PLANS FOR THE CONSTRUCTION OF

PARK AND STREETSCAPE IMPROVEMENTS

VITRUVIAN PARK

FOR

VITRUVIAN PARK PUBLIC INFRASTRUCTURE-PHASE 1C

TOWN OF ADDISON, TEXAS

PUBLIC WORKS # 2009-04

Addison!®

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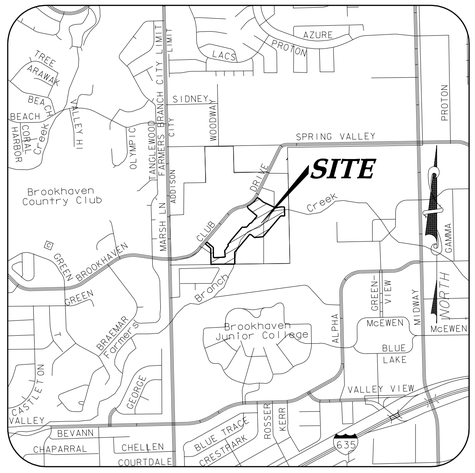

VICINITY MAP

NOT TO SCALE
(MAPSCO GRID 13 & 14)

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APRIL 26, 2010

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ICON PROJECT #5029-01

RECORD DRAWINGS 06/18/12

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PARK AND STREETSCAPE IMPROVEMENTS - VITRUVIAN PARK

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NO.	REVISION	BY	DATE

Addison! TOWN OF ADDISON
DALLAS COUNTY, TEXAS

PARK AND STREETSCAPE IMPROVEMENTS
VITRUVIAN PARK

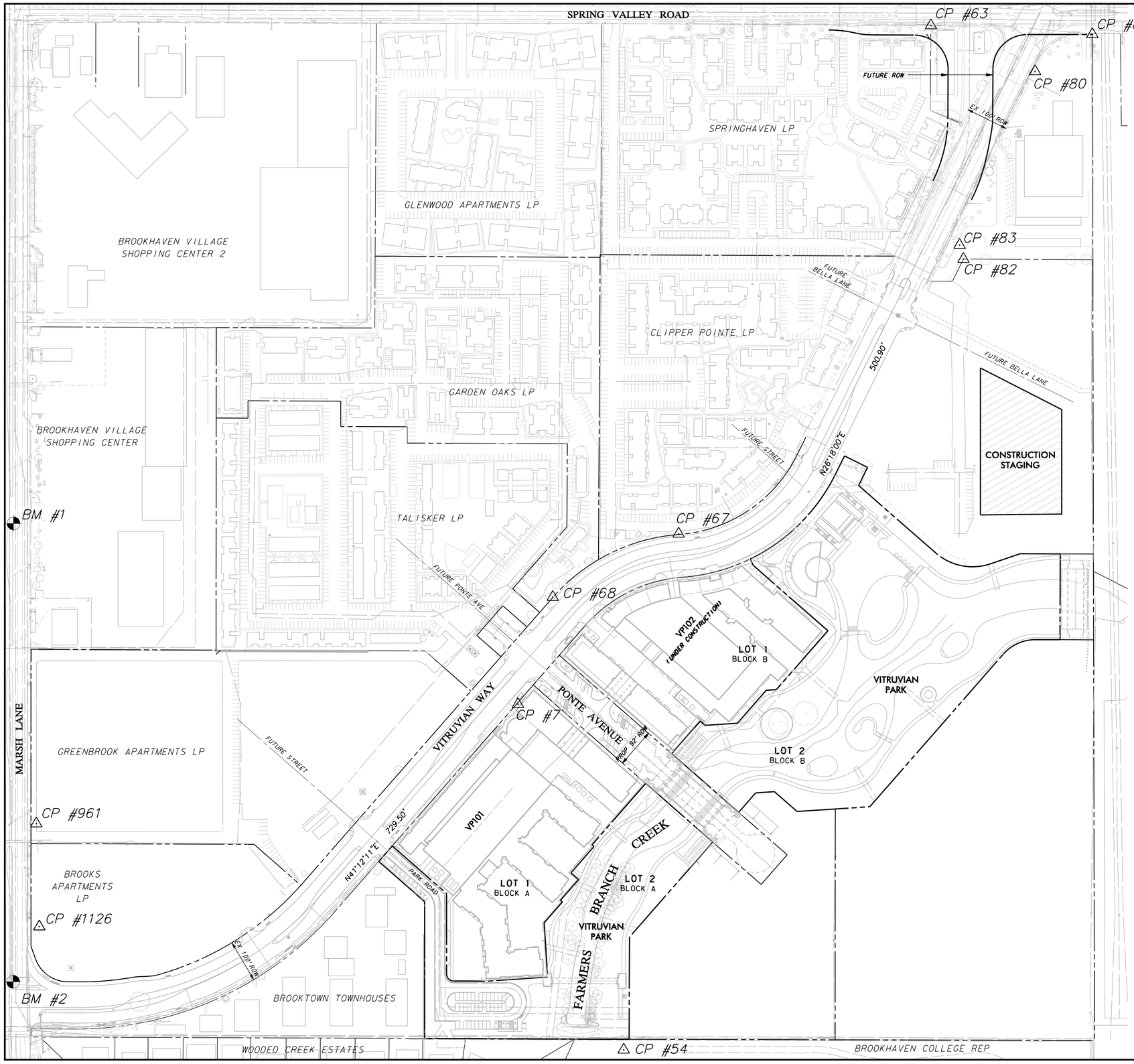
INDEX OF DRAWINGS

icon Consulting Engineers, Inc.
Civil Engineers - Designers - Planners
250 W. Southlake Blvd., Suite 117
Southlake, Tx 76092 (817) 552-6210

PROJECT	DESIGN	DRAWN	DATE	FILE	SHEET
5029-01	ICE	ICE	APR 26, 2010	PW# 2009-04	ID

RECORD DRAWINGS

PARK AND STREETSCAPE IMPROVEMENTS – VITRUVIAN PARK



CP #7	CP #67	CP #81	CP #961
CPIR 5/8"YC2509	IRF 1/2"	IRF 1/2" HZ	TP/6D SET
N 8354.44	N 8751.47	N 9915.07	N 8076.39
E 11036.81	E 11411.24	E 12375.13	E 9914.62
ELEV 564.75	ELEV 570.89	ELEV 584.42	ELEV

CP #54	CP #68	CP #82	CP #1126
CPIR 5/8"YC # 2509J	IRF 1/2" BENT	IRF 1/2"	TP/PK SET
N 7549.40	N 8604.13	N 9391.52	N 7836.48
E 11283.24	E 11117.93	E 12074.82	E 9921.51
ELEV 549.86	ELEV 569.99	ELEV 573.99	ELEV 547.9

CP #63	CP #80	CP #83
IRF 3/8"	IRF 1/2"	CPPK J
N 9935.76	N 9828.79	N 8424.30
E 11998.95	E 12241.73	E 12065.87
ELEV 583.02	ELEV 582.65	ELEV 573.53

BM #1 REF. ELEVATION = 559.47
SQUARE CUT IN TOP OF CURB, SOUTH MEDIAN END NOSE, MARSH LANE
1127' NORTH OF VITRUVIAN WAY.

BM #2 REF. ELEVATION = 547.84
SQUARE CUT IN TOP OF CURB, NORTH MEDIAN END NOSE, AT INTERSECTION OF VITRUVIAN WAY AND MARSH LANE.

STATE OF TEXAS
BRUCE F. DUNNE
62654
LICENSED PROFESSIONAL ENGINEER

NO.	REVISION	BY	DATE

NORTH
0 60 120 180 240
GRAPHIC SCALE IN FEET
SCALE: 1"=120'

Addison TOWN OF ADDISON
DALLAS COUNTY, TEXAS

PARK AND STREETSCAPE IMPROVEMENTS
VITRUVIAN PARK

OVERALL PLAN & PROJECT CONTROL

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PROJECT	DESIGN	DRAWN	DATE	FILE	SHEET
5029-01	ICE	ICE	APR 26, 2010	PW# 2009-04	C001

PARK AND STREETSCAPE IMPROVEMENTS - VITRUVIAN PARK

RECORD DRAWINGS 06/18/12

GENERAL CONSTRUCTION NOTES

1. STANDARDS AND SPECIFICATIONS: ALL MATERIALS, CONSTRUCTION METHODS, WORKMANSHIP, EQUIPMENT, SERVICES AND TESTING FOR ALL PUBLIC IMPROVEMENTS SHALL BE IN ACCORDANCE WITH THE GOVERNING AUTHORITIES' ORDINANCES, REGULATIONS, REQUIREMENTS, STATUTES, SPECIFICATIONS AND DETAILS, LATEST PRINTING AND AMENDMENTS THERETO. THE GOVERNING AUTHORITIES' PUBLIC WORKS AND WATER DEPARTMENT REQUIREMENTS, PLUMBING CODES, AND FIRE DEPARTMENT REGULATIONS SHALL TAKE PRECEDENT FOR ALL PUBLIC IMPROVEMENTS WHERE APPLICABLE. ALL OTHER PUBLIC CONSTRUCTION, NOT REGULATED BY THE GOVERNING AUTHORITY, SHALL BE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, NORTH CENTRAL TEXAS – NORTH CENTRAL TEXAS COUNCIL OF GOVERNMENTS, LATEST PRINTING AND AMENDMENTS THERETO, EXCEPT AS MODIFIED OR AMENDED BY THE PROJECT CONTRACT DOCUMENTS.

2. EXAMINATION OF SITE: THE CONTRACTOR ACKNOWLEDGES THAT HE HAS INVESTIGATED AND SATISFIED HIMSELF AS TO THE CONDITIONS AFFECTING THE WORK, INCLUDING BUT NOT RESTRICTED TO THOSE BEARING UPON TRANSPORTATION, DISPOSAL, HANDLING AND STORAGE OF MATERIALS, AVAILABILITY OF LABOR, WATER, ELECTRIC POWER, ROADS AND UNCERTAINTIES OF WEATHER, OR SIMILAR PHYSICAL CONDITIONS AT THE SITE, CONDITIONS OF THE GROUND, THE CHARACTER OF EQUIPMENT AND FACILITIES NEEDED PRELIMINARY TO AND DURING PERFORMANCE OF THE WORK. THE CONTRACTOR ACKNOWLEDGES THAT HE HAS INSPECTED THE SITE OF THE WORK AND IS FAMILIAR WITH THE SOIL CONDITIONS TO BE ENCOUNTERED. ANY FAILURE BY THE CONTRACTOR TO ACQUAINT HIMSELF WITH THE AVAILABLE INFORMATION WILL NOT RELIEVE HIM FROM RESPONSIBILITY FOR ESTIMATING PROPERLY THE DIFFICULTY OR COST OF SUCCESSFULLY PERFORMING THE WORK. THE TOWN OF ADDISON ASSUMES NO RESPONSIBILITY FOR ANY CONCLUSIONS OR INTERPRETATIONS MADE BY THE CONTRACTOR ON THE BASIS OF THE INFORMATION MADE AVAILABLE BY THE TOWN OF ADDISON.

3. SUBSURFACE INVESTIGATION: SUBSURFACE EXPLORATION TO ASCERTAIN THE NATURE OF SOILS, INCLUDING THE AMOUNT OF ROCK, IF ANY, IS THE RESPONSIBILITY OF THE CONTRACTOR. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO MAKE SUCH SUBSURFACE INVESTIGATIONS AS HE DEEMS NECESSARY TO DETERMINE THE NATURE OF THE MATERIAL TO BE ENCOUNTERED. SOME SUBSURFACE EXPLORATION HAS BEEN PERFORMED BY THE GEOTECHNICAL ENGINEER OF RECORD ON THE PROJECT AND IS PROVIDED FOR INFORMATIONAL PURPOSES. THE TOWN OF ADDISON AND ENGINEER DISCLAIM ANY RESPONSIBILITY FOR THE ACCURACY, TRUE LOCATION AND EXTENT OF THE SOILS INFORMATION THAT HAS BEEN PREPARED BY OTHERS. THEY FURTHER DISCLAIM RESPONSIBILITY FOR INTERPRETATION OF THAT DATA BY THE CONTRACTOR, AS IN PROJECTING SOIL BEARING VALUES, ROCK PROFILES, SOILS STABILITY AND THE PRESENCE, LEVEL AND EXTENT OF UNDERGROUND WATER.

4. TOPOGRAPHIC SURVEY: TOPOGRAPHIC SURVEY INFORMATION SHOWN ON THE PLANS IS PROVIDED FOR INFORMATIONAL PURPOSES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THAT THE INFORMATION SHOWN IS CORRECT, AND SHALL NOTIFY THE ENGINEER IMMEDIATELY OF ANY ERRORS, DISCREPANCIES OR OMISSIONS TO THE SURVEY INFORMATION PROVIDED. ANY COSTS INCURRED AS THE RESULT OF NOT CONFIRMING THE ACTUAL SURVEY SHALL BE BORNE BY THE CONTRACTOR.

5. COMPLIANCE WITH LAWS: THE CONTRACTOR SHALL FULLY COMPLY WITH ALL LOCAL, STATE AND FEDERAL LAWS, INCLUDING ALL CODES, ORDINANCES AND REGULATIONS APPLICABLE TO THIS CONTRACT AND THE WORK TO BE DONE THEREUNDER, WHICH EXIST OR MAY BE ENACTED LATER BY GOVERNMENTAL BODIES HAVING JURISDICTION OR AUTHORITY FOR SUCH ENACTMENT. ALL WORK REQUIRED UNDER THIS CONTRACT SHALL COMPLY WITH ALL REQUIREMENTS OF ANY VARIANCE, REGULATION, PERMIT OR LICENSE. IF THE CONTRACTOR FINDS THAT THERE IS A VARIANCE, HE SHALL IMMEDIATELY REPORT THIS TO THE TOWN OF ADDISON FOR RESOLUTION.

6. PUBLIC CONVENIENCE AND SAFETY: IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, THE CONTRACTOR SHALL BE SOLELY AND COMPLETELY RESPONSIBLE FOR CONDITIONS OF THE JOB SITE, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY DURING PERFORMANCE OF THE WORK. THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS.

MATERIALS STORED ON THE WORK SITE SHALL BE SO PLACED, AND THE WORK SHALL AT ALL TIMES BE SO CONDUCTED, AS TO CAUSE NO GREATER OBSTRUCTION TO THE TRAVELING PUBLIC THAN IS CONSIDERED ACCEPTABLE BY THE GOVERNING AUTHORITIES. THE MATERIALS EXCAVATED SHALL BE PLACED SO AS NOT TO ENDANGER THE WORK OR PREVENT FREE ACCESS TO ALL FIRE HYDRANTS, WATER VALVES, GAS VALVES, MANHOLES, AND FIRE ALARM OR POLICE CALL BOXES IN THE VICINITY.

THE TOWN OF ADDISON RESERVES THE RIGHT TO REMEDY ANY NEGLECT ON THE PART OF THE CONTRACTOR WITH REGARDS TO THE PUBLIC CONVENIENCE AND SAFETY WHICH MAY COME TO THE TOWN OF ADDISON'S ATTENTION, AFTER 24 HOURS NOTICE IN WRITING TO THE CONTRACTOR, SAVE IN CASES OF EMERGENCY, WHEN THE TOWN OF ADDISON SHALL HAVE THE RIGHT TO REMEDY ANY NEGLECT WITHOUT NOTICE; AND, IN EITHER CASE, THE COST OF SUCH WORK DONE BY THE TOWN OF ADDISON SHALL BE DEDUCTED FROM THE MONIES DUE OR TO BECOME DUE THE CONTRACTOR. THE CONTRACTOR SHALL NOTIFY THE TOWN OF ADDISON AND THE GOVERNING AUTHORITIES WHEN ANY STREET IS TO BE CLOSED OR OBSTRUCTED; SUCH NOTICE SHALL IN THE CASE OF MAJOR THOROUGHFARES OR STREETS UPON WHICH TRANSIT BY THE GOVERNING AUTHORITIES, KEEP ANY STREET OR STREETS IN CONDITION FOR UNOBSTRUCTED USE BY EMERGENCY SERVICES. WHERE THE CONTRACTOR IS REQUIRED TO CONSTRUCT TEMPORARY BRIDGES OR TO MAKE OTHER ARRANGEMENTS FOR CROSSING OVER DITCHES OR STREAMS, HIS RESPONSIBILITY FOR ACCIDENTS SHALL INCLUDE THE ROADWAY APPROACHES AS WELL AS THE STRUCTURES OF SUCH CROSSINGS.

7. STORM WATER POLLUTION PREVENTION PLAN (SWP3): THE CONTRACTOR SHALL COMPLY WITH THE CONDITIONS OF THE SWP3 WHILE CONDUCTING HIS ACTIVITIES ON THE PROJECT. IN ADDITION TO CONSTRUCTING THOSE ITEMS INDICATED ON THE PLAN SHEETS, COMPLIANCE WITH THE SWP3 INCLUDES CONFORMANCE TO CERTAIN PRACTICES AND PROCEDURES (IDENTIFIED IN THE SWP3) DURING PROJECT CONSTRUCTION.

8. PERMITS AND LICENSES: THE CONTRACTOR SHALL SECURE AND PAY FOR ALL PERMITS AND LICENSES NECESSARY FOR THE EXECUTION OF THE WORK AND SHALL FULLY COMPLY WITH ALL THEIR TERMS AND CONDITIONS. WHENEVER THE WORK UNDER THIS CONTRACT REQUIRES THE OBTAINING OF PERMITS FROM THE GOVERNING AUTHORITIES, THE CONTRACTOR SHALL FURNISH DUPLICATE COPIES OF SUCH PERMITS TO THE ENGINEER BEFORE THE WORK COVERED THEREBY IS STARTED. NO WORK WILL BE ALLOWED TO PROCEED BEFORE SUCH PERMITS ARE OBTAINED.

9. BONDS: PERFORMANCE, PAYMENT AND MAINTENANCE BONDS WILL BE REQUIRED FROM THE CONTRACTOR FOR ALL WORK CONSIDERED TO BE "PUBLIC" IMPROVEMENTS. BONDS SHALL BE IN THE FORM AND IN THE AMOUNTS AS REQUIRED BY THE GOVERNING AUTHORITIES.

10. VENDOR'S CERTIFICATION: ALL MATERIALS USED IN CONSTRUCTION SHALL HAVE A VENDOR'S CERTIFIED TEST REPORT. TEST REPORTS SHALL BE DELIVERED TO THE ENGINEER BEFORE PERMISSION WILL BE GRANTED FOR USE OF THE MATERIAL. ALL VENDOR'S TEST REPORTS SHALL BE SUBJECT TO REVIEW BY THE ENGINEER, AND SHALL BE SUBJECT TO VERIFICATION BY TESTING OF SAMPLES OF MATERIALS AS RECEIVED FOR USE ON THE PROJECT. IN THE EVENT ADDITIONAL TESTS ARE REQUIRED, THEY SHALL BE PERFORMED BY AN APPROVED INDEPENDENT TESTING LABORATORY AND SHALL BE PAID FOR BY THE CONTRACTOR.

11. TESTING: THE TESTING AND CONTROL OF ALL MATERIALS USED IN THE WORK SHALL BE DONE BY AN INDEPENDENT TESTING LABORATORY, EMPLOYED AND PAID DIRECTLY BY THE TOWN OF ADDISON. IN THE EVENT THE RESULTS OF INITIAL TESTING DO NOT COMPLY WITH THE PLANS AND SPECIFICATIONS, SUBSEQUENT TESTS NECESSARY TO DETERMINE THE ACCEPTABILITY OF MATERIALS OR CONSTRUCTION SHALL BE FURNISHED AND PAID BY THE CONTRACTOR AS DIRECTED BY THE TOWN OF ADDISON. PAYMENT WILL BE MADE BY DEDUCTION FROM PAYMENT DUE THE CONTRACTOR.

12. INSPECTION: INSPECTION OF THE PROPOSED CONSTRUCTION WILL BE PROVIDED BY AND PAID FOR BY THE TOWN OF ADDISON. THE CONTRACTOR SHALL PROVIDE ASSISTANCE BY PROVIDING EXCAVATION, TRENCH SAFETY, OR OTHER WORK NECESSARY TO FACILITATE INSPECTION ACTIVITIES, AND SHALL GIVE SUFFICIENT NOTICE WELL IN ADVANCE OF PENDING CONSTRUCTION ACTIVITIES TO THE TOWN OF ADDISON FOR SCHEDULING OF INSPECTION SERVICES.

13. SHOP DRAWINGS: THE CONTRACTOR SHALL PROVIDE, REVIEW, APPROVE AND SUBMIT ALL SHOP DRAWINGS, PRODUCT DATA AND SAMPLES REQUIRED BY THE GOVERNING AUTHORITIES AND THE PROJECT CONTRACT DOCUMENTS IN ACCORDANCE WITH ITEM 1.28 OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, NORTH CENTRAL TEXAS COUNCIL OF GOVERNMENTS.

14. SURVEYING: ALL SURVEYING REQUIRED FOR CONSTRUCTION STAKING SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL EMPLOY A REGISTERED PROFESSIONAL LAND SURVEYOR TO PREFORM ALL SURVEY, LAYOUT AND MEASUREMENT WORK NECESSARY FOR THE COMPLETION OF THE PROJECT.

15. PROTECTION OF PROPERTY CORNERS AND BENCHMARKS: THE CONTRACTOR SHALL PROTECT ALL PROPERTY CORNER MARKERS AND BENCHMARKS, AND WHEN ANY SUCH MARKERS OR MONUMENTS ARE IN DANGER OF BEING DISTURBED, THEY SHALL BE PROPERLY REFERENCED AND IF DISTURBED SHALL BE RESET BY A REGISTERED PUBLIC SURVEYOR AT THE EXPENSE OF THE CONTRACTOR.

16. EXISTING STRUCTURES: THE PLANS SHOW THE LOCATION OF ALL KNOWN SURFACE AND SUBSURFACE STRUCTURES, HOWEVER, THE TOWN OF ADDISON AND ENGINEER ASSUME NO RESPONSIBILITY FOR FAILURE TO SHOW ANY OR ALL OF THESE STRUCTURES ON THE PLANS, OR TO SHOW THEM IN THEIR EXACT LOCATION. SUCH FAILURE SHALL NOT BE CONSIDERED SUFFICIENT BASIS FOR CLAIMS FOR ADDITIONAL COMPENSATION FOR EXTRA WORK OR FOR INCREASING THE PAY QUANTITIES IN ANY MANNER WHATSOEVER, UNLESS THE OBSTRUCTION ENCOUNTERED IS SUCH AS TO REQUIRE CHANGES IN THE LINES OR GRADES, OR REQUIRE THE CONSTRUCTION OF SPECIAL WORK, FOR WHICH PROVISIONS ARE NOT MADE IN THE PLANS.

17. PROTECTION OF EXISTING UTILITIES: AS REQUIRED BY "THE TEXAS UNDERGROUND FACILITY DAMAGE PREVENTION AND SAFETY ACT", TEXAS ONE CALL SYSTEM MUST BE CONTACTED (800-245-4545) AT LEAST 48 HOURS PRIOR TO ANY EXCAVATION OPERATIONS BEING PERFORMED. IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONTACT TEXAS ONE CALL SYSTEM.

THE LOCATION AND DIMENSIONS SHOWN ON THE PLANS RELATIVE TO EXISTING UTILITIES ARE BASED ON THE BEST RECORDS AND/OR FIELD INFORMATION AVAILABLE AND ARE NOT GUARANTEED BY THE TOWN OF ADDISON OR ENGINEER TO BE ACCURATE AS TO LOCATION AND DEPTH. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY LOCATIONS OF ADJACENT AND/OR CONFLICTING UTILITIES SUFFICIENTLY IN ADVANCE OF HIS ACTIVITIES IN ORDER THAT HE MAY NEGOTIATE SUCH LOCAL ADJUSTMENTS AS NECESSARY IN THE CONSTRUCTION PROCESS TO PROVIDE ADEQUATE CLEARANCES.

THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS IN ORDER TO PROTECT ALL EXISTING UTILITIES, SERVICES AND STRUCTURES ENCOUNTERED, WHETHER OR NOT THEY ARE INDICATED ON THE PLANS. ANY DAMAGE TO UTILITIES RESULTING FROM THE CONTRACTOR'S OPERATIONS SHALL BE RESTORED AT HIS EXPENSE. TO AVOID UNNECESSARY INTERFERENCE'S OR DELAYS, THE CONTRACTOR SHALL COORDINATE ALL UTILITY REMOVALS, REPLACEMENTS AND CONSTRUCTION WITH THE APPROPRIATE GOVERNING AUTHORITIES, THEN REQUEST WRITTEN AUTHORIZATION FROM THE ENGINEER. THE TOWN OF ADDISON WILL NOT BE LIABLE FOR DAMAGES DUE TO DELAY AS A RESULT OF THE ABOVE.

18. DAMAGE TO EXISTING FACILITIES: ALL UTILITIES, PAVEMENT, SIDEWALKS, WALLS, FENCES, ETC. NOT DESIGNATED TO BE REMOVED BUT THAT ARE DAMAGED DURING CONSTRUCTION ACTIVITIES SHALL BE REPLACED TO A CONDITION AS GOOD AS OR BETTER THAN THE CONDITIONS PRIOR TO STARTING THE WORK, SOLELY AT THE EXPENSE OF THE CONTRACTOR.

19. FIRE AND LIFE SAFETY SYSTEMS: CONTRACTOR SHALL NOT REMOVE, DISABLE OR DISRUPT EXISTING FIRE OR LIFE SAFETY SYSTEMS WITHOUT WRITTEN PERMISSION FROM THE GOVERNING AUTHORITY.

20. TRENCH SAFETY: IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE AND MAINTAIN A VIABLE TRENCH SAFETY SYSTEM AT ALL TIMES DURING CONSTRUCTION ACTIVITIES. THE CONTRACTOR IS DIRECTED TO BECOME KNOWLEDGEABLE AND FAMILIAR WITH THE STANDARDS AS SET BY THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) AND THE STATE OF TEXAS LAW CONCERNING TRENCHING AND SHORING. THE CONTRACTOR SHALL PROVIDE TRENCH SAFETY SYSTEM PLANS, PREPARED AND SEALED BY A PROFESSIONAL ENGINEER, LICENSED IN THE STATE OF TEXAS, FOR THE IMPLEMENTATION OF SAFETY CONTROL MEASURES, MEETING THE REQUIREMENTS OF THE GOVERNING AUTHORITIES, THAT WILL BE IN EFFECT DURING THE PERIOD OF CONSTRUCTION OF THE PROJECT.

21. SAFETY RESTRICTIONS – WORK NEAR HIGH VOLTAGE LINES: THE FOLLOWING PROCEDURES WILL BE FOLLOWED REGARDING THE SUBJECT ITEM ON THIS CONTRACT:

A. A WARNING SIGN NOT LESS THAN FIVE INCHES BY SEVEN INCHES PAINTED YELLOW WITH BLACK LETTERS THAT ARE LEGIBLE AT 12 FEET SHALL BE PLACED INSIDE AND OUTSIDE VEHICLES SUCH AS CRANES, DERRICKS, POWER SHOVELS, DRILLING RIGS, PILE DRIVER, HOISTING EQUIPMENT OR SIMILAR APPARATUS. THE WARNING SIGN SHALL READ AS FOLLOWS: "WARNING – UNLAWFUL TO OPERATE THIS EQUIPMENT WITHIN SIX FEET OF HIGH VOLTAGE LINES."

B. EQUIPMENT THAT MAY BE OPERATED WITHIN TEN FEET OF HIGH VOLTAGE LINES SHALL HAVE AN INSULATING CAGE–TYPE OF GUARD ABOUT THE BOOM OR ARM, EXCEPT BACKHOES OR DIPPERS, AND INSULATOR LINKS ON THE LIFT HOOK CONNECTIONS.

C. WHEN NECESSARY TO WORK WITHIN SIX FEET OF HIGH VOLTAGE ELECTRIC LINES, NOTIFY THE POWER COMPANY WHO WILL ERECT TEMPORARY MECHANICAL BARRIERS, DE–ENERGIZE THE LINE OR RAISE OR LOWER THE LINE. THE WORK DONE BY THE POWER COMPANY SHALL BE AT THE EXPENSE OF THE CONTRACTOR. THE NOTIFYING DEPARTMENT SHALL MAINTAIN AN ACCURATE LOG OF ALL SUCH CALLS TO THE POWER COMPANY AND SHALL RECORD ACTION TAKEN IN EACH CASE.

D. THE CONTRACTOR IS REQUIRED TO MAKE ARRANGEMENTS WITH THE POWER COMPANY FOR THE TEMPORARY RELOCATION OR RAISING OF HIGH VOLTAGE LINES AT THE CONTRACTOR'S SOLE COST AND EXPENSE.

E. NO PERSON SHALL WORK WITHIN SIX FEET OF A HIGH VOLTAGE LINE WITHOUT PROTECTION HAVING BEEN TAKEN AS OUTLINED IN PARAGRAPH C. ABOVE.

22. TRAFFIC CONTROL: IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO DEVELOP AND SUBMIT FOR APPROVAL BY THE GOVERNING AUTHORITIES, A TRAFFIC CONTROL PLAN, PREPARED AND SEALED BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF TEXAS, OUTLINING TRAFFIC MANAGEMENT PROCEDURES TO BE PROVIDED DURING CONSTRUCTION. TRAFFIC CONTROL MEASURES SHALL BE PROVIDED IN ACCORDANCE WITH THE FOLLOWING ADDITIONAL REQUIREMENTS:

A. CONSTRUCTION OF SIGNING AND BARRICADES SHALL CONFORM WITH THE "2003 TEXAS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES", AS CURRENTLY AMENDED, TEXAS DEPARTMENT OF HIGHWAYS AND PUBLIC TRANSPORTATION.

B. THE CONTRACTOR SHALL BE REQUIRED TO FURNISH BARRICADES, FLARES, FLAGMEN, ETC., FOR THE PROTECTION OF THE PUBLIC, EMPLOYEES AND THE WORK.

C. THE CONTRACTOR SHALL PERFORM HIS WORK IN SUCH A MANNER AS TO CREATE A MINIMUM OF INTERRUPTION TO TRAFFIC ALONG ADJACENT ROADWAYS. TWO WAY TRAFFIC MUST BE MAINTAINED ON ALL ROADWAYS AT ALL TIMES THROUGHOUT CONSTRUCTION UNLESS WRITTEN PERMISSION IS GRANTED BY THE GOVERNING AUTHORITIES.

D. ALL SIGNAGE, MARKINGS, LIGHTING, BARRICADES, FLAGMEN AND OTHER DEVICES AND PERSONNEL REQUIRED FOR TRAFFIC CONTROL DURING CONSTRUCTION OF THE PROJECT WILL BE INCLUDED IN THE CONTRACT AMOUNT.

E. ALL TRAFFIC CONTROL DEVICES USED DURING NIGHTTIME SHALL BE REFLECTORIZED, ILLUMINATED FROM WITHIN OR EXTERNALLY ILLUMINATED.

F. THE CONTRACTOR SHALL NOT REMOVE ANY REGULATORY SIGN, INSTRUCTIONAL SIGN, WARNING SIGN, STREET NAME SIGN OR ANY SIGNAL, WHICH CURRENTLY EXISTS, WITHOUT THE CONSENT OF THE GOVERNING AUTHORITIES.

G. THE CONTRACTOR SHALL MAINTAIN AND REPLACE WHERE NECESSARY ALL SIGNS, LIGHTS, MARKINGS AND TEMPORARY PAVEMENT THROUGHOUT THE CONSTRUCTION PERIOD.

H. THE CONTRACTOR SHALL REMOVE ALL TRAFFIC CONTROL MEASURES AT THE END OF CONSTRUCTION AND RESTORE UNIMPROVED PAVEMENT AND OTHER DISTURBED AREAS TO THEIR ORIGINAL CONDITION.

23. ACCESS TO ADJACENT PROPERTIES: ACCESS TO ADJACENT PROPERTIES SHALL BE MAINTAINED AT ALL TIMES UNLESS OTHERWISE DIRECTED BY THE GOVERNING AUTHORITIES.

24. ACCESS ROUTES, STAGING AREAS AND STORAGE AREAS: ALL PRIVATE HAUL ROADS AND ACCESS ROUTES AND THE LOCATION OF ALL STAGING AREAS AND STORAGE AREAS SHALL BE SUBJECT TO THE APPROVAL OF THE TOWN OF ADDISON. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING AND REPAIRING ALL ROADS AND OTHER FACILITIES USED DURING CONSTRUCTION. UPON COMPLETION OF THE PROJECT, ALL HAUL ROADS, ACCESS ROADS, STAGING AREAS AND STORAGE AREAS SHALL BE RESTORED TO A CONDITION EQUAL TO OR BETTER THAN THAT AT THE TIME THE CONTRACTOR COMMENCES WORK ON THE PROJECT.

25. PARKING OF CONSTRUCTION EQUIPMENT: AT NIGHT AND DURING ALL OTHER PERIODS OF TIME WHEN EQUIPMENT IS NOT BEING ACTIVELY USED FOR THE CONSTRUCTION WORK, THE CONTRACTOR SHALL PARK THE EQUIPMENT AT LOCATIONS, WHICH ARE APPROVED BY THE TOWN OF ADDISON. DURING THE CONSTRUCTION OF THE PROJECT, THE CONTRACTOR SHALL COMPLY WITH THE PRESENT ZONING REQUIREMENTS OF THE GOVERNING AUTHORITIES IN THE USE OF VACANT PROPERTY FOR STORAGE PURPOSES. THE CONTRACTOR SHALL ALSO PROVIDE ADEQUATE BARRICADES, MARKERS AND SIGNS TO PROTECT THE PUBLIC AND ADVISE THE GOVERNING AUTHORITIES, THE PUBLIC AND THE OTHER WORK. ALL BARRICADES, LIGHTS, AND MARKERS MUST MEET THE REQUIREMENTS OF THE GOVERNING AUTHORITIES' REGULATIONS.

26. WATER FOR CONSTRUCTION: THE CONTRACTOR SHALL MAKE THE NECESSARY ARRANGEMENTS FOR PURCHASING WATER FROM THE GOVERNING AUTHORITY FOR HIS USE ON THE PROJECT SITE. COSTS ASSOCIATED WITH THIS SERVICE SHALL BE INCLUDED IN THE CONTRACT AMOUNT.

27. TEMPORARY ELECTRIC AND COMMUNICATIONS FOR CONSTRUCTION: THE CONTRACTOR SHALL MAKE THE NECESSARY ARRANGEMENTS FOR INSTALLATION AND PURCHASING OF TEMPORARY ELECTRIC AND COMMUNICATIONS SERVICES FROM THE GOVERNING AUTHORITIES FOR HIS USE ON THE PROJECT SITE. COSTS ASSOCIATED WITH THESE SERVICES SHALL BE INCLUDED IN THE CONTRACT AMOUNT.

28. FENCES: ALL FENCES ENCOUNTERED AND REMOVED DURING CONSTRUCTION, EXCEPT THOSE DESIGNATED TO BE REMOVED OR RELOCATED, SHALL BE RESTORED TO THE ORIGINAL OR BETTER THAN CONDITION UPON COMPLETION OF THE PROJECT. WHERE WIRE FENCING, EITHER WIRE MESH OR BARBED WIRE, IS TO BE CROSSED, THE CONTRACTOR SHALL SET CROSS–BRACED POSTS ON EITHER SIDE OF THE CROSSING. TEMPORARY FENCING SHALL BE ERECTED IN PLACE OF THE FENCING REMOVED WHENEVER THE WORK IS NOT IN PROGRESS, AND WHEN THE SITE IS VACATED OVERNIGHT AND/OR AT ALL TIMES TO PREVENT PERSONS AND/OR LIVESTOCK FROM ENTERING THE CONSTRUCTION AREA. THE COST OF FENCE REMOVAL, TEMPORARY CLOSURES AND REPLACEMENT SHALL BE INCLUDED IN THE CONTRACT.

29. DRAINAGE CHANNELS: WHERE EXISTING DRAINAGE CHANNELS ARE TEMPORARILY DISTURBED OR BLOCKED DURING CONSTRUCTION, IT SHALL BE RESTORED TO THE ORIGINAL CONDITION, GRADE AND CROSS SECTION AFTER CONSTRUCTION IS COMPLETED.

30. COORDINATION WITH OTHERS: IN THE EVENT THAT OTHER CONTRACTORS ARE DOING WORK IN THE SAME AREA SIMULTANEOUSLY WITH THE PROJECT, THE CONTRACTOR SHALL COORDINATE HIS PROPOSED CONSTRUCTION WITH THAT OF THE OTHER CONTRACTORS.

31. CONDITION OF SITE DURING CONSTRUCTION: DURING CONSTRUCTION OF THE WORK, THE CONTRACTOR SHALL, AT ALL TIMES, KEEP THE SITE OF THE WORK AND ADJACENT PREMISES AS FREE FROM MATERIAL, DEBRIS AND RUBBISH AS IS PRACTICABLE AND SHALL REMOVE SAME FROM ANY PORTION OF THE SITE IF, IN THE OPINION OF THE TOWN OF ADDISON, SUCH MATERIAL, DEBRIS OR RUBBISH CONSTITUTES A NUISANCE OR IS OBJECTIONABLE. IN CASE OF FAILURE ON THE PART OF THE CONTRACTOR UNDER HIS CONTRACT, OR WHERE SUFFICIENT CONTRACT FUNDS ARE UNAVAILABLE FOR THIS PURPOSE, THE CONTRACTOR OR HIS SURETY SHALL REIMBURSE THE TOWN OF ADDISON FOR ALL SUCH COSTS.

32. EXISTING ROADWAYS: THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THE CLEANLINESS OF EXISTING PAVED ROADS. ALL COSTS ASSOCIATED WITH MAINTAINING THE CLEANLINESS OF EXISTING ROADS SHALL BE INCLUDED IN THE CONTRACT AMOUNT.

33. DUST CONTROL: THE CONTRACTOR SHALL TAKE ALL PRECAUTIONS NECESSARY TO CONTROL DUST ON THE PROJECT SITE BY SPRINKLING OF WATER, OR ANY OTHER METHODS APPROVED BY THE GOVERNING AUTHORITIES, AND SHALL PROVIDE ALL EQUIPMENT AND PERSONNEL REQUIRED TO PREVENT DUST FROM BECOMING A NUISANCE TO THE ADJACENT PROPERTIES.

34. CLEAN–UP FOR FINAL ACCEPTANCE: THE CONTRACTOR SHALL MAKE A FINAL CLEAN UP OF ALL PARTS OF THE WORK BEFORE ACCEPTANCE BY THE TOWN OF ADDISON. THIS CLEAN UP SHALL INCLUDE REMOVAL OF ALL OBJECTIONABLE MATERIALS AND, IN GENERAL, PREPARING THE SITE OF THE WORK IN AN ORDERLY MANNER OF APPEARANCE.

35. REMOVAL OF DEFECTIVE AND UNAUTHORIZED WORK: ALL WORK WHICH HAS BEEN REJECTED OR CONDEMNED SHALL BE REPAIRED, OR IF IT CANNOT BE REPAIRED SATISFACTORILY, IT SHALL BE REMOVED AND REPLACED AT THE CONTRACTOR'S EXPENSE. DEFECTIVE MATERIALS SHALL BE IMMEDIATELY REMOVED FROM THE WORK SITE. WORK DONE BEYOND THE LINE OR NOT IN CONFORMITY WITH THE GRADES SHOWN ON THE DRAWINGS OR AS PROVIDED, WORK DONE WITHOUT REQUIRED INSPECTION, OR ANY EXTRA OR UNCLASSIFIED WORK DONE WITHOUT WRITTEN AUTHORITY AND PRIOR AGREEMENT IN WRITING AS TO PRICES, SHALL BE AT THE CONTRACTOR'S RISK, AND WILL BE CONSIDERED UNAUTHORIZED, AND AT THE OPTION OF THE TOWN OF ADDISON MAY NOT BE MEASURED AND PAID FOR AND MAY BE ORDERED REMOVED AT THE CONTRACTOR'S EXPENSE. UPON FAILURE OF THE CONTRACTOR TO REPAIR SATISFACTORILY OR TO REMOVE AND REPLACE, IF SO DIRECTED, REJECTED, UNAUTHORIZED OR CONDEMNED WORK OR MATERIALS IMMEDIATELY AFTER RECEIVING NOTICE FROM THE TOWN OF ADDISON, THE TOWN OF ADDISON WILL, AFTER GIVING WRITTEN NOTICE TO THE CONTRACTOR, HAVE THE AUTHORITY TO CAUSE DEFECTIVE WORK TO BE REMEDIED OR REMOVED AND REPLACED, OR TO CAUSE UNAUTHORIZED WORK TO BE REMOVED AND TO DEDUCT THE COST THEREOF FROM ANY MONIES DUE OR TO BECOME DUE THE CONTRACTOR.

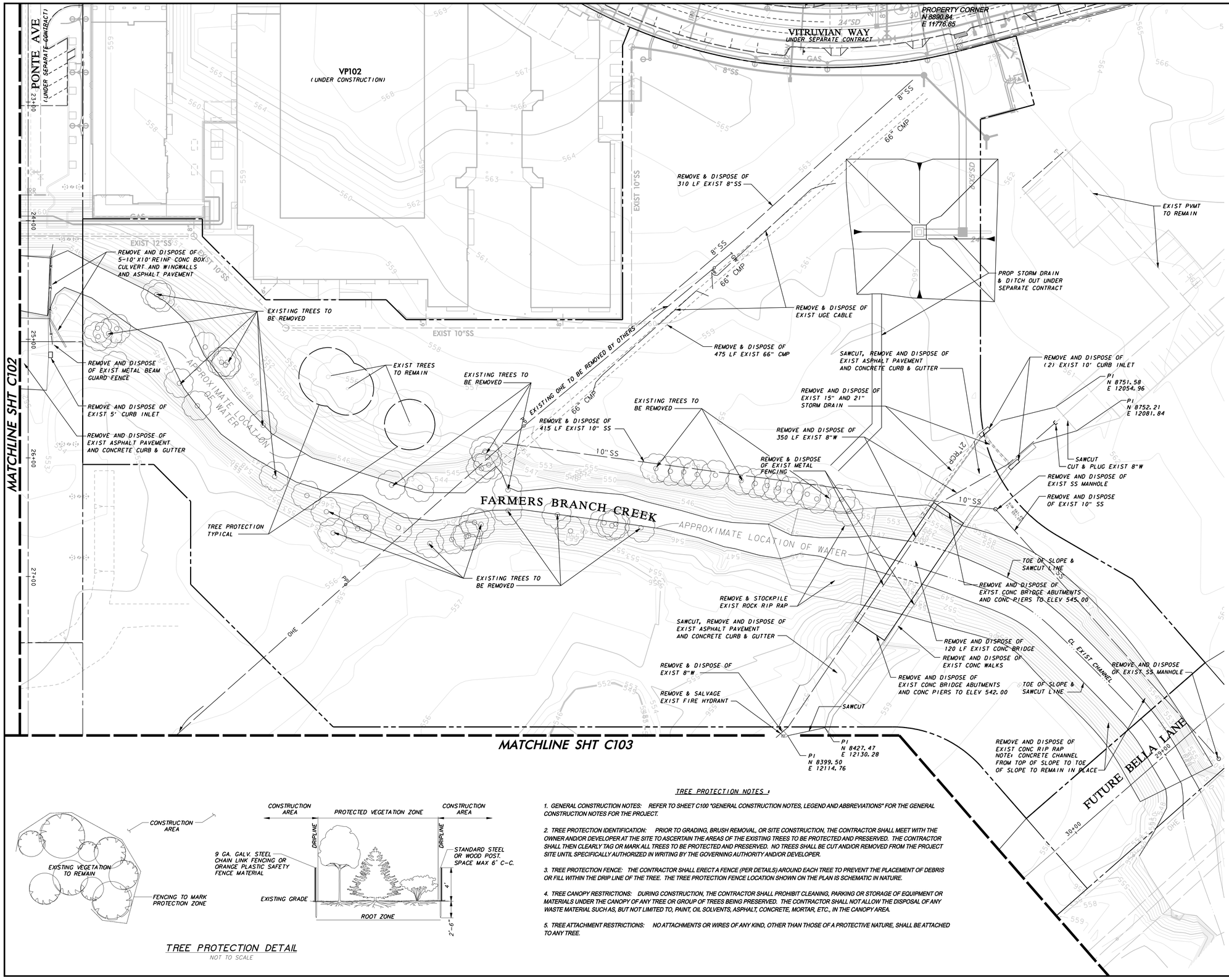
36. DISPOSITION AND DISPOSAL OF EXCESS AND UNSUITABLE MATERIALS: ALL MATERIALS TO BE REMOVED FROM THE SITE INCLUDING BUT NOT LIMITED TO EXCESS MATERIAL AND UNSUITABLE MATERIALS SUCH AS LARGE ROCKS, REFUSE, AND OTHER DEBRIS SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE DISPOSED OF OUTSIDE THE LIMITS OF THE PROJECT AT THE CONTRACTOR'S EXPENSE. CONTRACTOR SHALL ALSO COMPLY WITH ALL APPLICABLE LAWS GOVERNING SPILLAGE OF DEBRIS WHILE TRANSPORTING TO A DISPOSAL SITE.

37. SEEDING: THE CONTRACTOR SHALL PROVIDE SEEDING, WATERING, FERTILIZING AND REQUIRED MAINTENANCE FOR THE GRASSING OF ALL UNPAVED AREAS OF DEDICATED RIGHT–OF–WAY, EASEMENTS, AND ALL OTHER DISTURBED AREAS OF CONSTRUCTION FOR THE PROJECT. SEEDING SHALL ALSO BE PROVIDED IN CONFORMANCE WITH THE REQUIREMENTS OF THE PROJECT STORM WATER POLLUTION PREVENTION PLAN IN ORDER TO ESTABLISH A GRASS COVER ON DISTURBED AREAS SUBJECTED TO THE EROSION OF THE SOIL SURFACE.

38. RECORD DRAWINGS: THE CONTRACTOR SHALL MAINTAIN AN ACCURATE RECORD OF THE INSTALLATION OF ALL MATERIALS AND SYSTEMS COVERED BY THE PROJECT CONTRACT DOCUMENTS. THESE RECORD PRINTS WILL BE REVIEWED BY THE ENGINEER EACH MONTH PRIOR TO THE PRELIMINARY REVIEW OF CONTRACTOR'S REQUEST FOR PAYMENT. IF THE DRAWINGS ARE NOT COMPLETE, ACCURATE AND UP–TO DATE, THE ENGINEER WILL NOT ACCEPT THE PAYMENT REQUEST. THE COMPLETED SET OF "RECORD" DRAWINGS MUST BE DELIVERED TO THE ENGINEER BEFORE REQUESTING FINAL PAYMENT.

ABBREVIATIONS

APPROX	APPROXIMATELY
ASPH	ASPHALT
BC	BACK OF CURB
B–B	BACK TO BACK OF CURB
BM	BENCHMARK
BW	BOTTOM OF WALL
CATV	CABLE TV
CFS	CUBIC FEET PER SECOND
CI	CURB INLET
CMP	CORRUGATED METAL PIPE
CO	CLEANOUT
CONC	CONCRETE
CONST	CONSTRUCT
CL	CENTER LINE
DCO	DOUBLE CLEANOUT
DIA	DIAMETER
DIP	DUCTILE IRON PIPE
DW	DOMESTIC WATER
EL	ELEVATION
EMH	ELECTRIC MANHOLE
EP	EDGE OF PAVEMENT
EX	EXISTING
FC	FACE OF CURB
F–F	FACE TO FACE OF CURB
FFE	FINISHED FLOOR ELEVATION
FH	FIRE HYDRANT
FM	FORCE MAIN
FO	FIBER OPTICS
FP	FINISHED PAD
FPS	FEET PER SECOND
FL	FLOW LINE
FUT	FUTURE
FW	FIRE WATER
G	GAS
GI	GRATE INLET
GM	GAS METER
HDPE	HIGH DENSITY POLYETHYLENE PIPE
HDWL	HEADWALL
HMAC	HOT MIX ASPHALTIC CONCRETE
HORIZ	HORIZONTAL
HP	HIGH POINT
HVAC	HEATING, VENTILATION AND AIR CONDITIONING
IRR	IRRIGATION
JB	JUNCTION BOX
JT	J



DEMOLITION NOTES:

1. GENERAL CONSTRUCTION NOTES: REFER TO SHEET C100 "GENERAL CONSTRUCTION NOTES, LEGEND AND ABBREVIATIONS" FOR THE GENERAL CONSTRUCTION NOTES FOR THE PROJECT.

2. INGRESS AND EGRESS: THE CONTRACTOR SHALL MAINTAIN INGRESS AND EGRESS TO THE SITE AND ADJACENT PROPERTIES AT ALL TIMES AND CONDUCT HIS OPERATIONS WITH MINIMUM INTERFERENCE TO PUBLIC OR PRIVATE ACCESSES.

3. PROTECTION OF EXISTING FACILITIES: CONTRACTOR SHALL PROVIDE, ERECT, AND MAINTAIN TEMPORARY BARRIERS, FENCING, BRACING AND SHORING, AND SECURITY DEVICES TO PROTECT EXISTING STRUCTURES, UTILITIES, APPURTENANCES, TREES AND LANDSCAPING, AND TO PREVENT MOVEMENT OR SETTLEMENT OF EXISTING STRUCTURES WHICH ARE NOT TO BE DEMOLISHED AND/OR REMOVED.

4. STORAGE OF MATERIALS FOR RE-USE: CONTRACTOR SHALL REMOVE AND STORE ON SITE (WHERE DESIGNATED BY THE DEVELOPER), ALL MATERIALS (SUCH AS ASPHALT AND CONCRETE PAVEMENT & SUITABLE EARTHEN MATERIAL) TO BE SALVAGED OR RE-INSTALLED LATER IN CONSTRUCTION.

5. FRANCHISE UTILITY COORDINATION: THE CONTRACTOR SHALL NOTIFY AND COORDINATE WITH ALL FRANCHISE UTILITY COMPANIES FOR THE REMOVAL AND/ OR RELOCATION OF THE RESPECTIVE UTILITY LINES AND APPARATUSES USED BY EACH UTILITY. ALL WORK ASSOCIATED WITH FRANCHISE UTILITY REMOVAL RELOCATION AND/OR MODIFICATIONS ARE TO BE PERFORMED ONLY BY THAT UTILITY PROVIDER UNLESS SPECIFICALLY NOTED OTHERWISE.

6. TREE REMOVAL: THE TREES DESIGNATED TO BE REMOVED HAVE A LARGE "X" THROUGH THE TREE SYMBOL. STOCKPILING OF TREES AFTER CUTTING/REMOVAL IS NOT ALLOWED. CONTRACTOR SHALL DISPOSE OF TREE CARCASSES IMMEDIATELY AFTER THEY ARE TAKEN DOWN BY CHIPPING & SPREADING THE MULCH ON THE SITE AS DIRECTED BY THE ENGINEER.

7. SAWCUTTING OF EXISTING PAVEMENT: SAWCUTTING, WHERE INDICATED ON THE DRAWINGS FOR REMOVAL OF EXISTING PAVEMENT, SHALL BE A FULL DEPTH CUT THAT IS NEAT AND TRUE IN ALIGNMENT.

WARNING

CONTRACTOR IS TO CONTACT TEXAS ONE-CALL SYSTEM (1-800-245-4545) OR OTHER UTILITY LOCATING SERVICES AT LEAST 48 HOURS PRIOR TO CONSTRUCTION ACTIVITIES. ICON CONSULTING ENGINEERS, INC. IS NOT RESPONSIBLE FOR KNOWING ALL EXISTING UTILITIES IN THE PROJECT AREA NOR FOR DEPICTING THE EXACT LOCATIONS OF UTILITIES ON THESE DRAWINGS.

BM #1 REF. ELEVATION = 559.47
SQUARE CUT IN TOP OF CURB, SOUTH MEDIAN END NOSE, MARSH LANE 1127' NORTH OF VITRUVIAN WAY.

BM #2 REF. ELEVATION = 547.84
SQUARE CUT IN TOP OF CURB, NORTH MEDIAN END NOSE, AT INTERSECTION OF VITRUVIAN WAY AND MARSH LANE.

TREE PROTECTION DETAIL
NOT TO SCALE

TREE PROTECTION NOTES :

1. GENERAL CONSTRUCTION NOTES: REFER TO SHEET C100 "GENERAL CONSTRUCTION NOTES, LEGEND AND ABBREVIATIONS" FOR THE GENERAL CONSTRUCTION NOTES FOR THE PROJECT.

2. TREE PROTECTION IDENTIFICATION: PRIOR TO GRADING, BRUSH REMOVAL, OR SITE CONSTRUCTION, THE CONTRACTOR SHALL MEET WITH THE OWNER AND/OR DEVELOPER AT THE SITE TO ASCERTAIN THE AREAS OF THE EXISTING TREES TO BE PROTECTED AND PRESERVED. THE CONTRACTOR SHALL THEN CLEARLY TAG OR MARK ALL TREES TO BE PROTECTED AND PRESERVED. NO TREES SHALL BE CUT AND/OR REMOVED FROM THE PROJECT SITE UNTIL SPECIFICALLY AUTHORIZED IN WRITING BY THE GOVERNING AUTHORITY AND/OR DEVELOPER.

3. TREE PROTECTION FENCE: THE CONTRACTOR SHALL ERECT A FENCE (PER DETAILS) AROUND EACH TREE TO PREVENT THE PLACEMENT OF DEBRIS OR FILL WITHIN THE DRIP LINE OF THE TREE. THE TREE PROTECTION FENCE LOCATION SHOWN ON THE PLAN IS SCHEMATIC IN NATURE.

4. TREE CANOPY RESTRICTIONS: DURING CONSTRUCTION, THE CONTRACTOR SHALL PROHIBIT CLEANING, PARKING OR STORAGE OF EQUIPMENT OR MATERIALS UNDER THE CANOPY OF ANY TREE OR GROUP OF TREES BEING PRESERVED. THE CONTRACTOR SHALL NOT ALLOW THE DISPOSAL OF ANY WASTE MATERIAL SUCH AS, BUT NOT LIMITED TO, PAINT, OIL SOLVENTS, ASPHALT, CONCRETE, MORTAR, ETC., IN THE CANOPY AREA.

5. TREE ATTACHMENT RESTRICTIONS: NO ATTACHMENTS OR WIRES OF ANY KIND, OTHER THAN THOSE OF A PROTECTIVE NATURE, SHALL BE ATTACHED TO ANY TREE.

STATE OF TEXAS
BRUCE F. DUNNE
62654
LICENSED PROFESSIONAL ENGINEER

NO.	REVISION	BY	DATE

Addison

TOWN OF ADDISON
DALLAS COUNTY, TEXAS

PARK AND STREETSCAPE IMPROVEMENTS
VITRUVIAN PARK

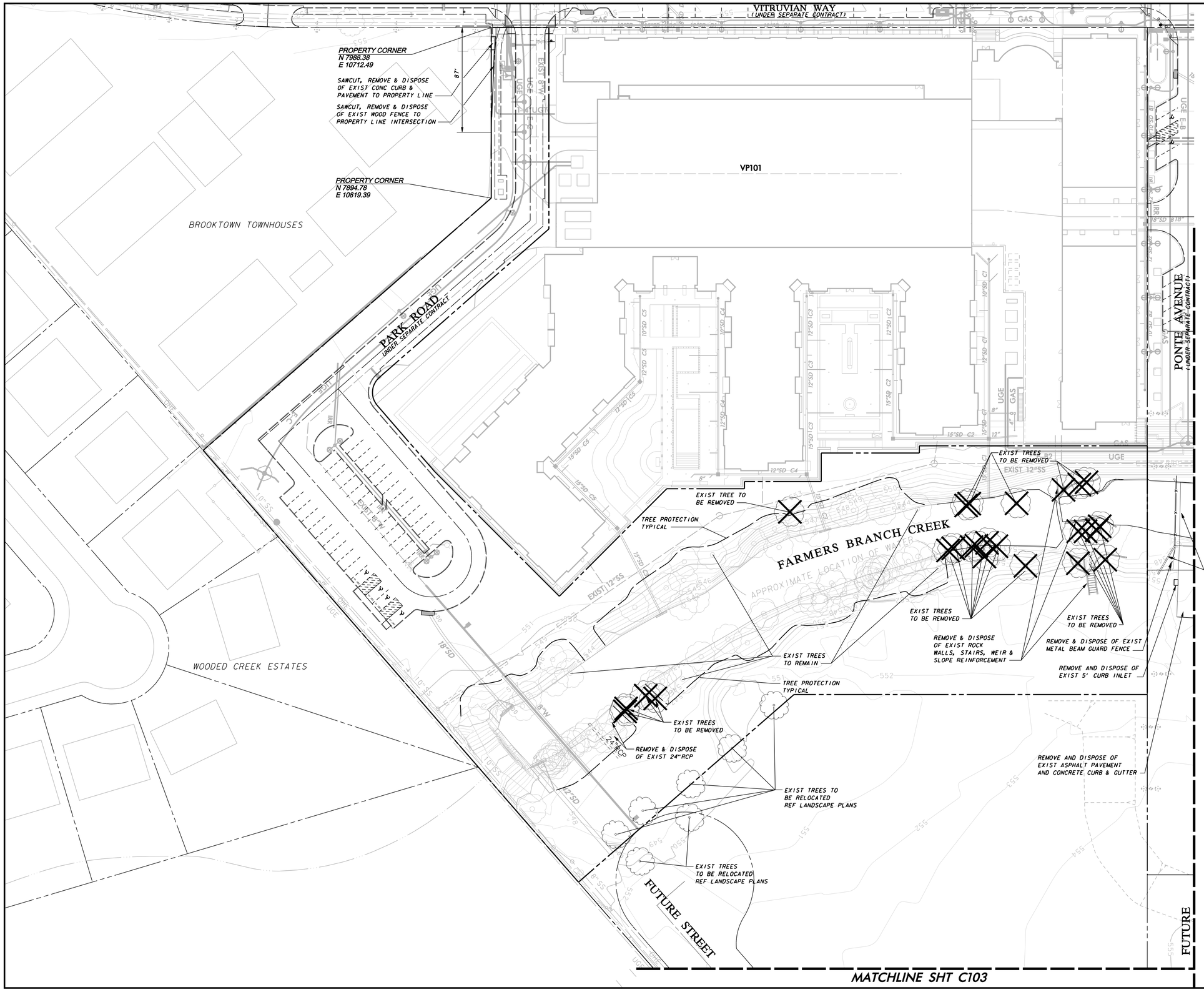
DEMOLITION PLAN NORTH

icon Consulting Engineers, Inc.
Civil Engineers - Designers - Planners
250 W. Southlake Blvd., Suite 117
Southlake, Tx 76092 (817) 552-6210

PROJECT	DESIGN	DRAWN	DATE	FILE	SHEET
5029-01	ICE	ICE	APR 26, 2010	PW# 2009-04	C101

PARK AND STREETSCAPE IMPROVEMENTS - VITRUVIAN PARK

RECORD DRAWINGS 06/18/12



DEMOLITION NOTES:

1. GENERAL CONSTRUCTION NOTES: REFER TO SHEET C100 "GENERAL CONSTRUCTION NOTES, LEGEND AND ABBREVIATIONS" FOR THE GENERAL CONSTRUCTION NOTES FOR THE PROJECT.

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7. SAWCUTTING OF EXISTING PAVEMENT: SAWCUTTING, WHERE INDICATED ON THE DRAWINGS FOR REMOVAL OF EXISTING PAVEMENT, SHALL BE A FULL DEPTH CUT THAT IS NEAT AND TRUE IN ALIGNMENT.

WARNING

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BM #1 REF. ELEVATION = 559.47
SQUARE CUT IN TOP OF CURB, SOUTH MEDIAN END NOSE, MARSH LANE
1127' NORTH OF VITRUVIAN WAY.

BM #2 REF. ELEVATION = 547.84
SQUARE CUT IN TOP OF CURB, NORTH MEDIAN END NOSE, AT INTERSECTION OF VITRUVIAN WAY AND MARSH LANE.

STATE OF TEXAS
BRUCE F. DUNNE
62654
LICENSED PROFESSIONAL ENGINEER

NO.	REVISION	BY	DATE

TOWN OF ADDISON
DALLAS COUNTY, TEXAS

PARK AND STREETSCAPE IMPROVEMENTS
VITRUVIAN PARK

DEMOLITION PLAN SOUTH

icon Consulting Engineers, Inc.
Civil Engineers - Designers - Planners
250 W. Southlake Blvd., Suite 117
Southlake, Tx 76092 (817) 552-6210

PROJECT	DESIGN	DRAWN	DATE	FILE	SHEET
5029-01	ICE	ICE	APR 26, 2010	PW# 2009-04	C102

PARK AND STREETSCAPE IMPROVEMENTS - VITRUVIAN PARK

RECORD DRAWINGS 06/18/12

MATCHLINE SHT C101

MATCHLINE SHT C101

FUTURE PONTE AVE

EXIST POWER POLE TO BE REMOVED BY OTHERS

EXIST OHE TO BE REMOVED BY OTHERS

EXIST OHE TO REMAIN

EXIST POWER POLE TO REMAIN

REMOVE AND DISPOSE OF EXIST 8"W

8"W

REMOVE AND DISPOSE OF EXIST ASPHALT PAVEMENT UNDER SEPARATE CONTRACT

REMOVE AND DISPOSE OF EXIST CONC CURB UNDER SEPARATE CONTRACT

6+00 7+00 8+00 9+00 10+00 31+00 32+00 33+00

OHE UGE

PROPERTY CORNER
N 7572.77
E 11776.02

PROPERTY CORNER
N 7571.07
E 12380.18

NORTH

0 20 40 60 80
GRAPHIC SCALE IN FEET
SCALE: 1"=40'

WARNING

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SQUARE CUT IN TOP OF CURB, SOUTH MEDIAN END NOSE, MARSH LANE
1127' NORTH OF VITRUVIAN WAY.

BM #2 REF. ELEVATION = 547.84
SQUARE CUT IN TOP OF CURB, NORTH MEDIAN END NOSE, AT INTERSECTION OF VITRUVIAN WAY AND MARSH LANE.

DEMOLITION NOTES:

1. GENERAL CONSTRUCTION NOTES: REFER TO SHEET C100 "GENERAL CONSTRUCTION NOTES, LEGEND AND ABBREVIATIONS" FOR THE GENERAL CONSTRUCTION NOTES FOR THE PROJECT.

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STATE OF TEXAS
BRUCE F. DUNNE
62654
LICENSED
PROFESSIONAL ENGINEER

NO.	REVISION	BY	DATE

Addison

TOWN OF ADDISON
DALLAS COUNTY, TEXAS

PARK AND STREETSCAPE IMPROVEMENTS
VITRUVIAN PARK

DEMOLITION PLAN EAST

icon Consulting Engineers, Inc.
Civil Engineers - Designers - Planners
250 W. Southlake Blvd., Suite 117
Southlake, Tx 76092 (817) 552-6210

PROJECT	DESIGN	DRAWN	DATE	FILE	SHEET
5029-01	ICE	ICE	APR 26, 2010	PW# 2009-04	C103

PARK AND STREETSCAPE IMPROVEMENTS - VITRUVIAN PARK

RECORD DRAWINGS 06/18/12

MATCHLINE SHT C202

VP102
(UNDER CONSTRUCTION)

VP102 CONSTRUCTION LIMITS TYPICAL

ISLAND 1

ISLAND 2

BELVEDERE

AMPHITHEATER

GROTTO

ESPLANADE

FARMERS BRANCH CREEK

VITRUVIAN WAY

CENTER OF PERFORMANCE LIGHTING FOUNDATION N 8610.07 E 11705.95

CENTER OF PERFORMANCE LIGHTING FOUNDATION N 8648.93 E 11673.67

CENTER OF PERFORMANCE LIGHTING FOUNDATION N 8699.23 E 11678.87

CENTER OF PERFORMANCE LIGHTING FOUNDATION N 8731.50 E 11717.18

RADIUS PT N 8668.46 E 11736.71

RADIUS PT N 8728.11 E 11889.83

CENTER OF IRRIGATION CONTROL - VP N 8871.60 E 11837.61

CENTER OF IRRIGATION CONTROL - VW N 8876.83 E 11840.19

CENTER OF TRANSFORMER PAD N 8901.67 E 11840.30

PROPERTY CORNER N 8678.15 E 11585.12

PROPERTY CORNER N 8692.87 E 11577.64

PROPERTY CORNER N 8890.84 E 11776.85

PROPERTY CORNER N 8932.98 E 11797.67

PROPERTY CORNER N 8525.77 E 11759.17

PROPERTY CORNER N 8470.88 E 12167.40

PROPERTY CORNER N 8505.01 E 12242.92

PROPERTY CORNER N 8504.85 E 12299.79

PROPERTY CORNER N 8681.64 E 12137.60

PROPERTY CORNER N 8705.11 E 12206.94

PROPERTY CORNER N 8702.60 E 12300.34

PROPERTY CORNER N 8706.97 E 12010.29

PROPERTY CORNER N 8864.26 E 11830.64

PROPERTY CORNER N 8906.39 E 11851.46

CURVE DATA
Δ=48° 57' 26"
R=100.00'
L= 85.45'

CURVE DATA
Δ=59° 54' 11"
R=130.00'
L=135.92'

CURVE DATA
Δ=37° 45' 24"
R=434.00'
L=285.99'

N41° 12' 11"E 182.53'

N48° 47' 49"W 231.33'

N26° 56' 02"W 16.51'

S41° 12' 11"W 471.68'

S48° 47' 49"E 238.78'

N89° 50' 23"W 56.87'

S00° 09' 37"W 200.00'

S89° 50' 23"E 93.41'

N71° 18' 00"E 73.20'

N63° 42' 00"W 60.00'

S26° 18' 00"W, 47.00'

N26° 18' 00"E 47.00'

LINE DATA		
L	BEARING	LENGTH
1	N41° 12' 56"E	63.98'
2	N48° 47' 04"W	11.07'
3	N48° 47' 04"W	11.07'
4	S41° 12' 56"W	17.75'
5	N48° 47' 49"W	56.32'
6	S41° 12' 07"W	4.66'
7	S48° 47' 33"E	84.43'
8	N48° 47' 16"W	44.52'
9		
10		
11	N89° 50' 23"W	58.37'
12	N48° 47' 49"W	14.59'
13		
14	S41° 12' 11"W	25.57'
15	N41° 12' 11"E	

CURVE DATA				RADIUS POINT		CURVE DATA				RADIUS POINT	
C	DELTA	RADIUS	LENGTH	NORTHING	EASTING	C	DELTA	RADIUS	LENGTH	NORTHING	EASTING
1	27° 00' 11"	278.24'	131.13'	11539.42	8632.06	29	63° 31' 35"	54.94'	60.92'	12152.84	8498.08
2	34° 37' 50"	362.81'	219.29'	11443.16	9522.12	30	46° 18' 24"	40.17'	32.47'	12057.99	8505.17
3	04° 45' 32"	329.96'	31.96'	11495.86	8659.94	31	42° 55' 42"	108.27'	82.12'	12014.76	8557.78
4	60° 36' 46"	10.00'	10.58'	11798.58	8505.25	32	93° 48' 19"	88.80'	145.38'	12002.68	8361.09
5	87° 14' 56"	10.00'	15.23'	11798.71	8534.16	33	11° 52' 06"	262.28'	54.33'	12127.19	8116.23
6	33° 53' 26"	60.00'	35.05'	11716.76	8519.10	34	07° 31' 45"	202.47'	26.61'	11877.11	8507.96
7	42° 43' 25"	329.96'	32.33'	11733.39	8519.49	35	03° 15' 13"	202.47'	11.52'	11877.11	8507.96
8	22° 21' 46"	193.89'	75.68'	11628.73	8411.28	36	20° 59' 19"	206.00'	75.46'	12176.35	8229.91
9	57° 38' 34"	85.09'	85.60'	11736.71	8668.46	37	22° 41' 03"	192.00'	76.02'	12001.17	8587.28
10	77° 40' 39"	18.00'	24.40'	11634.40	8655.83	38	48° 57' 26"	112.50'	96.13'	12242.64	8405.01
11	56° 20' 15"	14.52'	14.28'	11610.85	8690.67	39	05° 39' 03"	319.81'	31.54'	11474.02	8980.17
12	88° 18' 43"	8.52'	13.14'	11590.57	8679.72	40	90° 00' 00"	10.00'	15.71'	11985.82	8662.99
13	144° 39' 09"	8.50'	21.46'	11613.95	8692.37	41	8° 20' 58"	359.34'	52.37'	12300.81	8333.26
14	17° 40' 39"	18.00'	24.40'	11638.46	8699.64	42	176° 49' 57"	24.00'	74.07'	12062.44	8498.89
15	13° 35' 27"	85.09'	20.18'	11736.71	8668.46	43	30° 42' 30"	80.87'	43.34'	12098.84	8455.18
16	17° 28' 01"	130.53'	39.79'	11776.61	8646.64	44	116° 46' 49"	14.87'	30.30'	12036.97	8478.16
17	177° 38' 07"	5.11'	15.85'	11707.39	8769.06	45	30° 42' 30"	80.87'	43.34'	12027.04	8543.42
18	137° 01' 48"	3.00'	7.17'	11774.86	8554.90	46	108° 22' 41"	37.17'	70.30'	11868.10	8495.45
19	02° 33' 35"	961.88'	43.97'	10830.63	8448.23	47	49° 24' 35"	175.00'	150.91'	11796.78	8613.39
20	34° 26' 58"	213.79'	128.54'	11592.14	8518.99	48	152° 48' 10"	60.00'	160.01'	11910.22	8594.55
21	63° 10' 02"	37.46'	41.29'	11736.66	8668.52	49	49° 24' 35"	175.00'	150.91'	12002.52	8525.94
22	64° 21' 47"	97.41'	109.43'	12063.21	8698.29	50	87° 47' 13"	11.00'	16.85'	11846.04	8514.62
23	23° 18' 17"	451.45'	183.60'	12189.97	8633.66	51	115° 44' 00"	13.01'	26.27'	11869.97	8514.14
24	70° 09' 44"	108.00'	132.25'	12074.53	8742.16	52	86° 19' 29"	95.39'	143.72'	11842.01	8591.27
25	20° 46' 12"	359.34'	130.26'	12300.81	8333.26	53	58° 07' 14"	14.18'	14.38'	11945.84	8623.13
26	10° 00' 00"	162.31'	28.33'	12279.73	8484.23	54	24° 28' 28"	172.81'	73.82'	11613.40	8548.41
27	10° 00' 00"	93.51'	16.32'	12279.73	8484.23						
28	22° 20' 21"	388.65'	151.64'	12278.91	8189.09						

LAYOUT & DIMENSIONAL CONTROL NOTES

1. GENERAL CONSTRUCTION NOTES: REFER TO SHEET C100 "GENERAL CONSTRUCTION NOTES, LEGEND AND ABBREVIATIONS" FOR THE GENERAL CONSTRUCTION NOTES FOR THE PROJECT.

2. SURVEYING: ALL SURVEYING REQUIRED FOR CONSTRUCTION STAKING SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE DEVELOPER SHALL PROVIDE THE PROPERTY CORNERS AND TWO BENCHMARKS FOR USE AS HORIZONTAL AND VERTICAL DATUM. THE CONTRACTOR SHALL EMPLOY A REGISTERED PROFESSIONAL LAND SURVEYOR TO PERFORM ALL ADDITIONAL SURVEY, LAYOUT AND MEASUREMENT WORK NECESSARY FOR THE COMPLETION OF THE PROJECT.

3. PROTECTION OF PROPERTY CORNERS AND BENCHMARKS: THE CONTRACTOR SHALL PROTECT ALL PROPERTY CORNER MARKERS AND BENCHMARKS, AND WHEN ANY SUCH MARKERS OR MONUMENTS ARE IN DANGER OF BEING DISTURBED, THEY SHALL BE PROPERLY REFERENCED AND IF DISTURBED, SHALL BE RESET BY A REGISTERED PUBLIC SURVEYOR AT THE EXPENSE OF THE CONTRACTOR.

4. DIMENSIONAL CONTROL: ALL PAVING DIMENSIONS AND COORDINATES SHOWN ARE TO EDGE OF PAVEMENT WHERE APPLICABLE. ALL WALL DIMENSIONS AND CONTROLS SHOWN ARE AT FACE OF WALL.

5. CURB RADII: ALL CURB RADII SHALL BE 3' UNLESS OTHERWISE NOTED.

6. BUILDING DIMENSIONS: CONTRACTOR SHALL REFER TO BUILDING PLANS FOR ACTUAL BUILDING DIMENSIONS. THE DIMENSIONS AND CORNERS SHOWN ARE TO FACE OF OUTSIDE WALLS OF BUILDING.

GRAPHIC SCALE IN FEET
SCALE: 1"=30'

WARNING

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BM #1 REF. ELEVATION = 559.47
SQUARE CUT IN TOP OF CURB, SOUTH MEDIAN END NOSE, MARSH LANE 1127' NORTH OF VITRUVIAN WAY.

BM #2 REF. ELEVATION = 547.84
SQUARE CUT IN TOP OF CURB, NORTH MEDIAN END NOSE, AT INTERSECTION OF VITRUVIAN WAY AND MARSH LANE.

STATE OF TEXAS
BRUCE F. DUNNE
62654
LICENSED PROFESSIONAL ENGINEER

NO.	REVISION	BY	DATE

TOWN OF ADDISON
DALLAS COUNTY, TEXAS

PARK AND STREETSCAPE IMPROVEMENTS
VITRUVIAN PARK

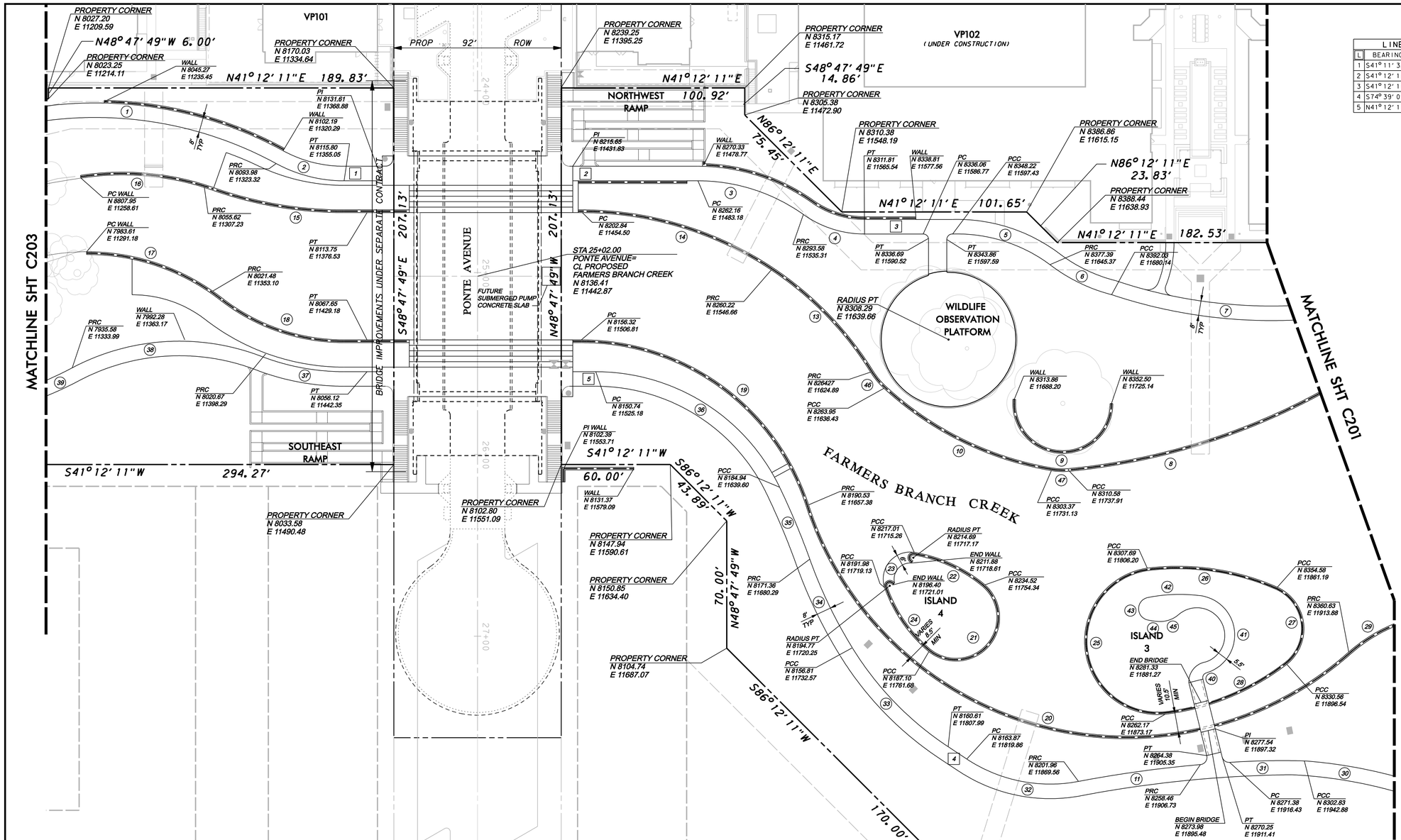
LAYOUT & DIMENSIONAL CONTROL PLAN NORTH

icon Consulting Engineers, Inc.
Civil Engineers - Designers - Planners
250 W. Southlake Blvd., Suite 117
Southlake, Tx 76092 (817) 552-6210

PROJECT	DESIGN	DRAWN	DATE	FILE	SHEET
5029-01	ICE	ICE	APR 26, 2010	PW# 2009-04	C201

RECORD DRAWINGS 06/18/12

PARK AND STREETSCAPE IMPROVEMENTS - VITRUVIAN PARK



LINE DATA		
L	BEARING	LENGTH
1	S41° 11' 32"W	21.00'
2	S41° 12' 11"W	68.82'
3	S41° 12' 11"W	32.23'
4	S74° 39' 09"W	12.31'
5	N41° 12' 11"E	12.65'

NORTH

0 15 30 45 60

GRAPHIC SCALE IN FEET
SCALE: 1"=30'

CURVE DATA				RADIUS POINT	
C	DELTA	RADIUS	LENGTH	NORTHING	EASTING
1	48° 01' 02"	208.00'	174.32'	11395.23	7898.81
2	28° 34' 59"	78.00'	38.91'	11296.35	8167.17
3	35° 25' 58"	100.00'	61.84'	11558.42	8196.29
4	35° 25' 58"	58.00'	35.87'	11521.90	8350.01
5	38° 16' 43"	85.58'	57.18'	11663.42	8293.73
6	22° 58' 28"	94.71'	37.98'	11626.73	8470.24
7	27° 00' 11"	278.24'	131.13'	11539.42	8632.06
8	34° 37' 50"	362.81'	219.29'	11443.16	8522.12
9	184° 35' 02"	27.50'	88.59'	11707.44	8332.44
10	33° 07' 41"	179.90'	104.02'	11617.51	8442.85
11	05° 50' 52"	432.22'	67.66'	12441.24	7866.34
12					
13	24° 21' 40"	185.61'	78.92'	11595.15	8081.05
14	33° 31' 53"	188.18'	110.13'	11595.82	8078.57
15	17° 20' 29"	300.00'	90.80'	11151.28	8311.90
16	26° 14' 13"	150.00'	68.69'	11385.20	7927.48
17	34° 54' 21"	121.00'	73.72'	11382.37	7904.07
18	34° 30' 48"	150.00'	90.36'	11316.82	8167.03
19	71° 56' 18"	131.36'	165.05'	11605.65	8069.78
20	84° 35' 09"	184.04'	271.69'	11729.85	8359.70
21	176° 49' 57"	24.00'	74.07'	11757.36	8210.71
22	30° 42' 30"	80.87'	43.34'	11766.69	8154.60
23	116° 46' 49"	14.87'	30.30'	11724.90	8205.69
24	30° 42' 30"	80.87'	43.34'	11749.29	8267.02

CURVE DATA				RADIUS POINT	
C	DELTA	RADIUS	LENGTH	NORTHING	EASTING
25	176° 49' 57"	40.50'	125.00'	11840.32	8285.86
26	30° 42' 30"	136.47'	73.14'	11919.09	8231.00
27	116° 46' 49"	25.09'	51.13'	11871.47	8331.70
28	30° 42' 30"	136.47'	73.14'	11760.32	8338.91
29	93° 48' 19"	88.80'	145.38'	12002.68	8361.09
30	11° 52' 06"	262.28'	54.33'	12127.19	8116.23
31	05° 27' 02"	432.22'	41.12'	12260.04	8009.19
32	44° 14' 09"	83.16'	64.20'	11797.85	8244.06
33	24° 54' 56"	175.05'	76.12'	11761.66	8329.42
34	12° 01' 58"	257.91'	54.16'	11775.21	8411.17
35	05° 52' 49"	418.16'	42.92'	11527.76	7782.01
36	64° 18' 35"	112.19'	125.92'	11609.59	8076.83
37	19° 26' 09"	167.50'	56.82'	11316.82	8167.03
38	47° 38' 30"	132.05'	109.80'	11462.52	7905.30
39	21° 54' 58"	192.88'	73.78'	11146.24	7979.80
40	91° 18' 56"	2.70'	4.30'	11873.36	8293.00
41	158° 47' 36"	21.77'	60.35'	11851.16	8303.29
42	18° 02' 25"	90.00'	28.29'	11896.57	8252.36
43	153° 53' 50"	6.30'	16.92'	11824.02	8294.11
44	10° 12' 30"	36.00'	6.41'	11806.55	8318.12
45	43° 44' 58"	15.30'	11.68'	11821.50	8303.81
46	15° 15' 22"	43.50'	11.58'	11631.85	8307.21
47	15° 10' 04"	37.50'	9.93'	11707.44	8332.44

LAYOUT & DIMENSIONAL CONTROL NOTES

1. GENERAL CONSTRUCTION NOTES: REFER TO SHEET C100 "GENERAL CONSTRUCTION NOTES, LEGEND AND ABBREVIATIONS" FOR THE GENERAL CONSTRUCTION NOTES FOR THE PROJECT.

2. SURVEYING: ALL SURVEYING REQUIRED FOR CONSTRUCTION STAKING SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE DEVELOPER SHALL PROVIDE THE PROPERTY CORNERS AND TWO BENCHMARKS FOR USE AS HORIZONTAL AND VERTICAL DATUM. THE CONTRACTOR SHALL EMPLOY A REGISTERED PROFESSIONAL LAND SURVEYOR TO PERFORM ALL ADDITIONAL SURVEY, LAYOUT AND MEASUREMENT WORK NECESSARY FOR THE COMPLETION OF THE PROJECT.

3. PROTECTION OF PROPERTY CORNERS AND BENCHMARKS: THE CONTRACTOR SHALL PROTECT ALL PROPERTY CORNER MARKERS AND BENCHMARKS. AND WHEN ANY SUCH MARKERS OR CAL DATUM. THE IN DANGER OF BEING DISTURBED, THEY SHALL BE PROPERLY REFERENCED AND IF DISTURBED, SHALL BE RESET BY A REGISTERED PUBLIC SURVEYOR AT THE EXPENSE OF THE CONTRACTOR.

4. DIMENSIONAL CONTROL: ALL PAVING DIMENSIONS AND COORDINATES SHOWN ARE TO EDGE OF PAVEMENT WHERE APPLICABLE. ALL WALL DIMENSIONS AND CONTROLS SHOWN ARE AT FACE OF WALL.

5. CURB RADII: ALL CURB RADII SHALL BE 3' UNLESS OTHERWISE NOTED.

6. BUILDING DIMENSIONS: CONTRACTOR SHALL REFER TO BUILDING PLANS FOR ACTUAL BUILDING DIMENSIONS. THE DIMENSIONS AND CORNERS SHOWN ARE TO FACE OF OUTSIDE WALLS OF BUILDING.

WARNING

CONTRACTOR IS TO CONTACT TEXAS ONE-CALL SYSTEM (1-800-245-4545) OR OTHER UTILITY LOCATING SERVICES AT LEAST 48 HOURS PRIOR TO CONSTRUCTION ACTIVITIES. ICON CONSULTING ENGINEERS, INC. IS NOT RESPONSIBLE FOR KNOWING ALL EXISTING UTILITIES IN THE PROJECT AREA NOR FOR DEPICTING THE EXACT LOCATIONS OF UTILITIES ON THESE DRAWINGS.

BM #1 REF. ELEVATION = 559.47
SQUARE CUT IN TOP OF CURB, SOUTH MEDIAN END NOSE, MARSH LANE
1127' NORTH OF VITRUVIAN WAY.

BM #2 REF. ELEVATION = 547.84
SQUARE CUT IN TOP OF CURB, NORTH MEDIAN END NOSE, AT INTERSECTION OF VITRUVIAN WAY AND MARSH LANE.

STATE OF TEXAS
BRUCE F. DUNNE
62654
LICENSED
PROFESSIONAL ENGINEER

NO.	REVISION	BY	DATE

Addison

TOWN OF ADDISON
DALLAS COUNTY, TEXAS

PARK AND STREETSCAPE IMPROVEMENTS
VITRUVIAN PARK

LAYOUT & DIMENSIONAL CONTROL PLAN CENTER

icon Consulting Engineers, Inc.
Civil Engineers - Designers - Planners
250 W. Southlake Blvd., Suite 117
Southlake, Tx 76092 (817) 552-6210

PROJECT	DESIGN	DRAWN	DATE	FILE	SHEET
5029-01	ICE	ICE	APR 26, 2010	PW# 2009-04	C202

RECORD DRAWINGS 06/18/12

PARK AND STREETSCAPE IMPROVEMENTS - VITRUVIAN PARK

LINE DATA		
L	BEARING	LENGTH
1	N00° 13' 39"E	20.87'
2	N86° 11' 57"E	23.49'
3	N21° 45' 28"E	55.09'
4	N00° 09' 57"E	63.70'
5	N00° 09' 37"E	67.50'

CURVE DATA				RADIUS POINT	
C	DELTA	RADIUS	LENGTH	NORTHING	EASTING
1	48° 35' 43"	8.00'	6.78'	11053.82	7612.79
2	75° 16' 47"	55.50'	72.92'	11012.01	7660.59
3	112° 39' 22"	12.00'	23.59'	11072.44	7690.66
4					
5	16° 20' 14"	72.58'	20.70'	11185.24	7728.18
6	25° 04' 08"	108.00'	47.25'	11012.10	7779.48
7	56° 26' 44"	90.00'	88.66'	11197.45	7807.40
8	26° 07' 19"	132.12'	60.24'	11058.91	7973.73
9	70° 33' 12"	18.98'	23.37'	11155.56	7940.28
10	109° 26' 48"	8.00'	15.28'	11182.82	7970.90
11	40° 01' 02"	208.00'	174.32'	11395.23	7898.81
12	21° 54' 58"	192.88'	73.78'	11146.24	7979.80
13	35° 00' 53"	134.32'	82.15'	11413.76	7791.22

NORTH

0 15 30 45 60

GRAPHIC SCALE IN FEET
SCALE: 1"=30'

LAYOUT & DIMENSIONAL CONTROL NOTES

1. GENERAL CONSTRUCTION NOTES: REFER TO SHEET C100 "GENERAL CONSTRUCTION NOTES, LEGEND AND ABBREVIATIONS" FOR THE GENERAL CONSTRUCTION NOTES FOR THE PROJECT.

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WARNING

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BM #1 REF. ELEVATION = 559.47
SQUARE CUT IN TOP OF CURB, SOUTH MEDIAN END NOSE, MARSH LANE 1127' NORTH OF VITRUVIAN WAY.

BM #2 REF. ELEVATION = 547.84
SQUARE CUT IN TOP OF CURB, NORTH MEDIAN END NOSE, AT INTERSECTION OF VITRUVIAN WAY AND MARSH LANE.

STATE OF TEXAS
BRUCE F. DUNNE
62654
LICENSED PROFESSIONAL ENGINEER

NO.	REVISION	BY	DATE

Addison

TOWN OF ADDISON
DALLAS COUNTY, TEXAS

PARK AND STREETSCAPE IMPROVEMENTS
VITRUVIAN PARK

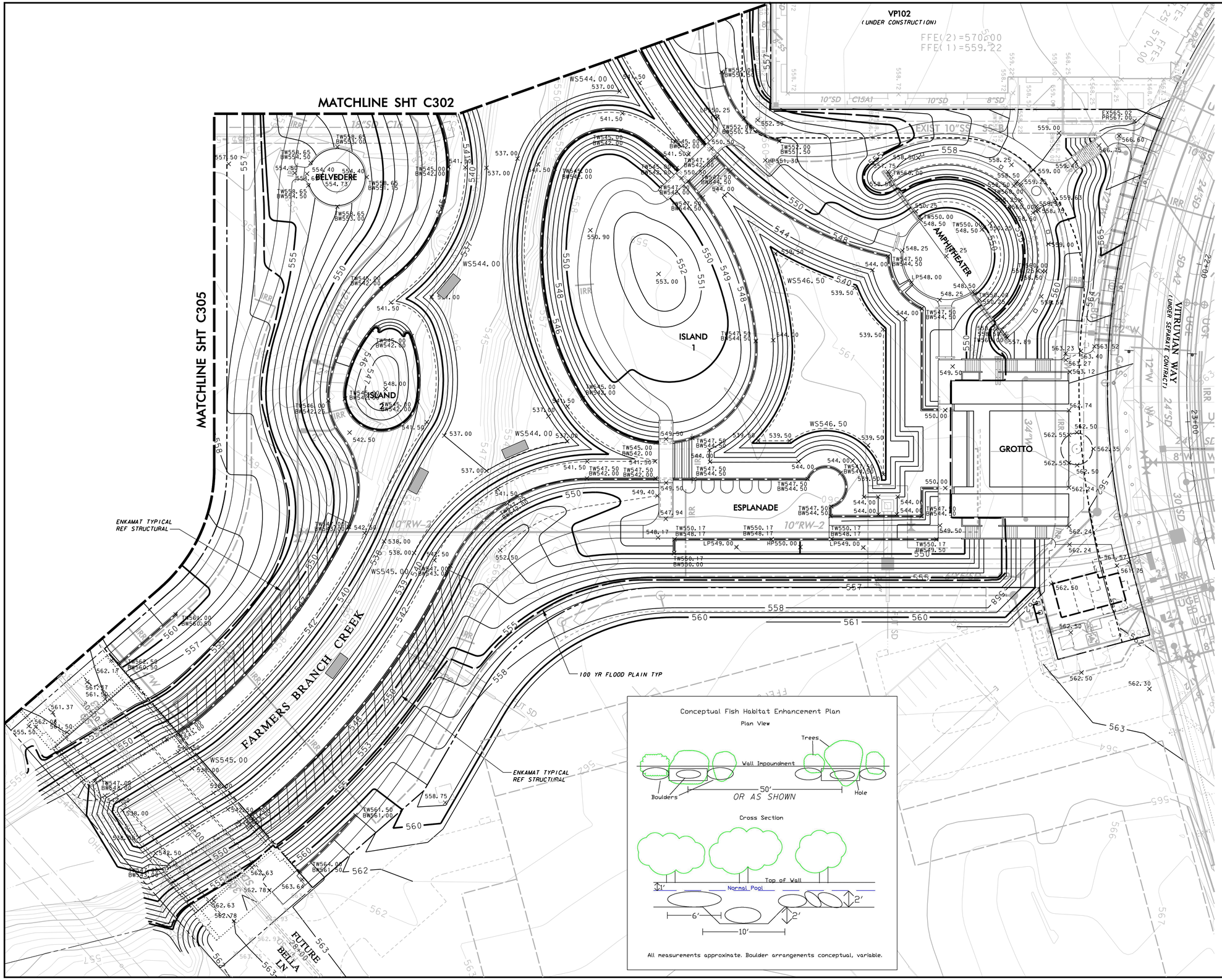
LAYOUT & DIMENSIONAL CONTROL PLAN SOUTH

icon Consulting Engineers, Inc.
Civil Engineers - Designers - Planners
250 W. Southlake Blvd., Suite 117
Southlake, Tx 76092 (817) 552-6210

PROJECT	DESIGN	DRAWN	DATE	FILE	SHEET
5029-01	ICE	ICE	APR 26, 2010	PW# 2009-04	C203

RECORD DRAWINGS 06/18/12

PARK AND STREETSCAPE IMPROVEMENTS - VITRUVIAN PARK



NORTH

0 15 30 45 60

GRAPHIC SCALE IN FEET
SCALE: 1"=30'

APPROXIMATE LOCATION OF FISH HABITAT
SEE DETAIL THIS SHEET

GRADING AND EXCAVATION NOTES:

1. *REFER TO SHEET C304 "GENERAL GRADING AND EXCAVATION NOTES" FOR THIS PROJECT.*
2. *THE PROPOSED CONTOURS INDICATED ON THE GRADING PLAN ARE FINISHED GRADES AND ARE SHOWN AT ONE-FOOT INTERVALS. SPOT ELEVATIONS SHOWN IN PAVED AREAS ARE TOP OF PAVEMENT, UNLESS NOTED OTHERWISE.*
3. *THE CONTRACTOR SHALL BE RESPONSIBLE FOR MASS GRADING OF THE SITE TO THE FOLLOWING ELEVATIONS:*

   ** 12" BELOW FINISHED GRADE FOR ALL AREAS WITHIN THE CONFINES OF THE LAKE AREA FOR PLACEMENT OF CLAY LINER MATERIAL*
   - *6" BELOW FINISHED GRADE FOR ALL HEAVY DUTY SIDEWALK PAVEMENT AREAS.*
   - *4" BELOW FINISHED GRADE FOR ALL STANDARD SIDEWALK PAVEMENT AREAS.*
   - *4" BELOW FINISHED GRADE FOR ALL LANDSCAPE AREAS.*

   A TOLERANCE OF +/- 0.10 FEET OF THE FINISHED GRADE WILL BE ALLOWED FOR ALL AREAS UNDER PROPOSED PAVEMENT. ALL LANDSCAPE AREAS ARE TO BE GRADED WITHIN +/- 0.30 FEET OF THE FINISHED GRADE.
4. *ALL LANDSCAPE AREAS WITHIN THE LIMITS OF THE PARK PROPERTY NOT DESIGNATED TO BE PAVED OR THAT ARE LOCATED WITHIN THE LIMITS OF THE LAKE AND CREEK AREAS SHALL RECEIVE FOUR (4) INCHES OF TOPSOIL. REFER TO THE LANDSCAPE PLANS FOR LIMITS OF TOPSOIL PLACEMENT.*

Conceptual Fish Habitat Enhancement Plan

Plan View

Cross Section

All measurements approximate. Boulder arrangements conceptual, variable.

WARNING

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SQUARE CUT IN TOP OF CURB, SOUTH MEDIAN END NOSE, MARSH LANE 1127' NORTH OF VITRUVIAN WAY.

BM #2 REF. ELEVATION = 547.84
SQUARE CUT IN TOP OF CURB, NORTH MEDIAN END NOSE, AT INTERSECTION OF VITRUVIAN WAY AND MARSH LANE.

STATE OF TEXAS
BRUCE F. DUNNE
62654
LICENSED
PROFESSIONAL ENGINEER

NO.	REVISION	BY	DATE

Addison

TOWN OF ADDISON
DALLAS COUNTY, TEXAS

PARK AND STREETSCAPE IMPROVEMENTS
VITRUVIAN PARK

GRADING PLAN NORTH

icon Consulting Engineers, Inc.
Civil Engineers - Designers - Planners
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Southlake, Tx 76092 (817) 552-6210

PROJECT	DESIGN	DRAWN	DATE	FILE	SHEET
5029-01	ICE	ICE	APR 26, 2010	PW# 2009-04	C301

PARK AND STREETSCAPE IMPROVEMENTS - VITRUVIAN PARK

RECORD DRAWINGS 06/18/12

MATCHLINE SHT C303

MATCHLINE SHT C304

MATCHLINE SHT C305

MATCHLINE SHT C301

VP101

VP102
(UNDER CONSTRUCTION)

PONTE AVENUE
UNDER SEPARATE CONTRACT

NORTHWEST RAMP

SOUTHEAST RAMP

ROCK BOULDER SLOPE PROTECTION TYPICAL

ENKAMAT TYPICAL REF STRUCTURAL

WILDLIFE OBSERVATION PLATFORM

100 YR FLOOD PLAIN TYP

ISLAND 4

ISLAND 3

FARMERS BRANCH CK

APPROXIMATE LOCATION OF FISH HABITAT SEE DETAIL SHEET C301

NORTH

0 15 30 45 60

GRAPHIC SCALE IN FEET
SCALE: 1"=30'

GRADING AND EXCAVATION NOTES:

1. REFER TO SHEET C304 "GENERAL GRADING AND EXCAVATION NOTES" FOR THIS PROJECT.
2. THE PROPOSED CONTOURS INDICATED ON THE GRADING PLAN ARE FINISHED GRADES AND ARE SHOWN AT ONE-FOOT INTERVALS. SPOT ELEVATIONS SHOWN IN PAVED AREAS ARE TOP OF PAVEMENT, UNLESS NOTED OTHERWISE.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MASS GRADING OF THE SITE TO THE FOLLOWING ELEVATIONS:

   * 12" BELOW FINISHED GRADE FOR ALL AREAS WITHIN THE CONFINES OF THE LAKE AREA FOR PLACEMENT OF CLAY LINER MATERIAL
   * 6" BELOW FINISHED GRADE FOR ALL HEAVY DUTY SIDEWALK PAVEMENT AREAS.
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4. ALL LANDSCAPE AREAS WITHIN THE LIMITS OF THE PARK PROPERTY NOT DESIGNATED TO BE PAVED OR THAT ARE LOCATED WITHIN THE LIMITS OF THE LAKE AND CREEK AREAS SHALL RECEIVE FOUR (4) INCHES OF TOPSOIL. REFER TO THE LANDSCAPE PLANS FOR LIMITS OF TOPSOIL PLACEMENT.

WARNING

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1127' NORTH OF VITRUVIAN WAY.

BM #2 REF. ELEVATION = 547.84
SQUARE CUT IN TOP OF CURB, NORTH MEDIAN END NOSE, AT INTERSECTION OF VITRUVIAN WAY AND MARSH LANE.

STATE OF TEXAS
BRUCE F. DUNNE
62654
LICENSED
PROFESSIONAL ENGINEER

NO.	REVISION	BY	DATE

TOWN OF ADDISON
DALLAS COUNTY, TEXAS

PARK AND STREETSCAPE IMPROVEMENTS
VITRUVIAN PARK

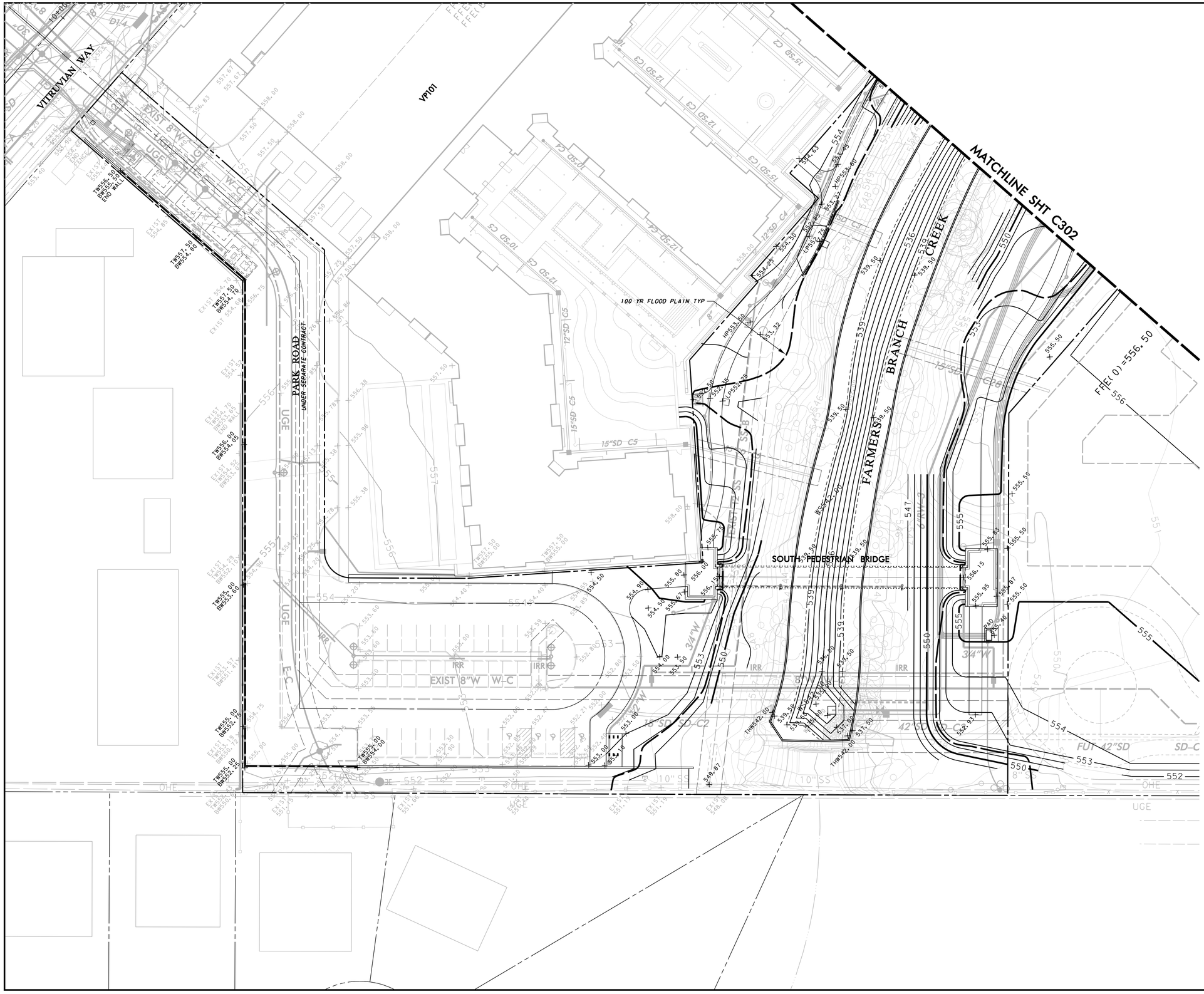
GRADING PLAN
CENTER

icon Consulting Engineers, Inc.
Civil Engineers - Designers - Planners
250 W. Southlake Blvd., Suite 117
Southlake, Tx 76092 (817) 552-6210

PROJECT	DESIGN	DRAWN	DATE	FILE	SHEET
5029-01	ICE	ICE	APR 26, 2010	PW# 2009-04	C302

RECORD DRAWINGS 06/18/12

PARK AND STREETSCAPE IMPROVEMENTS - VITRUVIAN PARK



NORTH

0 15 30 45 60

GRAPHIC SCALE IN FEET
SCALE: 1"=30'

GRADING AND EXCAVATION NOTES:

1. *REFER TO SHEET C304 "GENERAL GRADING AND EXCAVATION NOTES" FOR THIS PROJECT.*
2. *THE PROPOSED CONTOURS INDICATED ON THE GRADING PLAN ARE FINISHED GRADES AND ARE SHOWN AT ONE-FOOT INTERVALS. SPOT ELEVATIONS SHOWN IN PAVED AREAS ARE TOP OF PAVEMENT, UNLESS NOTED OTHERWISE.*
3. *THE CONTRACTOR SHALL BE RESPONSIBLE FOR MASS GRADING OF THE SITE TO THE FOLLOWING ELEVATIONS:*

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WARNING

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SQUARE CUT IN TOP OF CURB, SOUTH MEDIAN END NOSE, MARSH LANE 1127' NORTH OF VITRUVIAN WAY.

BM #2 REF. ELEVATION = 547.84
SQUARE CUT IN TOP OF CURB, NORTH MEDIAN END NOSE, AT INTERSECTION OF VITRUVIAN WAY AND MARSH LANE.

STATE OF TEXAS
BRUCE F. DUNNE
62654
LICENSED
PROFESSIONAL ENGINEER

NO.	REVISION	BY	DATE

Addison *TOWN OF ADDISON*
DALLAS COUNTY, TEXAS

PARK AND STREETSCAPE IMPROVEMENTS
VITRUVIAN PARK

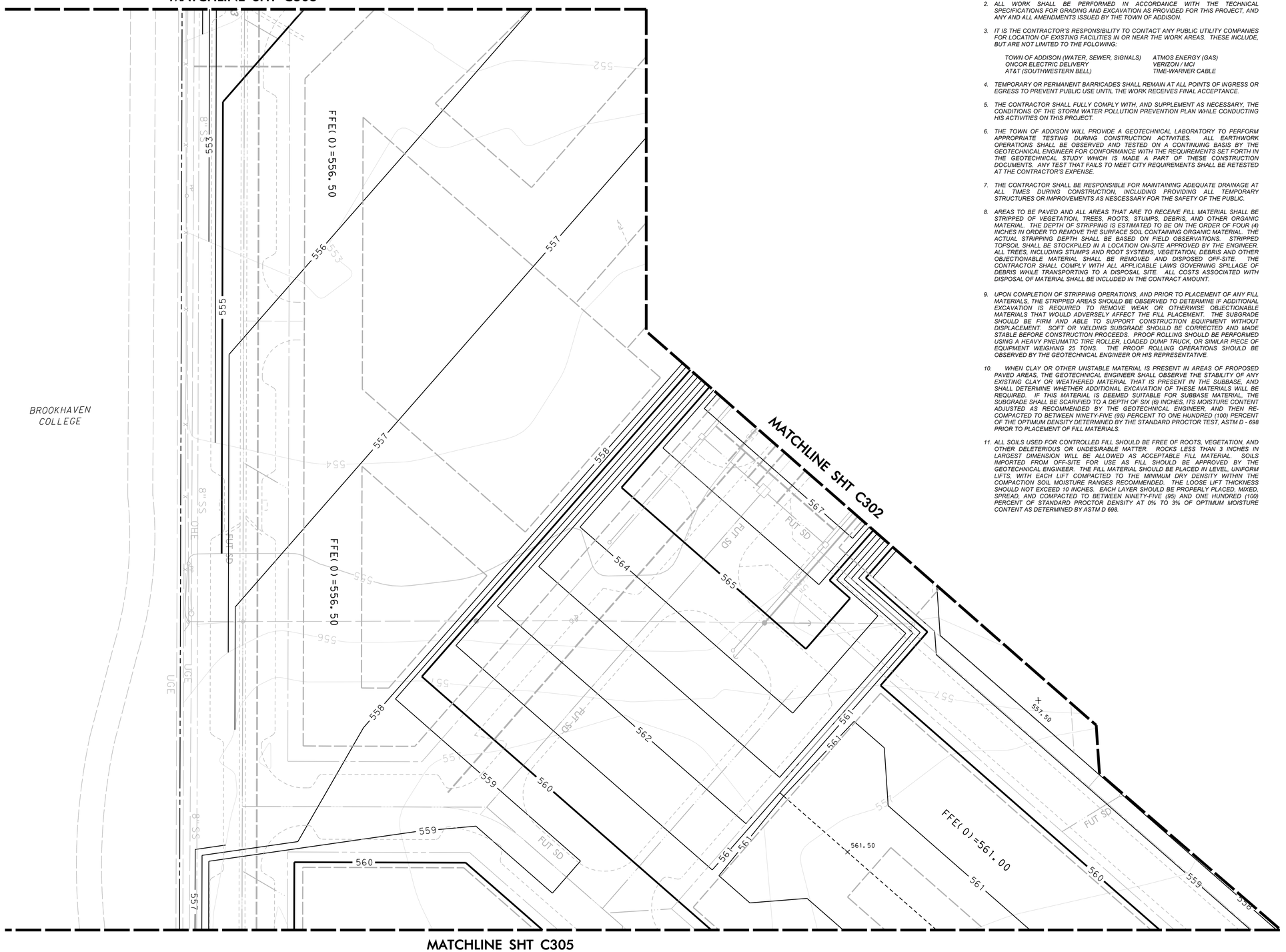
GRADING PLAN SOUTH

icon Consulting Engineers, Inc.
Civil Engineers - Designers - Planners
250 W. Southlake Blvd., Suite 117
Southlake, Tx 76092 (817) 552-6210

PROJECT	DESIGN	DRAWN	DATE	FILE	SHEET
5029-01	ICE	ICE	APR 26, 2010	PW # 2009-04	C303

PARK AND STREETSCAPE IMPROVEMENTS - VITRUVIAN PARK

RECORD DRAWINGS 06/18/12



GENERAL GRADING AND EXCAVATION NOTES:

1. *REFER TO SHEET C304 FOR "GENERAL GRADING AND EXCAVATION NOTES" FOR THIS PROJECT.*
2. *ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE TECHNICAL SPECIFICATIONS FOR GRADING AND EXCAVATION AS PROVIDED FOR THIS PROJECT, AND ANY AND ALL AMENDMENTS ISSUED BY THE TOWN OF ADDISON.*
3. *IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONTACT ANY PUBLIC UTILITY COMPANIES FOR LOCATION OF EXISTING FACILITIES IN OR NEAR THE WORK AREAS. THESE INCLUDE, BUT ARE NOT LIMITED TO THE FOLOWING:*

TOWN OF ADDISON (WATER, SEWER, SIGNALS)	*ATMOS ENERGY (GAS)*
ONCOR ELECTRIC DELIVERY	*VERIZON / MCI*
AT&T (SOUTHWESTERN BELL)	*TIME-WARNER CABLE*

4. *TEMPORARY OR PERMANENT BARRICADES SHALL REMAIN AT ALL POINTS OF INGRESS OR EGRESS TO PREVENT PUBLIC USE UNTIL THE WORK RECEIVES FINAL ACCEPTANCE.*
5. *THE CONTRACTOR SHALL FULLY COMPLY WITH, AND SUPPLEMENT AS NECESSARY, THE CONDITIONS OF THE STORM WATER POLLUTION PREVENTION PLAN WHILE CONDUCTING HIS ACTIVITIES ON THIS PROJECT.*
6. *THE TOWN OF ADDISON WILL PROVIDE A GEOTECHNICAL LABORATORY TO PERFORM APPROPRIATE TESTING DURING CONSTRUCTION ACTIVITIES. ALL EARTHWORK OPERATIONS SHALL BE OBSERVED AND TESTED ON A CONTINUING BASIS BY THE GEOTECHNICAL ENGINEER FOR CONFORMANCE WITH THE REQUIREMENTS SET FORTH IN THE GEOTECHNICAL STUDY WHICH IS MADE A PART OF THESE CONSTRUCTION DOCUMENTS. ANY TEST THAT FAILS TO MEET CITY REQUIREMENTS SHALL BE RETESTED AT THE CONTRACTOR'S EXPENSE.*
7. *THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ADEQUATE DRAINAGE AT ALL TIMES DURING CONSTRUCTION, INCLUDING PROVIDING ALL TEMPORARY STRUCTURES OR IMPROVEMENTS AS NESCESSARY FOR THE SAFETY OF THE PUBLIC.*
8. *AREAS TO BE PAVED AND ALL AREAS THAT ARE TO RECEIVE FILL MATERIAL SHALL BE STRIPPED OF VEGETATION, TREES, ROOTS, STUMPS, DEBRIS, AND OTHER ORGANIC MATERIAL. THE DEPTH OF STRIPPING IS ESTIMATED TO BE ON THE ORDER OF FOUR (4) INCHES IN ORDER TO REMOVE THE SURFACE SOIL CONTAINING ORGANIC MATERIAL. THE ACTUAL STRIPPING DEPTH SHALL BE BASED ON FIELD OBSERVATIONS. STRIPPED TOPSOIL SHALL BE STOCKPILED IN A LOCATION ON-SITE APPROVED BY THE ENGINEER. ALL TREES, INCLUDING STUMPS AND ROOT SYSTEMS, VEGETATION, DEBRIS AND OTHER OBJECTIONABLE MATERIAL SHALL BE REMOVED AND DISPOSED OFF-SITE. THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE LAWS GOVERNING SPILLAGE OF DEBRIS WHILE TRANSPORTING TO A DISPOSAL SITE. ALL COSTS ASSOCIATED WITH DISPOSAL OF MATERIAL SHALL BE INCLUDED IN THE CONTRACT AMOUNT.*
9. *UPON COMPLETION OF STRIPPING OPERATIONS, AND PRIOR TO PLACEMENT OF ANY FILL MATERIALS, THE STRIPPED AREAS SHOULD BE OBSERVED TO DETERMINE IF ADDITIONAL EXCAVATION IS REQUIRED TO REMOVE WEAK OR OTHERWISE OBJECTIONABLE MATERIALS THAT WOULD ADVERSELY AFFECT THE FILL PLACEMENT. THE SUBGRADE SHOULD BE FIRM AND ABLE TO SUPPORT CONSTRUCTION EQUIPMENT WITHOUT DISPLACEMENT. SOFT OR YIELDING SUBGRADE SHOULD BE CORRECTED AND MADE STABLE BEFORE CONSTRUCTION PROCEEDS. PROOF ROLLING SHOULD BE PERFORMED USING A HEAVY PNEUMATIC TIRE ROLLER, LOADED DUMP TRUCK, OR SIMILAR PIECE OF EQUIPMENT WEIGHING 25 TONS. THE PROOF ROLLING OPERATIONS SHOULD BE OBSERVED BY THE GEOTECHNICAL ENGINEER OR HIS REPRESENTATIVE.*
10. *WHEN CLAY OR OTHER UNSTABLE MATERIAL IS PRESENT IN AREAS OF PROPOSED PAVED AREAS, THE GEOTECHNICAL ENGINEER SHALL OBSERVE THE STABILITY OF ANY EXISTING CLAY OR WEATHERED MATERIAL THAT IS PRESENT IN THE SUBBASE, AND SHALL DETERMINE WHETHER ADDITIONAL EXCAVATION OF THESE MATERIALS WILL BE REQUIRED. IF THIS MATERIAL IS DEEMED SUITABLE FOR SUBBASE MATERIAL, THE SUBGRADE SHALL BE SCARIFIED TO A DEPTH OF SIX (6) INCHES, ITS MOISTURE CONTENT ADJUSTED AS RECOMMENDED BY THE GEOTECHNICAL ENGINEER, AND THEN RE-COMPACTED TO BETWEEN NINETY-FIVE (95) PERCENT TO ONE HUNDRED (100) PERCENT OF THE OPTIMUM DENSITY DETERMINED BY THE STANDARD PROCTOR TEST, ASTM D - 698 PRIOR TO PLACEMENT OF FILL MATERIALS.*
11. *ALL SOILS USED FOR CONTROLLED FILL SHOULD BE FREE OF ROOTS, VEGETATION, AND OTHER DELETERIOUS OR UNDESIRABLE MATTER. ROCKS LESS THAN 3 INCHES IN LARGEST DIMENSION WILL BE ALLOWED AS ACCEPTABLE FILL MATERIAL. SOILS IMPORTED FROM OFF-SITE FOR USE AS FILL SHOULD BE APPROVED BY THE GEOTECHNICAL ENGINEER. THE FILL MATERIAL SHOULD BE PLACED IN LEVEL, UNIFORM LIFTS, WITH EACH LIFT COMPACTED TO THE MINIMUM DRY DENSITY WITHIN THE COMPACTION SOIL MOISTURE RANGES RECOMMENDED. THE LOOSE LIFT THICKNESS SHOULD NOT EXCEED 10 INCHES. EACH LAYER SHOULD BE PROPERLY PLACED, MIXED, SPREAD, AND COMPACTED TO BETWEEN NINETY-FIVE (95) AND ONE HUNDRED (100) PERCENT OF STANDARD PROCTOR DENSITY AT 0% TO 3% OF OPTIMUM MOISTURE CONTENT AS DETERMINED BY ASTM D 698.*

NORTH

0 15 30 45 60

GRAPHIC SCALE IN FEET
SCALE: 1"=30'

GRADING AND EXCAVATION NOTES:

1. *REFER TO SHEET C304 "GENERAL GRADING AND EXCAVATION NOTES" FOR THIS PROJECT.*
2. *THE PROPOSED CONTOURS INDICATED ON THE GRADING PLAN ARE FINISHED GRADES AND ARE SHOWN AT ONE-FOOT INTERVALS. SPOT ELEVATIONS SHOWN IN PAVED AREAS ARE TOP OF PAVEMENT, UNLESS NOTED OTHERWISE.*
3. *THE CONTRACTOR SHALL BE RESPONSIBLE FOR MASS GRADING OF THE SITE TO THE FOLLOWING ELEVATIONS:*

   ** 12" BELOW FINISHED GRADE FOR ALL AREAS WITHIN THE CONFINES OF THE LAKE AREA FOR PLACEMENT OF CLAY LINER MATERIAL.*
   ** 6" BELOW FINISHED GRADE FOR ALL HEAVY DUTY SIDEWALK PAVEMENT AREAS.*
   ** 4" BELOW FINISHED GRADE FOR ALL STANDARD SIDEWALK PAVEMENT AREAS.*
   ** 4" BELOW FINISHED GRADE FOR ALL LANDSCAPE AREAS.*

   A TOLERANCE OF +/- 0.10 FEET OF THE FINISHED GRADE WILL BE ALLOWED FOR ALL AREAS UNDER PROPOSED PAVEMENT. ALL LANDSCAPE AREAS ARE TO BE GRADED WITHIN +/- 0.30 FEET OF THE FINISHED GRADE.
4. *ALL LANDSCAPE AREAS WITHIN THE LIMITS OF THE PARK PROPERTY NOT DESIGNATED TO BE PAVED OR THAT ARE LOCATED WITHIN THE LIMITS OF THE LAKE AND CREEK AREAS SHALL RECEIVE FOUR (4) INCHES OF TOPSOIL. REFER TO THE LANDSCAPE PLANS FOR LIMITS OF TOPSOIL PLACEMENT.*

WARNING

CONTRACTOR IS TO CONTACT TEXAS ONE-CALL SYSTEM (1-800-245-4545) OR OTHER UTILITY LOCATING SERVICES AT LEAST 48 HOURS PRIOR TO CONSTRUCTION ACTIVITIES. ICON CONSULTING ENGINEERS, INC. IS NOT RESPONSIBLE FOR KNOWING ALL EXISTING UTILITIES IN THE PROJECT AREA NOR FOR DEPICTING THE EXACT LOCATIONS OF UTILITIES ON THESE DRAWINGS.

BM #1 REF. ELEVATION = 559.47
SQUARE CUT IN TOP OF CURB, SOUTH MEDIAN END NOSE, MARSH LANE 1127' NORTH OF VITRUVIAN WAY.

BM #2 REF. ELEVATION = 547.84
SQUARE CUT IN TOP OF CURB, NORTH MEDIAN END NOSE, AT INTERSECTION OF VITRUVIAN WAY AND MARSH LANE.

STATE OF TEXAS
BRUCE F. DUNNE
62654
LICENSED PROFESSIONAL ENGINEER

NO.	REVISION	BY	DATE

Addison *TOWN OF ADDISON*
DALLAS COUNTY, TEXAS

PARK AND STREETSCAPE IMPROVEMENTS
VITRUVIAN PARK

GRADING PLAN SOUTHEAST

icon Consulting Engineers, Inc.
Civil Engineers - Designers - Planners
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Southlake, Tx 76092 (817) 552-6210

PROJECT	DESIGN	DRAWN	DATE	FILE	SHEET
5029-01	ICE	ICE	APR 26, 2010	PW# 2009-04	C304

PARK AND STREETSCAPE IMPROVEMENTS - VITRUVIAN PARK

RECORD DRAWINGS 06/18/12

MATCHLINE SHT C304

MATCHLINE SHT C302

MATCHLINE SHT C301

NORTH

0 15 30 45 60
GRAPHIC SCALE IN FEET
SCALE: 1"=30'

FFE(0)=561.00

561.50

562.00

561.75

FUT SD

OHE

UGE

PARISH EPISCOPAL SCHOOL

WARNING

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GRADING AND EXCAVATION NOTES:

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3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MASS GRADING OF THE SITE TO THE FOLLOWING ELEVATIONS:

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   * 6" BELOW FINISHED GRADE FOR ALL HEAVY DUTY SIDEWALK PAVEMENT AREAS.
   * 4" BELOW FINISHED GRADE FOR ALL STANDARD SIDEWALK PAVEMENT AREAS.
   * 4" BELOW FINISHED GRADE FOR ALL LANDSCAPE AREAS.

   A TOLERANCE OF +/- 0.10 FEET OF THE FINISHED GRADE WILL BE ALLOWED FOR ALL AREAS UNDER PROPOSED PAVEMENT. ALL LANDSCAPE AREAS ARE TO BE GRADED WITHIN +/- 0.30 FEET OF THE FINISHED GRADE.
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SQUARE CUT IN TOP OF CURB, SOUTH MEDIAN END NOSE, MARSH LANE 1127' NORTH OF VITRUVIAN WAY.

BM #2 REF. ELEVATION = 547.84
SQUARE CUT IN TOP OF CURB, NORTH MEDIAN END NOSE, AT INTERSECTION OF VITRUVIAN WAY AND MARSH LANE.

STATE OF TEXAS
BRUCE F. DUNNE
62654
LICENSED PROFESSIONAL ENGINEER

NO.	REVISION	BY	DATE

TOWN OF ADDISON
DALLAS COUNTY, TEXAS

PARK AND STREETSCAPE IMPROVEMENTS
VITRUVIAN PARK

GRADING PLAN NORTHEAST

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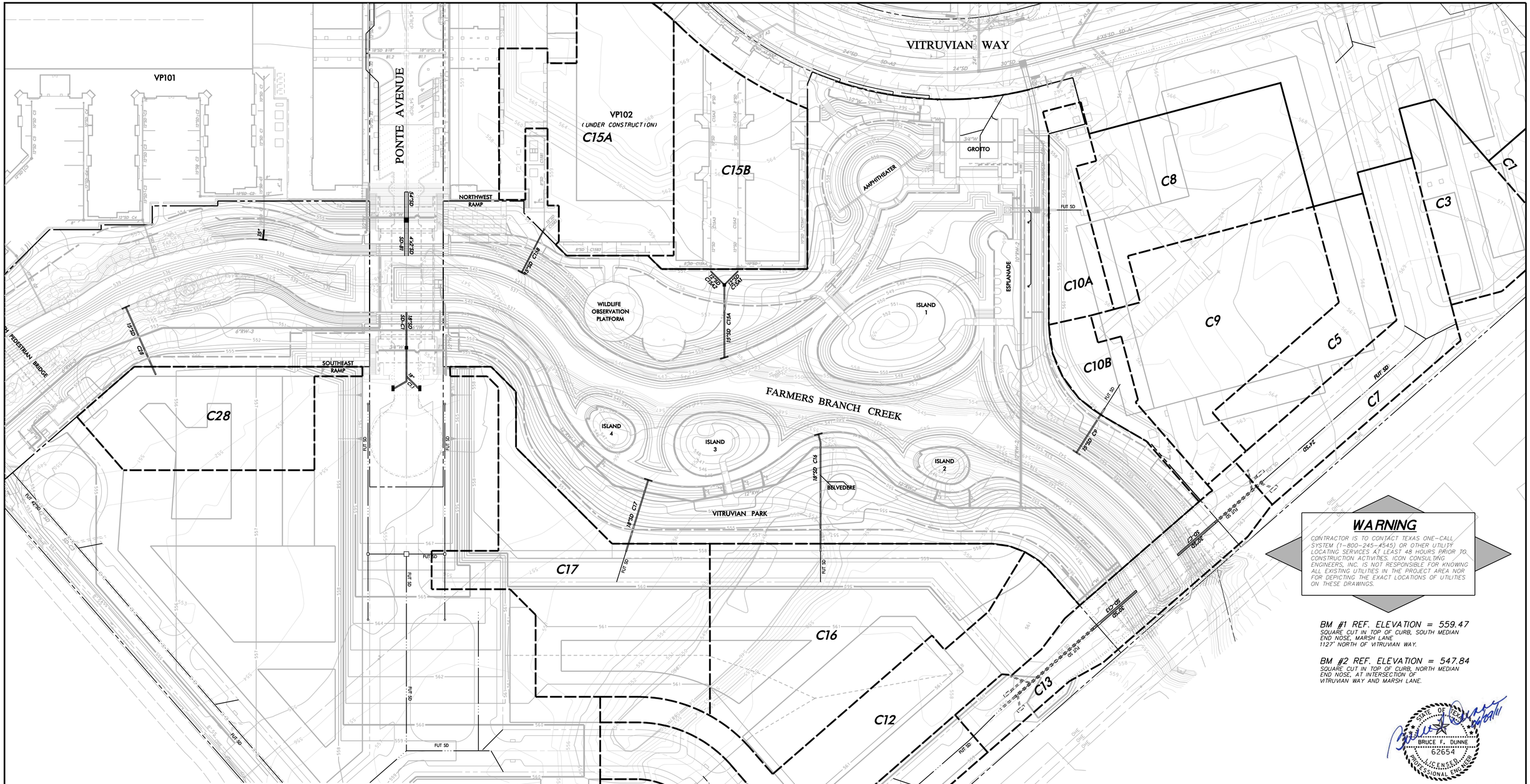
PROJECT	DESIGN	DRAWN	DATE	FILE	SHEET
5029-01	ICE	ICE	APR 26, 2010	PW# 2009-04	C305

PARK AND STREETSCAPE IMPROVEMENTS - VITRUVIAN PARK

RECORD DRAWINGS 06/18/12



WARNING

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BM #1 REF. ELEVATION = 559.47
SQUARE CUT IN TOP OF CURB, SOUTH MEDIAN END NOSE, MARSH LANE
1127' NORTH OF VITRUVIAN WAY.

BM #2 REF. ELEVATION = 547.84
SQUARE CUT IN TOP OF CURB, NORTH MEDIAN END NOSE, AT INTERSECTION OF VITRUVIAN WAY AND MARSH LANE.

DRAINAGE AREA CALCULATIONS - PROPOSED VITRUVIAN PARK

AREA NO.	AREA (acres)	RUNOFF COEFF.	CA	Tc (min)	I2 (in/hr)	Q2 (cfs)	I5 (in/hr)	Q5 (cfs)	I10 (in/hr)	Q10 (cfs)	I25 (in/hr)	Q25 (cfs)	I50 (in/hr)	Q50 (cfs)	I100 (in/hr)	Q100 (cfs)	COLLECTION POINT
C1	0.38	0.90	0.34	10.0	5.2	1.8	5.9	2.0	6.5	2.2	7.4	2.5	8.2	2.8	8.9	3.0	FUTURE ROOF DRAINS
C3	0.58	0.90	0.52	10.0	5.2	2.7	5.9	3.1	6.5	3.4	7.4	3.9	8.2	4.3	8.9	4.6	FUTURE ROOF DRAINS
C5	0.55	0.90	0.50	10.0	5.2	2.6	5.9	2.9	6.5	3.2	7.4	3.7	8.2	4.0	8.9	4.4	FUTURE ROOF DRAINS
C7	0.83	0.90	0.75	10.0	5.2	3.9	5.9	4.4	6.5	4.8	7.4	5.6	8.2	6.1	8.9	6.6	FUTURE CURB INLETS
C8	1.03	0.90	0.93	10.0	5.2	4.8	5.9	5.5	6.5	6.0	7.4	6.9	8.2	7.6	8.9	8.2	FUTURE ROOF DRAINS
C9	1.25	0.90	1.13	10.0	5.2	5.9	5.9	6.6	6.5	7.3	7.4	8.4	8.2	9.2	8.9	10.0	FUTURE ROOF DRAINS
C10A	0.34	0.90	0.31	10.0	5.2	1.6	5.9	1.8	6.5	2.0	7.4	2.3	8.2	2.5	8.9	2.7	FUTURE ROOF & AREA DRAINS
C10B	0.28	0.90	0.25	10.0	5.2	1.3	5.9	1.5	6.5	1.6	7.4	1.9	8.2	2.1	8.9	2.2	FUTURE ROOF & AREA DRAINS
C12	1.12	0.90	1.01	10.0	5.2	5.3	5.9	5.9	6.5	6.5	7.4	7.5	8.2	8.2	8.9	9.0	FUTURE ROOF DRAINS
C13	0.74	0.90	0.67	10.0	5.2	3.5	5.9	3.9	6.5	4.3	7.4	5.0	8.2	5.4	8.9	5.9	FUTURE CURB INLETS
C15A	1.32	0.90	1.19	10.0	5.2	6.2	5.9	7.0	6.5	7.7	7.4	8.8	8.2	9.7	8.9	10.5	FUTURE ROOF & AREA DRAINS
C15B	0.96	0.90	0.86	10.0	5.2	4.5	5.9	5.1	6.5	5.6	7.4	6.4	8.2	7.1	8.9	7.7	FUTURE ROOF & AREA DRAINS
C16	1.59	0.90	1.43	10.0	5.2	7.5	5.9	8.4	6.5	9.3	7.4	10.6	8.2	11.7	8.9	12.7	FUTURE ROOF & AREA DRAINS
C17	1.42	0.90	1.28	10.0	5.2	6.7	5.9	7.5	6.5	8.3	7.4	9.5	8.2	10.4	8.9	11.3	FUTURE ROOF & AREA DRAINS
C19	0.34	0.90	0.31	10.0	5.2	1.6	5.9	1.8	6.5	2.0	7.4	2.3	8.2	2.5	8.9	2.7	FUTURE CURB INLETS
C20	0.81	0.90	0.73	10.0	5.2	3.8	5.9	4.3	6.5	4.7	7.4	5.4	8.2	5.9	8.9	6.5	FUTURE CURB INLETS
C21	0.71	0.90	0.64	10.0	5.2	3.3	5.9	3.8	6.5	4.1	7.4	4.8	8.2	5.2	8.9	5.7	FUTURE ROOF & AREA DRAINS
C28	0.80	0.90	0.72	10.0	5.2	3.8	5.9	4.2	6.5	4.7	7.4	5.4	8.2	5.9	8.9	6.4	FUTURE ROOF & AREA DRAINS
	12.7					**59.8**		**67.3**		**74.2**		**85.1**		**93.3**		**101.6**	

LEGEND

DRAINAGE AREA DESIGNATION **B26**
DRAINAGE AREA BOUNDARY
DRAINAGE AREA SUB DIVIDE
DIRECTION OF FLOW

NORTH

0 30 60 90 120
GRAPHIC SCALE IN FEET
SCALE: 1"=60'

BRUCE F. DUNNE
62654
LICENSED PROFESSIONAL ENGINEER
STATE OF TEXAS

NO.	REVISION	BY	DATE

Addison *TOWN OF ADDISON*
DALLAS COUNTY, TEXAS

PARK AND STREETSCAPE IMPROVEMENTS
VITRUVIAN PARK

DRAINAGE AREA MAP & CALCULATIONS

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Civil Engineers - Designers - Planners
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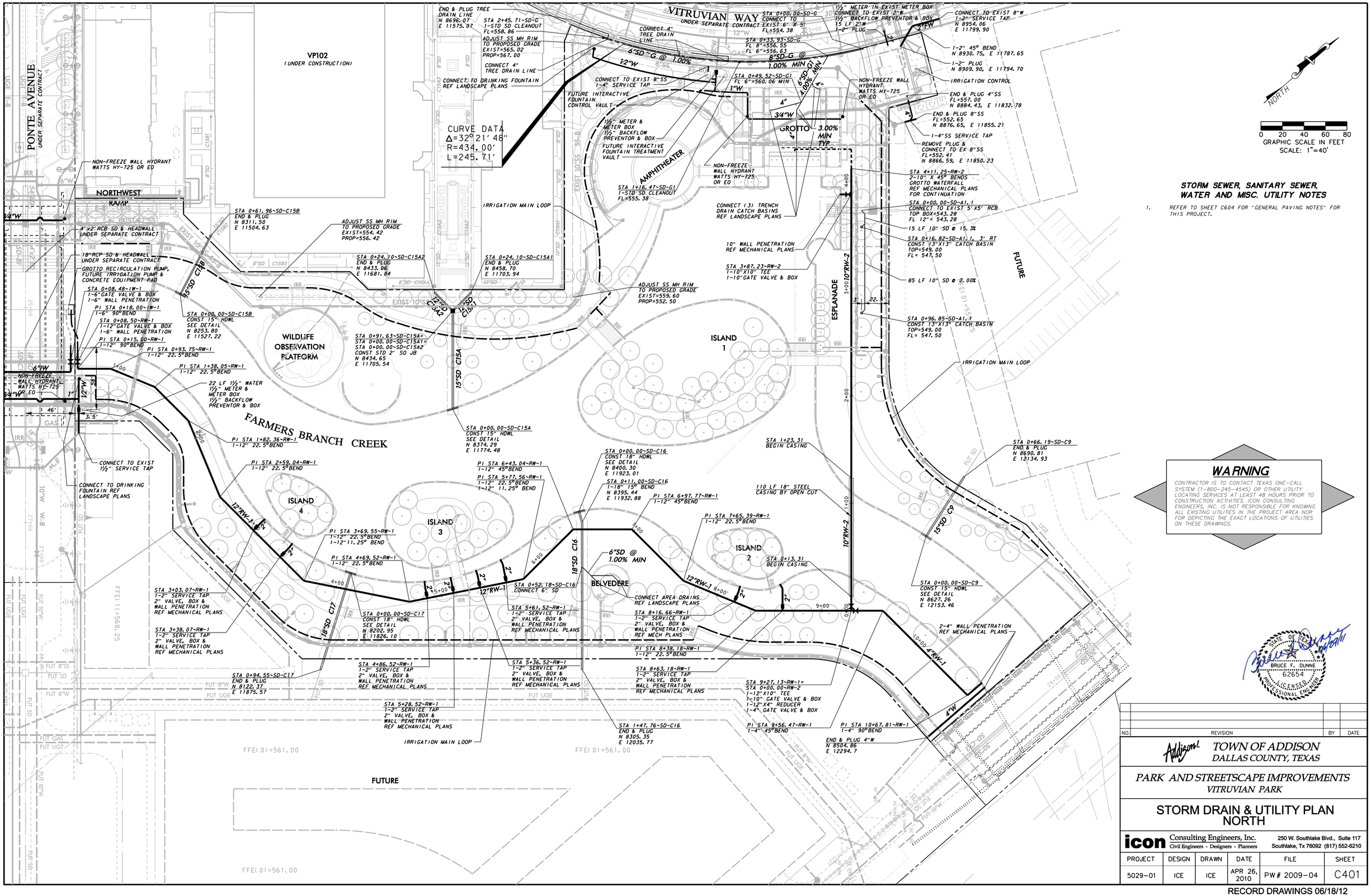
PROJECT	DESIGN	DRAWN	DATE	FILE	SHEET
5029-01	ICE	ICE	APR 26, 2010	PW# 2009-04	C400

RECORD DRAWINGS 06/18/12

PARK AND STREETSCAPE IMPROVEMENTS - VITRUVIAN PARK



STORM SEWER, SANITARY SEWER, WATER AND MISC. UTILITY NOTES

1. REFER TO SHEET C604 FOR "GENERAL PAVING NOTES" FOR THIS PROJECT.

WARNING

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STATE OF TEXAS
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62654
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PROFESSIONAL ENGINEER

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PARK AND STREETSCAPE IMPROVEMENTS
VITRUVIAN PARK

STORM DRAIN & UTILITY PLAN NORTH

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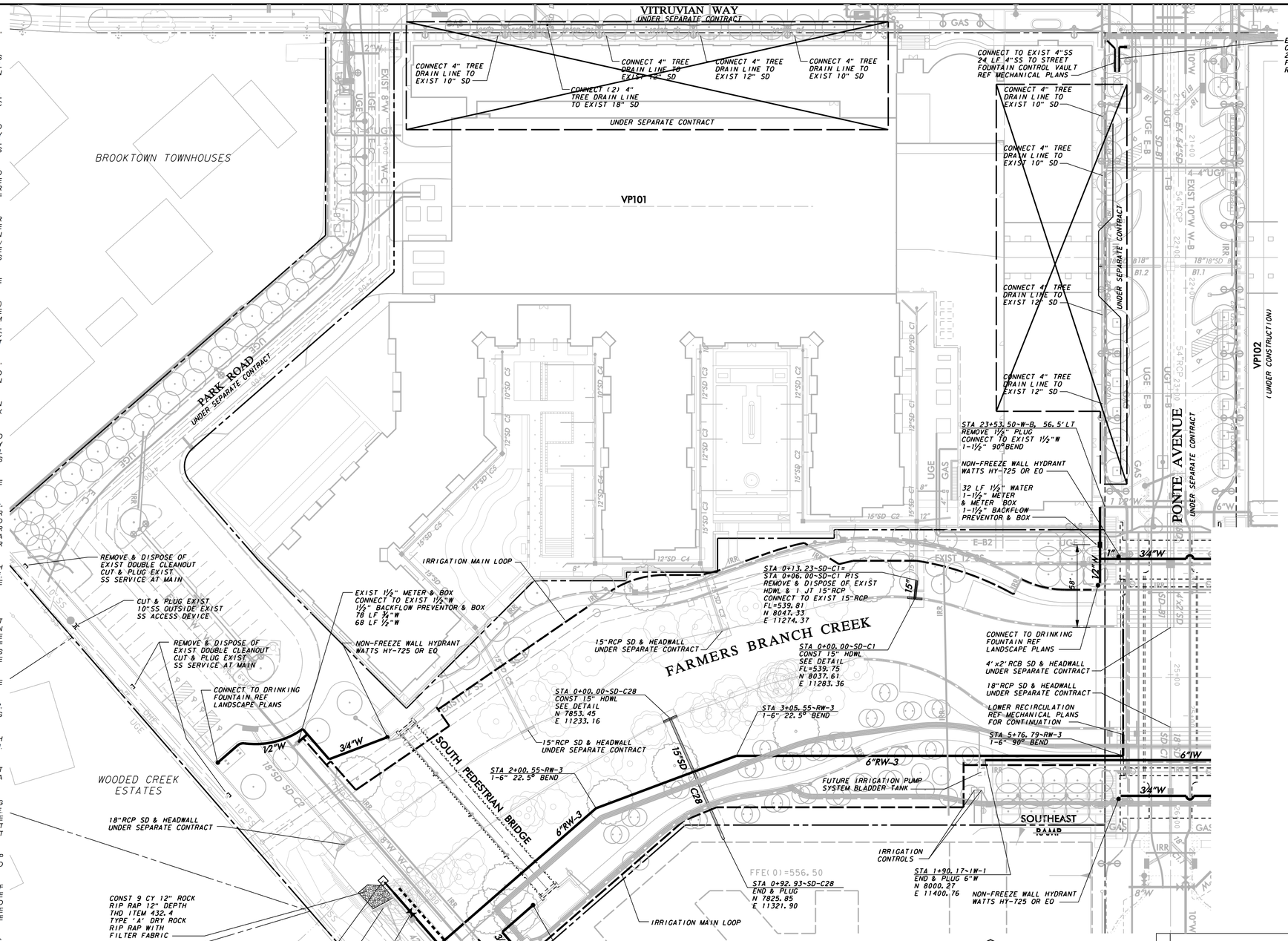
PROJECT	DESIGN	DRAWN	DATE	FILE	SHEET
5029-01	ICE	ICE	APR 26, 2010	PW# 2009-04	C401

RECORD DRAWINGS 06/18/12

PARK AND STREETSCAPE IMPROVEMENTS – VITRUVIAN PARK

GENERAL STORM DRAIN, SANITARY SEWER, WATER, AND MISC. UTILITY NOTES:

1. REFER TO SHEET C100 "GENERAL CONSTRUCTION NOTES, LEGEND AND ABBREVIATIONS" FOR THE GENERAL CONSTRUCTION NOTES FOR THIS PROJECT.
2. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH STANDARD SPECIFICATIONS FOR NORTH CENTRAL TEXAS COUNCIL OF GOVERNMENTS (NCTCOG), AND ANY AND ALL AMENDMENTS BY THE TOWN OF ADDISON, AS WELL AS STANDARD CONSTRUCTION DETAILS SHOWN ON THE PLANS.
3. THE CONTRACTOR SHALL COVER ALL OPEN EXCAVATIONS WITH ANCHORED STEEL PLATING, DURING NON-WORKING HOURS, ALONG EXISTING ROADWAYS AND TRAFFIC AREAS.
4. THE CONTRACTOR SHALL VERIFY THE SIZE, TYPE, ELEVATION, CONFIGURATION, AND ANGULATION OF EXISTING STORM DRAIN, WATER, SEWER AND OTHER MISC. UTILITY LINES PRIOR TO CONSTRUCTION OF TIE-IN MATERIALS. THE CONTRACTOR SHALL ASSUME RESPONSIBILITY FOR REPAIRS TO EXISTING FACILITIES DAMAGED BY HIS ACTIVITIES.
5. THE CONTRACTOR SHALL MAKE NECESSARY PROVISIONS FOR THE SUPPORT AND PROTECTION OF ALL UTILITY POLES, FENCES, TREES, SHRUBS, GAS MAINS, TELEPHONE CABLES, ELECTRIC CABLES, DRAINAGE PIPES, UTILITY SERVICES, AND ALL OTHER UTILITIES AND STRUCTURES BOTH ABOVE AND BELOW THE GROUND, THE COST OF WHICH SHALL BE INCLUDED IN THE CONTRACT AMOUNT.
6. THE CONTRACTOR SHALL COORDINATE INSTALLATION OF UTILITIES IN SUCH A MANNER AS TO AVOID CONFLICTS AND TO ASSURE PROPER DEPTHS ARE ACHIEVED. IN THE EVENT OF A CONFLICT BETWEEN WATER AND/OR MISC. UTILITY LINES WITH STORM DRAIN AND/OR SANITARY SEWER PIPING, THE CONTRACTOR SHALL ADJUST THE WATER LINE / MISC. UTILITY LINES DOWNWARDS IN SUCH A MANNER SO THAT THE PIPE MANUFACTURER'S RECOMMENDATIONS ON THE PIPE DEFLECTION AND JOINT STRESS ARE NOT EXCEEDED.
7. ALL STORM DRAIN STRUCTURES INCLUDING INLETS, DRAINS AND CLEANOUTS MUST BE ADJUSTED TO FINAL FINISHED GRADE BY THE CONTRACTOR.
8. ALL PIPE FOR STORM DRAIN IMPROVEMENTS FIFTEEN (15") THROUGH THIRTY-SIX (36") SHALL BE REINFORCED CONCRETE PIPE (RCP), CLASS III. REINFORCED CONCRETE PIPE JOINTS SHALL BE SEALED WITH RAMNECK OR APPROVED EQUAL. ALL PIPE FOR STORM DRAINAGE IMPROVEMENTS TWO (2") THROUGH TWELVE (12") SHALL BE POLYVINYL CHLORIDE PIPE (PVC), SDR-35 UNLESS NOTED OTHERWISE. ALL PIPE ENTERING PUBLIC STORM DRAIN STRUCTURES SHALL BE GROUTED TO ASSURE WATERTIGHT CONNECTIONS.
9. EMBEDMENT FOR STORM DRAIN PIPING SHALL CONSIST OF GRADE 4 CRUSHED STONE (3' BELOW PIPE FOR 27" AND SMALLER PIPES, AND 4" BELOW PIPE FOR 30" PIPES AND LARGER) TO THE CRADLE OF THE PIPE, WITH SELECT NATIVE SOIL LESS THAN 3" IN DIAMETER OR GRANULAR MATERIAL TO 6" OVER THE TOP OF PIPE.
10. FINISH BACKFILL SHALL BE NATIVE SOIL FREE OF ALL ROCKS AND CLODS GREATER THAN THREE INCHES IN DIAMETER, COMPACTED TO 95% STANDARD PROCTOR DENSITY, IN SIX (6) INCH MAXIMUM LOOSE LIFTS, WITH ZERO TO PLUS THREE, OPTIMUM MOISTURE.
11. THE CONTRACTOR SHALL VERIFY THE SIZE, TYPE, ELEVATION, CONFIGURATION, AND ANGULATION OF EXISTING STORM DRAIN, WATER, SANITARY SEWER AND MISC. UTILITY LINES PRIOR TO CONSTRUCTION OF TIE-IN MATERIALS. THE CONTRACTOR SHALL ASSUME RESPONSIBILITY FOR REPAIRS TO EXISTING FACILITIES DAMAGED BY HIS ACTIVITIES.
12. ALL WATER MAIN MATERIALS AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE TOWN OF ADDISON'S WATER SYSTEM REQUIREMENTS.
13. ALL WATER MAINS TWELVE-INCH (12") DIAMETER AND SMALLER SHALL BE ANSI/AWWA C-900 PVC PRESSURE PIPE WITH CAST IRON O.D. OR WHEN PIPE PENETRATES METER VAULT WALLS IT SHALL BE DUCTILE IRON. PIPE JOINTS SHALL BE RUBBER RING AND INTEGRAL THICKENED BELL, ASSEMBLED WITH A FACTORY SUPPLIED LUBRICANT. WATER MAINS SHALL HAVE A MINIMUM CLASS RATING OF 150-PSI FOR DOMESTIC USE AND A MINIMUM CLASS RATING OF 200-PSI FOR FIRE LINE APPLICATIONS. JOINT MATERIAL FOR PVC SHALL CONFORM TO ASTM F471.
14. EMBEDMENT FOR WATER, SEWER AND MISC. UTILITY PIPING SHALL COMPLY WITH NCTCOG CLASS "B+" EMBEDMENT OF CRUSHED STONE TO THE SPRING LINE OF THE PIPE, WITH SAND (12" MIN.) OVER THE PIPE. A LAYER OF GEO-TEXTILE FABRIC SHALL BE PLACED ON TOP OF THE STONE PRIOR TO THE PLACEMENT OF THE SAND.
15. THE MINIMUM COVER TO THE TOP OF ALL WATER LINES SHALL BE FOUR FEET (4').
16. THE CONTRACTOR SHALL SUPPLY AND INSTALL ANY ADDITIONAL BENDS WITH THRUST BLOCKING AND OTHER APPURTENANCES REQUIRED TO ASSURE PROPER INSTALLATION OF WATER MAINS AND LATERALS. THE CONTRACTOR MAY PULL PIPE AS NEEDED AT THE BENDS WHERE THE DEFLECTION ANGLE OF THE PIPE DOES NOT MATCH THE ANGLE OF THE BEND PROVIDED THE PIPE DEFLECTION IS WITHIN TOLERABLE MANUFACTURERS LIMITS. THE COST FOR ADDITIONAL BENDS AND BLOCKING SHALL BE INCLUDED IN THE CONTRACT AMOUNT.
17. ALL VALVES, DUCTILE IRON AND CAST IRON PIPE, FITTINGS AND SPECIALS SHALL BE POLYETHYLENE WRAPPED (MINIMUM 8 MIL THICKNESS).
18. HORIZONTAL BLOCKING FOR WATER LINES HAS BEEN OMITTED FOR CLARITY, HOWEVER, BLOCKING SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE GOVERNING AUTHORITIES' STANDARD DETAILS.
19. ALL FITTINGS SHALL BE DUCTILE IRON, FULL BODIED, MECHANICAL JOINT TYPE WITH RESTRAINING GLANDS, AND HAVE A MINIMUM RATED WORKING PRESSURE OF 250 PSI. FITTINGS SHALL BE WRAPPED WITH 8-MIL POLY PRIOR TO BACKFILL.
20. ALL VALVES AND FITTINGS SHALL HAVE CONCRETE THRUST BLOCKS INSTALLED. THRUST BLOCKING SHALL BE MINIMUM 3000 PSI CONCRETE AND BE ABLE TO WITHSTAND A MINIMUM 200 PSI TEST PRESSURE.
21. THRUST BLOCKING SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE GOVERNING AUTHORITIES' STANDARD DETAILS. DO NOT COVER BELLS OR FLANGES WITH CONCRETE. THE CONTRACTOR SHALL REMOVE EXISTING THRUST BLOCKING OR RESTRAINTS WHERE NECESSARY TO ALLOW THE WORK TO PROCEED, AND SHALL REPLACE THE THRUST BLOCKS WHERE REQUIRED. THE COST TO REMOVE, REPLACE OR PROVIDE THRUST BLOCKING SHALL BE INCLUDED IN THE CONTRACT AMOUNT.
22. NO PERSON SHALL OPEN, TURN OFF, INTERFERE WITH, ATTACH ANY HOSE TO, OR TAP ANY WATER MAIN BELONGING TO THE TOWN OF ADDISON UNLESS DULY AUTHORIZED TO DO SO BY THE TOWN OF ADDISON PUBLIC WORKS DEPARTMENT (972-450-2871).
23. ALL WASTEWATER MAIN PIPING SHALL MEET THE EXTRA STRENGTH REQUIREMENTS OF ASTM SPECIFICATION D3034 (SDR-35). PIPE SHALL HAVE THE BELL AND SPIGOT TYPE JOINTS, CONSISTING OF INTEGRAL WALL SECTION WITH FACTORY INSTALLED COMPRESSION RUBBER RING GASKET, SECURELY LOCKED IN BELL GROOVE TO PROVIDE POSITIVE SEAL UNDER ALL INSTALLATION CONDITIONS. PIPE SHALL BE LAID WITH THE BELL END ON THE UPSTREAM SIDE.
24. ALL EXISTING AND PROPOSED IMPROVEMENTS (VALVES, MANHOLES, FIRE HYDRANTS, WATER METERS, ETC.) SHALL BE ADJUSTED TO FINAL FINISHED GRADE BY THE CONTRACTOR.
25. WATER LINES SHALL BE TESTED BOTH BACTERIOLOGICALLY AND HYDROSTATICALLY. WATER MAINS SHALL BE HYROSTATICALLY TESTED AT 150 PSI FOR FOUR (4) HOURS. FIRE LINES SHALL BE HYDROSTATICALLY TESTED AT 200 PSI FOR (2) HOURS. ALL BLEEDER LINES SHALL BE REMOVED UPON COMPLETION OF TESTING BY REMOVING THE CORPORATION STOP AND INSTALLING A BRASS PLUG. HEAVILY CHLORINATED WATER (3.5 MG/L OR GREATER FREE CHLORINE) RESULTING FROM WATER LINE STERILIZATION SHALL BE DIRECTED TO THE SANITARY SEWER AFTER THE MANDATORY CHLORINE RETENTION TIME (USUALLY 24 HOURS) UNLESS OTHERWISE NOTED.
26. THE CONTRACTOR SHALL PROVIDE VERIFICATION OF COMPLETION AND COMPLIANCE OF ALL REQUIRED TESTS (PRESSURE, BACTERIOLOGICAL, BACKFLOW, VACUUM, MANDREL, VHS VIDEO OF SANITARY SEWER AND STORM DRAIN, ETC.) TO THE TOWN OF ADDISON.



WARNING

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BM #1 REF. ELEVATION = 559.47
SQUARE CUT IN TOP OF CURB, SOUTH MEDIAN END NOSE, MARSH LANE
1127' NORTH OF VITRUVIAN WAY.

BM #2 REF. ELEVATION = 547.84
SQUARE CUT IN TOP OF CURB, NORTH MEDIAN END NOSE, AT INTERSECTION OF VITRUVIAN WAY AND MARSH LANE.

STATE OF TEXAS
BRUCE F. DUNNE
62654
LICENSED PROFESSIONAL ENGINEER

NO.	REVISION	BY	DATE

TOWN OF ADDISON
DALLAS COUNTY, TEXAS

PARK AND STREETSCAPE IMPROVEMENTS
VITRUVIAN PARK

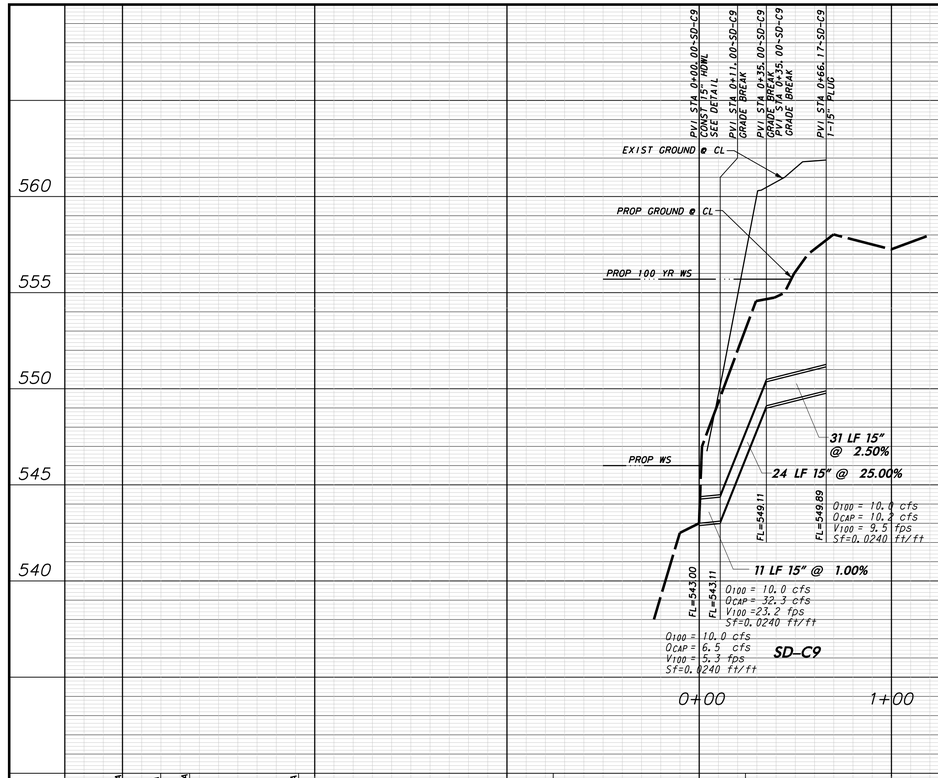
STORM DRAIN & UTILITY PLAN SOUTH

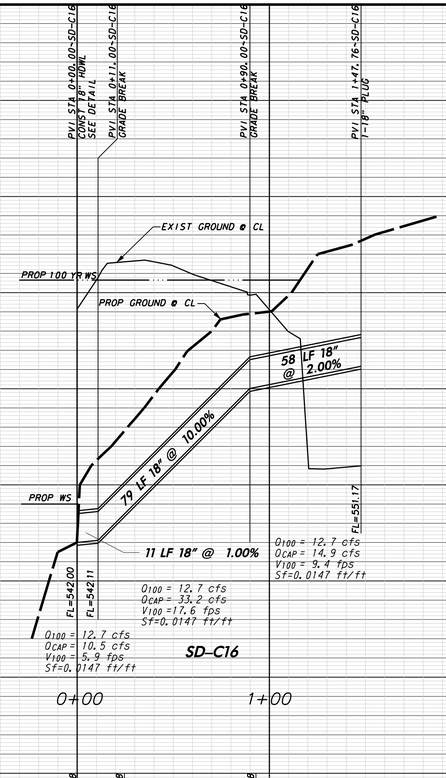
icon Consulting Engineers, Inc.
Civil Engineers - Designers - Planners
250 W. Southlake Blvd., Suite 117
Southlake, Tx 76092 (817) 552-6210

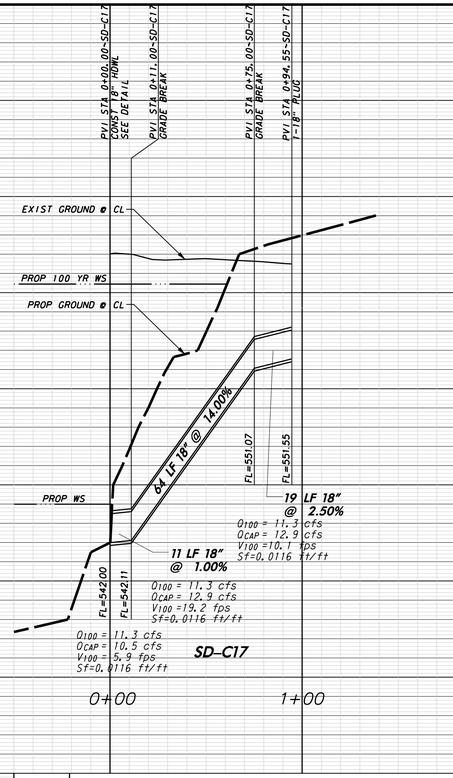
PROJECT	DESIGN	DRAWN	DATE	FILE	SHEET
5029-01	ICE	ICE	APR 26, 2010	PW# 2009-04	C402

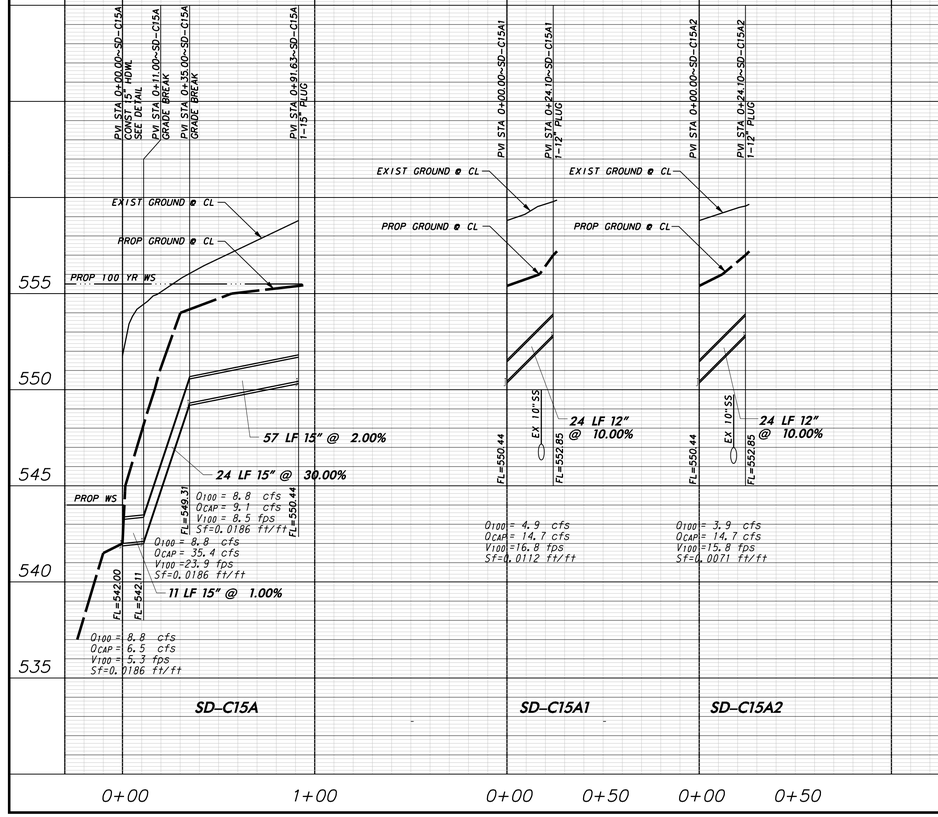
RECORD DRAWINGS 06/18/12

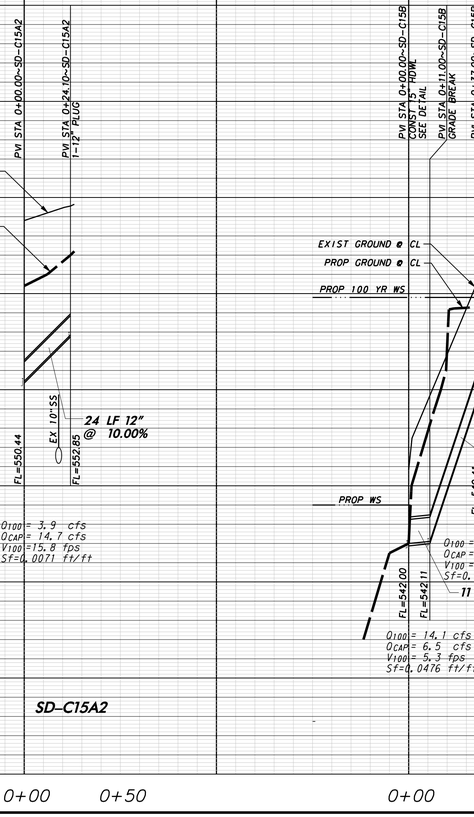
PARK AND STREETSCAPE IMPROVEMENTS - VITRUVIAN PARK

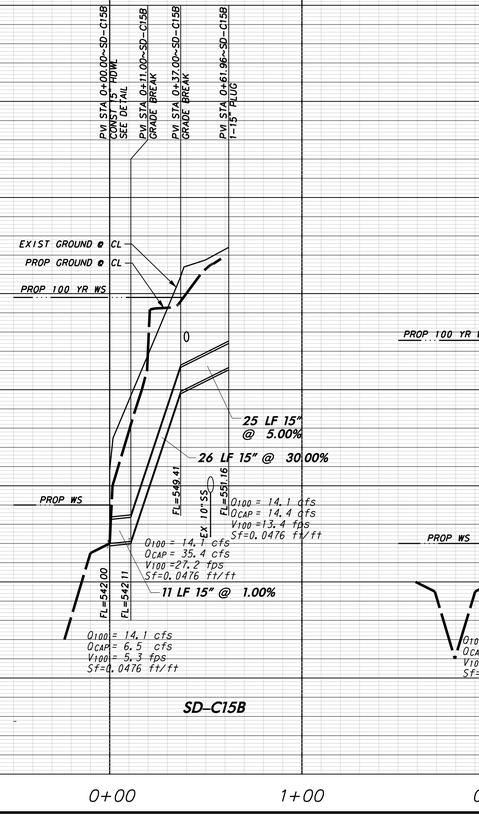


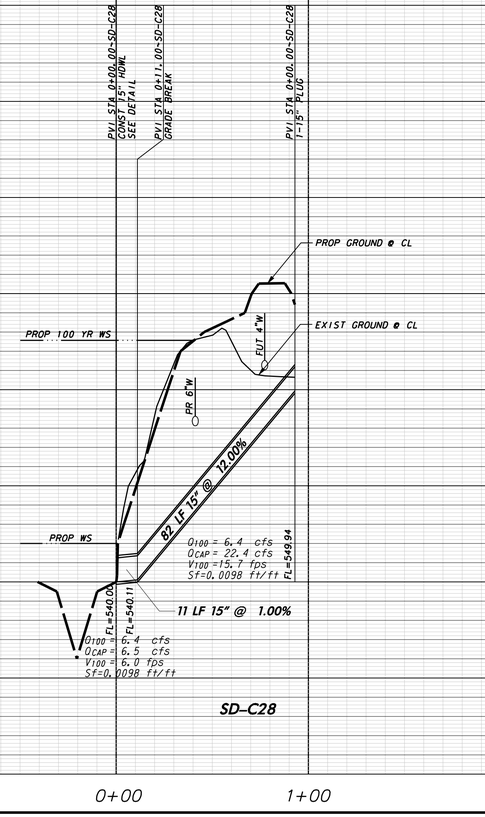












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PROFILE SCALE:

0 20 40 60 80
SCALE: 1"=40' HORIZ

0 2 4 6 8
SCALE: 1"=4' VERT

STATE OF TEXAS
BRUCE F. DUNNE
62654
LICENSED
PROFESSIONAL ENGINEER

NO.	REVISION	BY	DATE

TOWN OF ADDISON
DALLAS COUNTY, TEXAS

PARK AND STREETSCAPE IMPROVEMENTS
VITRUVIAN PARK

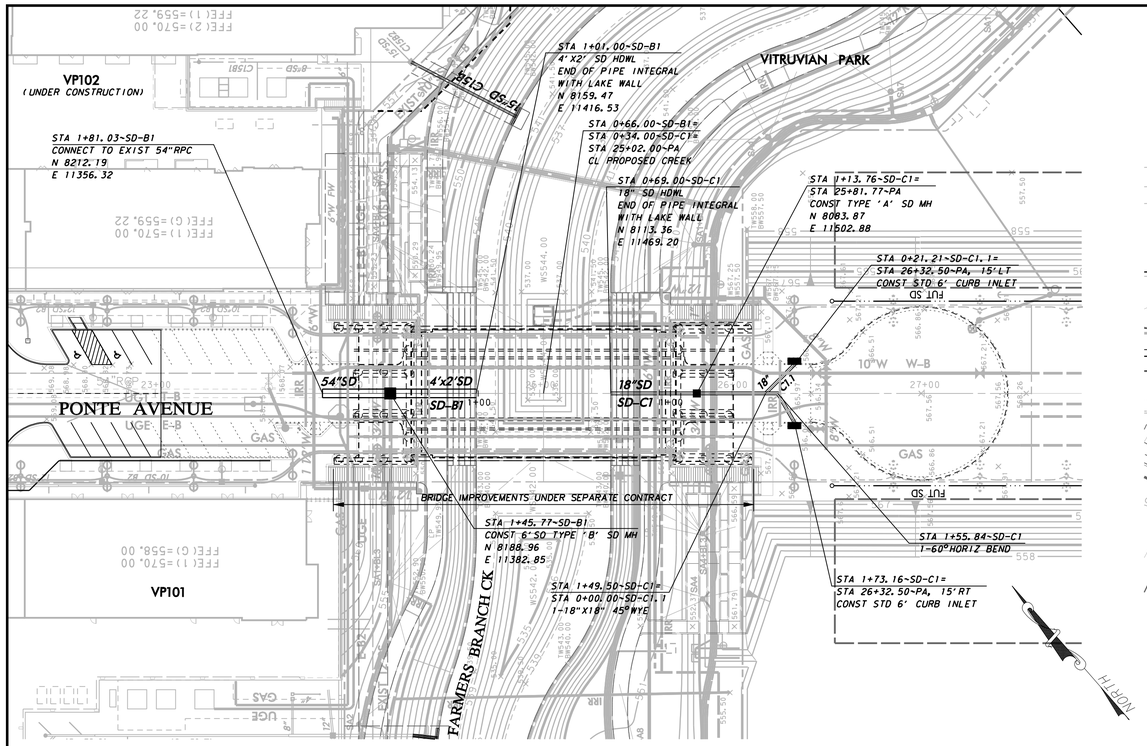
STORM DRAIN PROFILES

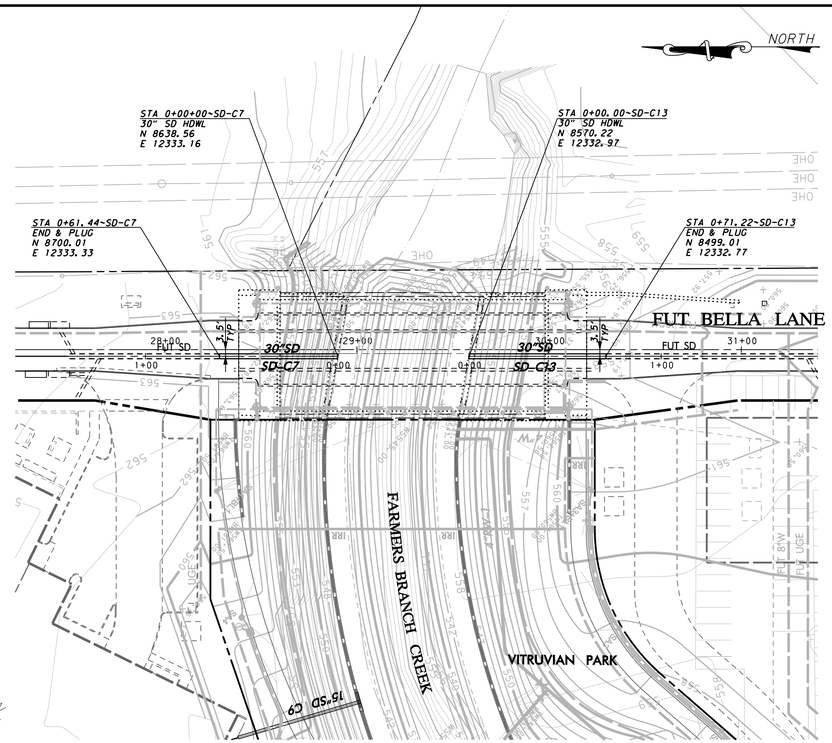
icon Consulting Engineers, Inc.
Civil Engineers - Designers - Planners
250 W. Southlake Blvd., Suite 117
Southlake, Tx 76092 (817) 552-6210

PROJECT	DESIGN	DRAWN	DATE	FILE	SHEET
5029-01	ICE	ICE	APR 26, 2010	PW # 2009-04	C403

PARK AND STREETSCAPE IMPROVEMENTS - VITRUVIAN PARK

RECORD DRAWINGS 06/18/12





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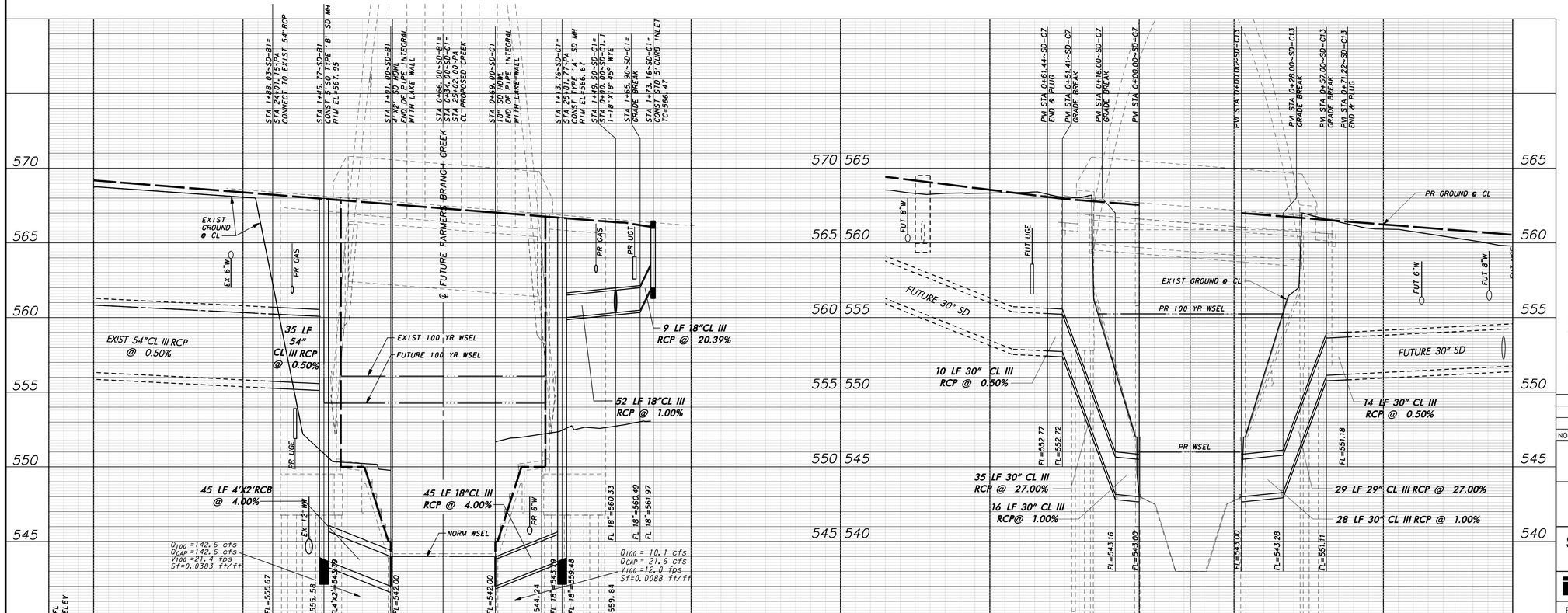
BM #2 REF. ELEVATION = 547.84
SQUARE CUT IN TOP OF CURB, NORTH MEDIAN END NOSE AT INTERSECTION OF VITRUVIAN WAY AND MARSH LANE.

0 20 40 60 80
GRAPHIC SCALE IN FEET
SCALE: 1"=40'



PROFILE SCALE:
0 20 40 60 80
SCALE: 1"=40' HORIZ
0 2 4 6 8
SCALE: 1"=4' VERT

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STATE OF TEXAS
BRUCE F. DUNNE
62654
LICENSED PROFESSIONAL ENGINEER
10/28/10

NO.	REVISION	BY	DATE

Addison

TOWN OF ADDISON
DALLAS COUNTY, TEXAS

PARK AND STREETSCAPE IMPROVEMENTS
VITRUVIAN PARK

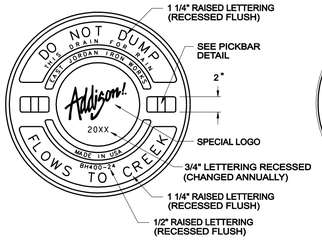
STORM DRAIN PLAN & PROFILE-PA & BL LINES B1 & C1 AND C7 & C13

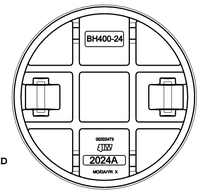
icon Consulting Engineers, Inc.
Civil Engineers - Designers - Planners
250 W. Southlake Blvd., Suite 117
Southlake, Tx 76092 (817) 552-6210

PROJECT	DESIGN	DRAWN	DATE	FILE	SHEET
5029-01	ICE	ICE	APR 26, 2010	PW# 2009-04	C404

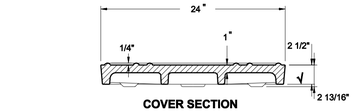
RECORD DRAWINGS 06/18/12

PARK AND STREETSCAPE IMPROVEMENTS - VITRUVIAN PARK

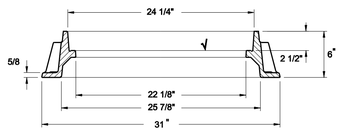




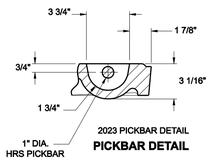
BOTTOM VIEW OF COVER



COVER SECTION



FRAME SECTION



PICKBAR DETAIL

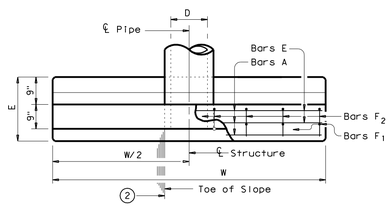
LOAD RATING	COATING	ESTIMATED WEIGHT	MATERIAL SPECIFICATION
HEAVY DUTY	DIPPED	COVER: 193 LBS FRAME: 151 LBS	COVER - GRAY IRON ASTM A48 CL35B FRAME - GRAY IRON ASTM A48 CL35B

√ DESIGNATES MACHINE SURFACE

CAST IRON FRAME AND COVER

ELEVATION

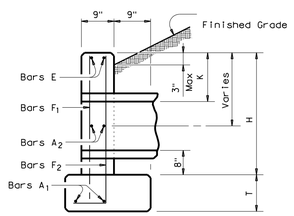
TABLE OF CONSTANT DIMENSIONS					
DIA. OF PIPE, D	W	K	H	T	E
12"	9'-0"	1'-0"	2'-8"	9"	1'-9"
15"	10'-3"	1'-0"	2'-11"	9"	1'-9"
18"	11'-6"	1'-0"	3'-2"	9"	1'-9"
21"	12'-9"	1'-0"	3'-5"	9"	2'-0"
24"	14'-0"	1'-0"	3'-8"	9"	2'-0"
30"	16'-6"	1'-0"	4'-2"	9"	2'-3"
36"	19'-0"	1'-0"	4'-8"	1'-0"	2'-6"
42"	21'-6"	1'-0"	5'-2"	1'-0"	2'-9"



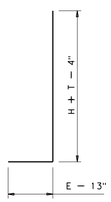
PLAN OF NON-SKEWED PIPE

TABLE OF REINFORCING STEEL (3)			
Bar	Size	Spa	No.
A1	# 5	~	2
A2	# 5	1'-6"	~
E	# 5	~	2
F	# 5	1'-0"	~

(3) Quantities shown are for one structure end. (One headwall)



℄ SECTION



BARS F_2

GENERAL NOTES:

Designed according to current AASHTO Standard and Interim Specifications.

Reinforcing steel shall be placed with the center of the outside layer of bars 2" from the surface of the concrete.

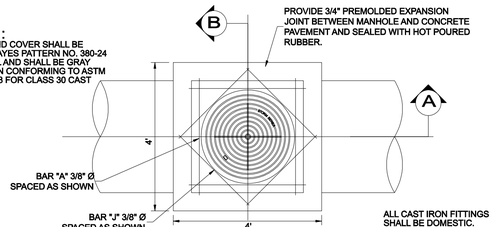
All concrete shall be Class "C" and shall have a minimum compressive strength of 3600 psi.

No bridge rails of any type may be mounted directly to these culvert headwalls.

CONCRETE HEADWALL WITH PARALLEL WINGS FOR NON-SKEWED PIPE CULVERT

NOT TO SCALE

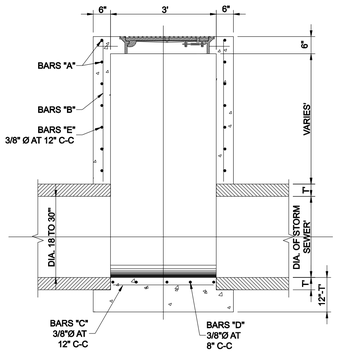
NOTE :
FRAME AND COVER SHALL BE BASS & HAYES PATTERN NO. 380-24 OR EQUAL AND SHALL BE GRAY CAST IRON CONFORMING TO ASTM SPEC. A-48 FOR CLASS 30 CAST IRON.



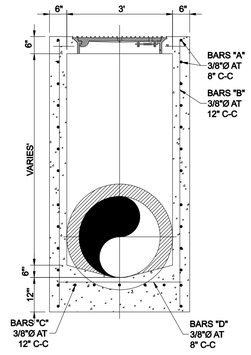
TYPE A & TYPE B STORM SEWER MANHOLE

NOTE : MAXIMUM PIPE SIZE TO BE USED 78"Ø

PLAN
N.T.S.



SECTION A
N.T.S.



SECTION B
N.T.S.

TYPE 'A' STORM DRAIN MANHOLE
N.T.S.

NOTE :
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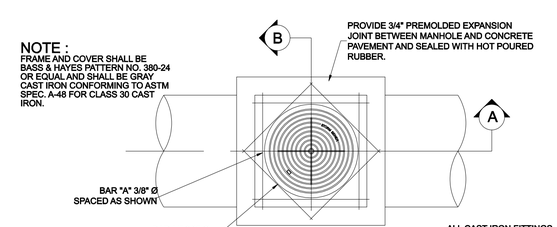
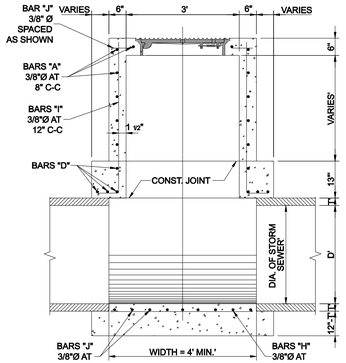


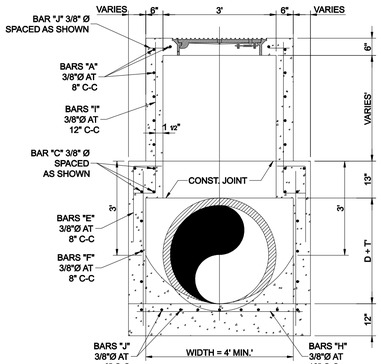
TYPE A & TYPE B STORM SEWER MANHOLE

NOTE : MAXIMUM PIPE SIZE TO BE USED 78"Ø

PLAN
N.T.S.

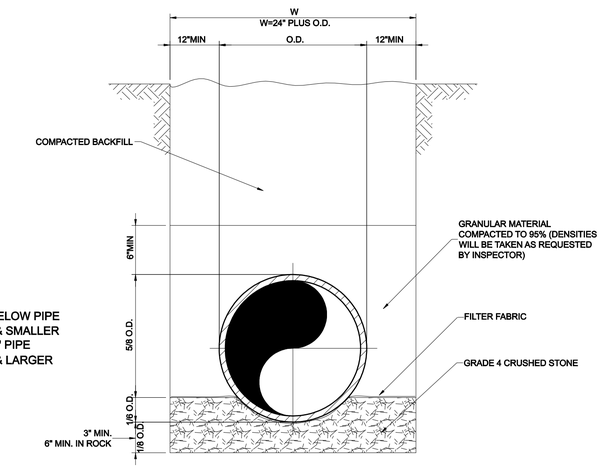


SECTION A
N.T.S.



SECTION B
N.T.S.

TYPE 'B' STORM DRAIN MANHOLE
N.T.S.



NOTE :
DEPTH OF TRENCH BELOW PIPE
3" MIN. FOR 27" PIPE & SMALLER
4" MIN. FOR 30" TO 60" PIPE
6" MIN. FOR 66" PIPE & LARGER

RCP STORM SEWER PIPE BEDDING

NO.	REVISION	BY	DATE

Addison

TOWN OF ADDISON
DALLAS COUNTY, TEXAS

PARK AND STREETSCAPE IMPROVEMENTS
VITRUVIAN PARK

STORM DRAIN DETAILS

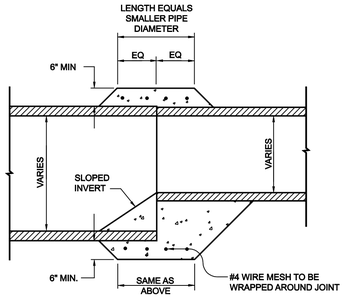
icon Consulting Engineers, Inc.
Civil Engineers - Designers - Planners
250 W. Southlake Blvd., Suite 117
Southlake, Tx 76092 (817) 552-6210

PROJECT	DESIGN	DRAWN	DATE	FILE	SHEET
5029-01	ICE	ICE	APR 26, 2010	PW# 2009-04	C405

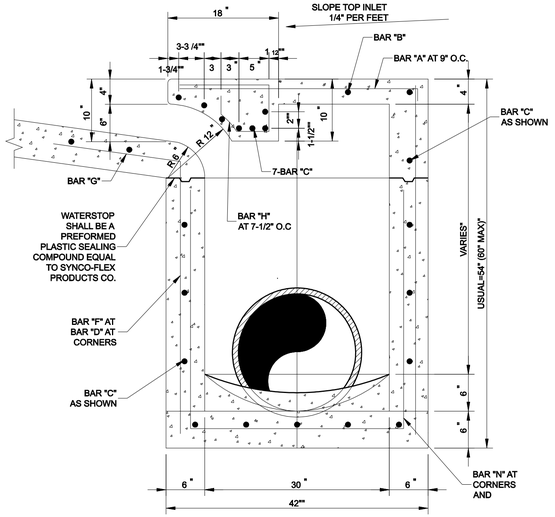
PARK AND STREETSCAPE IMPROVEMENTS – VITRUVIAN PARK

RECORD DRAWINGS 06/18/12

NOTES
1. THIS PROCEDURE/DETAIL WILL ONLY BE USED WHEN 1 PREFAB REDUCTION IS NOT POSSIBLE.
2. CONCRETE FOR COLLAR WILL NOT BE PAID FOR DIRECTLY, BUT WILL BE CONSIDERED SUBSIDIARY TO THE VARIOUS OTHER BIDS.
3. CONCRETE SHALL BE 5 SACK 3000 PSI.

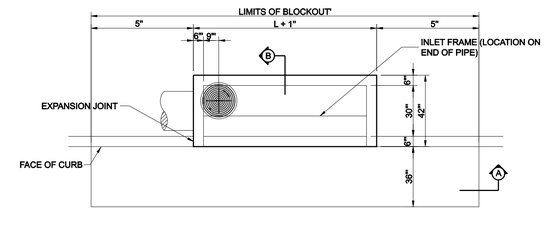


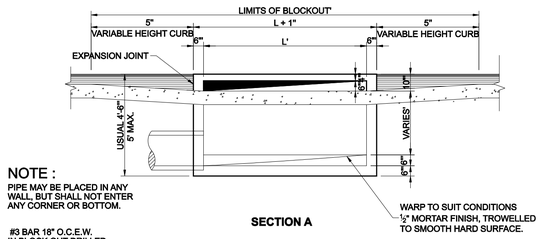
PIPE COLLAR DETAIL



SECTION B

STANDARD CURB INLET
6, 8 AND 10 FOOT
N.T.S.





NOTE :
PIPE MAY BE PLACED IN ANY WALL, BUT SHALL NOT ENTER ANY CORNER OR BOTTOM.

#3 BAR 18" O.C.E.W. IN BLOCK OUT DRILLED INTO EXISTING CONCRETE.

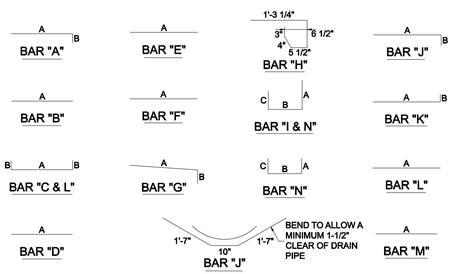
SECTION A

STANDARD CURB INLET
6, 8 AND 10 FOOT
N.T.S.

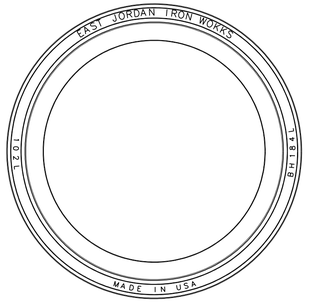
REINFORCING STEEL SCHEDULE
DIMENSIONS ARE FOR MAXIMUM SIZE INLETS

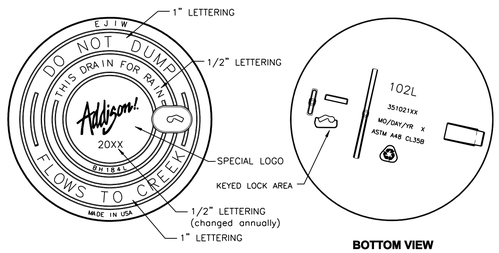
INLET LENGTH	BAR TYPE	BAR DIA. (1/8")	NO. REQ'D.	BAR DIMENSIONS A	B	C	INLET LENGTH	BAR TYPE	BAR DIA. (1/8")	NO. REQ'D.	BAR DIMENSIONS A	B	C
6'	A	3	15	3'-2"	0'-6"	–	8'	A	3	19	3'-2"	0'-6"	–
	B	3	2	11'-6"	–	–		B	3	2	15'-6"	–	–
	C	4	16	13'-4"	0'-6"	–		C	4	16	17'-4"	0'-6"	–
	D	4	9	4'-8"	–	–		D	4	9	4'-8"	–	–
	E	5	6	13'-4"	–	–		E	5	6	17'-4"	–	–
	F	4	5	1'-2"	–	–		F	4	5	1'-2"	–	–
	G	3	12	2'-0"	1'-3"	–		G	3	12	2'-0"	1'-3"	–
	H	3	26	*	*	*		H	3	26	*	*	*
	I	4	12	4'-8"	3'-2"	3'-2"		I	4	16	4'-8"	3'-2"	3'-2"
	J	5	1	*	*	*		J	5	1	*	*	*
	K	5	6	3'-2"	0'-6"	–		K	5	6	3'-2"	0'-6"	–
	L	4	11	3'-2"	0'-6"	–		L	4	11	3'-2"	0'-6"	–
	M	4	2	3'-0"**	–	–		M	4	2	3'-0"**	–	–
	N	4	2	4'-8"	3'-2"	4'-8"		N	4	2	4'-8"	3'-2"	4'-8"
7'	A	3	17	3'-2"	0'-6"	–	10'	A	3	23	3'-2"	0'-6"	–
	B	3	2	13'-6"	–	–		B	3	2	19'-6"	–	–
	C	4	16	15'-4"	0'-6"	–		C	4	16	21'-4"	0'-6"	–
	D	4	9	4'-8"	–	–		D	4	9	4'-8"	–	–
	E	5	6	15'-4"	–	–		E	5	6	21'-4"	–	–
	F	4	5	1'-2"	–	–		F	4	5	1'-2"	–	–
	G	3	15	2'-0"	1'-3"	–		G	3	15	2'-0"	1'-3"	–
	H	3	32	*	*	*		H	3	32	*	*	*
	I	4	14	4'-8"	3'-2"	3'-2"		I	4	20	4'-8"	3'-2"	3'-2"
	J	5	1	*	*	*		J	5	1	*	*	*
	K	5	6	3'-2"	0'-6"	–		K	5	6	3'-2"	0'-6"	–
	L	4	11	3'-2"	0'-6"	–		L	4	11	3'-2"	0'-6"	–
	M	4	2	3'-0"**	–	–		M	4	2	3'-0"**	–	–
	N	4	2	4'-8"	3'-2"	4'-8"		N	4	2	4'-8"	3'-2"	4'-8"

* SEE DIAGRAM FOR DIMENSION
** FIELD CUT AS REQUIRED TO ACCOMMODATE DRAIN PIPE

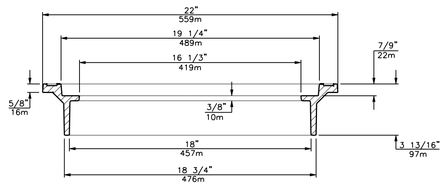


BAR DIAGRAMS

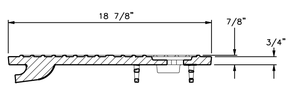




BOTTOM VIEW



RING SECTION



COVER SECTION

LOAD RATING	COATING	ESTIMATED WEIGHT	MATERIAL SPECIFICATION
LIGHT DUTY INLET COVER NON-TRAFFIC INLET RING	DIPPED	COVER: 60 LBS FRAME: 151 LBS	COVER - GRAY IRON ASTM A48 CL35B FRAME - GRAY IRON ASTM A48 CL35B

√ DESIGNATES MACHINE SURFACE

INLET FRAME AND COVER

GENERAL NOTES

1. ALL CONCRETE DRAINAGE STRUCTURES SHALL HAVE A MINIMUM COMPRESSED STRENGTH OF 3600 P.S.I.
2. ALL CRUSHED STONE SHALL BE 3/4", PASSING #4 SIEVE.
3. ALL FIELD JOINTS WILL BE APPROVED BY THE CITY ENGINEER IF NECESSARY. FIELD JOINTS SHALL BE WIPED ON THE INSIDE AND OUTSIDE TO PROVIDE FOR SMOOTH FLOW OF WATER.
4. RAMNECK COMPOUND OR APPROVED EQUAL SHALL BE USED FOR JOINT SEALS.
5. ALL STORM SEWER PIPE SHALL BE CAMERA INSPECTED AFTER THE INSTALLATION OF ALL PAVING, UTILITIES, AND PRIOR TO FINAL ACCEPTANCE OF THE PROJECT.

STATE OF TEXAS
BRUCE F. DUNNE
62654
LICENSED PROFESSIONAL ENGINEER

NO.	REVISION	BY	DATE

Addison
TOWN OF ADDISON
DALLAS COUNTY, TEXAS

PARK AND STREETSCAPE IMPROVEMENTS
VITRUVIAN PARK

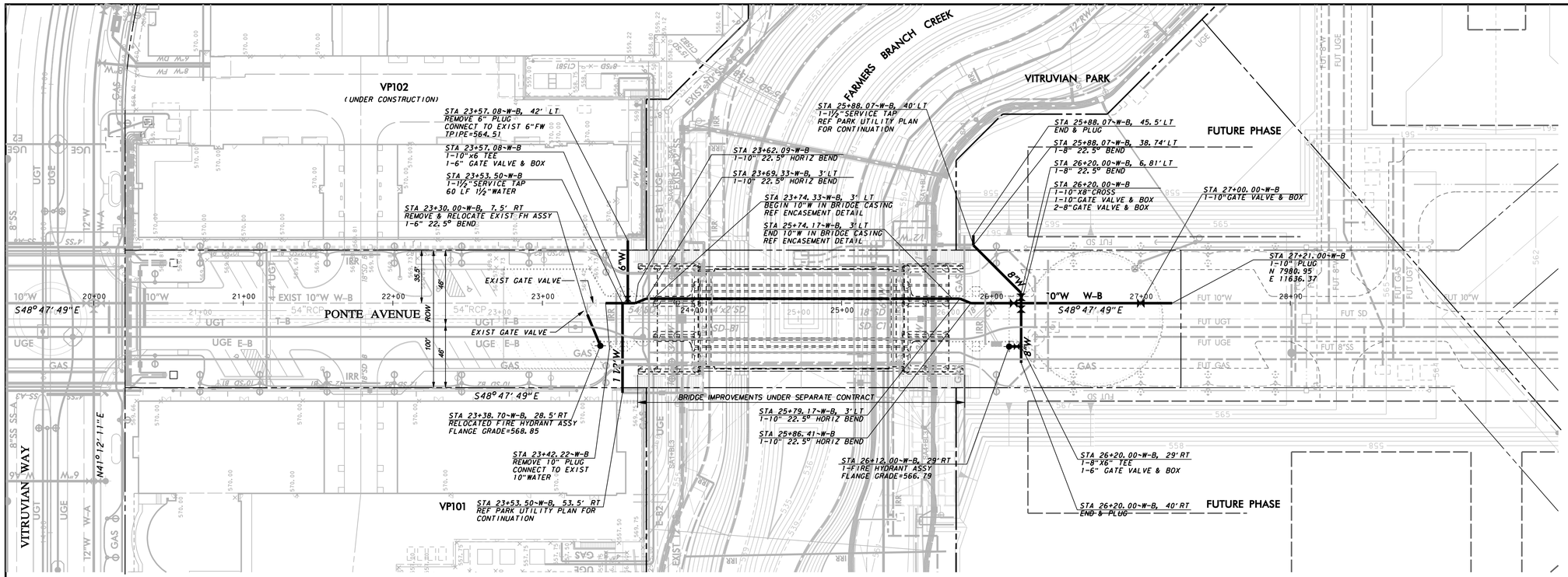
STORM DRAIN DETAILS

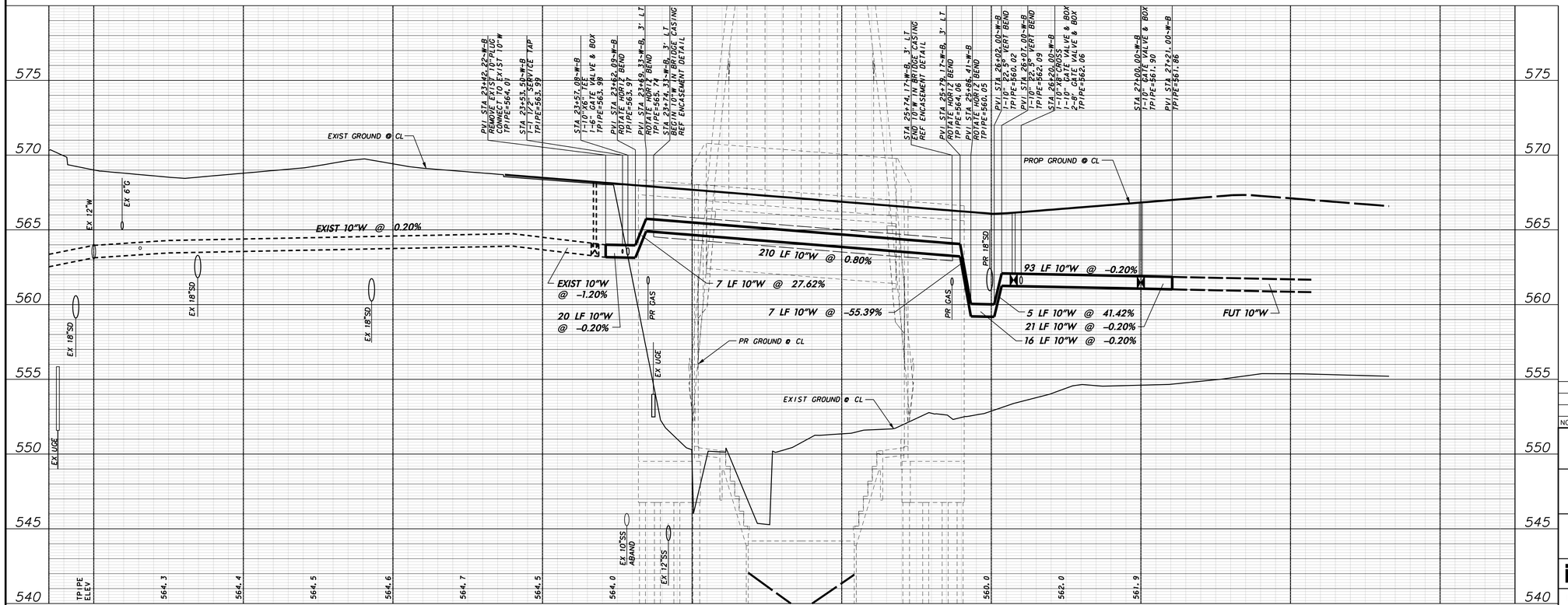
icon Consulting Engineers, Inc.
Civil Engineers - Designers - Planners
250 W. Southlake Blvd., Suite 117
Southlake, Tx 76092 (817) 552-6210

PROJECT	DESIGN	DRAWN	DATE	FILE	SHEET
5029-01	ICE	ICE	APR 26, 2010	PW# 2009-04	C406

PARK AND STREETSCAPE IMPROVEMENTS – VITRUVIAN PARK

RECORD DRAWINGS 06/18/12





WARNING

CONTRACTOR IS TO CONTACT TEXAS ONE-CALL SYSTEM (1-800-245-4545) OR OTHER UTILITY LOCATING SERVICES AT LEAST 48 HOURS PRIOR TO CONSTRUCTION ACTIVITIES. ICON CONSULTING ENGINEERS, INC. IS NOT RESPONSIBLE FOR KNOWING ALL EXISTING UTILITIES IN THE PROJECT AREA NOR FOR DEPICTING THE EXACT LOCATIONS OF UTILITIES ON THESE DRAWINGS.

BRUCE F. DUNNE
62654
LICENSED
PROFESSIONAL ENGINEER
STATE OF TEXAS

NO.	REVISION	BY	DATE

TOWN OF ADDISON
DALLAS COUNTY, TEXAS

PARK AND STREETSCAPE IMPROVEMENTS
VITRUVIAN PARK

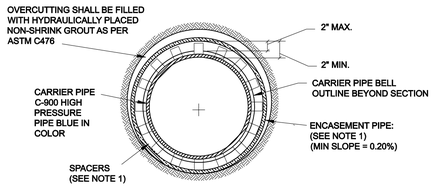
WATER LINE PLAN & PROFILE-PA
LINE B-STA. 23+42.22 TO 27+21.00

icon Consulting Engineers, Inc.
Civil Engineers - Designers - Planners
250 W. Southlake Blvd., Suite 117
Southlake, Tx 76092 (817) 552-6210

PROJECT	DESIGN	DRAWN	DATE	FILE	SHEET
5029-01	ICE	ICE	APR 26, 2010	PW # 2009-04	C407

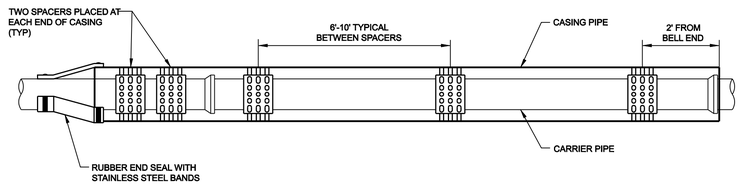
RECORD DRAWINGS 06/18/12

PARK AND STREETSCAPE IMPROVEMENTS - VITRUVIAN PARK



SECTION

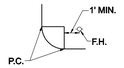
NOTES:
(1) HIGH DENSITY POLYETHYLENE SPACERS, RACI OR EQUAL, SHALL BE USED. WHERE NO CASING PIPE IS REQUIRED OVERCUTTING AROUND UTILITY SHALL BE FILLED WITH HYDRAULICALLY PLACED NON-SHRINK GROUT AS PER ASTM C476.
(2) END GROUTING FOR ALL ENCASEMENTS SHALL BE AS PER ASTM STANDARD C476 (1:7 GROUT WITH 5% TO 40% AIR ENTRAINMENT). GROUT SHALL BE PLACED BY HYDRAULIC PUMP FROM THE LOWER END OF THE ENCASEMENT PIPE, THEREBY INSURING COMPLETE FILLING OF ENCASEMENT PIPE.
(3) ENCASEMENT PIPE SHALL BE EITHER DUCTILE IRON PIPE OR HIGH DENSITY STEEL PIPE. ALL JOINTS TO BE WELDED 100%.



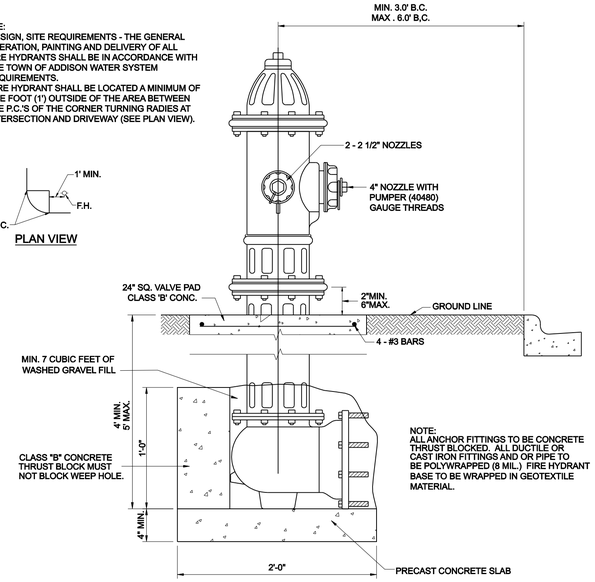
INSULATOR SPACING DETAIL

WATER MAIN ENCASEMENT

NOTE:
1. DESIGN, SITE REQUIREMENTS - THE GENERAL OPERATION, PAINTING AND DELIVERY OF ALL FIRE HYDRANTS SHALL BE IN ACCORDANCE WITH THE TOWN OF ADDISON WATER SYSTEM REQUIREMENTS.
2. FIRE HYDRANT SHALL BE LOCATED A MINIMUM OF ONE FOOT (1') OUTSIDE OF THE AREA BETWEEN THE P.C.'S OF THE CORNER TURNING RADIES AT INTERSECTION AND DRIVEWAY (SEE PLAN VIEW).

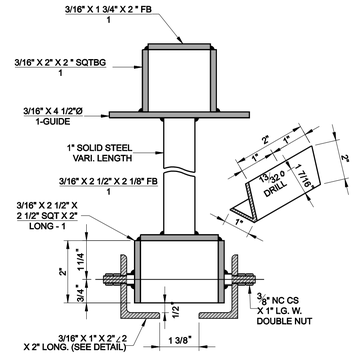


PLAN VIEW



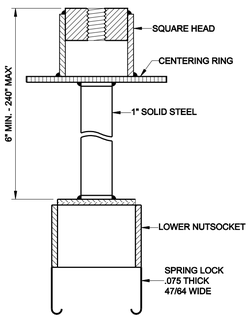
NOTE:
ALL ANCHOR FITTINGS TO BE CONCRETE THRUST BLOCKED. ALL DUCTILE OR CAST IRON FITTINGS AND OR PIPE TO BE POLYWRAPPED (8 MIL.) FIRE HYDRANT BASE TO BE WRAPPED IN GEOTEXTILE MATERIAL.

TYPICAL FIRE HYDRANT INSTALLATION

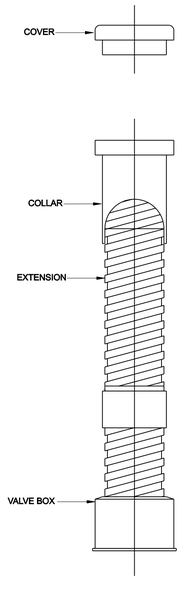


NOTE: TO BE USED ON ALL VALVES DEEPER THAN 5'-0".

TYPE - B
VALVE EXTENSION

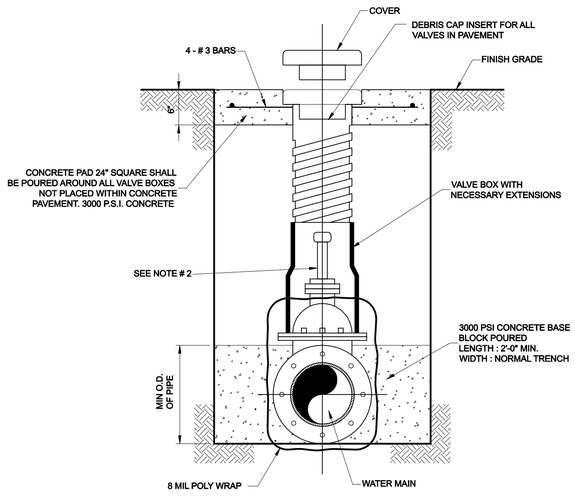


SPRING LOCK
VALVE EXTENSION



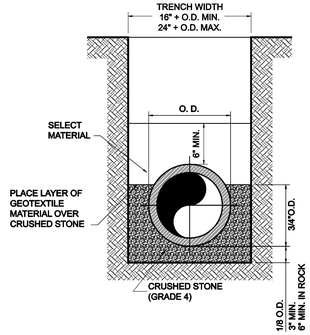
VALVE BOX WITH EXTENSION

ALL CAST IRON FITTINGS SHALL BE DOMESTIC.



TYPICAL VALVE SETTING & BOX

NOTE:
1. 4"-12" R.S. GATE VALVES SHALL BE IN ACCORDANCE WITH TOWN OF ADDISON WATER SYSTEM REQUIREMENTS AND AWWA STD C509. ALL VALVES SHALL BE MUELLER OR APPROVED EQUAL.
2. A PERMANENTLY ATTACHED VALVE EXTENSION STEM SHALL BE REQUIRED FOR ANY VALVE THATS OPERATING NUT IS LOCATED IN EXCESS OF 5 FEET BELOW THE TOP OF VALVE BOX. THIS EXTENSION SHALL BE OF SUFFICIENT LENGTH TO INSURE THAT ITS TOP IS WITHIN 5 FEET OF VALVE BOX LID.
3. BLUE DOT (3") ON NEAREST CURB FACE TO VALVE.
4. ALL IRON MATERIALS SHALL BE DOMESTIC.



CRUSHED STONE SHALL BE 3/4", PASSING # 4 SIEVE

CLASS "B+" EMBEDMENT

TYPICAL BACKFILL WATER MAIN
P.V.C. WATER PIPE

NO.	REVISION	BY	DATE

TOWN OF ADDISON
DALLAS COUNTY, TEXAS

PARK AND STREETSCAPE IMPROVEMENTS
VITRUVIAN PARK

UTILITY DETAILS

icon Consulting Engineers, Inc.
Civil Engineers - Designers - Planners
250 W. Southlake Blvd., Suite 117
Southlake, Tx 76092 (817) 552-6210

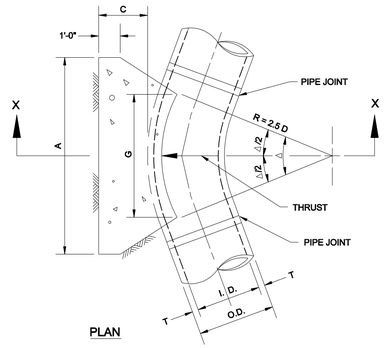
PROJECT	DESIGN	DRAWN	DATE	FILE	SHEET
5029-01	ICE	ICE	APR 26, 2010	PW# 2009-04	C408

PARK AND STREETSCAPE IMPROVEMENTS - VITRUVIAN PARK

RECORD DRAWINGS 06/18/12

I.D. (IN.)	Δ= 30° G (FT.)	THRUST (TONS)	EARTH A (FT.)	EARTH B (FT.)	EARTH VOL. (C.Y.)	ROCK A (FT.)	ROCK B (FT.)	ROCK VOL. (C.Y.)	I.D. (IN.)	Δ= 45° G (FT.)	THRUST (TONS)	EARTH A (FT.)	EARTH B (FT.)	EARTH VOL. (C.Y.)	ROCK A (FT.)	ROCK B (FT.)	ROCK VOL. (C.Y.)
4,6,8	1.0	2.6	2.0	1.5	0.2	1.0	1.5	0.1	4,6,8	1.5	3.9	2.0	2.0	0.2	1.5	1.5	0.1
10,12	1.5	5.9	2.5	2.5	0.3	2.0	1.5	0.2	10,12	2.2	8.7	3.5	2.5	0.5	2.0	2.5	0.3
16,18	2.2	13.2	3.5	4.0	0.8	2.5	3.0	0.4	16,18	3.2	19.5	4.5	4.5	1.2	3.0	3.5	0.6
20	2.4	16.3	4.5	4.0	1.0	3.0	3.0	0.5	20	3.6	24.1	5.5	4.5	1.5	3.5	3.5	0.7
24	2.9	23.4	6.0	4.0	1.4	3.5	3.5	0.7	24	4.3	34.6	8.0	4.5	2.3	4.5	4.0	1.1
30	3.6	27.5	6.5	5.0	1.9	3.5	4.0	0.9	30	5.4	40.6	8.5	5.0	3.2	5.5	4.0	1.6
36	4.4	39.5	7.0	6.0	3.4	4.5	4.5	1.6	36	6.5	58.5	10.0	6.0	5.3	6.5	4.5	2.6
42	5.1	53.8	8.0	7.0	5.1	5.5	5.0	2.5	42	7.5	79.6	11.5	7.0	8.1	8.0	5.0	4.2
48	5.8	70.3	9.0	8.0	7.4	6.0	6.0	3.7	48	8.6	104.0	13.0	8.0	11.9	9.0	6.0	6.3
54	6.5	89.0	10.0	9.0	10.3	7.0	6.5	5.3	54	9.7	131.5	15.0	9.0	17.1	10.5	6.5	8.9
60	7.3	110.0	11.0	10.0	13.9	7.5	7.5	7.3	60	10.7	162.4	16.5	10.0	23.1	11.0	7.5	12.0
66	8.0	132.9	12.5	11.0	18.9	8.5	8.0	9.6	66	11.8	196.5	18.0	11.0	30.1	12.0	8.5	16.2
72	8.7	158.2	13.5	12.0	24.0	9.0	9.0	12.3	72	12.9	233.9	19.5	12.0	38.6	14.0	8.5	20.7
78	9.4	185.6	14.5	13.0	30.0	10.0	9.5	15.6	78	13.9	274.5	21.5	13.0	49.8	14.5	9.5	25.9
84	10.1	215.3	15.5	14.0	37.1	10.5	10.5	19.5	84	15.0	318.4	23.0	14.0	61.2	15.5	10.5	32.6
90	10.9	247.1	16.5	15.0	45.0	11.5	11.0	23.9	90	16.1	365.5	24.5	15.0	74.5	17.5	10.5	39.6
96	11.6	281.2	18.0	16.0	55.5	12.5	11.5	28.9	96	17.1	415.6	26.0	16.0	89.5	18.5	11.5	48.5

I.D. (IN.)	T (IN.)	Δ = 11.25° (FT.)	Δ ≥ 22.50° (FT.)	E (FT.)
4,6,8	0.4	1.5	1.5	0.9
10,12	0.5	1.5	1.5	1.2
16,18	0.6	1.5	1.5	1.6
20	0.7	1.5	1.5	1.8
24	0.9	1.5	1.5	2.1
30	2.9	1.5	1.9	2.6
36	4.5	1.5	2.3	3.3
42	5.0	1.8	2.6	3.8
48	5.5	2.0	3.0	4.3
54	6.0	2.3	3.4	4.8
60	6.5	2.5	3.8	5.3
66	6.8	2.8	4.1	5.7
72	7.5	3.0	4.5	6.3
78	7.5	3.3	4.9	6.7
84	8.0	3.5	5.3	7.2
90	8.5	3.8	5.6	7.7
96	9.0	4.0	6.0	8.2



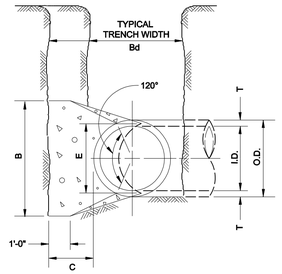
PLAN

I.D. (IN.)	Δ= 67.50° G (FT.)	THRUST (TONS)	EARTH A (FT.)	EARTH B (FT.)	EARTH VOL. (C.Y.)	ROCK A (FT.)	ROCK B (FT.)	ROCK VOL. (C.Y.)	I.D. (IN.)	Δ= 90° G (FT.)	THRUST (TONS)	EARTH A (FT.)	EARTH B (FT.)	EARTH VOL. (C.Y.)	ROCK A (FT.)	ROCK B (FT.)	ROCK VOL. (C.Y.)
4,6,8	2.1	5.6	3.0	2.0	0.3	2.0	1.5	0.2	4,6,8	2.7	7.1	5.0	1.5	0.4	2.0	2.0	0.2
10,12	3.1	12.6	5.5	2.5	0.8	3.5	2.0	0.4	10,12	4.0	16.0	6.5	2.5	1.0	3.5	2.5	0.5
16,18	4.7	28.3	7.5	4.0	1.9	5.5	3.0	0.9	16,18	6.0	36.0	9.0	4.0	2.4	4.5	4.0	1.0
20	5.2	34.9	9.0	4.0	2.3	5.5	3.5	1.2	20	6.6	44.4	10.0	4.5	3.1	6.0	4.0	1.5
24	6.2	50.3	11.5	4.5	3.5	6.5	4.0	1.6	24	7.9	64.0	14.5	4.5	5.0	8.0	4.0	2.1
30	7.8	58.9	12.0	5.0	4.8	7.5	4.0	2.2	30	9.9	75.0	15.0	5.0	6.7	10.0	4.0	3.3
36	9.4	84.9	14.5	6.0	8.2	9.5	4.5	3.8	36	11.9	108.0	18.0	6.0	11.4	12.0	4.5	5.3
42	10.9	115.5	17.0	7.0	12.8	11.0	5.5	6.3	42	13.9	147.0	21.0	7.0	17.8	14.0	5.5	8.7
48	12.5	150.9	19.0	8.0	18.4	13.0	6.0	9.2	48	15.9	192.0	24.0	8.0	26.2	16.0	6.0	12.4
54	14.0	191.0	21.5	9.0	26.0	15.0	6.5	12.9	54	17.9	243.0	27.0	9.0	36.9	18.0	7.0	18.1
60	15.6	235.8	24.0	10.0	35.6	16.0	7.5	17.6	60	19.9	299.8	30.0	10.0	50.3	20.0	7.5	24.0
66	17.1	285.3	26.0	11.0	46.0	18.0	8.0	23.0	66	21.8	362.8	33.0	11.0	66.2	22.0	8.5	32.5
72	18.7	339.5	28.5	12.0	57.8	19.0	9.0	28.4	72	23.8	431.8	36.0	12.0	85.6	24.0	9.0	41.0
78	20.2	398.5	31.0	13.0	75.7	21.0	9.5	37.4	78	25.7	506.7	39.0	13.0	108.2	26.0	10.0	53.2
84	21.8	462.1	33.5	14.0	94.7	22.0	10.5	46.5	84	27.7	587.7	42.0	14.0	134.4	28.0	10.5	64.8
90	23.3	530.5	35.5	15.0	114.4	24.5	11.0	58.2	90	29.0	674.6	45.0	15.0	164.9	30.0	11.5	81.2
96	24.9	603.6	38.0	16.0	138.9	25.5	12.0	70.0	96	31.6	767.5	48.0	16.0	199.0	32.0	12.0	95.1

TABLES OF DIMENSIONS AND QUANTITIES

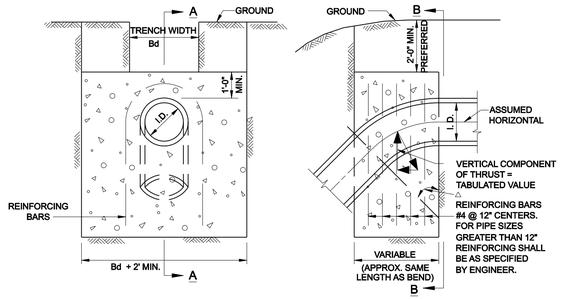
I.D. (IN.)	Δ= 11.25° G (FT.)	THRUST (TONS)	EARTH A (FT.)	EARTH B (FT.)	EARTH VOL. (C.Y.)	ROCK A (FT.)	ROCK B (FT.)	ROCK VOL. (C.Y.)	I.D. (IN.)	Δ≥ 22.50° G (FT.)	THRUST (TONS)	EARTH A (FT.)	EARTH B (FT.)	EARTH VOL. (C.Y.)	ROCK A (FT.)	ROCK B (FT.)	ROCK VOL. (C.Y.)
4,6,8	0.4	1.0	1.0	1.5	0.1	1.0	1.0	0.1	4,6,8	0.8	2.0	1.5	1.5	0.1	1.0	1.0	0.1
10,12	0.6	2.2	1.5	1.5	0.1	1.0	1.5	0.1	10,12	1.1	4.4	2.0	2.5	0.3	1.5	1.5	0.1
16,18	0.8	5.0	2.0	2.5	0.3	1.5	2.0	0.2	16,18	1.6	9.9	3.0	3.5	0.6	2.0	2.5	0.3
20	0.9	6.2	2.0	3.5	0.4	1.5	3.0	0.3	20	1.8	12.3	3.5	3.5	0.7	2.0	3.0	0.4
24	1.1	8.9	3.0	3.5	0.5	1.5	3.0	0.3	24	2.2	17.7	4.0	4.5	1.0	3.0	3.5	0.5
30	1.4	10.4	3.0	3.5	0.6	2.0	3.5	0.4	30	2.7	20.7	5.0	4.5	1.5	3.0	4.0	0.8
36	1.7	15.0	3.5	4.5	0.9	2.0	4.0	0.5	36	3.3	29.8	5.5	5.5	2.3	4.0	4.0	1.3
42	1.9	20.4	4.5	5.0	1.5	2.5	5.0	0.8	42	3.8	40.5	7.0	6.0	3.9	4.5	5.0	2.1
48	2.2	26.6	4.5	6.0	2.0	2.5	6.0	1.1	48	4.4	52.9	8.0	7.0	5.7	4.5	6.0	2.8
54	2.5	33.7	6.0	6.0	3.0	3.0	6.0	1.4	54	4.9	67.0	9.0	8.0	8.0	6.0	6.0	4.1
60	2.7	41.6	6.0	7.0	3.8	3.0	7.0	1.8	60	5.5	82.7	9.5	9.0	10.6	6.0	7.0	5.3
66	3.0	50.3	6.5	8.0	5.1	3.5	8.0	2.7	66	6.0	100.1	10.5	10.0	14.1	6.5	8.0	7.2
72	3.3	59.9	7.5	8.0	6.3	4.0	8.0	3.3	72	6.6	119.1	11.0	11.0	17.6	7.5	8.0	9.1
78	3.6	70.2	8.0	9.0	8.1	4.0	9.0	3.9	78	7.1	139.8	12.0	12.0	22.5	8.0	9.0	11.7
84	3.8	81.5	8.5	10.0	10.3	4.5	10.0	5.3	84	7.6	162.1	13.0	12.5	27.2	8.5	10.0	14.8
90	4.1	93.5	9.5	10.0	12.2	5.0	10.0	6.3	90	8.2	186.1	14.0	13.5	33.7	9.5	10.0	17.7
96	4.4	106.4	10.0	11.0	15.0	5.0	11.0	7.4	96	8.7	211.7	15.0	14.5	41.2	10.0	11.0	21.8

TABLES OF DIMENSIONS AND QUANTITIES



SECTION X-X

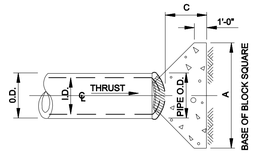
HORIZONTAL THRUST BLOCK



ELEVATION "B-B" SECTION "A-A"

Δ → / I.D. (IN.)	11.25° THRUST (TONS)	11.25° VOL. (C.Y.)	22.50° THRUST (TONS)	22.50° VOL. (C.Y.)	30° THRUST (TONS)	30° VOL. (C.Y.)	45° THRUST (TONS)	45° VOL. (C.Y.)	67.50° THRUST (TONS)	67.50° VOL. (C.Y.)	90° THRUST (TONS)	90° VOL. (C.Y.)	← Δ / I.D. (IN.)
4,6,8	1.0	0.5	2.0	1.0	2.5	1.3	3.6	1.8	4.6	2.3	5.0	2.5	4,6,8
10,12	2.2	1.1	4.3	2.2	5.7	2.8	8.0	4.0	10.5	5.2	11.3	5.7	10,12
16,18	5.0	2.5	9.7	4.9	12.7	6.4	18.0	9.0	23.5	11.8	25.5	12.7	16,18
20	6.1	3.1	12.0	6.0	15.7	7.9	22.2	11.1	29.2	14.5	31.4	15.7	20
24	8.2	4.4	17.3	8.7	22.6	11.3	32.0	16.0	41.8	20.9	45.2	22.6	24
30	10.5	5.2	20.3	10.1	26.5	13.3	37.5	18.8	49.0	24.5	53.1	26.5	30
36	14.9	7.5	29.2	14.6	38.2	19.1	54.0	27.0	70.5	35.3	76.4	38.2	36
42	20.3	10.1	39.8	19.9	52.0	26.0	73.5	36.7	96.0	48.0	104.0	52.0	42
48	26.5	13.2	51.9	26.0	67.9	33.9	96.0	48.0	126.0	62.7	136.0	67.9	48
54	33.5	16.8	65.7	32.9	85.9	42.9	122.0	60.7	159.0	79.4	172.0	85.9	54
60	41.4	20.7	81.2	40.6	106.0	53.0	150.0	75.0	196.0	98.0	212.0	106.0	60
66	50.1	25.0	98.2	49.1	128.0	64.2	182.0	90.7	237.0	119.0	257.0	128.0	66
72	59.6	29.8	117.0	58.4	153.0	76.3	216.0	108.0	282.0	141.0	305.0	153.0	72
78	69.9	35.0	137.0	68.6	179.0	90.0	254.0	127.0	331.0	166.0	358.0	179.0	78
84	81.1	40.5	159.0	79.5	208.0	104.0	294.0	147.0	384.0	192.0	416.0	208.0	84
90	93.1	46.5	183.0	91.3	239.0	119.0	337.0	169.0	441.0	221.0	477.0	239.0	90
96	106.0	53.0	208.0	104.0	272.0	136.0	384.0	192.0	502.0	251.0	543.0	272.0	96

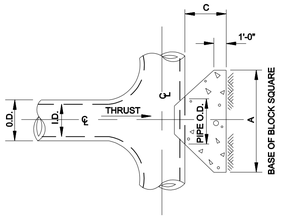
VERTICAL THRUST BLOCK



PLAN OF PLUG THRUST BLOCK

I.D. (IN.)	THRUST (TONS)	C (FT.)	EARTH A (FT.)	EARTH VOL. (C.Y.)	ROCK A (FT.)	ROCK VOL. (C.Y.)
4,6,8	5.1	1.5	2.5	0.3	2.0	0.2
10,12	11.3	1.5	3.5	0.6	2.5	0.3
16,18	25.5	2.0	5.5	1.6	4.0	0.9
20	31.5	2.0	6.0	1.9	4.0	0.9
24	45.2	2.5	7.0	3.1	5.0	1.7
30	53.0	3.0	7.5	4.1	5.5	2.4
36	76.3	4.0	9.0	7.3	6.5	4.2
42	104.0	4.5	10.5	11.0	7.5	6.2
48	136.0	5.0	12.0	15.6	8.5	8.7
54	172.0	5.5	13.5	21.4	9.5	11.9
60	212.0	6.0	15.0	28.4	10.5	15.7
66	257.0	6.5	16.5	36.8	11.5	20.5
72	305.0	7.5	17.5	47.2	12.5	27.2
78	358.0	8.0	19.0	58.9	13.5	33.7
84	416.0	8.5	20.5	72.3	14.5	41.2
90	477.0	9.0	22.0	87.7	15.5	49.7
96	543.0	9.5	23.5	104.8	16.5	61.0

TABLES OF DIMENSIONS AND QUANTITIES



PLAN OF TEE THRUST BLOCK

GENERAL NOTES FOR ALL THRUST BLOCKS:

1. CONCRETE FOR BLOCKING SHALL BE CLASS "B".
2. ALL CALCULATIONS ARE BASED ON INTERNAL PRESSURE OF 200 PSI FOR DUCTILE IRON, P.V.C., AND 150 PSI FOR CONCRETE PIPE.
3. VOLUMES OF THRUST BLOCKS ARE NET VOLUMES OF CONCRETE TO BE FURNISHED. THE CORRESPONDING WEIGHT OF THE CONCRETE (CLASS "B") IS EQUAL TO OR GREATER THAN THE VERTICAL COMPONENT OF THE THRUST ON THE VERTICAL BEND.
4. WALL THICKNESS (T) ASSUMED HERE FOR ESTIMATING PURPOSES ONLY.
5. POUR CONCRETE FOR BLOCK AGAINST UNDISTURBED EARTH.
6. DIMENSIONS MAY BE VARIED AS REQUIRED BY FIELD CONDITIONS WHERE AND AS DIRECTED BY THE ENGINEER. THE VOLUME OF CONCRETE BLOCKING SHALL NOT BE LESS THAN SHOWN HERE.
   2000 LBS./S.F. IN ROCK.
7. THE SOIL BEARING PRESSURES ARE BASED ON 1000 LBS./S.F. IN SOIL AND
8. ALL ANCHOR FITTINGS TO BE CONCRETE THRUST BLOCKED. ALL DUCTILE OR CAST IRON FITTINGS AND / OR PIPE TO BE POLY WRAPPED PRIOR TO POURING THE THRUST BLOCK.
9. CONCRETE SHALL NOT EXTEND BEYOND JOINTS.

HORIZONTAL THRUST BLOCK

NO.	REVISION	BY	DATE

Addison

TOWN OF ADDISON
DALLAS COUNTY, TEXAS

PARK AND STREETSCAPE IMPROVEMENTS
VITRUVIAN PARK

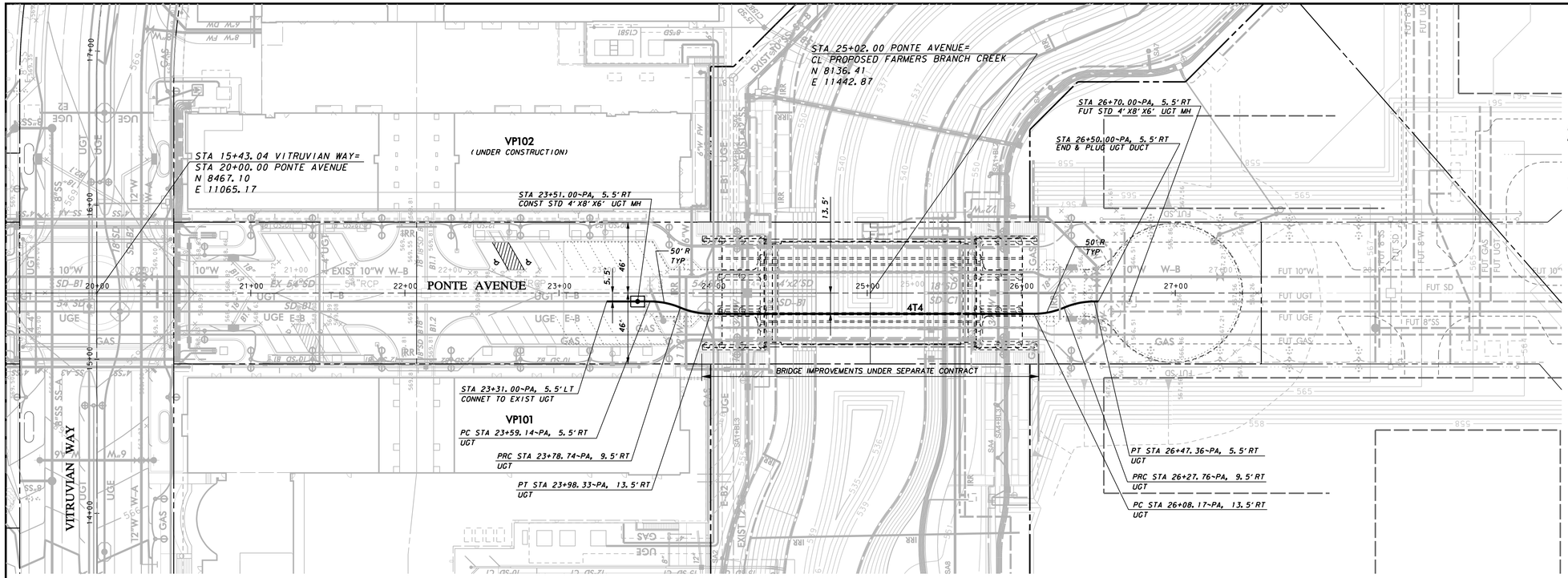
UTILITY DETAILS

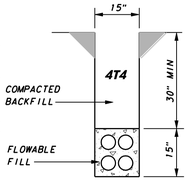
icon Consulting Engineers, Inc.
Civil Engineers - Designers - Planners
250 W. Southlake Blvd., Suite 117
Southlake, Tx 76092 (817) 552-6210

PROJECT	DESIGN	DRAWN	DATE	FILE	SHEET
5029-01	ICE	ICE	APR 26, 2010	PW# 2009-04	C409

PARK AND STREETSCAPE IMPROVEMENTS - VITRUVIAN PARK

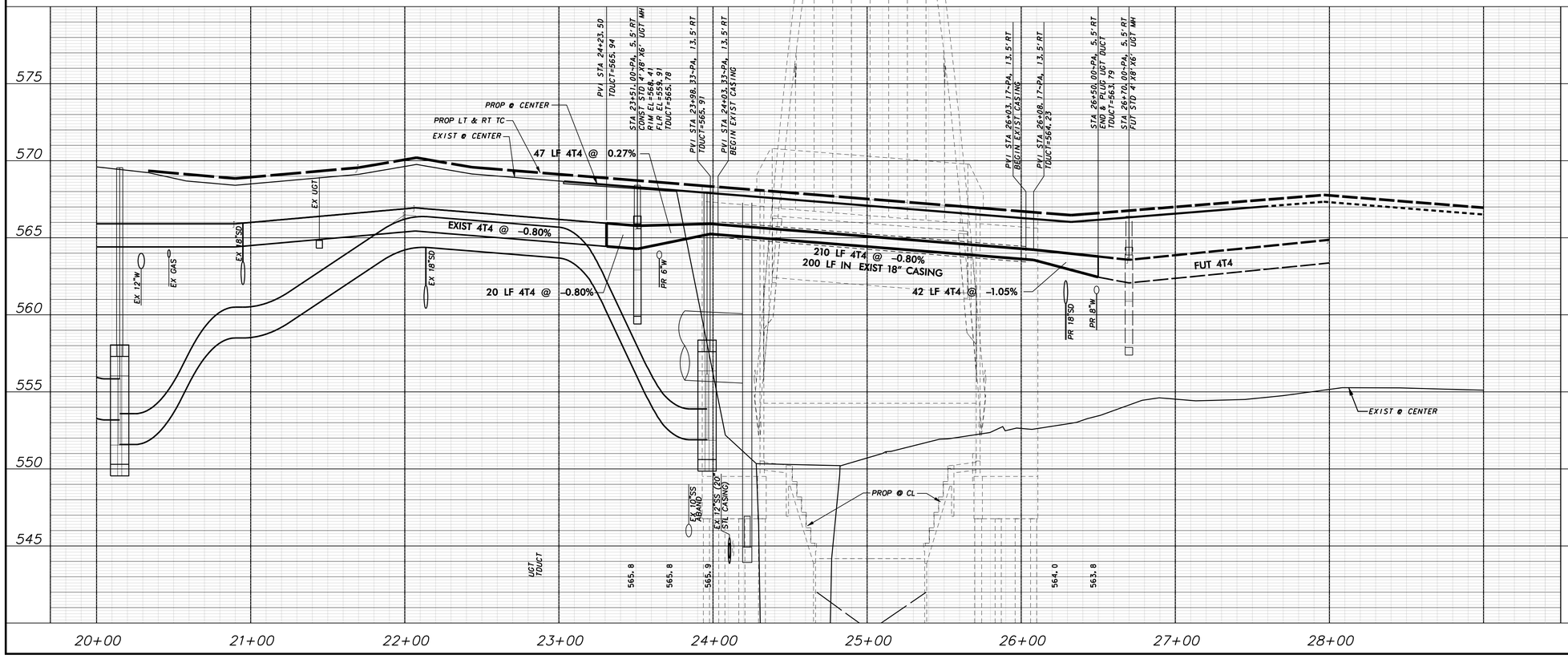
RECORD DRAWINGS 06/18/12





TELEPHONE DUCT NOTES

1. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR MANHOLE AND DUCT STRUCTURE FACILITIES AS ESTABLISHED BY AT&T, LATEST EDITION, AND ANY AND ALL APPLICABLE SPECIFICATIONS AND REQUIREMENTS BY THE TOWN OF ADDISON.
2. THE CONTRACTOR MUST BE AN AT&T APPROVED CONTRACTOR OR BECOME AN AT&T APPROVED CONTRACTOR PRIOR TO CONSTRUCTION.
3. AT&T SHALL SUPPLY ALL UGT MANHOLES, MANHOLE NECKS, FRAME AND COVERS, MANHOLE RACKING AND 4" DUCT FOR THIS PROJECT. MATERIALS WILL BE DELIVERED TO A DESIGNATED ON-SITE STORAGE AREA FOR INSTALLATION BY THE CONTRACTOR.
4. THE CONTRACTOR SHALL SUPPLY ALL OTHER MATERIALS FOR THIS PROJECT NOT LISTED ABOVE INCLUDING BUT NOT LIMITED TO STEEL CASING, TIE-WRAPS, CONDUIT SPACERS, PVC ADHESIVE, CONCRETE, SELECT BACKFILL, PULL ROPES, ETC., PER AT&T SPECIFICATIONS UNLESS OTHERWISE SPECIFIED, IN WRITING.
5. THE CONTRACTOR SHALL INSTALL THE AT&T FURNISHED MANHOLE RACKING IN EACH MANHOLE.
6. THE AT&T INSPECTOR IS TO INSPECT ALL MANHOLE INSTALLATIONS PRIOR TO THE PLACING OF BACKFILL AND ALL CONDUIT INSTALLATIONS PRIOR TO THE PLACEMENT OF CONCRETE.
7. THE CONTRACTOR SHALL PROVIDE VERIFICATION OF COMPLETION AND COMPLIANCE OF ANY AND ALL REQUIRED TESTS TO THE SATISFACTION OF AT&T.
8. THE CONTRACTOR SHALL CONTACT AT&T TO REQUEST A FINAL WALK-THROUGH INSPECTION OF THE TELEPHONE DUCT BANK INFRASTRUCTURE WORK.
9. AT&T INSPECTOR SHALL BE NOTIFIED A MINIMUM OF 2 HOURS PRIOR TO THE DELIVERY OF CONCRETE AND SHALL BE PRESENT DURING PLACEMENT.



WARNING

CONTRACTOR IS TO CONTACT TEXAS ONE-CALL SYSTEM (1-800-245-4545) OR OTHER UTILITY LOCATING SERVICES AT LEAST 48 HOURS PRIOR TO CONSTRUCTION ACTIVITIES. ICON CONSULTING ENGINEERS, INC. IS NOT RESPONSIBLE FOR KNOWING ALL EXISTING UTILITIES IN THE PROJECT AREA NOR FOR DEPICTING THE EXACT LOCATIONS OF UTILITIES ON THESE DRAWINGS.

BM #1 REF. ELEVATION = 559.47
SQUARE CUT IN TOP OF CURB, SOUTH MEDIAN END NOSE, MARSH LANE 1127' NORTH OF VITRUVIAN WAY.

BM #2 REF. ELEVATION = 547.84
SQUARE CUT IN TOP OF CURB, NORTH MEDIAN END NOSE, AT INTERSECTION OF VITRUVIAN WAY AND MARSH LANE.

PROFILE SCALE:
0 20 40 60 80
SCALE: 1"=40' HORIZ
0 2 4 6 8
SCALE: 1"=4' VERT

STATE OF TEXAS
BRUCE F. DUNNE
62654
LICENSED PROFESSIONAL ENGINEER

NO.	REVISION	BY	DATE

TOWN OF ADDISON
DALLAS COUNTY, TEXAS

PARK AND STREETSCAPE IMPROVEMENTS
VITRUVIAN PARK

DUCT BANK PLAN & PROFILE - PA LINE B-STA. 23+31.00 TO 27+50.00

icon Consulting Engineers, Inc.
Civil Engineers - Designers - Planners
250 W. Southlake Blvd., Suite 117
Southlake, Tx 76092 (817) 552-6210

PROJECT	DESIGN	DRAWN	DATE	FILE	SHEET
5029-01	ICE	ICE	APR 26, 2010	PW# 2009-04	C410

RECORD DRAWINGS 06/18/12

PARK AND STREETSCAPE IMPROVEMENTS – VITRUVIAN PARK

PONTE AVENUE

VITRUVIAN WAY

4-PERFORMANCE LIGHTING FOUNDATION

VP102
(UNDER CONSTRUCTION)

GROTTO

AMPHITHEATER

NORTHWEST RAMP

10'X10'X6" CONCRETE EQUIPMENT SLAB WITH 24" DEEP PERIMETER BEAM SEE DETAIL

WILDLIFE OBSERVATION PLATFORM

ESPLANADE

ISLAND 1

FARMERS BRANCH CREEK

ISLAND 4

ISLAND 3

ISLAND 2

BELVEDERE

23+10

24+00

25+00

26+00

27+00

29+00

30+00

31+00

OHE

NORTH

0 20 40 60 80
GRAPHIC SCALE IN FEET
SCALE: 1"=40'

LEGEND

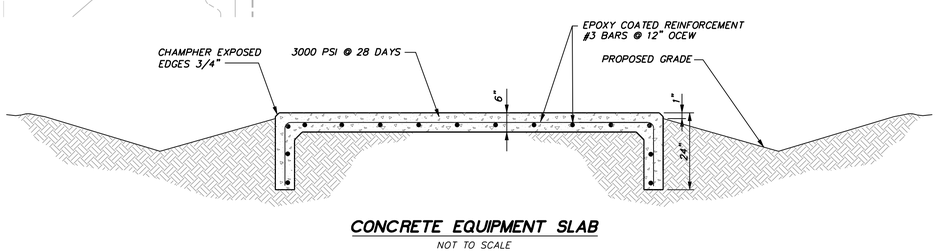
STANDARD DUTY PAVEMENT:
6" (4200 PSI AT 28 DAYS) CONCRETE PVMT. W/ #3 BARS @ 18" O.C.E.W. ON 6" COMPACTED SUBGRADE TO 95% AT OR ABOVE OPTIMUM MOISTURE CONTENT (ASTM D 698). REFERENCE LANDSCAPE PLANS.

MISCELLANEOUS & FLATWORK:
4" REINFORCED CONCRETE FLATWORK (3000 PSI AT 28 DAYS) W/ #3 BARS @ 18" O.C.E.W. ON 6" COMPACTED SUBGRADE TO 95% AT OR ABOVE OPTIMUM MOISTURE CONTENT (ASTM D 698). REFERENCE LANDSCAPE PLANS.

RETAINING WALL:

PAVING NOTES

1. REFER TO SHEET C604 FOR "GENERAL PAVING NOTES" FOR THIS PROJECT.



CONCRETE EQUIPMENT SLAB
NOT TO SCALE

WARNING

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1127' NORTH OF VITRUVIAN WAY.

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SQUARE CUT IN TOP OF CURB, NORTH MEDIAN END NOSE, AT INTERSECTION OF VITRUVIAN WAY AND MARSH LANE.

STATE OF TEXAS
BRUCE F. DUNNE
62654
LICENSED PROFESSIONAL ENGINEER

NO.	REVISION	BY	DATE
1	VP102 COORD-TERRACE CLUB WALK REVISION & PONTE WALK REMOVAL	ICE	01/19/11

TOWN OF ADDISON
DALLAS COUNTY, TEXAS

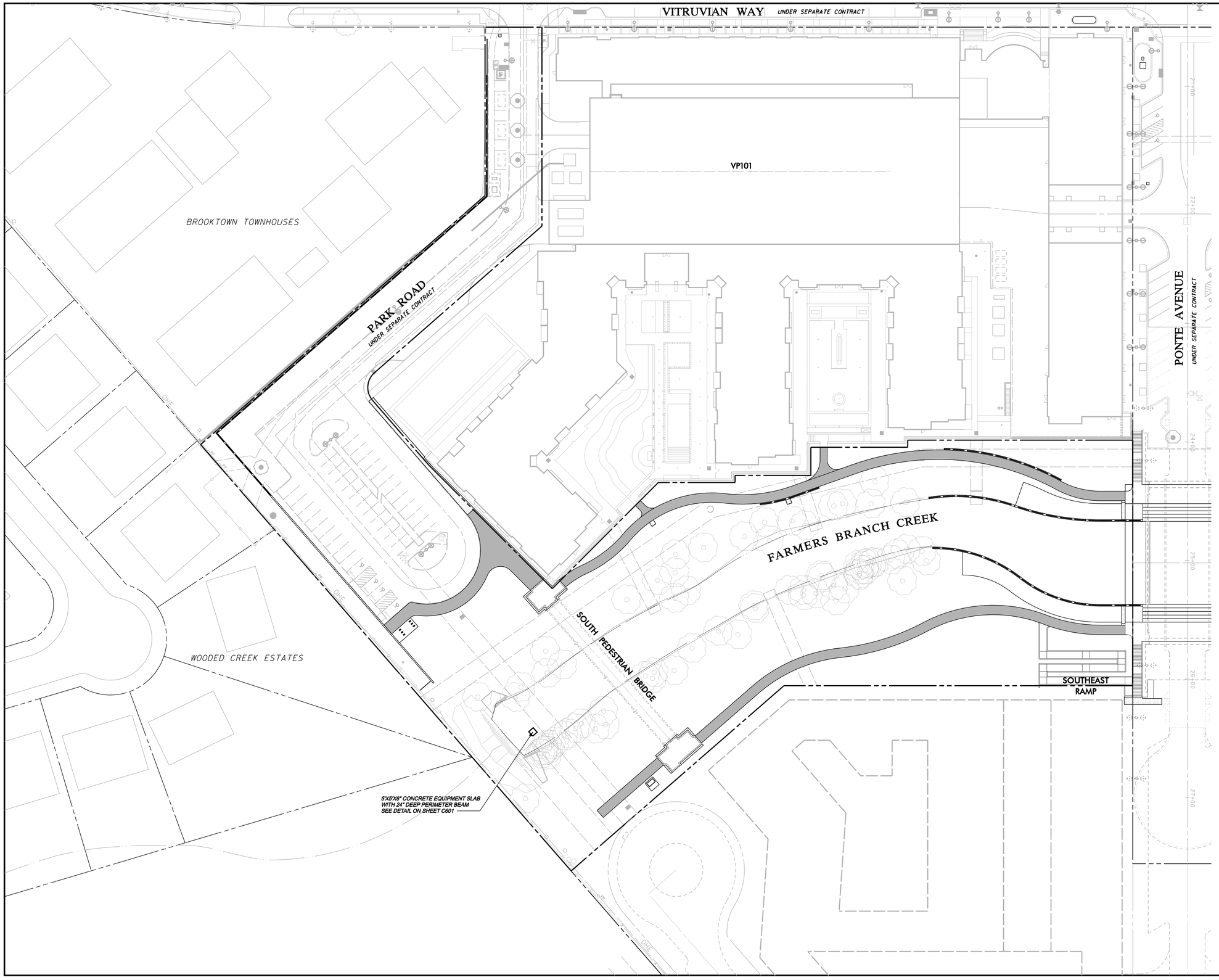
PARK AND STREETSCAPE IMPROVEMENTS
VITRUVIAN PARK

PAVING PLAN NORTH

icon Consulting Engineers, Inc.
Civil Engineers - Designers - Planners
250 W. Southlake Blvd., Suite 117
Southlake, Tx 76092 (817) 552-6210

PROJECT	DESIGN	DRAWN	DATE	FILE	SHEET
5029-01	ICE	ICE	APR 26, 2010	PW# 2009-04	C601

PARK AND STREETSCAPE IMPROVEMENTS - VITRUVIAN PARK



NORTH

0 20 40 60 80
GRAPHIC SCALE IN FEET
SCALE: 1"=40'

LEGEND

STANDARD DUTY PAVEMENT:
6" (4200 PSI AT 28 DAYS) CONCRETE PVMT. W/ #3 BARS @ 18" O.C.E.W. ON 6" COMPACTED SUBGRADE TO 95% AT OR ABOVE OPTIMUM MOISTURE CONTENT (ASTM D 698). REFERENCE LANDSCAPE PLANS.

MISCELLANEOUS & FLATWORK:
4" REINFORCED CONCRETE FLATWORK (3000 PSI AT 28 DAYS) W/ #3 BARS @ 18" O.C.E.W. ON 6" COMPACTED SUBGRADE TO 95% AT OR ABOVE OPTIMUM MOISTURE CONTENT (ASTM D 698). REFERENCE LANDSCAPE PLANS.

RETAINING WALL:

PAVING NOTES

1. REFER TO SHEET C604 FOR "GENERAL PAVING NOTES" FOR

WARNING

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1127' NORTH OF VITRUVIAN WAY.

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SQUARE CUT IN TOP OF CURB, NORTH MEDIAN END NOSE, AT INTERSECTION OF VITRUVIAN WAY AND MARSH LANE.

STATE OF TEXAS
BRUCE F. DUNNE
62654
LICENSED PROFESSIONAL ENGINEER

NO.	REVISION	BY	DATE

Addison

TOWN OF ADDISON
DALLAS COUNTY, TEXAS

PARK AND STREETSCAPE IMPROVEMENTS
VITRUVIAN PARK

PAVING PLAN SOUTH

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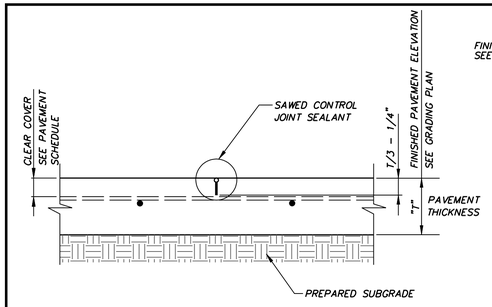
Civil Engineers - Designers - Planners
250 W. Southlake Blvd., Suite 117
Southlake, Tx 76092 (817) 552-6210

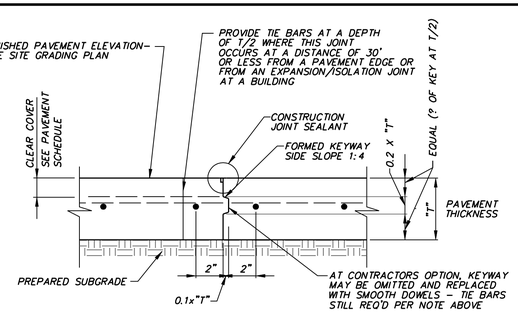
PROJECT	DESIGN	DRAWN	DATE	FILE	SHEET
5029-01	ICE	ICE	APR 26, 2010	PW # 2009-04	C602

RECORD DRAWINGS 06/18/12

PARK AND STREETSCAPE IMPROVEMENTS - VITRUVIAN PARK



LONGITUDINAL CONTROL JOINT
NOT TO SCALE



KEYED LONGITUDINAL CONSTRUCTION JOINT
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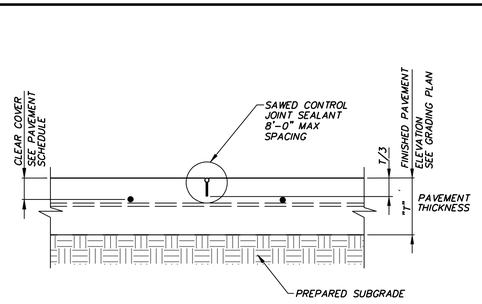

TRANSVERSE CONTROL JOINT
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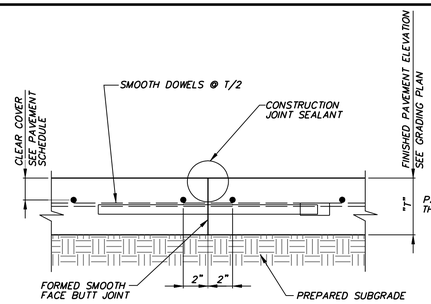
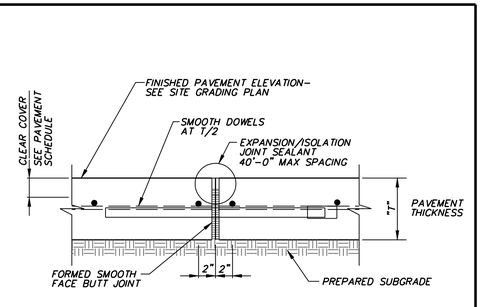


TRANSVERSE CONSTRUCTION JOINT
NOT TO SCALE



TRANSVERSE EXPANSION JOINT
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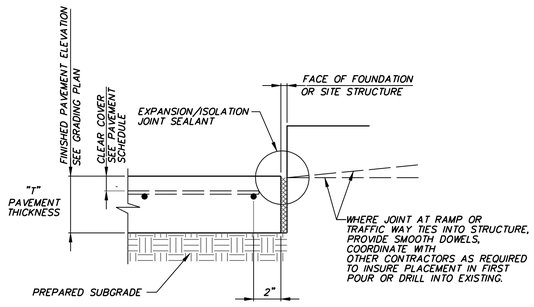
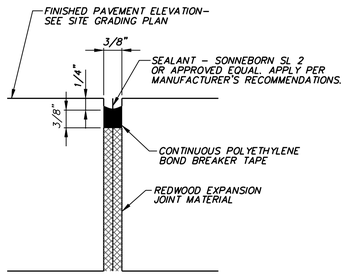


EXPANSION /ISOLATION JOINT AT STRUCTURES
NOT TO SCALE



EXPANSION /ISOLATION JOINT SEALANT
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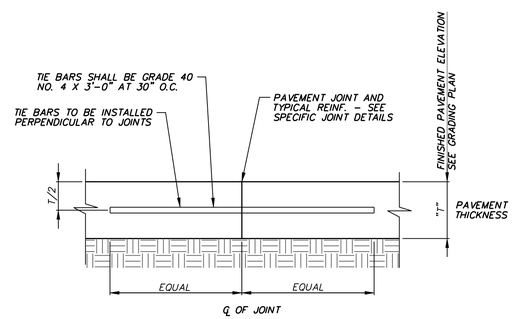
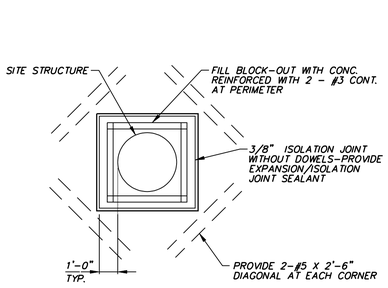


TIE BAR
NOT TO SCALE



JOINT TREATMENT AT SITE STRUCTURES
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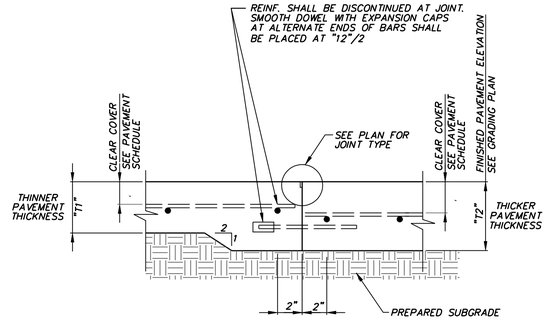

PAVEMENT DEPTH CHANGE/ ISOLATION JOINT
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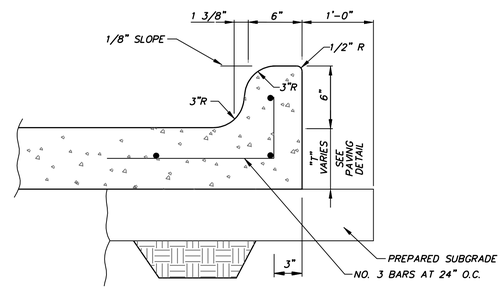
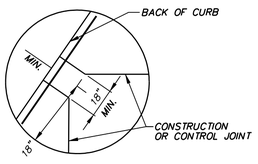
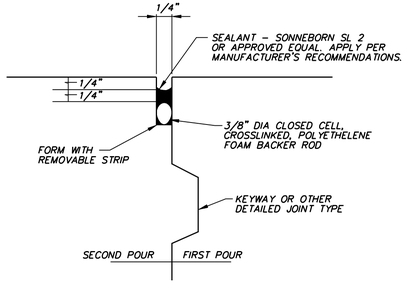


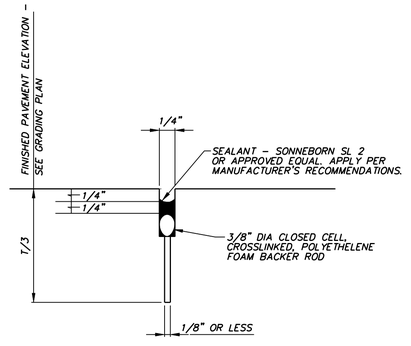
6" INTEGRAL CURB
NOT TO SCALE



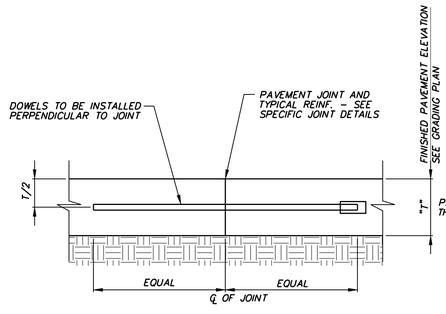
TYPICAL AT ALL ANGLED JOINT TERMINATIONS
NOT TO SCALE



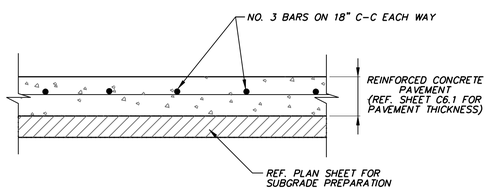
CONSTRUCTION JOINT SEALANT
NOT TO SCALE



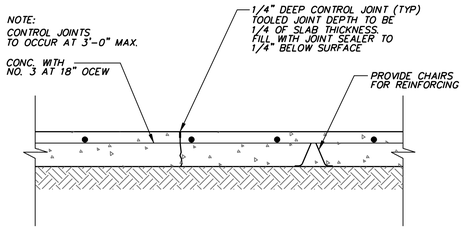
SAWED CONTROL JOINT SEALANT
NOT TO SCALE



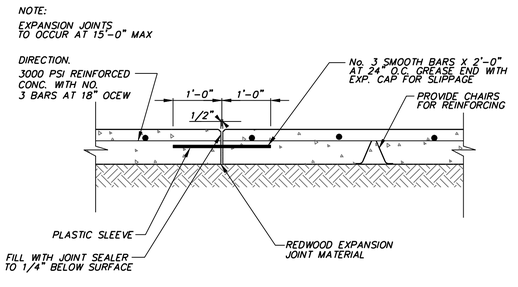
SMOOTH DOWEL
NOT TO SCALE



TYPICAL PAVEMENT SECTION
NOT TO SCALE



MISCELLANEOUS FLATWORK CONTROL JOINT
NOT TO SCALE



MISCELLANEOUS FLATWORK EXPANSION JOINT
NOT TO SCALE

STATE OF TEXAS
BRUCE F. DUNNE
62654
LICENSED PROFESSIONAL ENGINEER

NO.	REVISION	BY	DATE

TOWN OF ADDISON
DALLAS COUNTY, TEXAS

PARK AND STREETSCAPE IMPROVEMENTS
VITRUVIAN PARK

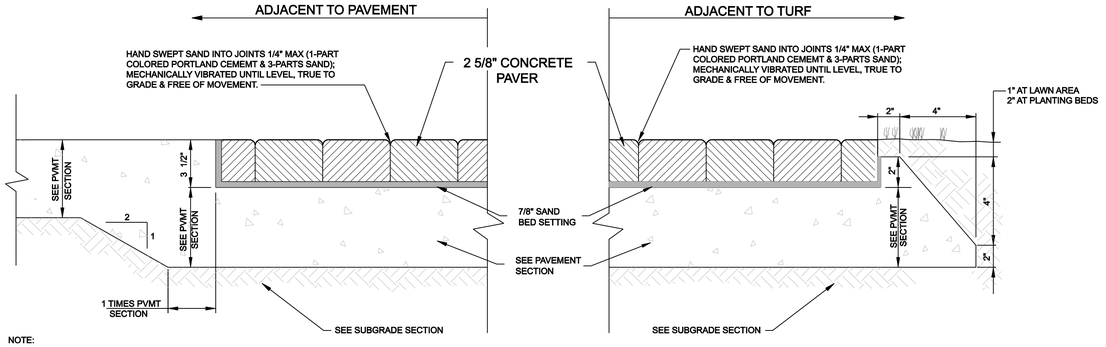
PAVING DETAILS

icon Consulting Engineers, Inc.
Civil Engineers - Designers - Planners
250 W. Southlake Blvd., Suite 117
Southlake, Tx 76092 (817) 552-6210

PROJECT	DESIGN	DRAWN	DATE	FILE	SHEET
5029-01	ICE	ICE	APR 26, 2010	PW# 2009-04	C603

PARK AND STREETSCAPE IMPROVEMENTS - VITRUVIAN PARK

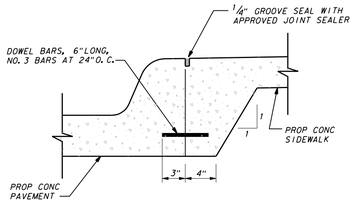
RECORD DRAWINGS 06/18/12



NOTE:
CONTRACTOR SHALL CONFIRM THICKNESS OF FINAL PAVER SELECTION PRIOR TO POURING DROP SLABS IN THE SIDEWALKS

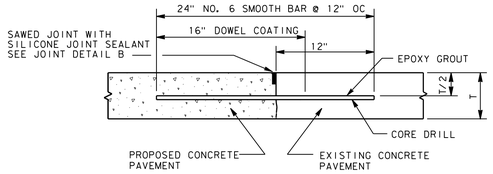
PAVERS ON CONCRETE

N.T.S.



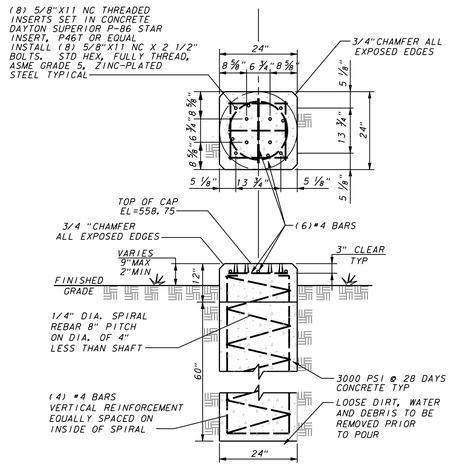
JOINT DETAIL FOR SIDEWALK ADJACENT TO CURB

NOT TO SCALE



PROPOSED TO EXISTING CONCRETE PAVEMENT

NOT TO SCALE



AMPHITHEATER PERFORMANCE LIGHTING BOX TRUSS FOUNDATION

NOT TO SCALE

GENERAL PAVING NOTES:

1. REFER TO SHEET C100 "GENERAL CONSTRUCTION NOTES, LEGEND AND ABBREVIATIONS" FOR THE GENERAL CONSTRUCTION NOTES FOR THIS PROJECT.
2. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH STANDARD SPECIFICATIONS FOR NORTH CENTRAL TEXAS COUNCIL OF GOVERNMENTS (NCTCOG), AND ANY AND ALL AMENDMENTS BY THE TOWN OF ADDISON, AS WELL AS STANDARD CONSTRUCTION DETAILS SHOWN ON THE PLANS.
3. IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONTACT ANY PUBLIC UTILITY COMPANIES FOR LOCATION OF EXISTING FACILITIES IN OR NEAR THE WORK AREAS. THESE INCLUDE, BUT ARE NOT LIMITED TO THE FOLOWING:

TOWN OF ADDISON (WATER, SEWER, SIGNALS)	ATMOS ENERGY (GAS)
ONCOR ELECTRIC DELIVERY	VERIZON / MCI
AT&T (SOUTHWESTERN BELL)	TIME-WARNER CABLE

4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ADEQUATE DRAINAGE AT ALL TIMES DURING CONSTRUCTION, INCLUDING PROVIDING ALL TEMPORARY STRUCTURES OR IMPROVEMENTS AS NESCESSARY FOR THE SAFETY OF THE PUBLIC.
5. THE TOWN OF ADDISON WILL PROVIDE A GEOTECHNICAL LABORATORY TO PERFORM APPROPRIATE TESTING DURING CONSTRUCTION ACTIVITIES. ANY TEST THAT FAILS TO MEET CITY REQUIREMENTS SHALL BE RETESTED AT THE CONTRACTORS EXPENSE.
6. THE CONTRACTOR SHALL MAKE NECESSARY PROVISIONS FOR THE SUPPORT AND PROTECTION OF ALL UTILITY POLES, FENCES, TREES, SHRUBS, UTILITY SERVICES, BUILDING FOUNDATIONS AND ALL OTHER UTILITIES AND STRUCTURES BOTH ABOVE AND BELOW THE GROUND, THE COST OF WHICH SHALL BE INCLUDED IN THE CONTRACT AMOUNT.
7. THE CONTRACTOR SHALL VERIFY THE ELEVATION, CONFIGURATION, AND ANGULATION OF EXISTING PAVEMENT PRIOR TO CONSTRUCTION OF TIE-IN MATERIALS. WHERE PROPOSED CONCRETE PAVEMENT TO EXISTING CONCRETE PAVEMENT IS TO BE CONSTRUCTED BY THE CONTRACTOR, AT LEAST 15" OF REINFORCING STEEL SHALL BE EXPOSED FROM THE EXISTING PAVEMENT, OR THE CONTRACTOR SHALL PROVIDE HORIZONTAL DOWEL BARS PER THE DETAILS.
8. NO PERSON SHALL OPEN, TURN OFF, INTERFERE WITH, ATTACH ANY HOSE TO, OR TAP ANY WATER MAIN BELONGING TO THE TOWN OF ADDISON UNLESS DULY AUTHORIZED TO DO SO BY THE TOWN OF ADDISON PUBLIC WORKS DEPARTMENT (972-450-2871).
9. ALL EXISTING AND PROPOSED IMPROVEMENTS (MANHOLE RIMS, CLEAN-OUTS, FIRE HYDRANTS, VALVE BOXES, WATER METERS AND VAULTS, ETC.) SHALL BE ADJUSTED TO FINAL FINISHED GRADE BY THE CONTRACTOR AT THE TIME OF PAVING.
10. PREPERATION OF SUBGRADE UNDER PAVED AREAS SHALL BE PERFORMED IN ACCORDANCE WITH THE TOWN OF ADDISON SPECIFICATIONS OR THE GEOTECHNICAL REPORT. THE MORE RESTRICTIVE REQUIREMENTS SHALL APPLY. PREPARATION OF THE SUBGRADE FOR PAVING WITHIN RIGHT-OF-WAY, STREET USE EASEMENTS AND/OR FIRE LANES SHALL NOT BE INITIATED UNTIL ALL TESTING OF UNDERGROUND UTILITIES HAS BEEN COMPLETED AND VERIFIED TO MEET THE SPECIFICATIONS AND AUTHORIZATION TO PROCEED HAS BEEN RECEIVED FROM THE INSPECTOR.
11. CONCRETE SHOULD BE PORTLAND CEMENT CONCRETE, CONFORMING TO THE REQUIREMENTS OF TxDOT ITEM 421, PORTLAND CEMENT CONCRETE CLASS "P".
12. THE CONTRACTOR SHALL SCHEDULE AND COORDINATE HIS WORK WITH TRENCHING OPERATIONS FOR OTHER UTILITIES INCLUDING GAS, TELEPHONE, AND ELECTRIC SERVICES, LANDSCAPE IRRIGATION CONDUITS, LIGHTING CONDUITS, STREETSCAPE IMPROVEMENTS, ETC. AND SHALL PROVIDE BLOCKOUTS AND/OR FINAL ADJUSTMENT TO FINISH GRADE FOR ALL IMPROVEMENTS, EXISTING AND PROPOSED, WITHIN THE LIMITS OF THE PAVING WORK.
13. ALL CURB SHOWN IS TO BE SIX (6) INCHES HIGH.
14. EXPANSION JOINT MATERIAL SHALL EXTEND COMPLETELY THROUGH THE CURB.
15. ALL REINFORCING BARS SHALL BE GRADE 40 KSI DEFORMED REINFORCING STEEL. SIZE AND SPACING SHALL BE IN ACCORDANCE WITH THE DETAILS. WHERE BARS ARE SPLICED, A 30" DIAMETER LAP SHALL BE USED.
16. ALL REINFORCING STEEL AND DOWEL BARS IN PAVEMENT SHALL BE SUPPORTED AND MAINTAINED AT THE CORRECT CLEARANCES BY THE USE OF BAR CHAIRS OR OTHER APPROVED SUPPORTS.
17. THE CONTRACTOR SHALL PROCEED WITH PAVING NO MORE THAN SEVENTY-TWO (72) HOURS AFTER DENSITY/MOISTURE TESTS HAVE BEEN TAKEN AND PASSED BY THE TESTING FIRM. COMPIES OF THE TEST RESULTS SHALL BE FURNISHED TO THE CITY. IN THE EVENT PAVING OPERATIONS HAVE NOT COMMENCED WITHIN THE SEVENTY-TWO (72) HOUR LIMIT, A RETEST SHALL BE REQUIRED AT THE CONTRACTOR'S EXPENSE.
18. CONCRETE SHALL NOT BE PLACED WHEN THE TEMPERATURE IS BELOW 40 DEGREES FAHRENHEIT AND FALLING, BUT MAY BE PLACED WHEN THE TEMPERATURE IS ABOVE 35 DEGREES FAHRENHEIT AND RISING. THE TEMPERATURE READING SHALL BE TAKEN IN THE SHADE AND AWAY FROM ARTIFICIAL HEAT.
19. CONSTRUCTION OF SIDEWALKS, WHEELCHAIR RAMPS AND ACCESSIBLE ROUTES SHALL BE IN ACCORDANCE WITH THE TEXAS ACCESSIBILITY STANDARDS (TAS) AND THE AMERICANS DISIBILITY ACT (ADA). ALL CONCRETE FOR HANDICAP RAMPS SHALL HAVE INTEGRAL STAIN INSTEAD OF PAINT.
20. PAVEMENT MARKINGS SHALL BE PROVIDED IN ACCORDANCE WITH THE TEXAS "UNIFORM TRAFFIC MANUAL FOR PAVEMENT MARKINGS". FIRE LANES SHALL BE STRIPED IN ACCORDANCE WITH THE TOWN OF ADDISON'S REQUIREMENTS. ALL HANDICAP SYMBOLS, SIGNAGE AND PAVEMENT MARKINGS SHALL COMPLY WITH TAS AND ADA STANDARDS.
21. MEMBRANE CURING TYPE 2, WHITE PIGMENTED, SHALL BE USED FOR CURING ALL CONCRETE SURFACES IMMEDIATELY AFTER FINISHING OF SURFACES AND SHALL BE IN ACCORDANCE WITH THE TxDOT ITEM #526.
22. THE CONTRACTOR SHALL ASSUME RESPONSIBILITY FOR REPAIRS TO ALL EXISTING FACILITIES DAMAGED BY HIS ACTIVITIES.
23. THE CONTRACTOR SHALL PROVIDE PAVEMENT JOINTING IN ACCORDANCE WITH THE FOLLOWING REQUIREMENTS:
    - A. SAW CUTTING SHALL BE DONE WITHIN EIGHT (8) HOURS OF POUR OR AS SOON AS CONCRETE CAN SUPPORT WEIGHT. PROVIDE A NEAT CUT WHICH IS TRUE IN ALIGNMENT.
    - B. CONTRACTOR SHALL MARK JOINT LOCATIONS AT THE CENTERLINE OF DOWEL LENGTH DURING HIS PAVING OPERATIONS.
    - C. ALL JOINTS ARE TO CONTINUE THROUGH THE CURB.
    - D. RADIAL JOINTS SHALL BE NO SHORTER THAN EIGHTEEN (18) INCHES.
    - E. ALL CONSTRUCTION JOINTS SHALL BE SAWN, CLEANED OF DEBRIS, BLOWN DRY AND IMMEDIATELY SEALED.
    - F. ODD SHAPED PANELS SHALL BE REINFORCED WITH #3 BARS AT 18" EACH WAY. AN ODD SHAPED PANEL IS CONSIDERED TO BE ONE IN WHICH THE SLAB TAPERS TO A SHARP ANGLE WHEN THE LENGTH TO WIDTH RATIO EXCEEDS 3 TO 1 OR WHEN A SLAB IS NEITHER SQUARE NOR RECTANGULAR.
    - G. THE CONTRACTOR SHALL SUBMIT HIS DESIRED JOINT LAYOUT PLAN TO THE ENGINEER FOR APPROVAL PRIOR TO BEGINNING WORK.
24. THE CONTRACTOR SHALL PROVIDE VERIFICATION OF COMPLETION AND COMPLIANCE OF ANY AND ALL REQUIRED TESTS TO THE TOWN OF ADDISON.

STATE OF TEXAS
BRUCE F. DUNNE
62654
LICENSED
PROFESSIONAL ENGINEER

NO.	REVISION	BY	DATE

TOWN OF ADDISON
DALLAS COUNTY, TEXAS

PARK AND STREETSCAPE IMPROVEMENTS
VITRUVIAN PARK

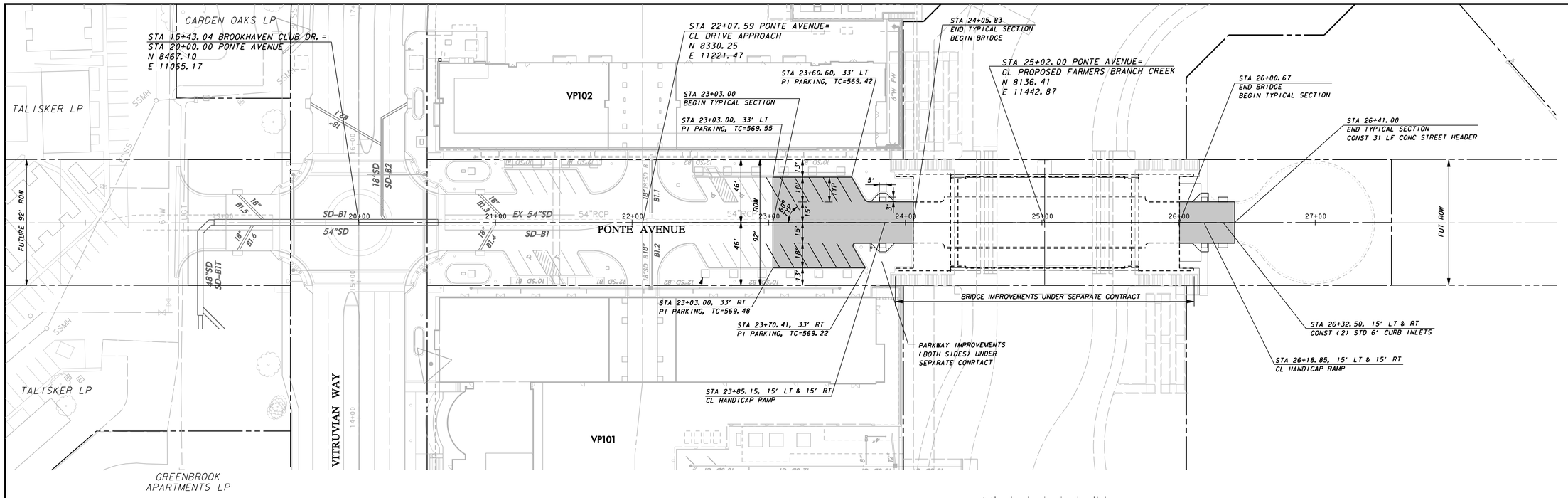
PAVING DETAILS

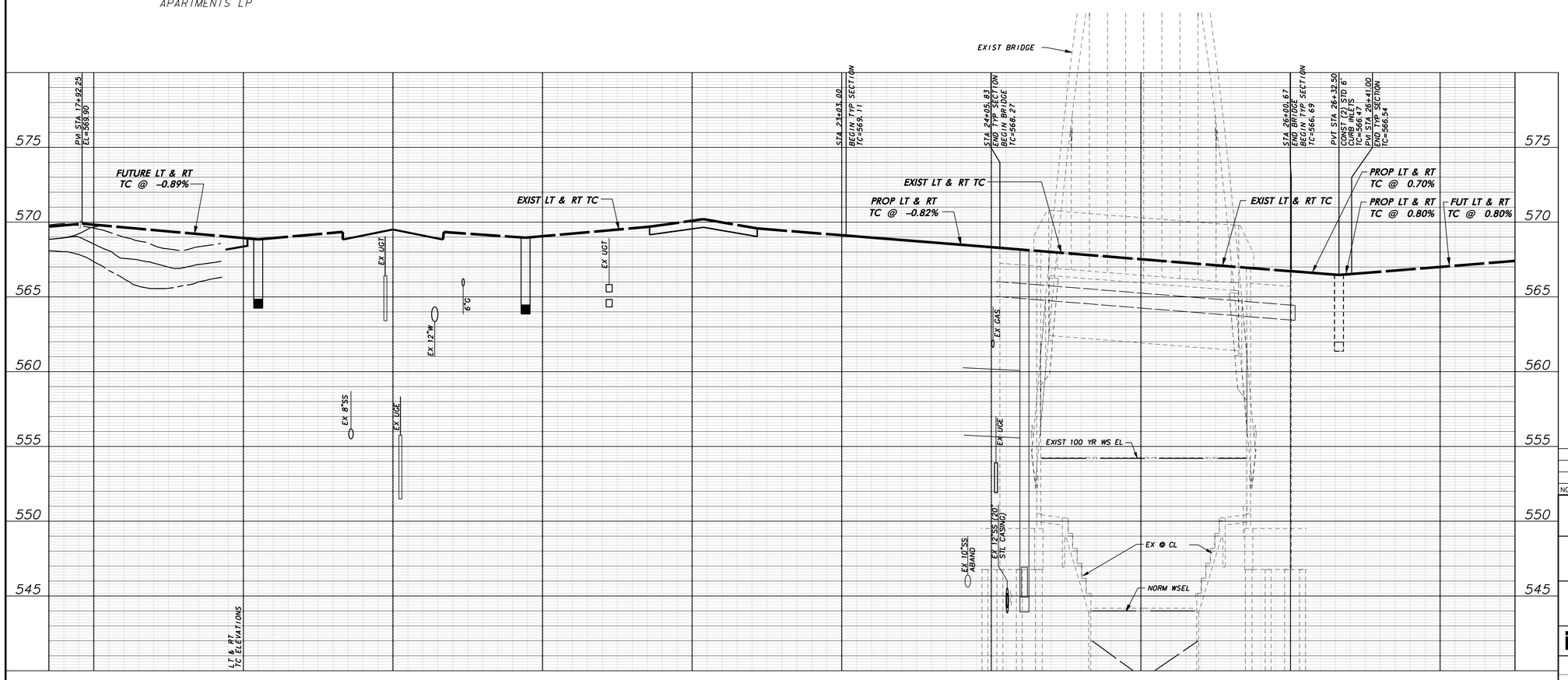
icon Consulting Engineers, Inc.
Civil Engineers - Designers - Planners
250 W. Southlake Blvd., Suite 117
Southlake, Tx 76092 (817) 552-6210

PROJECT	DESIGN	DRAWN	DATE	FILE	SHEET
5029-01	ICE	ICE	APR 26, 2010	PW# 2009-04	C604

PARK AND STREETSCAPE IMPROVEMENTS - VITRUVIAN PARK

RECORD DRAWINGS 06/18/12





WARNING

CONTRACTOR IS TO CONTACT TEXAS ONE-CALL SYSTEM (1-800-245-4545) OR OTHER UTILITY LOCATING SERVICES AT LEAST 48 HOURS PRIOR TO CONSTRUCTION ACTIVITIES. ICON CONSULTING ENGINEERS, INC. IS NOT RESPONSIBLE FOR KNOWING ALL EXISTING UTILITIES IN THE PROJECT AREA NOR FOR DEPICTING THE EXACT LOCATIONS OF UTILITIES ON THESE DRAWINGS.

BM #1 REF. ELEVATION = 559.47
SQUARE CUT IN TOP OF CURB, SOUTH MEDIAN
END NOSE, MARSH LANE
1127' NORTH OF VITRUVIAN WAY.

BM #2 REF. ELEVATION = 547.84
SQUARE CUT IN TOP OF CURB, NORTH MEDIAN
END NOSE, AT INTERSECTION OF
VITRUVIAN WAY AND MARSH LANE.

PROFILE SCALE:
0 20 40 60 80
SCALE: 1"=40' HORIZ
0 2 4 6 8
SCALE: 1"=4' VERT

STATE OF TEXAS
BRUCE F. DUNNE
62654
LICENSED
PROFESSIONAL ENGINEER

NO.	REVISION	BY	DATE

Addison TOWN OF ADDISON
DALLAS COUNTY, TEXAS

PARK AND STREETSCAPE IMPROVEMENTS
VITRUVIAN PARK

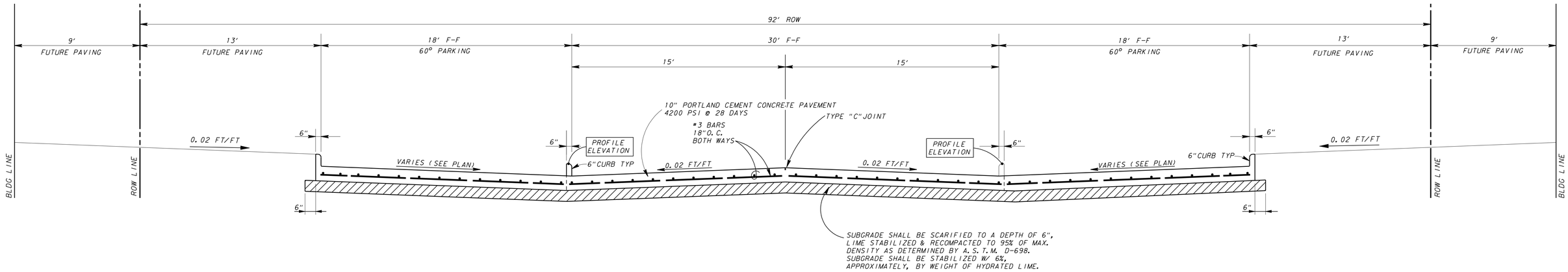
PAVING PLAN & PROFILE - PA
STA 23+03.00 TO STA 26+41.00

icon Consulting Engineers, Inc.
Civil Engineers - Designers - Planners
250 W. Southlake Blvd., Suite 117
Southlake, Tx 76092 (817) 552-6210

PROJECT	DESIGN	DRAWN	DATE	FILE	SHEET
5029-01	ICE	ICE	APR 26, 2010	PW # 2009-04	C605

RECORD DRAWINGS 06/18/12

PARK AND STREETSCAPE IMPROVEMENTS - VITRUVIAN PARK



TYPICAL SECTION – PONTE AVENUE

NOT TO SCALE

GRADING & PAVING GENERAL NOTES

1. REFER TO SHEET 4 "GENERAL CONSTRUCTION NOTES, LEGEND AND ABBREVIATIONS" FOR THE GENERAL CONSTRUCTION NOTES FOR THIS PROJECT.
2. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH STANDARD SPECIFICATIONS AS PUBLISHED BY NORTH CENTRAL TEXAS COUNCIL OF GOVERNMENTS, AND ANY AND ALL AMENDMENTS BY THE TOWN OF ADDISON, AS WELL AS STANDARD CONSTRUCTION DETAILS OF THE TOWN OF ADDISON.
3. PRIOR TO COMMENCING CONSTRUCTION, THE TOWN OF ADDISON, THE CONSULTING ENGINEERS, THE SUCCESSFUL CONTRACTOR, UTILITY COMPANIES, AND ANY OTHER AFFECTED PARTIES, SHALL CONVENE FOR A PRE-CONSTRUCTION CONFERENCE AT LEAST 48 HOURS PRIOR TO THE BEGINNING OF CONSTRUCTION.
4. THE CONTRACTOR SHALL OBTAIN A RIGHT-OF-WAY PERMIT FROM THE TOWN OF ADDISON PRIOR TO WORKING WITHIN THE PUBLIC RIGHT-OF-WAY.
5. IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONTACT ANY PUBLIC UTILITY COMPANIES FOR LOCATION OF EXISTING FACILITIES IN OR NEAR THE WORK AREAS. THESE INCLUDE, BUT ARE NOT LIMITED TO THE FOLOWING:

TOWN OF ADDISON (WATER, SEWER, SIGNALS)	ATMOS ENERGY (GAS)
ONCOR ELECTRIC DELIVERY	VERIZON / MCI
AT&T (SOUTHWESTERN BELL)	TIME-WARNER CABLE

6. THE CONTRACTOR SHALL PROVIDE SUBMITTALS TO THE ENGINEER (SIX SETS EACH), FOR APPROVAL OF ALL MATERIALS TO BE ADDED TO THE PUBLIC INFRASTRUCTURE, PRIOR TO INCORPORATING MATERIALS INTO THE JOB.
7. THE CONTRACTOR SHALL EXECUTE AN "EXCAVATION PERFORMANCE AND MAINTENANCE BOND" PRIOR TO WORKING WITHIN THE PUBLIC RIGHT-OF-WAY.
8. THE CONTRACTOR SHALL PROVIDE A MAINTENANCE BOND FOR PUBLIC INFRASTRUCTURE WORK IN THE FOLLOWING AMOUNTS:
   - 100% FOR VALUATIONS LESS THAN OR EQUAL TO $5,000.
   - $5,000 FOR VALUATION GREATER THAN $5,000. AND LESS THAN $50,000.
   - 10% FOR VALUATIONS GREATER THAN $50,000.

   BONDS SHALL BE FOR A PERIOD OF TWO YEARS BEGINNING WITH THE DATE OF FINAL ACCEPTANCE BY THE TOWN.
9. THE CONTRACTOR SHALL FULLY COMPLY WITH, AND SUPPLEMENT AS NECESSARY, THE CONDITIONS OF THE STORM WATER POLLUTION PREVENTION PLAN WHILE CONDUCTING HIS ACTIVITIES ON THIS PROJECT.
10. THE TOWN OF ADDISON PUBLIC WORKS DEPARTMENT WILL APPROVE AND/OR DETERMINE THE TRAFFIC CONTROL PLAN AND WORKING HOURS. CONTACT THE ASSISTANT CITY ENGINEER AT (972) 450-2857 OR THE PUBLIC WORKS INSPECTOR AT (972) 450-2871. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO IMPLEMENT, AND SUPPLEMENT AS NECESSARY, THE TRAFFIC CONTROL MEASURES ON THIS PROJECT, INCLUDING PROVIDING ADEQUATE FLAGMEN, SIGNAGE, STRIPING AND WARNING DEVICES, ETC., DURING CONSTRUCTION IN ACCORDANCE WITH THE TEXAS "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" (MUTCD). THE CONTRACTOR SHALL MAINTAIN AT LEAST ONE LANE OF TRAFFIC IN EACH DIRECTION DURING WORKING HOURS OR PROVIDE AN ALL-WEATHER DETOUR AROUND THE CONSTRUCTION SITE, INCLUDING PUBLIC NOTIFICATION AND SIGNING.
11. TEMPORARY OR PERMANENT BARRICADES SHALL REMAIN AT ALL POINTS OF INGRESS OR EGRESS TO PREVENT PUBLIC USE UNTIL THE WORK RECEIVES FINAL ACCEPTANCE.
12. THE TOWN OF ADDISON WILL PROVIDE A GEOTECHNICAL LABORATORY TO PERFORM APPROPRIATE TESTING DURING CONSTRUCTION ACTIVITIES. ALL EARTHWORK OPERATIONS SHALL BE OBSERVED AND TESTED ON A CONTINUING BASIS BY THE GEOTECHNICAL ENGINEER FOR CONFORMANCE WITH THE REQUIREMENTS SET FORTH IN THE GEOTECHNICAL STUDY WHICH IS MADE A PART OF THESE CONSTRUCTION DOCUMENTS. ANY TEST THAT FAILS TO MEET CITY REQUIREMENTS SHALL BE RETESTED AT THE CONTRACTOR'S EXPENSE.
13. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ADEQUATE DRAINAGE AT ALL TIMES DURING CONSTRUCTION, INCLUDING PROVIDING ALL TEMPORARY STRUCTURES OR IMPROVEMENTS AS NESCESSARY FOR THE SAFETY OF THE PUBLIC.
14. ANY ADJACENT PROPERTIES AFFECTED BY THE CONTRACTOR'S CONSTRUCTION OPERATIONS SHALL BE RESTORED TO PRE-CONSTRUCTION CONDITIONS, OR BETTER.
15. AREAS TO BE PAVED AND ALL AREAS THAT ARE TO RECEIVE FILL MATERIAL SHALL BE STRIPPED OF VEGETATION, TREES, ROOTS, STUMPS, DEBRIS, AND OTHER ORGANIC MATERIAL. THE DEPTH OF STRIPPING IS ESTIMATED TO BE ON THE ORDER OF FOUR (4) INCHES IN ORDER TO REMOVE THE SURFACE SOIL CONTAINING ORGANIC MATERIAL. THE ACTUAL STRIPPING DEPTH SHALL BE BASED ON FIELD OBSERVATIONS. STRIPPED TOPSOIL SHALL BE STOCKPILED IN A LOCATION ON-SITE APPROVED BY THE ENGINEER. ALL TREES, INCLUDING STUMPS AND ROOT SYSTEMS, VEGETATION, DEBRIS AND OTHER OBJECTIONABLE MATERIAL SHALL BE REMOVED AND DISPOSED OFF-SITE. THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE LAWS GOVERNING SPILLAGE OF DEBRIS WHILE TRANSPORTING TO A DISPOSAL SITE. ALL COSTS ASSOCIATED WITH DISPOSAL OF MATERIAL SHALL BE INCLUDED IN THE CONTRACT AMOUNT.
16. BURNING SHALL NOT BE PERMITTED ON THE PROJECT SITE UNLESS APPROVED IN WRITING BY THE GOVERNING AUTHORITIES.
17. UPON COMPLETION OF STRIPPING OPERATIONS, AND PRIOR TO PLACEMENT OF ANY FILL MATERIALS, THE STRIPPED AREAS SHOULD BE OBSERVED TO DETERMINE IF ADDITIONAL EXCAVATION IS REQUIRED TO REMOVE WEAK OR OTHERWISE OBJECTIONABLE MATERIALS THAT WOULD ADVERSELY AFFECT THE FILL PLACEMENT. THE SUBGRADE SHOULD BE FIRM AND ABLE TO SUPPORT CONSTRUCTION EQUIPMENT WITHOUT DISPLACEMENT. SOFT OR YIELDING SUBGRADE SHOULD BE CORRECTED AND MADE STABLE BEFORE CONSTRUCTION PROCEEDS. PROOF ROLLING SHOULD BE PERFORMED USING A HEAVY PNEUMATIC TIRE ROLLER, LOADED DUMP TRUCK, OR SIMILAR PIECE OF EQUIPMENT WEIGHING 25 TONS. THE PROOF ROLLING OPERATIONS SHOULD BE OBSERVED BY THE GEOTECHNICAL ENGINEER OR HIS REPRESENTATIVE.
18. WHEN CLAY OR OTHER UNSTABLE MATERIAL IS PRESENT IN AREAS OF PROPOSED PAVED AREAS, THE GEOTECHNICAL ENGINEER SHALL OBSERVE THE STABILITY OF ANY EXISTING CLAY OR WEATHERED MATERIAL THAT IS PRESENT IN THE SUBBASE, AND SHALL DETERMINE WHETHER ADDITIONAL EXCAVATION OF THESE MATERIALS WILL BE REQUIRED. IF THIS MATERIAL IS DEEMED SUITABLE FOR SUBBASE MATERIAL, THE SUBGRADE SHALL BE SCARIFIED TO A DEPTH OF SIX (6) INCHES, ITS MOISTURE CONTENT ADJUSTED AS RECOMMENDED BY THE GEOTECHNICAL ENGINEER, AND THEN RE-COMPACTED TO BETWEEN NINETY-FIVE (95) PERCENT TO ONE HUNDRED (100) PERCENT OF THE OPTIMUM DENSITY DETERMINED BY THE STANDARD PROCTOR TEST, ASTM D - 698 PRIOR TO PLACEMENT OF FILL MATERIALS.
19. ALL SOILS USED FOR CONTROLLED FILL SHOULD BE FREE OF ROOTS, VEGETATION, AND OTHER DELETERIOUS OR UNDESIRABLE MATTER. ROCKS LESS THAN 3 INCHES IN LARGEST DIMENSION WILL BE ALLOWED AS ACCEPTABLE FILL MATERIAL. SOILS IMPORTED FROM OFF-SITE FOR USE AS FILL SHOULD BE APPROVED BY THE GEOTECHNICAL ENGINEER. THE FILL MATERIAL SHOULD BE PLACED IN LEVEL, UNIFORM LIFTS, WITH EACH LIFT COMPACTED TO THE MINIMUM DRY DENSITY WITHIN THE COMPACTION SOIL MOISTURE RANGES RECOMMENDED. THE LOOSE LIFT THICKNESS SHOULD NOT EXCEED 10 INCHES. EACH LAYER SHOULD BE PROPERLY PLACED, MIXED, SPREAD, AND COMPACTED TO BETWEEN NINETY-FIVE (95) AND ONE HUNDRED (100) PERCENT OF STANDARD PROCTOR DENSITY AT 0% TO 3% OF OPTIMUM MOISTURE CONTENT AS DETERMINED BY ASTM D 698.
20. THE PROPOSED CONTOURS INDICATED ON THE GRADING PLAN ARE FINISHED GRADES AND ARE SHOWN AT ONE-FOOT INTERVALS. SPOT ELEVATIONS SHOWN IN PAVED AREAS ARE TOP OF PAVEMENT, UNLESS NOTED OTHERWISE.
21. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MASS GRADING OF THE SITE TO THE FOLLOWING ELEVATIONS:
   - 8" BELOW FINISHED GRADE FOR ALL STREET PAVEMENT AREAS.
   - 4" BELOW FINISHED GRADE FOR ALL SIDEWALK PAVEMENT AREAS.
   - 6" BELOW FINISHED GRADE FOR ALL LANDSCAPE AREAS.

   A TOLERANCE OF +/- 0.10 FEET OF THE FINISHED GRADE WILL BE ALLOWED FOR ALL AREAS UNDER PROPOSED PAVEMENT. ALL LANDSCAPE AREAS ARE TO BE GRADED WITHIN +/- 0.30 FEET OF THE FINISHED GRADE.
22. ALL LANDSCAPE AREAS AND OTHER DISTURBED AREAS WITHIN THE LIMITS OF THE PROPERTY NOT DESIGNATED TO BE PAVED SHALL RECEIVE SIX (6) INCHES OF TOPSOIL. REFER TO THE EROSION AND SEDIMENT CONTROL PLANS AND/OR LANDSCAPE PLANS FOR LIMITS OF TOPSOIL PLACEMENT.
23. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CALCULATING THE EARTHWORK QUANTITIES BASED ON THE EXISTING AND PROPOSED CONTOURS AND SPOT ELEVATIONS SHOWN ON THESE PLANS. ALL EARTHWORK SHALL BE CONSIDERED UNCLASSIFIED EXCAVATION AND BID ON A LUMP SUM BASIS, UNLESS NOTED OTHERWISE.
24. THE CONTRACTOR SHALL MAKE NECESSARY PROVISIONS FOR THE SUPPORT AND PROTECTION OF ALL UTILITY POLES, FENCES, TREES, SHRUBS, UTILITY SERVICES, BUILDING FOUNDATIONS AND ALL OTHER UTILITIES AND STRUCTURES BOTH ABOVE AND BELOW THE GROUND, THE COST OF WHICH SHALL BE INCLUDED IN THE CONTRACT AMOUNT.
25. THE CONTRACTOR SHALL VERIFY THE ELEVATION, CONFIGURATION, AND ANGULATION OF EXISTING PAVEMENT PRIOR TO CONSTRUCTION OF TIE-IN MATERIALS. WHERE PROPOSED CONCRETE PAVEMENT TO EXISTING CONCRETE PAVEMENT IS TO BE CONSTRUCTED BY THE CONTRACTOR, AT LEAST 15" OF REINFORCING STEEL SHALL BE EXPOSED FROM THE EXISTING PAVEMENT, OR THE CONTRACTOR SHALL PROVIDE HORIZONTAL DOWEL BARS PER THE DETAILS.
26. NO PERSON SHALL OPEN, TURN OFF, INTERFERE WITH, ATTACH ANY HOSE TO, OR TAP ANY WATER MAIN BELONGING TO THE TOWN OF ADDISON UNLESS DULY AUTHORIZED TO DO SO BY THE TOWN OF ADDISON PUBLIC WORKS DEPARTMENT (972-450-2871).
27. ALL EXISTING AND PROPOSED IMPROVEMENTS (MANHOLE RIMS, CLEAN-OUTS, FIRE HYDRANTS, VALVE BOXES, WATER METERS AND VAULTS, ETC.) SHALL BE ADJUSTED TO FINAL FINISHED GRADE BY THE CONTRACTOR AT THE TIME OF PAVING.
28. PREPERATION OF SUBGRADE UNDER PAVED AREAS SHALL BE PERFORMED IN ACCORDANCE WITH THE TOWN OF ADDISON SPECIFICATIONS OR THE GEOTECHNICAL REPORT. THE MORE RESTRICTIVE REQUIREMENTS SHALL APPLY. PREPARATION OF THE SUBGRADE FOR PAVING WITHIN RIGHT-OF-WAY, STREET USE EASEMENTS AND/OR FIRE LANES SHALL NOT BE INITIATED UNTIL ALL TESTING OF UNDERGROUND UTILITIES HAS BEEN COMPLETED AND VERIFIED TO MEET THE SPECIFICATIONS AND AUTHORIZATION TO PROCEED HAS BEEN RECEIVED FROM THE INSPECTOR.
29. ALL FILL UNDER PAVEMENT AREAS SHALL BE COMPACTED TO A DENSITY OF AT LEAST NINETY-FIVE (95) PERCENT STANDARD PROCTOR AS PER ASTM D698 AT OR ABOVE OPTIMUM MOISTURE CONTENT (+-3%). LIFTS SHALL BE AS SPECIFIED IN THE GEOTECHNICAL REPORT AND AS APPROVED BY THE TOWN OF ADDISON. ALL FILL MATERIAL SHALL BE TESTED AS INSTALLED AND CERTIFIED BY AN APPROVED SOILS LABORATORY.
30. THE SUBGRADE SHALL BE PROOF-ROLLED WITH HEAVY PNEUMATIC EQUIPMENT. ANY SOFT OR PUMPING AREAS SHALL BE EXCAVATED TO FIRM SUBGRADE AND BACKFILLED AND RE-COMPACTED IN CONFORMANCE WITH THE GEOTECHNICAL REPORT. PAVEMENT SUBGRADE SHOULD NOT BE ALLOWED TO RETAIN WATER. WET MATERIAL SHALL BE REMOVED TO DRY, SOUND MATERIAL AND APPROPRIATE DENSITY ACHIEVED PRIOR TO PAVING OPERATIONS.
31. CONCRETE SHOULD BE PORTLAND CEMENT CONCRETE, CONFORMING TO THE REQUIREMENTS OF TxDOT ITEM 421, PORTLAND CEMENT CONCRETE CLASS "P".
32. HYDRATED LIME (IF REQUIRED) SHALL MEET THE REQUIREMENTS OF TxDOT ITEM 260, LIME TREATMENT USED AS SUBGRADE. LIME SHALL BE APPPLIED AT THE RATE AND THICKNESS AS RECOMMENDED IN THE GEOTECHNICAL REPORT, THOROUGHLY MIXED AND BLENDED WITH THE SUBGRADE AND UNIFORMLY COMPACTED TO A MINIMUM OF 100 PERCENT OF STANDARD PROCTOR (ASTM D698) DETERMINED BY THAT TEST. LIME STABILIZATION SHALL EXTEND ONE (1) FOOT OUTSIDE THE LIMITS OF THE PAVED AREA. IT SHOULD BE PROTECTED AND MAINTAINED IN A MOIST CONDITION UNTIL THE PAVEMENT IS PLACED.
33. THE CONTRACTOR SHALL SCHEDULE AND COORDINATE HIS WORK WITH TRENCHING OPERATIONS FOR OTHER UTILITIES INCLUDING GAS, TELEPHONE, AND ELECTRIC SERVICES, LANDSCAPE IRRIGATION CONDUITS, LIGHTING CONDUITS, STREETSCAPE IMPROVEMENTS, ETC. AND SHALL PROVIDE BLOCKOUTS AND/OR FINAL ADJUSTMENT TO FINISH GRADE FOR ALL IMPROVEMENTS, EXISTING AND PROPOSED, WITHIN THE LIMITS OF THE PAVING WORK.
34. ALL CURB SHOWN IS TO BE SIX (6) INCHES HIGH.
35. EXPANSION JOINT MATERIAL SHALL EXTEND COMPLETELY THROUGH THE CURB.
36. ALL REINFORCING BARS SHALL BE GRADE 40 KSI DEFORMED REINFORCING STEEL. SIZE AND SPACING SHALL BE IN ACCORDANCE WITH THE DETAILS. WHERE BARS ARE SPLICED, A 30" DIAMETER LAP SHALL BE USED.
37. ALL REINFORCING STEEL AND DOWEL BARS IN PAVEMENT SHALL BE SUPPORTED AND MAINTAINED AT THE CORRECT CLEARANCES BY THE USE OF BAR CHAIRS OR OTHER APPROVED SUPPORTS.
38. THE CONTRACTOR SHALL PROCEED WITH PAVING NO MORE THAN SEVENTY-TWO (72) HOURS AFTER DENSITY/MOISTURE TESTS HAVE BEEN TAKEN AND PASSED BY THE TESTING FIRM. COMPIES OF THE TEST RESULTS SHALL BE FURNISHED TO THE CITY. IN THE EVENT PAVING OPERATIONS HAVE NOT COMMENCED WITHIN THE SEVENTY-TWO (72) HOUR LIMIT, A RETEST SHALL BE REQUIRED AT THE CONTRACTOR'S EXPENSE.
39. CONCRETE SHALL NOT BE PLACED WHEN THE TEMPERATURE IS BELOW 40 DEGREES FAHRENHEIT AND FALLING, BUT MAY BE PLACED WHEN THE TEMPERATURE IS ABOVE 35 DEGREES AND RISING. THE TEMPERATURE READING SHALL BE TAKEN IN THE SHADE AND AWAY FROM ARTIFICIAL HEAT.
40. CONSTRUCTION OF SIDEWALKS, WHEELCHAIR RAMPS AND ACCESSIBLE ROUTES SHALL BE IN ACCORDANCE WITH THE TEXAS ACCESSIBILITY STANDARDS (TAS) AND/OR THE AMERICANS DISIBILITY ACT (ADA). ALL CONCRETE FOR HANDICAP RAMPS SHALL HAVE TRUNCATED DOMES.
41. PAVEMENT MARKINGS SHALL BE PROVIDED IN ACCORDANCE WITH THE TEXAS "UNIFORM TRAFFIC MANUAL FOR PAVEMENT MARKINGS". FIRE LANES SHALL BE STRIPED IN ACCORDANCE WITH THE TOWN OF ADDISON'S REQUIREMENTS. ALL HANDICAP SYMBOLS, SIGNAGE AND PAVEMENT MARKINGS SHALL COMPLY WITH TAS AND/OR ADA STANDARDS.
42. MEMBRANE CURING TYPE 2, WHITE PIGMENTED, SHALL BE USED FOR CURING ALL CONCRETE SURFACES IMMEDIATELY AFTER FINISHING OF SURFACES AND SHALL BE IN ACCORDANCE WITH THE TxDOT ITEM #526.
43. THE CONTRACTOR SHALL ASSUME RESPONSIBILITY FOR REPAIRS TO ALL EXISTING FACILITIES DAMAGED BY HIS ACTIVITIES.
44. THE CONTRACTOR SHALL PROVIDE PAVEMENT JOINTING IN ACCORDANCE WITH THE FOLLOWING REQUIREMENTS:
   - A. SAW CUTTING SHALL BE DONE WITHIN EIGHT (8) HOURS OF POUR OR AS SOON AS CONCRETE CAN SUPPORT WEIGHT. PROVIDE A NEAT CUT WHICH IS TRUE IN ALIGNMENT.
   - B. CONTRACTOR SHALL MARK JOINT LOCATIONS AT THE CENTERLINE OF DOWEL LENGTH DURING HIS PAVING OPERATIONS.
   - C. ALL JOINTS ARE TO CONTINUE THROUGH THE CURB.
   - D. RADIAL JOINTS SHALL BE NO SHORTER THAN EIGHTEEN (18) INCHES.
   - E. ALL CONSTRUCTION JOINTS SHALL BE SAWN, CLEANED OF DEBRIS, BLOWN DRY AND IMMEDIATELY SEALED.
   - F. ODD SHAPED PANELS SHALL BE REINFORCED WITH #3 BARS AT 18" EACH WAY. AN ODD SHAPED PANEL IS CONSIDERED TO BE ONE IN WHICH THE SLAB TAPERS TO A SHARP ANGLE WHEN THE LENGTH TO WIDTH RATIO EXCEEDS 3 TO 1 OR WHEN A SLAB IS NEITHER SQUARE NOR RECTANGULAR.
   - G. THE CONTRACTOR SHALL SUBMIT HIS DESIRED JOINT LAYOUT PLAN TO THE ENGINEER FOR APPROVAL PRIOR TO BEGINNING WORK.
45. THE CONTRACTOR SHALL PROVIDE VERIFICATION OF COMPLETION AND COMPLIANCE OF ANY AND ALL REQUIRED TESTS TO THE TOWN OF ADDISON.
46. THE CONTRACTOR SHALL CALL (972) 450-2847 TO REQUEST A FINAL WALK-THROUGH INSPECTION OF THE PUBLIC INFRASTRUCTURE WORK.

STATE OF TEXAS
BRUCE F. DUNNE
62654
LICENSED PROFESSIONAL ENGINEER

NO.	REVISION	BY	DATE

Addison

TOWN OF ADDISON
DALLAS COUNTY, TEXAS

PARK AND STREETSCAPE IMPROVEMENTS
VITRUVIAN PARK

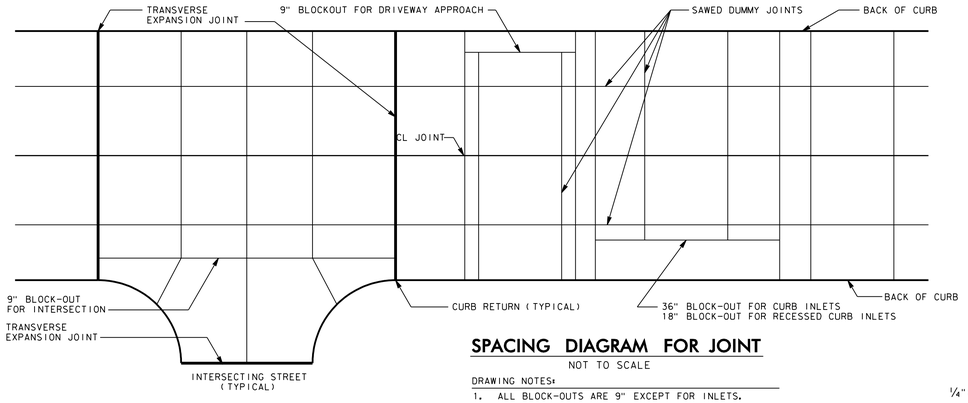
PAVEMENT SECTION & GENERAL NOTES

icon Consulting Engineers, Inc.
Civil Engineers - Designers - Planners
250 W. Southlake Blvd., Suite 117
Southlake, Tx 76092 (817) 552-6210

PROJECT	DESIGN	DRAWN	DATE	FILE	SHEET
5029-01	ICE	ICE	APR 26, 2010	PW# 2009-04	C606

PARK AND STREETSCAPE IMPROVEMENTS – VITRUVIAN PARK

RECORD DRAWINGS 06/18/12



SPACING DIAGRAM FOR JOINT

NOT TO SCALE

DRAWING NOTES:

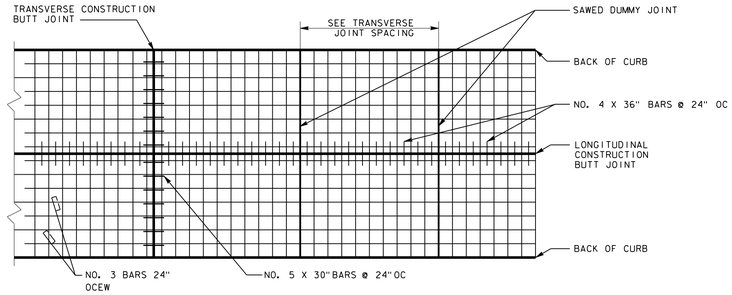
1. ALL BLOCK-OUTS ARE 9" EXCEPT FOR INLETS.
2. END OF EACH BLOCK-OUT TO HAVE TRANSVERSE JOINT.

TRANSVERSE JOINT SPACING	
PAVEMENT THICKNESS	SPACING
T = 5"	10 FEET
T = 6"	12 FEET
T = 7"	14 FEET
T = 8"	16 FEET

TRANSVERSE EXPANSION JT SPACING
VARIES (200' C-C MAXIMUM)

LONGITUDINAL JOINT SPACING	
STREET WIDTH	SPACING
22' TO 30'	ON CL
36' & 40'	ON CL & 8' FROM BACK OF CURB
38'	6' LT & RT OFF CL
44'	ON CL AND 11' OFF CL
48'	ON CL AND 12' OFF CL
60'	6' AND 18' OFF CL
76'	8', 20' AND 32' OFF CL

JOINT DEPTH	
PAVEMENT THICKNESS	JOINT DEPTH
T = 5"	1 1/4"
T = 6"	1 1/2"
T = 7"	1 3/4"
T = 8"	2"

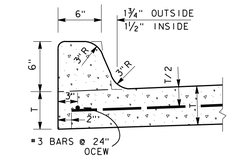


PLAN OF STEEL LAYOUT

NOT TO SCALE

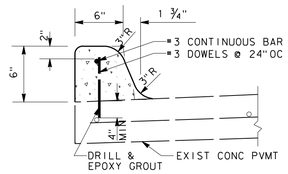
DRAWING NOTES:

1. THE REINFORCING STEEL WILL EXTEND THROUGH LONGITUDINAL CONSTRUCTION BUTT, SAWED DUMMY, AND TRANSVERSE CONSTRUCTION BUTT JOINTS.



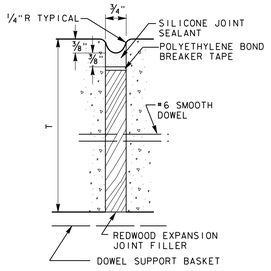
MONOLITHIC CURB

NOT TO SCALE



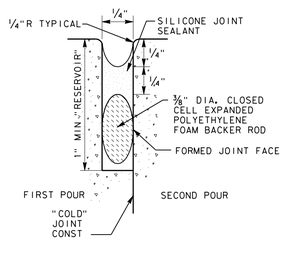
ATTACHED CURB

NOT TO SCALE



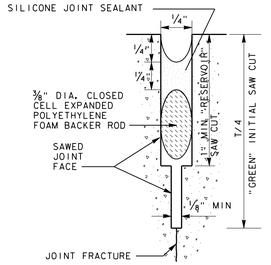
JOINT DETAIL A
SEAL FOR TRANSVERSE EXPANSION JOINT

NOT TO SCALE



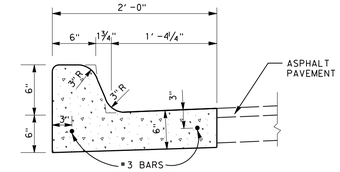
JOINT DETAIL B
SEAL FOR LONGITUDINAL AND TRANSVERSE CONSTRUCTION BUTT JOINT

NOT TO SCALE



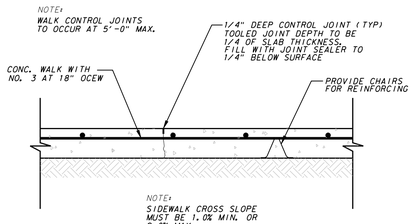
JOINT DETAIL C
SEAL FOR SAWED DUMMY JOINT

NOT TO SCALE



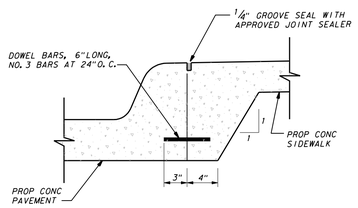
6" CURB AND GUTTER

NOT TO SCALE



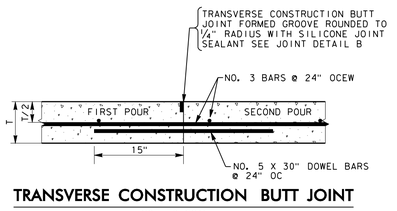
SIDEWALK CONTROL JOINT

NOT TO SCALE



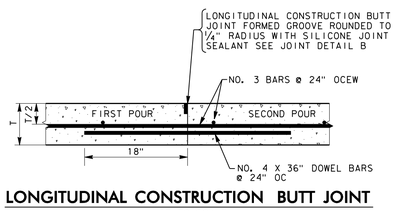
JOINT DETAIL FOR SIDEWALK ADJACENT TO CURB

NOT TO SCALE



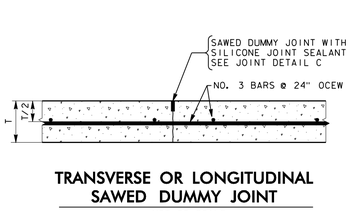
TRANSVERSE CONSTRUCTION BUTT JOINT

NOT TO SCALE



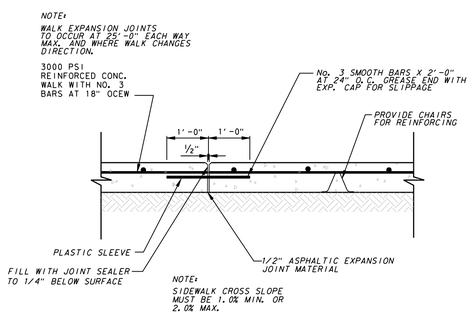
LONGITUDINAL CONSTRUCTION BUTT JOINT

NOT TO SCALE



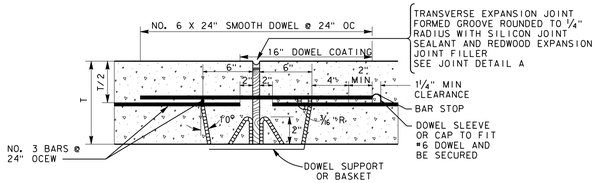
TRANSVERSE OR LONGITUDINAL SAWED DUMMY JOINT

NOT TO SCALE



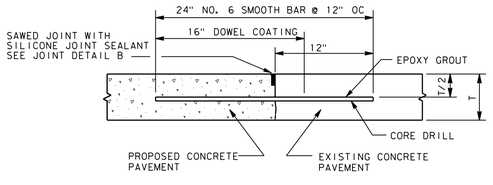
SIDEWALK EXPANSION JOINT

NOT TO SCALE



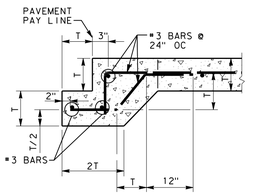
TRANSVERSE EXPANSION JOINT

NOT TO SCALE



PROPOSED TO EXISTING CONCRETE PAVEMENT

NOT TO SCALE



CONCRETE STREET HEADER

NOT TO SCALE

NOTE:
PAVEMENT BARS TO BE BENT DOWN INTO HEADER. HEADER & PAVEMENT TO BE MONOLITHIC. (CONC HEADER TO BE PAID FOR PER LINEAR FOOT)

STATE OF TEXAS
BRUCE F. DUNNE
62654
LICENSED PROFESSIONAL ENGINEER

NO.	REVISION	BY	DATE

TOWN OF ADDISON
DALLAS COUNTY, TEXAS

PARK AND STREETSCAPE IMPROVEMENTS
VITRUVIAN PARK

PAVING DETAILS

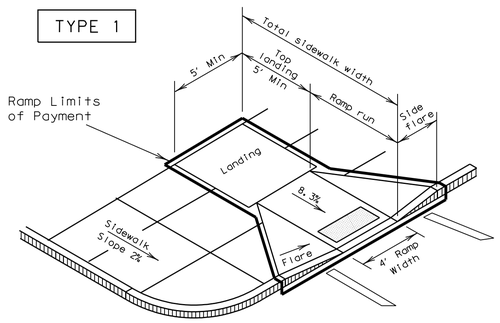
icon Consulting Engineers, Inc.
Civil Engineers - Designers - Planners
250 W. Southlake Blvd., Suite 117
Southlake, Tx 76092 (817) 552-6210

PROJECT	DESIGN	DRAWN	DATE	FILE	SHEET
5029-01	ICE	ICE	APR 26, 2010	PW# 2009-04	C607

RECORD DRAWINGS 06/18/12

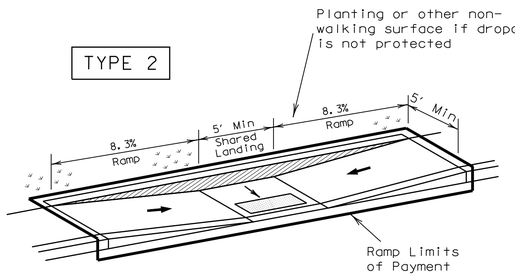
PARK AND STREETSCAPE IMPROVEMENTS - VITRUVIAN PARK

TYPE 1



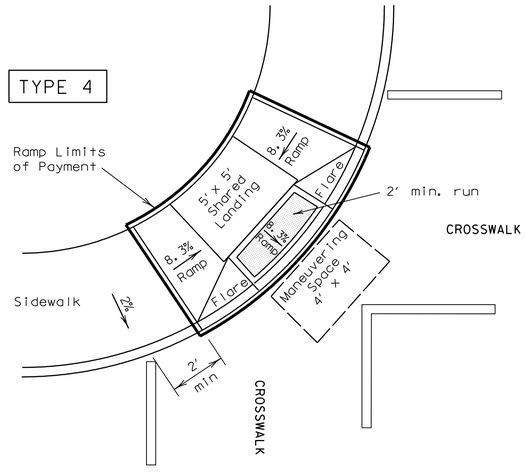
PERPENDICULAR CURB RAMP

TYPE 2



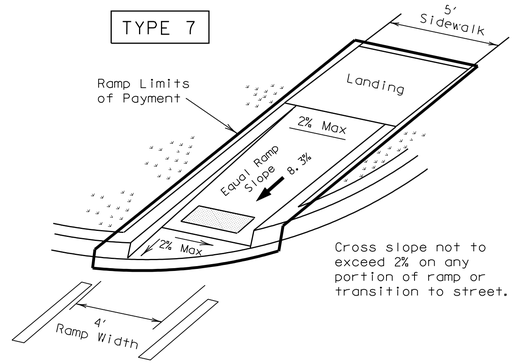
PARALLEL CURB RAMP
(Use only where water will not pond in the landing.)

TYPE 4



DIAGONAL COMBINATION CURB RAMP
Perpendicular to the Tangent of the Curb Radius and Contained in Crosswalk

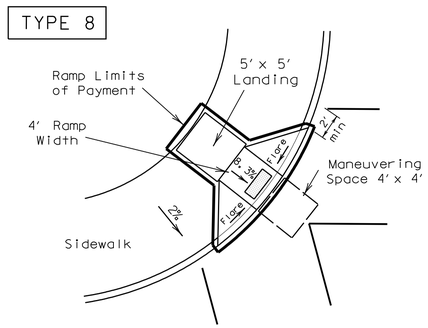
TYPE 7



Cross slope not to exceed 2% on any portion of ramp or transition to street.

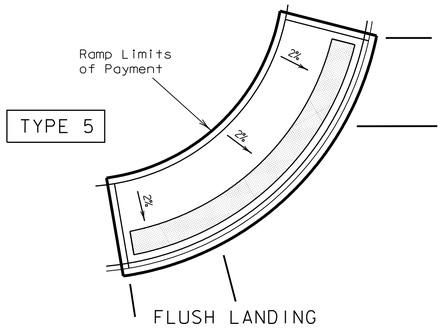
DIRECTIONAL RAMP WITHIN RADIUS
(Sidewalk set back from curb)

TYPE 8



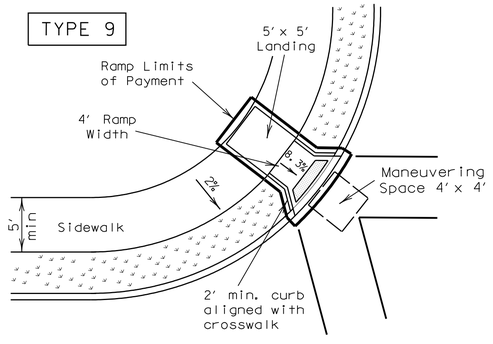
DIAGONAL CURB RAMP (FLARED SIDES)

TYPE 5

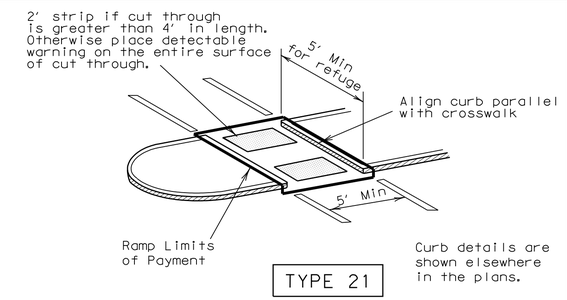


FLUSH LANDING

TYPE 9



DIAGONAL CURB RAMP (RETURNED CURB)

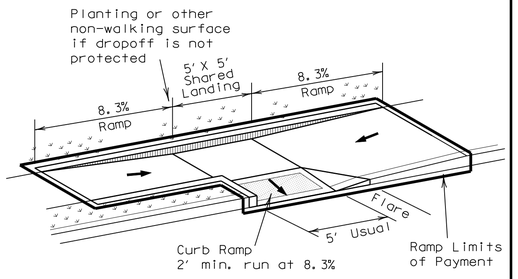


TYPE 20

TYPE 21

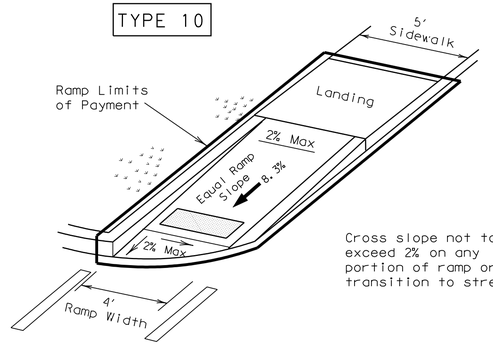
Curb details are shown elsewhere in the plans.

CURB RAMPS AT MEDIAN ISLANDS



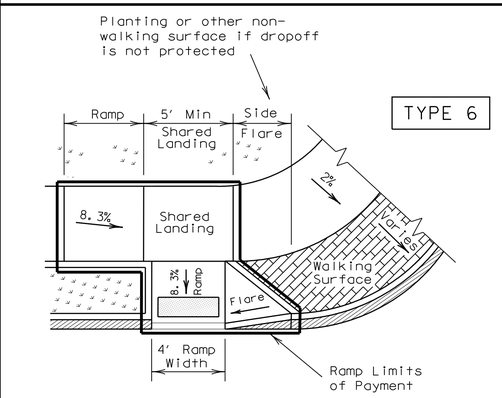
TYPE 3

TYPE 10



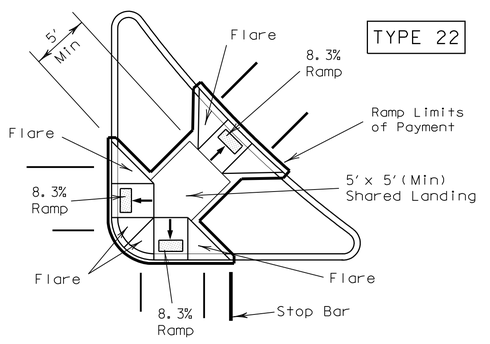
Cross slope not to exceed 2% on any portion of ramp or transition to street.

DIRECTIONAL RAMP WITHIN RADIUS
(Sidewalk adjacent to curb)



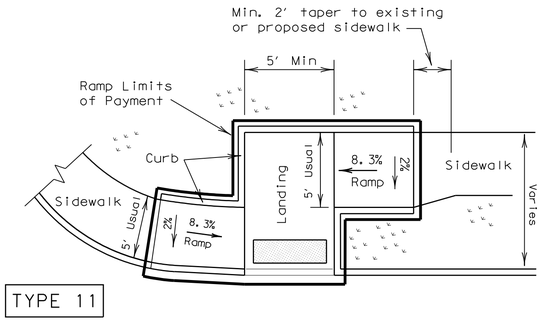
TYPE 6

COMBINATION CURB RAMPS



TYPE 22

COMBINATION ISLAND RAMPS



TYPE 11

OFFSET PARALLEL CURB RAMP

NOTES:

See General Notes on sheet 2 of 4 for more information.

Denotes planting or non-walking surface.

Texas Department of Transpo
Design Division (Roadway)

PEDESTRIAN FACILITIES
CURB RAMPS

PED-05

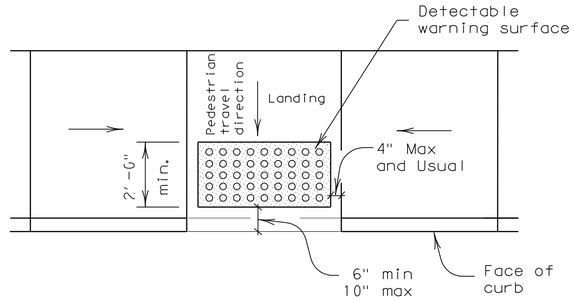
SHEET 1 OF 4

FILE: ped05.dgn	DN: EH	CK:	DW: BGD	CK:	
© TxDOT March 2002	DIST	FEDERAL AID PROJECT			SHEET
REVISIONS					C608
	COUNTY		CONTROL	SECT	JOB	HIGHWAY

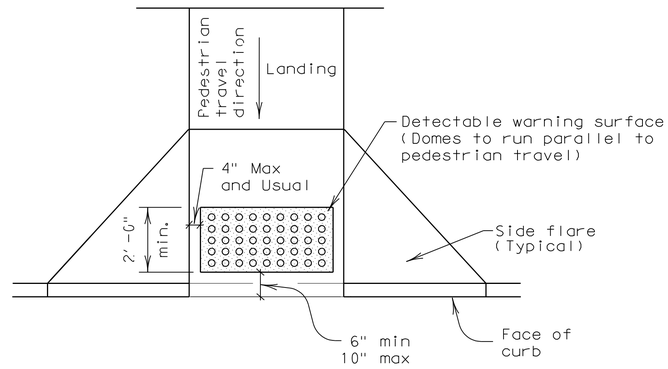
DETECTABLE WARNINGS

General Notes for Detectable Warnings

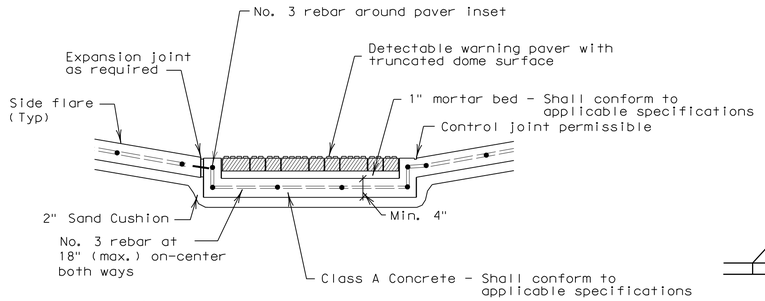
1. Curb ramps must contain a detectable warning surface that consists of raised truncated domes complying with Section 4.29 of the Texas Accessibility Standards (TAS). The surface must contrast visually with adjoining surfaces, including side flares. Furnish dark brown or dark red detectable warning surface adjacent to uncolored concrete, unless specified elsewhere in the plans.
2. Detectable warning surfaces must be slip resistant and not allow water to accumulate.
3. Align truncated domes in the direction of pedestrian travel when entering the street.
4. Shaded areas on Sheet 1 of 4 indicate the approximate location for the detectable warning surface for each curb ramp type.
5. Detectable warning surfaces shall be a minimum of 24" in depth in the direction of pedestrian travel, and extend the full width of the curb ramp or landing where the pedestrian access route enters the street.
6. Detectable warning surfaces shall be located so that the edge nearest the curb line is a minimum of 6" and a maximum of 10" from the extension of the face of curb. Detectable warning surfaces may be curved along the corner radius.
7. TxDOT maintains a list of Qualified Detectable Warning Materials. Details are provided herein for the placement of landscape pavers. For other materials, refer to the manufacturer's product manual for proper installation.



Typical placement of detectable warning surface on landing at street edge.



Typical placement of detectable warning surface on sloping ramp run.

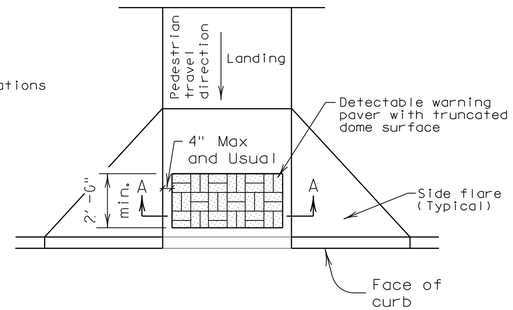


Section A-A

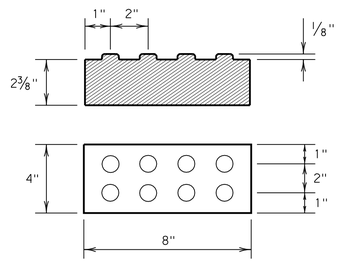
General Notes (Pavers)

Furnish detectable warning paver units meeting all requirements of ASTM C-936, C-33. Lay in a two by two unit basket weave pattern or as directed.

Lay full-size units first followed by closure units consisting of at least 25 percent of a full unit. Cut detectable warning paver units using a power saw.



Truncated Dome Pattern Curb Ramp



Detectable Warning Paver

DETECTABLE WARNING PAVER (OPTION)

Pedestrian Facilities General Notes

1. All slopes are maximum allowable. The least possible slope that will still drain properly should be used. Adjust curb ramp length or grade of approach sidewalks as directed.
2. The minimum sidewalk width is 5'. Where the sidewalk is adjacent to the back of curb, a 6' sidewalk width is encouraged. Where a 5' sidewalk can not be provided due to site constraints, a minimum 3' sidewalk with 5'x 5' passing areas at intervals not to exceed 200' is required.
3. Landings shall be 5'x 5' minimum with a maximum 2% slope in any direction.
4. Maneuvering space at the bottom of curb ramps shall be a minimum of 4'x 4' wholly contained within the crosswalk and wholly outside the parallel vehicular travel path.
5. Maximum allowable cross slope on sidewalk and curb ramp surfaces is 2%.
6. Curb ramps with returned curbs may be used only where pedestrians would not normally walk across the ramp, either because the adjacent surface is planting or other non-walking surface or because the side approach is substantially obstructed. Otherwise, provide flared sides.
7. Additional information on curb ramp location, design, light reflective value and texture may be found in the current edition of the Texas Accessibility Standards (TAS) and 16 TAC §68.102.
8. To serve as a pedestrian refuge area, the median should be a minimum of 5' wide. Medians should be designed to provide accessible passage over or through them.
9. Small channelization islands, which do not provide a minimum 5'x 5' landing at the top of curb ramps, shall be cut through level with the surface of the street.
10. Crosswalk dimensions, crosswalk markings and stop bar locations shall be as shown elsewhere in the plans. At intersections where crosswalk markings are not required, curb ramps shall be aligned with theoretical crosswalks, or as directed by the Engineer.
11. Existing features that comply with TAS may remain in place unless otherwise shown on the plans.
12. Handrails are not required on curb ramps. Provide curb ramps wherever on accessible route crosses (penetrates) a curb.
13. Curb ramps and landings shall be constructed and paid for in accordance with Item 531 "Sidewalks".
14. Separate curb ramp and landings from adjacent sidewalk and any other elements with premold or board joint of ¾" unless otherwise directed by the Engineer.
15. Provide a smooth transition where the curb ramps connect to the street.
16. Curbs shown on sheet 1 within the limits of payment are considered part of the curb ramp for payment, whether it is concrete curb, gutter, or combined curb and gutter.
17. Flare slope shall not exceed 10% measured along curb line.

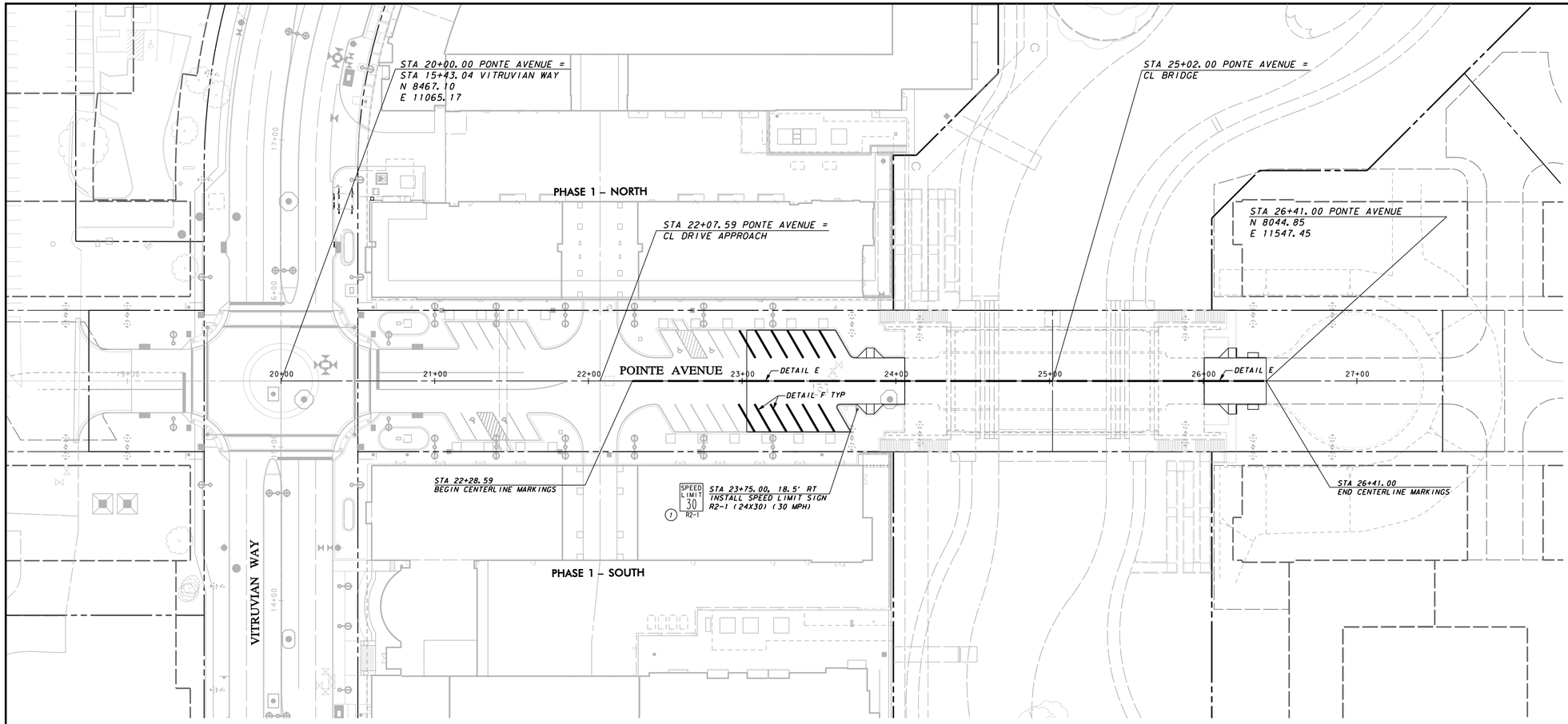
Texas Department of Transpo
Design Division (Roadway)

PEDESTRIAN FACILITIES

GENERAL NOTES AND DETECTABLE WARNINGS

PED-05

FILE: ped05.dgn	DN: EH	CK:	DW: BGD	CK:	
© TxDOT March 2002	DIST	FEDERAL AID PROJECT			SHEET
REVISIONS					C609
	COUNTY		CONTROL	SECT	JOB	HIGHWAY



PAVEMENT MARKING & SIGNAGE NOTES:

1. SIGN LOCATIONS SHOWN ON PLANS ARE DIAGRAMMATIC. SIGNS WILL BE PLACED IN CONFORMANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, LATEST ADDITION.
2. REFLECTIVE SHEETING WILL BE DESIGNATED AS:
   TYPE A=ENGINEER GRADE
   TYPE B=SUPER ENGINEER GRADE
   TYPE C=HIGH INTENSITY PRISMATIC
3. BREAKAWAY SUPPORT IS TO BE PROVIDED.
4. DO NOT REMOVE EXISTING PAVEMENT MARKINGS OR SIGNAGE PRIOR TO NEW ROADWAY OPENING TO TRAFFIC.
5. ALL PAVEMENT MARKINGS TO BE ALKYD THERMOPLASTIC WITH 0.090 INCHES THICKNESS.

SUMMARY OF SMALL SIGNS (WITHOUT REMOVABLE COPY)

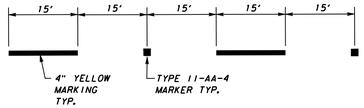
SIGN NO. ○	SIGN TYPE	SIGN TEXT	SIGN DIMENSIONS (INCHES)	REFLECTIVE SHEETING	PLYWOOD TYPE A	ALUMINUM TYPE A	TYPE OF MOUNT	QUANTITY
1	R2-1	SPEED LIMIT	24X30	C		X	A	1

WARNING

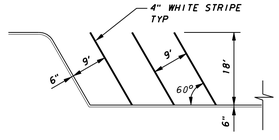
CONTRACTOR IS TO CONTACT TEXAS ONE-CALL SYSTEM (1-800-245-4545) OR OTHER UTILITY LOCATING SERVICES AT LEAST 48 HOURS PRIOR TO CONSTRUCTION ACTIVITIES. ICON CONSULTING ENGINEERS, INC. IS NOT RESPONSIBLE FOR KNOWING ALL EXISTING UTILITIES IN THE PROJECT AREA NOR FOR DEPICTING THE EXACT LOCATIONS OF UTILITIES ON THESE DRAWINGS.

BM #1 REF. ELEVATION = 559.47
SQUARE CUT IN TOP OF CURB, SOUTH MEDIAN END NOSE, MARSH LANE
1127' NORTH OF VITRUVIAN WAY.

BM #2 REF. ELEVATION = 547.84
SQUARE CUT IN TOP OF CURB, NORTH MEDIAN END NOSE, AT INTERSECTION OF VITRUVIAN WAY AND MARSH LANE.



DETAIL E
TYPICAL CENTERLINE MARKINGS
NOT TO SCALE



DETAIL F
TYPICAL 60° PARKING
NOT TO SCALE

STATE OF TEXAS
BRUCE F. DUNNE
62654
LICENSED PROFESSIONAL ENGINEER

NO.	REVISION	BY	DATE

TOWN OF ADDISON
DALLAS COUNTY, TEXAS

PARK AND STREETSCAPE IMPROVEMENTS
VITRUVIAN PARK

PAVEMENT MARKING AND SIGNAGE-PA
STA 22+07.59 TO STA 26+41.00

icon Consulting Engineers, Inc.
Civil Engineers - Designers - Planners
250 W. Southlake Blvd., Suite 117
Southlake, Tx 76092 (817) 552-6210

PROJECT	DESIGN	DRAWN	DATE	FILE	SHEET
5029-01	ICE	ICE	APR 26, 2010	PW# 2009-04	C610

PARK AND STREETSCAPE IMPROVEMENTS – VITRUVIAN PARK

RECORD DRAWINGS 06/18/12

MATCHLINE SHT C702

PONTE AVENUE (UNDER SEPARATE CONTRACT)

VP102
(UNDER CONSTRUCTION)

VITRUVIAN WAY
UNDER SEPARATE CONTRACT

VITRUVIAN PARK

FARMERS BRANCH CREEK

MAINTAIN EXIST SILT FENCE

REMOVE EXIST EROSION CONTROL BLANKET

REMOVE EXIST SILT FENCE

MAINTAIN EXIST CONSTRUCTION ENTRANCE

REMOVE EXIST INLET PROTECTION

REMOVE EXIST CONSTRUCTION ENTRANCE

PROPERTY CORNER
N 8504.63
E 12378.17

MATCHLINE SHT C703

NORTH

0 20 40 60 80
GRAPHIC SCALE IN FEET
SCALE: 1"=40'

EROSION CONTROL NOTES

1. GENERAL CONSTRUCTION NOTES: REFER TO SHEET C100 "GENERAL CONSTRUCTION NOTES, LEGEND AND ABBREVIATIONS" FOR THE GENERAL CONSTRUCTION NOTES FOR THE PROJECT.

2. SWPPP COMPLIANCE: THE CONTRACTOR SHALL BE REQUIRED TO COMPLY WITH THE CONDITIONS OF THE STORM WATER POLLUTION PREVENTION PLAN (SWPPP) WHILE CONDUCTING HIS ACTIVITIES ON THIS PROJECT. IN ADDITION TO CONSTRUCTING THOSE ITEMS INDICATED ON THE PLAN SHEETS, COMPLIANCE WITH THE SWPPP INCLUDES CONFORMANCE TO CERTAIN PRACTICES AND PROCEDURES (IDENTIFIED IN THE SWPPP) DURING PROJECT CONSTRUCTION. THE SWPPP PLANS AND DOCUMENTS ARE PROVIDED FOR THE SOLE BENEFIT OF THE CONTRACTOR AS A PLANNING TOOL FOR COMPLYING WITH THE ENVIRONMENTAL REGULATIONS OF THIS PROJECT. THE CONTRACTOR IS EXPECTED TO PROVIDE, EXPAND, SUBMIT AND MONITOR A FULL COMPREHENSIVE SWPPP BEYOND WHAT IS HEREIN PROVIDED.

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4. CLEANING, REPAIR AND MAINTENANCE: THE CONTRACTOR SHALL REFER TO THE SWPPP FOR SEQUENCING OF CONSTRUCTION, INSTALLATION OF NEW EROSION CONTROL DEVICES AND CLEANING, REPAIR AND MAINTENANCE OF EXISTING EROSION CONTROL DEVICES. THE CONTRACTOR SHALL REVISE, RELOCATE AND/OR ADD DEVICES TO REFLECT ACTUAL SITE CONDITIONS AND TO ACCOMMODATE LOCATIONS FOR CONSTRUCTION TRAILER AREAS, STORAGE AREAS, FUELING AREAS, TOILETS, TRASH RECEPTACLES AND WASHOUT AREAS. ANY ACCIDENTAL RELEASE OF SEDIMENT OR POLLUTANTS FROM THE SITE SHALL BE CLEANED BY THE CONTRACTOR.

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LEGEND

SILT FENCE — SF

EXISTING SILT FENCE — SF

INLET PROTECTION — IP

STABILIZED CONSTRUCTION ENTRANCE — CE

EROSION CONTROL BLANKET CURLEX II OR APPROVED EQ. NATURAL COLOR

BM #1 REF. ELEVATION = 559.47
SQUARE CUT IN TOP OF CURB, SOUTH MEDIAN END NOSE, MARSH LANE 1127' NORTH OF VITRUVIAN WAY.

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SQUARE CUT IN TOP OF CURB, NORTH MEDIAN END NOSE, AT INTERSECTION OF VITRUVIAN WAY AND MARSH LANE.

STATE OF TEXAS
BRUCE F. DUNNE
62654
LICENSED PROFESSIONAL ENGINEER
06/18/12

NO.	REVISION	BY	DATE

Addison

TOWN OF ADDISON
DALLAS COUNTY, TEXAS

PARK AND STREETSCAPE IMPROVEMENTS
VITRUVIAN PARK

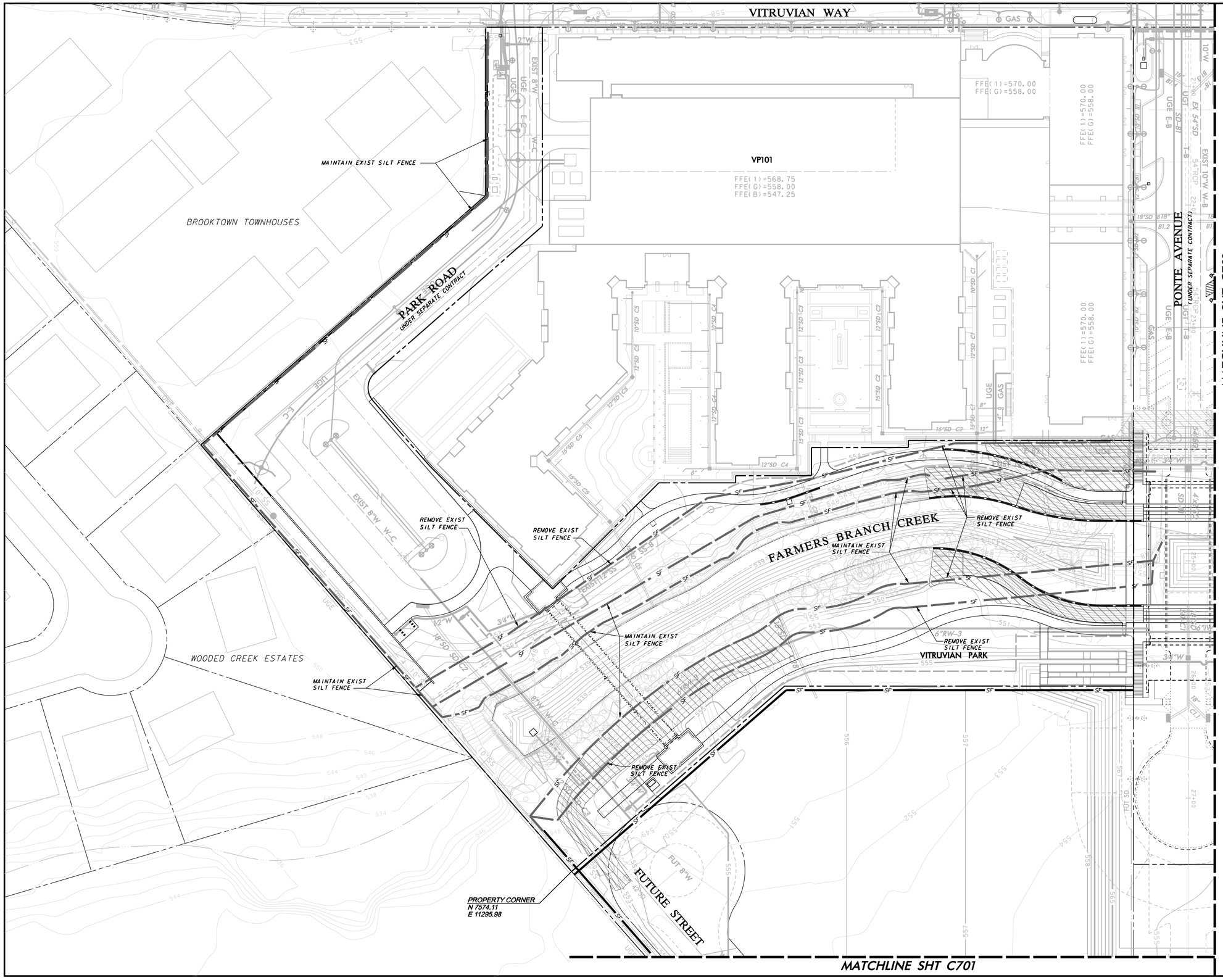
EROSION & SEDIMENT CONTROL PLAN NORTH

icon Consulting Engineers, Inc.
Civil Engineers - Designers - Planners
250 W. Southlake Blvd., Suite 117
Southlake, Tx 76092 (817) 552-6210

PROJECT	DESIGN	DRAWN	DATE	FILE	SHEET
5029-01	ICE	ICE	APR 26, 2010	PW# 2009-04	C701

PARK AND STREETSCAPE IMPROVEMENTS - VITRUVIAN PARK

RECORD DRAWINGS 06/18/12



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LEGEND

- SILT FENCE — SF
- EXISTING SILT FENCE — SF
- INLET PROTECTION (IP)
- STABILIZED CONSTRUCTION ENTRANCE (CE)
- EROSION CONTROL BLANKET CURLEX II OR APPROVED EQ. NATURAL COLOR

NORTH

0 20 40 60 80
GRAPHIC SCALE IN FEET
SCALE: 1"=40'

BM #1 REF. ELEVATION = 559.47
SQUARE CUT IN TOP OF CURB, SOUTH MEDIAN END NOSE, MARSH LANE 1127' NORTH OF VITRUVIAN WAY.

BM #2 REF. ELEVATION = 547.84
SQUARE CUT IN TOP OF CURB, NORTH MEDIAN END NOSE, AT INTERSECTION OF VITRUVIAN WAY AND MARSH LANE.

STATE OF TEXAS
BRUCE F. DUNNE
62654
LICENSED
PROFESSIONAL ENGINEER

NO.	REVISION	BY	DATE

TOWN OF ADDISON
DALLAS COUNTY, TEXAS

PARK AND STREETSCAPE IMPROVEMENTS
VITRUVIAN PARK

EROSION & SEDIMENT CONTROL PLAN SOUTH

icon Consulting Engineers, Inc.
Civil Engineers - Designers - Planners
250 W. Southlake Blvd., Suite 117
Southlake, Tx 76092 (817) 552-6210

PROJECT	DESIGN	DRAWN	DATE	FILE	SHEET
5029-01	ICE	ICE	APR 26, 2010	PW# 2009-04	C702

RECORD DRAWINGS 06/18/12

PARK AND STREETSCAPE IMPROVEMENTS – VITRUVIAN PARK

MATCHLINE SHT C702

MATCHLINE SHT C701

FUTURE STREET

PROPERTY CORNER
N 7572.77
E 11776.02

PROPERTY CORNER
N 7571.07
E 12380.18

EROSION CONTROL NOTES

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2. SWPPP COMPLIANCE: THE CONTRACTOR SHALL BE REQUIRED TO COMPLY WITH THE CONDITIONS OF THE STORM WATER POLLUTION PREVENTION PLAN (SWPPP) WHILE CONDUCTING HIS ACTIVITIES ON THIS PROJECT. IN ADDITION TO CONSTRUCTING THOSE ITEMS INDICATED ON THE PLAN SHEETS, COMPLIANCE WITH THE SWPPP INCLUDES CONFORMANCE TO CERTAIN PRACTICES AND PROCEDURES (IDENTIFIED IN THE SWPPP) DURING PROJECT CONSTRUCTION. THE SWPPP PLANS AND DOCUMENTS ARE PROVIDED FOR THE SOLE BENEFIT OF THE CONTRACTOR AS A PLANNING TOOL FOR COMPLYING WITH THE ENVIRONMENTAL REGULATIONS OF THIS PROJECT. THE CONTRACTOR IS EXPECTED TO PROVIDE, EXPAND, SUBMIT AND MONITOR A FULL COMPREHENSIVE SWPPP BEYOND WHAT IS HEREIN PROVIDED.

3. BMP INSTALLATION: PRIOR TO COMMENCING GRADING OPERATIONS, THE CONTRACTOR SHALL INSTALL ALL SWPPP MEASURES AND DEVICES AS INDICATED ON THE EROSION & SEDIMENT CONTROL PLAN. ALL SWPPP MEASURES AND DEVICES SHALL BE IN ACCORDANCE WITH SPECIFICATIONS AND DETAILS SHOWN IN THE NORTH CENTRAL TEXAS COUNCIL OF GOVERNMENTS CONSTRUCTION "BEST MANAGEMENT PRACTICES" (BMP) MANUAL, OR AS MODIFIED BY THE CONTRACT DOCUMENTS.

4. CLEANING, REPAIR AND MAINTENANCE: THE CONTRACTOR SHALL REFER TO THE SWPPP FOR SEQUENCING OF CONSTRUCTION, INSTALLATION OF NEW EROSION CONTROL DEVICES AND CLEANING, REPAIR AND MAINTENANCE OF EXISTING EROSION CONTROL DEVICES. THE CONTRACTOR SHALL REVISE, RELOCATE AND/OR ADD DEVICES TO REFLECT ACTUAL SITE CONDITIONS AND TO ACCOMMODATE LOCATIONS FOR CONSTRUCTION TRAILER AREAS, STORAGE AREAS, FUELING AREAS, TOILETS, TRASH RECEPTACLES AND WASHOUT AREAS. ANY ACCIDENTAL RELEASE OF SEDIMENT OR POLLUTANTS FROM THE SITE SHALL BE CLEANED BY THE CONTRACTOR.

5. SITE ENTRY/EXIT LOCATIONS: SITE ENTRY AND EXIT LOCATIONS SHALL BE MAINTAINED BY THE CONTRACTOR IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC ROADWAYS. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC ROADWAYS MUST BE REMOVED IMMEDIATELY. WHEN WASHING OF VEHICLES IS REQUIRED TO REMOVE SEDIMENT PRIOR TO ENTRANCE TO A PUBLIC ROADWAY, IT SHALL BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE WHICH DRAINS INTO AN APPROVED SEDIMENT BASIN. ALL FINES IMPOSED FOR TRACKING ONTO PUBLIC ROADS SHALL BE PAID BY THE CONTRACTOR.

6. PROTECTION OF ADJACENT PROPERTY: CONTRACTOR SHALL ASSUME FULL LIABILITY FOR DAMAGE TO ADJACENT PROPERTIES AND/OR PUBLIC RIGHT-OF-WAY RESULTING FROM FAILURE TO FULLY IMPLEMENT AND EXECUTE ALL EROSION CONTROL METHODS AND PROCEDURES SHOWN AND NOTED IN THE PLANS AND SWPPP.

7. RE-VEGETATION: AT THE COMPLETION OF CONSTRUCTION OPERATIONS, ALL DISTURBED AREAS SHALL BE VEGETATED IN ACCORDANCE WITH THE SWPPP. THE CONTRACTOR SHALL PROVIDE HYDROMULCH SEEDING AND/OR SODDING FOR ALL DISTURBED AREAS IN ACCORDANCE WITH ALL GOVERNING AUTHORITIES' SPECIFICATIONS.

8. BMP REMOVAL: THE CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL SEDIMENT BARRIERS AND INLET PROTECTION AFTER VEGETATION HAS BEEN COMPLETED AND ALL AREAS OF THE SITE HAVE BEEN STABILIZED AND ACCEPTED BY THE GOVERNING AUTHORITIES AND THE ENGINEER.

LEGEND

- SILT FENCE — SF
- EXISTING SILT FENCE — SF
- INLET PROTECTION — IP
- STABILIZED CONSTRUCTION ENTRANCE — CE
- EROSION CONTROL BLANKET CURLEX II OR APPROVED EQ, NATURAL COLOR

NORTH

0 20 40 60 80
GRAPHIC SCALE IN FEET
SCALE: 1"=40'

WARNING

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BM #1 REF. ELEVATION = 559.47
SQUARE CUT IN TOP OF CURB, SOUTH MEDIAN END NOSE, MARSH LANE
1127' NORTH OF VITRUVIAN WAY.

BM #2 REF. ELEVATION = 547.84
SQUARE CUT IN TOP OF CURB, NORTH MEDIAN END NOSE, AT INTERSECTION OF VITRUVIAN WAY AND MARSH LANE.

STATE OF TEXAS
BRUCE F. DUNNE
62654
LICENSED
PROFESSIONAL ENGINEER

NO.	REVISION	BY	DATE

TOWN OF ADDISON
DALLAS COUNTY, TEXAS

PARK AND STREETSCAPE IMPROVEMENTS
VITRUVIAN PARK

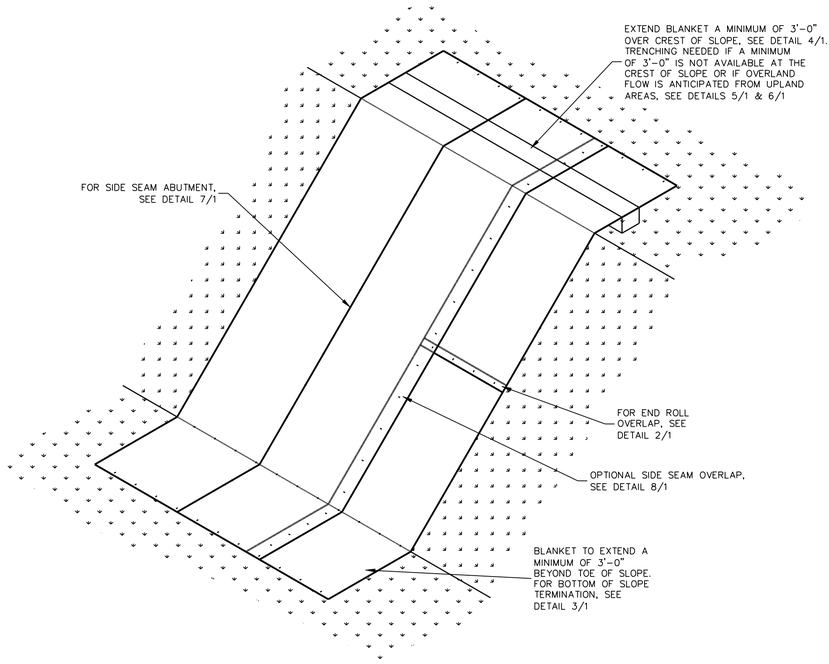
EROSION & SEDIMENT CONTROL PLAN EAST

icon Consulting Engineers, Inc.
Civil Engineers - Designers - Planners
250 W. Southlake Blvd., Suite 117
Southlake, Tx 76092 (817) 552-6210

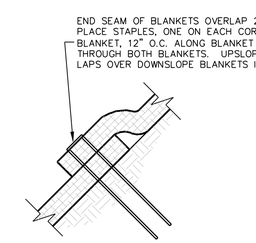
PROJECT	DESIGN	DRAWN	DATE	FILE	SHEET
5029-01	ICE	ICE	APR 26, 2010	PW# 2009-04	C703

RECORD DRAWINGS 06/18/12

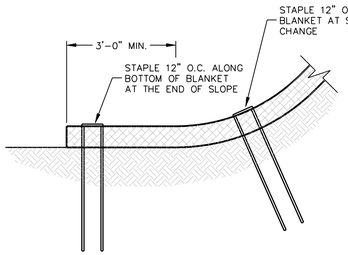
PARK AND STREETSCAPE IMPROVEMENTS - VITRUVIAN PARK



SLOPE DETAIL 1/1
NO SCALE

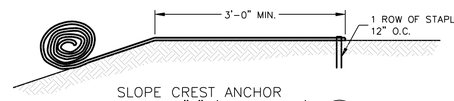


END ROLL OVERLAP 2/1
NO SCALE



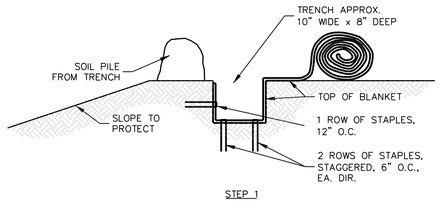
BOTTOM OF SLOPE TERMINATION 3/1
NO SCALE

EROSION CONTROL BLANKET
NOT TO SCALE

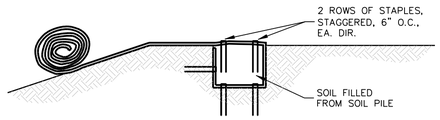


SLOPE CREST ANCHOR METHOD "A" (NO TRENCH) 4/1
NO SCALE

DO NOT NEED TO TRENCH BLANKET IN IF IT CAN BE EXTENDED A MINIMUM OF 3'-0" OVER THE CREST OF THE SLOPE.

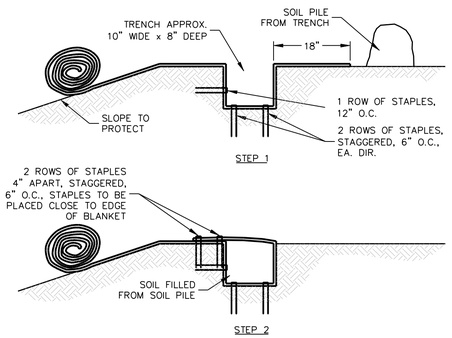


STEP 1

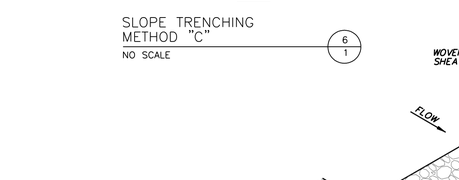


STEP 2

SLOPE TRENCHING METHOD "B" 5/1
NO SCALE

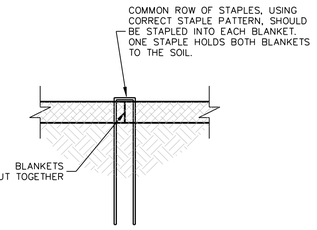


STEP 1

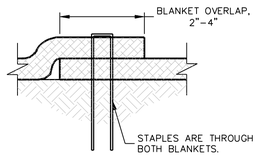


STEP 2

SLOPE TRENCHING METHOD "C" 6/1
NO SCALE



SIDE SEAM ABUT STAPLE DETAIL 7/1
NO SCALE



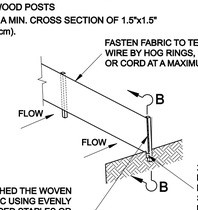
SIDE SEAM OVERLAP STAPLE DETAIL 8/1
NO SCALE

NOTES:
1. STAPLE PATTERNS ARE DEPENDENT ON SITE CONDITIONS. SEE CURLEX® STAPLE PATTERN GUIDE FOR DETAILS.
2. E-STAPLE® MAY BE USED IN PLACE OF WIRE STAPLES.
3. CURLEX® IN NEUTRAL COLOR.

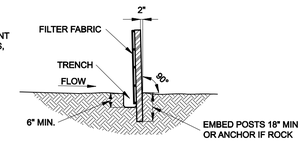
NOTES: SILT FENCE

1. Posts which support the silt fence shall be installed on a slight angle toward the anticipated runoff source. The post must be embedded a minimum of 18 inches.
2. The toe of the silt fence shall be trenched in with a spade or mechanical trencher, so that the downslope face of the trench is flat and perpendicular to the line of flow. Where fence cannot be trenched in (e.g. pavement), weight fabric flap with washed grave on the uphill side to
3. The trench must be a minimum of 6 inches deep and 6 inches wide to allow for the silt fence fabric to be laid in the ground and backfilled with compacted material.
4. Silt fence shall be securely fastened to each support post or to woven wire, which is in turn attached to the support post. There shall be a 6 inch double overlap, securely fastened where ends of fabric meet.
5. Inspection shall be made daily or after each rainfall. Repair or replacement shall be made promptly as needed.
6. Silt fence shall be removed when the site is completely stabilized so as not to block or impede storm flow or drainage.
7. Accumulated silt shall be removed when it reached a depth of 3 inches. The silt shall be disposed of at an approved site and in such a manner as to prevent flow under fence not contribute to adtitional siltation.

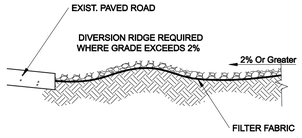
4' MIN. STEEL OR WOOD POSTS SPACED AT 5' TO 8' SOFTWOOD POSTS SHALL BE 3" MIN. IN. DIA. OR NOMINAL 2"x4" HARDWOOD POSTS SHALL HAVE A MIN. CROSS SECTION OF 1.5"x1.5" (3.8 cm x 3.8 cm).



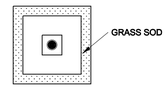
SILT FENCE



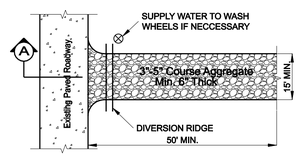
SECTION A



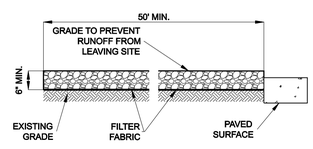
SECTION B



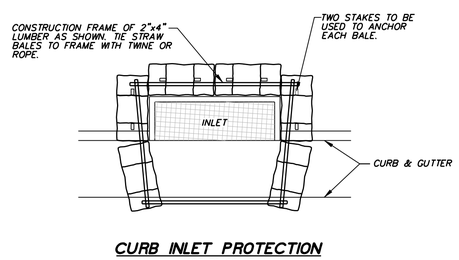
DROP INLET PROTECTION (TYP)



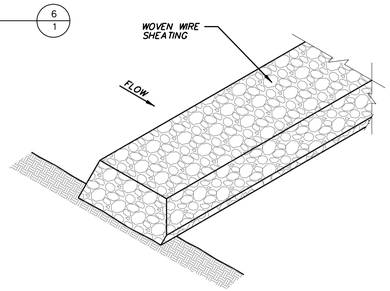
PLAN



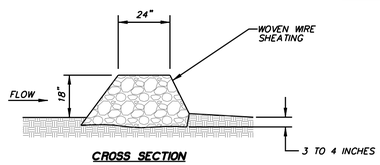
TEMPORARY STONE CONSTRUCTION ENTRANCE / EXIT



CURB INLET PROTECTION
NOT TO SCALE



ISOMETRIC PLAN VIEW



CROSS SECTION

NOTES:
1. USE OPEN GRADED ROCK 4-8 INCHES IN DIAMETER FOR STREAM FLOW CONDITION. USE OPEN GRADED ROCK 3-5 INCHES IN DIAMETER FOR OTHER CONDITIONS.
2. THE ROCK DAM SHALL BE SECURED WITH A WOVEN WIRE SHEATHING HAVING A MAXIMUM OPENING OF 1 INCH AND A MINIMUM WIRE SIZE OF 20 GAUGE AND SHALL BE BURIED IN A TRENCH APPROXIMATELY 3 TO 4 INCHES DEEP.
3. THE ROCK DAM SHALL BE INSPECTED WEEKLY OR AFTER EACH RAIN EVENT AND SHALL BE REPLACED WHEN THE STRUCTURE CEASES TO FUNCTION AS INTENDED DUE TO SILT ACCUMULATION AMONG THE ROCKS, WASHOUT, CONSTRUCTION TRAFFIC DAMAGE, ETC.
4. WHEN SILT REACHES DEPTH EQUAL TO ONE-THIRD OF THE HEIGHT OF THE DAM OR ONE FOOT, WHICHEVER IS LESS, THE SILT SHALL BE REMOVED AND DISPOSED OF PROPERLY.
5. WHEN THE SITE IS COMPLETELY STABILIZED, THE DAM AND ACCUMULATED SILT SHALL BE REMOVED AND DISPOSED OF IN AN APPROVED MANNER.

ROCK CHECK DAM
NOT TO SCALE

STATE OF TEXAS
BRUCE F. DUNNE
62654
LICENSED PROFESSIONAL ENGINEER

NO.	REVISION	BY	DATE

TOWN OF ADDISON
DALLAS COUNTY, TEXAS

PARK AND STREETSCAPE IMPROVEMENTS
VITRUVIAN PARK

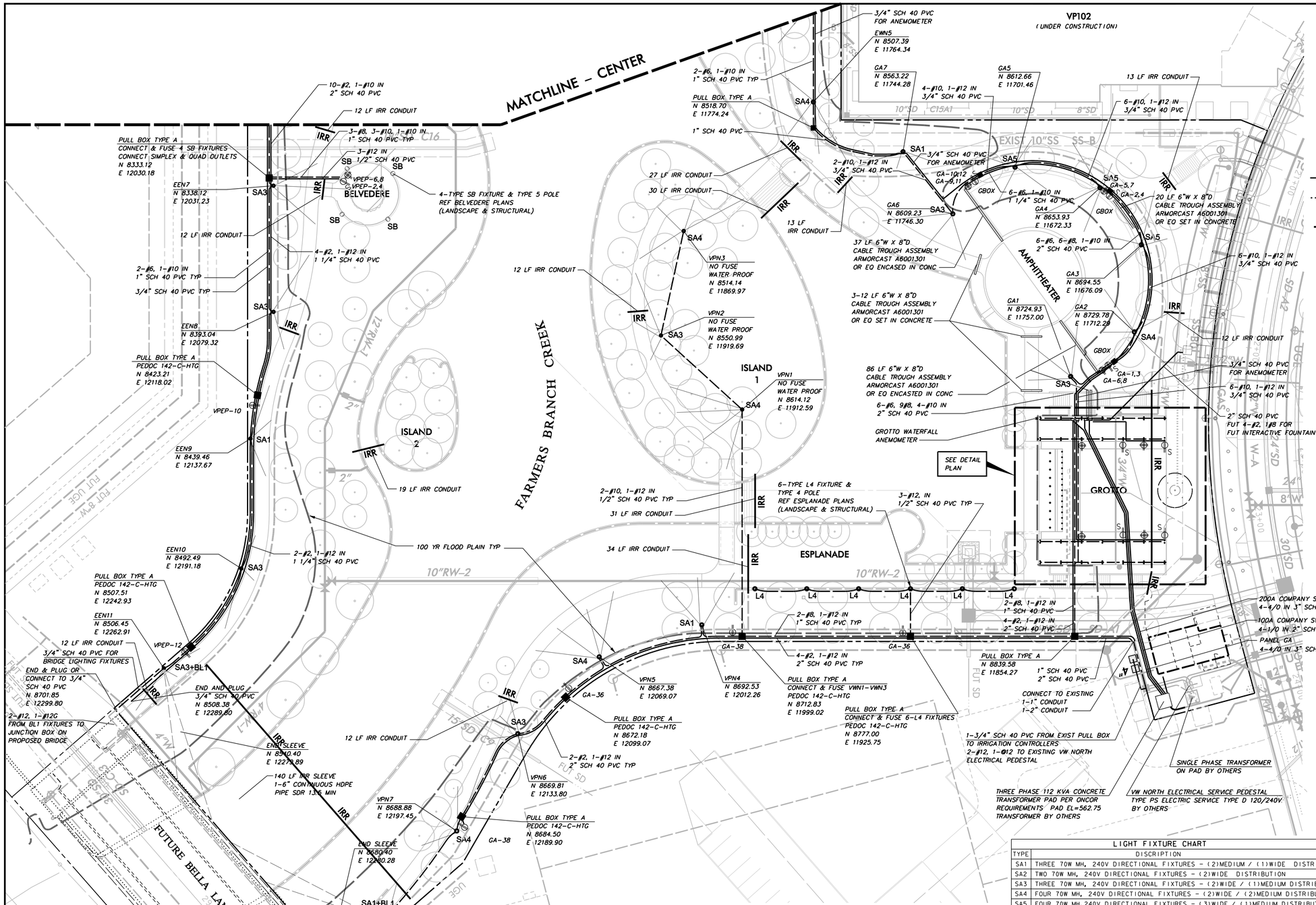
EROSION & SEDIMENT CONTROL DETAILS

icon Consulting Engineers, Inc.
Civil Engineers - Designers - Planners
250 W. Southlake Blvd., Suite 117
Southlake, Tx 76092 (817) 552-6210

PROJECT	DESIGN	DRAWN	DATE	FILE	SHEET
5029-01	ICE	ICE	APR 26, 2010	PW# 2009-04	C704

PARK AND STREETSCAPE IMPROVEMENTS - VITRUVIAN PARK

RECORD DRAWINGS 06/18/12



LEGEND

- DULPEX 20A GFCI RECEPTACLE HUBBELL GFR5362SGW OR EQ
- SIMPLEX 30A 120/240V 4 WIRE L14-30 LOCKING RECEPTACLE HUBBELL OR EQ WITH WHILE-IN-USE WATERPROOF COVER
- QUAD (2) CIRCUIT 20A GFCI RECEPTACLE (2) HUBBELL GFR5362SGW OR EQ WITH WHILE-IN-USE WATERPROOF COVER
- SAX — LIGHT POLE BASE AND FIXTURE TYPE
- XX-XX — PANEL DESIGNATION & CIRCUIT NUMBER
- POWER CONDUIT
- LIGHTING CONDUIT
- IRR — IRRIGATION SLEEVE – 1-6" & 1-2" SCH 40 PVC UNLESS OTHERWISE NOTED

LIGHTING, ELECTRICAL & CONDUIT NOTES

1. REFER TO SHEET C100 "GENERAL CONSTRUCTION NOTES, LEGEND AND ABBREVIATIONS" FOR THE GENERAL CONSTRUCTION NOTES FOR THE PROJECT.
2. REFER TO SHEET C804 FOR GENERAL ELECTRICAL NOTES FOR THE PROJECT.
3. REFER TO SHEET C807 - ED (1)-03 FOR ELECTRIC DETAILS - CONDUIT. RIGID METAL CONDUIT ELBOWS ARE NOT REQUIRED.
4. REFER TO SHEET C808 - ED (2)-03 FOR ELECTRIC DETAILS - CONDUCTORS.
5. REFER TO SHEET C809 - ED (3 -03 FOR ELECTRIC DETAILS - GROUND BOXES. RIGID METAL CONDUIT ELBOWS ARE NOT REQUIRED. CONCRETE APRON IS NOT REQUIRED.
6. REFER TO SHEET C810 - ED (8)-03 FOR ELECTRIC DETAILS - ELECTRICAL SERVICE SUPPORT PEDESTAL SERVICE TYPE PS. PEDESTAL SERVICE SHALL BE ALUMINUM, COLOR GRAY. RIGID METAL ELBOWS ARE NOT REQUIRED.
7. WATER, SANITARY SEWER, AND STORM DRAIN LINES ARE SHOWN FOR REFERENCE ONLY. CONTRACTOR SHALL LOCATE ALL UTILITY LINES IN THE AREA PRIOR TO DIGGING.
8. ALL CONDUITS AT LIGHT POLE BASES TO BE WITHIN THE DRILLED SHAFT FOUNDATION. NO EXPOSED CONDUIT AT POLE BASES WILL BE ALLOWED.
9. ALL CONDUITS, JBOXES, DEVICE BOXES, ETC. TO BE CONCEALED WITHIN THE STRUCTURES. NO EXPOSED CONDUITS WILL BE ALLOWED UNLESS IN CONCEALED OR OTHER APPROVED AREAS.
10. CONNECTION TO POWER COMPANY CIRCUITS TO BE MADE ONLY BY POWER COMPANY.
11. UNLESS OTHERWISE INDICATED ALL WORK SHALL CONFORM TO THE 2008 NATIONAL ELECTRICAL CODE (NFPA 70) AND THE 2007 NATIONAL ELECTRICAL SAFETY CODE (ANSI C2).
12. ALL EMPTY CONDUIT INSTALLED FOR FUTURE EXTENSION SHALL BE TURNED UP AND EXTENDED UP TO FINISHED GRADE. CAP ENDS OF ALL CONDUITS.
13. IRRIGATION SLEEVES "IRR" SHALL CONSIST OF 1-6" SCH 40 PVC AND 1-2" SCH 40 PVC INSTALLED WITH MINIMUM 24" COVER AND EXTENDING 2' BEYOND THE BACKS OF CURB OR EDGE OF PAVEMENT AND UP TO FINISHED GRADE. CAP ENDS OF ALL CONDUITS.

WARNING

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SQUARE CUT IN TOP OF CURB, SOUTH MEDIAN END NOSE, MARSH LANE 1127' NORTH OF VITRUVIAN WAY.

BM #2 REF. ELEVATION = 547.84
SQUARE CUT IN TOP OF CURB, NORTH MEDIAN END NOSE, AT INTERSECTION OF VITRUVIAN WAY AND MARSH LANE.

STATE OF TEXAS — BRUCE F. DUNNE — 62654 — LICENSED PROFESSIONAL ENGINEER

PARK LIGHTING

NO.	TYPE			NO.	TYPE		
	FIXTURE	POLE	BASE		FIXTURE	POLE	BASE
EEN7	SA3	2	1	GA5	SA5	3	1
EEN8	SA3	2	1	GA6	SA3	2	1
EEN9	SA1	2	1	GA7	SA1	2	1
EEN10	SA3	2	1				
EEN11	SA3+BL1	6	1	VWN1	SA4	3	2
				VWN2	SA3	2	2
EWN5	SA4	3	1	VWN3	SA4	3	2
				VWN4	SA1	2	1
GA1	SA3	2	1	VWN5	SA4	3	1
GA2	SA4	3	1	VWN6	SA3	2	1
GA3	SA5	3	1	VWN7	SA4	3	1
GA4	SA5	3	1	VWN8	SA1+BL1	6	1

LIGHT POLE CHART

TYPE	DESCRIPTION
1	24'-7" CONCRETE TAPERED ROUND – DOUBLE SIDE MOUNT
2	24'-7" CONCRETE TAPERED ROUND – TRIPLE SIDE MOUNT
3	24'-7" CONCRETE TAPERED ROUND – QUAD SIDE MOUNT
4	9'-8" ALUMINUM TAPERED ROUND – HINGED BASE
5	7'-8" ALUMINUM TAPERED ROUND – HINGED BASE
6	24'-7" CONCRETE TAPERED ROUND – FIVE SIDE MOUNT
7	24'-7" CONCRETE TAPERED ROUND – SEVEN SIDE MOUNT

LIGHT FIXTURE CHART

TYPE	DISCRIPTION
SA1	THREE 70W MH, 240V DIRECTIONAL FIXTURES – (2)MEDIUM / (1)WIDE DISTRIBUTION
SA2	TWO 70W MH, 240V DIRECTIONAL FIXTURES – (2)WIDE DISTRIBUTION
SA3	THREE 70W MH, 240V DIRECTIONAL FIXTURES – (2)WIDE / (1)MEDIUM DISTRIBUTION
SA4	FOUR 70W MH, 240V DIRECTIONAL FIXTURES – (2)WIDE / (2)MEDIUM DISTRIBUTION
SA5	FOUR 70W MH, 240V DIRECTIONAL FIXTURES – (3)WIDE / (1)MEDIUM DISTRIBUTION
SA6	THREE 70W MH, 240V DIRECTIONAL FIXTURES – (3)WIDE DISTRIBUTION
SA7	TWO 70W MH, 240V DIRECTIONAL FIXTURES –(2)MEDIUM DISTRIBUTION
SA8	TWO 70W MH, 240V DIRECTIONAL FIXTURES – (1)WIDE / (1)MEDIUM DISTRIBUTION
SB	SINGLE 70W MH, 240V FIXTURE ON PEDESTRIAN POLE – BELVEDERE
SE-1	SUSPENDED STRAND LIGHTING 0.9W, 24V ON 12" CENTERS WITH 3 – OTRAN XFERS
SE-T	SUSPENDED STRAND LIGHTING TRANSFORMER – 150W, 240V / 24V
SK1	TRELLIS COLUMN DOWNLIGHTS – 20W, MR16/40
SK2	TRELLIS COLUMN DOWNLIGHTS – 50W, MR16/40
L4	SINGLE 70W MH, 240V FIXTURE W/INTEGRAL BALLAST ON PEDESTRIAN POLE-ESPLANADE
L5	SINGLE VAPORTITE CFL FIXTURE, 120V, SURFACE MOUNT
BL1	TWO 150W MH, 240V DIRECTIONAL FIXTURES – HORIZONTAL MEDIUM DISTRIBUTION
BL2	THREE 150W MH, 240V DIRECTIONAL FIXTURES – HORIZONTAL MEDIUM DISTRIBUTION
BL3	THREE 150W MH, 240V DIRECTIONAL FIXTURES – HORIZ (2) M/(1) W DISTRIBUTION

NO.	REVISION	BY	DATE

TOWN OF ADDISON
DALLAS COUNTY, TEXAS

PARK AND STREETSCAPE IMPROVEMENTS
VITRUVIAN PARK

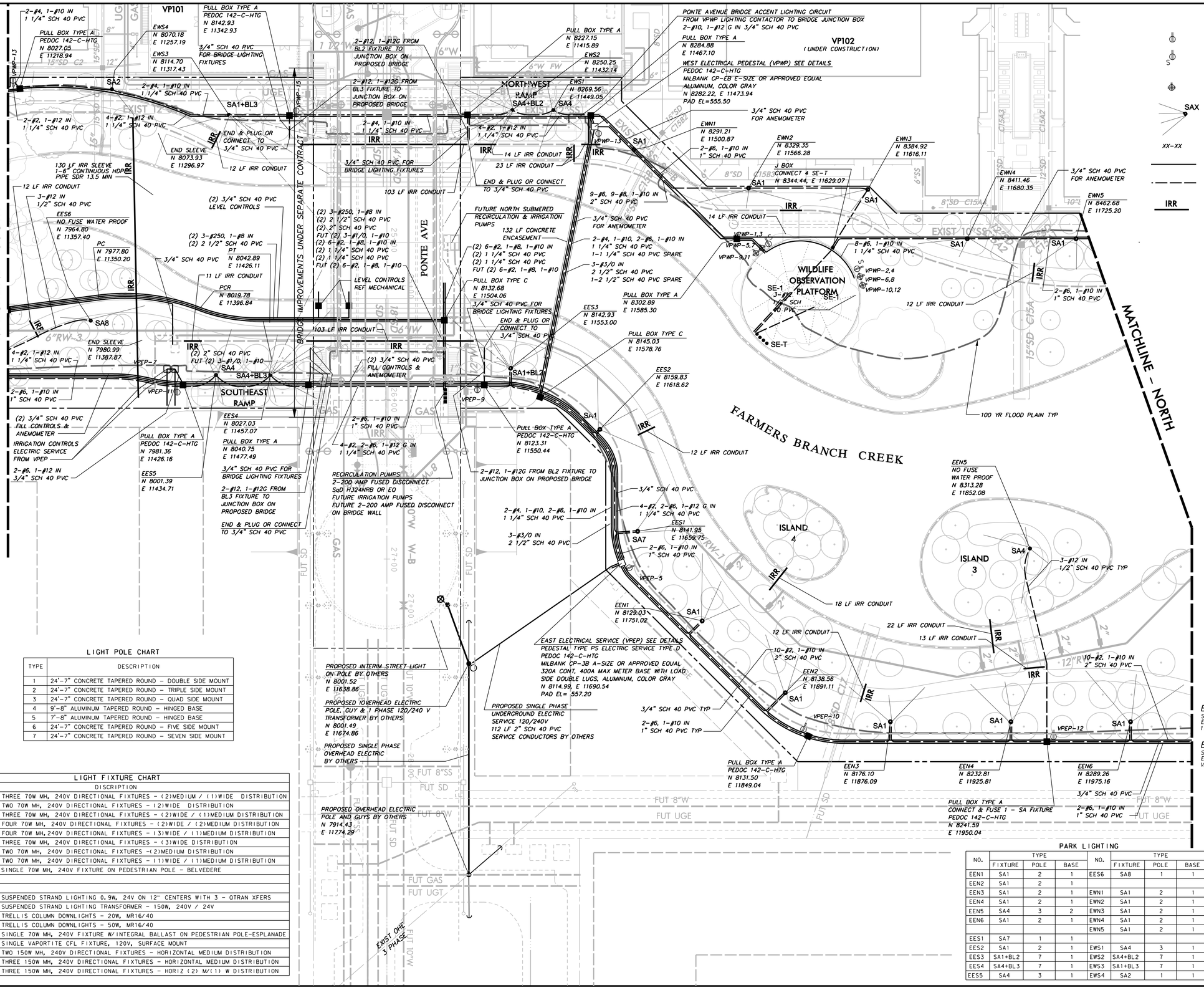
PARK LIGHTING & ELECTRICAL PLAN NORTH

icon Consulting Engineers, Inc.
Civil Engineers - Designers - Planners
250 W. Southlake Blvd., Suite 117
Southlake, Tx 76092 (817) 552-6210

PROJECT	DESIGN	DRAWN	DATE	FILE	SHEET
5029-01	ICE	ICE	APR 26, 2010	PW# 2009-04	C801

RECORD DRAWINGS 06/18/12

PARK AND STREETSCAPE IMPROVEMENTS – VITRUVIAN PARK



LIGHT POLE CHART

TYPE	DESCRIPTION
1	24'–7" CONCRETE TAPERED ROUND – DOUBLE SIDE MOUNT
2	24'–7" CONCRETE TAPERED ROUND – TRIPLE SIDE MOUNT
3	24'–7" CONCRETE TAPERED ROUND – QUAD SIDE MOUNT
4	9'–8" ALUMINUM TAPERED ROUND – HINGED BASE
5	7'–8" ALUMINUM TAPERED ROUND – HINGED BASE
6	24'–7" CONCRETE TAPERED ROUND – FIVE SIDE MOUNT
7	24'–7" CONCRETE TAPERED ROUND – SEVEN SIDE MOUNT

LIGHT FIXTURE CHART

TYPE	DISCRIPTION
SA1	THREE 70W MH, 240V DIRECTIONAL FIXTURES – (2)MEDIUM / (1)WIDE DISTRIBUTION
SA2	TWO 70W MH, 240V DIRECTIONAL FIXTURES – (2)WIDE DISTRIBUTION
SA3	THREE 70W MH, 240V DIRECTIONAL FIXTURES – (2)WIDE / (1)MEDIUM DISTRIBUTION
SA4	FOUR 70W MH, 240V DIRECTIONAL FIXTURES – (2)WIDE / (2)MEDIUM DISTRIBUTION
SA5	FOUR 70W MH,240V DIRECTIONAL FIXTURES – (3)WIDE / (1)MEDIUM DISTRIBUTION
SA6	THREE 70W MH, 240V DIRECTIONAL FIXTURES – (3)WIDE DISTRIBUTION
SA7	TWO 70W MH, 240V DIRECTIONAL FIXTURES –(2)MEDIUM DISTRIBUTION
SA8	TWO 70W MH, 240V DIRECTIONAL FIXTURES – (1)WIDE / (1)MEDIUM DISTRIBUTION
SB	SINGLE 70W MH, 240V FIXTURE ON PEDESTRIAN POLE – BELVEDERE
SE–1	SUSPENDED STRAND LIGHTING 0.9W, 24V ON 12" CENTERS WITH 3 – QTRAN XFERS
SE–T	SUSPENDED STRAND LIGHTING TRANSFORMER – 150W, 240V / 24V
SK1	TRELLIS COLUMN DOWNLIGHTS – 20W, MR16/40
SK2	TRELLIS COLUMN DOWNLIGHTS – 50W, MR16/40
L4	SINGLE 70W MH, 240V FIXTURE W/INTEGRAL BALLAST ON PEDESTRIAN POLE–ESPLANADE
L5	SINGLE VAPORTITE CFL FIXTURE, 120V, SURFACE MOUNT
BL1	TWO 150W MH, 240V DIRECTIONAL FIXTURES – HORIZONTAL MEDIUM DISTRIBUTION
BL2	THREE 150W MH, 240V DIRECTIONAL FIXTURES – HORIZONTAL MEDIUM DISTRIBUTION
BL3	THREE 150W MH, 240V DIRECTIONAL FIXTURES – HORIZ (2) W/(1) W DISTRIBUTION

LIGHTING, ELECTRICAL & CONDUIT NOTES

1. *REFER TO SHEET C100 " GENERAL CONSTRUCTION NOTES, LEGEND AND ABBREVIATIONS" FOR THE GENERAL CONSTRUCTION NOTES FOR THE PROJECT.*
2. *REFER TO SHEET C804 FOR GENERAL ELECTRICAL NOTES FOR THE PROJECT.*
3. *REFER TO SHEET C807 – ED (1)-03 FOR ELECTRIC DETAILS - CONDUIT. RIGID METAL CONDUIT ELBOWS ARE NOT REQUIRED.*
4. *REFER TO SHEET C808 - ED (2)-03 FOR ELECTRIC DETAILS - CONDUCTORS.*
5. *REFER TO SHEET C809 - ED (3 -03 FOR ELECTRIC DETAILS - GROUND BOXES. RIGID METAL CONDUIT ELBOWS ARE NOT REQUIRED. CONCRETE APRON IS NOT REQUIRED.*
6. *REFER TO SHEET C810 - ED (8)-03 FOR ELECTRIC DETAILS - ELECTRICAL SERVICE SUPPORT PEDESTAL SERVICE TYPE PS. PEDESTAL SERVICE SHALL BE ALUMINUM, COLOR GRAY. RIGID METAL ELBOWS ARE NOT REQUIRED.*
7. *WATER, SANITARY SEWER, AND STORM DRAIN LINES ARE SHOWN FOR REFERENCE ONLY. CONTRACTOR SHALL LOCATE ALL UTILITY LINES IN THE AREA PRIOR TO DIGGING.*
8. *ALL CONDUITS AT LIGHT POLE BASES TO BE WITHIN THE DRILLED SHAFT FOUNDATION. NO EXPOSED CONDUIT AT POLE BASES WILL BE ALLOWED.*
9. *ALL CONDUITS, JBOXES, DEVICE BOXES, ETC. TO BE CONCEALED WITHIN THE STRUCTURES. NO EXPOSED CONDUITS WILL BE ALLOWED UNLESS IN CONCEALED OR OTHER APPROVED AREAS.*
10. *CONNECTION TO POWER COMPANY CIRCUITS TO BE MADE ONLY BY POWER COMPANY.*
11. *UNLESS OTHERWISE INDICATED ALL WORK SHALL CONFORM TO THE 2008 NATIONAL ELECTRICAL CODE (NFPA 70) AND THE 2007 NATIONAL ELECTRICAL SAFETY CODE (ANSI C2).*
12. *ALL EMPTY CONDUIT INSTALLED FOR FUTURE EXTENSION SHALL BE TURNED UP AND EXTENDED UP TO FINISHED GRADE. CAP ENDS OF ALL CONDUITS.*
13. *IRRIGATION SLEEVES "IRR" SHALL CONSIST OF 1-6" SCH 40 PVC AND 1-2" SCH 40 PVC INSTALLED WITH MINIMUM 24" COVER AND EXTENDING 2' BEYOND THE BACKS OF CURB OR EDGE OF PAVEMENT AND UP TO FINISHED GRADE. CAP ENDS OF ALL CONDUITS.*

WARNING

CONTRACTOR IS TO CONTACT TEXAS ONE–CALL SYSTEM (1–800–245–4545) OR OTHER UTILITY LOCATING SERVICES AT LEAST 48 HOURS PRIOR TO CONSTRUCTION ACTIVITIES. ICON CONSULTING ENGINEERS, INC. IS NOT RESPONSIBLE FOR KNOWING ALL EXISTING UTILITIES IN THE PROJECT AREA NOR FOR DEPICTING THE EXACT LOCATIONS OF UTILITIES ON THESE DRAWINGS.

BM #1 REF. ELEVATION = 559.47
SQUARE CUT IN TOP OF CURB, SOUTH MEDIAN END NOSE, MARSH LANE 1127' NORTH OF VITRUVIAN WAY.

BM #2 REF. ELEVATION = 547.84
SQUARE CUT IN TOP OF CURB, NORTH MEDIAN END NOSE, AT INTERSECTION OF VITRUVIAN WAY AND MARSH LANE.

STATE OF TEXAS
BRUCE F. DUNNE
62654
LICENSED PROFESSIONAL ENGINEER

PARK LIGHTING

NO.	TYPE			NO.	TYPE		
	FIXTURE	POLE	BASE		FIXTURE	POLE	BASE
EEN1	SA1	2	1	EES6	SA8	1	1
EEN2	SA1	2	1				
EEN3	SA1	2	1	EWN1	SA1	2	1
EEN4	SA1	2	1	EWN2	SA1	2	1
EEN5	SA4	3	2	EWN3	SA1	2	1
EEN6	SA1	2	1	EWN4	SA1	2	1
				EWN5	SA1	2	1
EES1	SA7	1	1				
EES2	SA1	2	1	EWS1	SA4	3	1
EES3	SA1+BL2	7	1	EWS2	SA4+BL2	7	1
EES4	SA4+BL3	7	1	EWS3	SA1+BL3	7	1
EES5	SA4	3	1	EWS4	SA2	1	1

NO.	REVISION	BY	DATE

Addison TOWN OF ADDISON
DALLAS COUNTY, TEXAS

PARK AND STREETSCAPE IMPROVEMENTS
VITRUVIAN PARK

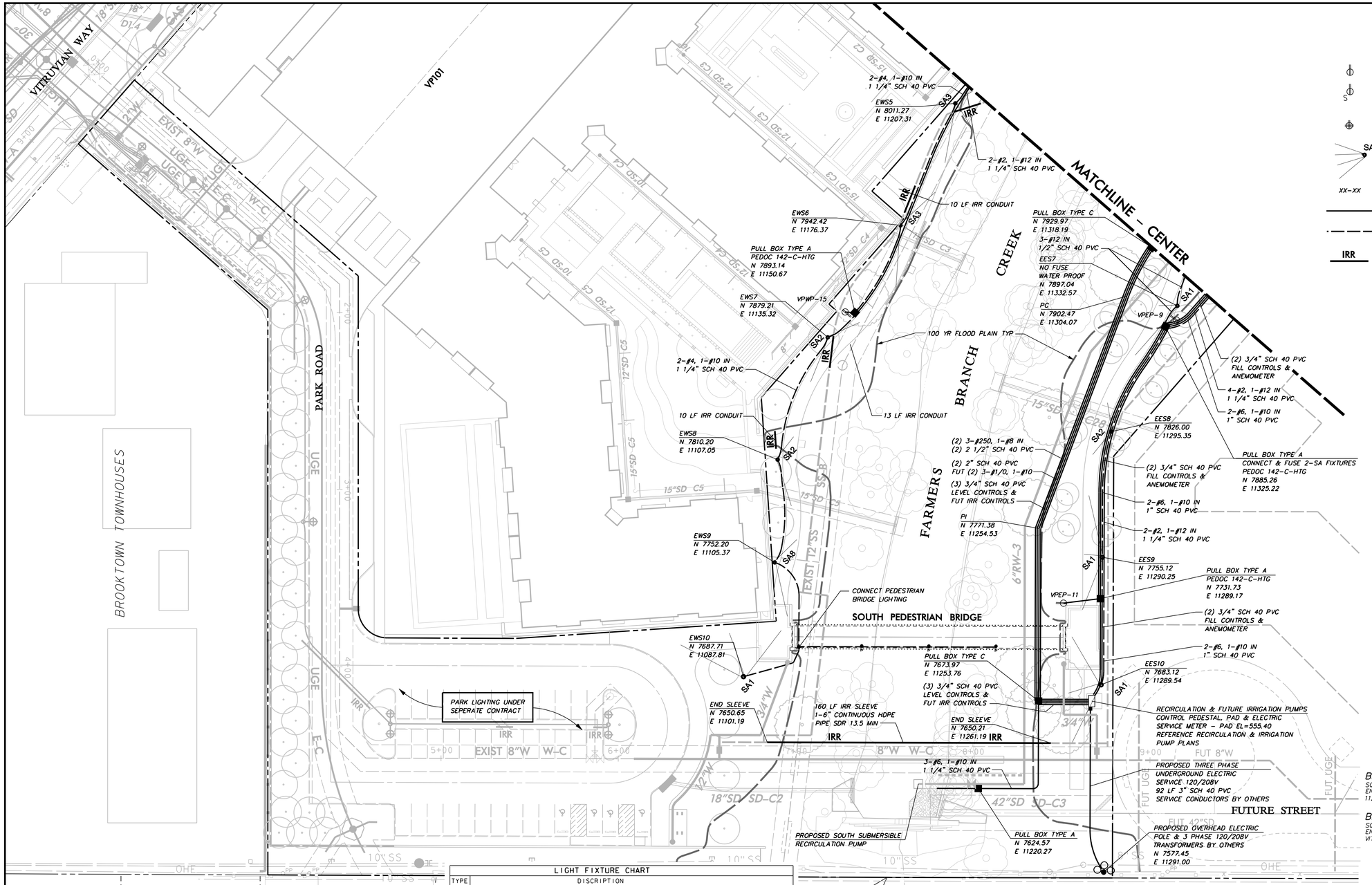
PARK LIGHTING & ELECTRICAL PLAN CENTER

icon Consulting Engineers, Inc.
Civil Engineers - Designers - Planners
250 W. Southlake Blvd., Suite 117
Southlake, Tx 76092 (817) 552-6210

PROJECT	DESIGN	DRAWN	DATE	FILE	SHEET
5029–01	ICE	ICE	APR 26, 2010	PW# 2009–04	C802

RECORD DRAWINGS 06/18/12

PARK AND STREETSCAPE IMPROVEMENTS – VITRUVIAN PARK



LEGEND

- DULPEX 20A GFCI RECEPTACLE HUBBELL GFR5362SGW OR EQ
- SIMPLEX 30A 120/240V 4 WIRE L14-30 LOCKING RECEPTACLE HUBBELL OR EQ WITH WHILE-IN-USE WATERPROOF COVER
- QUAD (2) CIRCUIT 20A GFCI RECEPTACLE (2) HUBBELL GFR5362SGW OR EQ WITH WHILE-IN-USE WATERPROOF COVER
- SAX — LIGHT POLE BASE AND FIXTURE TYPE
- XX-XX — PANEL DESIGNATION & CIRCUIT NUMBER
- POWER CONDUIT
- LIGHTING CONDUIT
- IRR — IRRIGATION SLEEVE – 1-6" & 1-2" SCH 40 PVC UNLESS OTHERWISE NOTED

NORTH

0 15 30 45 60
GRAPHIC SCALE IN FEET
SCALE: 1"=30'

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STATE OF TEXAS
BRUCE F. DUNNE
62654
LICENSED PROFESSIONAL ENGINEER

LIGHT FIXTURE CHART

TYPE	DISCRIPTION
SA1	THREE 70W MH, 240V DIRECTIONAL FIXTURES - (2)MEDIUM / (1)WIDE DISTRIBUTION
SA2	TWO 70W MH, 240V DIRECTIONAL FIXTURES - (2)WIDE DISTRIBUTION
SA3	THREE 70W MH, 240V DIRECTIONAL FIXTURES - (2)WIDE / (1)MEDIUM DISTRIBUTION
SA4	FOUR 70W MH, 240V DIRECTIONAL FIXTURES - (2)WIDE / (2)MEDIUM DISTRIBUTION
SA5	FOUR 70W MH,240V DIRECTIONAL FIXTURES - (3)WIDE / (1)MEDIUM DISTRIBUTION
SA6	THREE 70W MH, 240V DIRECTIONAL FIXTURES - (3)WIDE DISTRIBUTION
SA7	TWO 70W MH, 240V DIRECTIONAL FIXTURES -(2)MEDIUM DISTRIBUTION
SA8	TWO 70W MH, 240V DIRECTIONAL FIXTURES - (1)WIDE / (1)MEDIUM DISTRIBUTION
SB	SINGLE 70W MH, 240V FIXTURE ON PEDESTRIAN POLE - BELVEDERE
SE-1	SUSPENDED STRAND LIGHTING 0.9W, 24V ON 12" CENTERS WITH 3 - OTRAN XFERS
SE-T	SUSPENDED STRAND LIGHTING TRANSFORMER - 150W, 240V / 24V
SK1	TRELLIS COLUMN DOWNLIGHTS - 20W, MR16/40
SK2	TRELLIS COLUMN DOWNLIGHTS - 50W, MR16/40
L4	SINGLE 70W MH, 240V FIXTURE W/INTEGRAL BALLAST ON PEDESTRIAN POLE-ESPLANADE
L5	SINGLE VAPORTITE CFL FIXTURE, 120V, SURFACE MOUNT
BL1	TWO 150W MH, 240V DIRECTIONAL FIXTURES - HORIZONTAL MEDIUM DISTRIBUTION
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BL3	THREE 150W MH, 240V DIRECTIONAL FIXTURES - HORIZ (2) M/(1) W DISTRIBUTION

PARK LIGHTING

NO.	TYPE			NO.	TYPE		
	FIXTURE	POLE	BASE		FIXTURE	POLE	BASE
EES7	SA1	2	1	EWS10	SA1	2	1
EES8	SA2	1	1				
EES9	SA1	2	1				
EES10	SA1	2	1				
EWS5	SA3	2	1				
EWS6	SA3	2	1				
EWS7	SA2	1	1				
EWS8	SA2	1	1				
EWS9	SA8	1	1				

LIGHT POLE CHART

TYPE	DESCRIPTION
1	24'-7" CONCRETE TAPERED ROUND - DOUBLE SIDE MOUNT
2	24'-7" CONCRETE TAPERED ROUND - TRIPLE SIDE MOUNT
3	24'-7" CONCRETE TAPERED ROUND - QUAD SIDE MOUNT
4	9'-8" ALUMINUM TAPERED ROUND - HINGED BASE
5	7'-8" ALUMINUM TAPERED ROUND - HINGED BASE
6	24'-7" CONCRETE TAPERED ROUND - FIVE SIDE MOUNT
7	24'-7" CONCRETE TAPERED ROUND - SEVEN SIDE MOUNT

NO.	REVISION	BY	DATE

Addison

TOWN OF ADDISON
DALLAS COUNTY, TEXAS

PARK AND STREETSCAPE IMPROVEMENTS
VITRUVIAN PARK

PARK LIGHTING & ELECTRICAL PLAN SOUTH

icon Consulting Engineers, Inc.
Civil Engineers - Designers - Planners
250 W. Southlake Blvd., Suite 117
Southlake, Tx 76092 (817) 552-6210

PROJECT	DESIGN	DRAWN	DATE	FILE	SHEET
5029-01	ICE	ICE	APR 26, 2010	PW# 2009-04	C803

PARK AND STREETSCAPE IMPROVEMENTS - VITRUVIAN PARK

RECORD DRAWINGS 06/18/12

Panel Schedule	Single Phase												
Project:	Vitruvian Park						Date:	9/25/2009					
Panel Name:	VPEP - East Pedestal			Volts<L-L>:	240				Main Bkr:		200	Amps	
Mfg:				Volts<L-G>:	120				Main Lugs:			Amps	
Model:				Phase:	1				Panel AIC:		22,000	Amps	
Description:				Wires:	3				Neutral Bar:	Y		Y / N	
Location:	I		"I" = Indoor, "O" = Outdoor						Ground Bar:	Y		Y / N	
Breaker Mounting:	S		"S" = Standard, "B" = Bolt-In										

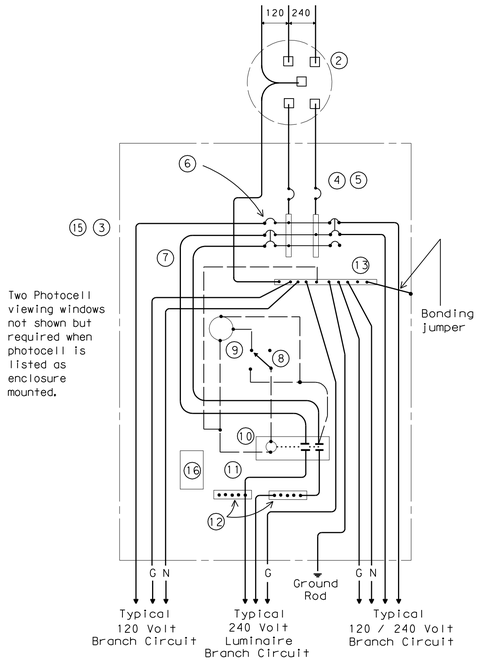
Pos. No.	Bkr No.	Trip Amps	No. Bkr Poles	Serves	Load VA L1	Load VA L2	Pos. No.	Bkr No.	Trip Amps	No. Bkr Poles	Serves
1		65	2	Lighting Contactor	< 4464						
					2880	> > ---------- > >	2		30	2	Belvedere Simplex Outlet
3		65		Lighting Contactor	< < -------- < <	4464					
						2880 >	4		30		Belvedere Simplex Outlet
5		20	1	Pedestal Duplex Outlet	< 1920						
					1920	> > ---------- > >	6		20	2	Belvedere Quad Outlet 1
7		20	1	Irrigation Controls	< < -------- < <	1920					
						1920 >	8		20		Belvedere Quad Outlet 1
9		20	1	Two Duplex Outlets - S	< 1920						
					1920	> > ---------- > >	10		20	1	Two Duplex Outlets - N
11		20	1	Two Duplex Outlets - S	< < -------- < <	1920					
						1920 >	12		20	1	Two Duplex Outlets - N
13				Space	<						
						> > ---------- > >	14		20	1	Spare
15				Space	< < -------- < <						
						>	16				Space
17				Space	<						
						> > ---------- > >	18				Space
				Connected VA per Leg =	15024	15024					
				Total Amps per Leg =	125	125					

VPEP - LIGHTING DISTRIBUTION TERMINAL BLOCKS 2 POLE, MAIN = 1, BRANCH = 6 SqD LBA 263106 OR EQ
VITRUVIAN PARK WEST NORTH, VITRUVIAN PARK WEST SOUTH, VITRUVIAN PARK EAST NORTH, VITRUVIAN PARK EAST SOUTH, SPACE & SPACE

Panel Schedule	Single Phase												
Project:	Vitruvian Park						Date:	8/16/2010					
Panel Name:	VPWP - West Pedestal			Volts<L-L>:	240				Main Bkr:		200	Amps	
Mfg:				Volts<L-G>:	120				Main Lugs:			Amps	
Model:				Phase:	1				Panel AIC:		22,000	Amps	
Description:				Wires:	3				Neutral Bar:	Y		Y / N	
Location:	I		"I" = Indoor, "O" = Outdoor						Ground Bar:	Y		Y / N	
Breaker Mounting:	S		"S" = Standard, "B" = Bolt-In										

Pos. No.	Bkr No.	Trip Amps	No. Bkr Poles	Serves	Load VA L1	Load VA L2	Pos. No.	Bkr No.	Trip Amps	No. Bkr Poles	Serves
1		30	2	WO Simplex Outlet 2 - S	< 2880						
					2880	> > ---------- > >	2		30	2	WO Simplex Outlet 1 - N
3		30		WO Simplex Outlet 2 - S	< < -------- < <	2880					
						2880 >	4		30		WO Simplex Outlet 1 - N
5		20	2	WO Quad Outlet 3 - S	< 1920						
					1920	> > ---------- > >	6		20	2	WO Quad Outlet 1 - N
7		20		WO Quad Outlet 3 - S	< < -------- < <	1920					
						1920 >	8		20		WO Quad Outlet 1 - N
9		20	2	WO Quad Outlet 4 - S	< 1920						
					1920	> > ---------- > >	10		20	2	WO Quad Outlet 2 - N
11		20		WO Quad Outlet 4 - S	< < -------- < <	1920					
						1920 >	12		20		WO Quad Outlet 2 - N
13		20	1	Two Duplex Outlets - S	< 1920						
					1920	> > ---------- > >	14		20	1	Spare
15		20	1	Two Duplex Outlets - S	< < -------- < <	1920					
						>	16		20	1	Spare
17		20	2	Lighting Contactor (BAL)	< 1920						
						> > ---------- > >	18				Space
19		20		Lighting Contactor (BAL)	< < -------- < <	1920					
						>	20				Space
				Connected VA per Leg =	19200	17280					
				Total Amps per Leg =	160	144					

VPWP - LIGHTING CONTACTOR TO SERVE PONTE AVENUE BRIDGE ACCENT LIGHTING.
NO DISTRIBUTION BLOCKS REQUIRED.



SCHEMATIC TYPE D
120/240 VOLTS - THREE WIRE
TYPE D SERVICE NOTES

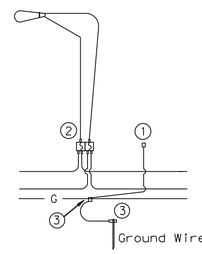
Photocell and lighting contactor shall be located in the same UL type 3R enclosure with load center. There shall be a window on each side of enclosure to allow operation of photocell. Both photocell, contactor and breaker area shall have dead front trim. Type D load center with lighting controls shall have power distribution blocks for a minimum of 12, #2 conductors.

SCHEMATIC LEGEND

1 - Omit
2 - Meter
3 - Service Assembly Enclosure
4 - Main Disconnect Breaker
5 - Lightning Arrestor - Delta LA302 or Eq
6 - Circuit Breakers
7 - Lighting Contactor Feed - 2-#2cu
8 - Control Station ("H-O-A" Switch)
9 - Photo Electric Control (enclosure-mounted)
10 - Lighting Contactor - 100 amp
11 - Power Distribution Block Feed - 2-#2cu
12 - Power Distribution Terminal Blocks - SqD LBA or Eq
13 - Neutral/Ground Bus
14 - Omit
15 - Load Center
16 - Mechanical 24 Hr Time Clock

——— Power Wiring
— — — Control Wiring
—— N —— Neutral Conductor (for 120 volt loads only)
—— G —— Equipment grounding conductor-always required

ELECTRIC SERVICE PEDESTAL SCHEMATIC



FOR THREE-WIRE CIRCUIT-CENTER GROUNDED
LUMINAIRES SERVED AT 240V FOR 120/240 VOLT SERVICE
SINGLE FIXTURE

NOTES:

1. Use threaded, copper or tin-plated copper, pole bonding connector, sized appropriately for conductors.
2. Double-Pole inline fuse and connector, sized appropriately for conductors. Bussmann TRON HEY with 2A0660 & 2A0661 Insulating Boots and LIMITRON KTK-R fast acting fuses or equal -
3. Split Bolt or other connector.

ELECTRICAL CONNECTION DETAIL

GENERAL ELECTRICAL NOTES:

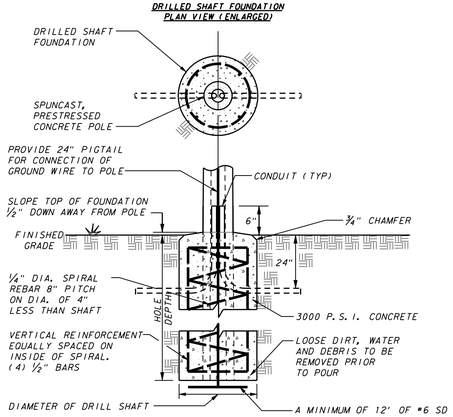
1. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE REQUIREMENTS OF THE 2005 NATIONAL ELECTRICAL CODE, N.F.P.A. 70, 2006 IECC, 2006 IBC AND ALL LOCAL AND STATE CODES AND REGULATIONS. THE CONTRACTOR SHALL OBTAIN AND PAY FOR ALL PERMITS AND INSPECTIONS REQUIRED BY THE BUILDING AND SAFETY CODES AND ORDINANCES, AND THE RULES AND REGULATIONS OF ANY LEGAL BODY HAVING JURISDICTION.
2. ALL MATERIAL FURNISHED AND ALL LABOR PERFROMED UNDER THESE CONTRACTS SHALL BE IN STRICT ACCORDANCE WITH THE RULES, REGULATIONS, AND CODES OF NATIONAL, STATE, MUNICIPAL OR ANY OTHER AUTHORITIES THAT MAY HAVE LAWFUL JURISDICTION PERTAINING TO THE WORK SPECIFIED. EACH CONTRACTOR WILL OBTAIN ALL NECESSARY PERMITS, LICENSES, AND CERTIFICATES OF APPROVAL AND PAY THEIR FEES TO CARRY OUT HIS WORK.
3. CONTRACTOR IS CAUTIONED OF HIS SOLE RESPONSIBILITY TO ASCERTAIN THE LOCATION OF ANY AND ALL BURIED UTILITIES, AND ONLY BY EXERCISE OF DUE CAUTION CAN DAMAGE TO SAID UTILITIES AND ASSOCIATED PROPERTIES, ALONG WITH PERSONNEL INJURY OF LOSS OR LIFE, BE AVOIDED.
4. ALL CHANGES OR VARIATIONS NECESSITATED BY UNFORESEEN CONDITIONS SHALL BE VERIFIED WITH ENGINEER BEFORE SUCH CHANGES OR VARIATIONS ARE UNDERTAKEN.
5. EACH CONTRACTOR SHALL MAKE HIMSELF & HIS TRADESMEN FAMILIAR WITH THE COMPLETE SET OF DRAWINGS AND SHALL BE PARTICULARLY AWARE OF ANY AND ALL CONFLICTS REGARDING HIS TRADE AND OTHER TRADES OCCUPYING THE SAME AREA; I.E. PIPES, DUCTS, CONDUIT, ETC. WHEN INSTALLING ITEMS OF HIS TRADE EACH CONTRACTOR SHALL CONSULT WITH OTHER TRADES OCCUPYING THE SAME AREA AND THE ENGINEER TO DETERMINE THE BEST SOLUTION TO THE CONFLICT. ALL DECISIONS BY THE ENGINEER SHALL BE FINAL AND BINDING TO ALL PARTIES CONCERNED.
6. THE LOCATION OF ALL PIPES, OUTLETS, FIXTURES, ETC, SHOWN ON PLANS IS THE DESIGN INTENT. ANY REVISION OR ADJUSTMENT SHALL BE COORDINATED AND APPROVED BY THE ENGINEER PRIOR TO CONSTRUCTION. THE ENGINEER RESERVES THE RIGHT TO MAKE REASBLE CHANGES TO THE INDICATED LOCATIONS BEFORE WORK IS ROUGHED-IN WITHOUT ADDITIONAL CHARGE TO THE OWNER.
7. FINAL CONNECTIONS TO EQUIPMENT SHALL BE PER MANUFACTURER'S APPROVED WIRING DIAGRAMS, DETAILS AND INSTRUCTIONS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE MATERIALS AND EQUIPMENT COMPATIBLE WITH ACTUAL EQUIPMENT SUPPLIED.
8. VERIFY EXACT LOCATIONS OF EXISITING AND NEW UNDERGROUND UTILITIES, PIPING AND RACEWAY SYSTEMS PRIOR TO TRENCHING. PROVIDE NECESSARY TRENCHING, BACKFILL, EXCAVATION, SUPPORTS, SERVICES (CONDUIT AND/OR WIRE), PULLBOXES, TRANSFORMER PADS, SAWCUTTING AND PATCHING, CONCRETE/PAVING, ETC. AS REQUIRED. CONTRACTOR SHALL OBTAIN AND VERIFY EXACT UTILITY COMPANY DRAWINGS AND REQUIREMENTS.
9. CONTRACTOR SHALL BE RESPONSIBLE FOR REPLACING EQUIPMENT WHICH IS DAMAGED DUE TO INCORRECT FIELD WIRING OR FACTORY WIRING IN EQUIPMENT.
10. ALL COST INCURRED BY THE ACCEPTANCE OF SUBSTITUTIONS SHALL BE BORNE BY THE CONTRACTOR. PROOF FOR THE EQUALITY OF SUBSTITUTIONS SHALL BE BY THE CONTRACTOR.
11. ALL ELECTRICAL ITEMS SHALL BE U.L. LABELED AND LISTED FOR THEIR SPECIFIC USE.
12. THE ELECTRICAL CONTRACTOR SHALL PAY ALL COSTS REQUIRED BY THE LOCAL UTILITY COMPANY PROVIDING SERVICES INDICATED. ELECTRICAL CONTRACTOR SHALL COORDINATE METERING, TRANSFORMER PAD, CONNECTION POINTS AND GROUNDING WITH UTILITY COMPANY.
13. ALL SERVICE ENTRANCE EQUIPMENT, INCLUDING BUT NOT LIMITED TO ANY MAIN DISCONNECT SWITCH, PANEL, OR SWITCHBOARD, SHALL BE LISTED AND LABELED AS "SUITABLE FOR USE AS SERVICE ENTRANCE EQUIPMENT."
14. THE ELECTRICAL SYSTEMS SHALL BE SOLIDLY GROUNDED. ALL NON-CURRENT CARRYING METAL PARTS OF THE ELECTRICAL SYSTEM, I.E., RACEWAYS, EQUIPMENT ENCLOSURES, FRAMES, JUNCTION AND OUTLET BOXES AND OTHER CONDUCTIVE ITEMS IN CLOSE PROXIMITY WITH ELECTRICAL CIRCUITS, SHALL BE GROUNDED TO PROVIDE A LOW IMPEDANCE PATH FOR POTENTIAL GROUND FAULTS.
15. EQUIPMENT GROUNDING CONDUCTORS SHALL BE INSTALLED IN ALL RACEWAYS AND CABLES.
16. THE NEUTRAL AND GROUND BUS SHALL BE BONDED TOGETHER AT ALL SERVICE EQUIPEMENT.
17. CONDUIT SHALL BE RUN PARALLEL OR AT RIGHT ANGLES TO WALLS, CEILINGS, AND STRUCTURAL MEMBERS.
18. ALL RACEWAYS SHALL BE INSTALLED CONCEALED EXCEPT IN UNFINISHED SPACES WHERE INDICATED ON DRAWINGS.
19. ALL EMPTY CONDUITS SHALL BE EQUIPPED WITH A PULL WIRE-200 LB TEST NYLON.
20. OPEN TRENCHES SHALL BE PROTECTED AND SUPERVISED AT ALL TIMES.
21. SELECT GRANULAR STRUCTURAL BACKFILL IS REQUIRED AROUND, AND 12" ABOVE, ALL CONDUIT.
22. ELECTRICAL "WARNING TAPE" SHALL BE INSTALLED IN ALL TRENCHES 12" ABOVE HIGHEST CONDUIT.
23. FASTENERS AND SUPPORTS SHALL BE AS MANUFACTURED BY GEDNEY, EFCOR OR EQUAL. SUPPORTING DEVICES SHALL BE THOSE AS MANUFACTURED FOR A SPECIFIC PURPOSE. NAILS, WIRE OR PIPE STRAP SHALL NOT BE USED.
24. ALL CIRCUIT CONDUCTORS SHALL BE COPPER, 90°C, XHHW-2 INSULATION.
25. WIRE NO. 8 AWG AND LARGER SHALL BE STRANDED, NO. 10 AND SMALLER SHALL BE SOLID. MINIMUM CONDUCTOR SIZE SHALL BE NO. 12.
26. ALL BRANCH CIRCUIT AND FEEDER CONDUCTORS, NO. 8 AWG AND SMALLER, SHALL BE COLOR CODED AS FOLLOWS (WHERE APPROVED BY THE AUTHORITY HAVING JURISDICTION):

    120/208 VOLT SYSTEM

    PHASE A - BLACK
    PHASE B - RED
    PHASE C - BLUE
    NEUTRAL - WHITE
    GROUND - GREEN

27. CONTRACTOR SHALL VERIFY AVAILABLE FAULT CURRENT, TRANSFORMER SIZE, AND SERVICE CONDUCTOR FROM ELECTRIC POWER UTILITY BEFORE ORDERING BREAKERS.
28. ELECTRICAL CONTRACTOR SHALL VERIFY THE MOTOR UNIT LOADS BEFORE ORDERING BREAKERS.
29. PANELBOARDS SHALL HAVE BOLT-IN CIRCUIT BREAKERS AND ALUMINUM BUSSING.
30. OVERCURRENT PROTECTIVE DEVICES SHALL BE AUTOMATIC TRIP THERMAL MAGNETIC TYPE WITH QUICK-MAKE, QUICK-BREAK FOR BOTH MANUAL AND AUTOMATIC OPERATIONS. ALL MULTIPOLE BREAKERS SHALL BE COMMON TRIP; HANDLE TIES WILL NOT BE ACCEPTED.
31. SWITCHBOARDS, DISTRUBUTION BOARDS, PANELBOARDS, DISCONNECT SWITCHES AND MOTOR CONTROL CENTERS SHALL BE MANUFACTURED BY SQUARE 'D', GENERAL ELECTRIC, SIEMENS, OR EATON/CUTLER HAMMER.
32. TYPEWRITTEN PANELBOARD SCHEDULES AND DESIGNATION PLATES SHALL BE PROVIDED BY THE CONTRACTOR FOR ALL PANELBOARDS. PANELBOARD DESIGNATIONS SHALL BE PHENOLIC-ENGRAVED.
33. WIRE TERMINATION PROVISIONS FOR PANELBOARDS, CIRCUIT BREAKERS, SAFETY SWITCHES AND ALL OTHER ELECTRICAL APPARATUS SHALL BE LISTED AS SUITABLE FOR 75°C MINIMUM.
34. SAFETY-TYPE DISCONNECT SWITCHES SHALL BE HEAVY DUTY WITH QUICK-MAKE, QUICK-BREAK MECHANISM WITH INTERLOCKING COVER WHICH NORMALLY CANNOT BE OPENED WHEN THE SWITCH IS IN THE 'ON' POSITION. SWITCH SHALL HAVE PROVISIONS FOR PAD-LOCKING IN THE OPEN OR CLOSED POSITION. FUSIBLE DISCONNECT SWITCHES SHALL HAVE REJECTION-TYPE FUSEHOLDERS. FUSES SHALL BE NON-RENEWABLE, DUAL ELEMENT TIME-DELAY 'RK1' OR 'RK5'; OR AS SPECIFIED OTHERWISE. ACCEPTABLE MANUFACTURES: SQUARE 'D', GENERAL ELECTRIC, SIEMENS, OR EATON/CUTLER HAMMER.
35. UNLESS INDICATED ON DRAWINGS, BALLASTS PROVIDED WITH FIXTURES SHALL BE ETL-CBM APPROVED, HIGH POWER FACTOR, WITH U.L. LABEL. ALL BALLASTS FOR RAPID START LAMPS SHALL BE PREMIUM CLASS P.
36. ALL FIXTURES TO BE FURNISHED COMPLETE WITH LAMPS.
37. UNLESS OTHERWISE NOTED, DUPLEX RECEPTACLES SHALL BE RATED 20 AMP, HUBBELL CR5362 OR APPROVED EQUAL.
38. UNLESS OTHERWISE NOTED, TOGGLE SWITCHES SHALL BE 20 AMP, HUBBELL CS1221 OR APPROVED EQUAL.
39. UNLESS OTHERWISE NOTED, DEVICE PLATES SHALL BE NYLON.
40. PANEL, WIRING DEVICES, SWITCHES AND DISCONNECTS, LIGHTING FIXTURES AND FUSE SUBMITTALS SHALL BE REQUIRED, AND ARE TO INCLUDE MANUFACTURER'S DATA, TEST REPORTS, PERFORMANCE DATA AND CERTIFICATIONS.

DRILLED SHAFT FOUNDATION
PLAN VIEW (ENLARGED)



TYPE NO.	SHAFT DEPTH	SHAFT DIA.
1	59"	24"
2	59"	30"

DRILLED SHAFT FOUNDATION EMBEDDED POLE

NO.	REVISION	BY	DATE

TOWN OF ADDISON
DALLAS COUNTY, TEXAS

PARK AND STREETSCAPE IMPROVEMENTS
VITRUVIAN PARK

PARK LIGHTING & ELECTRICAL DETAILS

icon Consulting Engineers, Inc.
Civil Engineers - Designers - Planners
250 W. Southlake Blvd., Suite 117
Southlake, Tx 76092 (817) 552-6210

PROJECT	DESIGN	DRAWN	DATE	FILE	SHEET
5029-01	ICE	ICE	APR 26, 2010	PW# 2009-04	C804

PARK AND STREETSCAPE IMPROVEMENTS - VITRUVIAN PARK

RECORD DRAWINGS 06/18/12

VITRUVIAN WAY

12"W
CURB
1 1/2" W
SL
GAS
SD
SS
8"SS
W
IRR
UGE
6' X 5' SD
18"SD
FUTURE RESTROOMS
FUTURE INTERACTIVE FOUNTAIN VAULT
FUTURE INTERACTIVE FOUNTAIN TREATMENT
FUTURE INTERACTIVE FOUNTAIN
GA 30,32,34 FUTURE
GA 22,24
GA 13,15
GA 25,27
GA 14,16
GA 18,20
GA 26,28
GA 17,19
GA 21,23
GA 29,31
GA 1,3
GA 6,8
SK1
SK2
S
L5
AMPITHEATER PARK LIGHTING
PERFORMANCE LIGHTING FOUNDATION
200A COMPANY SWITCH (LIGHTING)
100A COMPANY SWITCH (SOUND)
CABLE TROUGH TYPICAL
PANEL GAL GA LIGHTING CONTROLS
PANEL GA TO GAL 4-#6 IN 1 1/4" CONDUIT
PANEL GA
STD SPST TOGGLE @ 48" HT TYPICAL
VPN LIGHTING
VPN POWER
6' X 5' SD
GROTTO POOL
GROTTO WATERFALL
GROTO WATERFALL ANEMOMETER MOUNTING HEIGHT SAME AS LIGHT FIXTURES
10"W

GROTTO PLAN
SCALE: 1/8" = 1'-0'

LEGEND

- DULPEX 20A GFCI RECEPTACLE HUBBELL GFR5362SGW OR EQ
- SIMPLEX 30A 120/240V 4 WIRE L14-30 LOCKING RECEPTACLE HUBBELL OR EQ WITH WHILE-IN-USE WATERPROOF COVER
- QUAD (2) CIRCUIT 20A GFCI RECEPTACLE (2) HUBBELL GFR5362SGW OR EQ WITH WHILE-IN-USE WATERPROOF COVER
- SAX — LIGHT POLE BASE AND FIXTURE TYPE
- XX-XX — PANEL DESIGNATION & CIRCUIT NUMBER
- POWER CONDUIT
- LIGHTING CONDUIT
- IRR — IRRIGATION SLEEVE - 1-6" & 1-2" SCH 40 PVC UNLESS OTHERWISE NOTED

STATE OF TEXAS
BRUCE F. DUNNE
62654
LICENSED PROFESSIONAL ENGINEER

NO.	REVISION	BY	DATE

TOWN OF ADDISON
DALLAS COUNTY, TEXAS

PARK AND STREETSCAPE IMPROVEMENTS
VITRUVIAN PARK

PARK LIGHTING & ELECTRICAL PLAN GROTTO

icon Consulting Engineers, Inc.
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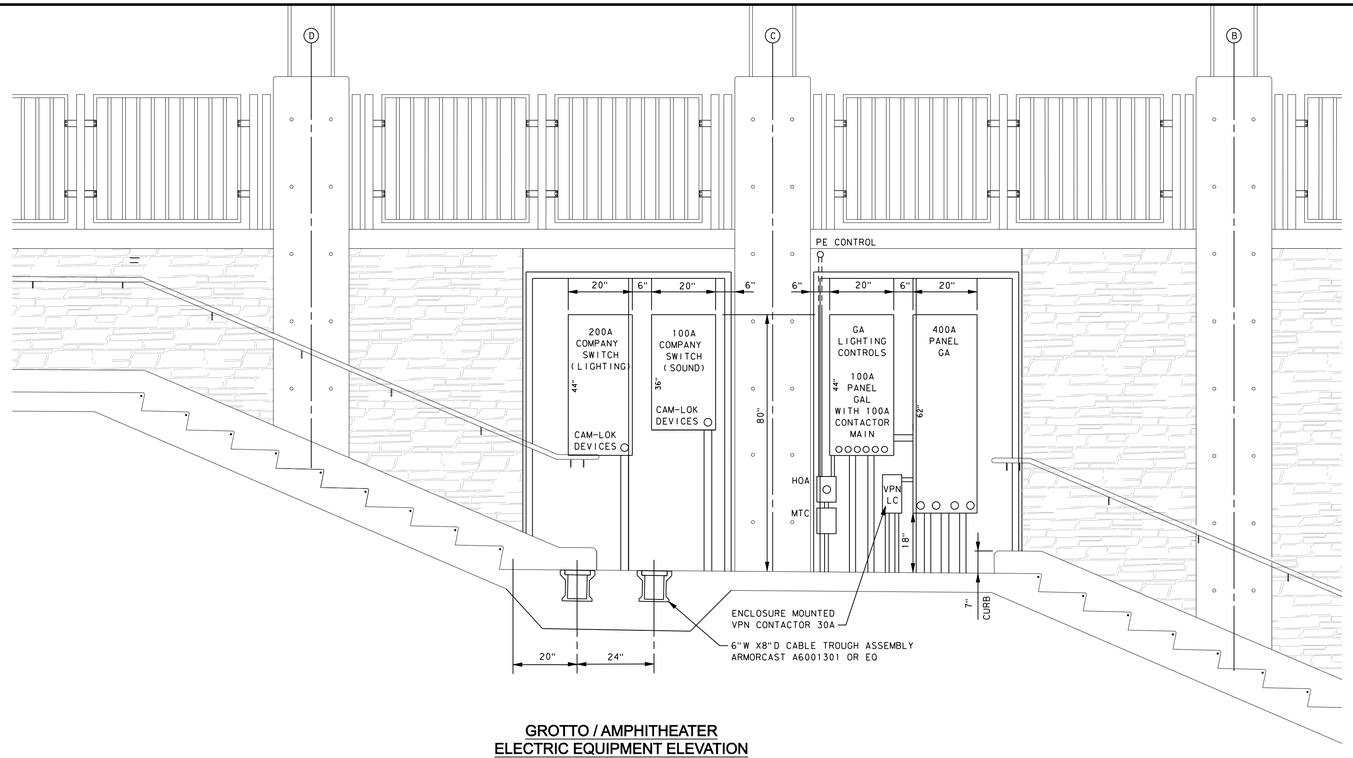
PROJECT	DESIGN	DRAWN	DATE	FILE	SHEET
5029-01	ICE	ICE	APR 26, 2010	PW # 2009-04	C805

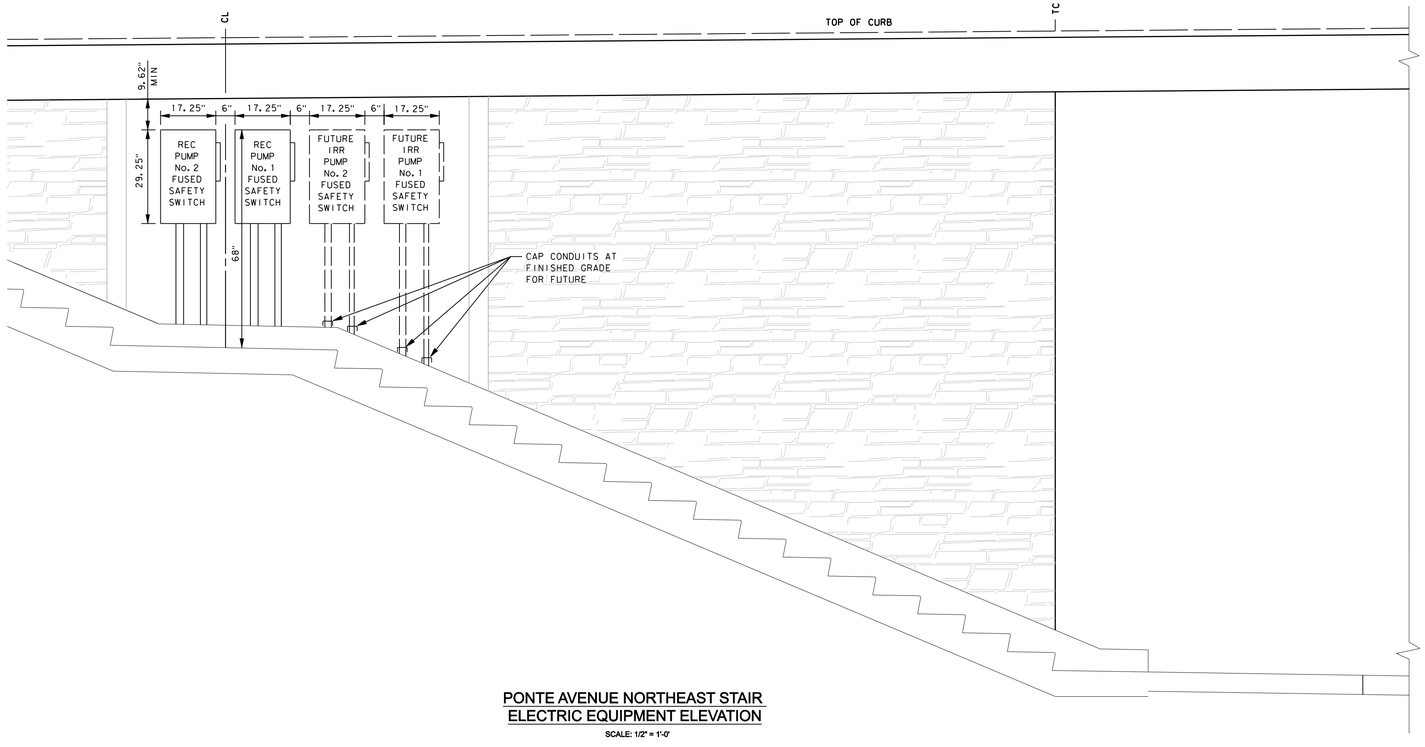
PARK AND STREETSCAPE IMPROVEMENTS - VITRUVIAN PARK

RECORD DRAWINGS 06/18/12



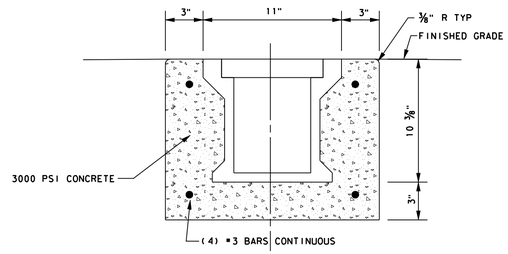
GROTTO / AMPHITHEATER
ELECTRIC EQUIPMENT ELEVATION

SCALE: 1/2" = 1'-0"



PONTE AVENUE NORTHEAST STAIR
ELECTRIC EQUIPMENT ELEVATION

SCALE: 1/2" = 1'-0"



TYPICAL SECTION
CABLE TROUGH ASSEMBLY
ENCASED IN CONCRETE

SCALE: 2" = 1'-0"

Panel Schedule: Single Phase — Project: Vitruvian Park — Date: 9/28/2009

Panel Name:	GAL - G / A Lighting			Volts<L-L>:	208			Main Bkr:		Amps			
Mfg:				Volts<L-G>:	120			Main Lugs:	GAL Contactor - 100	Amps			
Model:				Phase:	1			Panel AIC:	22,000	Amps			
Description:				Wires:	3			Neutral Bar:	Y	Y / N			
Location:	I	"I" = Indoor, "O" = Outdoor						Ground Bar:	Y	Y / N			
Breaker Mounting:	S	"S" = Standard, "B" = Bolt-In											

Pos. No.	Bkr No.	Trip Amps	No. Bkr Poles	Serves	Load VA L1	Load VA L2	Pos. No.	Bkr No.	Trip Amps	No. Bkr Poles	Serves
1		15	2	Ampith Lighting (Back)	< 435		2		15	1	Grotto Lighting (N-O)
					448 >						
3		15		Ampith Lighting (Back)	< < ------- < <	435					
						322 >	4		15	1	Grotto Lighting (N-C)
5		15	2	Ampith Lighting (Front)	< 316						
					392 >		6		15	1	Grotto Lighting (N-I)
7		15		Ampith Lighting (Front)	< < ------- < <	316					
						448 >	8		15	1	Grotto Lighting (S-O)
9		15	2	Ampith Lighting (Lake)	< 237						
					322 >		10		15	1	Grotto Lighting (S-C)
11		15		Ampith Lighting (Lake)	< < ------- < <	237					
						392 >	12		15	1	Grotto Lighting (S-I)
13		15	1	Grotto Lighting (WF-S)	< 2000						
					500 >		14		15	1	Grotto Lighting (Pool-N)
15		15	1	Grotto Lighting (WF-C)	< < ------- < <	2000					
						500 >	16		15	1	Grotto Lighting (Pool-C)
17		15	1	Grotto Lighting (WF-N)	< < ------- < <	1000					
						500 >	18		15	1	Grotto Lighting (Pool-S)
				Connected VA per Leg =	4650	6150					
				Total Amps per Leg =	39	51					

ALL BREAKERS SHALL BE SWITCH RATED.
NO TANDEM BREAKERS ALLOWED.
ENCLOSURE MOUNTED PHOTO ELECTRIC CONTROL, MECHANICAL 24 HR TIME CLOCK AND HOA SWITCH REQUIRED FOR CONTACTOR OPERATION.

Panel Schedule: Three Phase — Project: Vitruvian Park — Date: 4/23/2010

Panel Name:	GA - Grotto / Amphitheater			Volts<L-L>:	208			Main Bkr:	400	Amps			
Mfg:				Volts<L-G>:	120			Main Lugs:		Amps			
Model:				Phase:	3			Panel AIC:	22,000	Amps			
Description:				Wires:	4			Neutral Bar:	Y	Y / N			
Location:	I	"I" = Indoor, "O" = Outdoor						Ground Bar:	Y	Y / N			
Breaker Mounting:	S	"S" = Standard, "B" = Bolt-In											

Pos. No.	Bkr No.	Trip Amps	No. Bkr Poles	Serves	Load VA Phase A	Load VA Phase B	Load VA Phase C	Pos. No.	Bkr No.	Trip Amps	No. Bkr Poles	Serves
1		30	2	Ampith Simplex Outlet N	< 2500							
					2500 >	> ---------- > >		2		30	2	Ampith Simplex Outlet C
3		30		Ampith Simplex Outlet N	< < ------- < <	2500						
						2500 >	> ------- > >	4		30		Ampith Simplex Outlet C
5		20	2	Ampith Quad Outlet 2 C	< < ---------- < <	1920						
						1920 >		6		20	2	Ampith Quad Outlet 1 N
7		20		Ampith Quad Outlet 2 C	< 1920							
					1920 >	> ---------- > >		8		20		Ampith Quad Outlet 1 N
9		20	2	Ampith Quad Outlet 3 S	< < ------- < <	1920						
						2500 >	> ------- > >	10		30	2	Ampith Simplex Outlet S
11		20		Ampith Quad Outlet 3 S	< < ---------- < <	1920						
						2500 >		12		30		Ampith Simplex Outlet S
13		20	2	Grotto Quad Outlet 1 S	< 1920							
					2500 >	> ---------- > >		14		30	2	Grotto Simplex Outlet 1 N
15		20		Grotto Quad Outlet 1 S	< < ------- < <	1920						
						2500 >	> ------- > >	16		30		Grotto Simplex Outlet 1 N
17		20	2	Grotto Quad Outlet 2 S	< < ---------- < <	1920						
						1920 >		18		20	2	Grotto Quad Outlet 1 N
19		20		Grotto Quad Outlet 2 S	< 1920							
					1920 >	> ---------- > >		20		20		Grotto Quad Outlet 1 N
21		20	2	Grotto Quad Outlet 2 N	< < ------- < <	1920						
						2500 >	> ------- > >	22		30	2	Grotto Simplex Outlet 1 S
23		20		Grotto Quad Outlet 2 N	< < ---------- < <	1920						
						2500 >		24		30		Grotto Simplex Outlet 1 S
25		30	2	Grotto Simplex Outlet 2 S	< 2500							
					2500 >	> ---------- > >		26		30	2	Grotto Simplex Outlet 2 N
27		30		Grotto Simplex Outlet 2 S	< < ------- < <	2500						
						2500 >	> ------- > >	28		30		Grotto Simplex Outlet 2 N
29		65	2	Panel GAL Contactor	< < ---------- < <	6150						
						6000 >		30		50	3	Future Interactive Fountain
31		65		Panel GAL Contactor	< 4650							
					6000 >	> ---------- > >		32		50		Future Interactive Fountain
33		30	2	VPN Contactor	< < ------- < <	2400						
						6000 >	> ------- > >	34		50		Future Interactive Fountain
35		30		VPN Contactor	< < ---------- < <	2400						
						1920 >		36		20	1	Two Duplex Outlets - N1
37				Space	<							
					1920 >	> ---------- > >		38		20	1	Two Duplex Outlets - N2
39				Space	< < ------- < <							
						> ------- > >		40				Space
41				Space	< < ---------- < <							
							>	42				Space
				Connected VA per Phase =	34670	31660	32990					
				Total Amps per Phase =	289	264	275					

NO.	REVISION	BY	DATE

TOWN OF ADDISON
DALLAS COUNTY, TEXAS

PARK AND STREETSCAPE IMPROVEMENTS
VITRUVIAN PARK

PARK LIGHTING & ELECTRICAL DETAILS

icon Consulting Engineers, Inc.
Civil Engineers - Designers - Planners
250 W. Southlake Blvd., Suite 117
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PROJECT	DESIGN	DRAWN	DATE	FILE	SHEET
5029-01	ICE	ICE	APR 26, 2010	PW # 2009-04	C806

PARK AND STREETSCAPE IMPROVEMENTS - VITRUVIAN PARK

RECORD DRAWINGS 06/18/12

I. GENERAL REQUIREMENTS FOR ALL ELECTRICAL WORK

The location of all conductors, conduits, junction boxes, ground boxes, and electrical services is diagrammatic only and may be shifted by the Engineer to accommodate local conditions.

Materials shall be new and unused. Materials and installation shall comply with the applicable provisions of the National Electrical Code (NEC), National Electrical Manufacturers Association (NEMA) standards, and shall be Underwriters Laboratories (UL) Listed unless otherwise shown on the plans or specifications or approved by the Engineer in writing. Faulty fabrication or poor workmanship in any material, equipment, or installation shall be justification for rejection. When reference is made to UL, it can be considered to mean a Nationally Recognized Independent Testing Lab (NRTL). Comparable standards of Canadian Standard Association, Electrical Testing Laboratories or Factory Mutual can be equal to the referenced UL standard. Where reference is made to NEMA listed devices, IEC listed devices shall not be considered to be an acceptable equal to a NEMA listed device. Acceptable devices may have both a NEMA and IEC listing.

With the exception of high strength bolts, miscellaneous nuts, bolts and hardware may be stainless steel when plans specify galvanized, provided that bolts are 1/2 inch or less in diameter. The Contractor shall provide the following electrical test instruments as required by the Engineer to confirm compliance with the contract and the NEC. Those test instruments are voltmeter, amp probe, megger (1000 volt DC) and torque wrenches. All meters shall have been properly calibrated within one year. Calibration certification shall be provided to the Engineer upon request. Calibration certification tag shall also be applied to the meter. The Contractor shall operate meters during inspection as requested by the Engineer. Grounding shall be as shown on the plans and in accordance with the NEC. Metallic conduit, light poles, luminaires on bridge structures, and all metal enclosures shall be bonded to the system-grounding conductor. The ground rod in each ground box or junction box at the bridge ends, and in each ground box installed for underpass lighting will also be bonded to the system grounding conductor. The grounding conductor shall be bare or, if insulated, shall be green. Ground rods, connectors, and bonding jumpers will not be paid for separately, but will be subsidiary to the various bid items.

SUBMITTALS:

The contractor shall submit for approval six (6) copies of catalog cut sheets for each of the following three (3) categories.
Category 1. Electrical services including photocell.
Catagory 2. Breakaway disconnects, heat shrink tubing, heat shrink filler tape, GelCaps and ground boxes which will include loading capacity certification.
Category 3. Highmast assembly kits, when applicable. See Item 614 "Highmast Illumination Assemblies". Submittals shall be legible and shall be marked to indicate which product on a cut sheet is to be supplied. Where manufacturers provide warranties and guarantees as a customary trade practice, the Contractor shall furnish to the State such warranties and guarantees.
Any deviation from plans or specifications, including deviations due to plan error shauld be prominently displayed on the submittal.
Any changes not prominently noted in submittal and incorporated into the work without proper authorization will constitute grounds for rejection of that portion of the work.

II. CONDUIT

A. MATERIALS

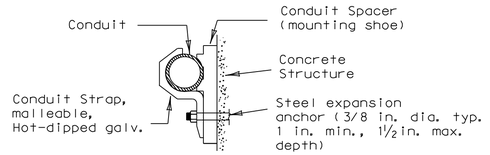
1. Conduit and fittings shall be UL Listed for the intended use shown on plan sheets.
2. Conduit shall be the type shown by descriptive code or shown elsewhere on the plans. Substitution of the various types of conduits will not be permitted. All flexible conduit in rigid metallic conduit (RMC) systems shall be Liquidtight Flexible Metal (LFMC) conduit. All flexible conduit in PVC systems shall be Liquidtight Flexible Non-metallic conduit (LFNC).
3. All exposed conduits shall be RMC, unless otherwise specifically shown on the plans. All metal conduit shall be properly grounded.
4. Couplings, connectors, conduit bodies, grounding bushings, and offset nipples for RMC shall be electro-zinc plated steel or hot dipped galvanized malleable iron, threaded or threadless compression type, rain-tight and shall be UL listed for the intended use.
5. Expansion joints for metal conduit shall be provided with an internal or external bonding jumper and shall be UL listed.
6. Unless otherwise shown on the plans, junction box minimum sizes shall be in accordance with the following table which applies to the greatest number of conductors entering the box through one conduit with no more than four conduits per box. When a mixture of conductor sizes are present, the conductors shall be counted as if all are of the larger size. Situations not applicable to the table shall be sized in accordance with NEC 370-28.

AWG	3 CONDUCTORS	5 CONDUCTORS	7 CONDUCTORS
#1	10" x 10" x 4"	12" x 12" x 4"	16" x 16" x 4"
#2	8" x 8" x 4"	10" x 10" x 4"	12" x 12" x 4"
#4	8" x 8" x 4"	10" x 10" x 4"	10" x 10" x 4"
#6	8" x 8" x 4"	8" x 8" x 4"	10" x 10" x 4"
#8	8" x 8" x 4"	8" x 8" x 4"	8" x 8" x 4"

7. RMC system junction boxes equal to or smaller, in any dimension, than 12 x 12 x 6 (HxWxD), surface mounted and containing conductors #8 or larger, shall be hot dipped galvanized cast iron with minimum wall thickness of 3/16 inch, shall have external mounting lugs, and shall be UL listed Crouse-Hinds Type WAB, OZ/Gedney Type YS or approved equal. Unless otherwise shown elsewhere on the plans, RMC system junction boxes larger than the aforementioned boxes but equal to or smaller, in any dimension, than 18 x 18 x 6 (HxWxD) shall be 14-ga. stainless steel; RMC system junction boxes larger than 18 x 18 x 6 (HxWxD) shall be 12-ga. stainless steel. All metal junction boxes shall be equipped with a threaded hole or lug for grounding. Stainless steel boxes 12 x 12 x 6 and larger need not be UL Listed but shall meet the other requirements of the NEC and shall have ribs, stiffeners, or thicker metal and shall have external mounting feet. Junction boxes with an internal volume of more than 100 cu. in. may be supported by connection of two or more rigid metal conduits, where specifically shown on the plans or where approved by the Engineer.
8. Junction boxes containing only #10 or #12 AWG conductors shall be Crouse Hinds Type GRFX, Appleton Type JBOX, two-gang FD, or similar approved cast iron box. Boxes shall be sized according to NEC Table 370-16(a).
9. IMC and EMT conduit shall not be used unless specifically required by the plan layout sheets. Junction boxes in EMT conduit systems shall be made from galvanized sheeting and shall be UL listed and approved for outdoor use, unless otherwise noted on the plans. Sheet metal junction boxes shall be sized in accordance with the NEC. Junction boxes for IMC conduit systems shall meet the requirements of boxes used with RMC systems.
10. Junction boxes in PVC conduit systems shall be PVC, intended for outdoor use, unless otherwise noted on the plans.
11. Elbows in PVC conduit systems one inch and larger shall be rigid metal, with the exception of traffic signal systems which may have PVC elbows instead of rigid. If any part of the rigid metal elbow is buried less than 18 inches underground the elbow and rigid metal extension shall be grounded. Grounding shall be accomplished by means of a grounding bushing installed on the extension. Unless specifically shown on the plans, rigid metal elbows containing, or entering ground boxes containing only communications conductors, loop detectors, or other low voltage power limited circuits need not be grounded unless a ground wire is present in the conduit or ground box. The rigid metal elbows located in concrete foundations may be extended with PVC conduit and need not be grounded provided that the end of the elbow nearest the end of the conduit run exiting the foundation is at least 2 inches below the concrete. RMC elbows will not be eliminated. RMC elbows will not be paid for directly, but will be subsidiary to various bid items.
12. High-Density Polyethylene (HDPE) conduit shall meet the requirements of Item 622, Duct Cable, except that the HDPE conduit, when bid under Item 618, Conduit, shall not contain factory installed conductors. Fittings for HDPE conduit shall be UL listed as an electrical conduit connector or shall be thermally fused using an electrically heated wound wire resistance welding method. HDPE conduit may be substituted for bored schedule 40 or schedule 80 PVC conduit. When such substitution is made, bored HDPE shall be schedule 40 of the size PVC being replaced. The HDPE conduit shall transition to PVC (or RMC elbow when required) at the bore pit. Size and schedule shall be as shown on the plans. Substituted conduit may not be extended to ground boxes or foundations; RMC elbows shall be installed at ground boxes and foundations. RMC elbows will not be eliminated.
13. All conduit support hardware including straps, nuts, bolts, screws, retaining anchors and washers shall be hot dipped galvanized or stainless steel. Strut type conduit straps shall be stainless steel or hot dipped galvanized. Strut type straps need not be made of malleable type material. Stamped-cadmium plated straps will not be allowed. Straps having only one mounting hole shall not be allowed for use on conduits 2 inches and larger with the exception of electrical service poles where stainless steel standoff straps will be allowed. Two piece conduit straps designed to be used with a mounting shoe shall be installed only with the correctly sized shoe.

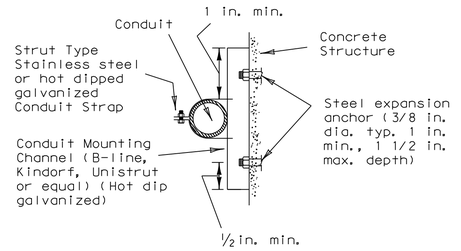
B. CONSTRUCTION METHODS

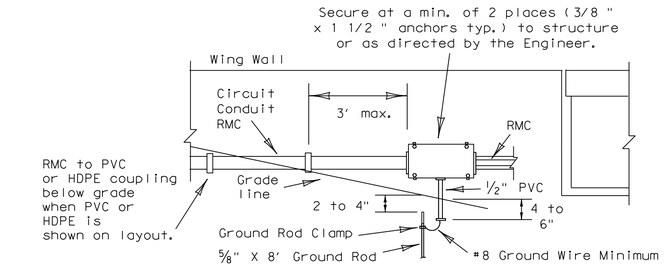
1. Conduit in structures shall have expansion fittings at structure expansion joints. All straight runs of RMC conduit exposed on structures such as bridges shall have expansion joints installed at maximum intervals of 150 feet. Expansion joints shall be installed so they allow for movement of the conduit. Installation of the joint in such a manner that will not allow for movement shall be repaired at no expense to the state. The method of determining the final setting length of the expansion joint shall be provided to the Engineer upon request.
2. Conduit supports shall be spaced at maximum intervals of 5 feet. Conduit spacers shall be used with metal conduit placed on surfaces of concrete structures (See conduit mounting options).
3. Conduit supports shall not be attached directly to prestressed concrete beams except as shown specifically in the plans and approved by the Engineer.
4. Unless otherwise shown on the plans, conduit placed beneath existing roadways, driveways, or sidewalks, or after the base or surfacing operation has begun, shall be accomplished by jacking or boring. The Contractor shall back fill and compact the bore pits to the bottom of the conduit prior to installing connecting conduit or duct cable to prevent bending of the connection.
5. Conduit trenched in the subgrade of new roadways shall be backfilled with excavated material, unless otherwise noted on the plans. Conduit trenched in the sub-base of new roadways shall be backfilled with cement-stabilized base.
6. Open ends of all conduit and raceways shall be fitted with temporary caps or plugs to prevent entry of dirt, debris and rodents during construction. The temporary cap may be constructed of duct tape, but in all cases shall be tightly fixed to the conduit and shall be durable. The contractor shall clean out the conduit and prove it clear in accordance with Standard Specifications Item 618.3 prior to installing any conductors.
7. Conduit entry into the top of enclosures such as safety switches, meter cans, service enclosures, auxiliary enclosures and junction boxes shall be made weatherproof using conduit sealing hubs, or threaded bosses.
8. A bonding jumper shall be installed from each grounding bushing to the nearest grounding rod, grounding lug, and/or equipment grounding conductor. All jumpers shall be the same size as equipment grounding conductor. Conduit used as casing under roadways for duct cable need not be grounded if duct extends full length through the casing. At electrical services, grounding electrode conductor shall be a solid Copper #6 AWG.
9. Metal junction boxes shall be bonded to the grounding conductor in accordance with the NEC.
10. Conduits entering ground boxes shall be placed so that the conduit ends shall be not less than 3 inches nor more than 6 inches from bottom of box (See ground box detail on sheet ED(3).
11. Conduit ends shall be sealed with heat shrink boots with waterproof sealant, urethane foam, or by other methods approved by the Engineer. Sealing shall be done after completion of any required pull tests. Duct tape shall not be used as a permanent conduit sealant. Silicone caulking shall not be used as a sealant.
12. All strut mounting material and hardware shall be hot-dip galvanized or shall be stainless steel. The cut ends of strut and non-galvanized rigid metal conduit threads shall be coated with a zinc rich paint (90% or more zinc content). Zinc rich paint may only be used to touch up galvanized material as allowed under item 445.6 galvanizing. The painting of non-galvanized material with a zinc rich paint shall not be considered as an approved alternative for galvanized materials.
13. All PVC conduit terminations shall be fitted with bushings or bell ends. All metal conduit terminations shall be fitted with a grounding type bushing.



CONDUIT MOUNTING OPTIONS

(Attachment to concrete surfaces)
(See para. II.B.2)

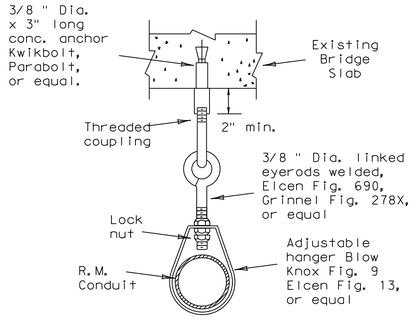




TYPICAL CONDUIT ENTRY TO BRIDGE STRUCTURE DETAIL

NOTES

1.) Ground rod clamp to be UL listed for direct burial.
2.) For conduit placed in structure, use flush-mounted box.
3.) Bond junction box and metal conduits to equipment grounding conductor and grounding electrode conductor using listed connector.
4.) Seal all conduits entering the junction box from underground.
5.) Install bell end or bushing on 1/2 " PVC conduit both ends.
6.) Ground rod to be driven within 8 inches of 1/2 inch PVC conduit end.



CONDUIT HANGER DETAIL

(Attachment to horizontal surfaces)
Hangers need not be UL listed for electrical use
ie: plumber pipe hangers are acceptable

5/03 Revision

1 Revised notes.

STANDARD PLANS
TEXAS DEPARTMENT OF TRANSPORTATION
Traffic Operations Division

ELECTRICAL DETAILS-CONDUIT

ED(1)-03

© TxDOT January 1992	DN-KB	CK-JW	DW-DN	CK-GC	NEG NO.
REVISIONS 4-98 12-00 3-03 5-03	STATE DISTRICT	FEDERAL REGION	FEDERAL AID PROJECT		SHEET C807
		6			
	COUNTY		CONTROL	SECTION	JOB / HIGHWAY

I. ELECTRICAL CONDUCTORS

A. MATERIALS

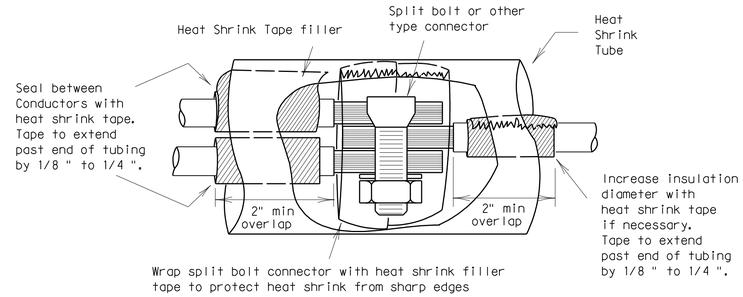
1. Insulated conductors shall be NEC Type XHHW. Insulated conductors shall be color coded in accordance with the NEC, articles 200, 250, and 310; i.e. insulation of grounded conductors (neutrals) shall be white. Grounding conductors (ground wires) shall be bare or insulation shall be green. Insulation of ungrounded conductors (hots) shall be any color except green, white, or gray. Identification of conductors #6 American Wire Guage (AWG) and smaller shall be by continuous jacket color. Color coding of electrical conductors #4 AWG and larger shall be either by continuous color jacket or by colored tape. Colored tape marker shall consist of a half-lap of tape covering a 6-inch length of conductor.
2. Where two or more circuits are present in one conduit or enclosure, the conductors of each circuit shall be identified by a permanent non-metallic tag at each accessible location. The tag shall be fastened to the conductors by two plastic straps. Each tag shall indicate circuit number, letter, or other identification shown in the plans.
3. Grounding electrode conductor #6 AWG for bonding to ground rod at electrical service, shall be solid. Connection of conductor to ground rod shall be made using UL Listed connectors designed for such purposes.
4. Heat Shrink Tape filler shall be used to seal the ends of heat shrink tubing around two or more conductors that are insulated with heat shrink tubing. Tape material shall have a minimum dielectric strength of 225 volts per mil and shall be cross-linked butyl rubber. Tape shall be supplied in rolls and shall have a backing (release paper) to prevent the tape from sticking to itself.
5. Heat shrink tubing shall be heavy wall, UL listed for 600 volts or greater and shall have factory applied internal sealant.
6. GelCaps shall be UL listed for 600-volt applications. GelCap shall have see-through elastomer molded cover. Cover shall be filled with high dielectric insulating gel silicone sealant to provide waterseal. Cover shall be held in place by snap-lock, molded clamp made of UV stable polypropylene.
7. Splicing materials, insulating materials, breakaway disconnects, GelCaps and fuse holders will not be paid for directly but shall be subsidiary to various bid items.

B. CONSTRUCTION METHODS

1. After conductors have been installed in conduit, a pull test shall be made on conductors. When any length of conductor cannot be freely pulled, the Contractor shall make any needed alterations or repairs at no expense to the State.
2. The Contractor shall perform insulation resistance tests in accordance with Item 620, "Electrical Conductors." The Contractor shall coordinate with the Engineer to witness the tests.
3. A sufficient length of conductor for making up connections shall be left in ground boxes (2 feet minimum, 3 feet maximum, to point of splice, 3 feet minimum, 4 feet maximum, when conductor is pulled through with no splice), enclosures, weatherheads and pole bases (1 foot minimum, 1.5 feet maximum).
4. Splices shall be made only in junction boxes, ground boxes, pole bases, or electrical enclosures and shall be made with listed compression or screw type pressure connectors, terminal blocks, bolted lugs, or split bolt connectors. Splices shall be insulated with heavy wall heat shrink tubing or GelCaps and shall be made so as to provide a watertight splice. Heat shrink sleeve shall overlap conductor insulation a minimum of 2 inches on both sides of the splice. Where heat shrink tubing may not shrink sufficiently to provide a watertight seal around the individual conductors, prior to heating the tubing, the Contractor shall increase the diameter of the conductors insulation using heat shrink filler tape to provide a watertight seal between the individual conductors and the heat shrink tubing. Tape shall be visible after completion of all splices. Where filler tape is used but not visible, the Engineer shall approve each individual splice by conducting a physical inspection of each splice. When it appears the tubing has been burned, or overheated the tubing shall be considered to be defective and shall be replaced.
5. GelCaps when used in place of heat shrink method of splicing, shall be sized and installed according to manufacturer's specifications. (Raychem GelCap and GelCap SL or equal.)
6. Wire nuts may be used for #8 AWG or smaller conductors in above-ground junction boxes, but not in pole bases or ground boxes. Wire nuts shall be positioned upright to prevent the accumulation of water. Wire nuts used at these locations shall have factory applied waterproof sealant.
7. Conductors in illumination poles shall be supported by a J-hook in the top of the pole.
8. All conductors bid under Item 620 "Electrical Conductors" shall have breakaway electrical disconnects installed anytime conductors pass through a break-away support device.
9. For terminating the conductors, insulation-jacketing material shall be removed in such a manner as to not nick any of the individual strands of the conductor. When individual conductor strands are removed, the conductor shall be considered to be damaged.
10. When a conductor or cable has been damaged, or fails to pass an insulation resistance test, the conductor shall be replaced.
11. Duct tape, black electrical tape, or wire nuts shall not be used in the repair of a damaged conductor.
12. For terminations, no more than one wire may be installed under a single pressure connector, unless the device is listed for more than one wire.
13. Conductors connected to break-away in line fuse holders must be installed in accordance with the specific manufacturer's installation instructions. Where threaded connections are made, they shall be properly torqued. Where crimp type connections are made, crimps shall be made using properly sized crimping pliers. Proper conductor terminations are critical to the safe operation of break-away devices.
14. Waterproofing boots shall be properly trimmed to fit snugly around the conductor so as to provide a water proof connection. No more than one wire may enter a single opening in any one boot. Water proofing boots must provide the correct number of openings. Where only one wire is to be connected to a boot, the boot may not be a two wire type.

SPLICE OPTION 3

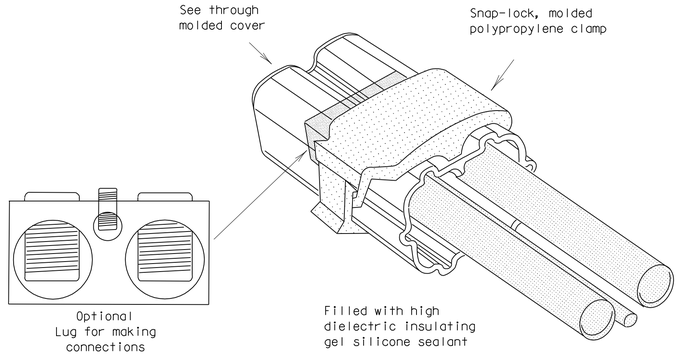
SPLIT BOLT



SPLICE OPTION 4

GELCAP

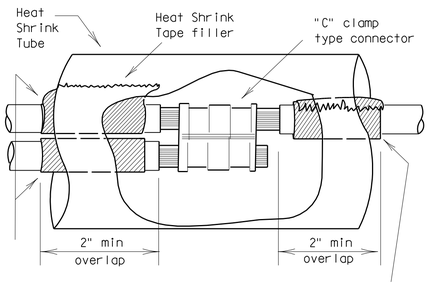
GelCap shall be sized and installed according to manufacturers specifications



15. All conduits that contain circuit wiring of 50 volts or more shall contain an equipment grounding conductor (EGC). Conduit for traffic signals shall have an EGC, with a minimum size of #8 AWG stranded. Unless otherwise shown on the plans, the EGC for all other conduits shall be the same AWG size as the largest current carrying conductor contained in that conduit. The EGC shall be paid for item 620-Electrical Conductors.

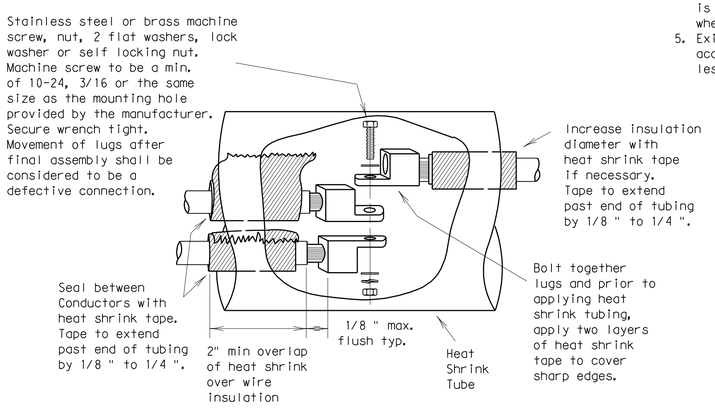
C. TEMPORARY WIRING

1. Temporary conductors and electrical equipment to provide power for utilization equipment, shall be installed in accordance with the NEC article 305. All temporary wiring materials and methods shall comply with the standard sheets. All power outlets for portable electrical equipment, power tools, ice machines, ice storage bins and refrigerators located outdoors at grade, supplied from a utility power source, shall be provided with a ground fault circuit interrupter.
2. Residual current protective devices (GFCI) may be any one of the following: molded cord and plug set, receptacle, or circuit breaker type.
3. Where wire nuts are approved for temporary wiring, they shall be of the self-sealing type.
4. All conductor splices must be contained within a listed enclosure, ground box or the splices will be more than ten feet above grade vertically and more than five feet horizontally from any metal structure. Where temporary conductors are installed in any area that is likely to be subjected to vehicle traffic, or mobile construction equipment, the vertical clearance to ground shall be at least 18 feet when measured at the lowest point. Where power conductors are to be supported by a span wire, the span wire shall be properly grounded.
5. Existing conduit containing service conductors uncovered during the construction process shall be repaired in a timely manner in accordance with the NEC. Existing non-metallic conduit exposed during construction shall not be left exposed above grade, or with less than eighteen inches of cover, without protective methods approved by the Engineer.



SPLICE OPTION 1

C-CLAMP



SPLICE OPTION 2

BOLTED WIRE LUGS

STANDARD PLANS
TEXAS DEPARTMENT OF TRANSPORTATION
Traffic Operations Division

ELECTRICAL DETAILS-CONDUCTORS

ED(2)-03

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DN - KB	CK - JW	DW - DN	CK - GC	NEG NO.

REVISIONS	STATE DISTRICT	FEDERAL REGION	FEDERAL AID PROJECT	SHEET
10-93		6		C808
4-98				
12-00	COUNTY	CONTROL	SECTION JOB	HIGHWAY
3-03				

II. GROUND RODS

A. MATERIALS

1. All ground rods installed at electrical services, including supplemental lightning protection ground rods specified by the plans in other locations such as pole bases, shall be copper clad and UL listed. Rods shall be a minimum diameter of 5/8 inch. The length shall be a minimum of 8 feet. Larger diameter or longer length rods may be called for in some specific locations, see the individual plans sheets.
2. Ground rod clamps shall be listed to be in direct contact with the soil. Where concrete encasement is required, the clamp shall be listed for concrete encasement.

B. CONSTRUCTION METHODS

1. Ground rods installed in locations such as pole bases, to provide supplemental lightning protection need not be totally in contact with the soil. Where called for in the plans, rods may be encased in soil or concrete or any combination of soil and concrete. When concrete encased, the connection of the conductor to the rod shall be readily accessible for inspection or repairs. When driven into the soil the upper end shall be between 2 to 4 inches below finished grade. Ground rods shall not be placed in the same drilled hole as a timber pole.
2. Ground rods shall be installed such that the end imprinted with the rod's part number is installed as being the upper end.
3. Non-conductive coatings such as concrete splatter shall be removed from the rod at the clamp location.
4. Routing of lightning protection ground rod wires shall be run as short and straight as possible. Where bends are required they shall have a minimum radius of four inches.
5. Unless specifically called for by the plans, conduits used for ground rod wires shall be non-metallic. Where metal conduits are specified, a grounding bushing and properly sized bonding jumper shall be provided and properly installed on each end.
6. Where rocky soil or a solid rock bottom is encountered when driving a ground rod and the horizontal trench placement method is the only viable solution, written authorization from the Engineer must be obtained.

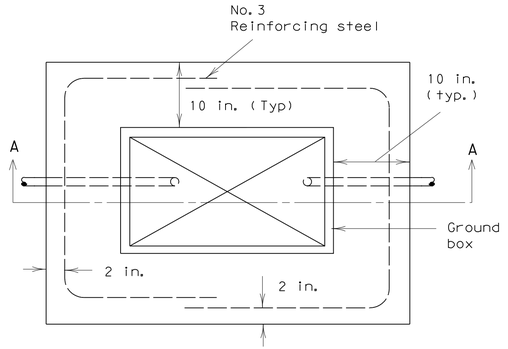
III. GROUND BOX

A. MATERIALS

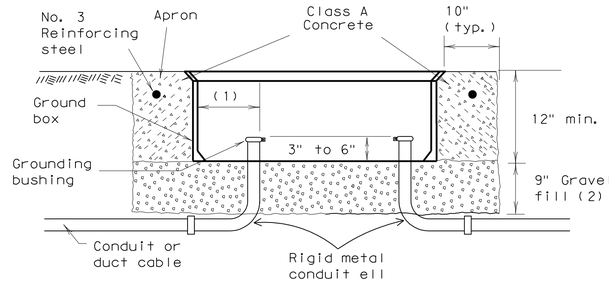
1. Ground boxes 16x30x24 inches (WxLxD) or smaller shall be polymer concrete of the type required by the descriptive code shown elsewhere. Larger ground boxes shall be as shown elsewhere in the plans.
2. All ground boxes and covers shall be permanently marked either by impress or by permanent ink, with manufacturer's model number and manufacturer's name or logo.
3. Covers shall be bolted down, and bolt holes in the box shall be arranged to drain dirt.
4. Ground box Types A, B, C, D & E shall meet the following requirements:
   a. Ground boxes and covers be manufactured from polymer concrete reinforced with continuous strands of woven or stitched borosilicate fiberglass cloth. The polymer concrete shall be made from catalyzed polyester resin, sand and aggregate, and shall have a minimum compressive strength of 11,000 psi. Polymer concrete containing chopped fiberglass or fiberglass reinforced plastic is not acceptable.
   b. Minimum inside dimensions shall be as follows (width x length x depth):
      Type A shall be 11.5 inches x 21 inches x 10 inches, (122311)
      Type B shall be 11.5 inches x 21 inches x 20 inches, (122322)
      Type C shall be 15.25 inches x 28.25 inches x 10 inches, (162911)
      Type D shall be 15.25 inches x 28.25 inches x 20 inches, (162922)
      Type E shall be 11.5 inches x 21 inches x 16 inches, (122317)
   c. Bottom edge of box or extension shall be footed with a minimum 1 1/4 inch flange.
   d. Ground boxes shall withstand 600 lbs. per sq. ft. applied over the entire sidewall with less than 1/4 inch deflection per foot length of box. Ground boxes and covers shall withstand a test loading of 20,000 lbs. over a 10 inch by 10 inch area centered on the cover with less than 1/2 inch deflection. Ground boxes and covers shall meet Western Underground Standards 3.6. Manufacturer shall supply certification by an independent laboratory or sealed by a Texas-Licensed Professional Engineer.
   e. Covers shall be 2 inch (nominal) thick polymer concrete. All hardware shall be stainless steel. Cover shall be secured with two 1/2 inch stainless steel bolts. Bolts shall be self-retaining and shall withstand a minimum of 70 ft-lbs. torque and shall have a minimum 750 lbs. straight pull out strength. Nuts shall be floating and shall provide a minimum of 1/2 inch movement from the center of the nut. Covers shall be skid resistant, minimum 0.5 coefficient of friction. Covers shall be interchangeable between manufacturers and shall conform to the dimensions shown herein. Unless otherwise approved by the Engineer, cover shall be legibly imprinted with the following words in minimum 1 inch letters:
      Ground Boxes containing wiring for traffic signals shall be labeled, Danger High Voltage Traffic Signal.
      Ground boxes containing wiring for illumination systems shall be labeled, Danger High Voltage Illumination.
      Ground boxes containing wiring for traffic management systems shall be labeled, Danger High Voltage Traffic Management.
      Ground boxes containing wiring for sign illumination systems shall be labeled, Danger High Voltage Sign Illumination.
      Ground boxes containing wiring for traffic signals that also contain illumination, powered by the signal electrical service, shall be labeled, Danger High Voltage Traffic Signal.

B. CONSTRUCTION METHODS

1. Ground boxes shall be set on a 9 inch (minimum) bed of aggregate from 3/4 " up to 2" in size. Aggregate shall be in place prior to setting box and conduits shall be capped. Any gravel or dirt in conduit shall be removed.
2. When required by item descriptive code, construction of an apron encasing a ground box including concrete and reinforcing steel shall not be paid for directly but shall be subsidiary to the ground box. Reinforcing steel may be field bent. Concrete for aprons shall be considered miscellaneous concrete for testing purposes. Aprons shall be cast in place.
3. Conduit holes may be cut in the walls of type B & D boxes at least 18 inches beneath the cover.
4. If, within the limits of this project, the Contractor must utilize an existing ground box equipped with a metal cover, the Contractor shall bond the cover to the grounding conductor with a 3 foot long flexible stranded jumper the same size as the grounding conductor. Connection of bonding jumper to metal ground cover shall not be paid for directly but shall be subsidiary to various bid items. The box(es) must be clearly shown on the plans with plan notes fully describing the work required.
5. If there are other ground boxes with metal Covers within the project limits but not involved in the contract, the Engineer may direct the Contractor to ground the covers, designating and identifying the specific boxes in writing. This work will be paid for separately.
6. Termination to metal ground box covers shall be made using a tank ground type lug.



PLAN VIEW

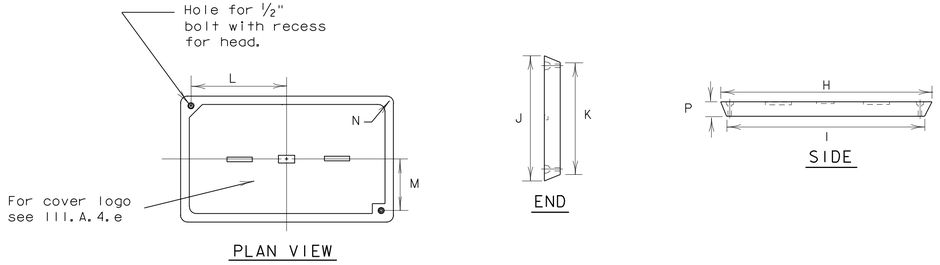


SECTION A - A

APRON FOR GROUND BOXES

(Where required)

(1) Final position of end of conduit shall not exceed one-half the distance to the side of box opposite the conduit entry.
(2) Place gravel "under" the box. not "in" the box. Gravel should not encroach on the interior volume of the box.
(3) Install bushing on the upper end of all ells.
(4) Where a ground rod is present in the ground box, connect it to any and all equipment grounding conductors using a listed connector.
(5) Maintain sufficient space between all conduits so as to allow for proper installation of bushings.
(6) All conduits shall be installed in a neat and workmanlike manner.
(7) All conduits installed in the ground box shall be sealed after completion of conductor installation and any required pull tests. Silicone shall not be used as sealant.



PLAN VIEW

END

GROUND BOX COVER

GROUND BOX COVER DIMENSIONS								
BOX	DIMENSIONS (INCHES)							
SIZE	H	I	J	K	L	M	N	P
A, B & E	23 1/4	23	13 3/4	13 1/2	9 7/8	5 1/8	1 3/8	2
C & D	30 1/2	30 1/4	17 1/2	17 1/4	13 1/4	6 3/4	1 3/8	2

5/03 Revision

1 Revised notes.

STANDARD PLANS
TEXAS DEPARTMENT OF TRANSPORTATION
Traffic Operations Division

ELECTRICAL DETAILS- GROUND BOXES

ED(3)-03

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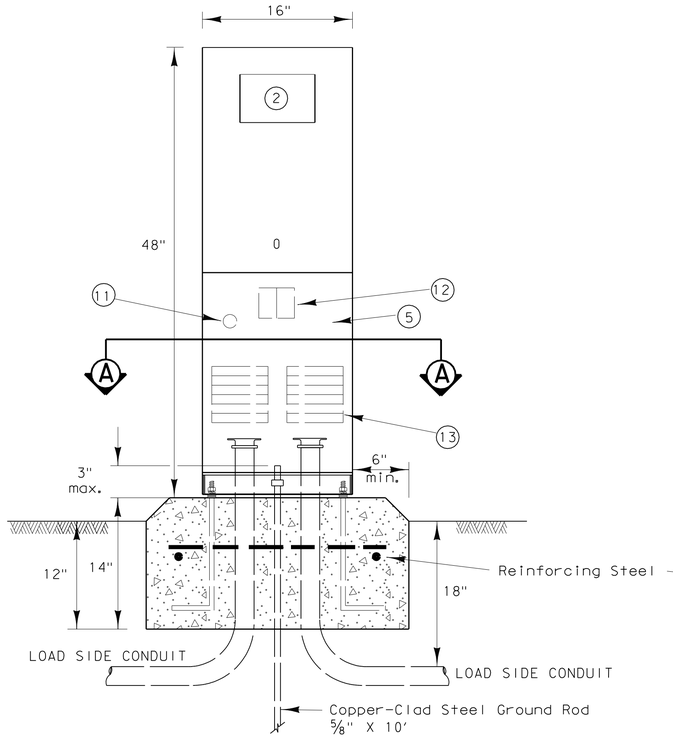
DN: KB	CK: JW	DW: DN	CK: GC	MEG NO.:

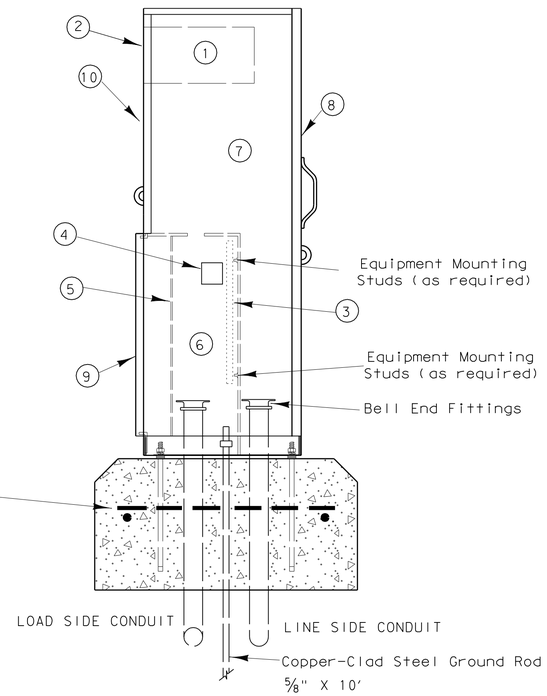
REVISIONS	STATE DISTRICT	FEDERAL REGION	FEDERAL AID PROJECT	SHEET
4-98				
12-00		6		C809
3-03	COUNTY	CONTROL	SECTION	JOB / HIGHWAY
5-03				



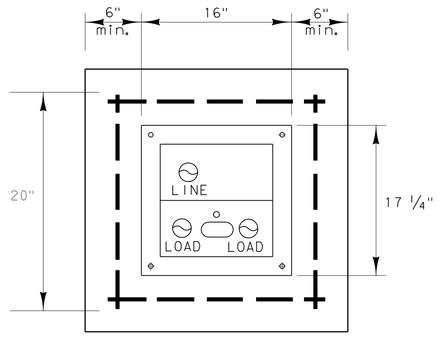
Note: Ells in foundation are rigid metal, size called for on the plans. Extension conduits from these ells may be PVC, provided ends of rigid metal conduits are more than 2 in. below top of concrete foundation. Where extension conduits are metal, grounding bushing must be installed and a bonding jumper properly terminated.

FRONT VIEW

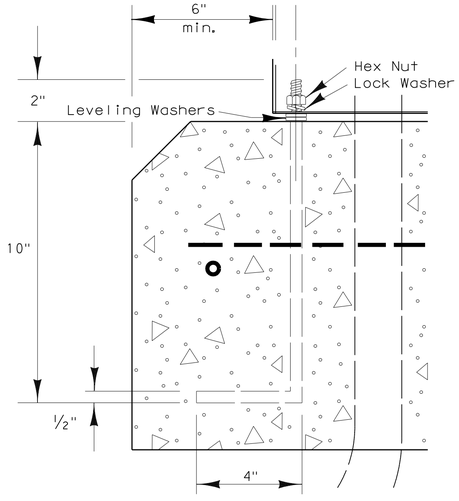
Ty C shown, Ty A similar except that Ty A shall have individual circuit breakers mounted on a equipment mounting panel. CB Handles shall protrude through hinged deadfront trim.



SIDE VIEW



SECTION A-A



ANCHOR BOLT DETAIL

GENERAL NOTES

1. The pedestal service shall be UL type 3R, and shall be constructed of a minimum of 12 guage stainless steel or aluminum as required by descriptive code. Stainless steel shall not be painted. For aluminum, the finish shall be an electrostatic applied poly-urethane baked on powder, light green in color, or color as shown elsewhere and as approved by the Engineer. The front of the interior dead front trim shall be permanently labeled, "Danger High Voltage" with OSHA style label. The exterior of the pedestal service door shall be permanently labeled with a placard as to its use (i.e. Roadway Lighting, Traffic Signals, etc.). Placard shall be neat and professional in appearance. Lettering shall be 1" minimum height.
2. Utility Access Door shall have stainless steel piano hinge and provisions for padlocking.
3. Pedestal door shall have stainless steel piano hinge and stainless steel latch with provisions for padlocking.
4. Meter Access shall be hinged and capable of padlocking.
5. All mounting hardware and installation details of services shall be in accordance with utility company specifications. The Contractor is responsible for contacting the local utility company and obtaining their approval of pedestal details prior to making submittal to the Department and prior to constructing the electrical pedestal service. Any changes required by the utility company shall be noted on the submittals.
6. Meter Socket shall be a minimum of 100 amp rating and shall comply with the local utility requirements.
7. Photoelectric Control shall meet the requirements as shown on ED(5). Shield to control stray light is allowable. The Contractor shall be responsible for proper operation of the photo-electric control. The Contractor shall move and/or adjust or shield the photocell from stray or ambient nighttime light or shall make any other adjustments required for proper operation. The photocell shall face North when practicable. Unless otherwise shown on the plans, the photocell shall turn on the illumination system at 1.0 +(-) 0.5 foot-candle and turn off the illumination system at two footcandles higher than turn on.
8. The Control Station (H-O-A Switch) shall be as shown on ED(5) except that H-O-A Switch operating handle shall protrude through hinged deadfront trim and NEMA 1 enclosure will not be required.
9. Concrete for pedestal service foundation shall be class A or C and shall be in accordance with Item 420, "CONCRETE STRUCTURES", except that concrete will not be paid for directly but shall be considered subsidiary to Item 628, "ELECTRICAL SERVICES".
10. Reinforcing steel shall be #4 rebar in accordance with Item 440, "REINFORCING STEEL".
11. Anchor bolts shall be A36M55 in accordance with Item 449, "ANCHOR BOLTS". Anchor bolts shall be 1/2 inch x 12 inches x 4 inches (dia. x length x hook length).
12. All conduit and conductors attached to the pedestal service and within 12 inches of the pedestal service will not be paid for directly, but shall be subsidiary to the pedestal service. All service conduit and conductors from the utility company transformer to a point 12 inches from the pedestal service shall be paid for separately. Service conduit shall be the size and type as shown in the Electrical Service Data.
13. Dimensions may vary to accomodate required equipment, utility company requirements, or manufacturer's standard equipment dimensions. The Contractor shall submit to the Engineer for approval, six (6) copies of brochures and/or drawings of the pedestal service to be supplied, including actual dimensions, and a paint color sample.
14. A separate enclosure as shown on ED(4) or ED(5) for photocell shall not be used for pedestal services. Photocell shall be installed as shown here.
15. The pedestal door shall have a mechanically attached data pocket on the inside. Pocket shall be either metal or thermoplastic and shall measure at least 12 inches by 12 inches. The Contractor shall prepare and submit a schematic drawing unique to an individual service. The approved drawing shall be laminated and placed in the document pocket of the service at the time of shipment to the job site. All applicable wiring diagrams and plan sheet layouts for all equipment and branch breaker circuits supplied by that service shall also be laminated and placed in the document pocket prior to shipping.
16. ⚠1 Ground rod clamp to be UL listed for direct burial. All non-conductive coating to be removed from ground rod at clamp location. Ground rod wire to be #6 AWG solid copper. Metal conduit ells to have grounding bushing and bonding jumpers correctly installed.
17. All conduits entering enclosures from underground must be sealed. Silicone shall not be allowed.
18. All conductors shall be megged and pull tested. Traffic signal cable not to be megged after connection, as electronics will be damaged.
19. Top of concrete foundation to be finished in a neat and workman like manner. If leveling washers are used, no more than 1/8 in. height shall be used at any one corner. Maximum dip or rise in foundation is not to exceed 1/8 in per foot. When properly installed, top of service enclosure shall read level front to back and side to side within 1/4 in. Rocking or movement of the service enclosure shall be repaired by the contractor at no cost to the state.
20. Liquidtight flexible metal conduit shall not be allowed on PS type services.

LEGEND

1. METER SOCKET, (when required)
2. METER SOCKET WINDOW, (when required)
3. EQUIPMENT MOUNTING PANEL
4. PHOTO ELECTRIC CONTROL WINDOW, (when required)
5. HINGED DEADFRONT TRIM
6. LOAD SIDE CONDUIT AREA
7. LINE SIDE CONDUIT AREA
8. UTILITY ACCESS DOOR, with handle
9. PEDESTAL DOOR
10. HINGED METER ACCESS
11. CONTROL STATION (H-O-A Switch)
12. MAIN DISCONNECT
13. BRANCH CIRCUIT BREAKERS

5/03 Revision

⚠1 Revised notes.

STANDARD PLANS
TEXAS DEPARTMENT OF TRANSPORTATION
Traffic Operations Division

ELECTRICAL DETAILS
ELECTRICAL SERVICE SUPPORT
PEDESTAL SERVICE TYPE PS

ED(8)-03

© TxDOT April 1998

DN - KB	CK - JW	DW - DN	CK - GC	NEG NO.

REVISIONS	STATE DISTRICT	FEDERAL REGION	FEDERAL AID PROJECT	SHEET
12-00		6		C810
3-03				
5-03	COUNTY	CONTROL	SECTION	JOB / HIGHWAY

VITRUVIAN WAY

PONTE AVENUE

℄ PROPOSED STREET FOUNTAIN

32'

9' BOC REF

15'

PROPOSED STREET FOUNTAIN

ANEMOMETER CONDUIT

3-#4, 1-#8 IN EXIST 2" CONDUIT FROM EXIST PAP-11, 13

PROPOSED BACKFLOW DEVICE & ENCLOSURE

PROPOSED FOUNTAIN CONTROL VAULT

32' REF

12'-6" REF

6'

13'-6"

EQ EQ

3"SS

1"W

1 1/2"W

VP101

VP102
(UNDER CONSTRUCTION)

EXIST PAP ELECTRICAL PEDESTAL

UGT UGE SL GAS SIG 12"W 10"W 8"W 6"W 4"SS SD FW DW

WARNING

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BM #1 REF. ELEVATION = 559.47
SQUARE CUT IN TOP OF CURB, SOUTH MEDIAN END NOSE, MARSH LANE 1127' NORTH OF VITRUVIAN WAY.

BM #2 REF. ELEVATION = 547.84
SQUARE CUT IN TOP OF CURB, NORTH MEDIAN END NOSE, AT INTERSECTION OF VITRUVIAN WAY AND MARSH LANE.

NORTH

0 5 10 15 20
GRAPHIC SCALE IN FEET
SCALE: 1"=10'

STATE OF TEXAS
BRUCE F. DUNNE
62654
LICENSED PROFESSIONAL ENGINEER

NO.	REVISION	BY	DATE

TOWN OF ADDISON
DALLAS COUNTY, TEXAS

PARK AND STREETSCAPE IMPROVEMENTS
VITRUVIAN PARK

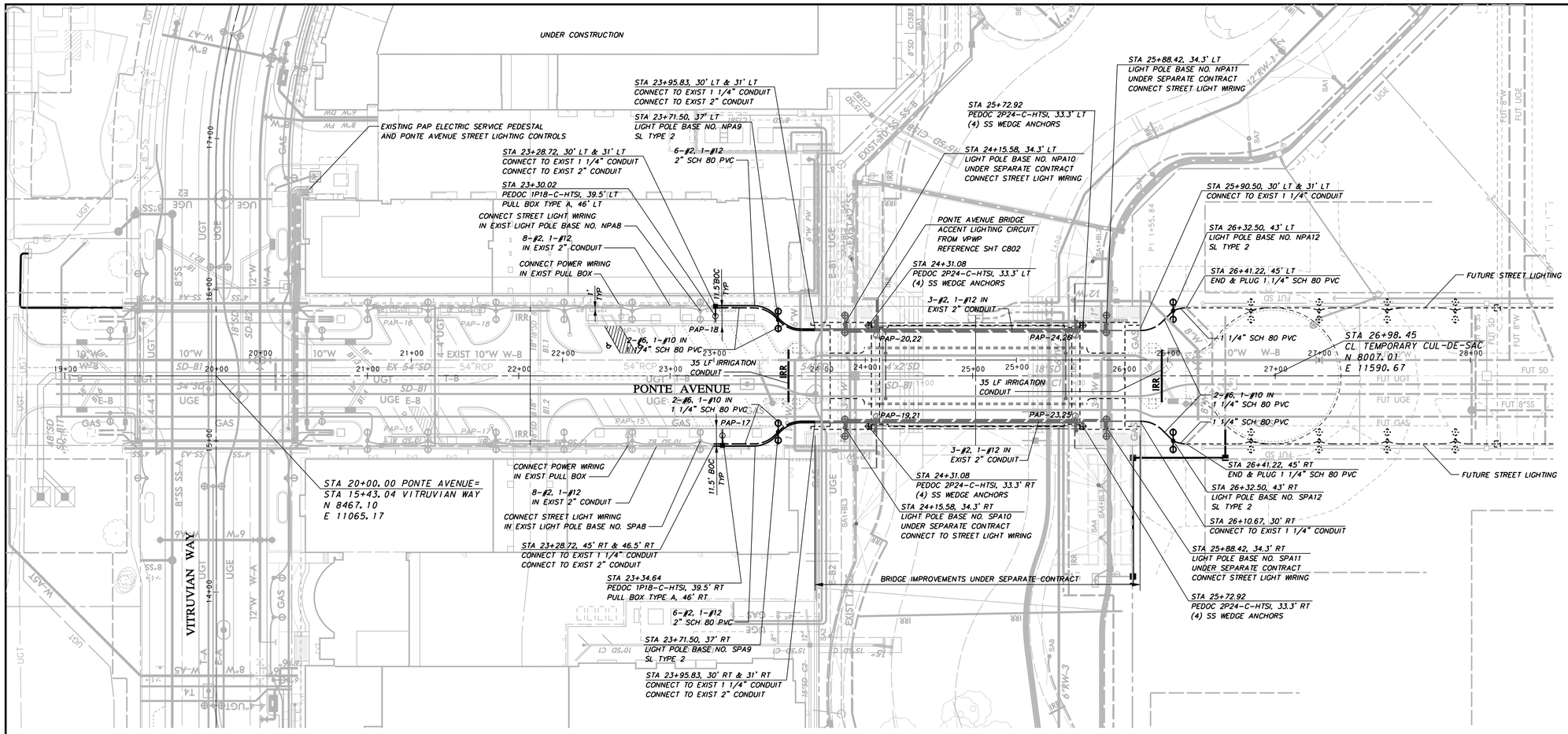
LAYOUT & ELECTRICAL PLAN
STREET FOUNTAIN

icon Consulting Engineers, Inc.
Civil Engineers - Designers - Planners
250 W. Southlake Blvd., Suite 117
Southlake, Tx 76092 (817) 552-6210

PROJECT	DESIGN	DRAWN	DATE	FILE	SHEET
5029-01	ICE	ICE	APR 26, 2010	PW# 2009-04	C811

RECORD DRAWINGS 06/18/12

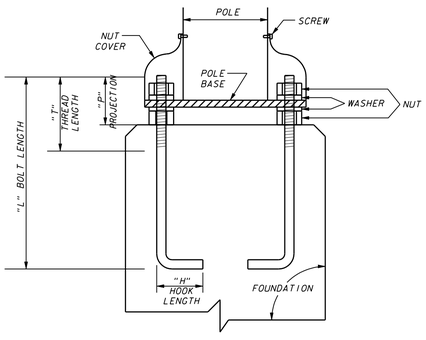
PARK AND STREETSCAPE IMPROVEMENTS - VITRUVIAN PARK



LEGEND

- PULL BOX (GROUND BOX)
- PVC CONDUIT (LIGHTING)
- PVC CONDUIT (POWER)
- TRANSFORMER ON PAD *
- STREET LIGHT – 250W
- STREET LIGHT – FUTURE 250W
- STREET LIGHT – 100W
- STREET LIGHT – FUTURE 100W
- DUPLEX 20A GFCI RECEPTACLE HUBBELL GFR5362SGW OR EQ
- QUAD (2) CIRCUIT 20A GFCI RECEPTACLE, (2) HUBBLE GFR5362SGW OR EQ

* PROVIDED BY POWER COMPANY

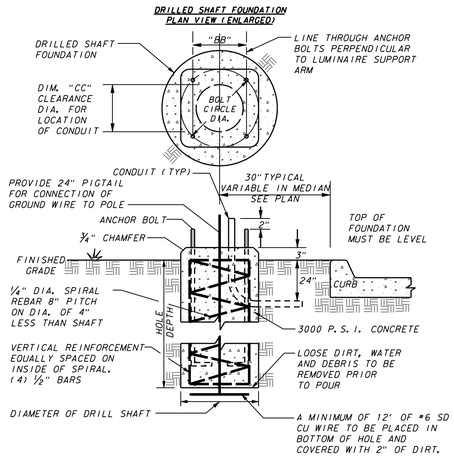


NOTES:
1. USE ANCHOR BOLT TEMPLATE FURNISHED BY POLE MANUFACTURER FOR ANCHOR BOLT ALIGNMENT.
2. ALL EXPOSED HARDWARE TO BE STAINLESS STEEL.

TYPE NO.	BOLT DIA. (IN.)	LENGTH "L" (IN.)	HOOK "H" (IN.)	THREAD "T" (IN.)	PROJECTION "P" (IN.)
45	¾	17	3 ½	5 ½	3 ½
47	1	36	4	6	4

SUPPLY 2 NUTS & 2 WASHERS WITH EACH BOLT

ANCHOR BOLT DETAIL



TYPE NO.	SHAFT DEPTH	SHAFT DIA.	BOLT CIRCLE DIA.	ANCHOR TYPE NO.	CONDUIT CLEARANCE DIM. "CC"	DISTANCE ACROSS BOLTS DIM "BB"
1	60"	18"	9 ½"	45	4 ½"	6 ¾"
2	60"	18"	9 ½"	45	4 ½"	6 ¾"
3	72"	24"	11 ½"	47	7 ½	8 ⅞"
4	72"	24"	11 ½"	47	7 ½	8 ⅞"

DRILLED SHAFT FOUNDATION

STREET LIGHTING & CONDUIT NOTES

1. REFER TO SHEET C100 "GENERAL CONSTRUCTION NOTES, LEGEND AND ABBREVIATIONS" FOR THE GENERAL CONSTRUCTION NOTES FOR THE PROJECT.
2. REFER TO SHEET ED(1)-03 FOR ELECTRIC DETAILS – CONDUIT. RIGID METAL CONDUIT ELBOWS ARE NOT REQUIRED.
3. REFER TO SHEET ED(2)-03 FOR ELECTRIC DETAILS – CONDUCTORS.
4. REFER TO SHEET ED(3)-03 FOR ELECTRIC DETAILS – GROUND BOXES. RIGID METAL CONDUIT ELBOWS ARE NOT REQUIRED. CONCRETE APRON IS NOT REQUIRED.
5. WATER, SANITARY SEWER, AND STORM DRAIN LINES ARE SHOWN FOR REFERENCE ONLY. CONTRACTOR SHALL LOCATE ALL UTILITY LINES IN THE AREA PRIOR TO DIGGING.
6. INSTALL SCHEDULE 40 PVC UNDERGROUND (24" MIN COVER) . ALL STREET AND DRIVEWAY CROSSINGS (30" MIN COVER). ALL BENDS TO LONG RADIUS.
7. ALL CONDUIT AT POLE BASES TO BE WITHIN THE DRILLED SHAFT FOUNDATION. NO EXPOSED CONDUIT AT POLE BASES WILL BE ALLOWED
8. SL TYPE 2 – TWIN 100W 240V MH LUMINARE ON 11'-8" POLE, COLOR SILVER– REFERENCE SPECIAL PROVISIONS
9. CONNECTION TO POWER COMPANY CIRCUITS TO BE MADE ONLY BY POWER COMPANY.
10. UNLESS OTHERWISE INDICATED ALL WORK SHALL CONFORM TO THE 2008 NATIONAL ELECTRICAL CODE (NFPA 70) AND THE 2007 NATIONAL ELECTRICAL SAFETY CODE (ANSI C2).
11. ALL EMPTY CONDUIT INSTALLED FOR FUTURE EXTENSION SHALL BE TURNED UP AND EXTENDED UP TO FINISHED GRADE. CAP ENDS OF ALL CONDUITS.
12. REFER TO REFERENCED SHEETS FOR STREET LIGHTING DETAILS.
13. IRRIGATION SLEEVES "IRR" SHALL CONSIST OF 1–6" SCH 40 PVC AND 1–2" SCH 40 PVC INSTALLED WITH MINIMUM 24" COVER AND EXTENDING 2' BEYOND THE BACKS OF CURB OR EDGE OF PAVEMENT AND UP TO FINISHED GRADE. CAP ENDS OF ALL CONDUITS.

WARNING

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STATE OF TEXAS
BRUCE F. DUNNE
62654
LICENSED PROFESSIONAL ENGINEER

NO.	REVISION	BY	DATE

Addison

TOWN OF ADDISON
DALLAS COUNTY, TEXAS

PARK AND STREETSCAPE IMPROVEMENTS
VITRUVIAN PARK

STREET LIGHT & CONDUIT PLAN PA

icon Consulting Engineers, Inc.
Civil Engineers - Designers - Planners
250 W. Southlake Blvd., Suite 117
Southlake, Tx 76092 (817) 552-6210

PROJECT	DESIGN	DRAWN	DATE	FILE	SHEET
5029-01	ICE	ICE	APR 26, 2010	PW# 2009-04	C812

PARK AND STREETSCAPE IMPROVEMENTS – VITRUVIAN PARK

RECORD DRAWINGS 06/18/12

GENERAL NOTE

Site, Landscape and Irrigation Construction shall comply with the General Conditions of Paving, Drainage and Utility Improvements Package specifically as they pertain to site access, environmental protection, materials staging and the understanding between this contract and the Town of Addison regarding access through and/or occupancy of the adjacent park land and creek.

GENERAL LANDSCAPE NOTES

1. For all relevant utilities refer to Civil Engineering documents for scope and location.
2. Plant material shall be measured and sized according to the latest edition of the Texas Nursery and Landscape Association (TNLA) Specifications, Grades, and Standards.
3. Plant material shall be selected only with Landscape Architect's approval.
4. All plant substitutions are subject to approval by Landscape Architect and must be approved in advance of selection.
5. Trees shall not be planted deeper than the base of the "trunk flare".
6. Trees must be planted three feet (3 ') from back of curbs, sidewalks, utility lines, screening walls, and/or other structures.
7. Trees shall not be watered to excess that results in soil saturation. If soil becomes saturated, the water schedule shall be adjusted to allow for drainage and absorption of the excess water.
8. A 3" to 4" layer of mulch, shall be provided around the base of the planted trees. The mulch shall be pulled back 3" to 6" from the root flare of the tree.
9. No person(s) or entity may use improper or malicious maintenance or pruning techniques which would likely lead to death of the tree.
10. The contractor shall be responsible for the maintenance, establishment, and permanence of plant material. All landscaping shall be maintained in a neat and orderly manner. This shall include, but not limited to, pruning, fertilizing, watering, and other activities for the maintenance of landscape areas.
11. All plant material shall be maintained in a healthy and growing condition as is appropriate for the season of the year. Plant material that is damaged, destroyed, or removed, shall be replaced with plant material of similar size and variety with in 30 days unless otherwise approved in writing by the Landscape Architect. Replacement plant material shall be observed by the Owner's Appointed Representative at time of replacement.
12. Landscape and open area shall be kept free of trash, litter and weeds.
13. An automatic irrigation system shall be provided to irrigate all landscape areas. Over spray on streets and walks is prohibited.
14. All walkways shall meet ADA requirements.
15. If information in the "General Landscape Notes" conflicts with the specifications, the specifications will prevail.
16. Screening for solid wate collection and loading areas shall be the same as, or of equal quality to, principal building materials.
17. Landscape Architect shall review all shop drawings requested in drawings.
18. The Landscape Contractor's scope of work to begin at finish grade less 4" where top soil is required as indicated on sheets L11-27 & L11-28.

IRRIGATION NOTES

The entire property shall be irrigated. Automatic irrigation systems shall comply with the following guidelines.

1. All plant material (including street trees and planting within the public right-of-way) shall be watered with an automatic irrigation system including an ET based controller.
2. Irrigation sprinkler layouts shall be designed to minimize the amount of spray that will fall on sidewalks, neighboring properties, and adjacent buildings. Backflow prevention devices shall be placed per the Town of Addison Public Works Department's standards
3. Valve and circuits shall be separated based on water use, so that turf areas are watered separately from shrub and ground cover areas. Irrigation heads in the turf areas will be valued separately from shrub and/or ground cover areas. It is recommended that seasonal color areas be watered separately from turf areas.
4. Adjustable flow controls shall be required on circuit remote control valves and pressure regulation component(s) shall be required where static pressure exceeds manufacturer's recommended operating range.
5. Sprinkler heads shall have matched precipitation rates within each control valve circuit.
6. Serviceable check valves shall be required adjacent to paved areas where elevation differences may cause low head drainage.
7. Sprinkler head spacing shall be designed for head-to-head coverage or heads shall be spaced as per manufacturer's recommendations and adjusted for prevailing winds. The system shall be designed so that irrigation is not applied to vehicular traffic lanes, other pavement or structures.
8. All automatic irrigation systems shall be equipped with a controller capable of dual or multiple programming. Controllers shall have multiple cycle start capacity and a flexible calendar program, including the capability of being set to water every five days. All automatic irrigation systems shall be equipped with a rain sensor shut-off device.
9. Irrigation construction plans shall include a water budget. A laminated copy of the water budget shall be permanently installed inside the irrigation controller door. Water budget shall include:
   A. Chart containing zone number, precipitation rate and gpm.
   B. Location of emergency irrigation system shut-off valve.

SITE GRADING NOTES

1. No walk or ramp cross slopes shall exceed 2.0%.
2. No walk longitudinal slope shall exceed 5.0%.
3. No ramp longitudinal slope shall exceed 8.33%.
4. Curb ramps shall be constructed at a maximum longitudinal slope of 8.33% and a maximum cross slopes of 2.0%. Length to be determined in field.
5. Refer to Civil Engineer drawings for grading.
6. The hardscape design assumes that the owner shall constantly maintain all material transition joints.
7. The owner has a continued obligation to bring any non-compliant accessibility issues into full compliance.
8. Joints between materials shall not exceed ¼" level change. A maximum of ½" level change acceptable only if bevelled up to a maximum of 1:2 slope.

TREE AND NATURAL AREA PROTECTION NOTES

1. All trees and natural areas shown on plan to be preserved shall be protected during construction with temporary chain link fencing.
2. Protective fences shall be erected according to City of Addison Standards for Tree Protection.
3. Protective fences shall be installed prior to the start of any site preparation work (clearing, grubbing or grading), and shall be maintained throughout all phases of the construction project.
4. Erosion and sedimentation control barriers shall be installed or maintained in a manner which does not result in soil build-up within tree drip lines.
5. Protective fences shall surround the trees or group of trees, and will be located at the outermost limit of branches (drip line) , for natural areas, protective fences shall follow the Limit of Construction line, in order to prevent the following:
   A. Soil compaction in the root zone area resulting from vehicular traffic or storage of equipment or materials;
   B. Root zone disturbances due to grade changes (greater than 6 inches cut or fill), or trenching not reviewed and authorized by the City Aborist;
   C. Wounds to exposed roots, trunk or limbs by mechanical equipment;
   D. Other activities detrimental to trees such as chemical storage, cement truck cleaning, and fires.
6. Exceptions to installing fences at tree drip lines may be permitted in the following cases:
   A. Where there is to be an approved grade change, impermeable paving surface, tree well, or other such site development, erect the fence approximately 2 to 4 feet beyond the area disturbed;
   B. Where permeable paving is to be installed within a tree's drip line, erect the fence at the outer limits of the permeable paving area (prior to site grading so that this area is graded separately prior to paving installation to minimized root damage);
   C. Where trees are close to proposed buildings, erect the fence to allow 6 to 10 feet of work space between the fence and the building;
   D. Where there are severe space constraints due to tract size, or other special requirements, contact the City Arborist to discuss alternatives.
7. Where any of the above exceptions result in a fence being closer than 4 feet to a tree trunk, protect the trunk with strapped-on planking to a height of 8 ft (or to the limits of lower branching) in addition to the reduced fencing provided.
8. Trees approved for removal shall be removed in a manner which does not impact trees to be preserved.
9. Any roots exposed by construction activity shall be pruned flush with the soil. Backfill root areas with good quality top soil as soon as possible. If exposed root areas are not backfilled within 2 days, cover them with organic material in a manner which reduces soil temperature and minimizes water loss due to evaporation.
10. Any trenching required for the installation of landscape irrigation shall be placed as far from existing tree trunks as possible.
11. No landscape topsoil dressing greater than 4 inches shall be permitted within the drip line of trees. No soil is permitted on the root flare of any tree.
12. Pruning to provide clearance for structures, vehicular traffic and equipment shall take place before damage occurs (ripping of branches, etc.).
13. All finished pruning shall be done according to recognized, approved standards of the industry (Reference the National Arborist Association Pruning Standards for Shade Trees).
14. Deviations from the above notes may be considered ordinance violations if there is substantial non-compliance or if a tree sustains damage as a result.
15. Special Note: For the protection of natural areas, no exceptions to installing fences at the Limit of Construction line will be permitted.

PLANTING NOTES

1. All tree locations that are shown without any layout or dimensions on the planting plans, shall be staked by the Landscape Contractor and the locations of the stakes approved in writing by the town of Addison and Landscape Architect, prior to any tree planting.
2. Any and all tree plantings shall not be planted less than five feet (clear) to the back of the pond edge walls.
3. See planting detail (L/1-22) for special staking detail for tree plantings located on the islands.
4. Civil information for reference only. Verify actual location of utilities with civil drawings.
5. All undimensioned trees for contractor to stake.
6. Contractor to provide aeration, pruning, and fertilization of preserved live oaks by an ISA certified arborist prior to construction around the trees.

DESIGN SELECTION SUMMARY

CONCRETE PAVING A:
Finish - Medium Float
Color - Elephant Gray

CONCRETE PAVING B:
Finish- Broom
Color - Elephant Gray

CONCRETE PAVING C:
Saw-cut Patterned
Finish - Medium Float
Color - Elephant Gray

CONCRETE PAVING D:
Finish- Rock Salt
Color - Elephant Gray

CONCRETE WALL
Finish - Medium Sandblast
(no exposed aggregate)
Color - Elephant Gray

PAVESTONE CONCRETE PAVER A:
City Stone I
Size - 11-¾ " L x 5-13/16 " W x 2-⅜"H
Color - Travertine Blend

PAVESTONE CONCRETE PAVER B:
City Stone I
Size - 11-¾ " L x 5-13/16 " W x 2-⅜"H
Color - Bellows Brown

PAVESTONE CONCRETE PAVER C:
Holland Stone
Size - 7-13/16"L x 3-⅞"W x 2-⅜"H
Color - Bellows Brown

PAVESTONE CONCRETE PAVER D:
ADA Paver
Size - 7-13/16"L x 3-⅞"W x 2-⅜"H
Color - Antique Pewter

PAVESTONE CONCRETE PAVER E:
Holland Stone
Size - 7-13/16"L x 3-⅞"W x 2-⅜"H
Color - Antique Pewter

STRUCTURAL CONCRETE
MASONRY UNIT WALL:
Burnished Block to match
adjacent building
Size - 8x16 w/4" matching cap
Color - to match adjacent building

DRAIN GRATE
6" Round
Model - NDS Part No. 918B
Color - Brass

ATRIUM GRATE
6" Round Brass
Model - NDS Part No. 90B
Color - Brass

PAVER GRATE
72" Square
Model - Ironsmith 6224

METAL PERGOLA
Finish - Powder Coated
Color - White

METAL TRELLIS
Finish - Powder Coated
Color - White

METAL GUARD RAIL
Finish/Color - Hot dipped Galvanized

METAL HANDRAIL
Finish/Color - Hot dipped Galvanized

GRANITE BOLLARD w/
STAINLESS STEEL CAP
Finish - Flamed and Polished
Color - Dakota Mahogany

CONCRETE BENCH
Finish - Medium Sandblast
(no exposed aggregate)
Color - Elephant Gray

LAKE EDGE WALL
Finish - Medium Sandblast
(no exposed aggregate)
Color - Elephant Gray

CONCRETE WEIR
Finish - Medium Sandblast
(no exposed aggregate)
Color - Elephant Gray

HOLLOW METAL DOOR AND FRAME
Size - 30" x 80", 45 min. rating
Color - Galvanized (Gray)

METAL GATE
Finish/Color - Hot-dip Galvanized

LIMESTONE BOULDER

Reference plan for graphic
representation of approximate sizes:
Small - 2'-6" x 2'-6"
Medium - 2'-6" x 4'-0"
Large - 2'-6" x 6'-0"
Finish - Top surface cut flat
elevation of top surface
18"-22"above finished grade
Color - Buff

STONE VENEER

Blue/Green Chinese Stone
Thickness = 3 cm
Finish = Thermal
Edges = all 4 sides to be sawcut
Height = all stones to be 4"
Length = Varies See Below
Radius surface = 6", 8½", & 12"
Flat Surface = 8", 13", & 21"
Mortar: Dark Gray
Coursing pattern to match the approved
on-site mock-up design standard.

FULLY GROUTED BEACH PEBBLES
Size - 2" to 1½" Round
Color - Gray

PEDESTAL DRINKING FOUNTAIN
Haws Corporation - Model 3500D
Color - Silver - anchored to concrete
with anchor bolts.
ref. L1-13 for details

LITTER RECEPTACLE
Hess - Punto -
11.8 gal. - Standard finish - Embedded
ref. L1-13 for details

BENCH
Landscape Forms - Stay Bench
Embedded - Powder-coat finish

PET WASTE DISPOSAL SYSTEM
Mutt Mitt Kit - Dispenser - Green with
Single Ply Mitts - Custom Signage
22 Gallon Waste Receptacle - Black

BIKE RACK
Landscape Forms - Ring Bike Rack
Color/Finish - Stainless Steel

GRAVEL
Washed Native Gravel
Size - 1/2" to 1"

LIMESTONE SLAB
Finish - Fractured face
Color - Buff
Size - Reference Plans

REGISTERED LANDSCAPE ARCHITECT
KEVIN W SLOAN
2296
STATE OF TEXAS

NO.	REVISION	BY	DATE

Addison
TOWN OF ADDISON
DALLAS COUNTY, TEXAS

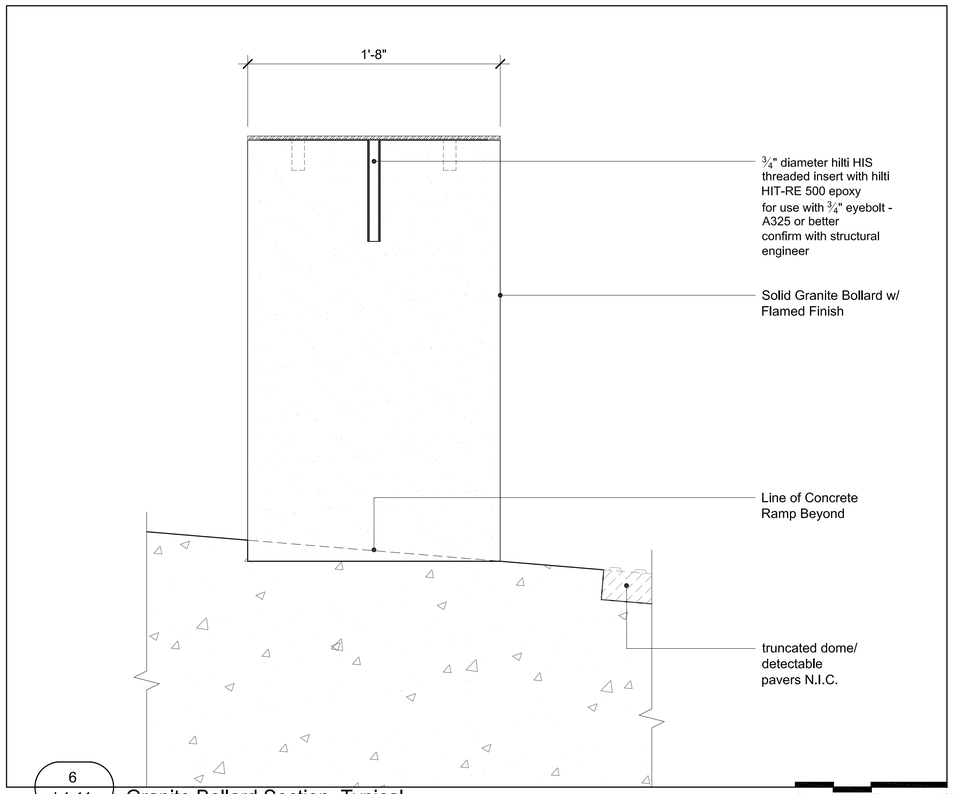
PARK AND STREETSCAPE IMPROVEMENTS
VITRUVIAN PARK

GENERAL NOTES & DESIGN SELECTION SUMMARY

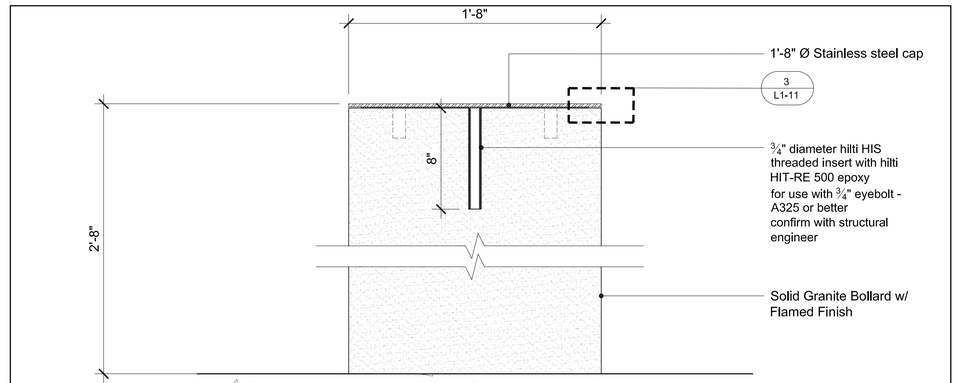
KEVIN SLOAN STUDIO
4145 Travis, Suite 105
Dallas, Texas 75204 (214) 379-1061

PROJECT	DESIGN	DRAWN	DATE	FILE	SHEET
5029-01	KWS	MM	APR 26, 2010	PW # 2009-04	L1-01

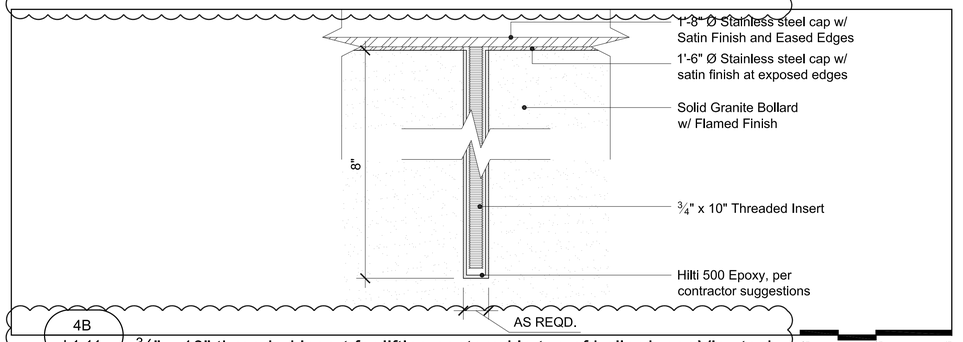
PARK AND STREETSCAPE IMPROVEMENTS - VITRUVIAN PARK



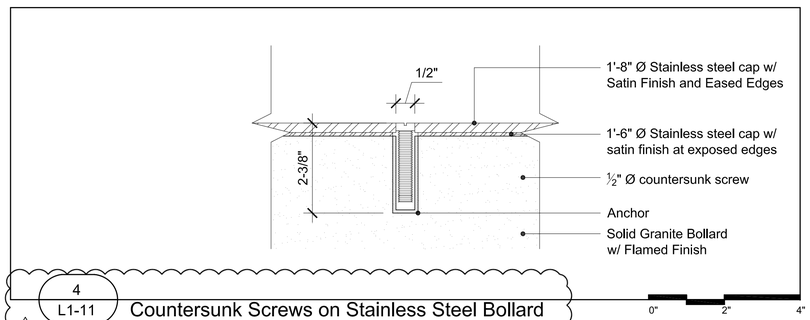
6 L1-11 Granite Bollard Section, Typical



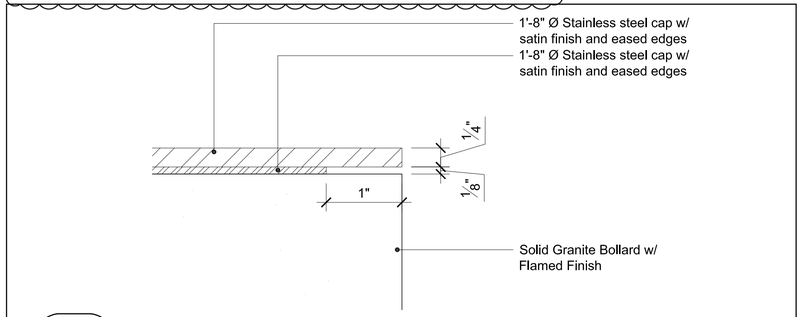
5 L1-11 Granite Bollard Section, Typical



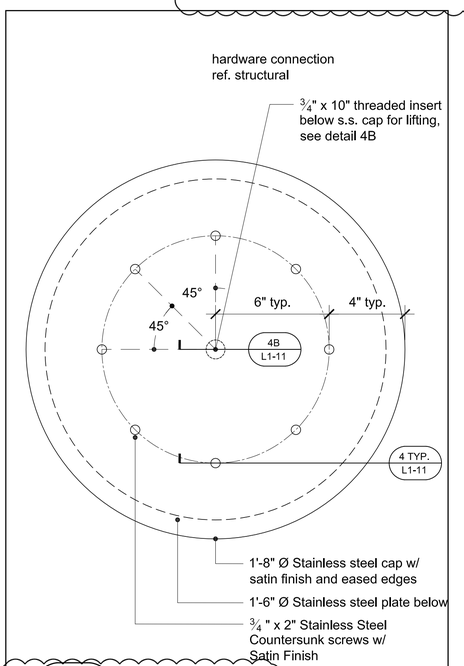
4B L1-11 ¾" x 10" threaded insert for lifting centered in top of bollard, per Viewtech



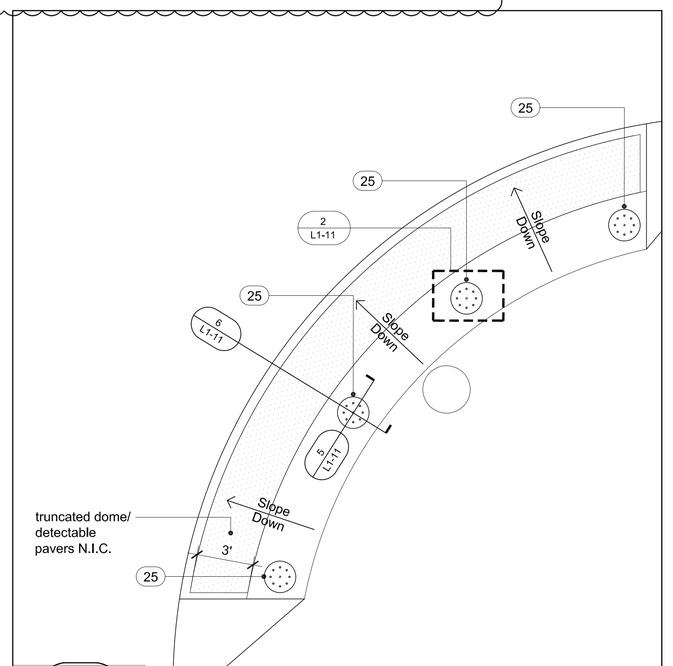
4 L1-11 Countersunk Screws on Stainless Steel Bollard Cap Detail, Typical



3 L1-11 Bollard Stainless Steel Cap Detail



2 L1-11 Granite Bollard Plan, Typical



1 L1-11 Granite Bollard Plan, Typical

GENERAL NOTE

Refer to sheet L1-01 Design Selection Summary for specific product, finishes, and colors.

Refer to sheets L1-12 & L1-13 for furniture and park element details.

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11B. Pavestone Concrete Paver B
11C. Pavestone Concrete Paver C
11D. Pavestone Concrete Paver D
11E. Pavestone Concrete Paver E
12. Structural Concrete Masonry Unit Wall
13. Structural Fill: Reference Structural
14. Transformer/Switchgear: Ref. Civil
15. Drain Grate
16. Atrium Grate
17. Paver Grate
18. Metal Pergola
19. Metal Trellis
20. Trellis Above
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22. Metal Guard Rail
23. Metal Handrail
24. Metal Guard Rail and Handrail
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26. Composite Decking
27. Concrete Pier: Locate in field to avoid conflict with existing tree roots - Ref. Structural
28. Structural Steel Beam: Ref. Structural
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33. Building Beyond: N.I.C. (Not In Contract)
34. Guardrail Beyond
35. Concrete Form Ties
36. Vertical Control Joints: Ref. Structural
37. Concrete Bench
38. Lake Edge Wall: Ref. Structural
39. Concrete Wall Beyond
40. Electrical: Ref. Civil
41. Concrete Curb - Reference structural
42. Access Panel - Reference structural
43. Vertical Control Joints: Ref. Structural
44. Concrete Weir: Reference Structural
45. Water
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47. Existing Wooden Fence
48. Metal Gate
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68. Pedestal Drinking Fountain
69. Litter Receptacle
70. Bench
71. Pet Waste Disposal System
72. Bike Rack
73. Gravel
74. Limestone Slab

NO.	REVISION	BY	DATE
1	REVISIONS	KSS	04/04/2011

TOWN OF ADDISON
DALLAS COUNTY, TEXAS

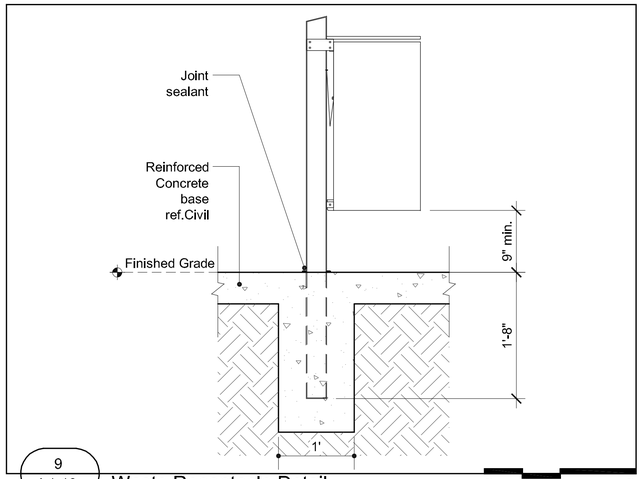
PARK AND STREETSCAPE IMPROVEMENTS
VITRUVIAN PARK

BOLLARD DETAILS

KEVIN SLOAN STUDIO
2400 Empire Central, Suite F
Dallas, Texas 75235 (214) 459-1784

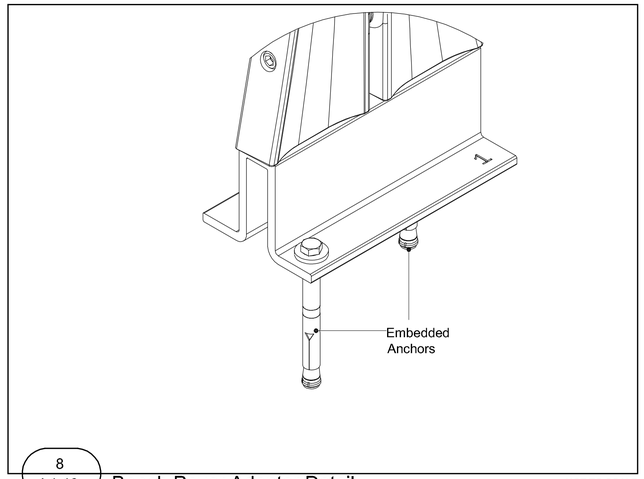
PROJECT	DESIGN	DRAWN	DATE	FILE	SHEET
5029-01	KWS	MM	APR 26, 2010	PW # 2009-04	L1-11

PARK AND STREETSCAPE IMPROVEMENTS - VITRUVIAN PARK



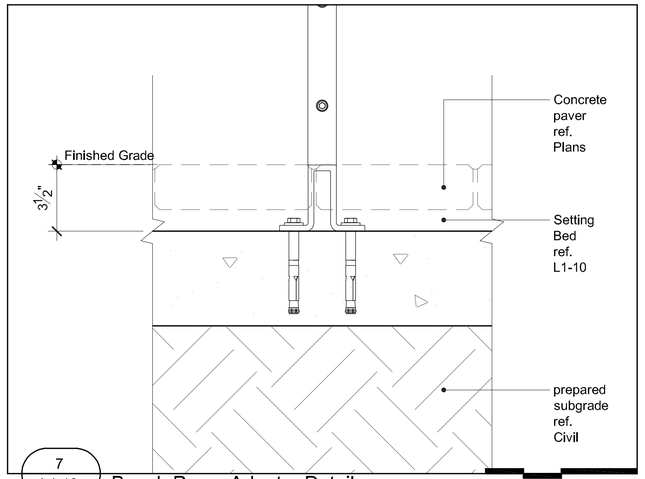
9 L1-12 **Waste Receptacle Detail**

0' 6" 1' 2'



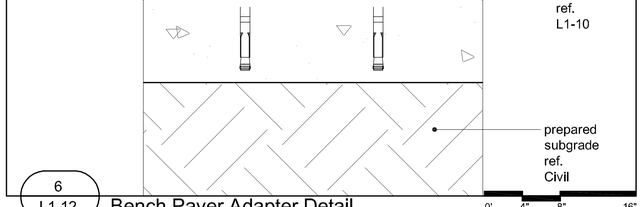
8 L1-12 **Bench Paver Adapter Detail**

NOT TO SCALE



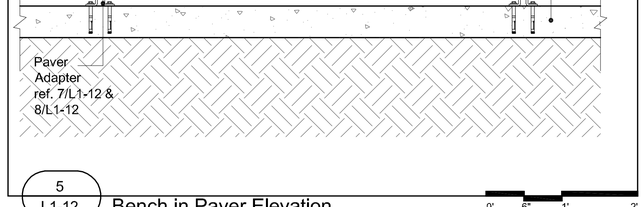
7 L1-12 **Bench Paver Adapter Detail**

0' 4" 8" 16"



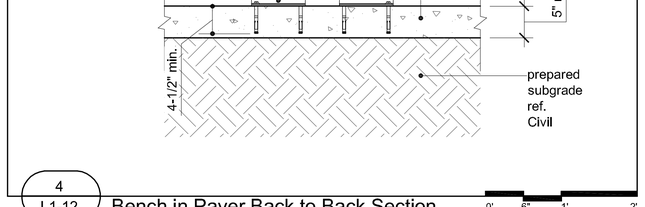
6 L1-12 **Bench Paver Adapter Detail**

0' 4" 8" 16"



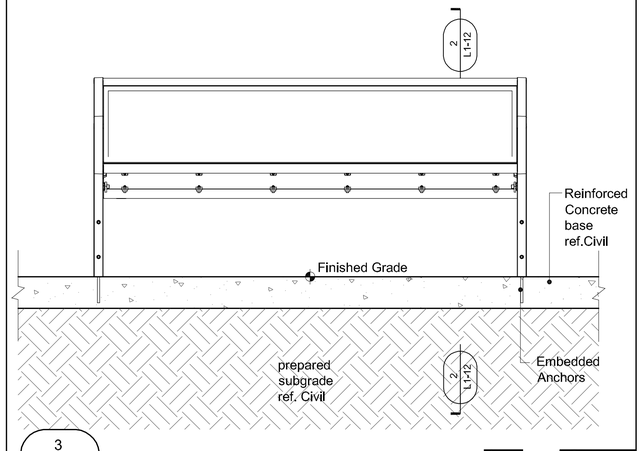
5 L1-12 **Bench in Paver Elevation**

0' 6" 1' 2'



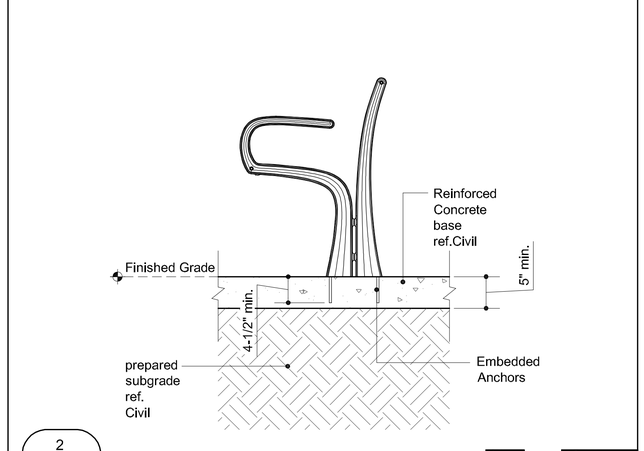
4 L1-12 **Bench in Paver Back to Back Section**

0' 6" 1' 2'



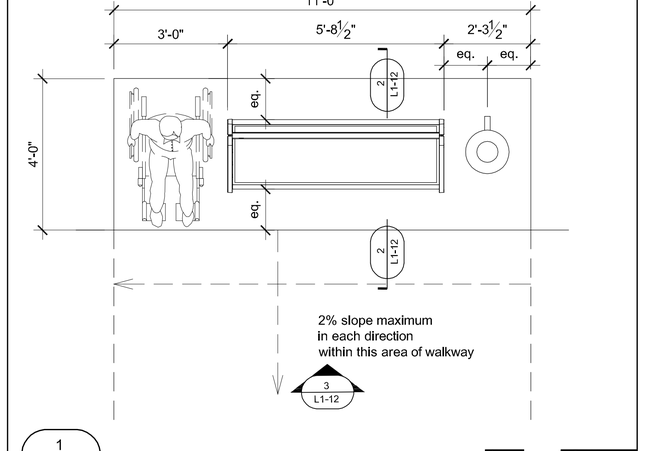
3 L1-12 **Street Bench Elevation**

0' 6" 1' 2'



2 L1-12 **Bench Section Detail**

0' 6" 1' 2'



1 L1-12 **Bench and Waste Receptacle Plan Detail**

0' 1' 2' 4'

GENERAL NOTE

Refer to sheet L1-01 Design Selection Summary for specific product, finishes, and colors.

Refer to sheets L1-12 & L1-13 for furniture and park element details.

LEGEND

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11D. Pavestone Concrete Paver D
11E. Pavestone Concrete Paver E
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13. Structural Fill: Reference Structural
14. Transformer/Switchgear: Ref. Civil
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16. Atrium Grate
17. Paver Grate
18. Metal Pergola
19. Metal Trellis
20. Trellis Above
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23. Metal Handrail
24. Metal Guard Rail and Handrail
25. Granite Bollard
26. Composite Decking
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35. Concrete Form Ties
36. Vertical Control Joints: Ref. Structural
37. Concrete Bench
38. Lake Edge Wall: Ref. Structural
39. Concrete Wall Beyond
40. Electrical: Ref. Civil
41. Concrete Curb - Reference structural
42. Access Panel - Reference structural
43. Vertical Control Joints: Ref. Structural
44. Concrete Weir: Reference Structural
45. Water
46. Hollow Metal Door and Frame
47. Existing Wooden Fence
48. Metal Gate
49. Limestone Boulder
50. Stone Veneer
60. Fully Grouted Beach Pebbles
61. Fountain: Ref. Fountain Consultant
62. Not Used
63. Fountain Pool: Ref. Fountain Consultant
64. Fountain Water Supply Line: Reference Fountain Consultant
65. Fountain Drain Line: Reference Fountain Consultant
66. Not used
67. Not used
68. Pedestal Drinking Fountain
69. Litter Receptacle
70. Bench
71. Pet Waste Disposal System
72. Bike Rack
73. Gravel
74. Limestone Slab

REGISTERED LANDSCAPE ARCHITECT KEVIN W. SLOAN 2296 STATE OF TEXAS

NO.	REVISION	BY	DATE

Addison **TOWN OF ADDISON**
DALLAS COUNTY, TEXAS

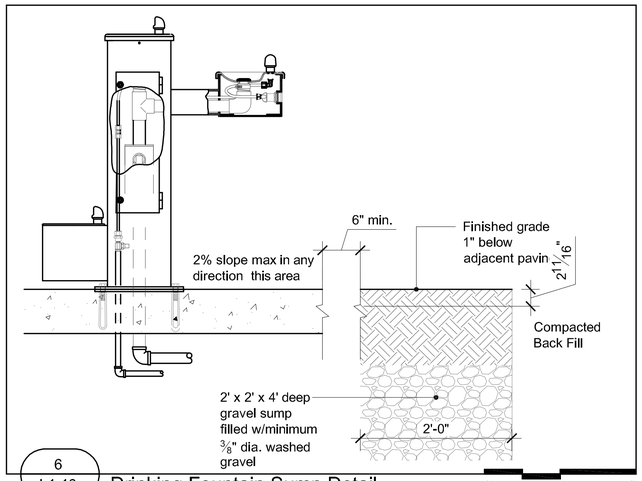
PARK AND STREETSCAPE IMPROVEMENTS
VITRUVIAN PARK

TYPICAL FURNITURE DETAILS

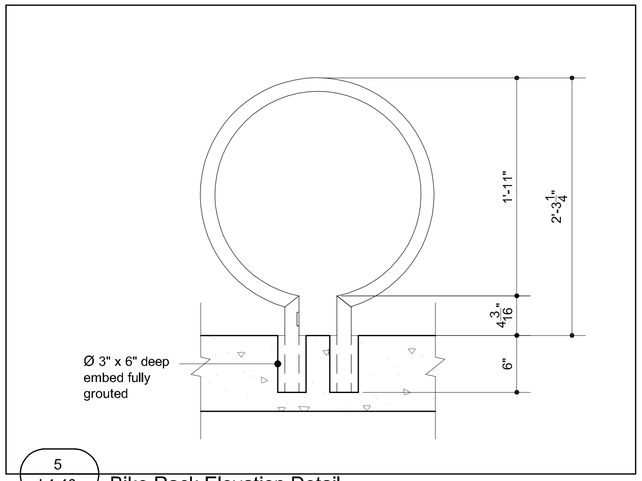
KEVIN SLOAN STUDIO
4145 Travis, Suite 105
Dallas, Texas 75204 (214) 379-1061

PROJECT	DESIGN	DRAWN	DATE	FILE	SHEET
5029-01	KWS	MM	APR 26, 2010	PW # 2009-04	L1-12

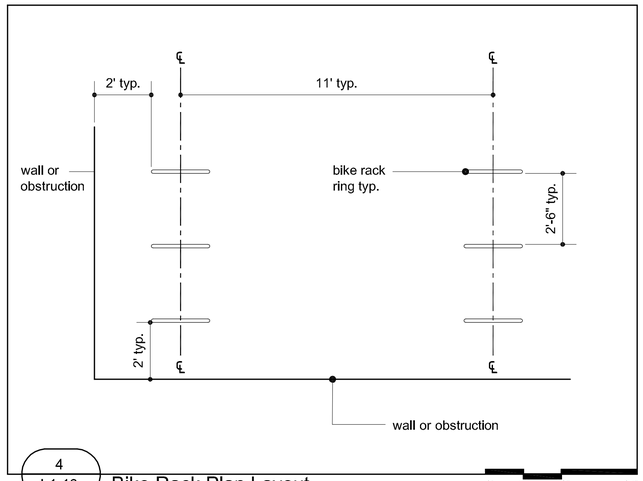
PARK AND STREETSCAPE IMPROVEMENTS - VITRUVIAN PARK



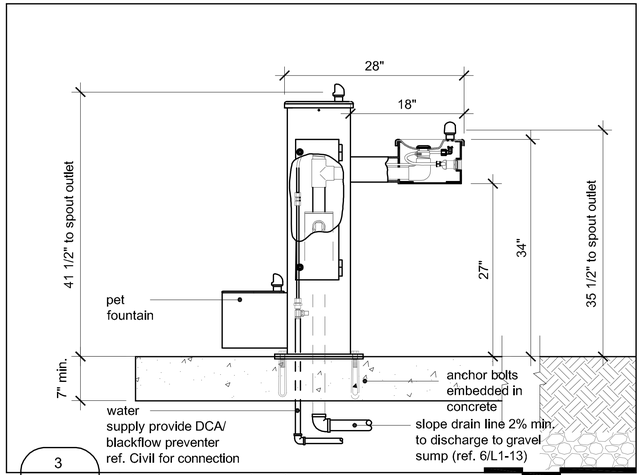
6 L1-13 Drinking Fountain Sump Detail



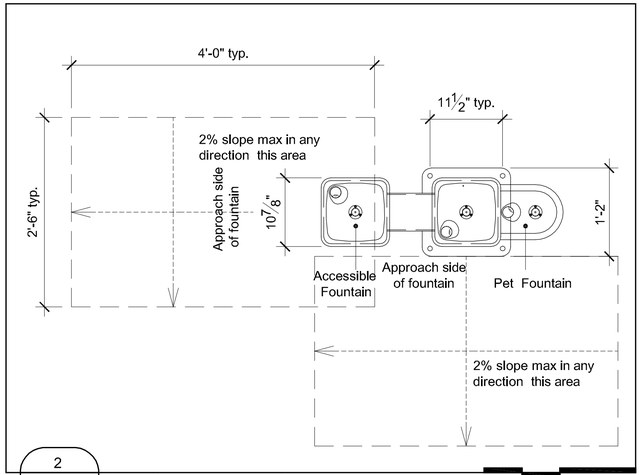
5 L1-13 Bike Rack Elevation Detail



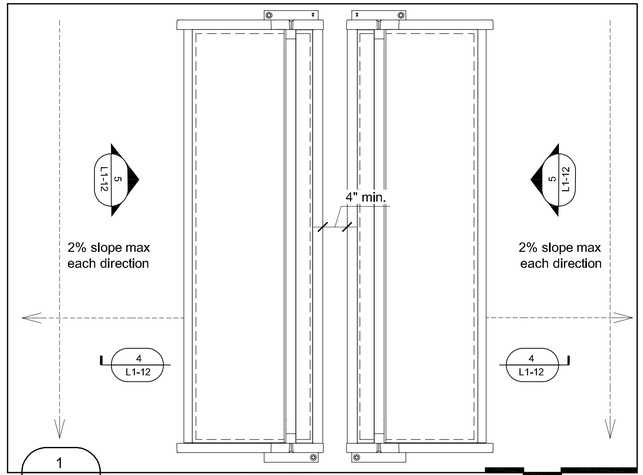
4 L1-13 Bike Rack Plan Layout



3 L1-13 Drinking Fountain Elevation



2 L1-13 Drinking Fountain Plan Layout



1 L1-13 Ponte Avenue Bench Plan Layout

GENERAL NOTE

Refer to sheet L1-01 Design Selection Summary for specific product, finishes, and colors.

Refer to sheets L1-12 & L1-13 for furniture and park element details.

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42. Access Panel - Reference structural
43. Vertical Control Joints: Ref. Structural
44. Concrete Weir: Reference Structural
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62. Not Used
63. Fountain Pool: Ref. Fountain Consultant
64. Fountain Water Supply Line: Reference Fountain Consultant
65. Fountain Drain Line: Reference Fountain Consultant
66. Not used
67. Not used
68. Pedestal Drinking Fountain
69. Litter Receptacle
70. Bench
71. Pet Waste Disposal System
72. Bike Rack
73. Gravel
74. Limestone Slab

REGISTERED LANDSCAPE ARCHITECT
KEVIN W. SLOAN
2296
STATE OF TEXAS

NO.	REVISION	BY	DATE

Addison TOWN OF ADDISON
DALLAS COUNTY, TEXAS

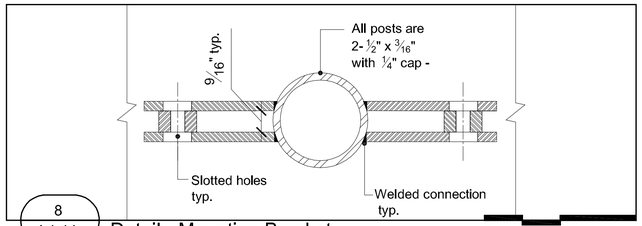
PARK AND STREETSCAPE IMPROVEMENTS
VITRUVIAN PARK

TYPICAL FURNITURE DETAILS

KEVIN SLOAN STUDIO
4145 Travis, Suite 105
Dallas, Texas 75204 (214) 379-1061

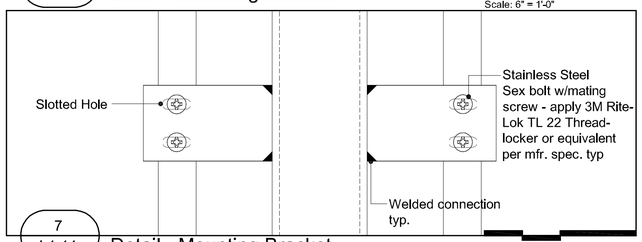
PROJECT	DESIGN	DRAWN	DATE	FILE	SHEET
5029-01	KWS	MM	APR 26, 2010	PW # 2009-04	L1-13

PARK AND STREETSCAPE IMPROVEMENTS - VITRUVIAN PARK



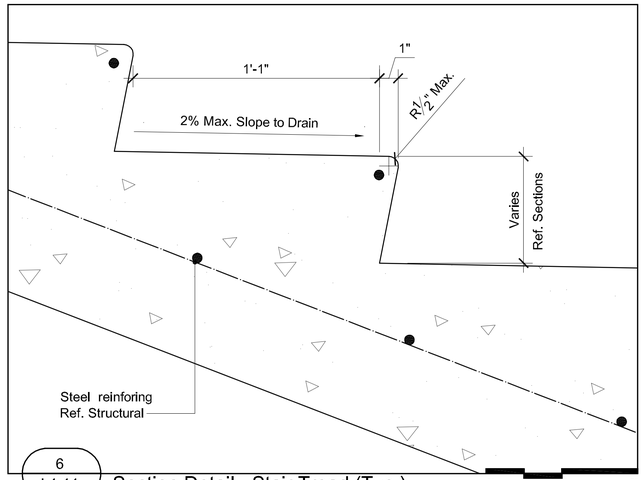
8 L1-14 **Detail - Mounting Bracket**

Scale: 6" = 1'-0"



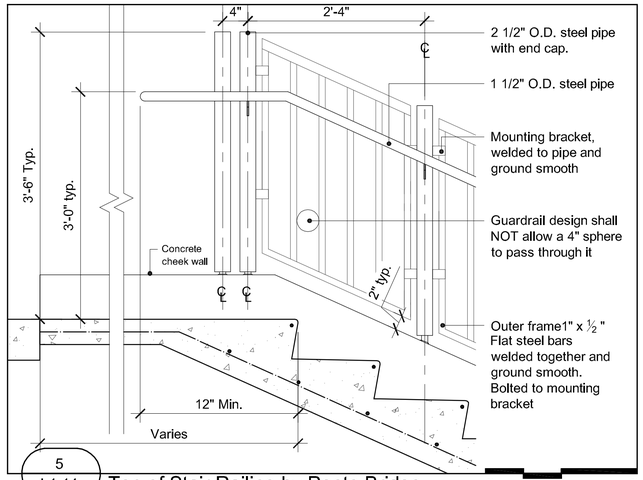
7 L1-14 **Detail - Mounting Bracket**

Scale: 6" = 1'-0"



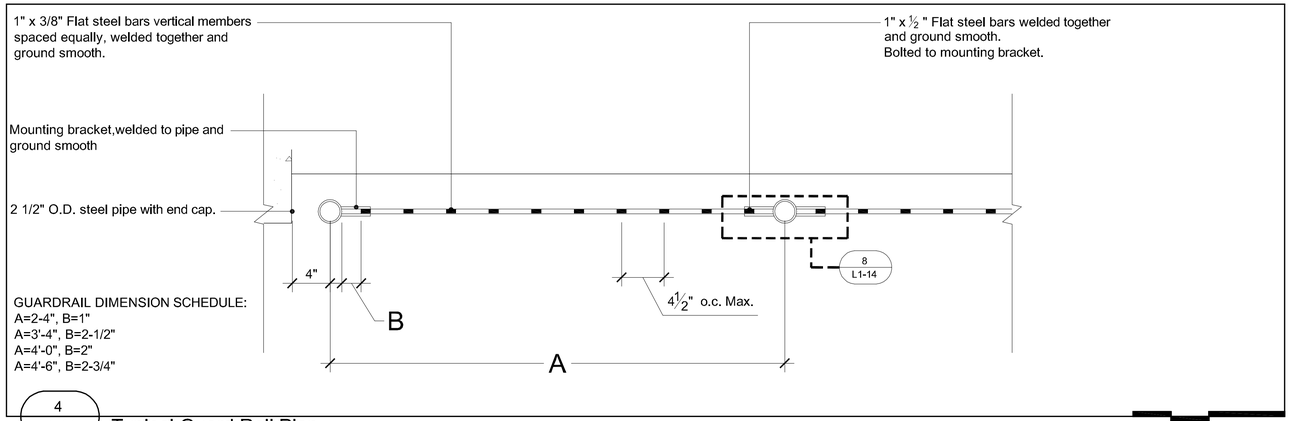
6 L1-14 **Section Detail - Stair Tread (Typ.)**

Scale: 3" = 1'-0"



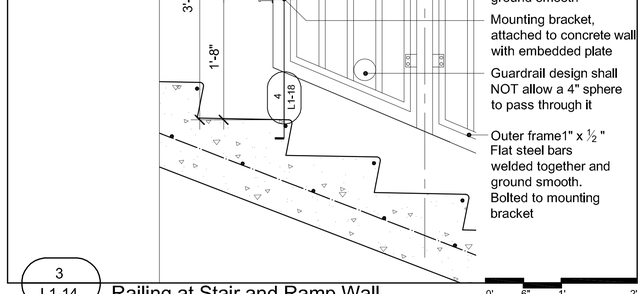
5 L1-14 **Top of Stair Railing by Ponte Bridge**

Scale: 1" = 1'-0"



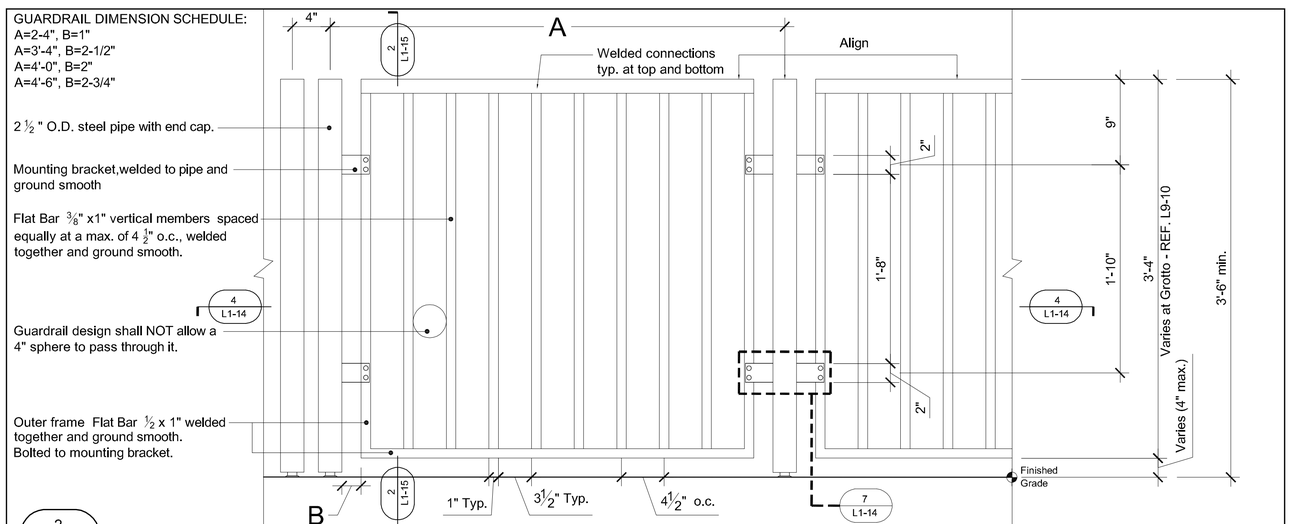
4 L1-14 **Typical Guard Rail Plan**

Scale: 1 1/2" = 1'-0"



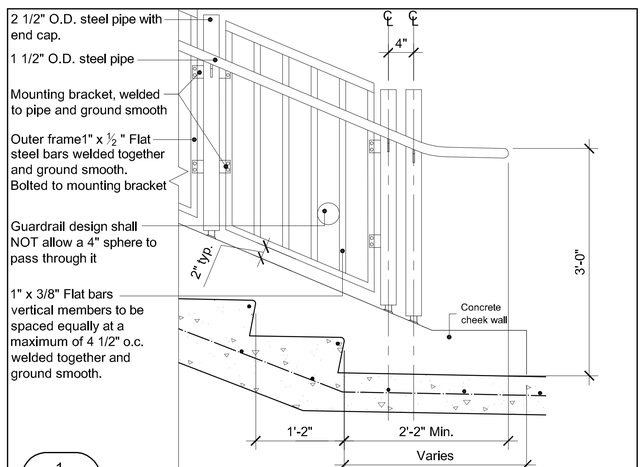
3 L1-14 **Railing at Stair and Ramp Wall**

Scale: 1" = 1'-0"



2 L1-14 **Detail - Typical Guard Rail**

Scale: 1 1/2" = 1'-0"



1 L1-14 **Bottom of Stair Railing by Ponte Bridge**

Scale: 1" = 1'-0"

GENERAL NOTE

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REGISTERED LANDSCAPE ARCHITECT
KEVIN W. SLOAN
2296
STATE OF TEXAS

NO.	REVISION	BY	DATE

TOWN OF ADDISON
DALLAS COUNTY, TEXAS

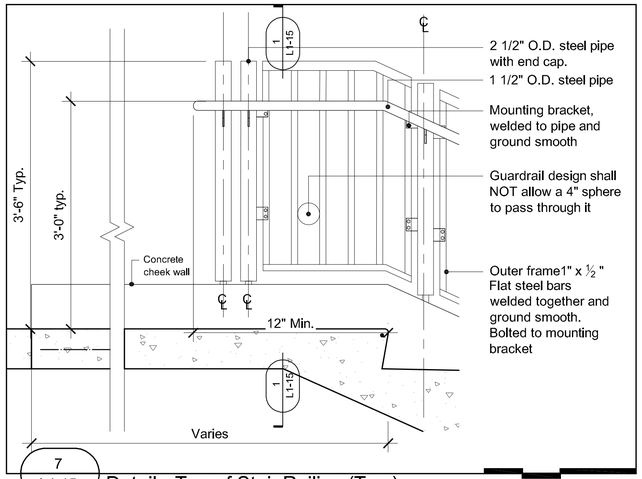
PARK AND STREETSCAPE IMPROVEMENTS
VITRUVIAN PARK

TYPICAL METAL GUARD RAIL- HANDRAIL AND TREAD DETAILS

KEVIN SLOAN STUDIO
4145 Travis, Suite 105
Dallas, Texas 75204 (214) 379-1061

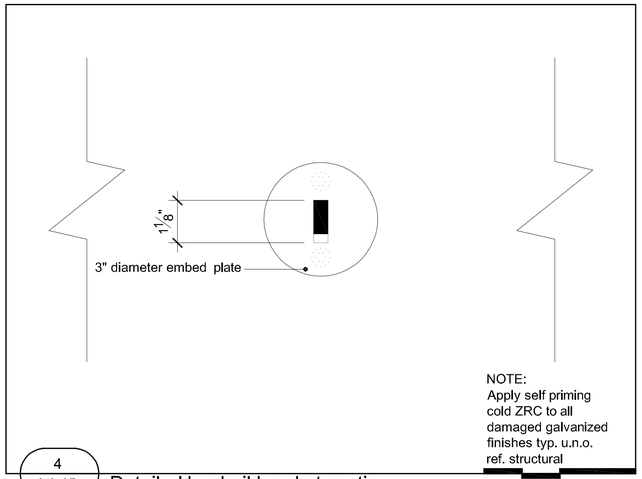
PROJECT	DESIGN	DRAWN	DATE	FILE	SHEET
5029-01	KWS	MM	APR 26, 2010	PW # 2009-04	L1-14

PARK AND STREETSCAPE IMPROVEMENTS - VITRUVIAN PARK



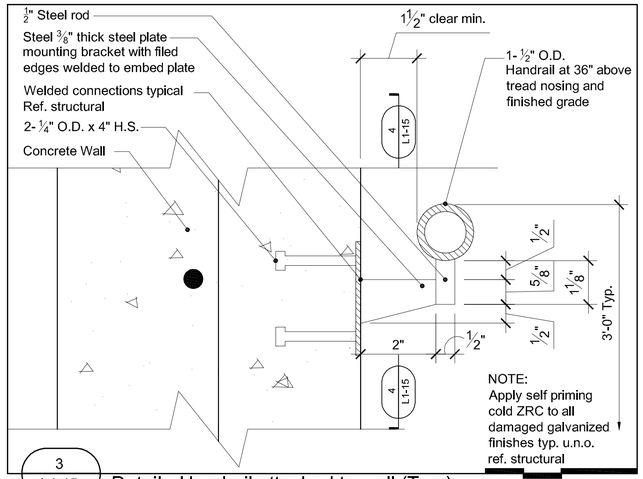
7 L1-15 Detail - Top of Stair Railing (Typ.)

Scale: 1" = 1'-0"



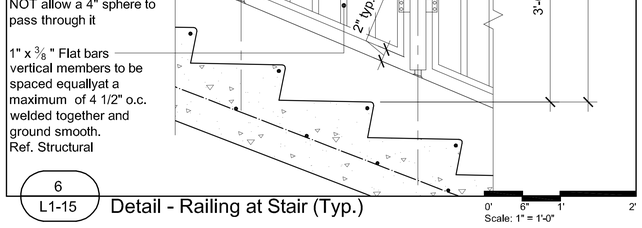
4 L1-15 Detail - Handrail bracket section

Scale: 6" = 1'-0"



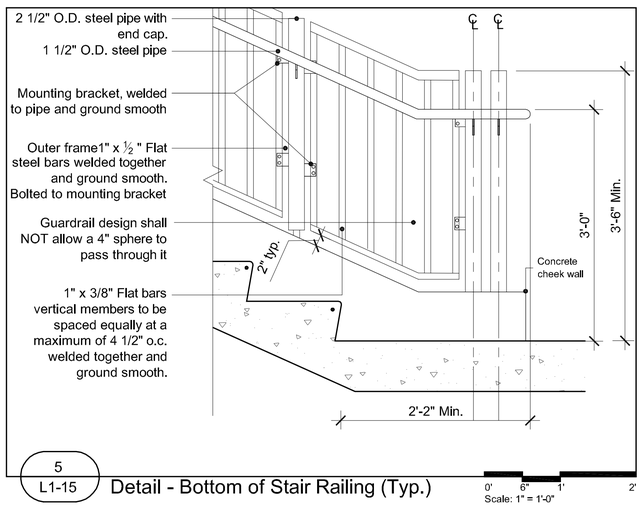
3 L1-15 Detail - Handrail attached to wall (Typ.)

Scale: 6" = 1'-0"



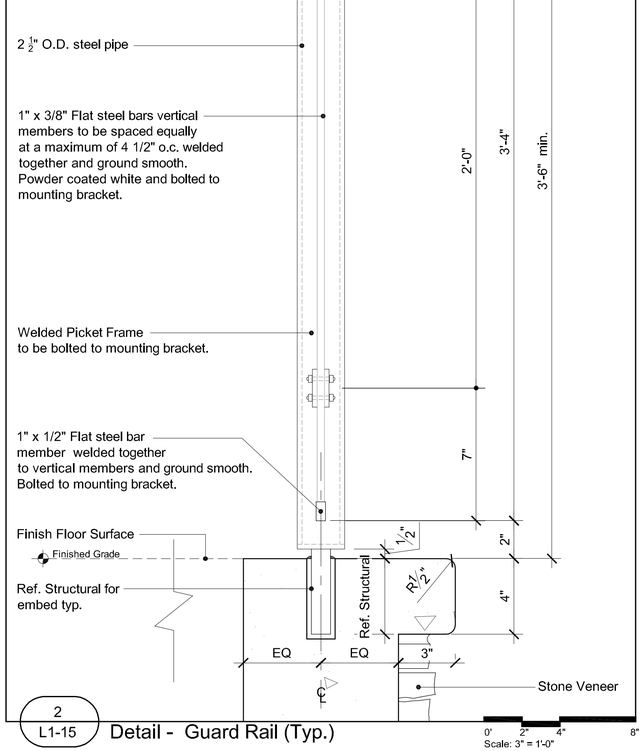
6 L1-15 Detail - Railing at Stair (Typ.)

Scale: 1" = 1'-0"



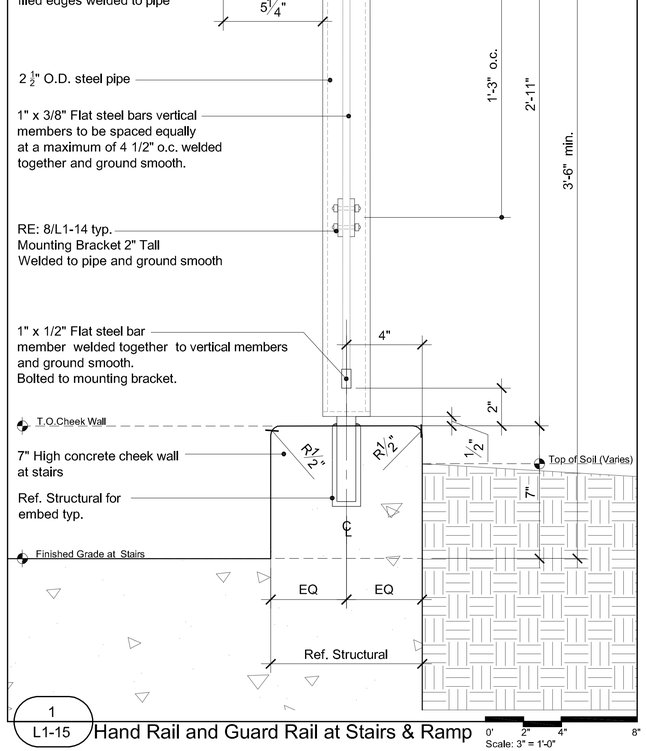
5 L1-15 Detail - Bottom of Stair Railing (Typ.)

Scale: 1" = 1'-0"



2 L1-15 Detail - Guard Rail (Typ.)

Scale: 3" = 1'-0"



1 L1-15 Hand Rail and Guard Rail at Stairs & Ramp

Scale: 3" = 1'-0"

GENERAL NOTE

Refer to sheet L1-01 Design Selection Summary for specific product, finishes, and colors.

Refer to sheets L1-12 & L1-13 for furniture and park element details.

LEGEND

1. Project Limit
2. Not in Contract (N.I.C.): Information provided for design intent only.
3. Planting Area: Ref. L10-00's & L11-00's
4. Expansion Joint: Ref. Civil for detail
5. Tooled Control Joint: Ref. Civil for detail
6. Concrete Paving A
7. Concrete Paving B
8. Concrete Paving C
9. Concrete Paving D
10. Concrete Wall: ref. Structural
11A. Pavestone Concrete Paver A
11B. Pavestone Concrete Paver B
11C. Pavestone Concrete Paver C
11D. Pavestone Concrete Paver D
11E. Pavestone Concrete Paver E
12. Structural Concrete Masonry Unit Wall
13. Structural Fill: Reference Structural
14. Transformer/Switchgear: Ref. Civil
15. Drain Grate
16. Atrium Grate
17. Paver Grate
18. Metal Pergola
19. Metal Trellis
20. Trellis Above
21. Light Fixture Above
22. Metal Guard Rail
23. Metal Handrail
24. Metal Guard Rail and Handrail
25. Granite Bollard
26. Composite Decking
27. Concrete Pier: Locate in field to avoid conflict with existing tree roots - Ref. Structural
28. Structural Steel Beam: Ref. Structural
29. Structural Framing: Ref. Structural
30. Structural Steel Channel: Ref. Structural
31. Concrete walkway: Ref. Civil & Structural
32. Bridge: N.I.C. (Not In Contract)
33. Building Beyond: N.I.C. (Not In Contract)
34. Guardrail Beyond
35. Concrete Form Ties
36. Vertical Control Joints: Ref. Structural
37. Concrete Bench
38. Lake Edge Wall: Ref. Structural
39. Concrete Wall Beyond
40. Electrical: Ref. Civil
41. Concrete Curb - Reference structural
42. Access Panel - Reference structural
43. Vertical Control Joints: Ref. Structural
44. Concrete Weir: Reference Structural
45. Water
46. Hollow Metal Door and Frame
47. Existing Wooden Fence
48. Metal Gate
49. Limestone Boulder
50. Stone Veneer
60. Fully Grouted Beach Pebbles
61. Fountain: Ref. Fountain Consultant
62. Not Used
63. Fountain Pool: Ref. Fountain Consultant
64. Fountain Water Supply Line: Reference Fountain Consultant
65. Fountain Drain Line: Reference Fountain Consultant
66. Not used
67. Not used
68. Pedestal Drinking Fountain
69. Litter Receptacle
70. Bench
71. Pet Waste Disposal System
72. Bike Rack
73. Gravel
74. Limestone Slab

REGISTERED LANDSCAPE ARCHITECT KEVIN W. SLOAN 2296 STATE OF TEXAS

NO.	REVISION	BY	DATE

Addison TOWN OF ADDISON
DALLAS COUNTY, TEXAS

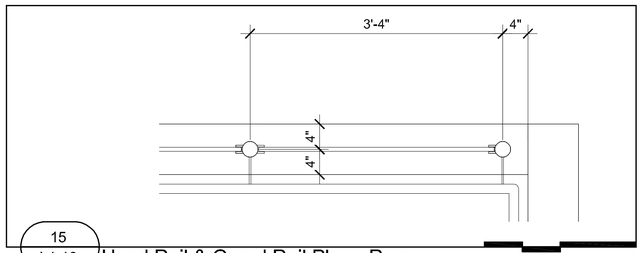
PARK AND STREETSCAPE IMPROVEMENTS
VITRUVIAN PARK

TYPICAL METAL GUARD RAIL AND HANDRAIL DETAILS

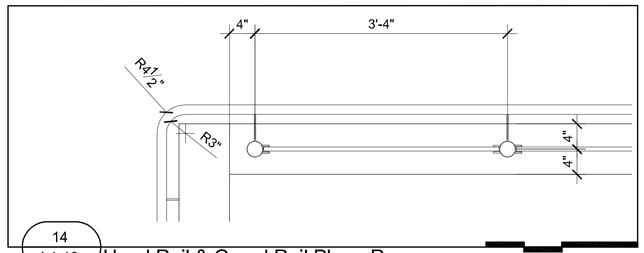
KEVIN SLOAN STUDIO
4145 Travis, Suite 105
Dallas, Texas 75204 (214) 379-1061

PROJECT	DESIGN	DRAWN	DATE	FILE	SHEET
5029-01	KWS	MM	APR 26, 2010	PW # 2009-04	L1-15

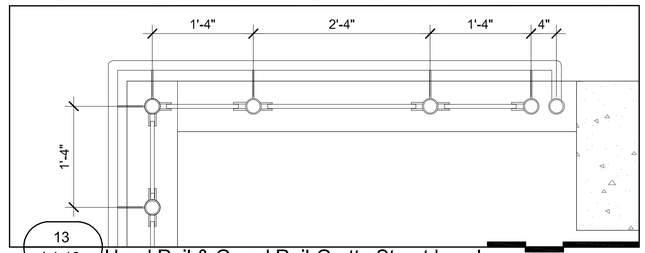
PARK AND STREETSCAPE IMPROVEMENTS - VITRUVIAN PARK



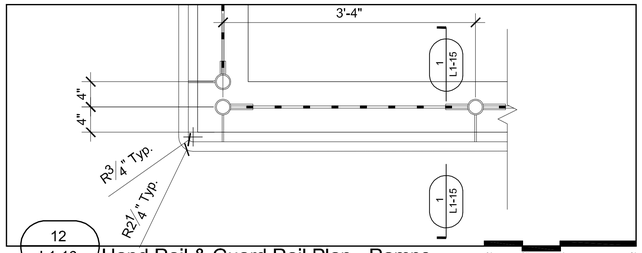
15 L1-16 **Hand Rail & Guard Rail Plan - Ramps**
REF. 1/L4-03



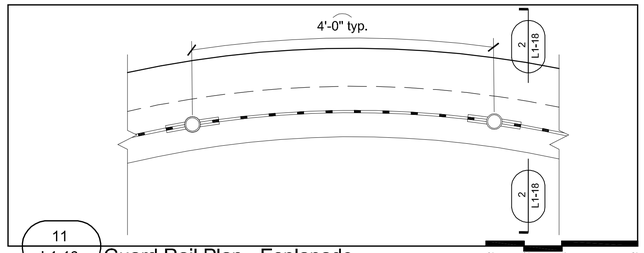
14 L1-16 **Hand Rail & Guard Rail Plan - Ramps**
REF. 1/L4-02, 1/L4-03



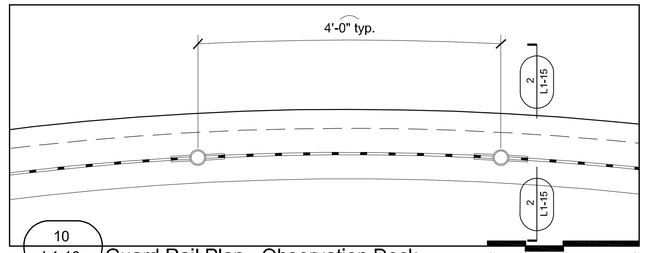
13 L1-16 **Hand Rail & Guard Rail-Grotto Street Level**
REF. 1/L9-04, 2/L9-04



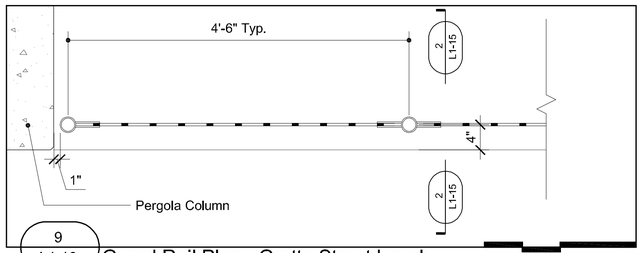
12 L1-16 **Hand Rail & Guard Rail Plan - Ramps**
REF. 1/L4-02, 1/L4-03



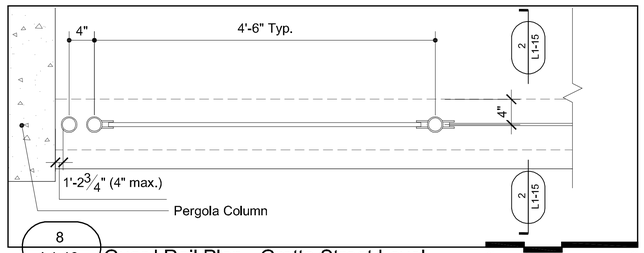
11 L1-16 **Guard Rail Plan - Esplanade**
REF. 2/L9-05



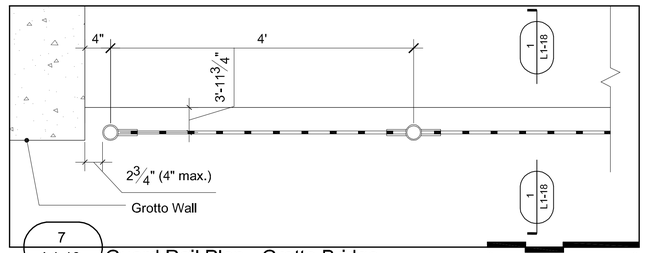
10 L1-16 **Guard Rail Plan - Observation Deck**
REF. 1/L5-01



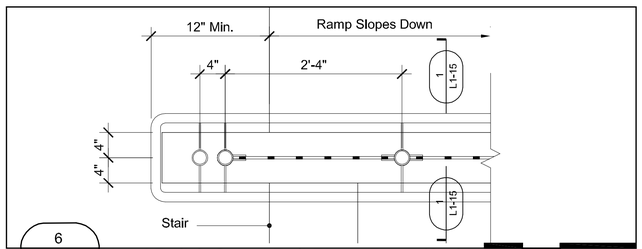
9 L1-16 **Guard Rail Plan - Grotto Street Level**
REF. 2/L9-02



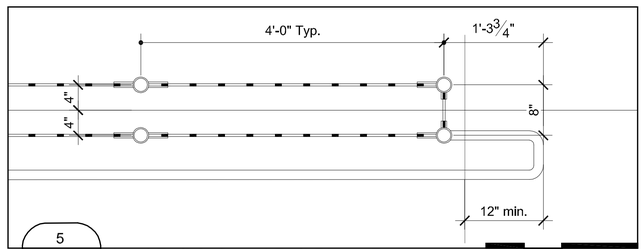
8 L1-16 **Guard Rail Plan - Grotto Street Level**
REF. 2/L9-02



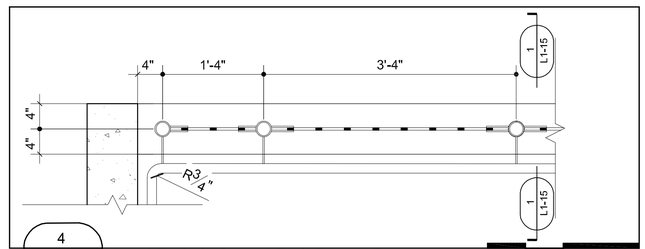
7 L1-16 **Guard Rail Plan - Grotto Bridge**
REF. 1/L6-01, 1/L9-03, 3/L9-04



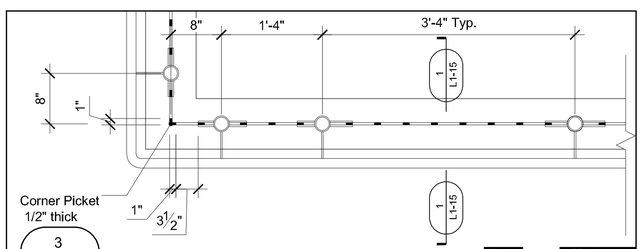
6 L1-16 **Hand Rail & Guard Rail Plan - Ramp/Stair**
REF. 1/L4-02, 1/L4-03



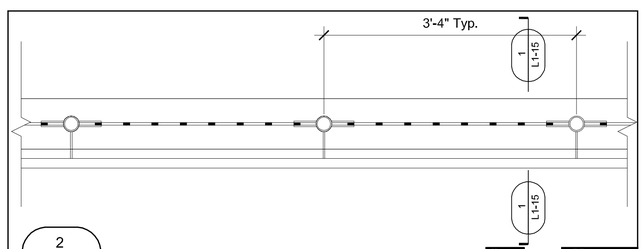
5 L1-16 **Hand Rail & Guard Rail Plan - Ramp**
REF. 1/L9-05



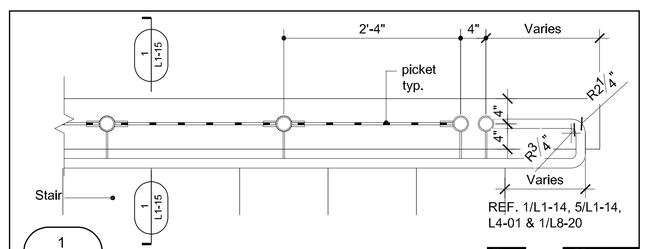
4 L1-16 **Hand Rail & Guard Rail Plan - Ramps**
REF. 1/L4-02, 1/L4-03



3 L1-16 **Hand Rail & Guard Rail Plan - Ramps**
REF. 1/L4-03



2 L1-16 **Hand Rail & Guard Rail Plan - Ramps**
REF. 1/L4-02, 1/L4-03



1 L1-16 **Hand Rail & Guard Rail Plan - Stairs**
REF. 1/L4-01, 2/L4-01, 1/L4-02, 1/L4-03, 1/L8-20, 1/L9-04, 2/L9-04

REF. 1/L1-14, 5/L1-14, L4-01 & 1/L8-20

GENERAL NOTE

Refer to sheet L1-01 Design Selection Summary for specific product, finishes, and colors.

Refer to sheets L1-12 & L1-13 for furniture and park element details.

LEGEND

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2. Not in Contract (N.I.C.): Information provided for design intent only.
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4. Expansion Joint: Ref. Civil for detail
5. Tooled Control Joint: Ref. Civil for detail
6. Concrete Paving A
7. Concrete Paving B
8. Concrete Paving C
9. Concrete Paving D
10. Concrete Wall: ref. Structural
11A. Pavestone Concrete Paver A
11B. Pavestone Concrete Paver B
11C. Pavestone Concrete Paver C
11D. Pavestone Concrete Paver D
11E. Pavestone Concrete Paver E
12. Structural Concrete Masonry Unit Wall
13. Structural Fill: Reference Structural
14. Transformer/Switchgear: Ref. Civil
15. Drain Grate
16. Atrium Grate
17. Paver Grate
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19. Metal Trellis
20. Trellis Above
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23. Metal Handrail
24. Metal Guard Rail and Handrail
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36. Vertical Control Joints: Ref. Structural
37. Concrete Bench
38. Lake Edge Wall: Ref. Structural
39. Concrete Wall Beyond
40. Electrical: Ref. Civil
41. Concrete Curb - Reference structural
42. Access Panel - Reference structural
43. Vertical Control Joints: Ref. Structural
44. Concrete Weir: Reference Structural
45. Water
46. Hollow Metal Door and Frame
47. Existing Wooden Fence
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62. Not Used
63. Fountain Pool: Ref. Fountain Consultant
64. Fountain Water Supply Line: Reference Fountain Consultant
65. Fountain Drain Line: Reference Fountain Consultant
66. Not used
67. Not used
68. Pedestal Drinking Fountain
69. Litter Receptacle
70. Bench
71. Pet Waste Disposal System
72. Bike Rack
73. Gravel
74. Limestone Slab

REGISTERED LANDSCAPE ARCHITECT
KEVIN W. SLOAN
2296
STATE OF TEXAS

NO.	REVISION	BY	DATE

TOWN OF ADDISON
DALLAS COUNTY, TEXAS

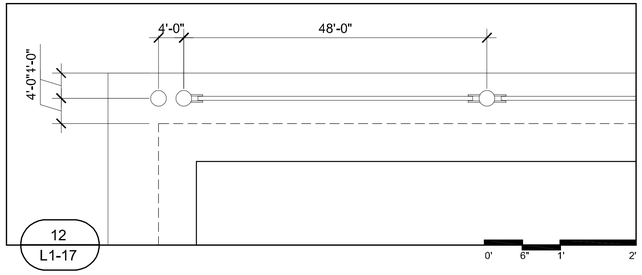
PARK AND STREETSCAPE IMPROVEMENTS
VITRUVIAN PARK

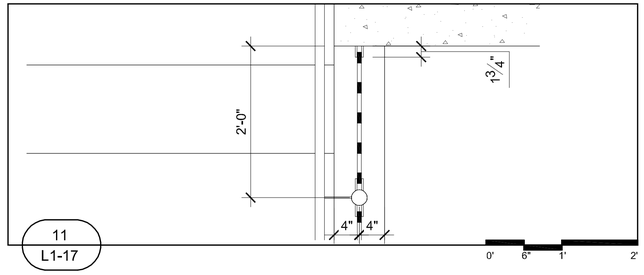
METAL GUARD RAIL AND HAND RAIL PLAN DETAILS

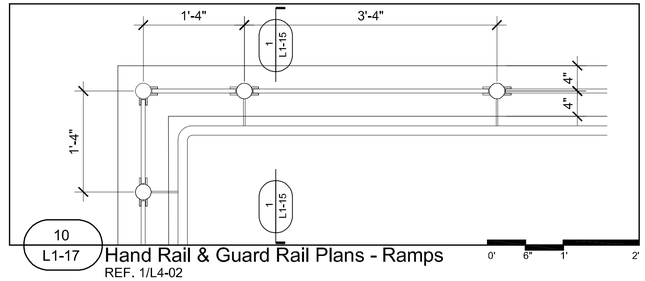
KEVIN SLOAN STUDIO
4145 Travis, Suite 105
Dallas, Texas 75204 (214) 379-1061

PROJECT	DESIGN	DRAWN	DATE	FILE	SHEET
5029-01	KWS	MM	APR 26, 2010	PW # 2009-04	L1-16

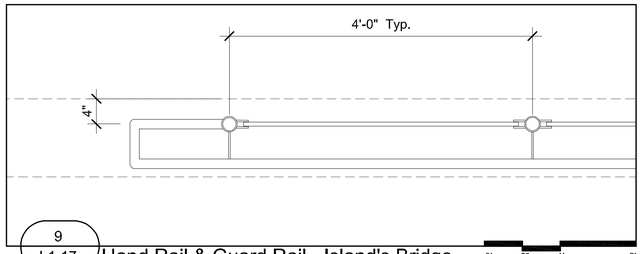
PARK AND STREETSCAPE IMPROVEMENTS - VITRUVIAN PARK



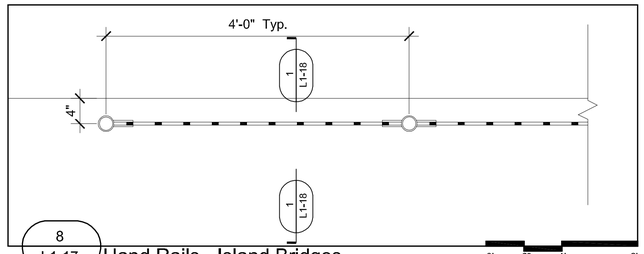




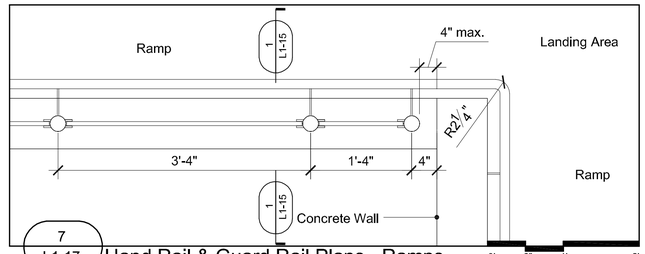
Hand Rail & Guard Rail Plans - Ramps
REF. 1/L4-02



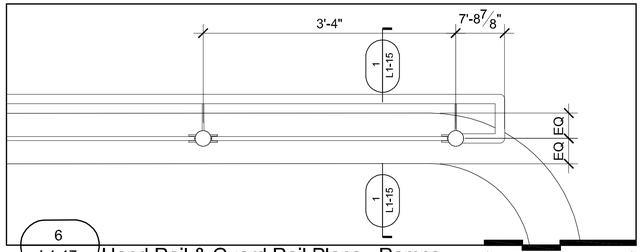
Hand Rail & Guard Rail - Island's Bridge
REF. 1/L6-02



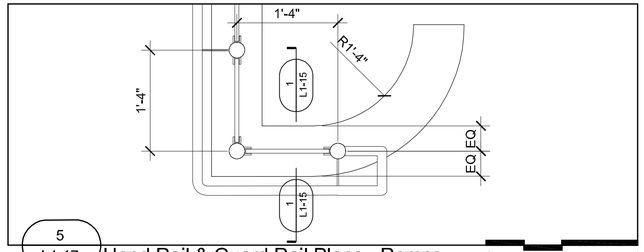
Hand Rails - Island Bridges
REF. 1/L6-01, 1/L6-02, 1/L9-03, 1/L9-05, 2/L9-05



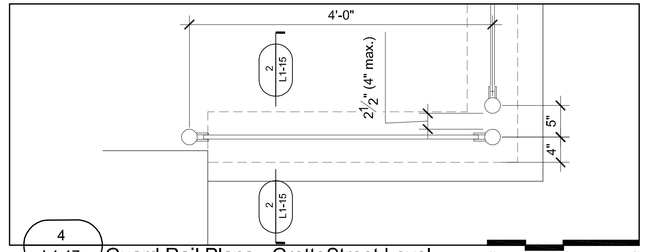
Hand Rail & Guard Rail Plans - Ramps
REF. 1/L4-02, 1/L4-03



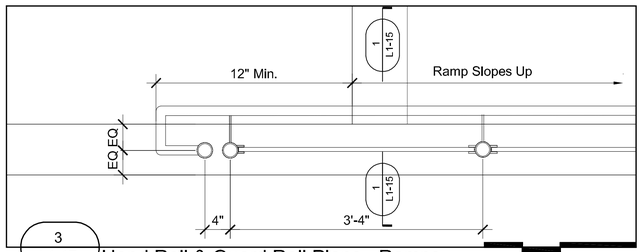
Hand Rail & Guard Rail Plans - Ramps
REF. 1/L4-02



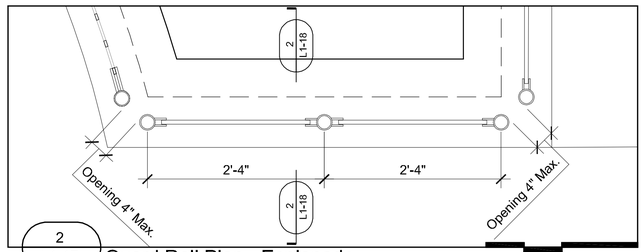
Hand Rail & Guard Rail Plans - Ramps
REF. 1/L4-02



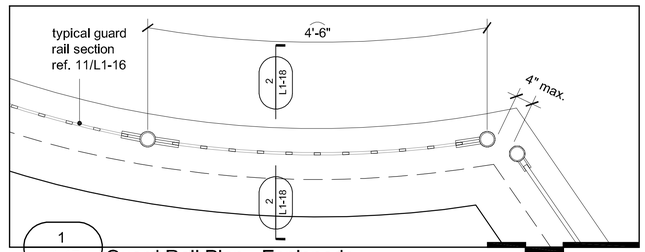
Guard Rail Plans - GrottoStreet Level
REF. 2/L9-02



Hand Rail & Guard Rail Plans - Ramps
REF. 1/L4-03



Guard Rail Plan - Esplanade
REF. 2/L9-05



Guard Rail Plan - Esplanade
REF. 1/L9-05

GENERAL NOTE

Refer to sheet L1-01 Design Selection Summary for specific product, finishes, and colors.

Refer to sheets L1-12 & L1-13 for furniture and park element details.

LEGEND

1. Project Limit
2. Not in Contract (N.I.C.): Information provided for design intent only.
3. Planting Area: Ref. L10-00's & L11-00's
4. Expansion Joint: Ref. Civil for detail
5. Tooled Control Joint: Ref. Civil for detail
6. Concrete Paving A
7. Concrete Paving B
8. Concrete Paving C
9. Concrete Paving D
10. Concrete Wall: ref. Structural
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33. Building Beyond: N.I.C. (Not In Contract)
34. Guardrail Beyond
35. Concrete Form Ties
36. Vertical Control Joints: Ref. Structural
37. Concrete Bench
38. Lake Edge Wall: Ref. Structural
39. Concrete Wall Beyond
40. Electrical: Ref. Civil
41. Concrete Curb - Reference structural
42. Access Panel - Reference structural
43. Vertical Control Joints: Ref. Structural
44. Concrete Weir: Reference Structural
45. Water
46. Hollow Metal Door and Frame
47. Existing Wooden Fence
48. Metal Gate
49. Limestone Boulder
50. Stone Veneer
60. Fully Grouted Beach Pebbles
61. Fountain: Ref. Fountain Consultant
62. Not Used
63. Fountain Pool: Ref. Fountain Consultant
64. Fountain Water Supply Line: Reference Fountain Consultant
65. Fountain Drain Line: Reference Fountain Consultant
66. Not used
67. Not used
68. Pedestal Drinking Fountain
69. Litter Receptacle
70. Bench
71. Pet Waste Disposal System
72. Bike Rack
73. Gravel
74. Limestone Slab

REGISTERED LANDSCAPE ARCHITECT
KEVIN W. SLOAN
2296
STATE OF TEXAS

NO.	REVISION	BY	DATE

TOWN OF ADDISON
DALLAS COUNTY, TEXAS

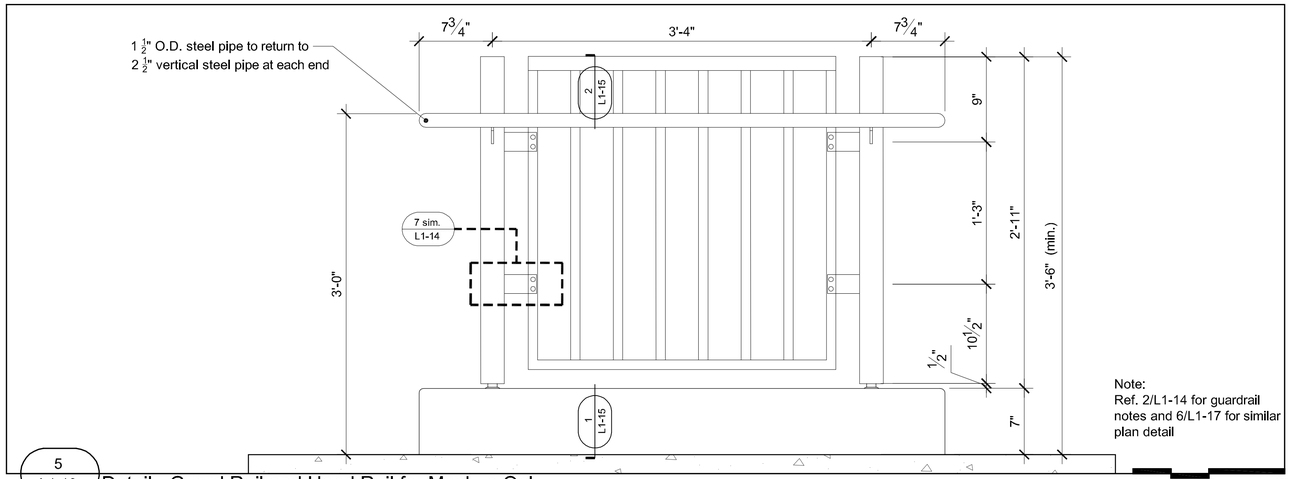
PARK AND STREETSCAPE IMPROVEMENTS
VITRUVIAN PARK

METAL GUARD RAIL AND HAND RAIL PLAN DETAILS

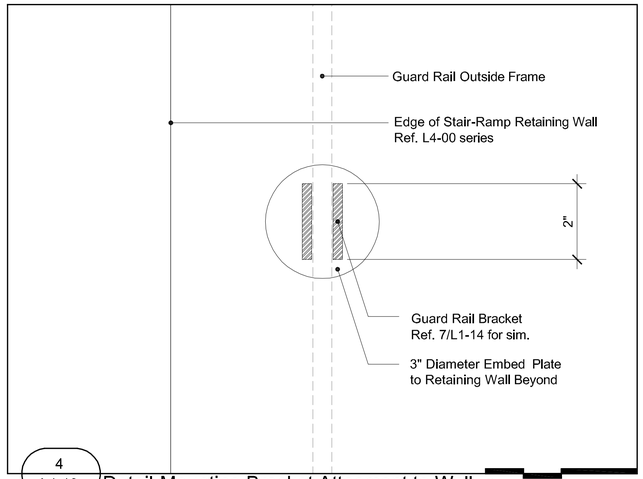
KEVIN SLOAN STUDIO
4145 Travis, Suite 105
Dallas, Texas 75204 (214) 379-1061

PROJECT	DESIGN	DRAWN	DATE	FILE	SHEET
5029-01	KWS	MM	APR 26, 2010	PW # 2009-04	L1-17

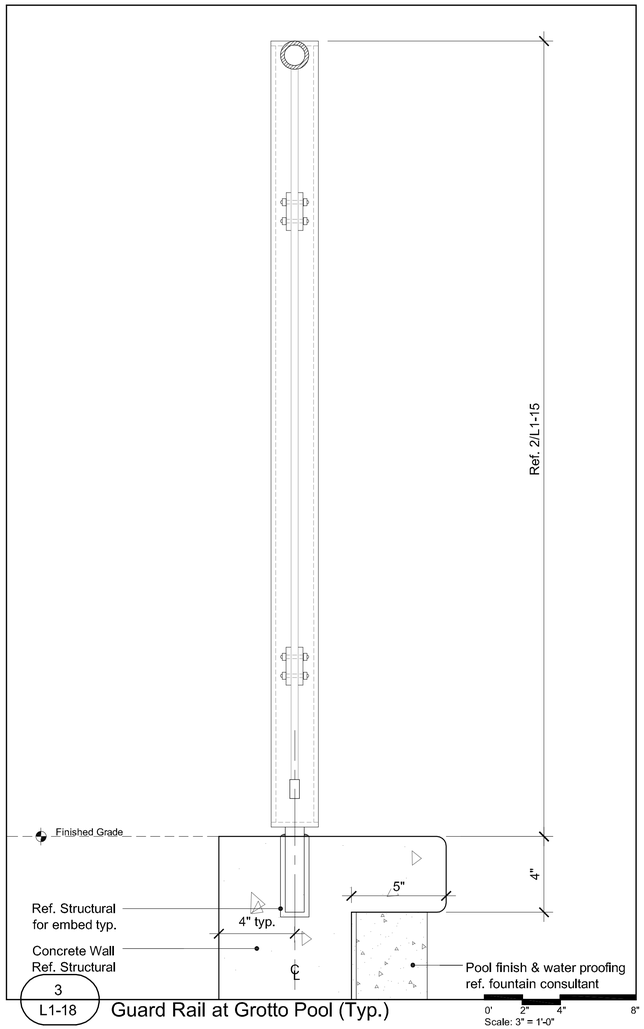
PARK AND STREETSCAPE IMPROVEMENTS - VITRUVIAN PARK



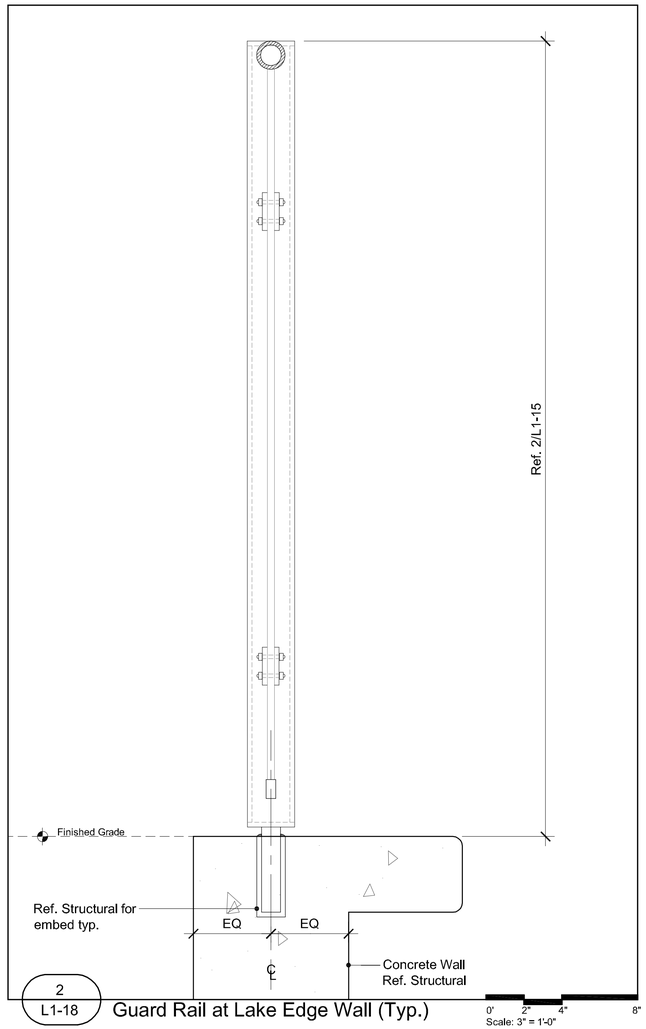
5 L1-18 Detail - Guard Rail and Hand Rail for Mockup Only



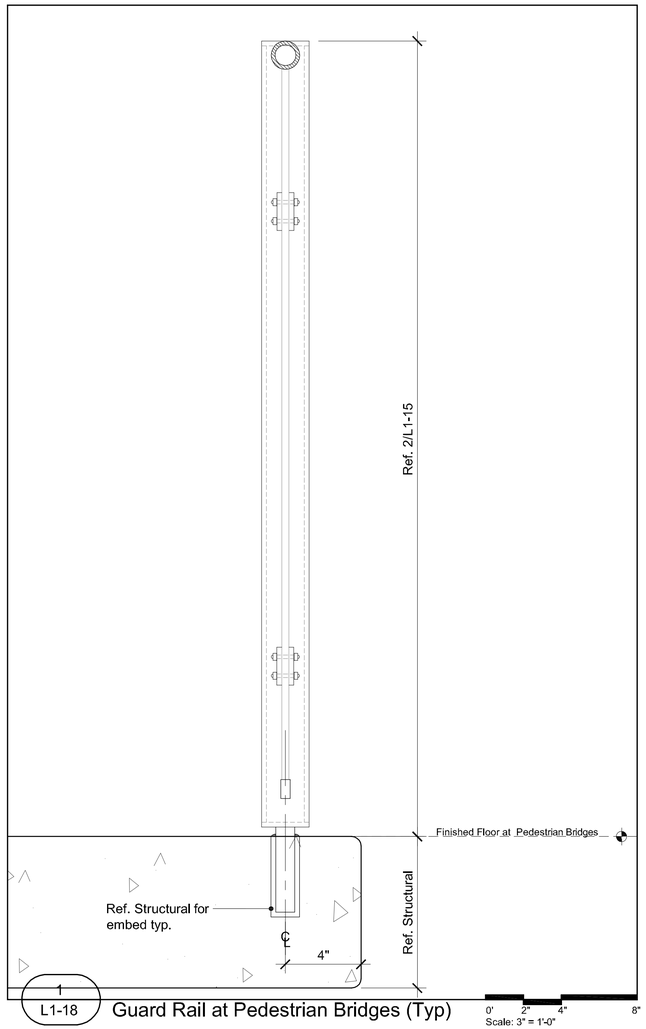
4 L1-18 Detail-Mounting Bracket Attacment to Wall



3 L1-18 Guard Rail at Grotto Pool (Typ.)



2 L1-18 Guard Rail at Lake Edge Wall (Typ.)



1 L1-18 Guard Rail at Pedestrian Bridges (Typ)

GENERAL NOTE

Refer to sheet L1-01 Design Selection Summary for specific product, finishes, and colors.

Refer to sheets L1-12 & L1-13 for furniture and park element details.

LEGEND

1. Project Limit
2. Not in Contract (N.I.C.): Information provided for design intent only.
3. Planting Area: Ref. L10-00's & L11-00's
4. Expansion Joint: Ref. Civil for detail
5. Tooled Control Joint: Ref. Civil for detail
6. Concrete Paving A
7. Concrete Paving B
8. Concrete Paving C
9. Concrete Paving D
10. Concrete Wall: ref. Structural
11A. Pavestone Concrete Paver A
11B. Pavestone Concrete Paver B
11C. Pavestone Concrete Paver C
11D. Pavestone Concrete Paver D
11E. Pavestone Concrete Paver E
12. Structural Concrete Masonry Unit Wall
13. Structural Fill: Reference Structural
14. Transformer/Switchgear: Ref. Civil
15. Drain Grate
16. Atrium Grate
17. Paver Grate
18. Metal Pergola
19. Metal Trellis
20. Trellis Above
21. Light Fixture Above
22. Metal Guard Rail
23. Metal Handrail
24. Metal Guard Rail and Handrail
25. Granite Bollard
26. Composite Decking
27. Concrete Pier: Locate in field to avoid conflict with existing tree roots - Ref. Structural
28. Structural Steel Beam: Ref. Structural
29. Structural Framing: Ref. Structural
30. Structural Steel Channel: Ref. Structural
31. Concrete walkway: Ref. Civil & Structural
32. Bridge: N.I.C. (Not In Contract)
33. Building Beyond: N.I.C. (Not In Contract)
34. Guardrail Beyond
35. Concrete Form Ties
36. Vertical Control Joints: Ref. Structural
37. Concrete Bench
38. Lake Edge Wall: Ref. Structural
39. Concrete Wall Beyond
40. Electrical: Ref. Civil
41. Concrete Curb - Reference structural
42. Access Panel - Reference structural
43. Vertical Control Joints: Ref. Structural
44. Concrete Weir: Reference Structural
45. Water
46. Hollow Metal Door and Frame
47. Existing Wooden Fence
48. Metal Gate
49. Limestone Boulder
50. Stone Veneer
60. Fully Grouted Beach Pebbles
61. Fountain: Ref. Fountain Consultant
62. Not Used
63. Fountain Pool: Ref. Fountain Consultant
64. Fountain Water Supply Line: Reference Fountain Consultant
65. Fountain Drain Line: Reference Fountain Consultant
66. Not used
67. Not used
68. Pedestal Drinking Fountain
69. Litter Receptacle
70. Bench
71. Pet Waste Disposal System
72. Bike Rack
73. Gravel
74. Limestone Slab

REGISTERED LANDSCAPE ARCHITECT KEVIN W. SLOAN 2296 STATE OF TEXAS

NO.	REVISION	BY	DATE

Addison TOWN OF ADDISON
DALLAS COUNTY, TEXAS

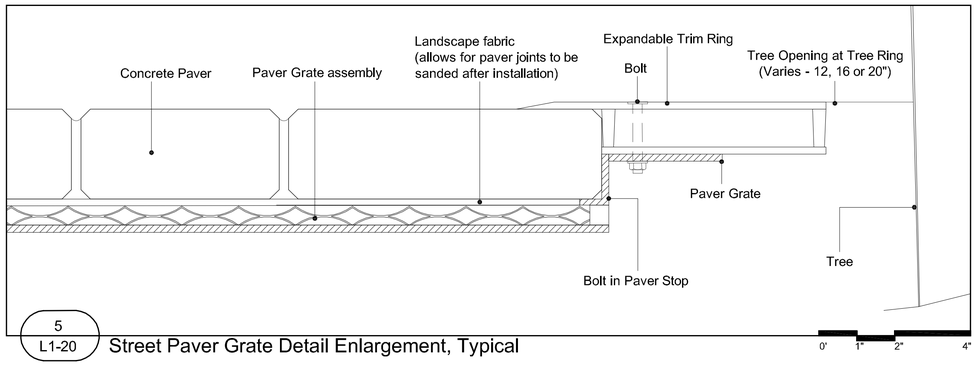
PARK AND STREETSCAPE IMPROVEMENTS
VITRUVIAN PARK

TYPICAL METAL GUARD RAIL-HANDRAIL DETAILS

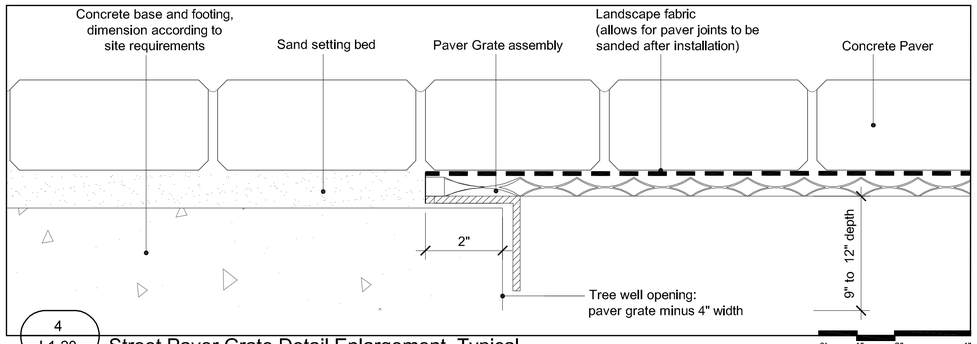
KEVIN SLOAN STUDIO
4145 Travis, Suite 105
Dallas, Texas 75204 (214) 379-1061

PROJECT	DESIGN	DRAWN	DATE	FILE	SHEET
5029-01	KWS	MM	APR 26, 2010	PW # 2009-04	L1-18

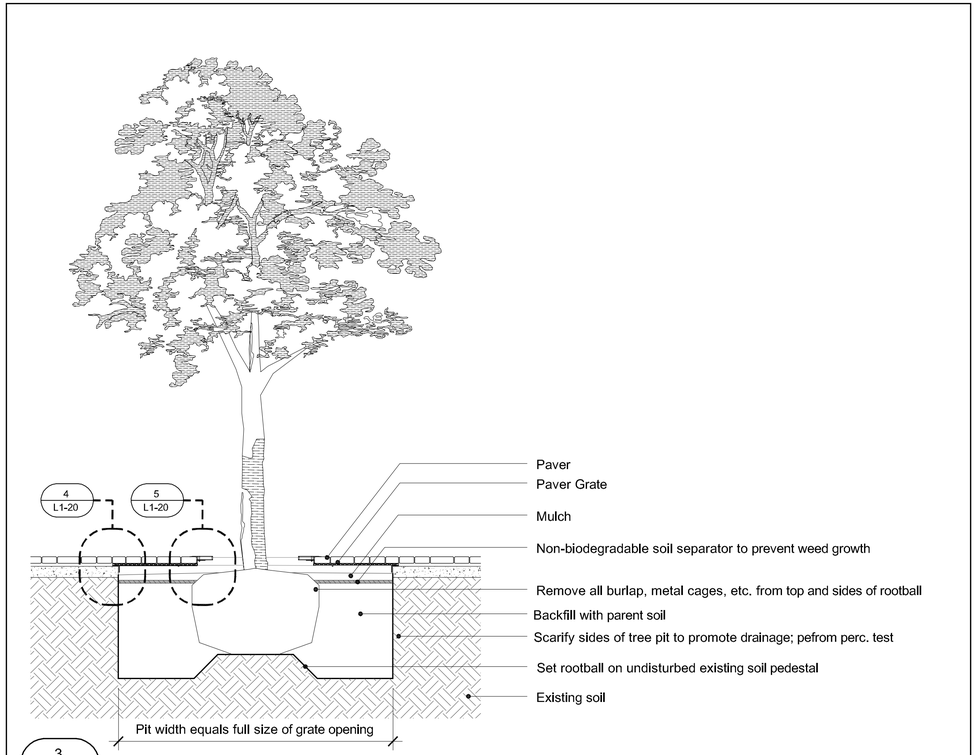
PARK AND STREETSCAPE IMPROVEMENTS - VITRUVIAN PARK



5 / L1-20 Street Paver Grate Detail Enlargement, Typical

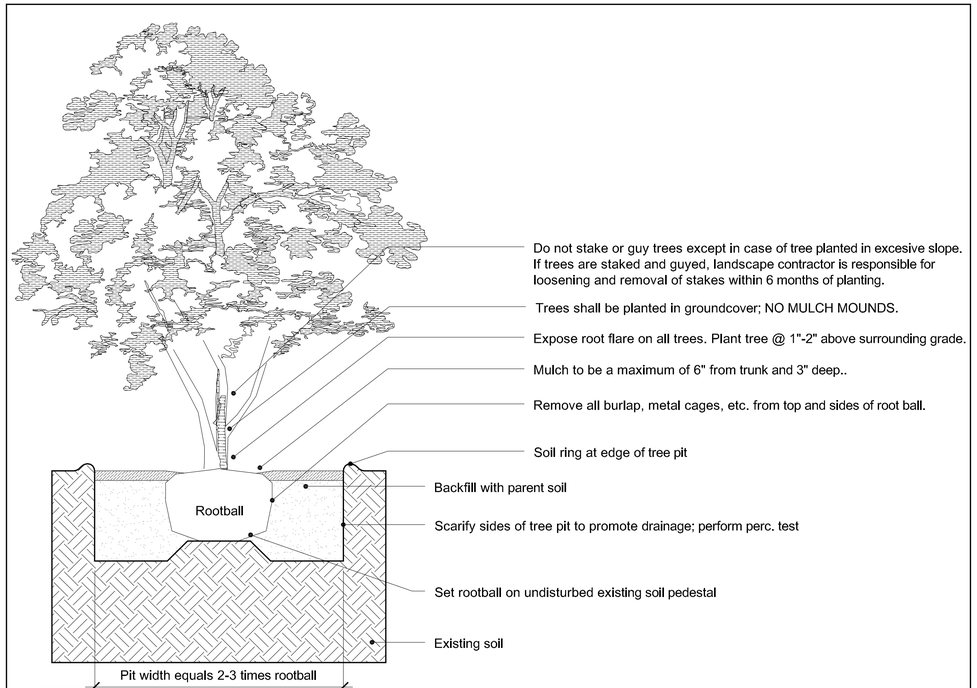


4 / L1-20 Street Paver Grate Detail Enlargement, Typical



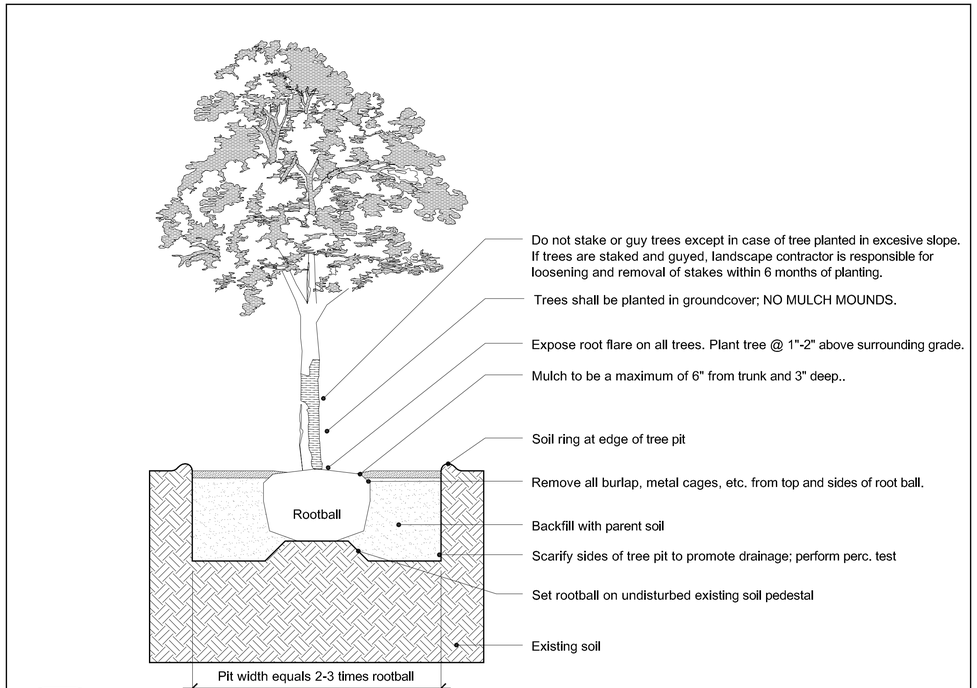
3 / L1-20 Tree in Paver Grate, Typical

NOT TO SCALE



2 / L1-20 Multi-Trunk Tree on Turf on Grade

NOT TO SCALE



1 / L1-20 Single Trunk Tree on Turf on Grade

NOT TO SCALE

GENERAL NOTE

Refer to sheet L1-01 Design Selection Summary for specific product, finishes, and colors.

Refer to sheets L1-12 & L1-13 for furniture and park element details.

LEGEND

1. Project Limit
2. Not in Contract (N.I.C.): Information provided for design intent only.
3. Planting Area: Ref. L10-00's & L11-00's
4. Expansion Joint: Ref. Civil for detail
5. Tooled Control Joint: Ref. Civil for detail
6. Concrete Paving A
7. Concrete Paving B
8. Concrete Paving C
9. Concrete Paving D
10. Concrete Wall: ref. Structural
11A. Pavestone Concrete Paver A
11B. Pavestone Concrete Paver B
11C. Pavestone Concrete Paver C
11D. Pavestone Concrete Paver D
11E. Pavestone Concrete Paver E
12. Structural Concrete Masonry Unit Wall
13. Structural Fill: Reference Structural
14. Transformer/Switchgear: Ref. Civil
15. Drain Grate
16. Atrium Grate
17. Paver Grate
18. Metal Pergola
19. Metal Trellis
20. Trellis Above
21. Light Fixture Above
22. Metal Guard Rail
23. Metal Handrail
24. Metal Guard Rail and Handrail
25. Granite Bollard
26. Composite Decking
27. Concrete Pier: Locate in field to avoid conflict with existing tree roots - Ref. Structural
28. Structural Steel Beam: Ref. Structural
29. Structural Framing: Ref. Structural
30. Structural Steel Channel: Ref. Structural
31. Concrete walkway: Ref. Civil & Structural
32. Bridge: N.I.C. (Not In Contract)
33. Building Beyond: N.I.C. (Not In Contract)
34. Guardrail Beyond
35. Concrete Form Ties
36. Vertical Control Joints: Ref. Structural
37. Concrete Bench
38. Lake Edge Wall: Ref. Structural
39. Concrete Wall Beyond
40. Electrical: Ref. Civil
41. Concrete Curb - Reference structural
42. Access Panel - Reference structural
43. Vertical Control Joints: Ref. Structural
44. Concrete Weir: Reference Structural
45. Water
46. Hollow Metal Door and Frame
47. Existing Wooden Fence
48. Metal Gate
49. Limestone Boulder
50. Stone Veneer
60. Fully Grouted Beach Pebbles
61. Fountain: Ref. Fountain Consultant
62. Not Used
63. Fountain Pool: Ref. Fountain Consultant
64. Fountain Water Supply Line: Reference Fountain Consultant
65. Fountain Drain Line: Reference Fountain Consultant
66. Not used
67. Not used
68. Pedestal Drinking Fountain
69. Litter Receptacle
70. Bench
71. Pet Waste Disposal System
72. Bike Rack
73. Gravel
74. Limestone Slab

REGISTERED LANDSCAPE ARCHITECT
KEVIN W. SLOAN
2296
STATE OF TEXAS

NO.	REVISION	BY	DATE

TOWN OF ADDISON
DALLAS COUNTY, TEXAS

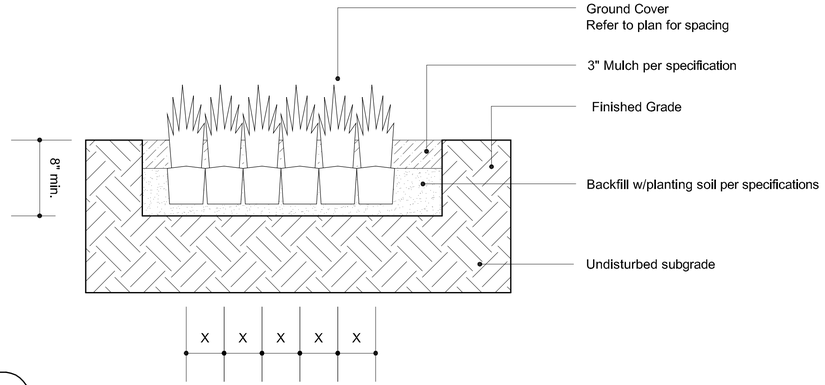
PARK AND STREETSCAPE IMPROVEMENTS
VITRUVIAN PARK

TYPICAL SOFTSCAPE DETAILS

KEVIN SLOAN STUDIO
4145 Travis, Suite 105
Dallas, Texas 75204 (214) 379-1061

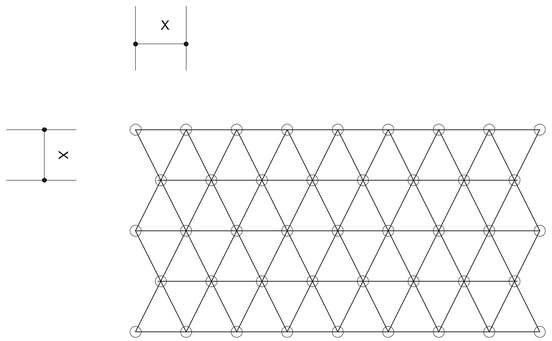
PROJECT	DESIGN	DRAWN	DATE	FILE	SHEET
5029-01	KWS	MM	APR 26, 2010	PW # 2009-04	L1-20

PARK AND STREETSCAPE IMPROVEMENTS - VITRUVIAN PARK



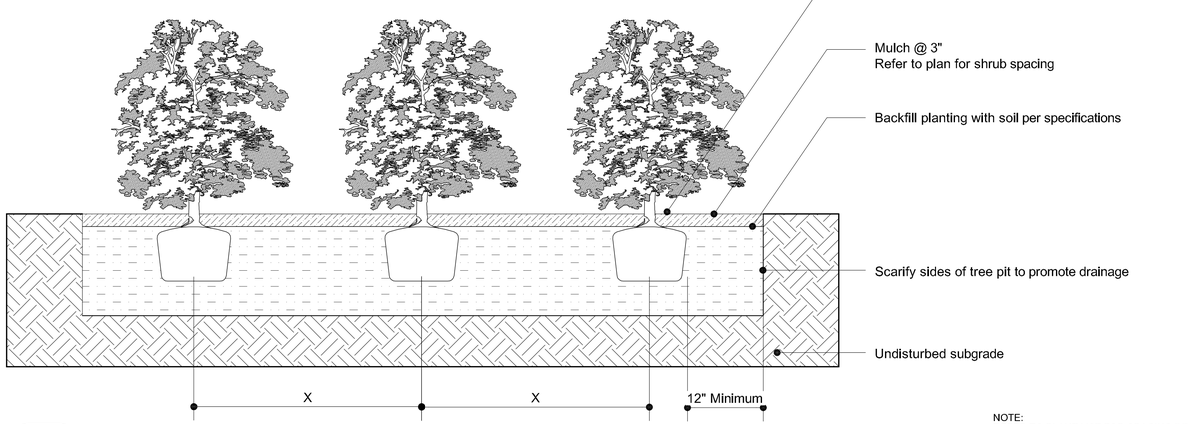
4 L1-21 Groundcover Section, Typical

NOT TO SCALE



3 L1-21 Groundcover Plan, Typical

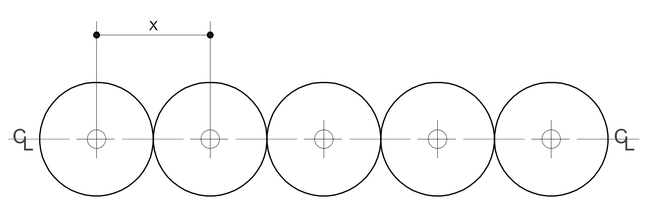
NOT TO SCALE



NOTE:
REFER TO PLANT LIST FOR SPACING "X"

2 L1-21 Shrub Section, Typical

NOT TO SCALE



NOTE:
REFER TO PLANT LIST FOR SPACING "X"

1 L1-21 Shrub Plan, Typical

NOT TO SCALE

GENERAL NOTE

Refer to sheet L1-01 Design Selection Summary for specific product, finishes, and colors.

Refer to sheets L1-12 & L1-13 for furniture and park element details.

LEGEND

1. Project Limit
2. Not in Contract (N.I.C.): Information provided for design intent only.
3. Planting Area: Ref. L10-00's & L11-00's
4. Expansion Joint: Ref. Civil for detail
5. Tooled Control Joint: Ref. Civil for detail
6. Concrete Paving A
7. Concrete Paving B
8. Concrete Paving C
9. Concrete Paving D
10. Concrete Wall: ref. Structural
11A. Pavestone Concrete Paver A
11B. Pavestone Concrete Paver B
11C. Pavestone Concrete Paver C
11D. Pavestone Concrete Paver D
11E. Pavestone Concrete Paver E
12. Structural Concrete Masonry Unit Wall
13. Structural Fill: Reference Structural
14. Transformer/Switchgear: Ref. Civil
15. Drain Grate
16. Atrium Grate
17. Paver Grate
18. Metal Pergola
19. Metal Trellis
20. Trellis Above
21. Light Fixture Above
22. Metal Guard Rail
23. Metal Handrail
24. Metal Guard Rail and Handrail
25. Granite Bollard
26. Composite Decking
27. Concrete Pier: Locate in field to avoid conflict with existing tree roots - Ref. Structural
28. Structural Steel Beam: Ref. Structural
29. Structural Framing: Ref. Structural
30. Structural Steel Channel: Ref. Structural
31. Concrete walkway: Ref. Civil & Structural
32. Bridge: N.I.C. (Not In Contract)
33. Building Beyond: N.I.C. (Not In Contract)
34. Guardrail Beyond
35. Concrete Form Ties
36. Vertical Control Joints: Ref. Structural
37. Concrete Bench
38. Lake Edge Wall: Ref. Structural
39. Concrete Wall Beyond
40. Electrical: Ref. Civil
41. Concrete Curb - Reference structural
42. Access Panel - Reference structural
43. Vertical Control Joints: Ref. Structural
44. Concrete Weir: Reference Structural
45. Water
46. Hollow Metal Door and Frame
47. Existing Wooden Fence
48. Metal Gate
49. Limestone Boulder
50. Stone Veneer
60. Fully Grouted Beach Pebbles
61. Fountain: Ref. Fountain Consultant
62. Not Used
63. Fountain Pool: Ref. Fountain Consultant
64. Fountain Water Supply Line: Reference Fountain Consultant
65. Fountain Drain Line: Reference Fountain Consultant
66. Not used
67. Not used
68. Pedestal Drinking Fountain
69. Litter Receptacle
70. Bench
71. Pet Waste Disposal System
72. Bike Rack
73. Gravel
74. Limestone Slab

REGISTERED LANDSCAPE ARCHITECT
KEVIN W. SLOAN
2296
STATE OF TEXAS

NO.	REVISION	BY	DATE

TOWN OF ADDISON
DALLAS COUNTY, TEXAS

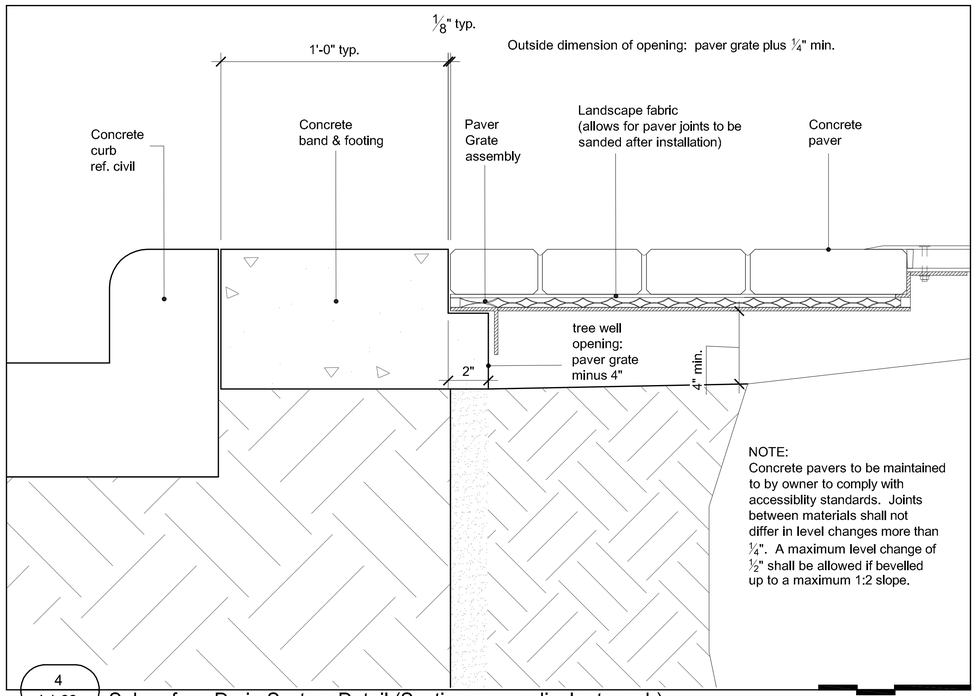
PARK AND STREETSCAPE IMPROVEMENTS
VITRUVIAN PARK

TYPICAL SOFTSCAPE DETAILS

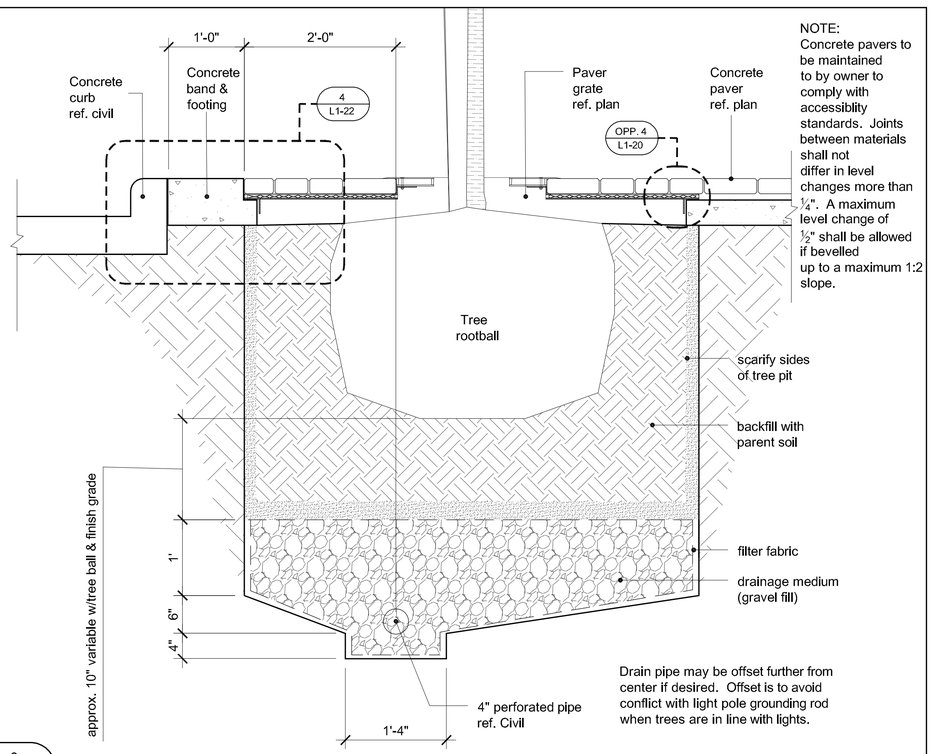
KEVIN SLOAN STUDIO
4145 Travis, Suite 105
Dallas, Texas 75204 (214) 379-1061

PROJECT	DESIGN	DRAWN	DATE	FILE	SHEET
5029-01	KWS	MM	APR 26, 2010	PW # 2009-04	L1-21

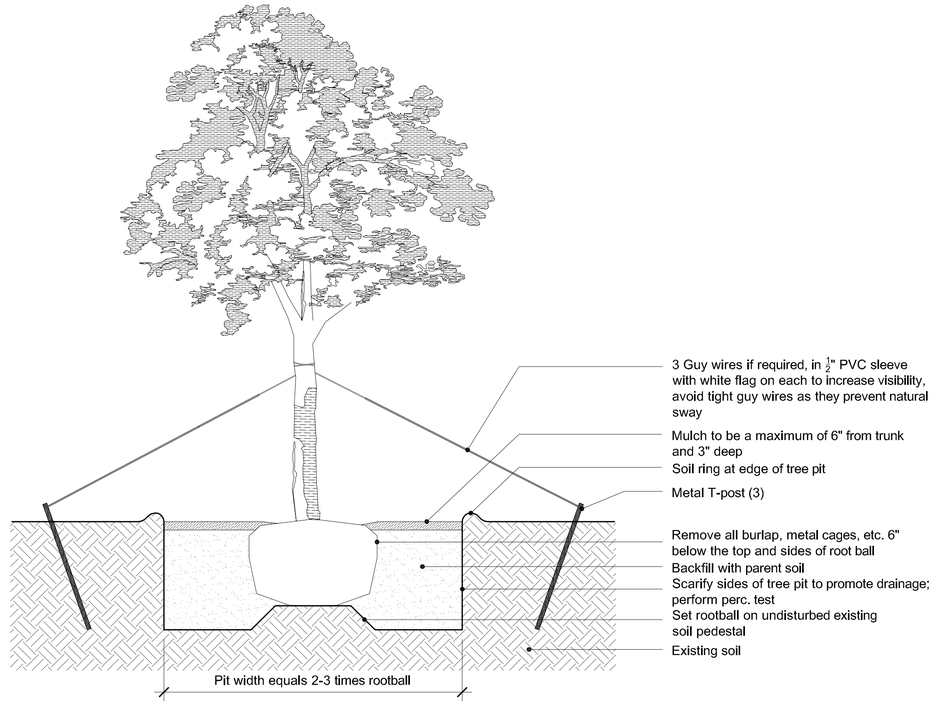
PARK AND STREETSCAPE IMPROVEMENTS - VITRUVIAN PARK



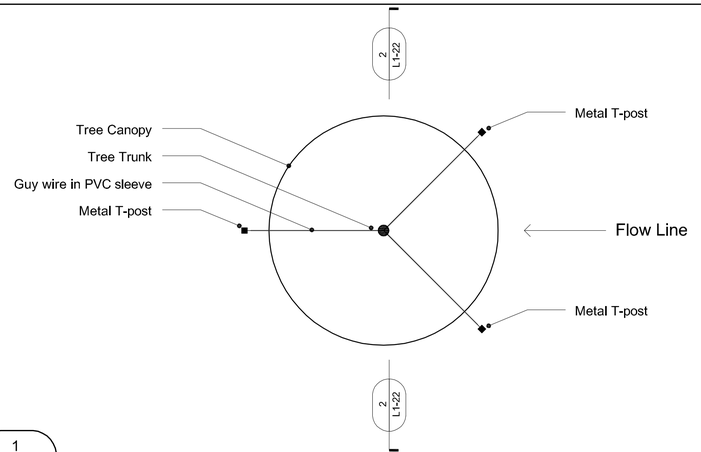
4 L1-22 Subsurface Drain System Detail (Section perpendicular to curb)



3 L1-22 Subsurface Drain System Detail (Section perpendicular to curb)



2 L1-22 Tree Staking Detail, Typical NOT TO SCALE



1 L1-22 Tree Staking Plan, Typical NOT TO SCALE

REGISTERED LANDSCAPE ARCHITECT KEVIN W. SLOAN 2296 STATE OF TEXAS

NO.	REVISION	BY	DATE

Addison TOWN OF ADDISON
DALLAS COUNTY, TEXAS

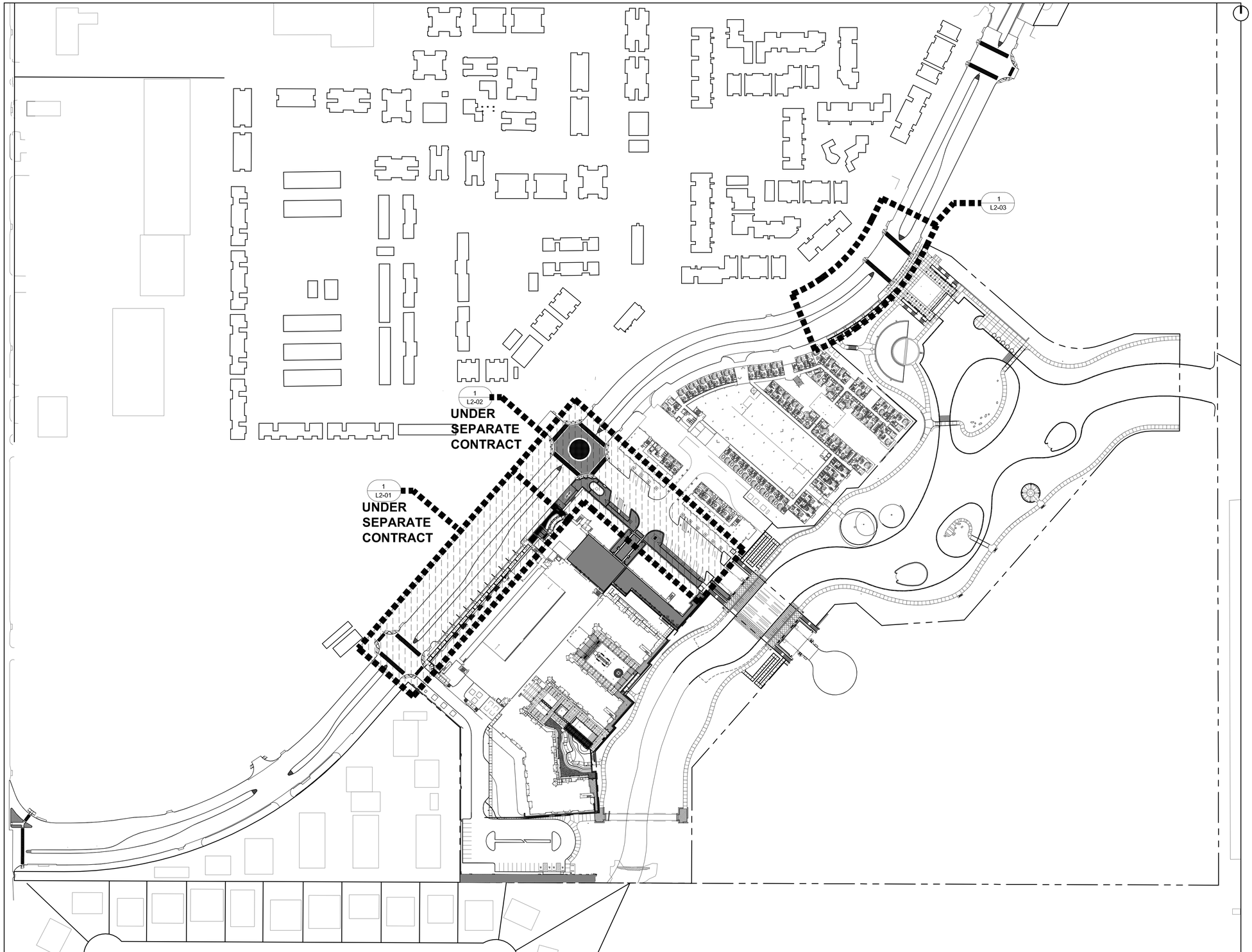
PARK AND STREETSCAPE IMPROVEMENTS
VITRUVIAN PARK

TYPICAL SOFTSCAPE DETAILS

KEVIN SLOAN STUDIO
4145 Travis, Suite 105
Dallas, Texas 75204 (214) 379-1061

PROJECT	DESIGN	DRAWN	DATE	FILE	SHEET
5029-01	KWS	MM	APR 26, 2010	PW # 2009-04	L1-22

PARK AND STREETSCAPE IMPROVEMENTS - VITRUVIAN PARK



1
L2-00 Streetscape & Infrastructure Furnishings & Elements Cover Sheet

GENERAL NOTE

Refer to sheet L1-01 Design Selection Summary for specific product, finishes, and colors.

Refer to sheets L1-12 & L1-13 for furniture and park element details.

LEGEND

1. Project Limit
2. Not in Contract (N.I.C.): Information provided for design intent only.
3. Planting Area: Ref. L10-00's & L11-00's
4. Expansion Joint: Ref. Civil for detail
5. Tooled Control Joint: Ref. Civil for detail
6. Concrete Paving A
7. Concrete Paving B
8. Concrete Paving C
9. Concrete Paving D
10. Concrete Wall: ref. Structural
11A. Pavestone Concrete Paver A
11B. Pavestone Concrete Paver B
11C. Pavestone Concrete Paver C
11D. Pavestone Concrete Paver D
11E. Pavestone Concrete Paver E
12. Structural Concrete Masonry Unit Wall
13. Structural Fill: Reference Structural
14. Transformer/Switchgear: Ref. Civil
15. Drain Grate
16. Atrium Grate
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18. Metal Pergola
19. Metal Trellis
20. Trellis Above
21. Light Fixture Above
22. Metal Guard Rail
23. Metal Handrail
24. Metal Guard Rail and Handrail
25. Granite Bollard
26. Composite Decking
27. Concrete Pier: Locate in field to avoid conflict with existing tree roots - Ref. Structural
28. Structural Steel Beam: Ref. Structural
29. Structural Framing: Ref. Structural
30. Structural Steel Channel: Ref. Structural
31. Concrete walkway: Ref. Civil & Structural
32. Bridge: N.I.C. (Not In Contract)
33. Building Beyond: N.I.C. (Not In Contract)
34. Guardrail Beyond
35. Concrete Form Ties
36. Vertical Control Joints: Ref. Structural
37. Concrete Bench
38. Lake Edge Wall: Ref. Structural
39. Concrete Wall Beyond
40. Electrical: Ref. Civil
41. Concrete Curb - Reference structural
42. Access Panel - Reference structural
43. Vertical Control Joints: Ref. Structural
44. Concrete Weir: Reference Structural
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46. Hollow Metal Door and Frame
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60. Fully Grouted Beach Pebbles
61. Not Used
62. Not Used
63. Fountain Pool: Ref. Fountain Consultant
64. Fountain Water Supply Line: Reference Fountain Consultant
65. Fountain Drain Line: Reference Fountain Consultant
66. Not used
67. Not used
68. Pedestal Drinking Fountain
69. Litter Receptacle
70. Bench
71. Pet Waste Disposal System
72. Bike Rack
73. Gravel
74. Limestone Slab

LIGHTING

- SA (1,2,3,4,5,6,7,8,9) Pole Mount - ref. Civil
- SB Pole Mount - ref. Civil
- SC Wall Recessed - ref. Civil
- SE Suspended Strand - ref. Civil
- SE-1 Suspended Strand - ref. Civil
- SE-T Direct Imbedded Trans - ref. Civil
- SK1 Surface Mount - ref. Civil
- SK2 Surface Mount - ref. Civil
- L4 Pole Mount - ref. Civil
- L5 Ceiling Mount - ref. Civil

REGISTERED LANDSCAPE ARCHITECT
KEVIN W. SLOAN
2296
STATE OF TEXAS

NO.	REVISION	BY	DATE

TOWN OF ADDISON
DALLAS COUNTY, TEXAS

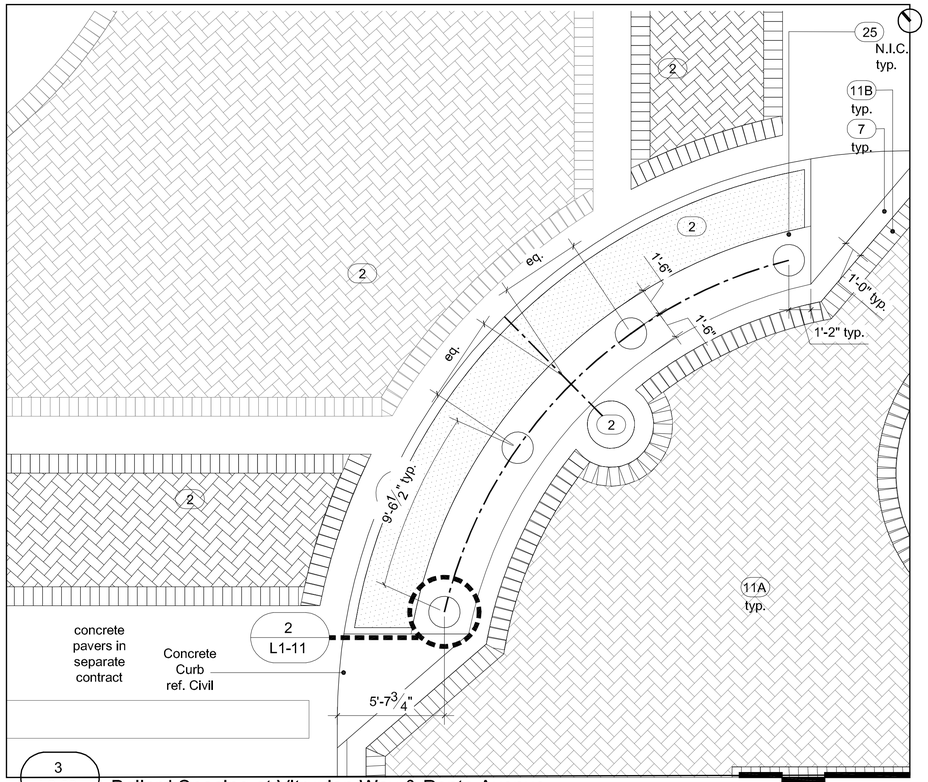
PARK AND STREETSCAPE IMPROVEMENTS
VITRUVIAN PARK

STREETSCAPE & INFRASTRUCTURE FURNISHINGS & ELEMENTS COVER SHEET

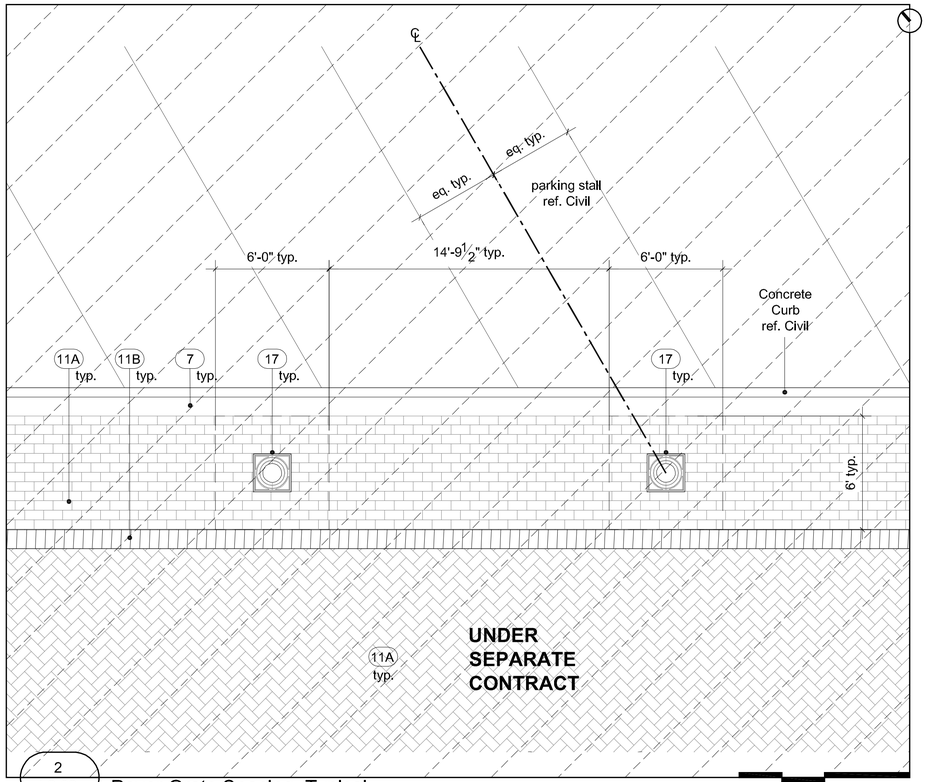
KEVIN SLOAN STUDIO
4145 Travis, Suite 105
Dallas, Texas 75204 (214) 379-1061

PROJECT	DESIGN	DRAWN	DATE	FILE	SHEET
5029-01	KWS	MM	APR 26, 2010	PW # 2009-04	L2-00

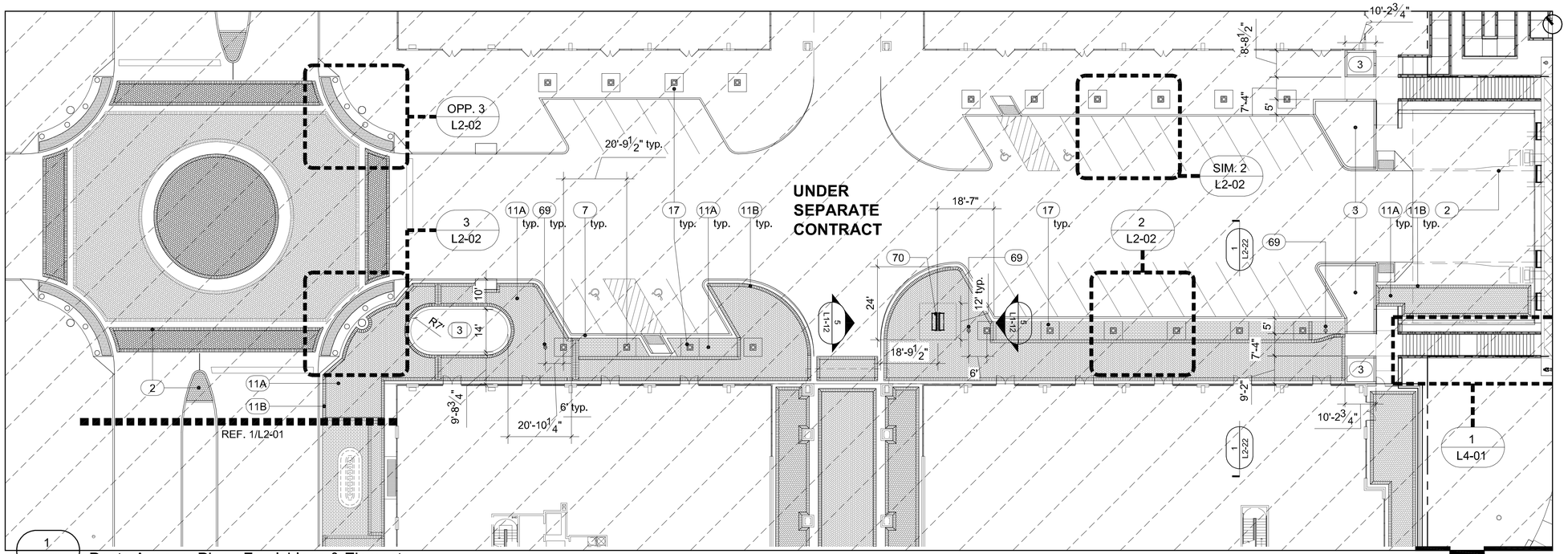
PARK AND STREETSCAPE IMPROVEMENTS - VITRUVIAN PARK



3 L2-02 Bollard Spacing at Vitruvian Way & Ponte Avenue



2 L2-02 Paver Grate Spacing, Typical



1 L2-02 Ponte Avenue, Plan - Furnishings & Elements

GENERAL NOTE

Refer to sheet L1-01 Design Selection Summary for specific product, finishes, and colors.

Refer to sheets L1-12 & L1-13 for furniture and park element details.

LEGEND

1. Project Limit
2. Not in Contract (N.I.C.): Information provided for design intent only.
3. Planting Area: Ref. L10-00's & L11-00's
4. Expansion Joint: Ref. Civil for detail
5. Tooled Control Joint: Ref. Civil for detail
6. Concrete Paving A
7. Concrete Paving B
8. Concrete Paving C
9. Concrete Paving D
10. Concrete Wall: ref. Structural
11A. Pavestone Concrete Paver A
11B. Pavestone Concrete Paver B
11C. Pavestone Concrete Paver C
11D. Pavestone Concrete Paver D
11E. Pavestone Concrete Paver E
12. Structural Concrete Masonry Unit Wall
13. Structural Fill: Reference Structural
14. Transformer/Switchgear: Ref. Civil
15. Drain Grate
16. Atrium Grate
17. Paver Grate
18. Metal Pergola
19. Metal Trellis
20. Trellis Above
21. Light Fixture Above
22. Metal Guard Rail
23. Metal Handrail
24. Metal Guard Rail and Handrail
25. Granite Bollard
26. Composite Decking
27. Concrete Pier: Locate in field to avoid conflict with existing tree roots - Ref. Structural
28. Structural Steel Beam: Ref. Structural
29. Structural Framing: Ref. Structural
30. Structural Steel Channel: Ref. Structural
31. Concrete walkway: Ref. Civil & Structural
32. Bridge: N.I.C. (Not In Contract)
33. Building Beyond: N.I.C. (Not In Contract)
34. Guardrail Beyond
35. Concrete Form Ties
36. Vertical Control Joints: Ref. Structural
37. Concrete Bench
38. Lake Edge Wall: Ref. Structural
39. Concrete Wall Beyond
40. Electrical: Ref. Civil
41. Concrete Curb - Reference structural
42. Access Panel - Reference structural
43. Vertical Control Joints: Ref. Structural
44. Concrete Weir: Reference Structural
45. Water
46. Hollow Metal Door and Frame
47. Existing Wooden Fence
48. Metal Gate
49. Limestone Boulder
50. Stone Veneer
60. Fully Grouted Beach Pebbles
61. Not Used
62. Not Used
63. Fountain Pool: Ref. Fountain Consultant
64. Fountain Water Supply Line: Reference Fountain Consultant
65. Fountain Drain Line: Reference Fountain Consultant
66. Not used
67. Not used
68. Pedestal Drinking Fountain
69. Litter Receptacle
70. Bench
71. Pet Waste Disposal System
72. Bike Rack
73. Gravel
74. Limestone Slab

LIGHTING

- SA (1,2,3,4,5,6,7,8,9) Pole Mount - ref. Civil
- SB Pole Mount - ref. Civil
- SC Wall Recessed - ref. Civil
- SE Suspended Strand - ref. Civil
- SE-1 Suspended Strand - ref. Civil
- SE-1 Direct Imbedded Trans - ref. Civil
- SK1 Surface Mount - ref. Civil
- SK2 Surface Mount - ref. Civil
- L4 Pole Mount - ref. Civil
- L5 Ceiling Mount - ref. Civil

REGISTERED LANDSCAPE ARCHITECT
KEVIN W. SLOAN
2296
STATE OF TEXAS

NO.	REVISION	BY	DATE

Addison TOWN OF ADDISON
DALLAS COUNTY, TEXAS

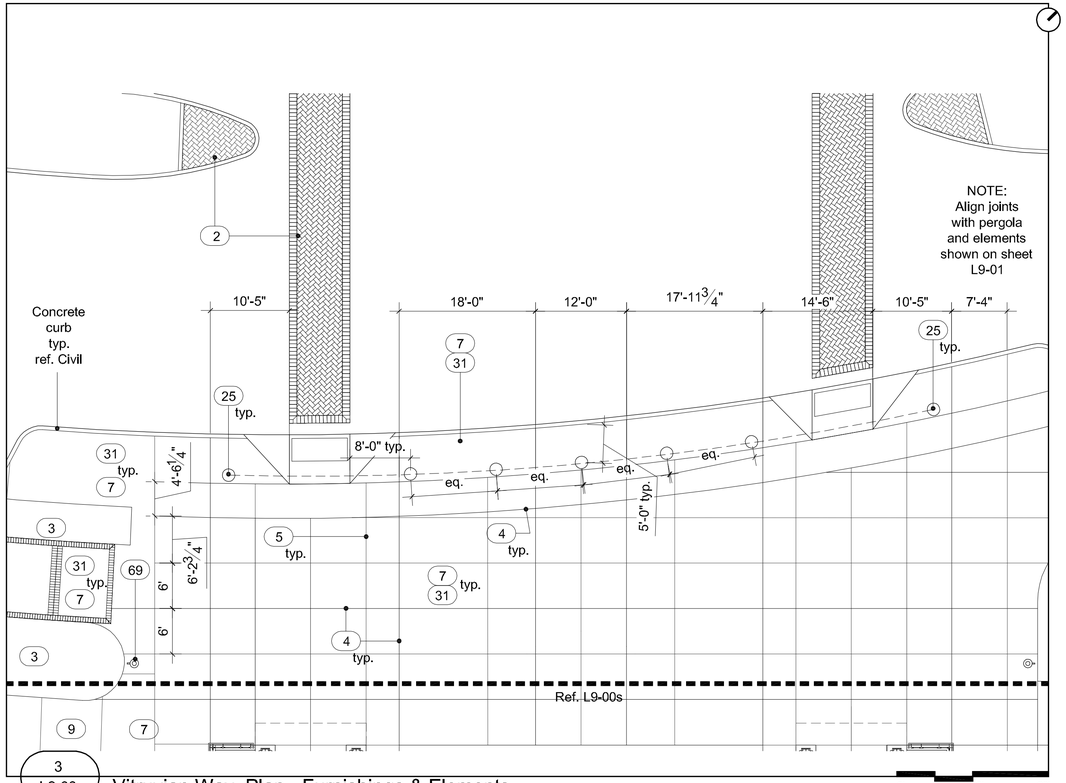
PARK AND STREETSCAPE IMPROVEMENTS
VITRUVIAN PARK

PONTE AVENUE
PLAN - FURNISHINGS & ELEMENTS

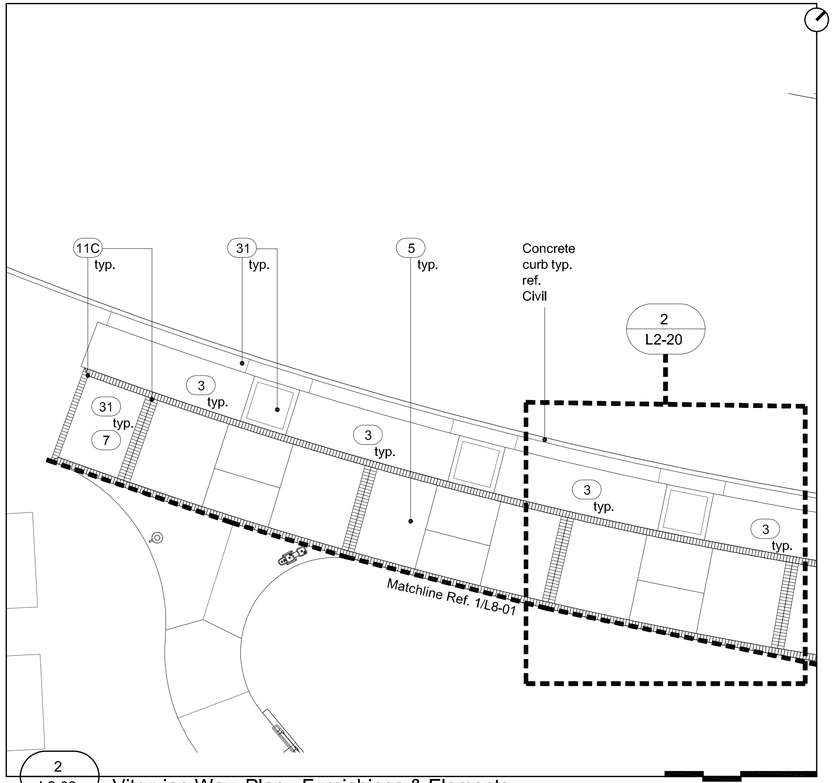
KEVIN SLOAN STUDIO
4145 Travis, Suite 105
Dallas, Texas 75204 (214) 379-1061

PROJECT	DESIGN	DRAWN	DATE	FILE	SHEET
5029-01	KWS	JP	APR 26, 2010	PW # 2009-04	L2-02

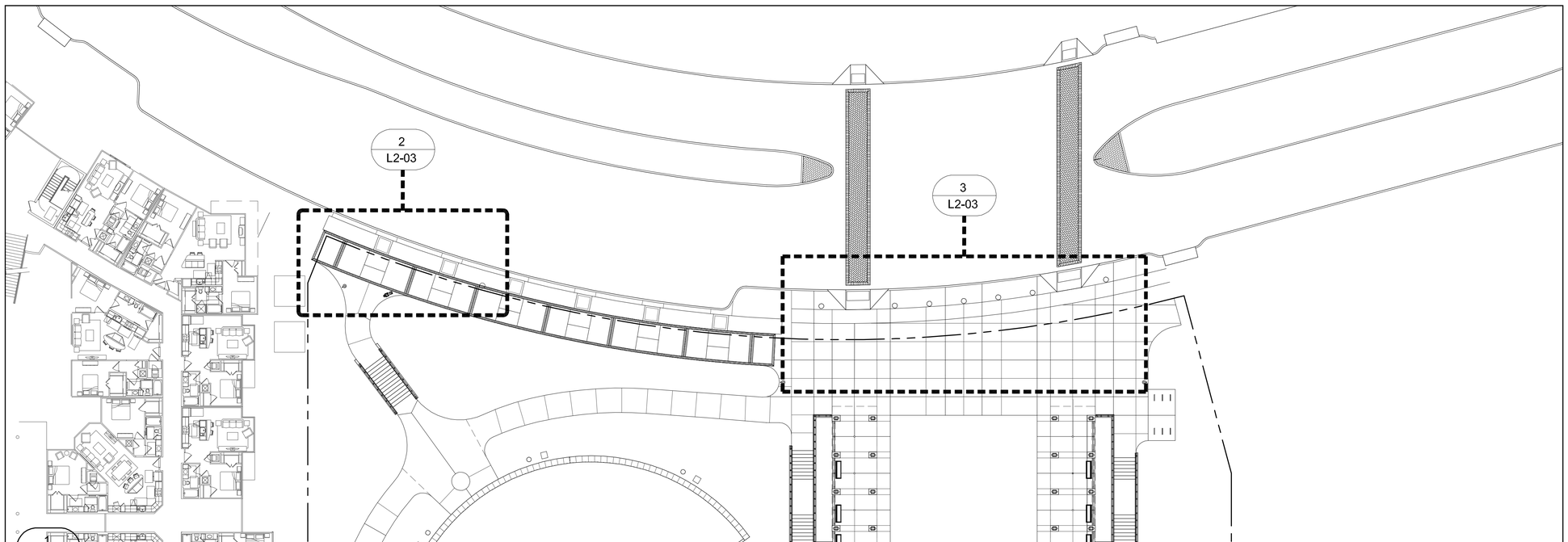
PARK AND STREETSCAPE IMPROVEMENTS - VITRUVIAN PARK



3 L2-03 Vitruvian Way, Plan - Furnishings & Elements



2 L2-03 Vitruvian Way, Plan - Furnishings & Elements



1 L2-03 Vitruvian Way, Plan - Furnishings & Elements

GENERAL NOTE

Refer to sheet L1-01 Design Selection Summary for specific product, finishes, and colors.

Refer to sheets L1-12 & L1-13 for furniture and park element details.

LEGEND

1. Project Limit
2. Not in Contract (N.I.C.): Information provided for design intent only.
3. Planting Area: Ref. L10-00's & L11-00's
4. Expansion Joint: Ref. Civil for detail
5. Tooled Control Joint: Ref. Civil for detail
6. Concrete Paving A
7. Concrete Paving B
8. Concrete Paving C
9. Concrete Paving D
10. Concrete Wall: ref. Structural
11A. Pavestone Concrete Paver A
11B. Pavestone Concrete Paver B
11C. Pavestone Concrete Paver C
11D. Pavestone Concrete Paver D
11E. Pavestone Concrete Paver E
12. Structural Concrete Masonry Unit Wall
13. Structural Fill: Reference Structural
14. Transformer/Switchgear: Ref. Civil
15. Drain Grate
16. Atrium Grate
17. Paver Grate
18. Metal Pergola
19. Metal Trellis
20. Trellis Above
21. Light Fixture Above
22. Metal Guard Rail
23. Metal Handrail
24. Metal Guard Rail and Handrail
25. Granite Bollard
26. Composite Decking
27. Concrete Pier: Locate in field to avoid conflict with existing tree roots - Ref. Structural
28. Structural Steel Beam: Ref. Structural
29. Structural Framing: Ref. Structural
30. Structural Steel Channel: Ref. Structural
31. Concrete walkway: Ref. Civil & Structural
32. Bridge: N.I.C. (Not In Contract)
33. Building Beyond: N.I.C. (Not In Contract)
34. Guardrail Beyond
35. Concrete Form Ties
36. Vertical Control Joints: Ref. Structural
37. Concrete Bench
38. Lake Edge Wall: Ref. Structural
39. Concrete Wall Beyond
40. Electrical: Ref. Civil
41. Concrete Curb - Reference structural
42. Access Panel - Reference structural
43. Vertical Control Joints: Ref. Structural
44. Concrete Weir: Reference Structural
45. Water
46. Hollow Metal Door and Frame
47. Existing Wooden Fence
48. Metal Gate
49. Limestone Boulder
50. Stone Veneer
60. Fully Grouted Beach Pebbles
61. Not Used
62. Not Used
63. Fountain Pool: Ref. Fountain Consultant
64. Fountain Water Supply Line: Reference Fountain Consultant
65. Fountain Drain Line: Reference Fountain Consultant
66. Not used
67. Not used
68. Pedestal Drinking Fountain
69. Litter Receptacle
70. Bench
71. Pet Waste Disposal System
72. Bike Rack
73. Gravel
74. Limestone Slab

LIGHTING

- SA (1,2,3,4,5,6,7,8,9) Pole Mount - ref. Civil
- SB Pole Mount - ref. Civil
- SC Wall Recessed - ref. Civil
- SE Suspended Strand - ref. Civil
- SE-1 Suspended Strand - ref. Civil
- SE-1 Direct Imbedded Trans - ref. Civil
- SK1 Surface Mount - ref. Civil
- SK2 Surface Mount - ref. Civil
- L4 Pole Mount - ref. Civil
- L5 Ceiling Mount - ref. Civil

REGISTERED LANDSCAPE ARCHITECT
KEVIN W. SLOAN
2296
STATE OF TEXAS

NO.	REVISION	BY	DATE

TOWN OF ADDISON
DALLAS COUNTY, TEXAS

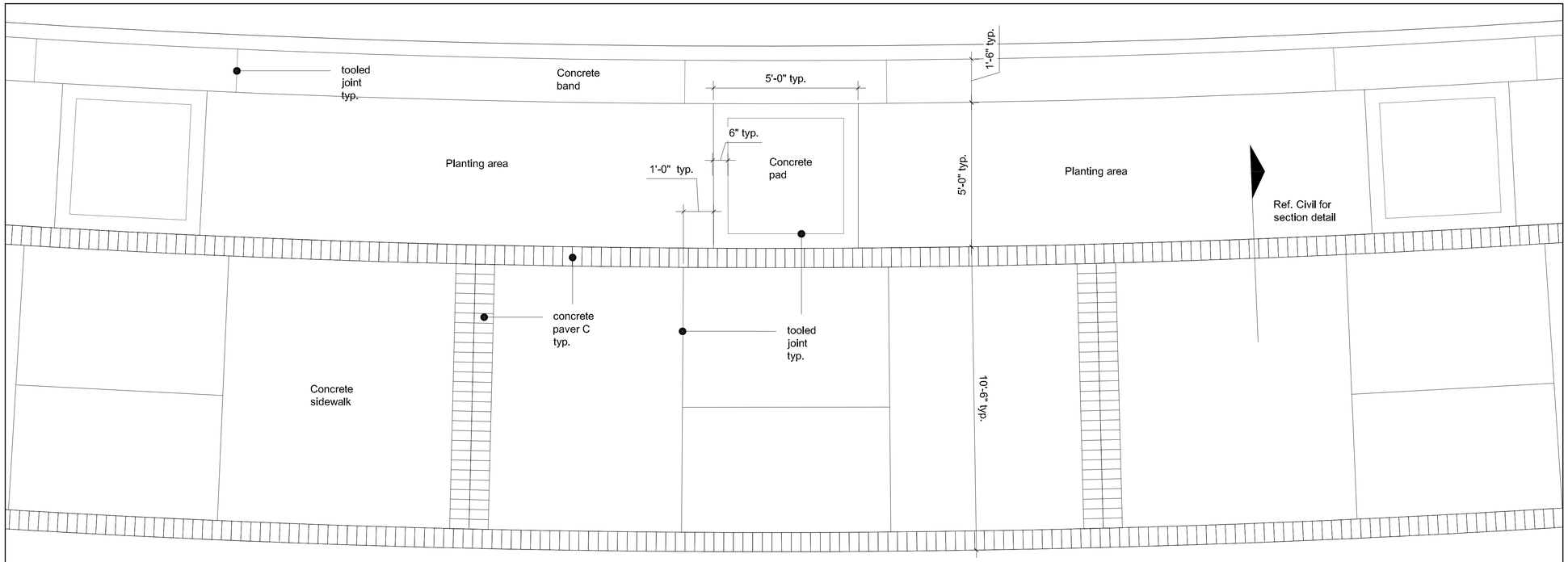
PARK AND STREETSCAPE IMPROVEMENTS
VITRUVIAN PARK

VITRUVIAN WAY
PLAN - FURNISHINGS & ELEMENTS

KEVIN SLOAN STUDIO
4145 Travis, Suite 105
Dallas, Texas 75204 (214) 379-1061

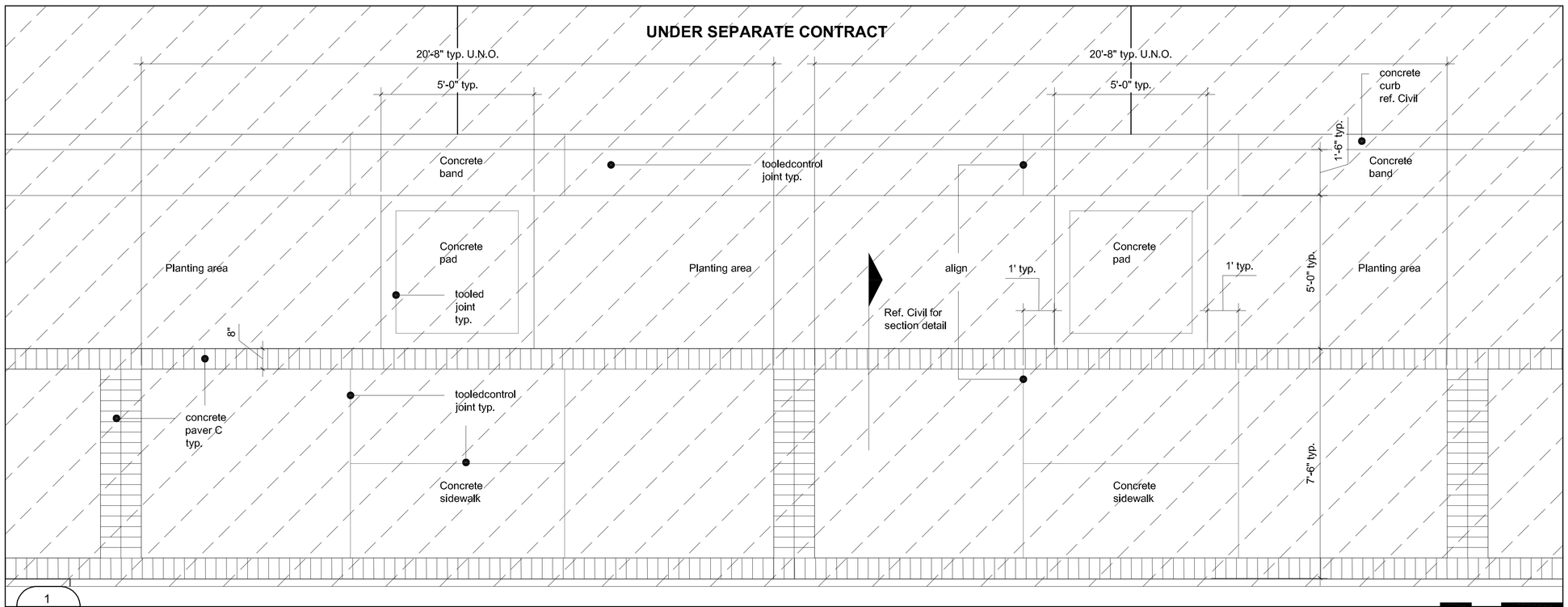
PROJECT	DESIGN	DRAWN	DATE	FILE	SHEET
5029-01	KWS	MM	APR 26, 2010	PW # 2009-04	L2-03

PARK AND STREETSCAPE IMPROVEMENTS - VITRUVIAN PARK



2
L2-20 Vitruvian Way - Sidewalk Paver Plan detail

0' 1' 2' 4'



1
L2-20 Vitruvian Way - Sidewalk Paver Plan detail

0' 1' 2' 4'

GENERAL NOTE

Refer to sheet L1-01 Design Selection Summary for specific product, finishes, and colors.

Refer to sheets L1-12 & L1-13 for furniture and park element details.

LEGEND

1. Project Limit
2. Not in Contract (N.I.C.): Information provided for design intent only.
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5. Tooled Control Joint: Ref. Civil for detail
6. Concrete Paving A
7. Concrete Paving B
8. Concrete Paving C
9. Concrete Paving D
10. Concrete Wall: ref. Structural
11A. Pavestone Concrete Paver A
11B. Pavestone Concrete Paver B
11C. Pavestone Concrete Paver C
11D. Pavestone Concrete Paver D
11E. Pavestone Concrete Paver E
12. Structural Concrete Masonry Unit Wall
13. Structural Fill: Reference Structural
14. Transformer/Switchgear: Ref. Civil
15. Drain Grate
16. Atrium Grate
17. Paver Grate
18. Metal Pergola
19. Metal Trellis
20. Trellis Above
21. Light Fixture Above
22. Metal Guard Rail
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24. Metal Guard Rail and Handrail
25. Granite Bollard
26. Composite Decking
27. Concrete Pier: Locate in field to avoid conflict with existing tree roots - Ref. Structural
28. Structural Steel Beam: Ref. Structural
29. Structural Framing: Ref. Structural
30. Structural Steel Channel: Ref. Structural
31. Concrete walkway: Ref. Civil & Structural
32. Bridge: N.I.C. (Not In Contract)
33. Building Beyond: N.I.C. (Not In Contract)
34. Guardrail Beyond
35. Concrete Form Ties
36. Vertical Control Joints: Ref. Structural
37. Concrete Bench
38. Lake Edge Wall: Ref. Structural
39. Concrete Wall Beyond
40. Electrical: Ref. Civil
41. Concrete Curb - Reference structural
42. Access Panel - Reference structural
43. Vertical Control Joints: Ref. Structural
44. Concrete Weir: Reference Structural
45. Water
46. Hollow Metal Door and Frame
47. Existing Wooden Fence
48. Metal Gate
49. Limestone Boulder
50. Stone Veneer
60. Fully Grouted Beach Pebbles
61. Not Used
62. Not Used
63. Fountain Pool: Ref. Fountain Consultant
64. Fountain Water Supply Line: Reference Fountain Consultant
65. Fountain Drain Line: Reference Fountain Consultant
66. Not used
67. Not used
68. Pedestal Drinking Fountain
69. Litter Receptacle
70. Bench
71. Pet Waste Disposal System
72. Bike Rack
73. Gravel
74. Limestone Slab

LIGHTING

- SA (1,2,3,4,5,6,7,8,9) Pole Mount - ref. Civil
- SB Pole Mount - ref. Civil
- SC Wall Recessed - ref. Civil
- SE Suspended Strand - ref. Civil
- SE-1 Suspended Strand - ref. Civil
- SE-1 Direct Imbedded Trans - ref. Civil
- SK1 Surface Mount - ref. Civil
- SK2 Surface Mount - ref. Civil
- L4 Pole Mount - ref. Civil
- L5 Ceiling Mount - ref. Civil

REGISTERED LANDSCAPE ARCHITECT KEVIN W. SLOAN 2296 STATE OF TEXAS

NO.	REVISION	BY	DATE

Addison TOWN OF ADDISON
DALLAS COUNTY, TEXAS

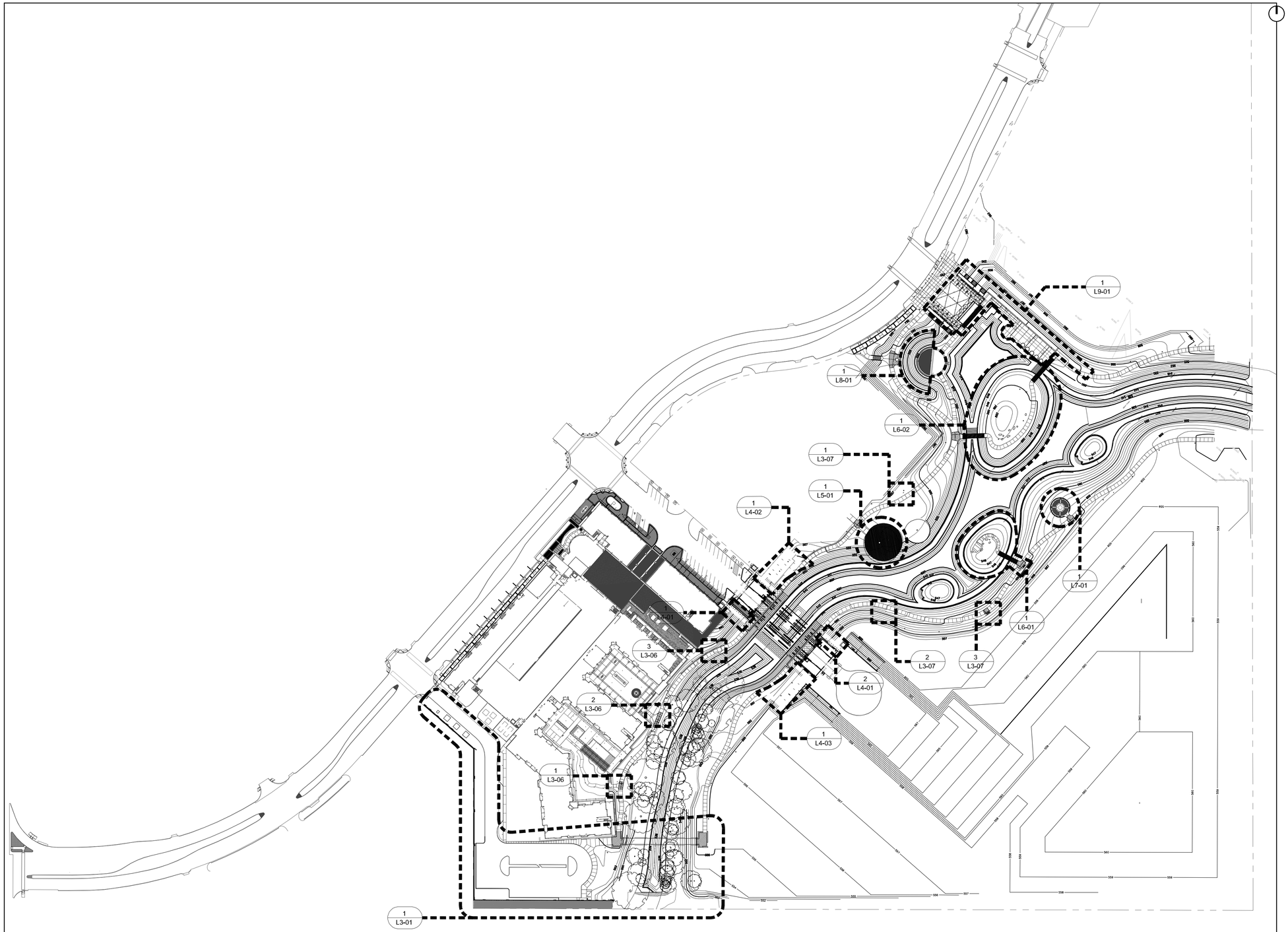
PARK AND STREETSCAPE IMPROVEMENTS
VITRUVIAN PARK

VITRUVIAN WAY SIDEWALK PAVER PLAN DETAIL

KEVIN SLOAN STUDIO
4145 Travis, Suite 105
Dallas, Texas 75204 (214) 379-1061

PROJECT	DESIGN	DRAWN	DATE	FILE	SHEET
5029-01	KWS	MM	APR 26, 2010	PW # 2009-04	L2-20

PARK AND STREETSCAPE IMPROVEMENTS - VITRUVIAN PARK



1
L3-00
Vitruvian Park Furnishings & Elements Cover Sheet

GENERAL NOTE

Refer to sheet L1-01 Design Selection Summary for specific product, finishes, and colors.

Refer to sheets L1-12 & L1-13 for furniture and park element details.

LEGEND

1. Project Limit
2. Not in Contract (N.I.C.): Information provided for design intent only.
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4. Expansion Joint: Ref. Civil for detail
5. Tooled Control Joint: Ref. Civil for detail
6. Concrete Paving A
7. Concrete Paving B
8. Concrete Paving C
9. Concrete Paving D
10. Concrete Wall: ref. Structural
11A. Pavestone Concrete Paver A
11B. Pavestone Concrete Paver B
11C. Pavestone Concrete Paver C
11D. Pavestone Concrete Paver D
11E. Pavestone Concrete Paver E
12. Structural Concrete Masonry Unit Wall
13. Structural Fill: Reference Structural
14. Transformer/Switchgear: Ref. Civil
15. Drain Grate
16. Atrium Grate
17. Paver Grate
18. Metal Pergola
19. Metal Trellis
20. Trellis Above
21. Light Fixture Above
22. Metal Guard Rail
23. Metal Handrail
24. Metal Guard Rail and Handrail
25. Granite Bollard
26. Composite Decking
27. Concrete Pier: Locate in field to avoid conflict with existing tree roots - Ref. Structural
28. Structural Steel Beam: Ref. Structural
29. Structural Framing: Ref. Structural
30. Structural Steel Channel: Ref. Structural
31. Concrete walkway: Ref. Civil & Structural
32. Bridge: N.I.C. (Not In Contract)
33. Building Beyond: N.I.C. (Not In Contract)
34. Guardrail Beyond
35. Concrete Form Ties
36. Vertical Control Joints: Ref. Structural
37. Concrete Bench
38. Lake Edge Wall: Ref. Structural
39. Concrete Wall Beyond
40. Electrical: Ref. Civil
41. Concrete Curb - Reference structural
42. Access Panel - Reference structural
43. Vertical Control Joints: Ref. Structural
44. Concrete Weir: Reference Structural
45. Water
46. Hollow Metal Door and Frame
47. Existing Wooden Fence
48. Metal Gate
49. Limestone Boulder
50. Stone Veneer
60. Fully Grouted Beach Pebbles
61. Not Used
62. Not Used
63. Fountain Pool: Ref. Fountain Consultant
64. Fountain Water Supply Line: Reference Fountain Consultant
65. Fountain Drain Line: Reference Fountain Consultant
66. Not used
67. Not used
68. Pedestal Drinking Fountain
69. Litter Receptacle
70. Bench
71. Pet Waste Disposal System
72. Bike Rack
73. Gravel
74. Limestone Slab

LIGHTING

- SA (1,2,3,4,5,6,7,8,9) Pole Mount - ref. Civil
- SB Pole Mount - ref. Civil
- SC Wall Recessed - ref. Civil
- SE Suspended Strand - ref. Civil
- SE-1 Suspended Strand - ref. Civil
- SE-1 Direct Imbedded Trans - ref. Civil
- SK1 Surface Mount - ref. Civil
- SK2 Surface Mount - ref. Civil
- L4 Pole Mount - ref. Civil
- L5 Ceiling Mount - ref. Civil

NO.	REVISION	BY	DATE

Addison
TOWN OF ADDISON
DALLAS COUNTY, TEXAS

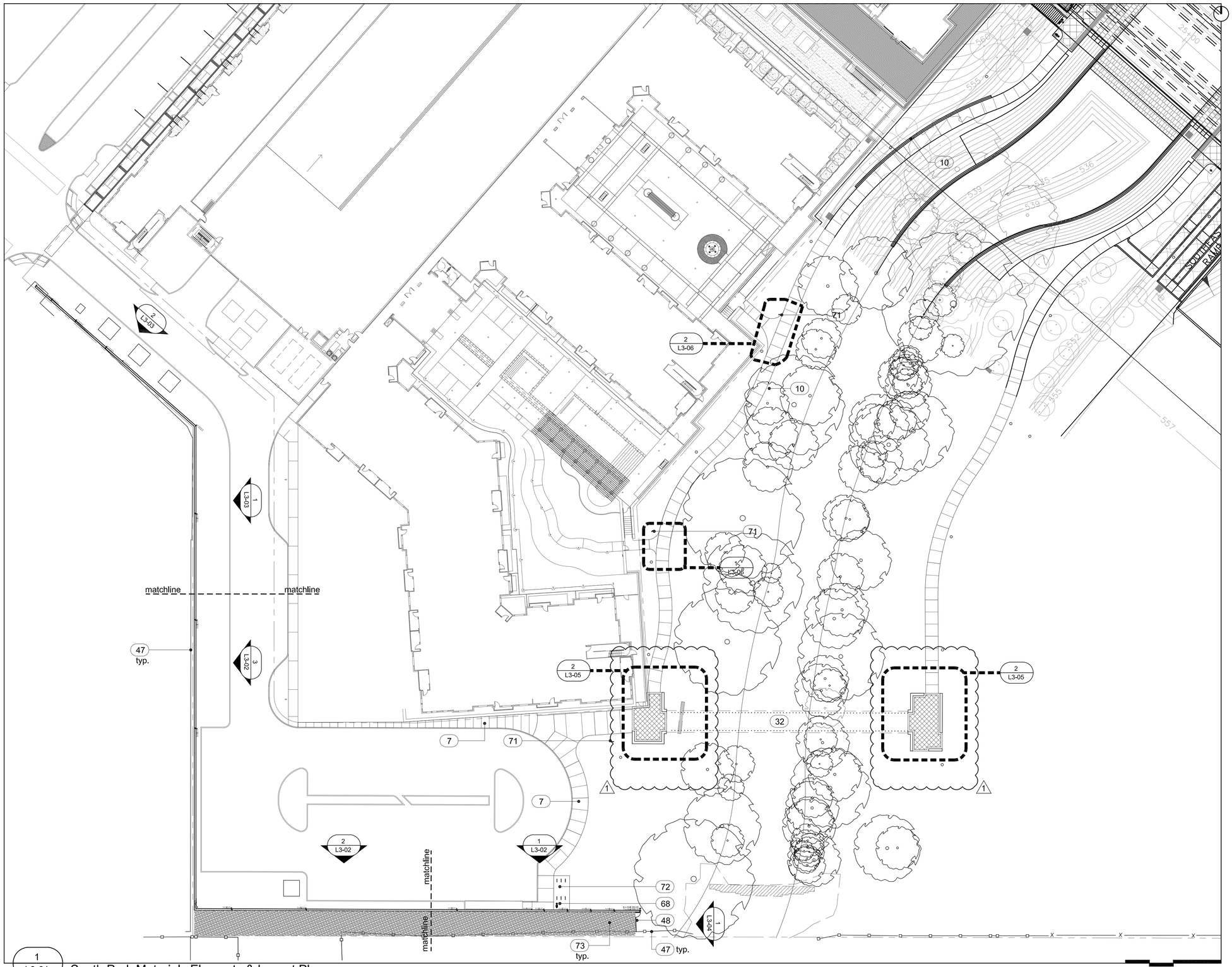
PARK AND STREETSCAPE IMPROVEMENTS
VITRUVIAN PARK

VITRUVIAN PARK - FURNISHINGS & ELEMENTS COVER SHEET

KEVIN SLOAN STUDIO
4145 Travis, Suite 105
Dallas, Texas 75204 (214) 379-1061

PROJECT	DESIGN	DRAWN	DATE	FILE	SHEET
5029-01	KWS	MM	APR 26, 2010	PW # 2009-04	L3-00

PARK AND STREETSCAPE IMPROVEMENTS - VITRUVIAN PARK



1 L3-01 South Park Materials Elements & Layout Plan

GENERAL NOTE

Refer to sheet L1-01 Design Selection Summary for specific product, finishes, and colors.

Refer to sheets L1-12 & L1-13 for furniture and park element details.

LEGEND

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3. Planting Area: Ref. L10-00's & L11-00's
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7. Concrete Paving B
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9. Concrete Paving D
10. Concrete Wall: ref. Structural
11A. Pavestone Concrete Paver A
11B. Pavestone Concrete Paver B
11C. Pavestone Concrete Paver C
11D. Pavestone Concrete Paver D
11E. Pavestone Concrete Paver E
12. Structural Concrete Masonry Unit Wall
13. Structural Fill: Reference Structural
14. Transformer/Switchgear: Ref. Civil
15. Drain Grate
16. Atrium Grate
17. Paver Grate
18. Metal Pergola
19. Metal Trellis
20. Trellis Above
21. Light Fixture Above
22. Metal Guard Rail
23. Metal Handrail
24. Metal Guard Rail and Handrail
25. Granite Bollard
26. Composite Decking
27. Concrete Pier: Locate in field to avoid conflict with existing tree roots - Ref. Structural
28. Structural Steel Beam: Ref. Structural
29. Structural Framing: Ref. Structural
30. Structural Steel Channel: Ref. Structural
31. Concrete walkway: Ref. Civil & Structural
32. Bridge: N.I.C. (Not In Contract)
33. Building Beyond: N.I.C. (Not In Contract)
34. Guardrail Beyond
35. Concrete Form Ties
36. Vertical Control Joints: Ref. Structural
37. Concrete Bench
38. Lake Edge Wall: Ref. Structural
39. Concrete Wall Beyond
40. Electrical: Ref. Civil
41. Concrete Curb - Reference structural
42. Access Panel - Reference structural
43. Vertical Control Joints: Ref. Structural
44. Concrete Weir: Reference Structural
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46. Hollow Metal Door and Frame
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64. Fountain Water Supply Line: Reference Fountain Consultant
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69. Litter Receptacle
70. Bench
71. Pet Waste Disposal System
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LIGHTING

- SA (1,2,3,4,5,6,7,8,9) Pole Mount - ref. Civil
- SB Pole Mount - ref. Civil
- SC Wall Recessed - ref. Civil
- SE Suspended Strand - ref. Civil
- SE-1 Suspended Strand - ref. Civil
- SE-T Direct Imbedded Trans - ref. Civil
- SK1 Surface Mount - ref. Civil
- SK2 Surface Mount - ref. Civil
- L4 Pole Mount - ref. Civil
- L5 Ceiling Mount - ref. Civil

REGISTERED LANDSCAPE ARCHITECT KEVIN W. SLOAN 2296 STATE OF TEXAS

NO.	REVISION	BY	DATE
1	PEDESTRIAN BRIDGE LANDING REVISIONS - COORDINATION	KSS	02/10/11

TOWN OF ADDISON
DALLAS COUNTY, TEXAS

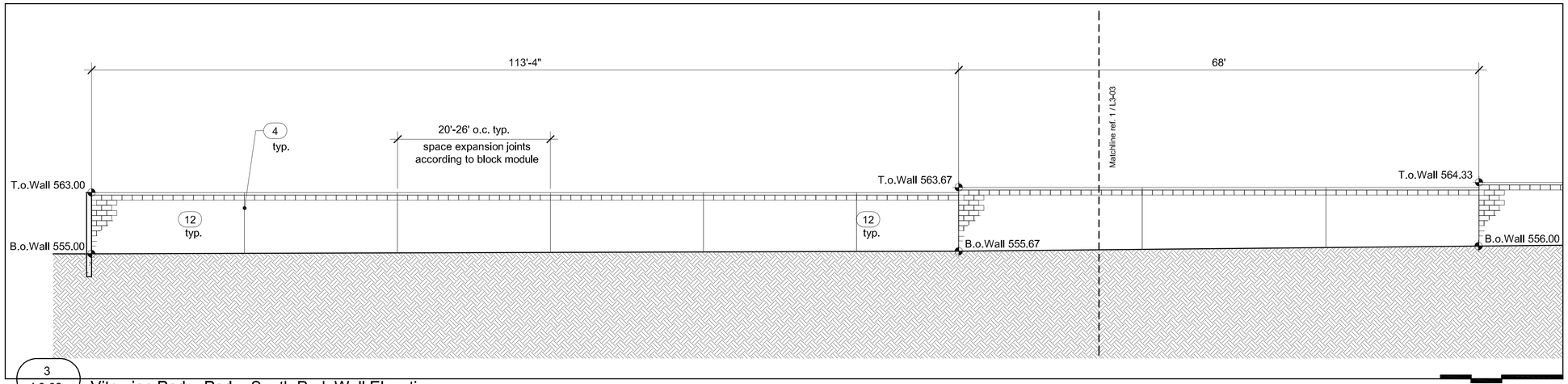
PARK AND STREETSCAPE IMPROVEMENTS
VITRUVIAN PARK

VITRUVIAN PARK - FURNISHINGS & ELEMENTS PLAN

KEVIN SLOAN STUDIO
2400 Empire Central, Suite F
Dallas, Texas 75235 (214) 459-1784

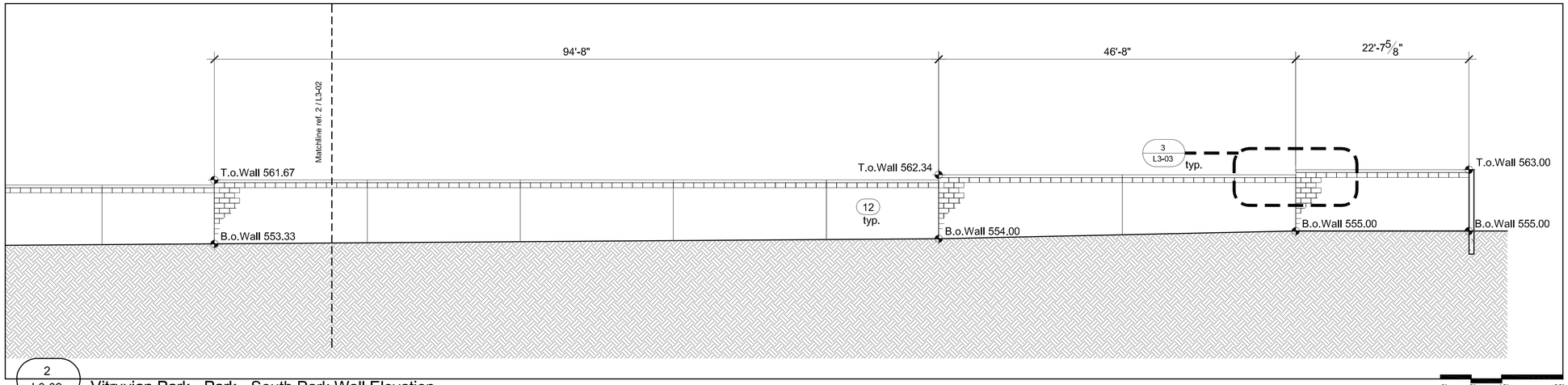
PROJECT	DESIGN	DRAWN	DATE	FILE	SHEET
5029-01	KWS	MM	APR 26, 2010	PW # 2009-04	L3-01

PARK AND STREETSCAPE IMPROVEMENTS - VITRUVIAN PARK



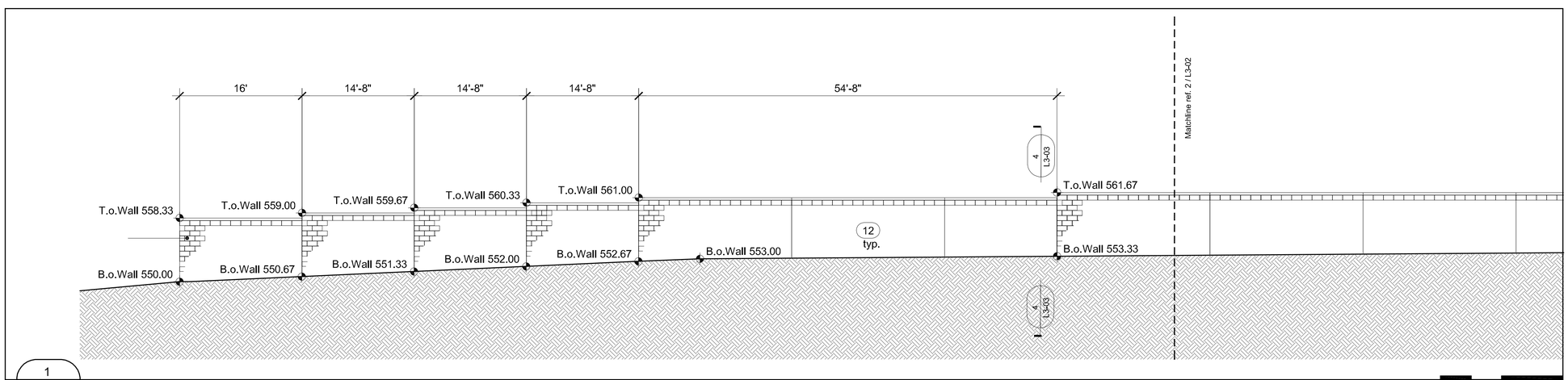
3
L3-02

Vitruvian Park - Park - South Park Wall Elevation



2
L3-02

Vitruvian Park - Park - South Park Wall Elevation



1
L3-02

Vitruvian Park - Park - South Park Wall Elevation

GENERAL NOTE

Refer to sheet L1-01 Design Selection Summary for specific product, finishes, and colors.

Refer to sheets L1-12 & L1-13 for furniture and park element details.

LEGEND

1. Project Limit
2. Not in Contract (N.I.C.): Information provided for design intent only.
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6. Concrete Paving A
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8. Concrete Paving C
9. Concrete Paving D
10. Concrete Wall: ref. Structural
11A. Pavestone Concrete Paver A
11B. Pavestone Concrete Paver B
11C. Pavestone Concrete Paver C
11D. Pavestone Concrete Paver D
11E. Pavestone Concrete Paver E
12. Structural Concrete Masonry Unit Wall
13. Structural Fill: Reference Structural
14. Transformer/Switchgear: Ref. Civil
15. Drain Grate
16. Atrium Grate
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18. Metal Pergola
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24. Metal Guard Rail and Handrail
25. Granite Bollard
26. Composite Decking
27. Concrete Pier: Locate in field to avoid conflict with existing tree roots - Ref. Structural
28. Structural Steel Beam: Ref. Structural
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35. Concrete Form Ties
36. Vertical Control Joints: Ref. Structural
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63. Fountain Pool: Ref. Fountain Consultant
64. Fountain Water Supply Line: Reference Fountain Consultant
65. Fountain Drain Line: Reference Fountain Consultant
66. Not used
67. Not used
68. Pedestal Drinking Fountain
69. Litter Receptacle
70. Bench
71. Pet Waste Disposal System
72. Bike Rack
73. Gravel
74. Limestone Slab

LIGHTING

- SA (1,2,3,4,5,6,7,8,9) Pole Mount - ref. Civil
- SB Pole Mount - ref. Civil
- SC Wall Recessed - ref. Civil
- SE Suspended Strand - ref. Civil
- SE-1 Suspended Strand - ref. Civil
- SE-T Direct Imbedded Trans - ref. Civil
- SK1 Surface Mount - ref. Civil
- SK2 Surface Mount - ref. Civil
- L4 Pole Mount - ref. Civil
- L5 Ceiling Mount - ref. Civil

REGISTERED LANDSCAPE ARCHITECT
KEVIN W. SLOAN
2296
STATE OF TEXAS

NO.	REVISION	BY	DATE

TOWN OF ADDISON
DALLAS COUNTY, TEXAS

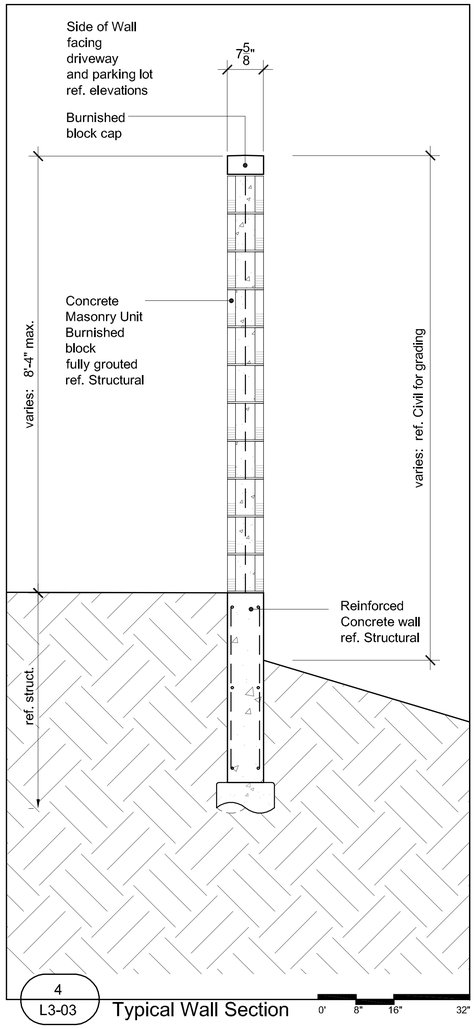
PARK AND STREETSCAPE IMPROVEMENTS
VITRUVIAN PARK

SOUTH PARK ELEVATIONS

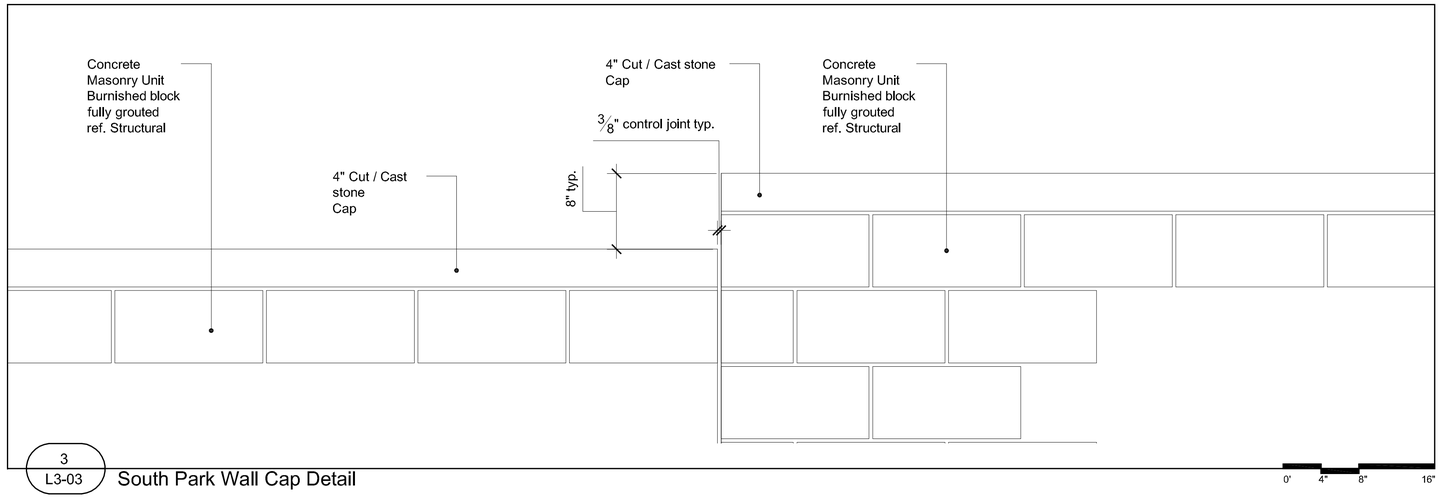
KEVIN SLOAN STUDIO
4145 Travis, Suite 105
Dallas, Texas 75204 (214) 379-1061

PROJECT	DESIGN	DRAWN	DATE	FILE	SHEET
5029-01	KWS	MM	APR 26, 2010	PW # 2009-04	L3-02

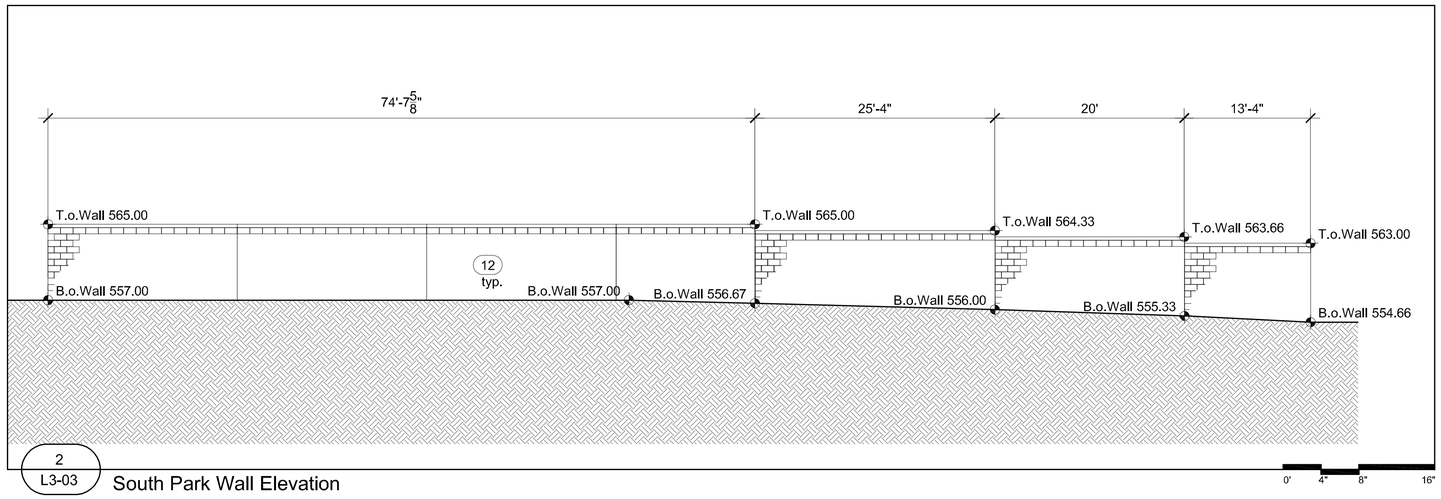
PARK AND STREETSCAPE IMPROVEMENTS - VITRUVIAN PARK



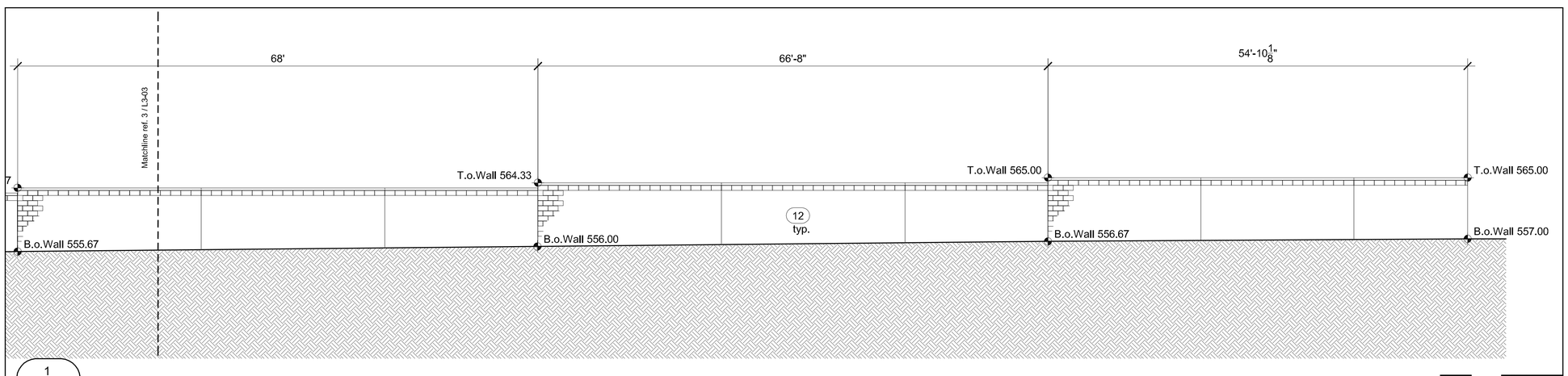
4 L3-03 Typical Wall Section 0' 8" 16" 32"



3 L3-03 South Park Wall Cap Detail 0' 4" 8" 16"



2 L3-03 South Park Wall Elevation 0' 4" 8" 16"



1 L3-03 Vitruvian Park - Park - South Park Wall Elevation 0' 4' 8' 16'

GENERAL NOTE

Refer to sheet L1-01 Design Selection Summary for specific product, finishes, and colors.

Refer to sheets L1-12 & L1-13 for furniture and park element details.

LEGEND

1. Project Limit
2. Not in Contract (N.I.C.): Information provided for design intent only.
3. Planting Area: Ref. L10-00's & L11-00's
4. Expansion Joint: Ref. Civil for detail
5. Tooled Control Joint: Ref. Civil for detail
6. Concrete Paving A
7. Concrete Paving B
8. Concrete Paving C
9. Concrete Paving D
10. Concrete Wall: ref. Structural
11A. Pavestone Concrete Paver A
11B. Pavestone Concrete Paver B
11C. Pavestone Concrete Paver C
11D. Pavestone Concrete Paver D
11E. Pavestone Concrete Paver E
12. Structural Concrete Masonry Unit Wall
13. Structural Fill: Reference Structural
14. Transformer/Switchgear: Ref. Civil
15. Drain Grate
16. Atrium Grate
17. Paver Grate
18. Metal Pergola
19. Metal Trellis
20. Trellis Above
21. Light Fixture Above
22. Metal Guard Rail
23. Metal Handrail
24. Metal Guard Rail and Handrail
25. Granite Bollard
26. Composite Decking
27. Concrete Pier: Locate in field to avoid conflict with existing tree roots - Ref. Structural
28. Structural Steel Beam: Ref. Structural
29. Structural Framing: Ref. Structural
30. Structural Steel Channel: Ref. Structural
31. Concrete walkway: Ref. Civil & Structural
32. Bridge: N.I.C. (Not In Contract)
33. Building Beyond: N.I.C. (Not In Contract)
34. Guardrail Beyond
35. Concrete Form Ties
36. Vertical Control Joints: Ref. Structural
37. Concrete Bench
38. Lake Edge Wall: Ref. Structural
39. Concrete Wall Beyond
40. Electrical: Ref. Civil
41. Concrete Curb - Reference structural
42. Access Panel - Reference structural
43. Vertical Control Joints: Ref. Structural
44. Concrete Weir: Reference Structural
45. Water
46. Hollow Metal Door and Frame
47. Existing Wooden Fence
48. Metal Gate
49. Limestone Boulder
50. Stone Veneer
60. Fully Grouted Beach Pebbles
61. Not Used
62. Not Used
63. Fountain Pool: Ref. Fountain Consultant
64. Fountain Water Supply Line: Reference Fountain Consultant
65. Fountain Drain Line: Reference Fountain Consultant
66. Not used
67. Not used
68. Pedestal Drinking Fountain
69. Litter Receptacle
70. Bench
71. Pet Waste Disposal System
72. Bike Rack
73. Gravel
74. Limestone Slab

LIGHTING

- SA (1,2,3,4,5,6,7,8,9) Pole Mount - ref. Civil
- SB Pole Mount - ref. Civil
- SC Wall Recessed - ref. Civil
- SE Suspended Strand - ref. Civil
- SE-1 Suspended Strand - ref. Civil
- SE-T Direct Imbedded Trans - ref. Civil
- SK1 Surface Mount - ref. Civil
- SK2 Surface Mount - ref. Civil
- L4 Pole Mount - ref. Civil
- L5 Ceiling Mount - ref. Civil

REGISTERED LANDSCAPE ARCHITECT KEVIN W. SLOAN 2296 STATE OF TEXAS

NO.	REVISION	BY	DATE

TOWN OF ADDISON
DALLAS COUNTY, TEXAS

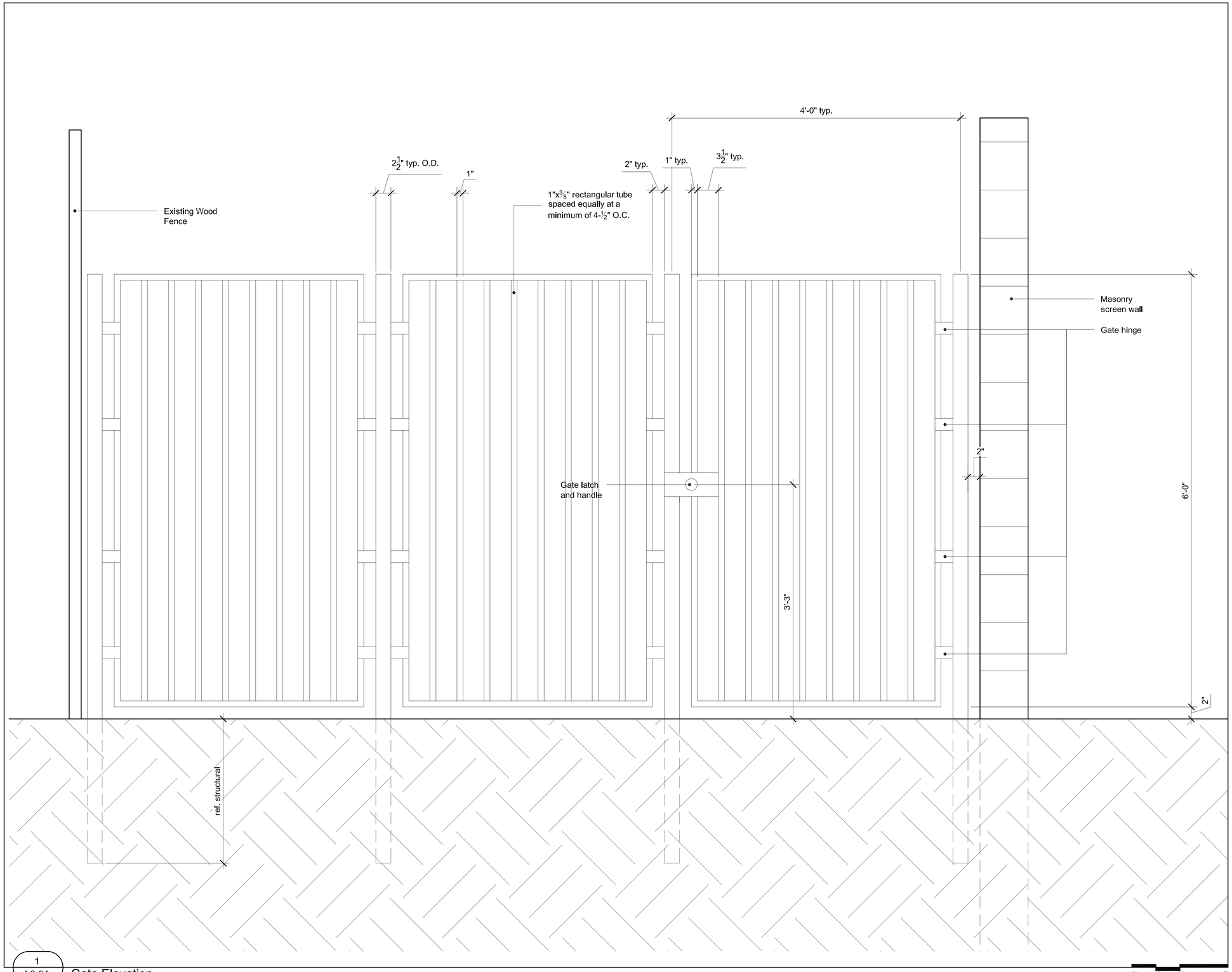
PARK AND STREETSCAPE IMPROVEMENTS
VITRUVIAN PARK

SOUTH PARK WALL ELEVATIONS & DETAILS

KEVIN SLOAN STUDIO
4145 Travis, Suite 105
Dallas, Texas 75204 (214) 379-1061

PROJECT	DESIGN	DRAWN	DATE	FILE	SHEET
5029-01	KWS	MM	APR 26, 2010	PW # 2009-04	L3-03

PARK AND STREETSCAPE IMPROVEMENTS - VITRUVIAN PARK



1
L3-04
Gate Elevation

0" 4" 8" 16"
Scale: 1/2" = 1'

GENERAL NOTE

Refer to sheet L1-01 Design Selection Summary for specific product, finishes, and colors.

Refer to sheets L1-12 & L1-13 for furniture and park element details.

LEGEND

1. Project Limit
2. Not in Contract (N.I.C.): Information provided for design intent only.
3. Planting Area: Ref. L10-00's & L11-00's
4. Expansion Joint: Ref. Civil for detail
5. Tooled Control Joint: Ref. Civil for detail
6. Concrete Paving A
7. Concrete Paving B
8. Concrete Paving C
9. Concrete Paving D
10. Concrete Wall: ref. Structural
11A. Pavestone Concrete Paver A
11B. Pavestone Concrete Paver B
11C. Pavestone Concrete Paver C
11D. Pavestone Concrete Paver D
11E. Pavestone Concrete Paver E
12. Structural Concrete Masonry Unit Wall
13. Structural Fill: Reference Structural
14. Transformer/Switchgear: Ref. Civil
15. Drain Grate
16. Atrium Grate
17. Paver Grate
18. Metal Pergola
19. Metal Trellis
20. Trellis Above
21. Light Fixture Above
22. Metal Guard Rail
23. Metal Handrail
24. Metal Guard Rail and Handrail
25. Granite Bollard
26. Composite Decking
27. Concrete Pier: Locate in field to avoid conflict with existing tree roots - Ref. Structural
28. Structural Steel Beam: Ref. Structural
29. Structural Framing: Ref. Structural
30. Structural Steel Channel: Ref. Structural
31. Concrete walkway: Ref. Civil & Structural
32. Bridge: N.I.C. (Not In Contract)
33. Building Beyond: N.I.C. (Not In Contract)
34. Guardrail Beyond
35. Concrete Form Ties
36. Vertical Control Joints: Ref. Structural
37. Concrete Bench
38. Lake Edge Wall: Ref. Structural
39. Concrete Wall Beyond
40. Electrical: Ref. Civil
41. Concrete Curb - Reference structural
42. Access Panel - Reference structural
43. Vertical Control Joints: Ref. Structural
44. Concrete Weir: Reference Structural
45. Water
46. Hollow Metal Door and Frame
47. Existing Wooden Fence
48. Metal Gate
49. Limestone Boulder
50. Stone Veneer
60. Fully Grouted Beach Pebbles
61. Not Used
62. Not Used
63. Fountain Pool: Ref. Fountain Consultant
64. Fountain Water Supply Line: Reference Fountain Consultant
65. Fountain Drain Line: Reference Fountain Consultant
66. Not used
67. Not used
68. Pedestal Drinking Fountain
69. Litter Receptacle
70. Bench
71. Pet Waste Disposal System
72. Bike Rack
73. Gravel
74. Limestone Slab

LIGHTING

- SA (1,2,3,4,5,6,7,8,9) Pole Mount - ref. Civil
- SB Pole Mount - ref. Civil
- SC Wall Recessed - ref. Civil
- SE Suspended Strand - ref. Civil
- SE-1 Suspended Strand - ref. Civil
- SE-1 Direct Imbedded Trans - ref. Civil
- SK1 Surface Mount - ref. Civil
- SK2 Surface Mount - ref. Civil
- L4 Pole Mount - ref. Civil
- L5 Ceiling Mount - ref. Civil

REGISTERED LANDSCAPE ARCHITECT KEVIN W. SLOAN 2296 STATE OF TEXAS

NO.	REVISION	BY	DATE

TOWN OF ADDISON
DALLAS COUNTY, TEXAS

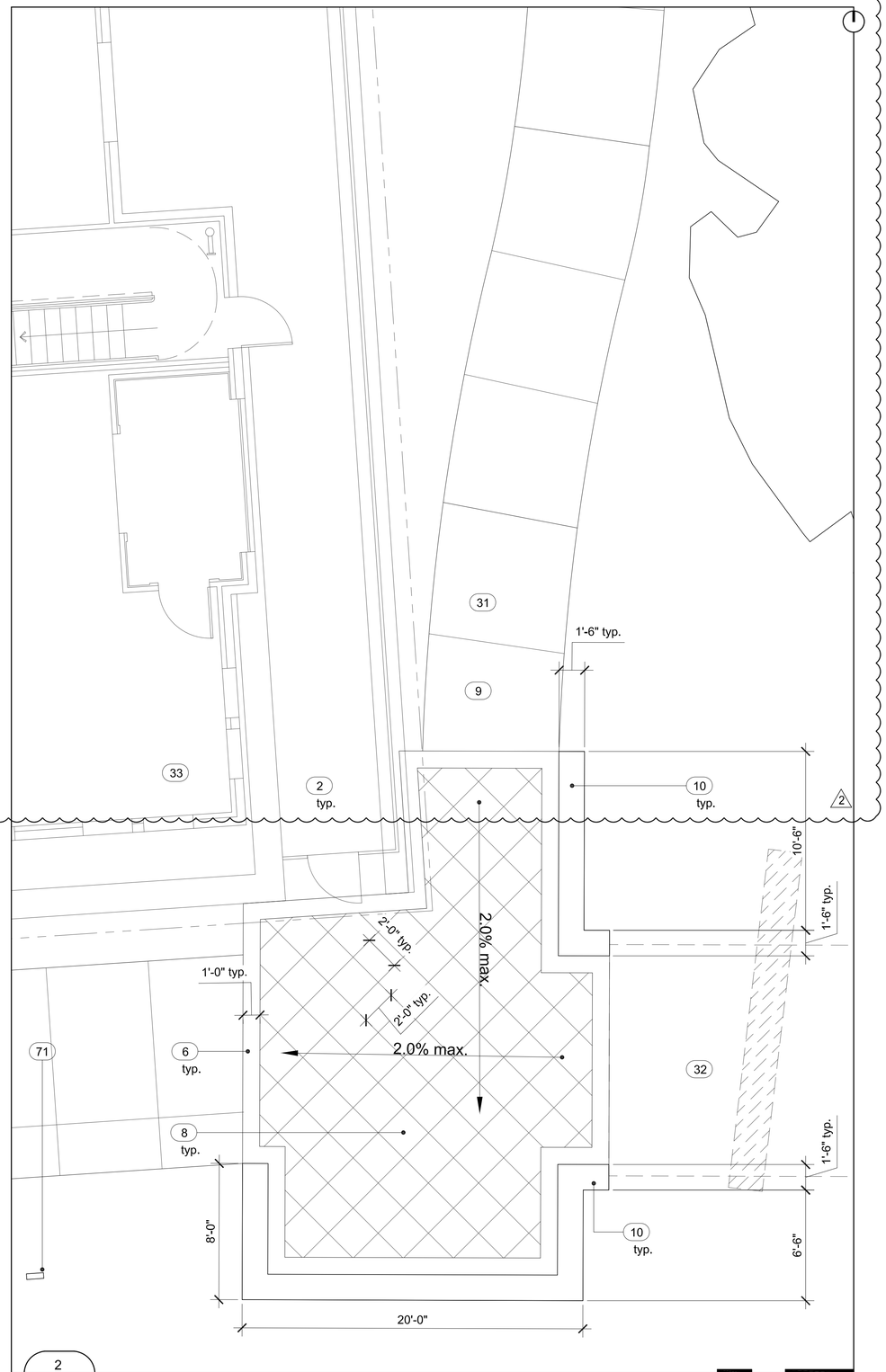
PARK AND STREETSCAPE IMPROVEMENTS
VITRUVIAN PARK

SOUTH PARK GATE ELEVATION & DETAILS

KEVIN SLOAN STUDIO
4145 Travis, Suite 105
Dallas, Texas 75204 (214) 379-1061

PROJECT	DESIGN	DRAWN	DATE	FILE	SHEET
5029-01	KWS	MM	APR 26, 2010	PW # 2009-04	L3-04

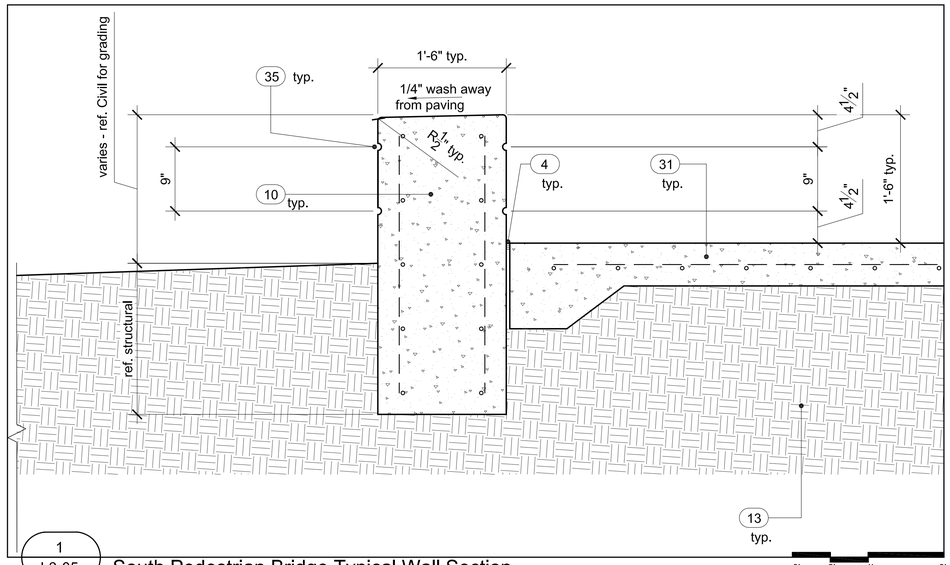
PARK AND STREETSCAPE IMPROVEMENTS - VITRUVIAN PARK



2 L3-05 South Pedestrian Bridge Plan - Materials, Elements & Layout

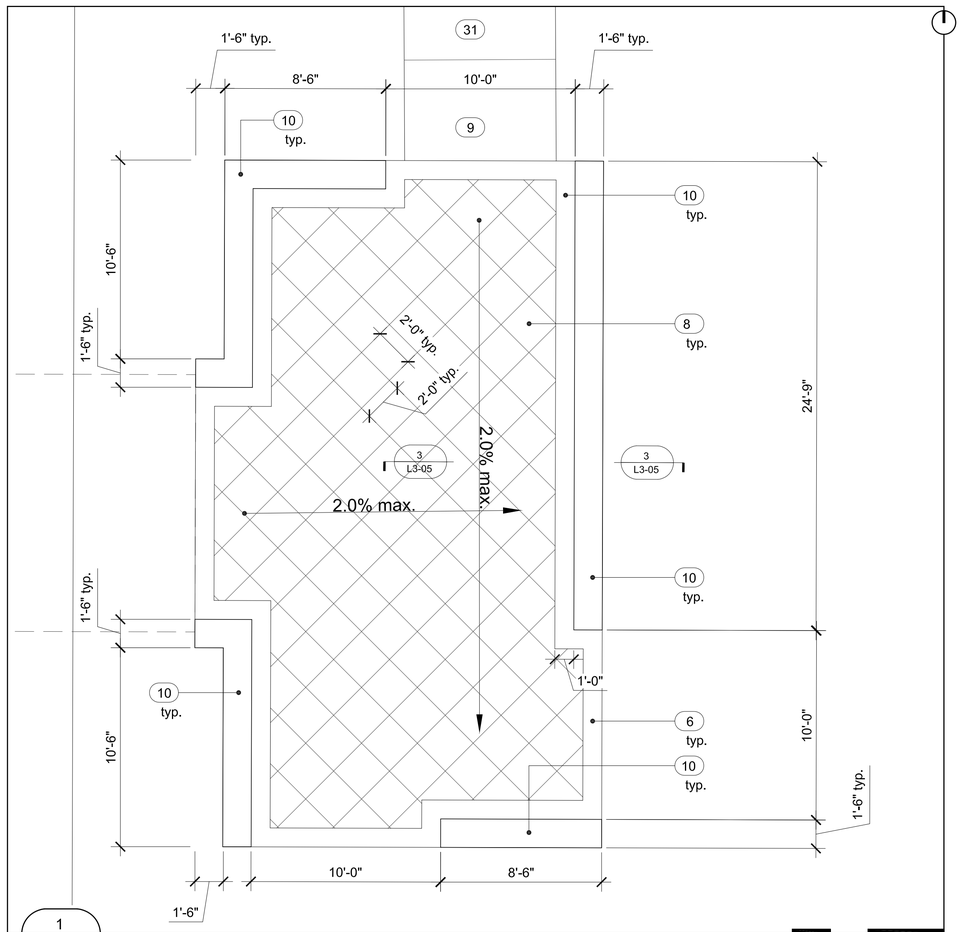
0' 2' 4' 8'

1



1 L3-05 South Pedestrian Bridge Typical Wall Section

0' 2' 4' 8'



1 L3-05 South Pedestrian Bridge Plan - Materials, Elements & Layout

0' 2' 4' 8'

1

GENERAL NOTE

Refer to sheet L1-01 Design Selection Summary for specific product, finishes, and colors.

Refer to sheets L1-12 & L1-13 for furniture and park element details.

LEGEND

1. Project Limit
2. Not in Contract (N.I.C.): Information provided for design intent only.
3. Planting Area: Ref. L10-00's & L11-00's
4. Expansion Joint: Ref. Civil for detail
5. Tooled Control Joint: Ref. Civil for detail
6. Concrete Paving A
7. Concrete Paving B
8. Concrete Paving C
9. Concrete Paving D
10. Concrete Wall: ref. Structural
11A. Pavestone Concrete Paver A
11B. Pavestone Concrete Paver B
11C. Pavestone Concrete Paver C
11D. Pavestone Concrete Paver D
11E. Pavestone Concrete Paver E
12. Structural Concrete Masonry Unit Wall
13. Structural Fill: Reference Structural
14. Transformer/Switchgear: Ref. Civil
15. Drain Grate
16. Atrium Grate
17. Paver Grate
18. Metal Pergola
19. Metal Trellis
20. Trellis Above
21. Light Fixture Above
22. Metal Guard Rail
23. Metal Handrail
24. Metal Guard Rail and Handrail
25. Granite Bollard
26. Composite Decking
27. Concrete Pier: Locate in field to avoid conflict with existing tree roots - Ref. Structural
28. Structural Steel Beam: Ref. Structural
29. Structural Framing: Ref. Structural
30. Structural Steel Channel: Ref. Structural
31. Concrete walkway: Ref. Civil & Structural
32. Bridge: N.I.C. (Not In Contract)
33. Building Beyond: N.I.C. (Not In Contract)
34. Guardrail Beyond
35. Concrete Form Ties
36. Vertical Control Joints: Ref. Structural
37. Concrete Bench
38. Lake Edge Wall: Ref. Structural
39. Concrete Wall Beyond
40. Electrical: Ref. Civil
41. Concrete Curb - Reference structural
42. Access Panel - Reference structural
43. Vertical Control Joints: Ref. Structural
44. Concrete Weir: Reference Structural
45. Water
46. Hollow Metal Door and Frame
47. Existing Wooden Fence
48. Metal Gate
49. Limestone Boulder
50. Stone Veneer
60. Fully Grouted Beach Pebbles
61. Not Used
62. Not Used
63. Fountain Pool: Ref. Fountain Consultant
64. Fountain Water Supply Line: Reference Fountain Consultant
65. Fountain Drain Line: Reference Fountain Consultant
66. Not used
67. Not used
68. Pedestal Drinking Fountain
69. Litter Receptacle
70. Bench
71. Pet Waste Disposal System
72. Bike Rack
73. Gravel
74. Limestone Slab

LIGHTING

- SA (1,2,3,4,5,6,7,8,9) Pole Mount - ref. Civil
- SB Pole Mount - ref. Civil
- SC Wall Recessed - ref. Civil
- SE Suspended Strand - ref. Civil
- SE-1 Suspended Strand - ref. Civil
- SE-T Direct Imbedded Trans - ref. Civil
- SK1 Surface Mount - ref. Civil
- SK2 Surface Mount - ref. Civil
- L4 Pole Mount - ref. Civil
- L5 Ceiling Mount - ref. Civil

REGISTERED LANDSCAPE ARCHITECT KEVIN W. SLOAN 2296 STATE OF TEXAS

NO.	REVISION	BY	DATE
1.	PEDESTRIAN BRIDGE LANDING REVISIONS - COORDINATION	KSS	02/10/11
2.	SIDEWALK PAVING MODIFICATION, ADDITIONAL PLANTING	KSS	3/30/11

Addison TOWN OF ADDISON
DALLAS COUNTY, TEXAS

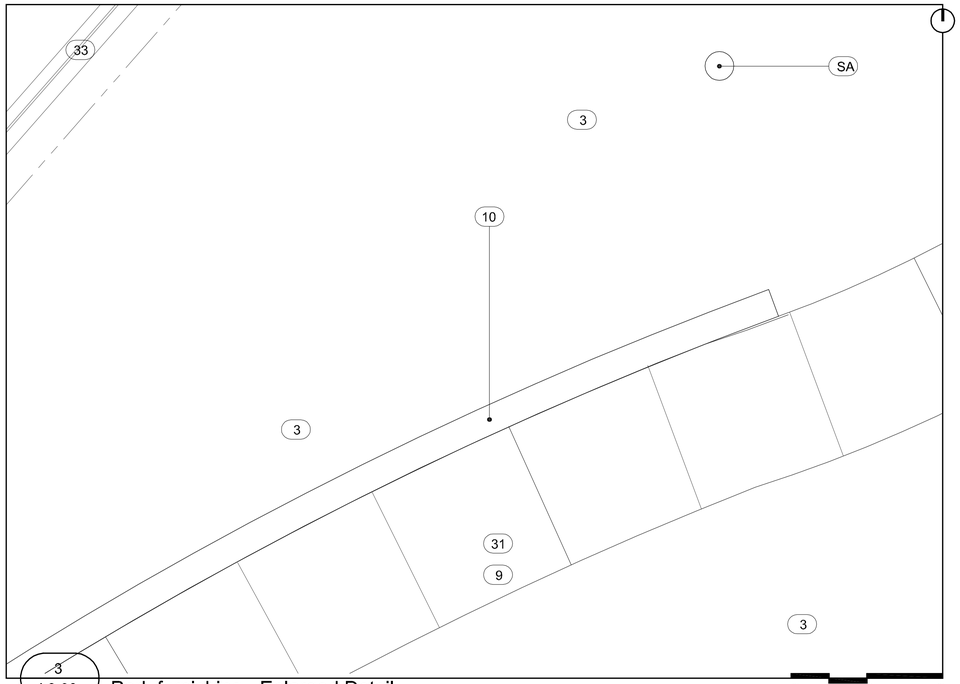
PARK AND STREETSCAPE IMPROVEMENTS
VITRUVIAN PARK

SOUTHERN PEDESTRIAN BRIDGE PLAN - MATERIALS,ELEMENTS & LAYOUT

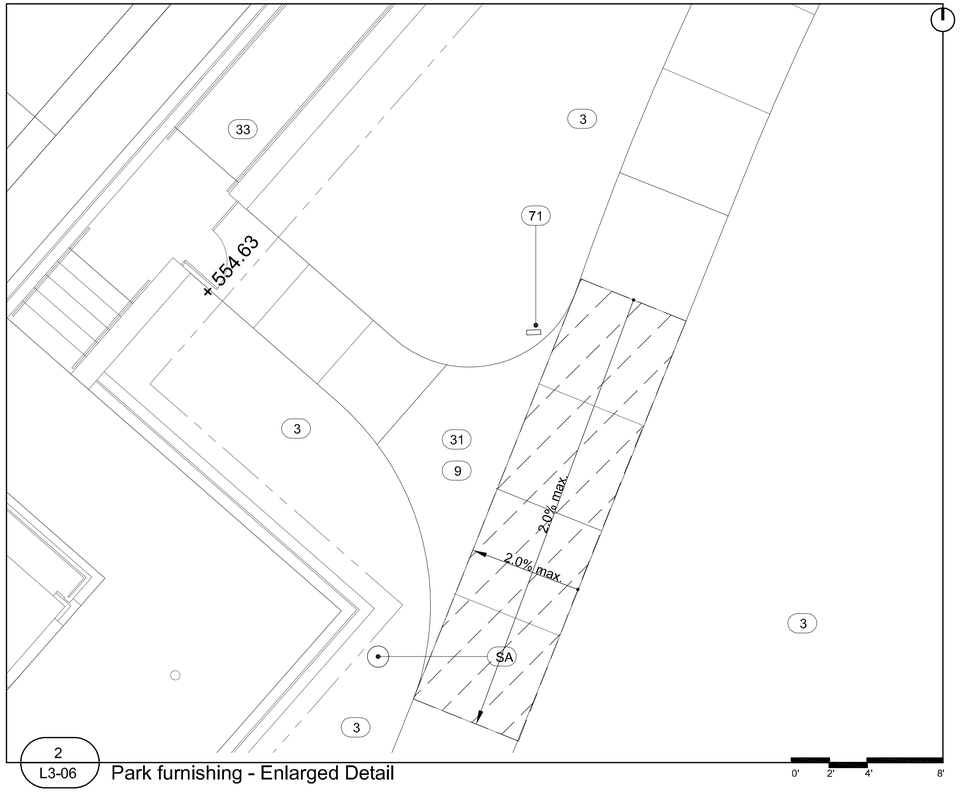
KEVIN SLOAN STUDIO
2400 Empire Central, Suite F
Dallas, Texas 75235 (214) 459-1784

PROJECT	DESIGN	DRAWN	DATE	FILE	SHEET
5029-01	KWS	JP	APR 26, 2010	PW # 2009-04	L3-05

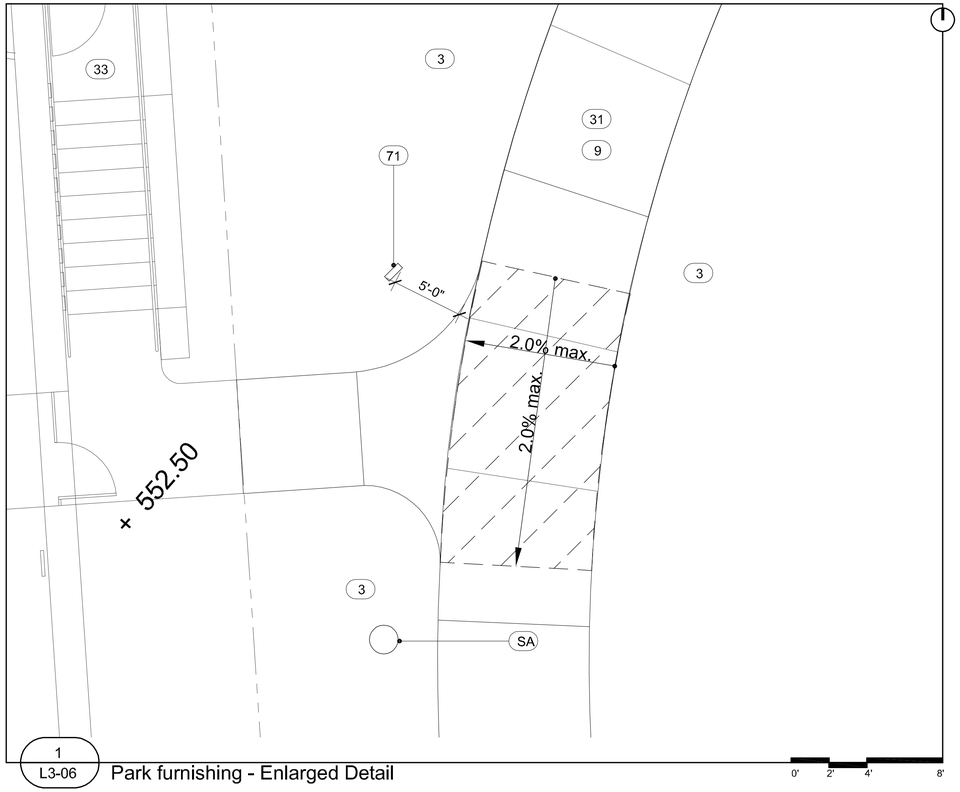
PARK AND STREETSCAPE IMPROVEMENTS - VITRUVIAN PARK



3
L3-06
Park furnishing - Enlarged Detail



2
L3-06
Park furnishing - Enlarged Detail



1
L3-06
Park furnishing - Enlarged Detail

GENERAL NOTE

Refer to sheet L1-01 Design Selection Summary for specific product, finishes, and colors.

Refer to sheets L1-12 & L1-13 for furniture and park element details.

LEGEND

1. Project Limit
2. Not in Contract (N.I.C.): Information provided for design intent only.
3. Planting Area: Ref. L10-00's & L11-00's
4. Expansion Joint: Ref. Civil for detail
5. Tooled Control Joint: Ref. Civil for detail
6. Concrete Paving A
7. Concrete Paving B
8. Concrete Paving C
9. Concrete Paving D
10. Concrete Wall: ref. Structural
11A. Pavestone Concrete Paver A
11B. Pavestone Concrete Paver B
11C. Pavestone Concrete Paver C
11D. Pavestone Concrete Paver D
11E. Pavestone Concrete Paver E
12. Structural Concrete Masonry Unit Wall
13. Structural Fill: Reference Structural
14. Transformer/Switchgear: Ref. Civil
15. Drain Grate
16. Atrium Grate
17. Paver Grate
18. Metal Pergola
19. Metal Trellis
20. Trellis Above
21. Light Fixture Above
22. Metal Guard Rail
23. Metal Handrail
24. Metal Guard Rail and Handrail
25. Granite Bollard
26. Composite Decking
27. Concrete Pier: Locate in field to avoid conflict with existing tree roots - Ref. Structural
28. Structural Steel Beam: Ref. Structural
29. Structural Framing: Ref. Structural
30. Structural Steel Channel: Ref. Structural
31. Concrete walkway: Ref. Civil & Structural
32. Bridge: N.I.C. (Not In Contract)
33. Building Beyond: N.I.C. (Not In Contract)
34. Guardrail Beyond
35. Concrete Form Ties
36. Vertical Control Joints: Ref. Structural
37. Concrete Bench
38. Lake Edge Wall: Ref. Structural
39. Concrete Wall Beyond
40. Electrical: Ref. Civil
41. Concrete Curb - Reference structural
42. Access Panel - Reference structural
43. Vertical Control Joints: Ref. Structural
44. Concrete Weir: Reference Structural
45. Water
46. Hollow Metal Door and Frame
47. Existing Wooden Fence
48. Metal Gate
49. Limestone Boulder
50. Stone Veneer
60. Fully Grouted Beach Pebbles
61. Not Used
62. Not Used
63. Fountain Pool: Ref. Fountain Consultant
64. Fountain Water Supply Line: Reference Fountain Consultant
65. Fountain Drain Line: Reference Fountain Consultant
66. Not used
67. Not used
68. Pedestal Drinking Fountain
69. Litter Receptacle
70. Bench
71. Pet Waste Disposal System
72. Bike Rack
73. Gravel
74. Limestone Slab

LIGHTING

- SA (1,2,3,4,5,6,7,8,9) Pole Mount - ref. Civil
- SB Pole Mount - ref. Civil
- SC Wall Recessed - ref. Civil
- SE Suspended Strand - ref. Civil
- SE-1 Suspended Strand - ref. Civil
- SE-T Direct Imbedded Trans - ref. Civil
- SK1 Surface Mount - ref. Civil
- SK2 Surface Mount - ref. Civil
- L4 Pole Mount - ref. Civil
- L5 Ceiling Mount - ref. Civil

REGISTERED LANDSCAPE ARCHITECT
KEVIN W. SLOAN
2296
STATE OF TEXAS

NO.	REVISION	BY	DATE

TOWN OF ADDISON
DALLAS COUNTY, TEXAS

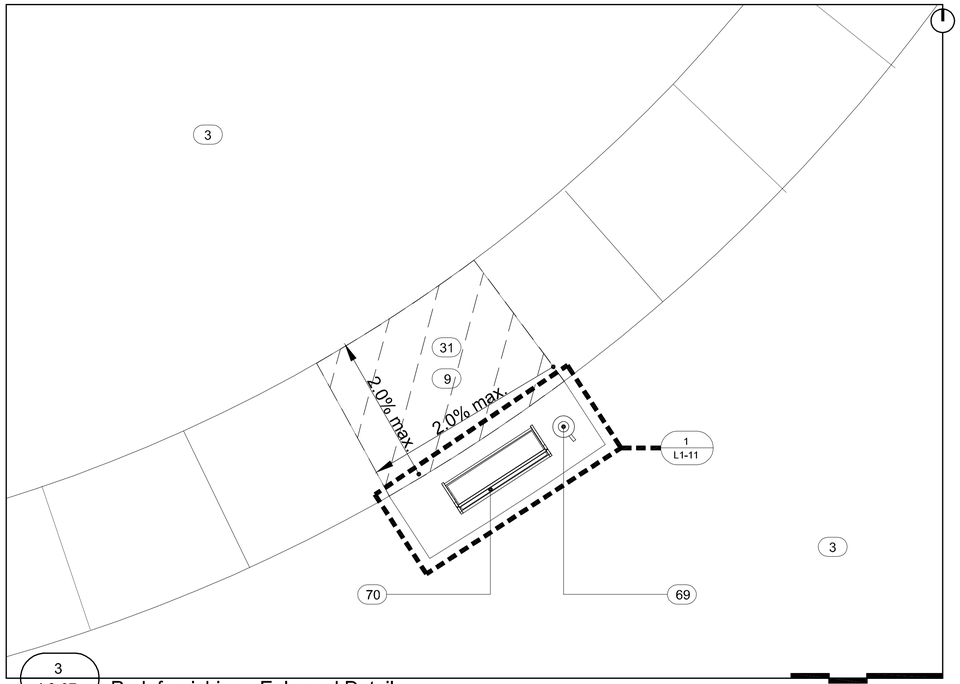
PARK AND STREETSCAPE IMPROVEMENTS
VITRUVIAN PARK

PARK FURNITURE & ELEMENTS

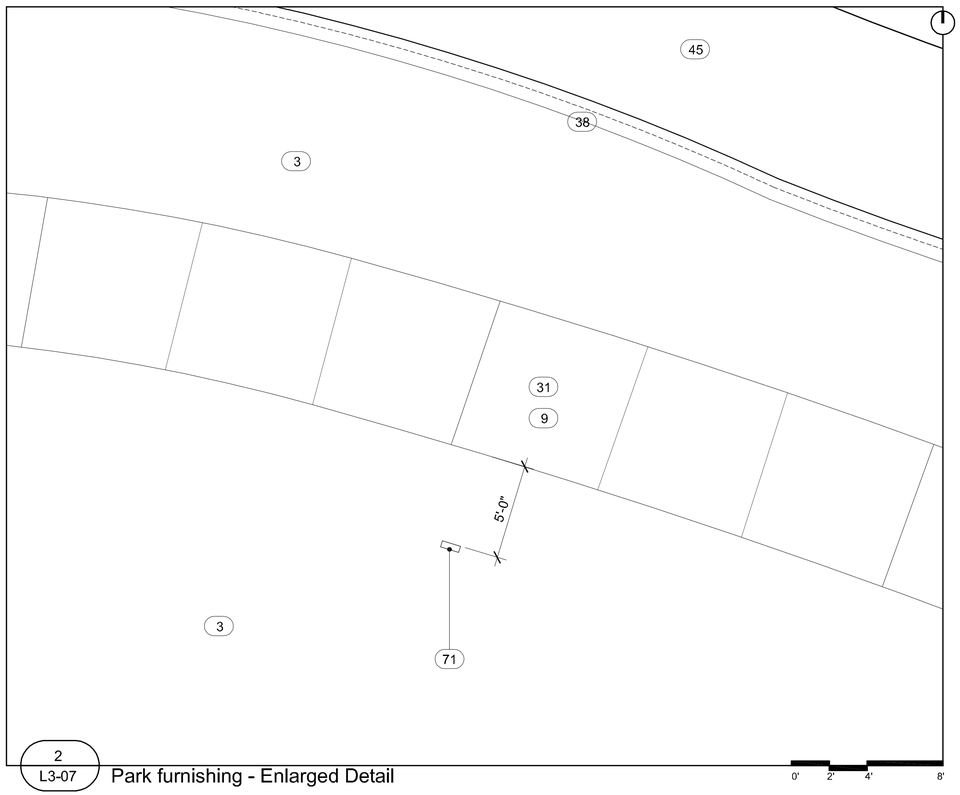
KEVIN SLOAN STUDIO
4145 Travis, Suite 105
Dallas, Texas 75204 (214) 379-1061

PROJECT	DESIGN	DRAWN	DATE	FILE	SHEET
5029-01	KWS	JP	APR 26, 2010	PW # 2009-04	L3-06

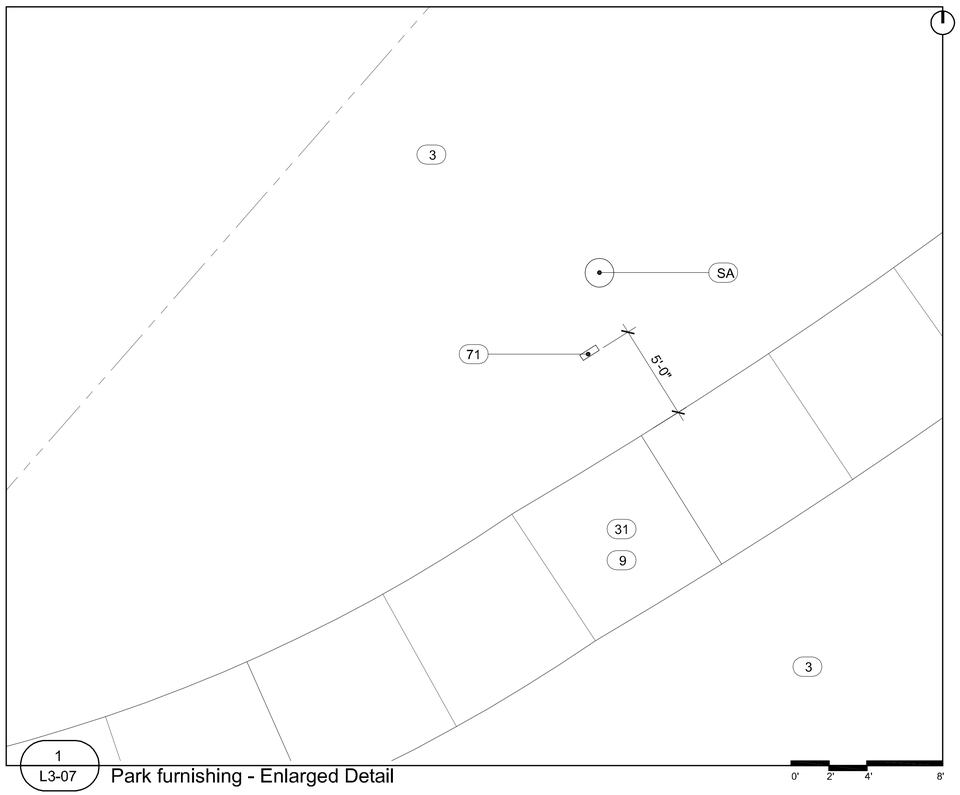
PARK AND STREETSCAPE IMPROVEMENTS - VITRUVIAN PARK



3 L3-07 Park furnishing - Enlarged Detail



2 L3-07 Park furnishing - Enlarged Detail



1 L3-07 Park furnishing - Enlarged Detail

GENERAL NOTE

Refer to sheet L1-01 Design Selection Summary for specific product, finishes, and colors.

Refer to sheets L1-12 & L1-13 for furniture and park element details.

LEGEND

1. Project Limit
2. Not in Contract (N.I.C.): Information provided for design intent only.
3. Planting Area: Ref. L10-00's & L11-00's
4. Expansion Joint: Ref. Civil for detail
5. Tooled Control Joint: Ref. Civil for detail
6. Concrete Paving A
7. Concrete Paving B
8. Concrete Paving C
9. Concrete Paving D
10. Concrete Wall: ref. Structural
11A. Pavestone Concrete Paver A
11B. Pavestone Concrete Paver B
11C. Pavestone Concrete Paver C
11D. Pavestone Concrete Paver D
11E. Pavestone Concrete Paver E
12. Structural Concrete Masonry Unit Wall
13. Structural Fill: Reference Structural
14. Transformer/Switchgear: Ref. Civil
15. Drain Grate
16. Atrium Grate
17. Paver Grate
18. Metal Pergola
19. Metal Trellis
20. Trellis Above
21. Light Fixture Above
22. Metal Guard Rail
23. Metal Handrail
24. Metal Guard Rail and Handrail
25. Granite Bollard
26. Composite Decking
27. Concrete Pier: Locate in field to avoid conflict with existing tree roots - Ref. Structural
28. Structural Steel Beam: Ref. Structural
29. Structural Framing: Ref. Structural
30. Structural Steel Channel: Ref. Structural
31. Concrete walkway: Ref. Civil & Structural
32. Bridge: N.I.C. (Not In Contract)
33. Building Beyond: N.I.C. (Not In Contract)
34. Guardrail Beyond
35. Concrete Form Ties
36. Vertical Control Joints: Ref. Structural
37. Concrete Bench
38. Lake Edge Wall: Ref. Structural
39. Concrete Wall Beyond
40. Electrical: Ref. Civil
41. Concrete Curb - Reference structural
42. Access Panel - Reference structural
43. Vertical Control Joints: Ref. Structural
44. Concrete Weir: Reference Structural
45. Water
46. Hollow Metal Door and Frame
47. Existing Wooden Fence
48. Metal Gate
49. Limestone Boulder
50. Stone Veneer
60. Fully Grouted Beach Pebbles
61. Not Used
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63. Fountain Pool: Ref. Fountain Consultant
64. Fountain Water Supply Line: Reference Fountain Consultant
65. Fountain Drain Line: Reference Fountain Consultant
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67. Not used
68. Pedestal Drinking Fountain
69. Litter Receptacle
70. Bench
71. Pet Waste Disposal System
72. Bike Rack
73. Gravel
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LIGHTING

- SA (1,2,3,4,5,6,7,8,9) Pole Mount - ref. Civil
- SB Pole Mount - ref. Civil
- SC Wall Recessed - ref. Civil
- SE Suspended Strand - ref. Civil
- SE-1 Suspended Strand - ref. Civil
- SE-T Direct Imbedded Trans - ref. Civil
- SK1 Surface Mount - ref. Civil
- SK2 Surface Mount - ref. Civil
- L4 Pole Mount - ref. Civil
- L5 Ceiling Mount - ref. Civil

REGISTERED LANDSCAPE ARCHITECT KEVIN W SLOAN 2296 STATE OF TEXAS

NO.	REVISION	BY	DATE

TOWN OF ADDISON
DALLAS COUNTY, TEXAS

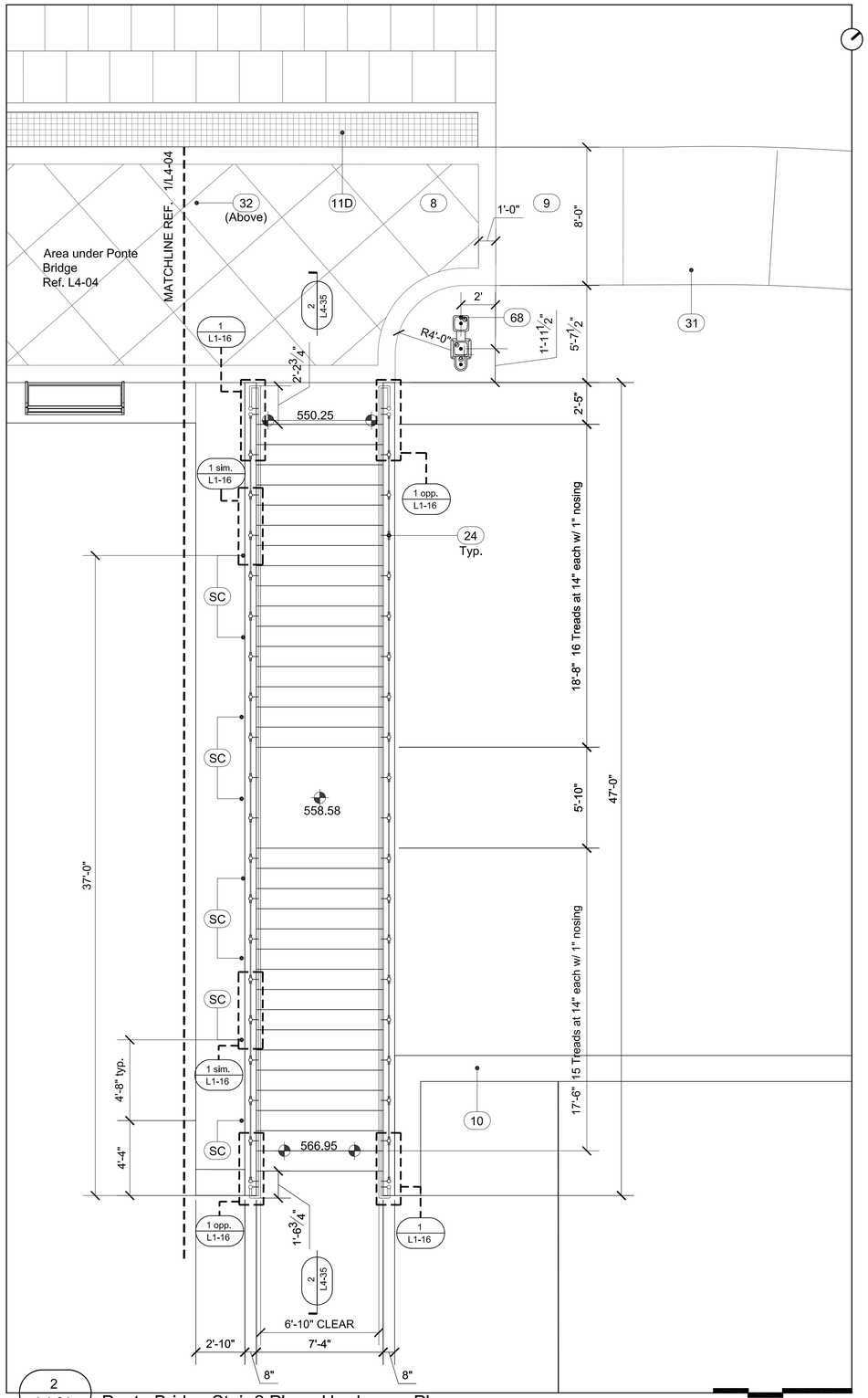
PARK AND STREETSCAPE IMPROVEMENTS
VITRUVIAN PARK

PARK FURNITURE & ELEMENTS

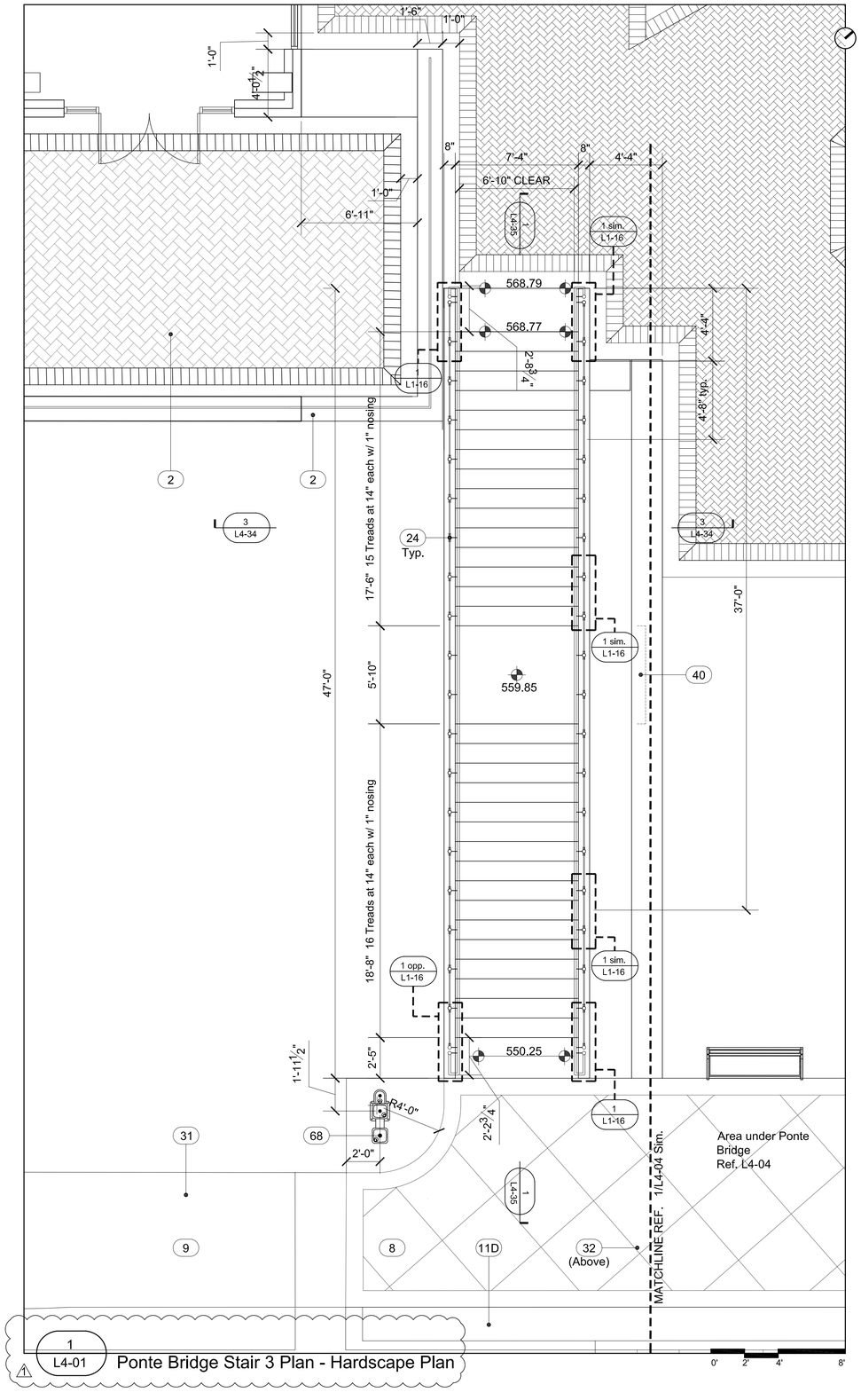
KEVIN SLOAN STUDIO
4145 Travis, Suite 105
Dallas, Texas 75204 (214) 379-1061

PROJECT	DESIGN	DRAWN	DATE	FILE	SHEET
5029-01	KWS	JP	APR 26, 2010	PW # 2009-04	L3-07

PARK AND STREETSCAPE IMPROVEMENTS - VITRUVIAN PARK



2
L4-01
Ponte Bridge Stair 2 Plan - Hardscape Plan



1
L4-01
Ponte Bridge Stair 3 Plan - Hardscape Plan

GENERAL NOTE

Refer to sheet L1-01 Design Selection Summary for specific product, finishes, and colors.

Refer to sheets L1-12 & L1-13 for furniture and park element details.

LEGEND

1. Project Limit
2. Not in Contract (N.I.C.): Information provided for design intent only.
3. Planting Area: Ref. L10-00's & L11-00's
4. Expansion Joint: Ref. Civil for detail
5. Tooled Control Joint: Ref. Civil for detail
6. Concrete Paving A
7. Concrete Paving B
8. Concrete Paving C
9. Concrete Paving D
10. Concrete Wall: ref. Structural
11A. Pavestone Concrete Paver A
11B. Pavestone Concrete Paver B
11C. Pavestone Concrete Paver C
11D. Pavestone Concrete Paver D
11E. Pavestone Concrete Paver E
12. Structural Concrete Masonry Unit Wall
13. Structural Fill: Reference Structural
14. Transformer/Switchgear: Ref. Civil
15. Drain Grate
16. Atrium Grate
17. Paver Grate
18. Metal Pergola
19. Metal Trellis
20. Trellis Above
21. Light Fixture Above
22. Metal Guard Rail
23. Metal Handrail
24. Metal Guard Rail and Handrail
25. Granite Bollard
26. Composite Decking
27. Concrete Pier: Locate in field to avoid conflict with existing tree roots - Ref. Structural
28. Structural Steel Beam: Ref. Structural
29. Structural Framing: Ref. Structural
30. Structural Steel Channel: Ref. Structural
31. Concrete walkway: Ref. Civil & Structural
32. Bridge: N.I.C. (Not In Contract)
33. Building Beyond: N.I.C. (Not In Contract)
34. Guardrail Beyond
35. Concrete Form Ties
36. Vertical Control Joints: Ref. Structural
37. Concrete Bench
38. Lake Edge Wall: Ref. Structural
39. Concrete Wall Beyond
40. Electrical: Ref. Civil
41. Concrete Curb - Reference structural
42. Access Panel - Reference structural
43. Vertical Control Joints: Ref. Structural
44. Concrete Weir: Reference Structural
45. Water
46. Hollow Metal Door and Frame
47. Existing Wooden Fence
48. Metal Gate
49. Limestone Boulder
50. Stone Veneer
60. Fully Grouted Beach Pebbles
61. Not Used
62. Not Used
63. Fountain Pool: Ref. Fountain Consultant
64. Fountain Water Supply Line: Reference Fountain Consultant
65. Fountain Drain Line: Reference Fountain Consultant
66. Not used
67. Not used
68. Pedestal Drinking Fountain
69. Litter Receptacle
70. Bench
71. Pet Waste Disposal System
72. Bike Rack
73. Gravel
74. Limestone Slab

LIGHTING

- SA (1,2,3,4,5,6,7,8,9) Pole Mount - ref. Civil
- SB Pole Mount - ref. Civil
- SC Wall Recessed - ref. Civil
- SE Suspended Strand - ref. Civil
- SE-1 Suspended Strand - ref. Civil
- SE-T Direct Imbedded Trans - ref. Civil
- SK1 Surface Mount - ref. Civil
- SK2 Surface Mount - ref. Civil
- L4 Pole Mount - ref. Civil
- L5 Ceiling Mount - ref. Civil

REGISTERED LANDSCAPE ARCHITECT KEVIN W. SLOAN 2296 STATE OF TEXAS

NO.	REVISION	BY	DATE
1	PONTE GRADING REVISIONS	KSS	04/13/11

TOWN OF ADDISON
DALLAS COUNTY, TEXAS

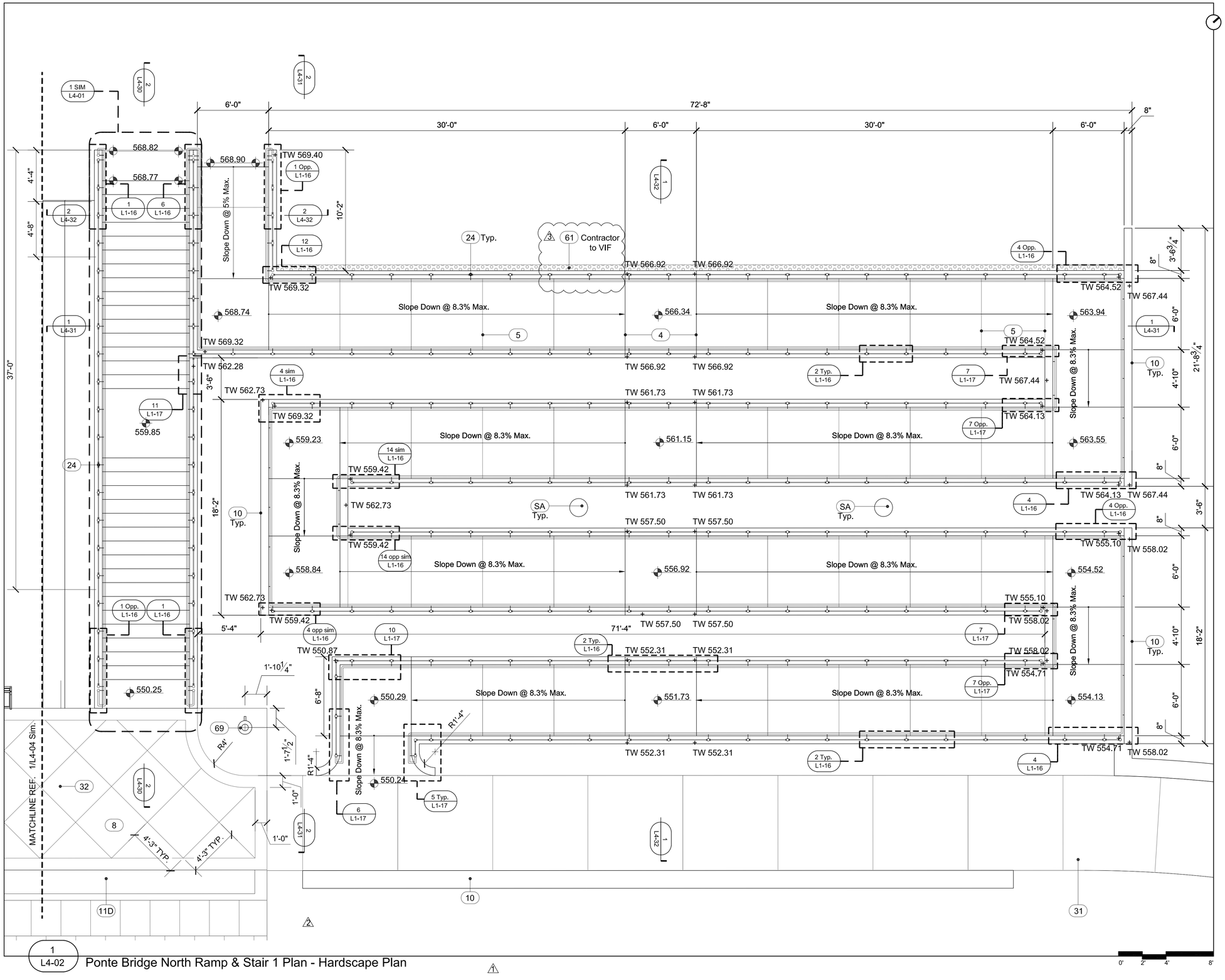
PARK AND STREETSCAPE IMPROVEMENTS
VITRUVIAN PARK

PONTE AVENUE BRIDGE/PARK - STAIR PLANS

KEVIN SLOAN STUDIO
2400 Empire Central, Suite F
Dallas, Texas 75235 (214) 459-1784

PROJECT	DESIGN	DRAWN	DATE	FILE	SHEET
5029-01	KWS		APR 26, 2010	PW # 2009-04	L4-01

PARK AND STREETSCAPE IMPROVEMENTS - VITRUVIAN PARK



1 L4-02 Ponte Bridge North Ramp & Stair 1 Plan - Hardscape Plan

0' 2' 4' 8'

GENERAL NOTE

Refer to sheet L1-01 Design Selection Summary for specific product, finishes, and colors.

Refer to sheets L1-12 & L1-13 for furniture and park element details.

LEGEND

1. Project Limit
2. Not in Contract (N.I.C.): Information provided for design intent only.
3. Planting Area: Ref. L10-00's & L11-00's
4. Expansion Joint: Ref. Civil for detail
5. Tooled Control Joint: Ref. Civil for detail
6. Concrete Paving A
7. Concrete Paving B
8. Concrete Paving C
9. Concrete Paving D
10. Concrete Wall: ref. Structural
11A. Pavestone Concrete Paver A
11B. Pavestone Concrete Paver B
11C. Pavestone Concrete Paver C
11D. Pavestone Concrete Paver D
11E. Pavestone Concrete Paver E
12. Structural Concrete Masonry Unit Wall
13. Structural Fill: Reference Structural
14. Transformer/Switchgear: Ref. Civil
15. Drain Grate
16. Atrium Grate
17. Paver Grate
18. Metal Pergola
19. Metal Trellis
20. Trellis Above
21. Light Fixture Above
22. Metal Guard Rail
23. Metal Handrail
24. Metal Guard Rail and Handrail
25. Granite Bollard
26. Composite Decking
27. Concrete Pier: Locate in field to avoid conflict with existing tree roots - Ref. Structural
28. Structural Steel Beam: Ref. Structural
29. Structural Framing: Ref. Structural
30. Structural Steel Channel: Ref. Structural
31. Concrete walkway: Ref. Civil & Structural
32. Bridge: N.I.C. (Not In Contract)
33. Building Beyond: N.I.C. (Not In Contract)
34. Guardrail Beyond
35. Concrete Form Ties
36. Vertical Control Joints: Ref. Structural
37. Concrete Bench
38. Lake Edge Wall: Ref. Structural
39. Concrete Wall Beyond
40. Electrical: Ref. Civil
41. Concrete Curb - Reference structural
42. Access Panel - Reference structural
43. Vertical Control Joints: Ref. Structural
44. Concrete Weir: Reference Structural
45. Water
46. Hollow Metal Door and Frame
47. Existing Wooden Fence
48. Metal Gate
49. Limestone Boulder
50. Stone Veneer
60. Fully Grouted Beach Pebbles
61. Loose Beach Pebbles
62. Not Used
63. Fountain Pool: Ref. Fountain Consultant
64. Fountain Water Supply Line: Reference Fountain Consultant
65. Fountain Drain Line: Reference Fountain Consultant
66. Not used
67. Not used
68. Pedestal Drinking Fountain
69. Litter Receptacle
70. Bench
71. Pet Waste Disposal System
72. Bike Rack
73. Gravel
74. Limestone Slab

LIGHTING

- SA (1,2,3,4,5,6,7,8,9) Pole Mount - ref. Civil
- SB Pole Mount - ref. Civil
- SC Wall Recessed - ref. Civil
- SE Suspended Strand - ref. Civil
- SE-1 Suspended Strand - ref. Civil
- SE-T Direct Imbedded Trans - ref. Civil
- SK1 Surface Mount - ref. Civil
- SK2 Surface Mount - ref. Civil
- L4 Pole Mount - ref. Civil
- L5 Ceiling Mount - ref. Civil

REGISTERED LANDSCAPE ARCHITECT KEVIN W. SLOAN 2296 STATE OF TEXAS

NO.	REVISION	BY	DATE
1	PONTE GRADING REVISIONS	KSS	04/13/11
2	SAW CUT JOINT DIMENSIONS	KSS	06/08/11
3	PONTE BRIDGE NORTH RAMP REVISION - RIVER PEBBLE	KSS	10/11/11

Addison TOWN OF ADDISON
DALLAS COUNTY, TEXAS

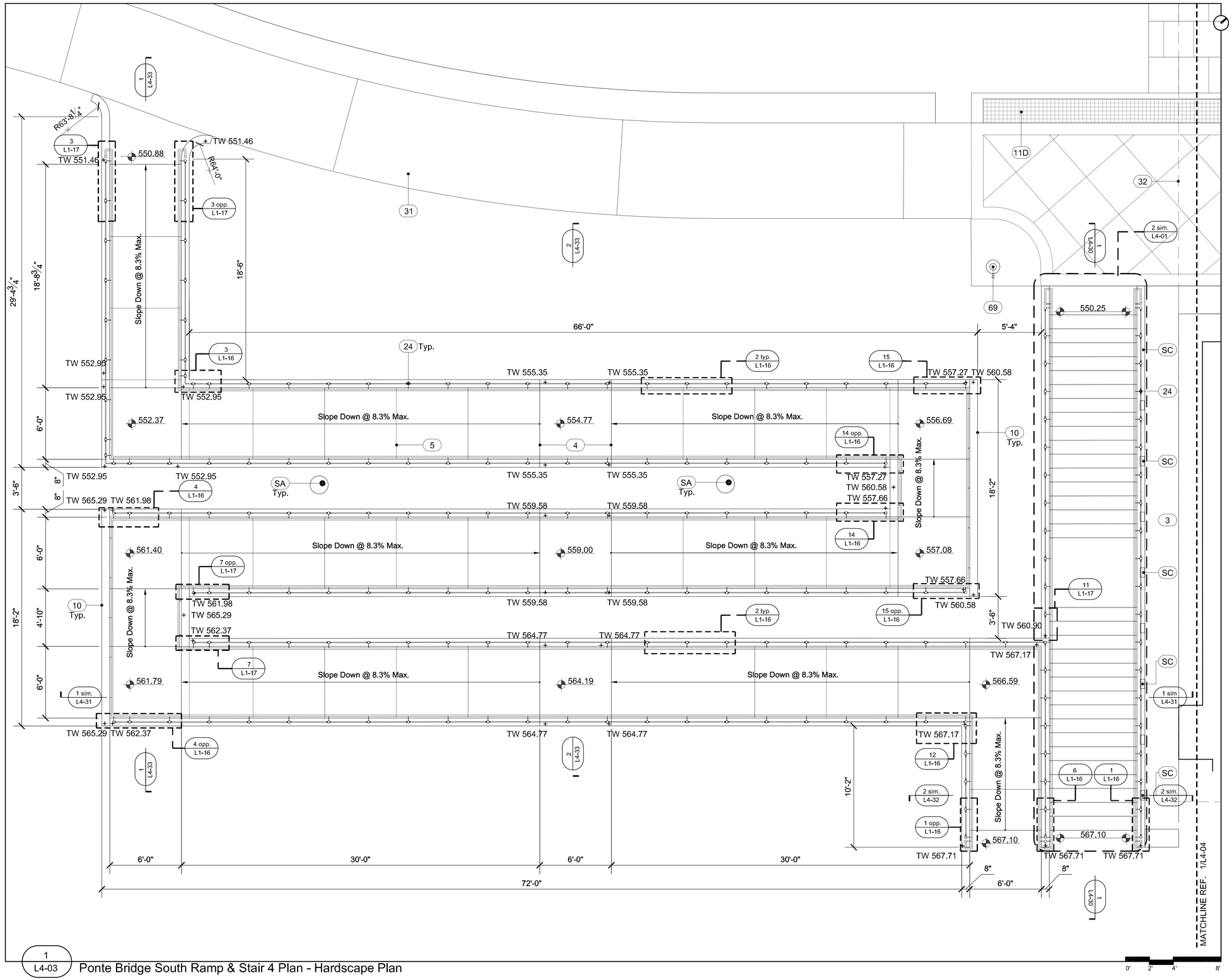
PARK AND STREETSCAPE IMPROVEMENTS
VITRUVIAN PARK

PONTE AVENUE BRIDGE/PARK NORTH RAMP & STAIR PLAN

KEVIN SLOAN STUDIO
2400 Empire Central, Suite F
Dallas, Texas 75235 (214) 459-1784

PROJECT	DESIGN	DRAWN	DATE	FILE	SHEET
5029-01	KWS	MM	DEC. 18, 2009	PW # 2009-04	L4-02

PARK AND STREETSCAPE IMPROVEMENTS - VITRUVIAN PARK



1 / L4-03 Ponte Bridge South Ramp & Stair 4 Plan - Hardscape Plan

0' 2' 4' 8'

GENERAL NOTE

Refer to sheet L1-01 Design Selection Summary for specific product, finishes, and colors.

Refer to sheets L1-12 & L1-13 for furniture and park element details.

LEGEND

1. Project Limit
2. Not in Contract (N.I.C.): Information provided for design intent only.
3. Planting Area: Ref. L10-00's & L11-00's
4. Expansion Joint: Ref. Civil for detail
5. Tooled Control Joint: Ref. Civil for detail
6. Concrete Paving A
7. Concrete Paving B
8. Concrete Paving C
9. Concrete Paving D
10. Concrete Wall: ref. Structural
11A. Pavestone Concrete Paver A
11B. Pavestone Concrete Paver B
11C. Pavestone Concrete Paver C
11D. Pavestone Concrete Paver D
11E. Pavestone Concrete Paver E
12. Structural Concrete Masonry Unit Wall
13. Structural Fill: Reference Structural
14. Transformer/Switchgear: Ref. Civil
15. Drain Grate
16. Atrium Grate
17. Paver Grate
18. Metal Pergola
19. Metal Trellis
20. Trellis Above
21. Light Fixture Above
22. Metal Guard Rail
23. Metal Handrail
24. Metal Guard Rail and Handrail
25. Granite Bollard
26. Composite Decking
27. Concrete Pier: Locate in field to avoid conflict with existing tree roots - Ref. Structural
28. Structural Steel Beam: Ref. Structural
29. Structural Framing: Ref. Structural
30. Structural Steel Channel: Ref. Structural
31. Concrete walkway: Ref. Civil & Structural
32. Bridge: N.I.C. (Not In Contract)
33. Building Beyond: N.I.C. (Not In Contract)
34. Guardrail Beyond
35. Concrete Form Ties
36. Vertical Control Joints: Ref. Structural
37. Concrete Bench
38. Lake Edge Wall: Ref. Structural
39. Concrete Wall Beyond
40. Electrical: Ref. Civil
41. Concrete Curb - Reference structural
42. Access Panel - Reference structural
43. Vertical Control Joints: Ref. Structural
44. Concrete Weir: Reference Structural
45. Water
46. Hollow Metal Door and Frame
47. Existing Wooden Fence
48. Metal Gate
49. Limestone Boulder
50. Stone Veneer
60. Fully Grouted Beach Pebbles
61. Not Used
62. Not Used
63. Fountain Pool: Ref. Fountain Consultant
64. Fountain Water Supply Line: Reference Fountain Consultant
65. Fountain Drain Line: Reference Fountain Consultant
66. Not used
67. Not used
68. Pedestal Drinking Fountain
69. Litter Receptacle
70. Bench
71. Pet Waste Disposal System
72. Bike Rack
73. Gravel
74. Limestone Slab

LIGHTING

- SA (1,2,3,4,5,6,7,8,9) Pole Mount - ref. Civil
- SB Pole Mount - ref. Civil
- SC Wall Recessed - ref. Civil
- SE Suspended Strand - ref. Civil
- SE-1 Suspended Strand - ref. Civil
- SE-1 Direct Imbedded Trans - ref. Civil
- SK1 Surface Mount - ref. Civil
- SK2 Surface Mount - ref. Civil
- L4 Pole Mount - ref. Civil
- L5 Ceiling Mount - ref. Civil

REGISTERED LANDSCAPE ARCHITECT KEVIN W. SLOAN 2296 STATE OF TEXAS

NO.	REVISION	BY	DATE

Addison TOWN OF ADDISON
DALLAS COUNTY, TEXAS

PARK AND STREETSCAPE IMPROVEMENTS
VITRUVIAN PARK

PONTE AVENUE BRIDGE/PARK SOUTH RAMP & STAIR PLAN

KEVIN SLOAN STUDIO
4145 Travis, Suite 105
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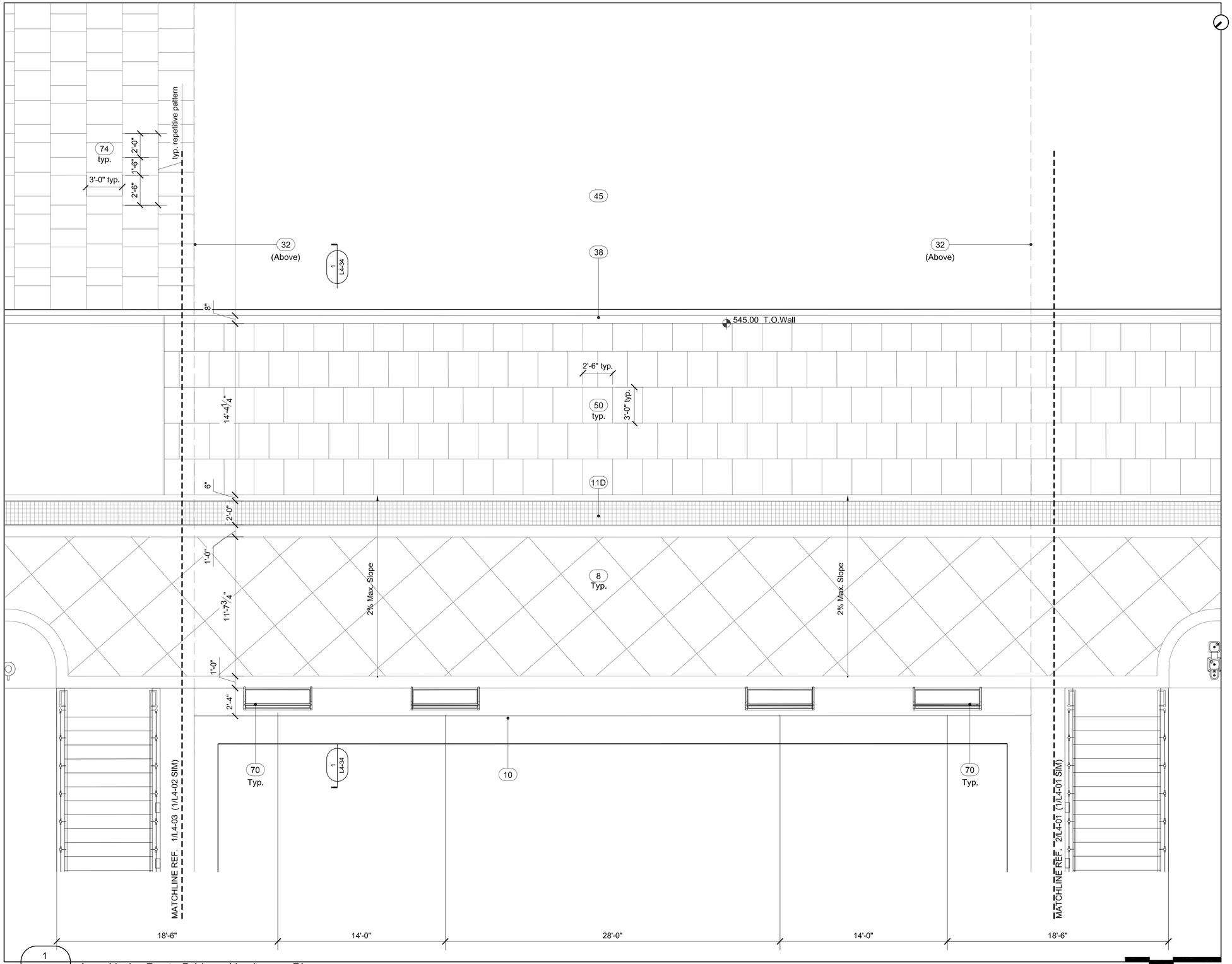
PROJECT	DESIGN	DRAWN	DATE	FILE	SHEET
5029-01	KWS	MM	APR 26, 2010	PW # 2009-04	L4-03

PARK AND STREETSCAPE IMPROVEMENTS - VITRUVIAN PARK



1
L4-04
Area Under Ponte Bridge - Hardscape Plan

GENERAL NOTE

Refer to sheet L1-01 Design Selection Summary for specific product, finishes, and colors.

Refer to sheets L1-12 & L1-13 for furniture and park element details.

LEGEND

1. Project Limit
2. Not in Contract (N.I.C.): Information provided for design intent only.
3. Planting Area: Ref. L10-00's & L11-00's
4. Expansion Joint: Ref. Civil for detail
5. Tooled Control Joint: Ref. Civil for detail
6. Concrete Paving A
7. Concrete Paving B
8. Concrete Paving C
9. Concrete Paving D
10. Concrete Wall: ref. Structural
11A. Pavestone Concrete Paver A
11B. Pavestone Concrete Paver B
11C. Pavestone Concrete Paver C
11D. Pavestone Concrete Paver D
11E. Pavestone Concrete Paver E
12. Structural Concrete Masonry Unit Wall
13. Structural Fill: Reference Structural
14. Transformer/Switchgear: Ref. Civil
15. Drain Grate
16. Atrium Grate
17. Paver Grate
18. Metal Pergola
19. Metal Trellis
20. Trellis Above
21. Light Fixture Above
22. Metal Guard Rail
23. Metal Handrail
24. Metal Guard Rail and Handrail
25. Granite Bollard
26. Composite Decking
27. Concrete Pier: Locate in field to avoid conflict with existing tree roots - Ref. Structural
28. Structural Steel Beam: Ref. Structural
29. Structural Framing: Ref. Structural
30. Structural Steel Channel: Ref. Structural
31. Concrete walkway: Ref. Civil & Structural
32. Bridge: N.I.C. (Not In Contract)
33. Building Beyond: N.I.C. (Not In Contract)
34. Guardrail Beyond
35. Concrete Form Ties
36. Vertical Control Joints: Ref. Structural
37. Concrete Bench
38. Lake Edge Wall: Ref. Structural
39. Concrete Wall Beyond
40. Electrical: Ref. Civil
41. Concrete Curb - Reference structural
42. Access Panel - Reference structural
43. Vertical Control Joints: Ref. Structural
44. Concrete Weir: Reference Structural
45. Water
46. Hollow Metal Door and Frame
47. Existing Wooden Fence
48. Metal Gate
49. Limestone Boulder
50. Stone Veneer
60. Fully Grouted Beach Pebbles
61. Not Used
62. Not Used
63. Fountain Pool: Ref. Fountain Consultant
64. Fountain Water Supply Line: Reference Fountain Consultant
65. Fountain Drain Line: Reference Fountain Consultant
66. Not used
67. Not used
68. Pedestal Drinking Fountain
69. Litter Receptacle
70. Bench
71. Pet Waste Disposal System
72. Bike Rack
73. Gravel
74. Limestone Slab

LIGHTING

- SA (1,2,3,4,5,6,7,8,9) Pole Mount - ref. Civil
- SB Pole Mount - ref. Civil
- SC Wall Recessed - ref. Civil
- SE Suspended Strand - ref. Civil
- SE-1 Suspended Strand - ref. Civil
- SE-T Direct Imbedded Trans - ref. Civil
- SK1 Surface Mount - ref. Civil
- SK2 Surface Mount - ref. Civil
- L4 Pole Mount - ref. Civil
- L5 Ceiling Mount - ref. Civil

REGISTERED LANDSCAPE ARCHITECT KEVIN W. SLOAN 2296 STATE OF TEXAS

NO.	REVISION	BY	DATE

TOWN OF ADDISON
DALLAS COUNTY, TEXAS

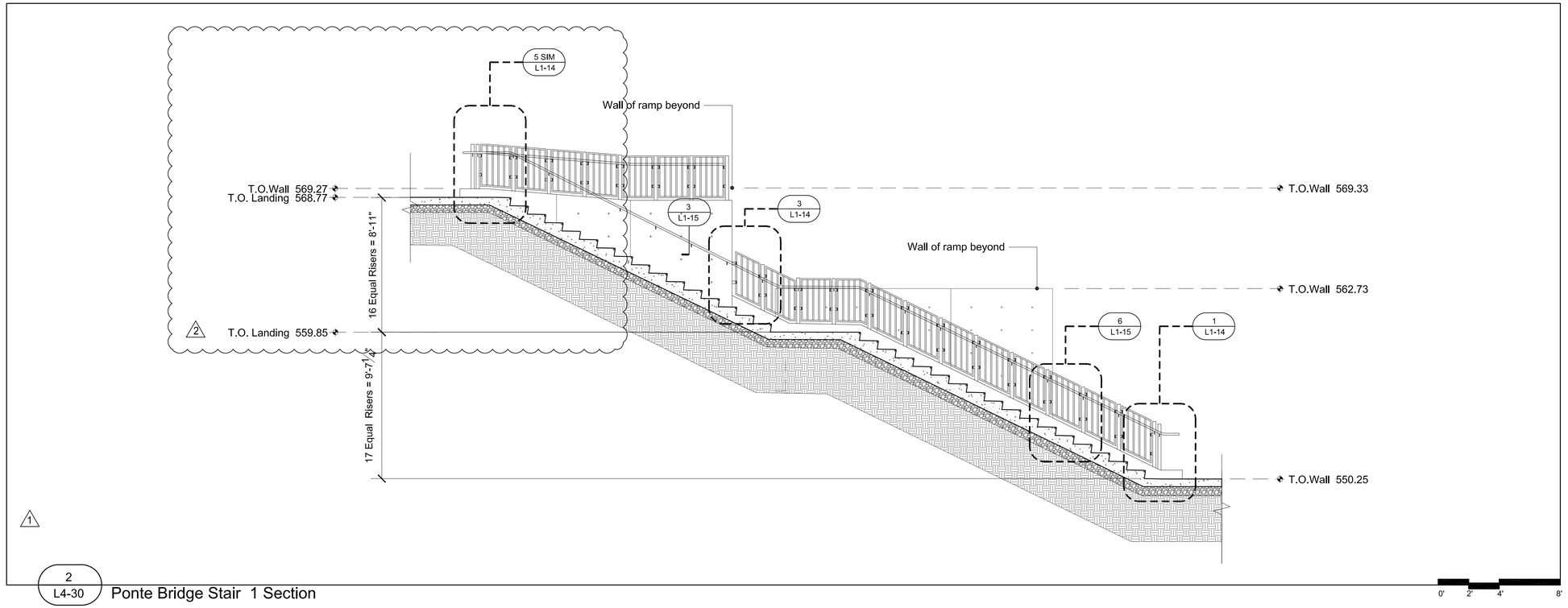
PARK AND STREETSCAPE IMPROVEMENTS
VITRUVIAN PARK

AREA UNDER PONTE BRIDGE HARDSCAPE PLAN

KEVIN SLOAN STUDIO
4145 Travis, Suite 105
Dallas, Texas 75204 (214) 379-1061

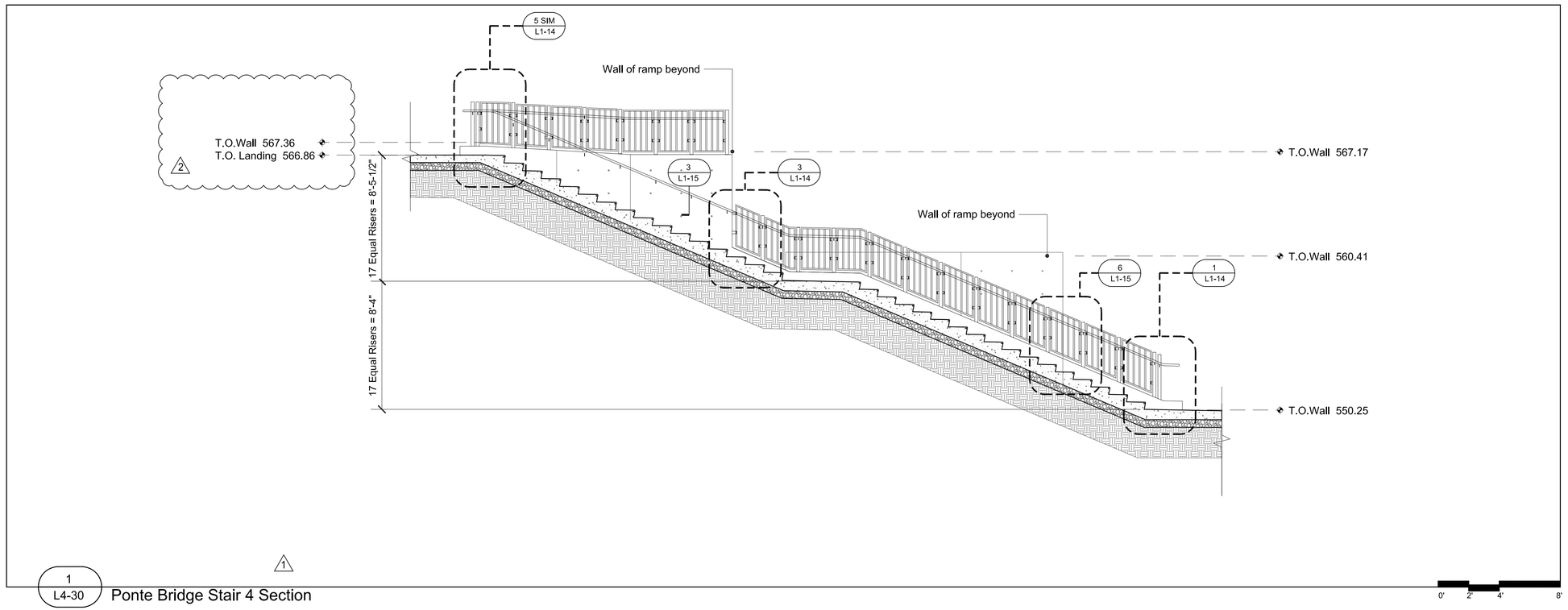
PROJECT	DESIGN	DRAWN	DATE	FILE	SHEET
5029-01	KWS	MM	APR 26, 2010	PW # 2009-04	L4-04

PARK AND STREETSCAPE IMPROVEMENTS - VITRUVIAN PARK



2
L4-30

Ponte Bridge Stair 1 Section



1
L4-30

Ponte Bridge Stair 4 Section

GENERAL NOTE

Refer to sheet L1-01 Design Selection Summary for specific product, finishes, and colors.

Refer to sheets L1-12 & L1-13 for furniture and park element details.

LEGEND

1. Project Limit
2. Not in Contract (N.I.C.): Information provided for design intent only.
3. Planting Area: Ref. L10-00's & L11-00's
4. Expansion Joint: Ref. Civil for detail
5. Tooled Control Joint: Ref. Civil for detail
6. Concrete Paving A
7. Concrete Paving B
8. Concrete Paving C
9. Concrete Paving D
10. Concrete Wall: ref. Structural
11A. Pavestone Concrete Paver A
11B. Pavestone Concrete Paver B
11C. Pavestone Concrete Paver C
11D. Pavestone Concrete Paver D
11E. Pavestone Concrete Paver E
12. Structural Concrete Masonry Unit Wall
13. Structural Fill: Reference Structural
14. Transformer/Switchgear: Ref. Civil
15. Drain Grate
16. Atrium Grate
17. Paver Grate
18. Metal Pergola
19. Metal Trellis
20. Trellis Above
21. Light Fixture Above
22. Metal Guard Rail
23. Metal Handrail
24. Metal Guard Rail and Handrail
25. Granite Bollard
26. Composite Decking
27. Concrete Pier: Locate in field to avoid conflict with existing tree roots - Ref. Structural
28. Structural Steel Beam: Ref. Structural
29. Structural Framing: Ref. Structural
30. Structural Steel Channel: Ref. Structural
31. Concrete walkway: Ref. Civil & Structural
32. Bridge: N.I.C. (Not In Contract)
33. Building Beyond: N.I.C. (Not In Contract)
34. Guardrail Beyond
35. Concrete Form Ties
36. Vertical Control Joints: Ref. Structural
37. Concrete Bench
38. Lake Edge Wall: Ref. Structural
39. Concrete Wall Beyond
40. Electrical: Ref. Civil
41. Concrete Curb - Reference structural
42. Access Panel - Reference structural
43. Vertical Control Joints: Ref. Structural
44. Concrete Weir: Reference Structural
45. Water
46. Hollow Metal Door and Frame
47. Existing Wooden Fence
48. Metal Gate
49. Limestone Boulder
50. Stone Veneer
60. Fully Grouted Beach Pebbles
61. Not Used
62. Not Used
63. Fountain Pool: Ref. Fountain Consultant
64. Fountain Water Supply Line: Reference Fountain Consultant
65. Fountain Drain Line: Reference Fountain Consultant
66. Not used
67. Not used
68. Pedestal Drinking Fountain
69. Litter Receptacle
70. Bench
71. Pet Waste Disposal System
72. Bike Rack
73. Gravel
74. Limestone Slab

LIGHTING

- SA (1,2,3,4,5,6,7,8,9) Pole Mount - ref. Civil
- SB Pole Mount - ref. Civil
- SC Wall Recessed - ref. Civil
- SE Suspended Strand - ref. Civil
- SE-1 Suspended Strand - ref. Civil
- SE-T Direct Imbedded Trans - ref. Civil
- SK1 Surface Mount - ref. Civil
- SK2 Surface Mount - ref. Civil
- L4 Pole Mount - ref. Civil
- L5 Ceiling Mount - ref. Civil

REGISTERED LANDSCAPE ARCHITECT KEVIN W. SLOAN 2296 STATE OF TEXAS

NO.	REVISION	BY	DATE
1	RFI 64	KSS	03/23/2011
2	PONTE GRADING REVISIONS	KSS	04/13/11

TOWN OF ADDISON
DALLAS COUNTY, TEXAS

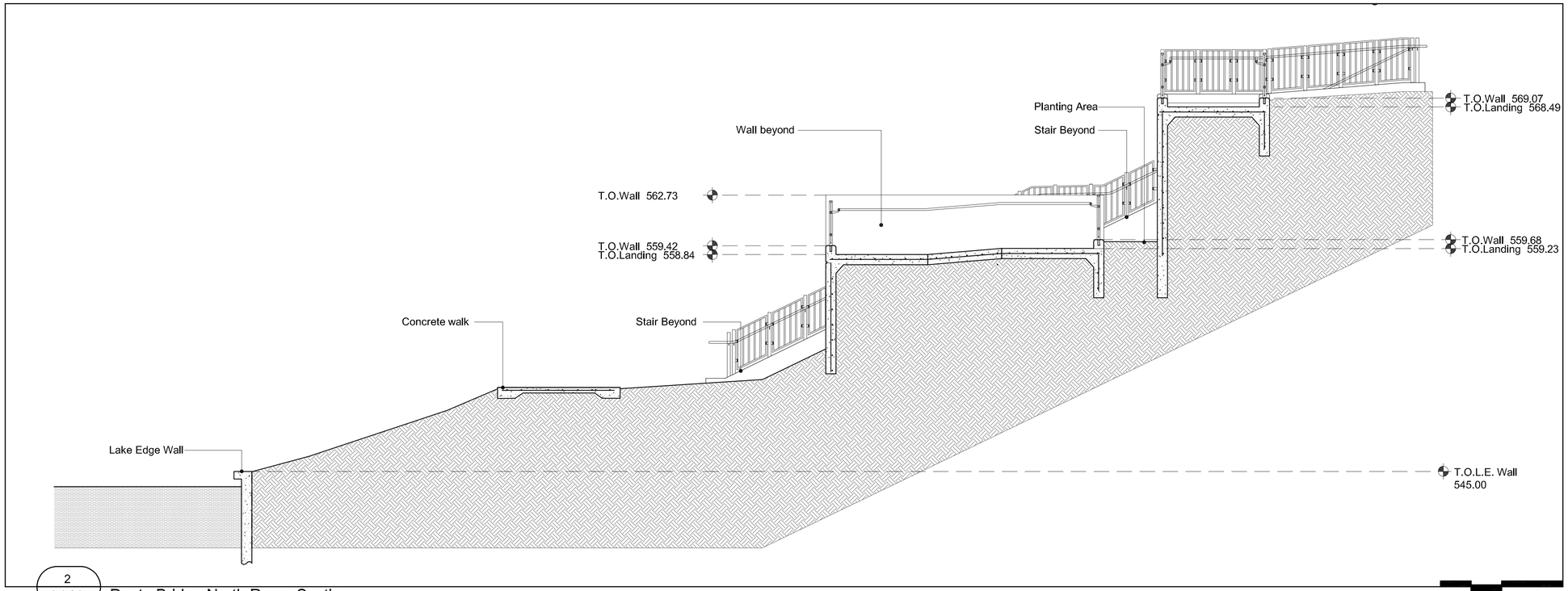
PARK AND STREETSCAPE IMPROVEMENTS
VITRUVIAN PARK

PONTE BRIDGE STAIR SECTIONS

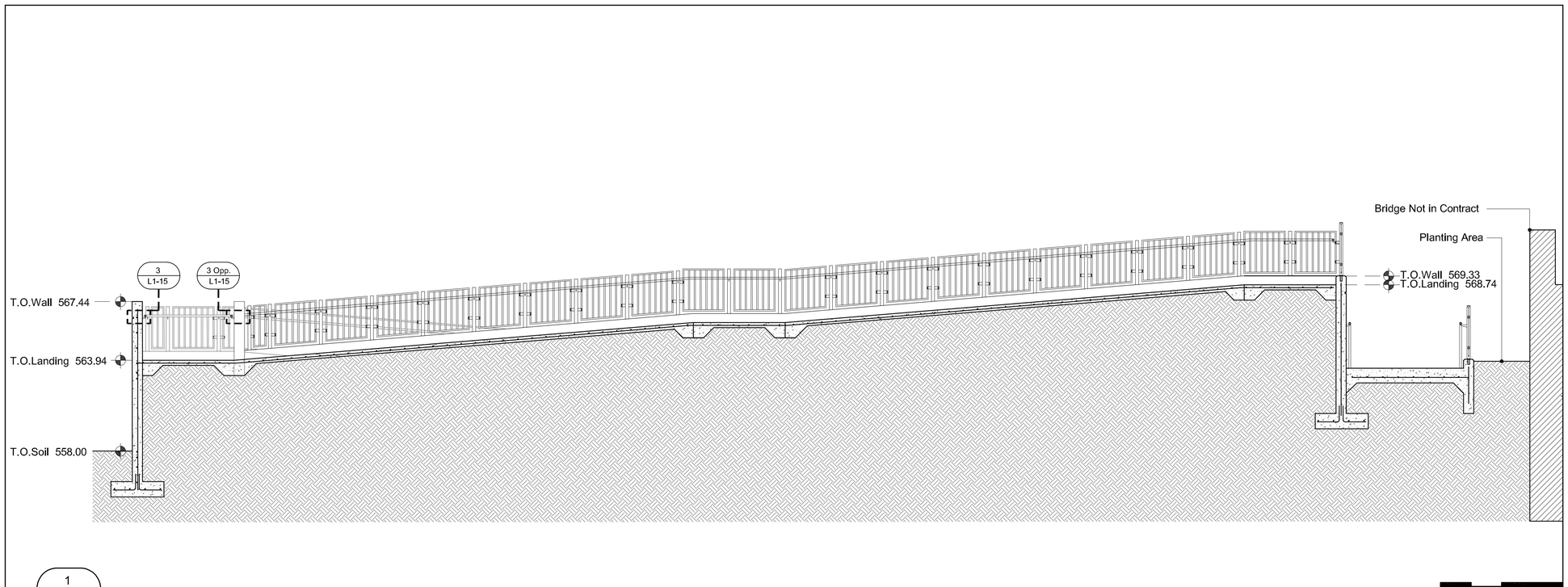
KEVIN SLOAN STUDIO
2400 Empire Central, Suite F
Dallas, Texas 75235 (214) 459-1784

PROJECT	DESIGN	DRAWN	DATE	FILE	SHEET
5029-01	KWS	MM	APR 26, 2010	PW # 2009-04	L4-30

PARK AND STREETSCAPE IMPROVEMENTS - VITRUVIAN PARK



2
L4-31
Ponte Bridge North Ramp Section



1
L4-31
Ponte Bridge North Ramp Section

GENERAL NOTE

Refer to sheet L1-01 Design Selection Summary for specific product, finishes, and colors.

Refer to sheets L1-12 & L1-13 for furniture and park element details.

LEGEND

1. Project Limit
2. Not in Contract (N.I.C.): Information provided for design intent only.
3. Planting Area: Ref. L10-00's & L11-00's
4. Expansion Joint: Ref. Civil for detail
5. Tooled Control Joint: Ref. Civil for detail
6. Concrete Paving A
7. Concrete Paving B
8. Concrete Paving C
9. Concrete Paving D
10. Concrete Wall: ref. Structural
11A. Pavestone Concrete Paver A
11B. Pavestone Concrete Paver B
11C. Pavestone Concrete Paver C
11D. Pavestone Concrete Paver D
11E. Pavestone Concrete Paver E
12. Structural Concrete Masonry Unit Wall
13. Structural Fill: Reference Structural
14. Transformer/Switchgear: Ref. Civil
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16. Atrium Grate
17. Paver Grate
18. Metal Pergola
19. Metal Trellis
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25. Granite Bollard
26. Composite Decking
27. Concrete Pier: Locate in field to avoid conflict with existing tree roots - Ref. Structural
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29. Structural Framing: Ref. Structural
30. Structural Steel Channel: Ref. Structural
31. Concrete walkway: Ref. Civil & Structural
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33. Building Beyond: N.I.C. (Not In Contract)
34. Guardrail Beyond
35. Concrete Form Ties
36. Vertical Control Joints: Ref. Structural
37. Concrete Bench
38. Lake Edge Wall: Ref. Structural
39. Concrete Wall Beyond
40. Electrical: Ref. Civil
41. Concrete Curb - Reference structural
42. Access Panel - Reference structural
43. Vertical Control Joints: Ref. Structural
44. Concrete Weir: Reference Structural
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46. Hollow Metal Door and Frame
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61. Not Used
62. Not Used
63. Fountain Pool: Ref. Fountain Consultant
64. Fountain Water Supply Line: Reference Fountain Consultant
65. Fountain Drain Line: Reference Fountain Consultant
66. Not used
67. Not used
68. Pedestal Drinking Fountain
69. Litter Receptacle
70. Bench
71. Pet Waste Disposal System
72. Bike Rack
73. Gravel
74. Limestone Slab

LIGHTING

- SA (1,2,3,4,5,6,7,8,9) Pole Mount - ref. Civil
- SB Pole Mount - ref. Civil
- SC Wall Recessed - ref. Civil
- SE Suspended Strand - ref. Civil
- SE-1 Suspended Strand - ref. Civil
- SE-1 Direct Imbedded Trans - ref. Civil
- SK1 Surface Mount - ref. Civil
- SK2 Surface Mount - ref. Civil
- L4 Pole Mount - ref. Civil
- L5 Ceiling Mount - ref. Civil

REGISTERED LANDSCAPE ARCHITECT
KEVIN W. SLOAN
2296
STATE OF TEXAS

NO.	REVISION	BY	DATE

TOWN OF ADDISON
DALLAS COUNTY, TEXAS

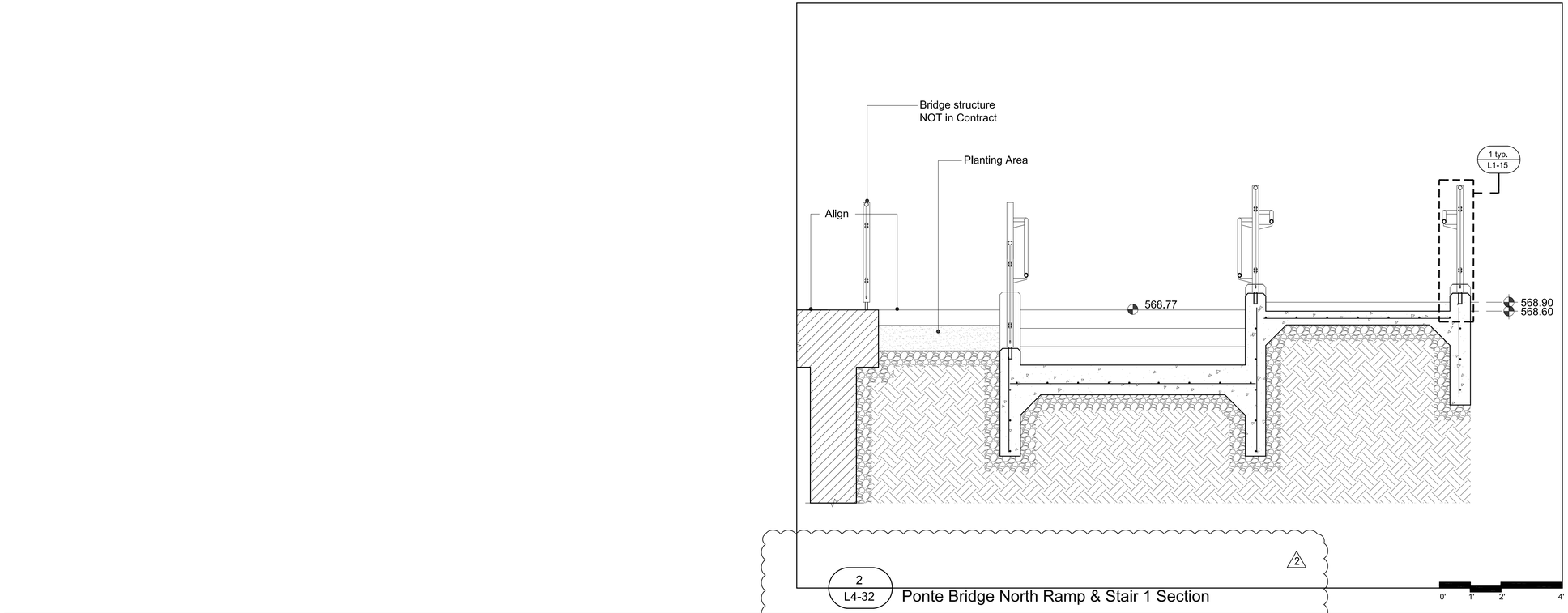
PARK AND STREETSCAPE IMPROVEMENTS
VITRUVIAN PARK

PONTE BRIDGE NORTH RAMP SECTIONS

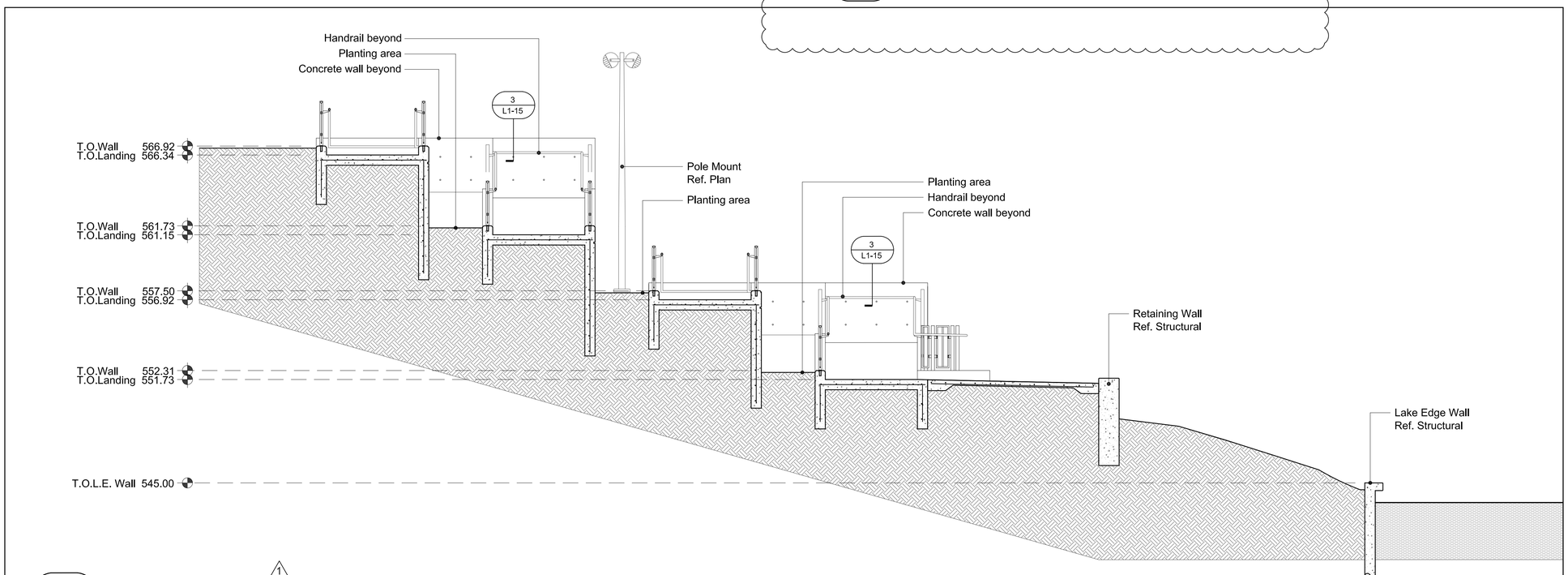
KEVIN SLOAN STUDIO
4145 Travis, Suite 105
Dallas, Texas 75204 (214) 379-1061

PROJECT	DESIGN	DRAWN	DATE	FILE	SHEET
5029-01	KWS	MM	APR 26, 2010	PW # 2009-04	L4-31

PARK AND STREETSCAPE IMPROVEMENTS - VITRUVIAN PARK



2
L4-32 Ponte Bridge North Ramp & Stair 1 Section



1
L4-32 Ponte Bridge North Ramp

GENERAL NOTE

Refer to sheet L1-01 Design Selection Summary for specific product, finishes, and colors.

Refer to sheets L1-12 & L1-13 for furniture and park element details.

LEGEND

1. Project Limit
2. Not in Contract (N.I.C.); Information provided for design intent only.
3. Planting Area: Ref. L10-00's & L11-00's
4. Expansion Joint: Ref. Civil for detail
5. Tooled Control Joint: Ref. Civil for detail
6. Concrete Paving A
7. Concrete Paving B
8. Concrete Paving C
9. Concrete Paving D
10. Concrete Wall: ref. Structural
11A. Pavestone Concrete Paver A
11B. Pavestone Concrete Paver B
11C. Pavestone Concrete Paver C
11D. Pavestone Concrete Paver D
11E. Pavestone Concrete Paver E
12. Structural Concrete Masonry Unit Wall
13. Structural Fill: Reference Structural
14. Transformer/Switchgear: Ref. Civil
15. Drain Grate
16. Atrium Grate
17. Paver Grate
18. Metal Pergola
19. Metal Trellis
20. Trellis Above
21. Light Fixture Above
22. Metal Guard Rail
23. Metal Handrail
24. Metal Guard Rail and Handrail
25. Granite Bollard
26. Composite Decking
27. Concrete Pier: Locate in field to avoid conflict with existing tree roots - Ref. Structural
28. Structural Steel Beam: Ref. Structural
29. Structural Framing: Ref. Structural
30. Structural Steel Channel: Ref. Structural
31. Concrete walkway: Ref. Civil & Structural
32. Bridge: N.I.C. (Not In Contract)
33. Building Beyond: N.I.C. (Not In Contract)
34. Guardrail Beyond
35. Concrete Form Ties
36. Vertical Control Joints: Ref. Structural
37. Concrete Bench
38. Lake Edge Wall: Ref. Structural
39. Concrete Wall Beyond
40. Electrical: Ref. Civil
41. Concrete Curb - Reference structural
42. Access Panel - Reference structural
43. Vertical Control Joints: Ref. Structural
44. Concrete Weir: Reference Structural
45. Water
46. Hollow Metal Door and Frame
47. Existing Wooden Fence
48. Metal Gate
49. Limestone Boulder
50. Stone Veneer
60. Fully Grouted Beach Pebbles
61. Not Used
62. Not Used
63. Fountain Pool: Ref. Fountain Consultant
64. Fountain Water Supply Line: Reference Fountain Consultant
65. Fountain Drain Line: Reference Fountain Consultant
66. Not used
67. Not used
68. Pedestal Drinking Fountain
69. Litter Receptacle
70. Bench
71. Pet Waste Disposal System
72. Bike Rack
73. Gravel
74. Limestone Slab

LIGHTING

- SA (1,2,3,4,5,6,7,8,9) Pole Mount - ref. Civil
- SB Pole Mount - ref. Civil
- SC Wall Recessed - ref. Civil
- SE Suspended Strand - ref. Civil
- SE-1 Suspended Strand - ref. Civil
- SE-T Direct Imbedded Trans - ref. Civil
- SK1 Surface Mount - ref. Civil
- SK2 Surface Mount - ref. Civil
- L4 Pole Mount - ref. Civil
- L5 Ceiling Mount - ref. Civil

REGISTERED LANDSCAPE ARCHITECT KEVIN W. SLOAN 2296 STATE OF TEXAS

NO.	REVISION	BY	DATE
1	RFI 64	KSS	03/23/2011
2	PONTE GRADING REVISIONS	KSS	04/13/11

TOWN OF ADDISON
DALLAS COUNTY, TEXAS

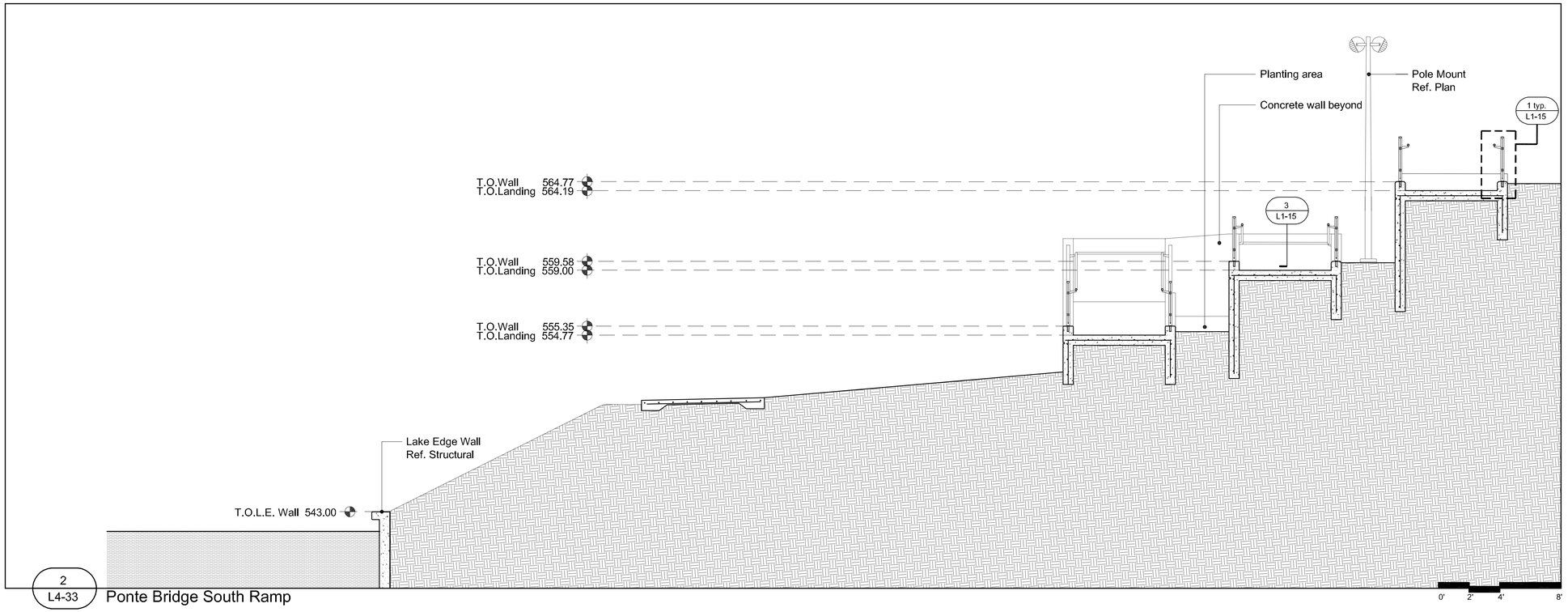
PARK AND STREETSCAPE IMPROVEMENTS
VITRUVIAN PARK

PONTE BRIDGE NORTH RAMP SECTIONS

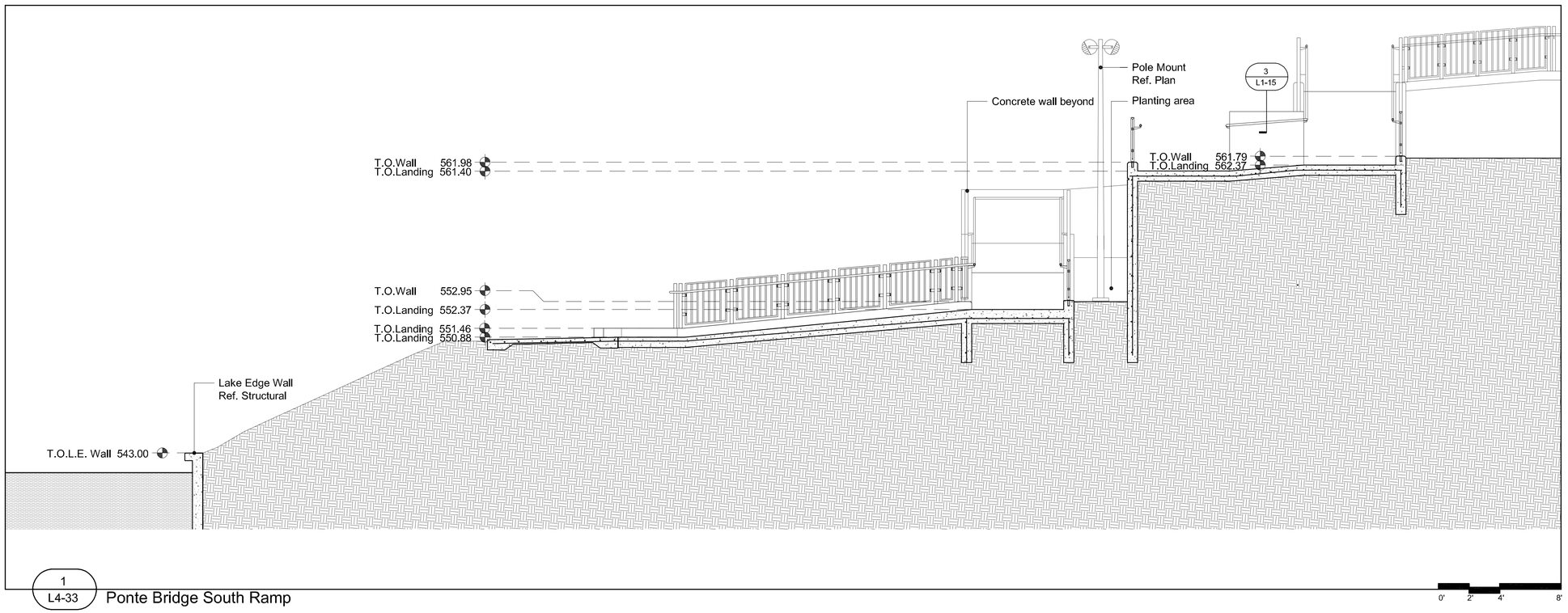
KEVIN SLOAN STUDIO
2400 Empire Central, Suite F
Dallas, Texas 75235 (214) 459-1784

PROJECT	DESIGN	DRAWN	DATE	FILE	SHEET
5029-01	KWS	MM	APR 26, 2010	PW # 2009-04	L4-32

PARK AND STREETSCAPE IMPROVEMENTS - VITRUVIAN PARK



2
L4-33
Ponte Bridge South Ramp



1
L4-33
Ponte Bridge South Ramp

GENERAL NOTE

Refer to sheet L1-01 Design Selection Summary for specific product, finishes, and colors.

Refer to sheets L1-12 & L1-13 for furniture and park element details.

LEGEND

1. Project Limit
2. Not in Contract (N.I.C.): Information provided for design intent only.
3. Planting Area: Ref. L10-00's & L11-00's
4. Expansion Joint: Ref. Civil for detail
5. Tooled Control Joint: Ref. Civil for detail
6. Concrete Paving A
7. Concrete Paving B
8. Concrete Paving C
9. Concrete Paving D
10. Concrete Wall: ref. Structural
11A. Pavestone Concrete Paver A
11B. Pavestone Concrete Paver B
11C. Pavestone Concrete Paver C
11D. Pavestone Concrete Paver D
11E. Pavestone Concrete Paver E
12. Structural Concrete Masonry Unit Wall
13. Structural Fill: Reference Structural
14. Transformer/Switchgear: Ref. Civil
15. Drain Grate
16. Atrium Grate
17. Paver Grate
18. Metal Pergola
19. Metal Trellis
20. Trellis Above
21. Light Fixture Above
22. Metal Guard Rail
23. Metal Handrail
24. Metal Guard Rail and Handrail
25. Granite Bollard
26. Composite Decking
27. Concrete Pier: Locate in field to avoid conflict with existing tree roots - Ref. Structural
28. Structural Steel Beam: Ref. Structural
29. Structural Framing: Ref. Structural
30. Structural Steel Channel: Ref. Structural
31. Concrete walkway: Ref. Civil & Structural
32. Bridge: N.I.C. (Not In Contract)
33. Building Beyond: N.I.C. (Not In Contract)
34. Guardrail Beyond
35. Concrete Form Ties
36. Vertical Control Joints: Ref. Structural
37. Concrete Bench
38. Lake Edge Wall: Ref. Structural
39. Concrete Wall Beyond
40. Electrical: Ref. Civil
41. Concrete Curb - Reference structural
42. Access Panel - Reference structural
43. Vertical Control Joints: Ref. Structural
44. Concrete Weir: Reference Structural
45. Water
46. Hollow Metal Door and Frame
47. Existing Wooden Fence
48. Metal Gate
49. Limestone Boulder
50. Stone Veneer
60. Fully Grouted Beach Pebbles
61. Not Used
62. Not Used
63. Fountain Pool: Ref. Fountain Consultant
64. Fountain Water Supply Line: Reference Fountain Consultant
65. Fountain Drain Line: Reference Fountain Consultant
66. Not used
67. Not used
68. Pedestal Drinking Fountain
69. Litter Receptacle
70. Bench
71. Pet Waste Disposal System
72. Bike Rack
73. Gravel
74. Limestone Slab

LIGHTING

- SA (1,2,3,4,5,6,7,8,9) Pole Mount - ref. Civil
- SB Pole Mount - ref. Civil
- SC Wall Recessed - ref. Civil
- SE Suspended Strand - ref. Civil
- SE-1 Suspended Strand - ref. Civil
- SE-1 Direct Imbedded Trans - ref. Civil
- SK1 Surface Mount - ref. Civil
- SK2 Surface Mount - ref. Civil
- L4 Pole Mount - ref. Civil
- L5 Ceiling Mount - ref. Civil

REGISTERED LANDSCAPE ARCHITECT
KEVIN W. SLOAN
2296
STATE OF TEXAS

NO.	REVISION	BY	DATE

TOWN OF ADDISON
DALLAS COUNTY, TEXAS

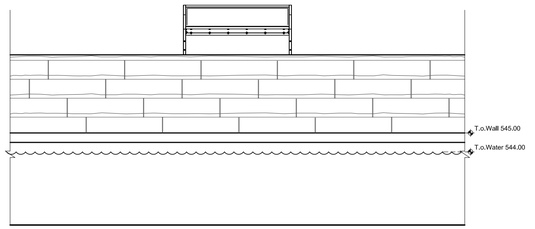
PARK AND STREETSCAPE IMPROVEMENTS
VITRUVIAN PARK

PONTE BRIDGE SOUTH RAMP SECTIONS

KEVIN SLOAN STUDIO
4145 Travis, Suite 105
Dallas, Texas 75204 (214) 379-1061

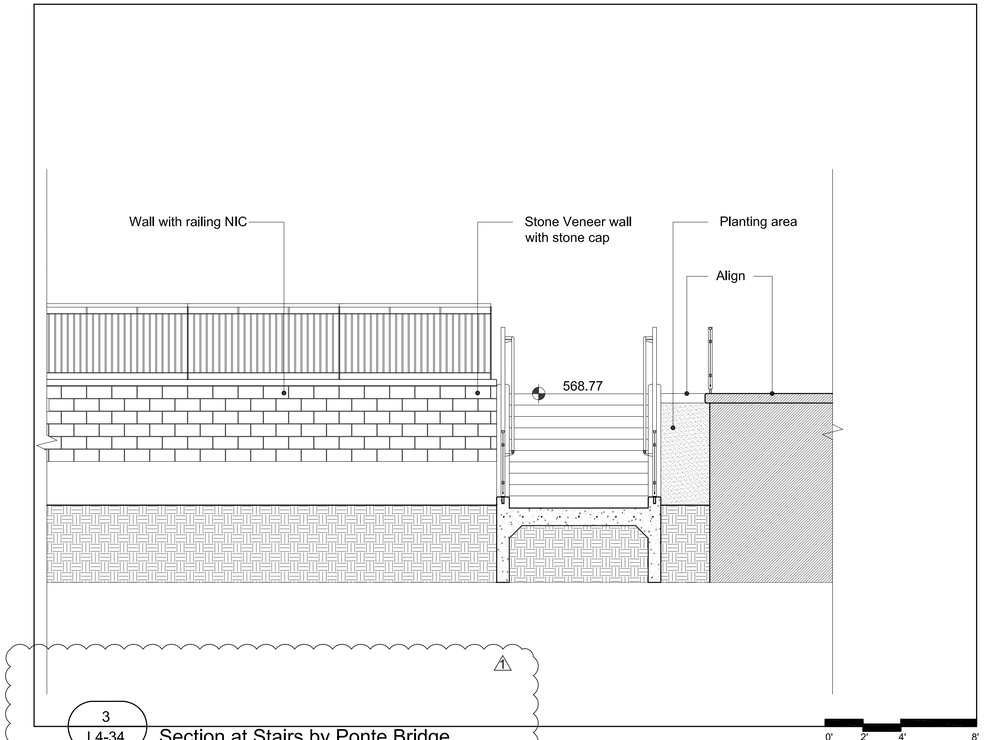
PROJECT	DESIGN	DRAWN	DATE	FILE	SHEET
5029-01	KWS	MM	APR 26, 2010	PW # 2009-04	L4-33

PARK AND STREETSCAPE IMPROVEMENTS - VITRUVIAN PARK



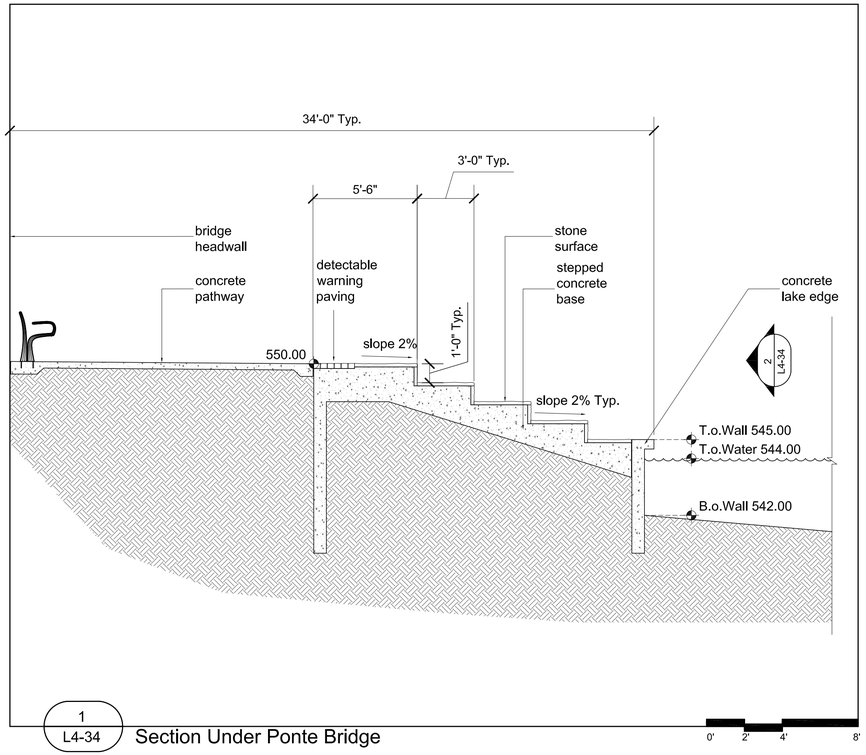
2
L4-34
Elevation of a Segment Under Ponte Bridge

0' 2' 4' 8'



3
L4-34
Section at Stairs by Ponte Bridge

0' 2' 4' 8'



1
L4-34
Section Under Ponte Bridge

0' 2' 4' 8'

GENERAL NOTE

Refer to sheet L1-01 Design Selection Summary for specific product, finishes, and colors.

Refer to sheets L1-12 & L1-13 for furniture and park element details.

LEGEND

1. Project Limit
2. Not in Contract (N.I.C.): Information provided for design intent only.
3. Planting Area: Ref. L10-00's & L11-00's
4. Expansion Joint: Ref. Civil for detail
5. Tooled Control Joint: Ref. Civil for detail
6. Concrete Paving A
7. Concrete Paving B
8. Concrete Paving C
9. Concrete Paving D
10. Concrete Wall: ref. Structural
11A. Pavestone Concrete Paver A
11B. Pavestone Concrete Paver B
11C. Pavestone Concrete Paver C
11D. Pavestone Concrete Paver D
11E. Pavestone Concrete Paver E
12. Structural Concrete Masonry Unit Wall
13. Structural Fill: Reference Structural
14. Transformer/Switchgear: Ref. Civil
15. Drain Grate
16. Atrium Grate
17. Paver Grate
18. Metal Pergola
19. Metal Trellis
20. Trellis Above
21. Light Fixture Above
22. Metal Guard Rail
23. Metal Handrail
24. Metal Guard Rail and Handrail
25. Granite Bollard
26. Composite Decking
27. Concrete Pier: Locate in field to avoid conflict with existing tree roots - Ref. Structural
28. Structural Steel Beam: Ref. Structural
29. Structural Framing: Ref. Structural
30. Structural Steel Channel: Ref. Structural
31. Concrete walkway: Ref. Civil & Structural
32. Bridge: N.I.C. (Not In Contract)
33. Building Beyond: N.I.C. (Not In Contract)
34. Guardrail Beyond
35. Concrete Form Ties
36. Vertical Control Joints: Ref. Structural
37. Concrete Bench
38. Lake Edge Wall: Ref. Structural
39. Concrete Wall Beyond
40. Electrical: Ref. Civil
41. Concrete Curb - Reference structural
42. Access Panel - Reference structural
43. Vertical Control Joints: Ref. Structural
44. Concrete Weir: Reference Structural
45. Water
46. Hollow Metal Door and Frame
47. Existing Wooden Fence
48. Metal Gate
49. Limestone Boulder
50. Stone Veneer
60. Fully Grouted Beach Pebbles
61. Not Used
62. Not Used
63. Fountain Pool: Ref. Fountain Consultant
64. Fountain Water Supply Line: Reference Fountain Consultant
65. Fountain Drain Line: Reference Fountain Consultant
66. Not used
67. Not used
68. Pedestal Drinking Fountain
69. Litter Receptacle
70. Bench
71. Pet Waste Disposal System
72. Bike Rack
73. Gravel
74. Limestone Slab

LIGHTING

- SA (1,2,3,4,5,6,7,8,9) Pole Mount - ref. Civil
- SB Pole Mount - ref. Civil
- SC Wall Recessed - ref. Civil
- SE Suspended Strand - ref. Civil
- SE-1 Suspended Strand - ref. Civil
- SE-T Direct Imbedded Trans - ref. Civil
- SK1 Surface Mount - ref. Civil
- SK2 Surface Mount - ref. Civil
- L4 Pole Mount - ref. Civil
- L5 Ceiling Mount - ref. Civil

REGISTERED LANDSCAPE ARCHITECT KEVIN W. SLOAN 2296 STATE OF TEXAS

NO.	REVISION	BY	DATE
1	PONTE GRADING REVISIONS	KSS	04/13/11

Addison

TOWN OF ADDISON
DALLAS COUNTY, TEXAS

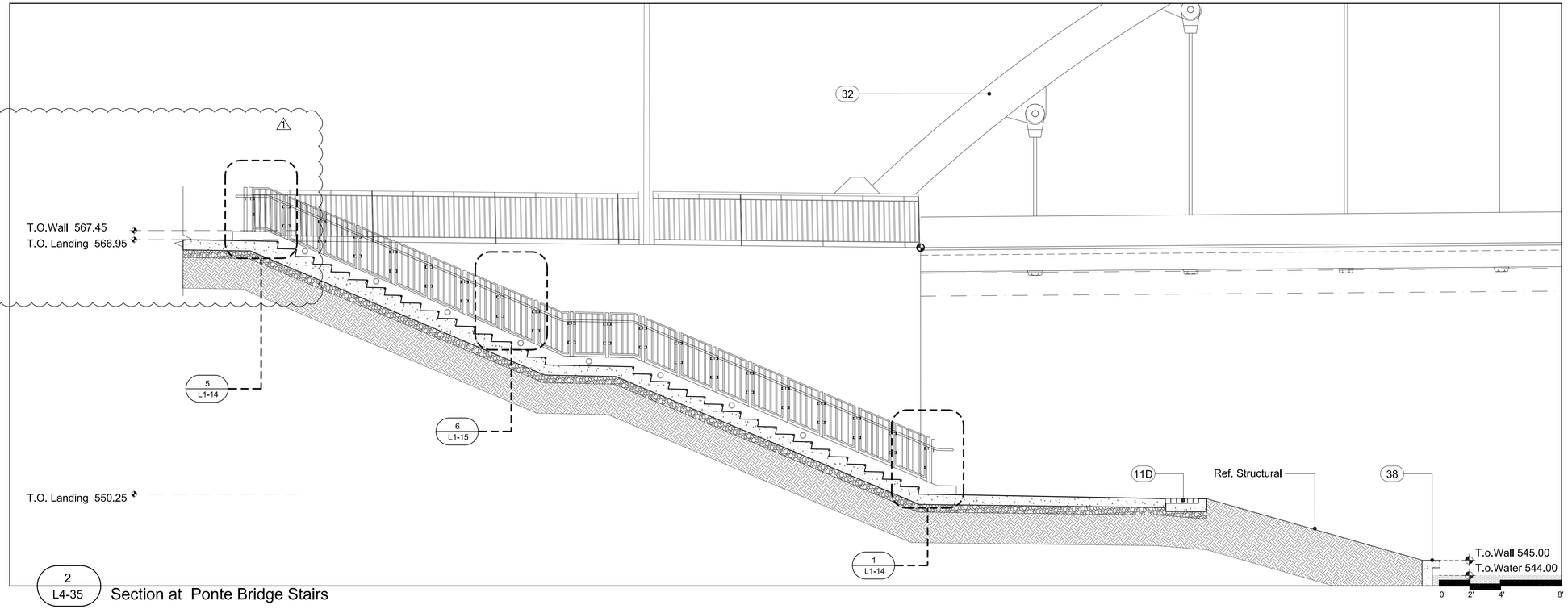
PARK AND STREETSCAPE IMPROVEMENTS
VITRUVIAN PARK

PONTE BRIDGE UNDER SECTION

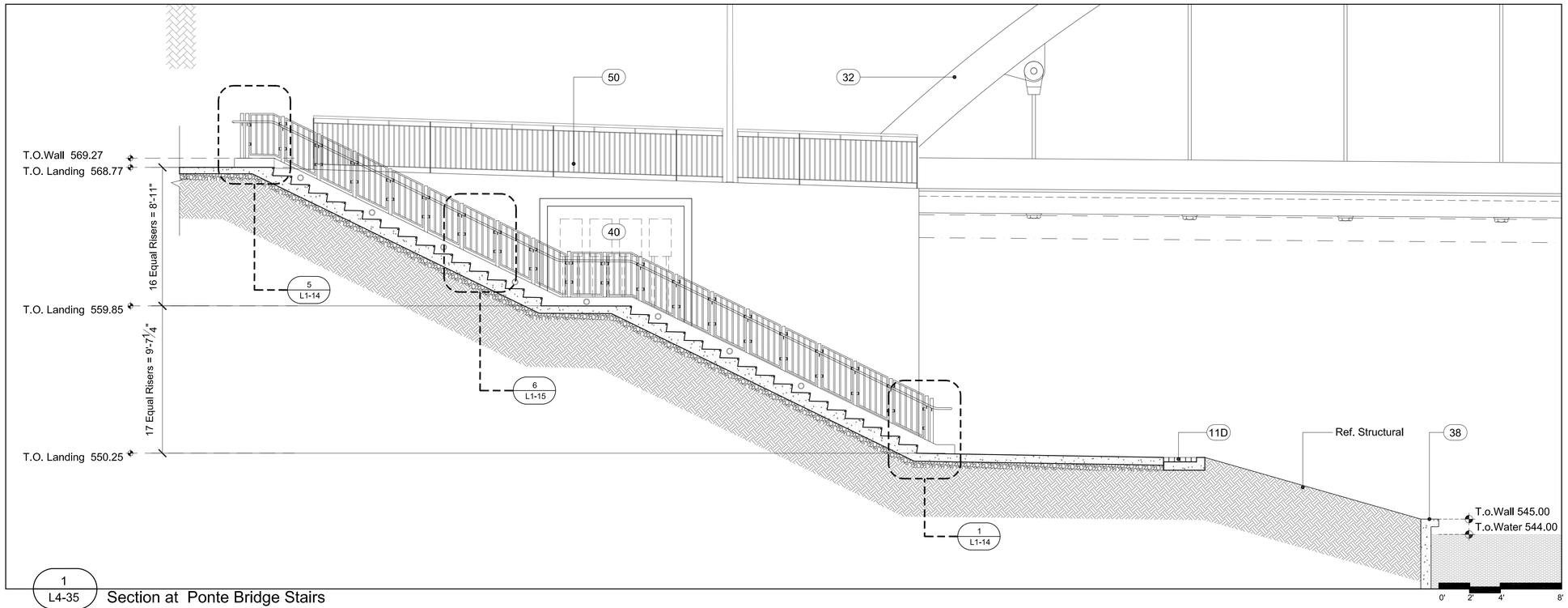
KEVIN SLOAN STUDIO
2400 Empire Central, Suite F
Dallas, Texas 75235 (214) 459-1784

PROJECT	DESIGN	DRAWN	DATE	FILE	SHEET
5029-01	KWS	MM	APR 26, 2010	PW # 2009-04	L4-34

PARK AND STREETSCAPE IMPROVEMENTS - VITRUVIAN PARK



2 L4-35 Section at Ponte Bridge Stairs



1 L4-35 Section at Ponte Bridge Stairs

GENERAL NOTE

Refer to sheet L1-01 Design Selection Summary for specific product, finishes, and colors.

Refer to sheets L1-12 & L1-13 for furniture and park element details.

LEGEND

1. Project Limit
2. Not in Contract (N.I.C.): Information provided for design intent only.
3. Planting Area: Ref. L10-00's & L11-00's
4. Expansion Joint: Ref. Civil for detail
5. Tooled Control Joint: Ref. Civil for detail
6. Concrete Paving A
7. Concrete Paving B
8. Concrete Paving C
9. Concrete Paving D
10. Concrete Wall: ref. Structural
11A. Pavestone Concrete Paver A
11B. Pavestone Concrete Paver B
11C. Pavestone Concrete Paver C
11D. Pavestone Concrete Paver D
11E. Pavestone Concrete Paver E
12. Structural Concrete Masonry Unit Wall
13. Structural Fill: Reference Structural
14. Transformer/Switchgear: Ref. Civil
15. Drain Grate
16. Atrium Grate
17. Paver Grate
18. Metal Pergola
19. Metal Trellis
20. Trellis Above
21. Light Fixture Above
22. Metal Guard Rail
23. Metal Handrail
24. Metal Guard Rail and Handrail
25. Granite Bollard
26. Composite Decking
27. Concrete Pier: Locate in field to avoid conflict with existing tree roots - Ref. Structural
28. Structural Steel Beam: Ref. Structural
29. Structural Framing: Ref. Structural
30. Structural Steel Channel: Ref. Structural
31. Concrete walkway: Ref. Civil & Structural
32. Bridge: N.I.C. (Not In Contract)
33. Building Beyond: N.I.C. (Not In Contract)
34. Guardrail Beyond
35. Concrete Form Ties
36. Vertical Control Joints: Ref. Structural
37. Concrete Bench
38. Lake Edge Wall: Ref. Structural
39. Concrete Wall Beyond
40. Electrical: Ref. Civil
41. Concrete Curb - Reference structural
42. Access Panel - Reference structural
43. Vertical Control Joints: Ref. Structural
44. Concrete Weir: Reference Structural
45. Water
46. Hollow Metal Door and Frame
47. Existing Wooden Fence
48. Metal Gate
49. Limestone Boulder
50. Stone Veneer
60. Fully Grouted Beach Pebbles
61. Not Used
62. Not Used
63. Fountain Pool: Ref. Fountain Consultant
64. Fountain Water Supply Line: Reference Fountain Consultant
65. Fountain Drain Line: Reference Fountain Consultant
66. Not used
67. Not used
68. Pedestal Drinking Fountain
69. Litter Receptacle
70. Bench
71. Pet Waste Disposal System
72. Bike Rack
73. Gravel
74. Limestone Slab

LIGHTING

- SA (1,2,3,4,5,6,7,8,9) Pole Mount - ref. Civil
- SB Pole Mount - ref. Civil
- SC Wall Recessed - ref. Civil
- SE Suspended Strand - ref. Civil
- SE-1 Suspended Strand - ref. Civil
- SE-T Direct Imbedded Trans - ref. Civil
- SK1 Surface Mount - ref. Civil
- SK2 Surface Mount - ref. Civil
- L4 Pole Mount - ref. Civil
- L5 Ceiling Mount - ref. Civil

REGISTERED LANDSCAPE ARCHITECT KEVIN W. SLOAN 2296 STATE OF TEXAS

NO.	REVISION	BY	DATE
1	PONTE GRADING	KSS	04/13/11

TOWN OF ADDISON
DALLAS COUNTY, TEXAS

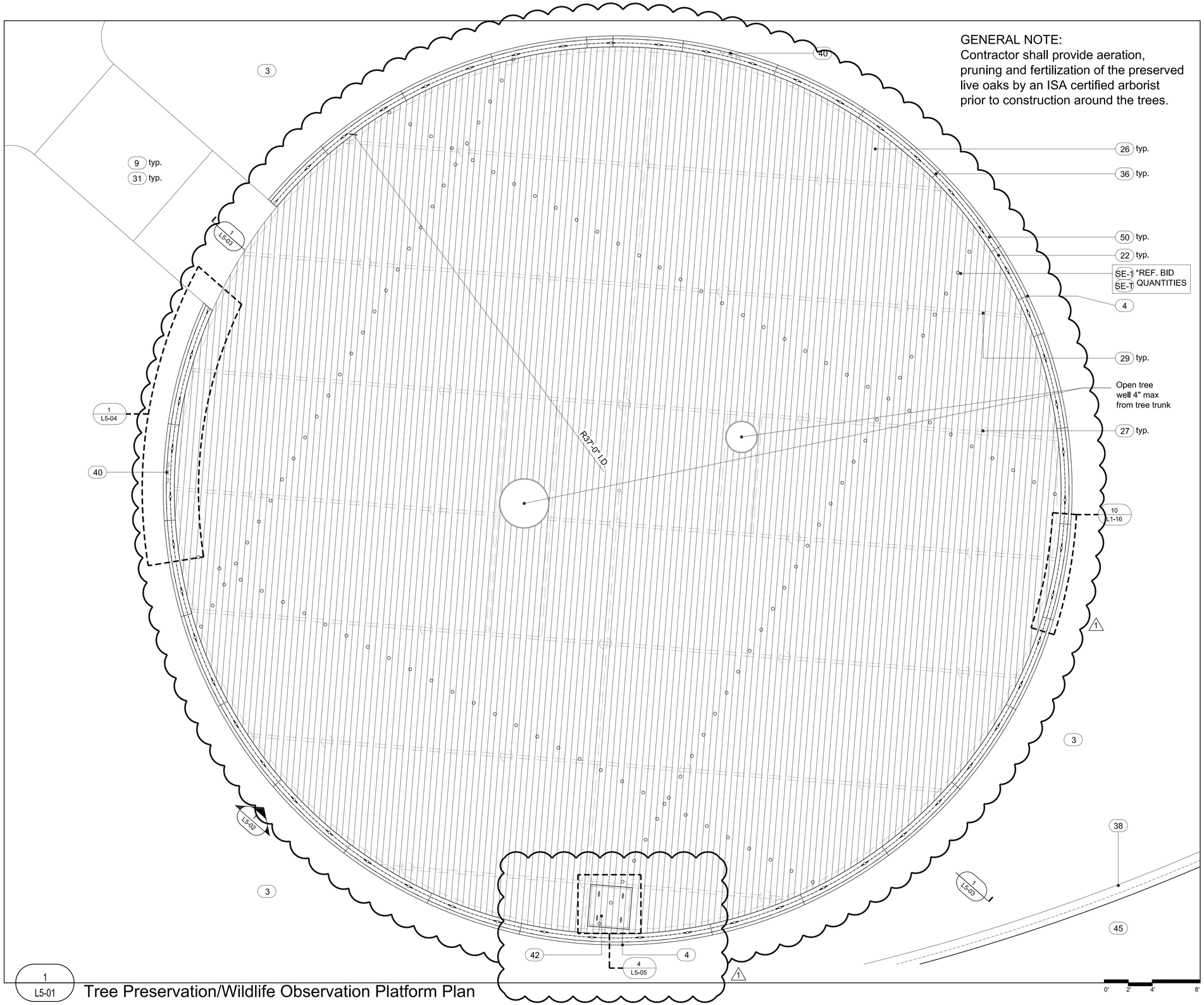
PARK AND STREETSCAPE IMPROVEMENTS
VITRUVIAN PARK

PONTE BRIDGE STAIR SECTIONS

KEVIN SLOAN STUDIO
2400 Empire Central, Suite F
Dallas, Texas 75235 (214) 459-1784

PROJECT	DESIGN	DRAWN	DATE	FILE	SHEET
5029-01	KWS	MM	APR 26, 2010	PW # 2009-04	L4-35

PARK AND STREETSCAPE IMPROVEMENTS - VITRUVIAN PARK



1
L5-01

Tree Preservation/Wildlife Observation Platform Plan

GENERAL NOTE

Refer to sheet L1-01 Design Selection Summary for specific product, finishes, and colors.

Refer to sheets L1-12 & L1-13 for furniture and park element details.

LEGEND

1. Project Limit
2. Not in Contract (N.I.C.): Information provided for design intent only.
3. Planting Area: Ref. L10-00's & L11-00's
4. Expansion Joint: Ref. Civil for detail
5. Tooled Control Joint: Ref. Civil for detail
6. Concrete Paving A
7. Concrete Paving B
8. Concrete Paving C
9. Concrete Paving D
10. Concrete Wall: ref. Structural
11A. Pavestone Concrete Paver A
11B. Pavestone Concrete Paver B
11C. Pavestone Concrete Paver C
11D. Pavestone Concrete Paver D
11E. Pavestone Concrete Paver E
12. Structural Concrete Masonry Unit Wall
13. Structural Fill: Reference Structural
14. Transformer/Switchgear: Ref. Civil
15. Drain Grate
16. Atrium Grate
17. Paver Grate
18. Metal Pergola
19. Metal Trellis
20. Trellis Above
21. Light Fixture Above
22. Metal Guard Rail
23. Metal Handrail
24. Metal Guard Rail and Handrail
25. Granite Bollard
26. Composite Decking
27. Concrete Pier: Locate in field to avoid conflict with existing tree roots - Ref. Structural
28. Structural Steel Beam: Ref. Structural
29. Structural Framing: Ref. Structural
30. Structural Steel Channel: Ref. Structural
31. Concrete walkway: Ref. Civil & Structural
32. Bridge: N.I.C. (Not In Contract)
33. Building Beyond: N.I.C. (Not In Contract)
34. Guardrail Beyond
35. Concrete Form Ties
36. Vertical Control Joints: Ref. Structural
37. Concrete Bench
38. Lake Edge Wall: Ref. Structural
39. Concrete Wall Beyond
40. Electrical: Ref. Civil
41. Concrete Curb - Reference structural
42. Access Panel - Reference structural
43. Vertical Control Joints: Ref. Structural
44. Concrete Weir: Reference Structural
45. Water
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47. Existing Wooden Fence
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50. Stone Veneer
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61. Not Used
62. Not Used
63. Fountain Pool: Ref. Fountain Consultant
64. Fountain Water Supply Line: Reference Fountain Consultant
65. Fountain Drain Line: Reference Fountain Consultant
66. Not used
67. Not used
68. Pedestal Drinking Fountain
69. Litter Receptacle
70. Bench
71. Pet Waste Disposal System
72. Bike Rack
73. Gravel
74. Limestone Slab

LIGHTING

- SA (1,2,3,4,5,6,7,8,9) Pole Mount - ref. Civil
- SB Pole Mount - ref. Civil
- SC Wall Recessed - ref. Civil
- SE Suspended Strand - ref. Civil
- SE-1 Suspended Strand - ref. Civil
- SE-T Direct Imbedded Trans - ref. Civil
- SK1 Surface Mount - ref. Civil
- SK2 Surface Mount - ref. Civil
- L4 Pole Mount - ref. Civil
- L5 Ceiling Mount - ref. Civil

REGISTERED LANDSCAPE ARCHITECT KEVIN W. SLOAN 2296 STATE OF TEXAS

NO.	REVISION	BY	DATE
1	TREX DECK ORIENTATION & ACCESS PANEL		03/03/2011

TOWN OF ADDISON
DALLAS COUNTY, TEXAS

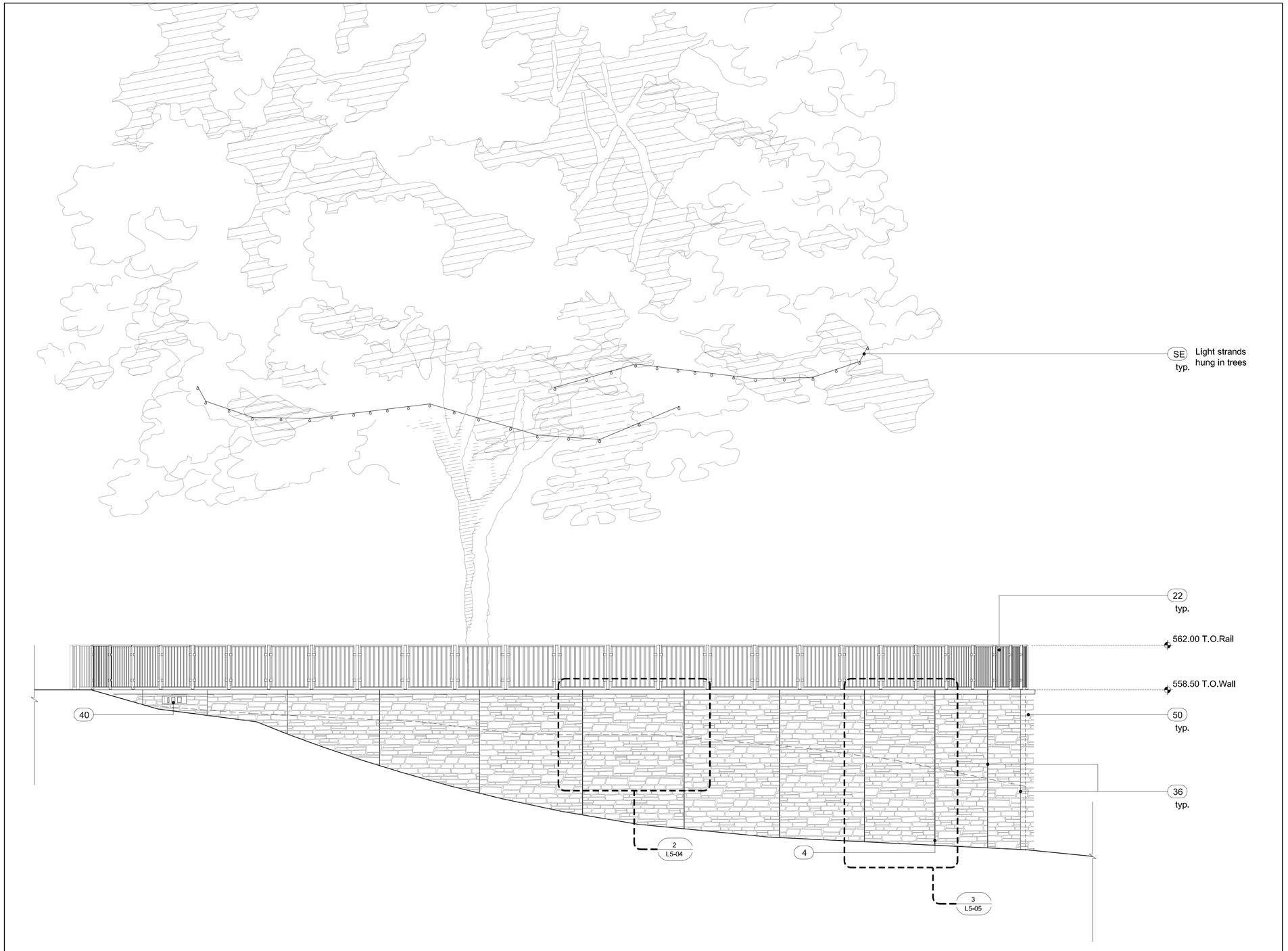
PARK AND STREETSCAPE IMPROVEMENTS
VITRUVIAN PARK

TREE PRESERVATION/WILDLIFE OBSERVATION PLATFORM PLAN

KEVIN SLOAN STUDIO
2400 Empire Central, Suite F
Dallas, Texas 75235 (214) 459-1784

PROJECT	DESIGN	DRAWN	DATE	FILE	SHEET
5029-01	KWS		APR 26, 2010	PW # 2009-04	L5-01

PARK AND STREETSCAPE IMPROVEMENTS - VITRUVIAN PARK



1
L5-02

Tree Preservation/Wildlife Observation Platform Elevation

GENERAL NOTE

Refer to sheet L1-01 Design Selection Summary for specific product, finishes, and colors.

Refer to sheets L1-12 & L1-13 for furniture and park element details.

LEGEND

1. Project Limit
2. Not in Contract (N.I.C.): Information provided for design intent only.
3. Planting Area: Ref. L10-00's & L11-00's
4. Expansion Joint: Ref. Civil for detail
5. Tooled Control Joint: Ref. Civil for detail
6. Concrete Paving A
7. Concrete Paving B
8. Concrete Paving C
9. Concrete Paving D
10. Concrete Wall: ref. Structural
11A. Pavestone Concrete Paver A
11B. Pavestone Concrete Paver B
11C. Pavestone Concrete Paver C
11D. Pavestone Concrete Paver D
11E. Pavestone Concrete Paver E
12. Structural Concrete Masonry Unit Wall
13. Structural Fill: Reference Structural
14. Transformer/Switchgear: Ref. Civil
15. Drain Grate
16. Atrium Grate
17. Paver Grate
18. Metal Pergola
19. Metal Trellis
20. Trellis Above
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24. Metal Guard Rail and Handrail
25. Granite Bollard
26. Composite Decking
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28. Structural Steel Beam: Ref. Structural
29. Structural Framing: Ref. Structural
30. Structural Steel Channel: Ref. Structural
31. Concrete walkway: Ref. Civil & Structural
32. Bridge: N.I.C. (Not In Contract)
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34. Guardrail Beyond
35. Concrete Form Ties
36. Vertical Control Joints: Ref. Structural
37. Concrete Bench
38. Lake Edge Wall: Ref. Structural
39. Concrete Wall Beyond
40. Electrical: Ref. Civil
41. Concrete Curb - Reference structural
42. Access Panel - Reference structural
43. Vertical Control Joints: Ref. Structural
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46. Hollow Metal Door and Frame
47. Existing Wooden Fence
48. Metal Gate
49. Limestone Boulder
50. Stone Veneer
60. Fully Grouted Beach Pebbles
61. Not Used
62. Not Used
63. Fountain Pool: Ref. Fountain Consultant
64. Fountain Water Supply Line: Reference Fountain Consultant
65. Fountain Drain Line: Reference Fountain Consultant
66. Not used
67. Not used
68. Pedestal Drinking Fountain
69. Litter Receptacle
70. Bench
71. Pet Waste Disposal System
72. Bike Rack
73. Gravel
74. Limestone Slab

LIGHTING

- SA (1,2,3,4,5,6,7,8,9) Pole Mount - ref. Civil
- SB Pole Mount - ref. Civil
- SC Wall Recessed - ref. Civil
- SE Suspended Strand - ref. Civil
- SE-1 Suspended Strand - ref. Civil
- SE-1 Direct Imbedded Trans - ref. Civil
- SK1 Surface Mount - ref. Civil
- SK2 Surface Mount - ref. Civil
- L4 Pole Mount - ref. Civil
- L5 Ceiling Mount - ref. Civil

REGISTERED LANDSCAPE ARCHITECT
KEVIN W. SLOAN
2296
STATE OF TEXAS

NO.	REVISION	BY	DATE

TOWN OF ADDISON
DALLAS COUNTY, TEXAS

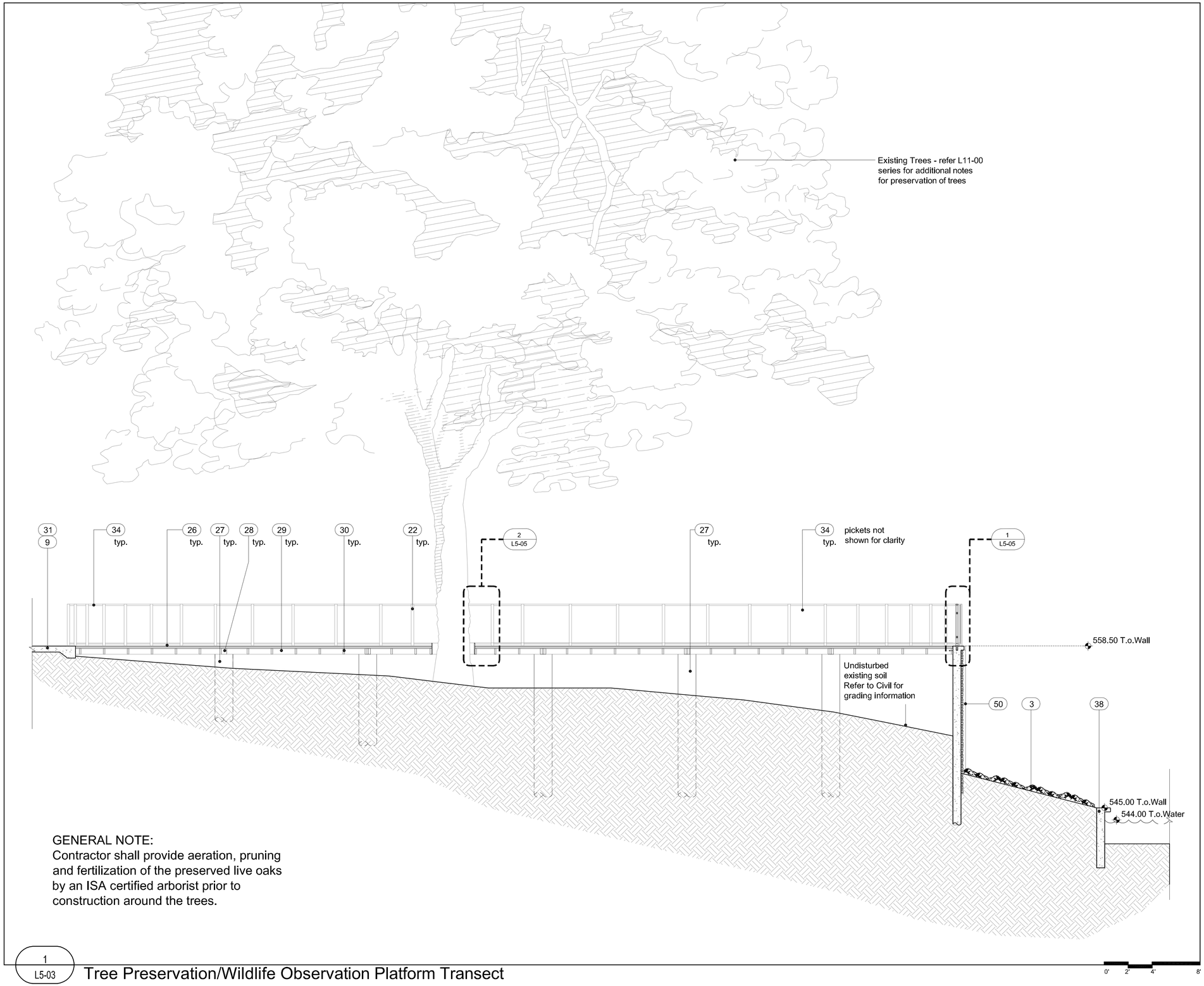
PARK AND STREETSCAPE IMPROVEMENTS
VITRUVIAN PARK

TREE PRESERVATION/WILDLIFE OBSERVATION PLATFORM - ELEVATION

KEVIN SLOAN STUDIO
4145 Travis, Suite 105
Dallas, Texas 75204 (214) 379-1061

PROJECT	DESIGN	DRAWN	DATE	FILE	SHEET
5029-01	KWS		APR 26, 2010	PW # 2009-04	L5-02

PARK AND STREETSCAPE IMPROVEMENTS - VITRUVIAN PARK



GENERAL NOTE:
Contractor shall provide aeration, pruning and fertilization of the preserved live oaks by an ISA certified arborist prior to construction around the trees.

1
L5-03

Tree Preservation/Wildlife Observation Platform Transect

GENERAL NOTE

Refer to sheet L1-01 Design Selection Summary for specific product, finishes, and colors.

Refer to sheets L1-12 & L1-13 for furniture and park element details.

LEGEND

1. Project Limit
2. Not in Contract (N.I.C.): Information provided for design intent only.
3. Planting Area: Ref. L10-00's & L11-00's
4. Expansion Joint: Ref. Civil for detail
5. Tooled Control Joint: Ref. Civil for detail
6. Concrete Paving A
7. Concrete Paving B
8. Concrete Paving C
9. Concrete Paving D
10. Concrete Wall: ref. Structural
11A. Pavestone Concrete Paver A
11B. Pavestone Concrete Paver B
11C. Pavestone Concrete Paver C
11D. Pavestone Concrete Paver D
11E. Pavestone Concrete Paver E
12. Structural Concrete Masonry Unit Wall
13. Structural Fill: Reference Structural
14. Transformer/Switchgear: Ref. Civil
15. Drain Grate
16. Atrium Grate
17. Paver Grate
18. Metal Pergola
19. Metal Trellis
20. Trellis Above
21. Light Fixture Above
22. Metal Guard Rail
23. Metal Handrail
24. Metal Guard Rail and Handrail
25. Granite Bollard
26. Composite Decking
27. Concrete Pier: Locate in field to avoid conflict with existing tree roots - Ref. Structural
28. Structural Steel Beam: Ref. Structural
29. Structural Framing: Ref. Structural
30. Structural Steel Channel: Ref. Structural
31. Concrete walkway: Ref. Civil & Structural
32. Bridge: N.I.C. (Not In Contract)
33. Building Beyond: N.I.C. (Not In Contract)
34. Guardrail Beyond
35. Concrete Form Ties
36. Vertical Control Joints: Ref. Structural
37. Concrete Bench
38. Lake Edge Wall: Ref. Structural
39. Concrete Wall Beyond
40. Electrical: Ref. Civil
41. Concrete Curb - Reference structural
42. Access Panel - Reference structural
43. Vertical Control Joints: Ref. Structural
44. Concrete Weir: Reference Structural
45. Water
46. Hollow Metal Door and Frame
47. Existing Wooden Fence
48. Metal Gate
49. Limestone Boulder
50. Stone Veneer
60. Fully Grouted Beach Pebbles
61. Not Used
62. Not Used
63. Fountain Pool: Ref. Fountain Consultant
64. Fountain Water Supply Line: Reference Fountain Consultant
65. Fountain Drain Line: Reference Fountain Consultant
66. Not used
67. Not used
68. Pedestal Drinking Fountain
69. Litter Receptacle
70. Bench
71. Pet Waste Disposal System
72. Bike Rack
73. Gravel
74. Limestone Slab

LIGHTING

- SA (1,2,3,4,5,6,7,8,9) Pole Mount - ref. Civil
- SB Pole Mount - ref. Civil
- SC Wall Recessed - ref. Civil
- SE Suspended Strand - ref. Civil
- SE-1 Suspended Strand - ref. Civil
- SE-1 Direct Imbedded Trans - ref. Civil
- SK1 Surface Mount - ref. Civil
- SK2 Surface Mount - ref. Civil
- L4 Pole Mount - ref. Civil
- L5 Ceiling Mount - ref. Civil

REGISTERED LANDSCAPE ARCHITECT KEVIN W. SLOAN 2296 STATE OF TEXAS

NO.	REVISION	BY	DATE

TOWN OF ADDISON
DALLAS COUNTY, TEXAS

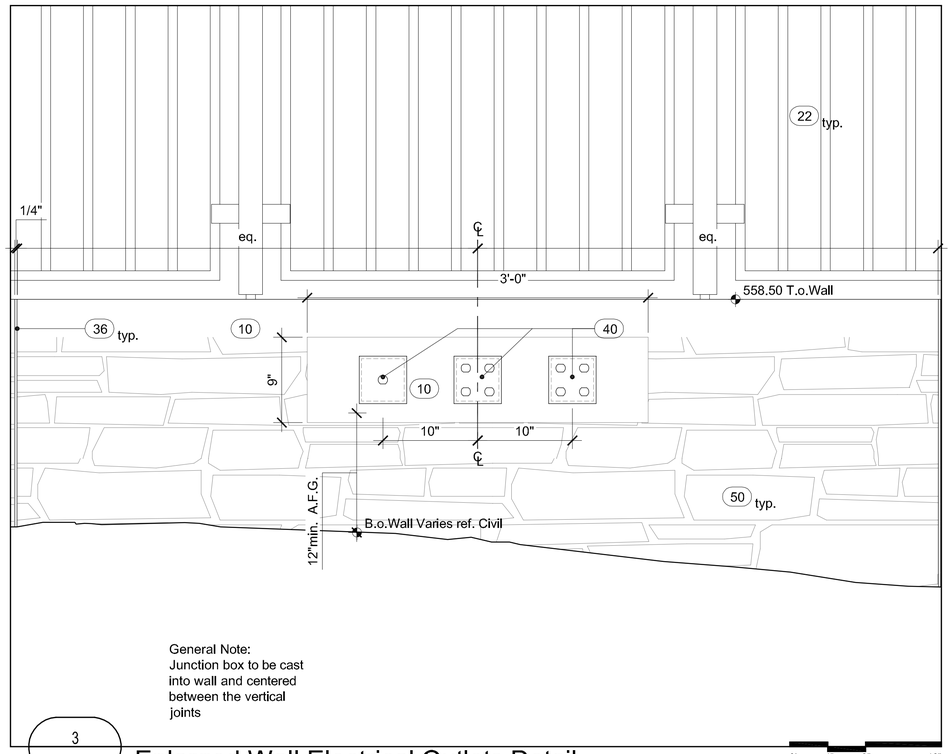
PARK AND STREETSCAPE IMPROVEMENTS
VITRUVIAN PARK

TREE PRESERVATION/WILDLIFE OBSERVATION PLATFORM - TRANSECT

KEVIN SLOAN STUDIO
4145 Travis, Suite 105
Dallas, Texas 75204 (214) 379-1061

PROJECT	DESIGN	DRAWN	DATE	FILE	SHEET
5029-01	KWS		APR 26, 2010	PW # 2009-04	L5-03

PARK AND STREETSCAPE IMPROVEMENTS - VITRUVIAN PARK

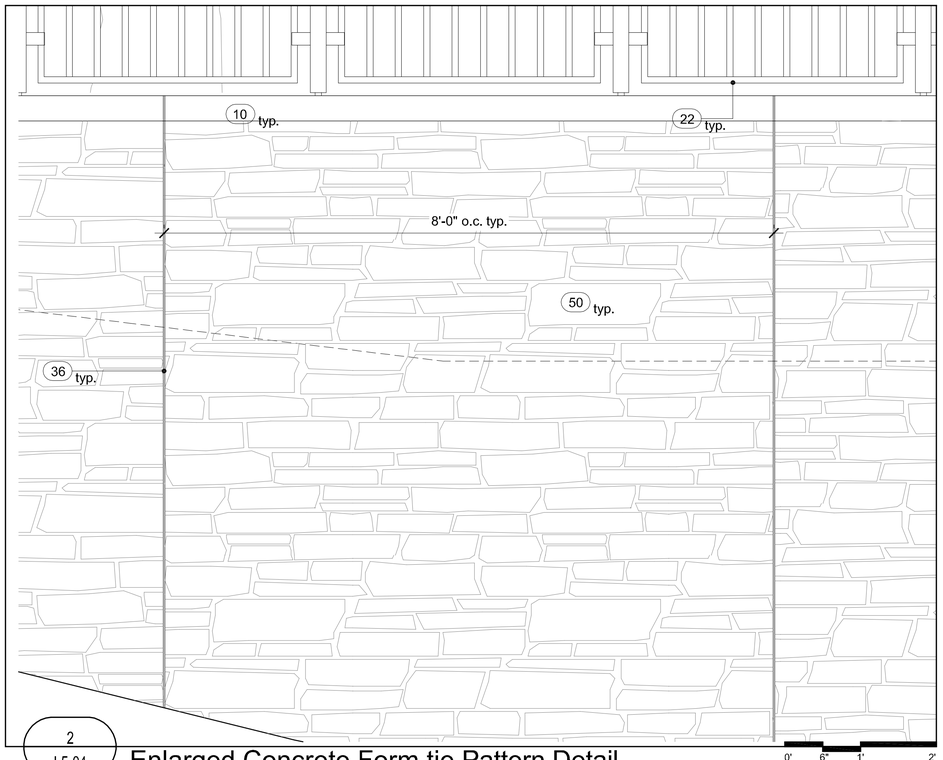


General Note:
Junction box to be cast into wall and centered between the vertical joints

3
L5-04

Enlarged Wall Electrical Outlets Detail

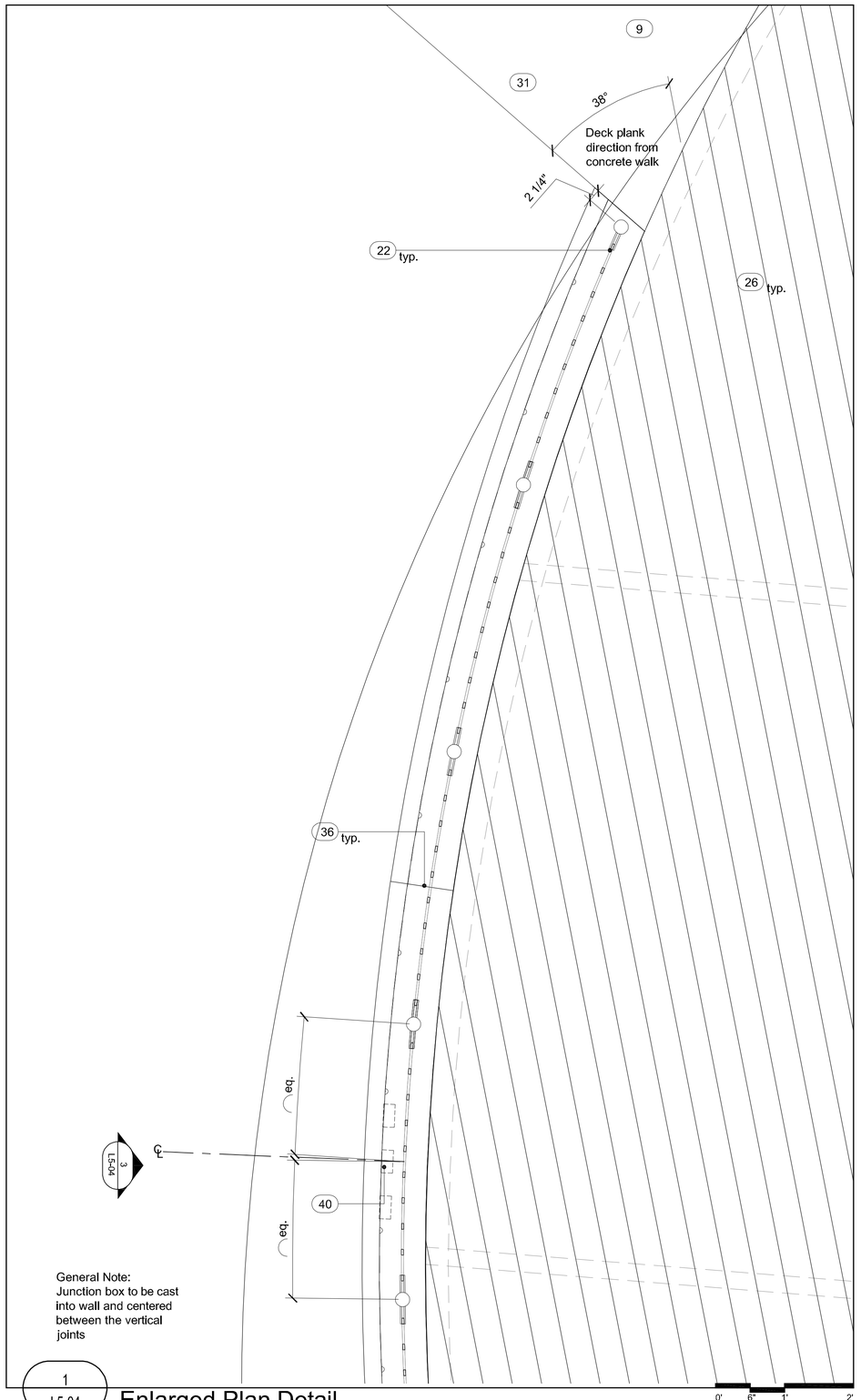
0' 4" 8" 16"



2
L5-04

Enlarged Concrete Form tie Pattern Detail

0' 6" 1' 2'



General Note:
Junction box to be cast into wall and centered between the vertical joints

1
L5-04

Enlarged Plan Detail

0' 6" 1' 2'

GENERAL NOTE

Refer to sheet L1-01 Design Selection Summary for specific product, finishes, and colors.

Refer to sheets L1-12 & L1-13 for furniture and park element details.

LEGEND

1. Project Limit
2. Not in Contract (N.I.C.): Information provided for design intent only.
3. Planting Area: Ref. L10-00's & L11-00's
4. Expansion Joint: Ref. Civil for detail
5. Tooled Control Joint: Ref. Civil for detail
6. Concrete Paving A
7. Concrete Paving B
8. Concrete Paving C
9. Concrete Paving D
10. Concrete Wall: ref. Structural
11A. Pavestone Concrete Paver A
11B. Pavestone Concrete Paver B
11C. Pavestone Concrete Paver C
11D. Pavestone Concrete Paver D
11E. Pavestone Concrete Paver E
12. Structural Concrete Masonry Unit Wall
13. Structural Fill: Reference Structural
14. Transformer/Switchgear: Ref. Civil
15. Drain Grate
16. Atrium Grate
17. Paver Grate
18. Metal Pergola
19. Metal Trellis
20. Trellis Above
21. Light Fixture Above
22. Metal Guard Rail
23. Metal Handrail
24. Metal Guard Rail and Handrail
25. Granite Bollard
26. Composite Decking
27. Concrete Pier: Locate in field to avoid conflict with existing tree roots - Ref. Structural
28. Structural Steel Beam: Ref. Structural
29. Structural Framing: Ref. Structural
30. Structural Steel Channel: Ref. Structural
31. Concrete walkway: Ref. Civil & Structural
32. Bridge: N.I.C. (Not In Contract)
33. Building Beyond: N.I.C. (Not In Contract)
34. Guardrail Beyond
35. Concrete Form Ties
36. Vertical Control Joints: Ref. Structural
37. Concrete Bench
38. Lake Edge Wall: Ref. Structural
39. Concrete Wall Beyond
40. Electrical: Ref. Civil
41. Concrete Curb - Reference structural
42. Access Panel - Reference structural
43. Vertical Control Joints: Ref. Structural
44. Concrete Weir: Reference Structural
45. Water
46. Hollow Metal Door and Frame
47. Existing Wooden Fence
48. Metal Gate
49. Limestone Boulder
50. Stone Veneer
60. Fully Grouted Beach Pebbles
61. Not Used
62. Not Used
63. Fountain Pool: Ref. Fountain Consultant
64. Fountain Water Supply Line: Reference Fountain Consultant
65. Fountain Drain Line: Reference Fountain Consultant
66. Not used
67. Not used
68. Pedestal Drinking Fountain
69. Litter Receptacle
70. Bench
71. Pet Waste Disposal System
72. Bike Rack
73. Gravel
74. Limestone Slab

LIGHTING

- SA (1,2,3,4,5,6,7,8,9) Pole Mount - ref. Civil
- SB Pole Mount - ref. Civil
- SC Wall Recessed - ref. Civil
- SE Suspended Strand - ref. Civil
- SE-1 Suspended Strand - ref. Civil
- SE-T Direct Imbedded Trans - ref. Civil
- SK1 Surface Mount - ref. Civil
- SK2 Surface Mount - ref. Civil
- L4 Pole Mount - ref. Civil
- L5 Ceiling Mount - ref. Civil

REGISTERED LANDSCAPE ARCHITECT KEVIN W. SLOAN 2296 STATE OF TEXAS

NO.	REVISION	BY	DATE

Addison TOWN OF ADDISON
DALLAS COUNTY, TEXAS

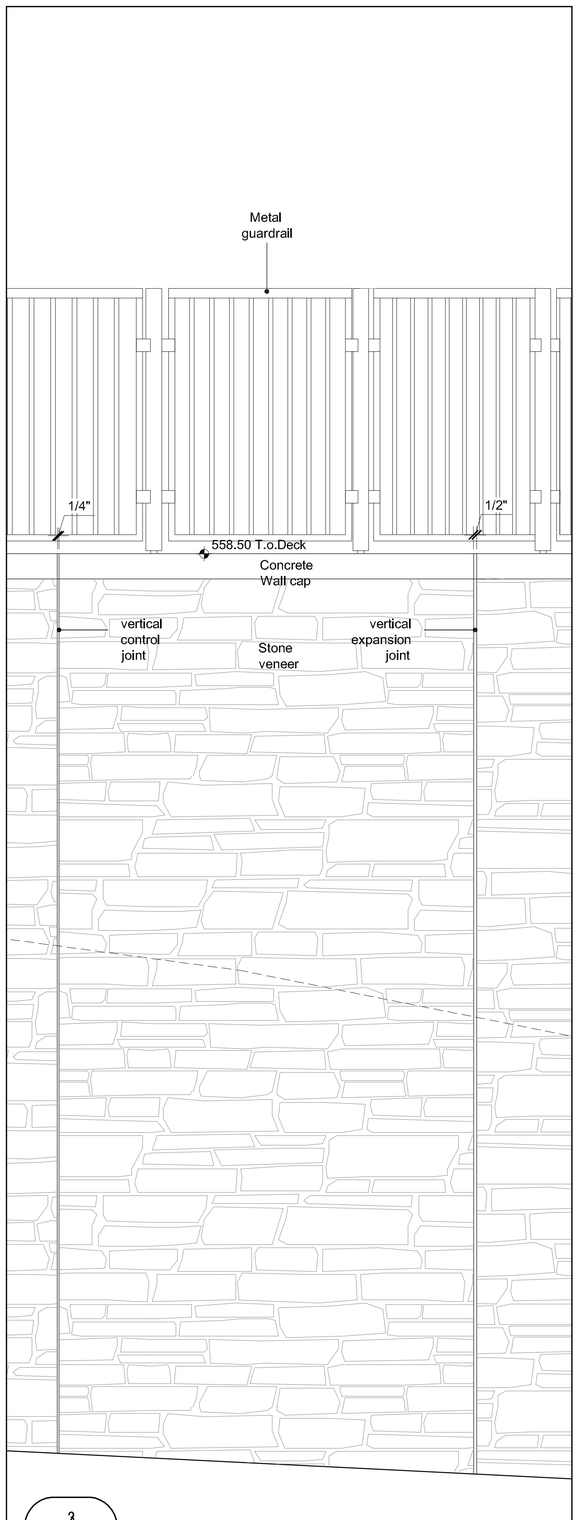
PARK AND STREETSCAPE IMPROVEMENTS
VITRUVIAN PARK

TREE PRESERVATION/WILDLIFE OBSERVATION PLATFORM - ENLARGED DETAILS

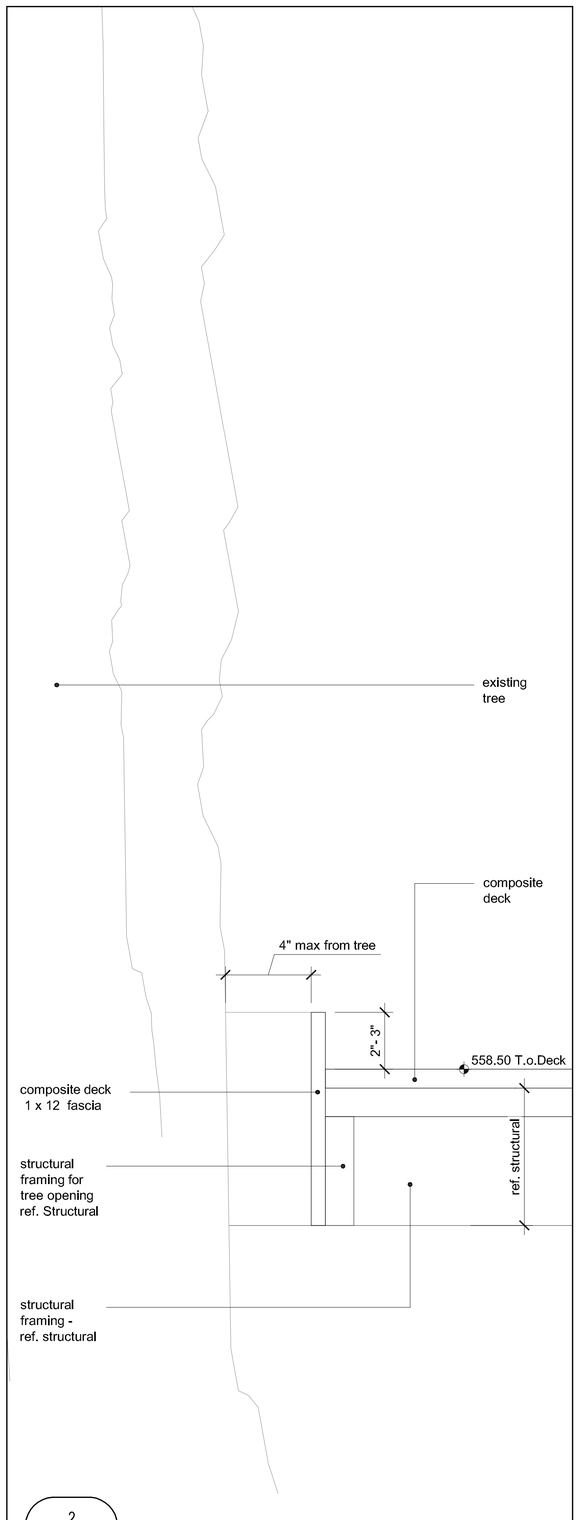
KEVIN SLOAN STUDIO
4145 Travis, Suite 105
Dallas, Texas 75204 (214) 379-1061

PROJECT	DESIGN	DRAWN	DATE	FILE	SHEET
5029-01	KWS		APR 26, 2010	PW # 2009-04	L5-04

PARK AND STREETSCAPE IMPROVEMENTS - VITRUVIAN PARK



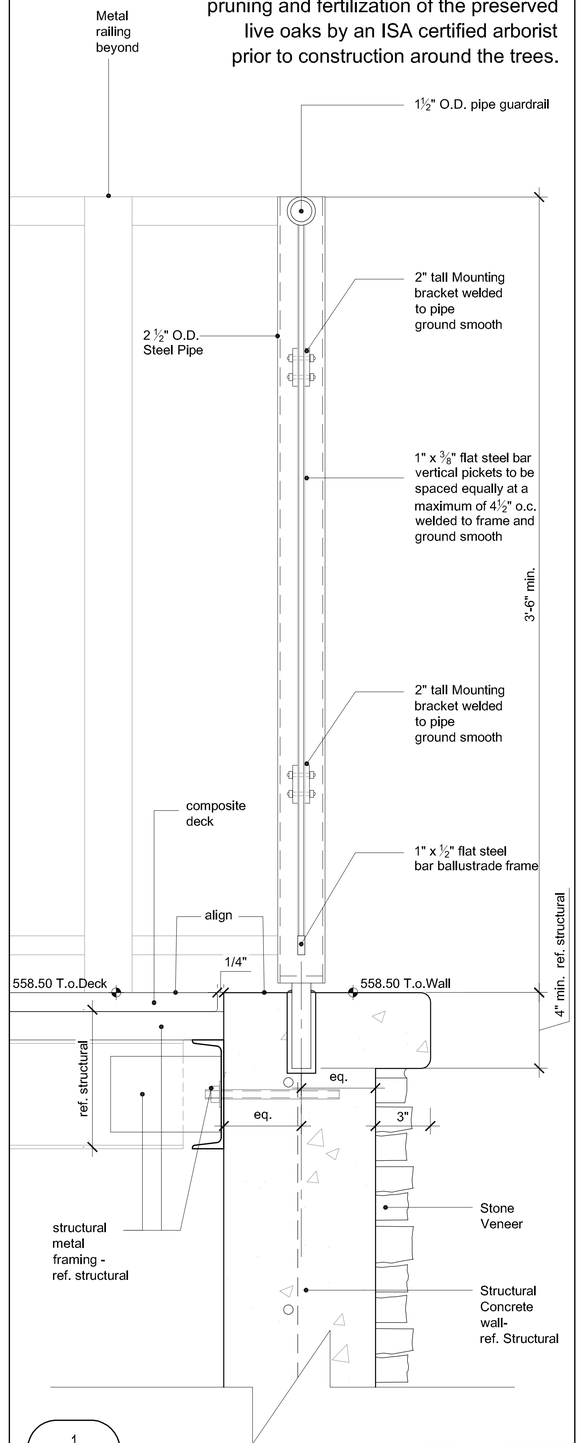
3
L5-05
Wall Elevation Detail
0' 4" 8" 16"



2
L5-05
Tree Well Section Detail
0' 4" 8" 16"

GENERAL NOTE:

Contractor shall provide aeration, pruning and fertilization of the preserved live oaks by an ISA certified arborist prior to construction around the trees.



1
L5-05
Wall Section Detail
0' 4" 8" 16"

GENERAL NOTE

Refer to sheet L1-01 Design Selection Summary for specific product, finishes, and colors.

Refer to sheets L1-12 & L1-13 for furniture and park element details.

LEGEND

1. Project Limit
2. Not in Contract (N.I.C.): Information provided for design intent only.
3. Planting Area: Ref. L10-00's & L11-00's
4. Expansion Joint: Ref. Civil for detail
5. Tooled Control Joint: Ref. Civil for detail
6. Concrete Paving A
7. Concrete Paving B
8. Concrete Paving C
9. Concrete Paving D
10. Concrete Wall: ref. Structural
11A. Pavestone Concrete Paver A
11B. Pavestone Concrete Paver B
11C. Pavestone Concrete Paver C
11D. Pavestone Concrete Paver D
11E. Pavestone Concrete Paver E
12. Structural Concrete Masonry Unit Wall
13. Structural Fill: Reference Structural
14. Transformer/Switchgear: Ref. Civil
15. Drain Grate
16. Atrium Grate
17. Paver Grate
18. Metal Pergola
19. Metal Trellis
20. Trellis Above
21. Light Fixture Above
22. Metal Guard Rail
23. Metal Handrail
24. Metal Guard Rail and Handrail
25. Granite Bollard
26. Composite Decking
27. Concrete Pier: Locate in field to avoid conflict with existing tree roots - Ref. Structural
28. Structural Steel Beam: Ref. Structural
29. Structural Framing: Ref. Structural
30. Structural Steel Channel: Ref. Structural
31. Concrete walkway: Ref. Civil & Structural
32. Bridge: N.I.C. (Not In Contract)
33. Building Beyond: N.I.C. (Not In Contract)
34. Guardrail Beyond
35. Concrete Form Ties
36. Vertical Control Joints: Ref. Structural
37. Concrete Bench
38. Lake Edge Wall: Ref. Structural
39. Concrete Wall Beyond
40. Electrical: Ref. Civil
41. Concrete Curb - Reference structural
42. Access Panel - Reference structural
43. Vertical Control Joints: Ref. Structural
44. Concrete Weir: Reference Structural
45. Water
46. Hollow Metal Door and Frame
47. Existing Wooden Fence
48. Metal Gate
49. Limestone Boulder
50. Stone Veneer
60. Fully Grouted Beach Pebbles
61. Not Used
62. Not Used
63. Fountain Pool: Ref. Fountain Consultant
64. Fountain Water Supply Line: Reference Fountain Consultant
65. Fountain Drain Line: Reference Fountain Consultant
66. Not used
67. Not used
68. Pedestal Drinking Fountain
69. Litter Receptacle
70. Bench
71. Pet Waste Disposal System
72. Bike Rack
73. Gravel
74. Limestone Slab

LIGHTING

- SA (1,2,3,4,5,6,7,8,9) Pole Mount - ref. Civil
- SB Pole Mount - ref. Civil
- SC Wall Recessed - ref. Civil
- SE Suspended Strand - ref. Civil
- SE-1 Suspended Strand - ref. Civil
- SE-T Direct Imbedded Trans - ref. Civil
- SK1 Surface Mount - ref. Civil
- SK2 Surface Mount - ref. Civil
- L4 Pole Mount - ref. Civil
- L5 Ceiling Mount - ref. Civil

REGISTERED LANDSCAPE ARCHITECT
KEVIN W. SLOAN
2296
STATE OF TEXAS

NO.	REVISION	BY	DATE

Addison
TOWN OF ADDISON
DALLAS COUNTY, TEXAS

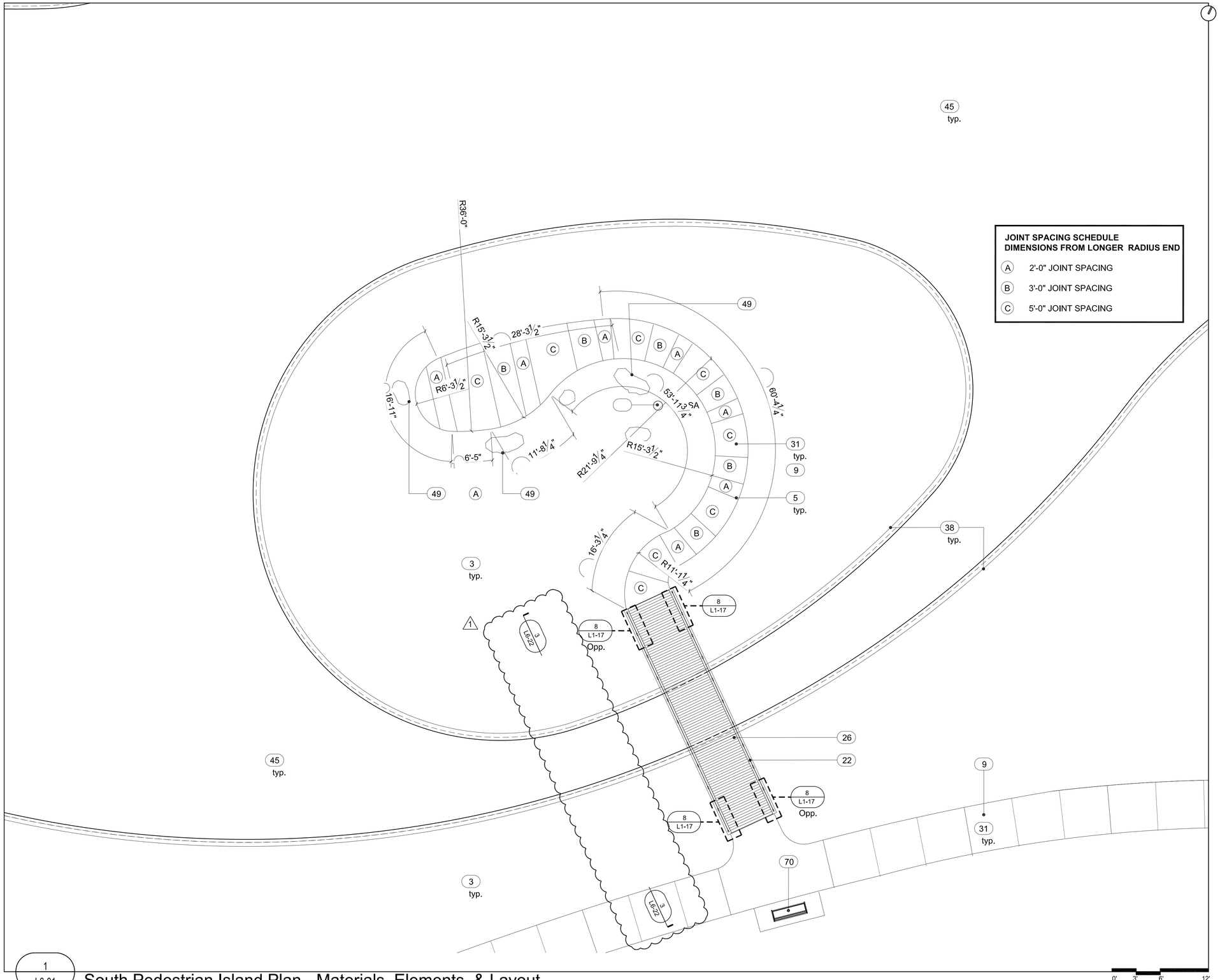
PARK AND STREETSCAPE IMPROVEMENTS
VITRUVIAN PARK

TREE PRESERVATION/WILDLIFE OBSERVATION PLATFORM WALL SECTION & DETAIL

KEVIN SLOAN STUDIO
4145 Travis, Suite 105
Dallas, Texas 75204 (214) 379-1061

PROJECT	DESIGN	DRAWN	DATE	FILE	SHEET
5029-01	KWS		APR 26, 2010	PW # 2009-04	L5-05

PARK AND STREETSCAPE IMPROVEMENTS - VITRUVIAN PARK



JOINT SPACING SCHEDULE
DIMENSIONS FROM LONGER RADIUS END

- (A) 2'-0" JOINT SPACING
- (B) 3'-0" JOINT SPACING
- (C) 5'-0" JOINT SPACING

GENERAL NOTE

Refer to sheet L1-01 Design Selection Summary for specific product, finishes, and colors.

Refer to sheets L1-12 & L1-13 for furniture and park element details.

LEGEND

1. Project Limit
2. Not in Contract (N.I.C.): Information provided for design intent only.
3. Planting Area: Ref. L10-00's & L11-00's
4. Expansion Joint: Ref. Civil for detail
5. Tooled Control Joint: Ref. Civil for detail
6. Concrete Paving A
7. Concrete Paving B
8. Concrete Paving C
9. Concrete Paving D
10. Concrete Wall: ref. Structural
11A. Pavestone Concrete Paver A
11B. Pavestone Concrete Paver B
11C. Pavestone Concrete Paver C
11D. Pavestone Concrete Paver D
11E. Pavestone Concrete Paver E
12. Structural Concrete Masonry Unit Wall
13. Structural Fill: Reference Structural
14. Transformer/Switchgear: Ref. Civil
15. Drain Grate
16. Atrium Grate
17. Paver Grate
18. Metal Pergola
19. Metal Trellis
20. Trellis Above
21. Light Fixture Above
22. Metal Guard Rail
23. Metal Handrail
24. Metal Guard Rail and Handrail
25. Granite Bollard
26. Composite Decking
27. Concrete Pier: Locate in field to avoid conflict with existing tree roots - Ref. Structural
28. Structural Steel Beam: Ref. Structural
29. Structural Framing: Ref. Structural
30. Structural Steel Channel: Ref. Structural
31. Concrete walkway: Ref. Civil & Structural
32. Bridge: N.I.C. (Not In Contract)
33. Building Beyond: N.I.C. (Not In Contract)
34. Guardrail Beyond
35. Concrete Form Ties
36. Vertical Control Joints: Ref. Structural
37. Concrete Bench
38. Lake Edge Wall: Ref. Structural
39. Concrete Wall Beyond
40. Electrical: Ref. Civil
41. Concrete Curb - Reference structural
42. Access Panel - Reference structural
43. Vertical Control Joints: Ref. Structural
44. Concrete Weir: Reference Structural
45. Water
46. Hollow Metal Door and Frame
47. Existing Wooden Fence
48. Metal Gate
49. Limestone Boulder
50. Stone Veneer
60. Fully Grouted Beach Pebbles
61. Not Used
62. Not Used
63. Fountain Pool: Ref. Fountain Consultant
64. Fountain Water Supply Line: Reference Fountain Consultant
65. Fountain Drain Line: Reference Fountain Consultant
66. Not used
67. Not used
68. Pedestal Drinking Fountain
69. Litter Receptacle
70. Bench
71. Pet Waste Disposal System
72. Bike Rack
73. Gravel
74. Limestone Slab

LIGHTING

- (SA) (1,2,3,4,5,6,7,8,9) Pole Mount - ref. Civil
- (SB) Pole Mount - ref. Civil
- (SC) Wall Recessed - ref. Civil
- (SE) Suspended Strand - ref. Civil
- (SE-1) Suspended Strand - ref. Civil
- (SE-1) Direct Imbedded Trans - ref. Civil
- (SK1) Surface Mount - ref. Civil
- (SK2) Surface Mount - ref. Civil
- (L4) Pole Mount - ref. Civil
- (L5) Ceiling Mount - ref. Civil

REGISTERED LANDSCAPE ARCHITECT
KEVIN W. SLOAN
2296
STATE OF TEXAS

NO.	REVISION	BY	DATE
1	PEDESTRIAN BRIDGE SECTION		02/21/2011

TOWN OF ADDISON
DALLAS COUNTY, TEXAS

PARK AND STREETSCAPE IMPROVEMENTS
VITRUVIAN PARK

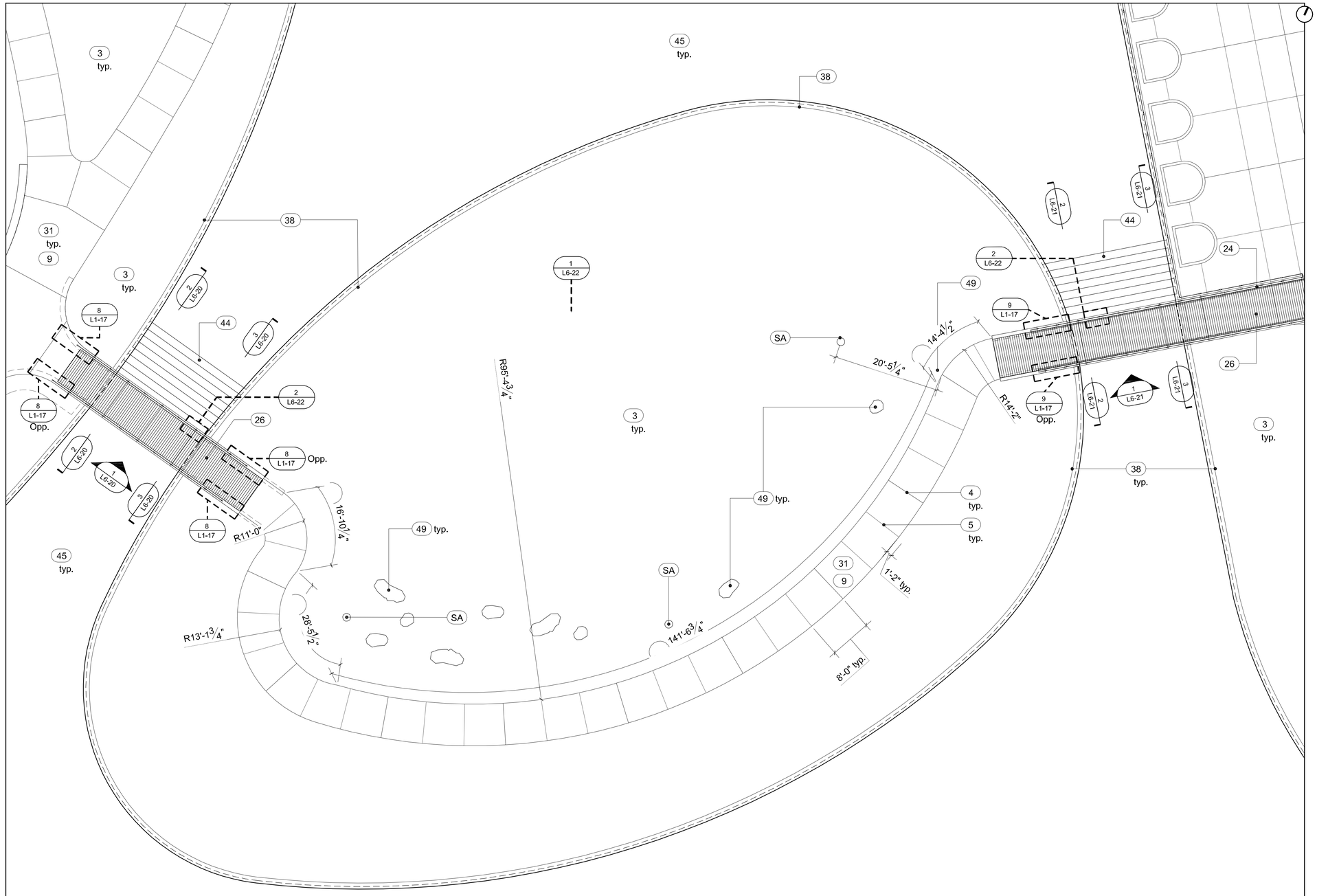
SOUTHERN PEDESTRIAN ISLAND PLAN - MATERIALS, ELEMENTS, & LAYOUT

KEVIN SLOAN STUDIO
2400 Empire Central, Suite F
Dallas, Texas 75235 (214) 459-1784

PROJECT	DESIGN	DRAWN	DATE	FILE	SHEET
5029-01	KWS		APR 26, 2010	PW # 2009-04	L6-01

PARK AND STREETSCAPE IMPROVEMENTS - VITRUVIAN PARK

1
L6-01
South Pedestrian Island Plan - Materials, Elements, & Layout



1 / L6-02 North Pedestrian Island Plan - Materials, Elements & Layout

GENERAL NOTE

Refer to sheet L1-01 Design Selection Summary for specific product, finishes, and colors.

Refer to sheets L1-12 & L1-13 for furniture and park element details.

LEGEND

1. Project Limit
2. Not in Contract (N.I.C.): Information provided for design intent only.
3. Planting Area: Ref. L10-00's & L11-00's
4. Expansion Joint: Ref. Civil for detail
5. Tooled Control Joint: Ref. Civil for detail
6. Concrete Paving A
7. Concrete Paving B
8. Concrete Paving C
9. Concrete Paving D
10. Concrete Wall: ref. Structural
11A. Pavestone Concrete Paver A
11B. Pavestone Concrete Paver B
11C. Pavestone Concrete Paver C
11D. Pavestone Concrete Paver D
11E. Pavestone Concrete Paver E
12. Structural Concrete Masonry Unit Wall
13. Structural Fill: Reference Structural
14. Transformer/Switchgear: Ref. Civil
15. Drain Grate
16. Atrium Grate
17. Paver Grate
18. Metal Pergola
19. Metal Trellis
20. Trellis Above
21. Light Fixture Above
22. Metal Guard Rail
23. Metal Handrail
24. Metal Guard Rail and Handrail
25. Granite Bollard
26. Composite Decking
27. Concrete Pier: Locate in field to avoid conflict with existing tree roots - Ref. Structural
28. Structural Steel Beam: Ref. Structural
29. Structural Framing: Ref. Structural
30. Structural Steel Channel: Ref. Structural
31. Concrete walkway: Ref. Civil & Structural
32. Bridge: N.I.C. (Not In Contract)
33. Building Beyond: N.I.C. (Not In Contract)
34. Guardrail Beyond
35. Concrete Form Ties
36. Vertical Control Joints: Ref. Structural
37. Concrete Bench
38. Lake Edge Wall: Ref. Structural
39. Concrete Wall Beyond
40. Electrical: Ref. Civil
41. Concrete Curb - Reference structural
42. Access Panel - Reference structural
43. Vertical Control Joints: Ref. Structural
44. Concrete Weir: Reference Structural
45. Water
46. Hollow Metal Door and Frame
47. Existing Wooden Fence
48. Metal Gate
49. Limestone Boulder
50. Stone Veneer
60. Fully Grouted Beach Pebbles
61. Not Used
62. Not Used
63. Fountain Pool: Ref. Fountain Consultant
64. Fountain Water Supply Line: Reference Fountain Consultant
65. Fountain Drain Line: Reference Fountain Consultant
66. Not used
67. Not used
68. Pedestal Drinking Fountain
69. Litter Receptacle
70. Bench
71. Pet Waste Disposal System
72. Bike Rack
73. Gravel
74. Limestone Slab

LIGHTING

- SA (1,2,3,4,5,6,7,8,9) Pole Mount - ref. Civil
- SB Pole Mount - ref. Civil
- SC Wall Recessed - ref. Civil
- SE Suspended Strand - ref. Civil
- SE-1 Suspended Strand - ref. Civil
- SE-1 Direct Imbedded Trans - ref. Civil
- SK1 Surface Mount - ref. Civil
- SK2 Surface Mount - ref. Civil
- L4 Pole Mount - ref. Civil
- L5 Ceiling Mount - ref. Civil

REGISTERED LANDSCAPE ARCHITECT KEVIN W. SLOAN 2296 STATE OF TEXAS

NO.	REVISION	BY	DATE

TOWN OF ADDISON
DALLAS COUNTY, TEXAS

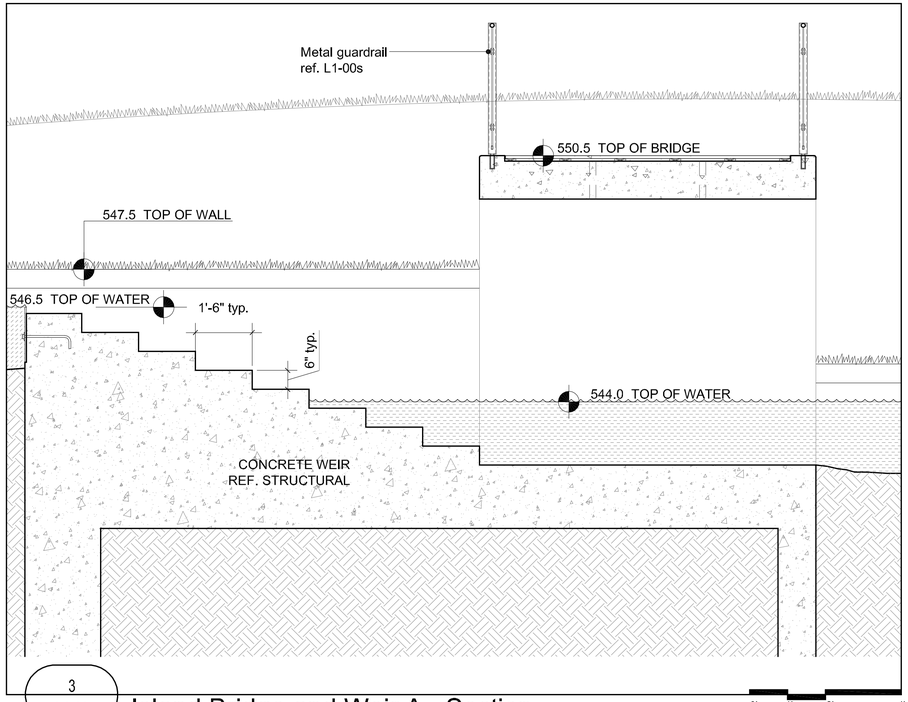
PARK AND STREETSCAPE IMPROVEMENTS
VITRUVIAN PARK

NORTHERN PEDESTRIAN ISLAND PLAN - MATERIALS, ELEMENTS, & LAYOUT

KEVIN SLOAN STUDIO
4145 Travis, Suite 105
Dallas, Texas 75204 (214) 379-1061

PROJECT	DESIGN	DRAWN	DATE	FILE	SHEET
5029-01	KWS		APR 26, 2010	PW # 2009-04	L6-02

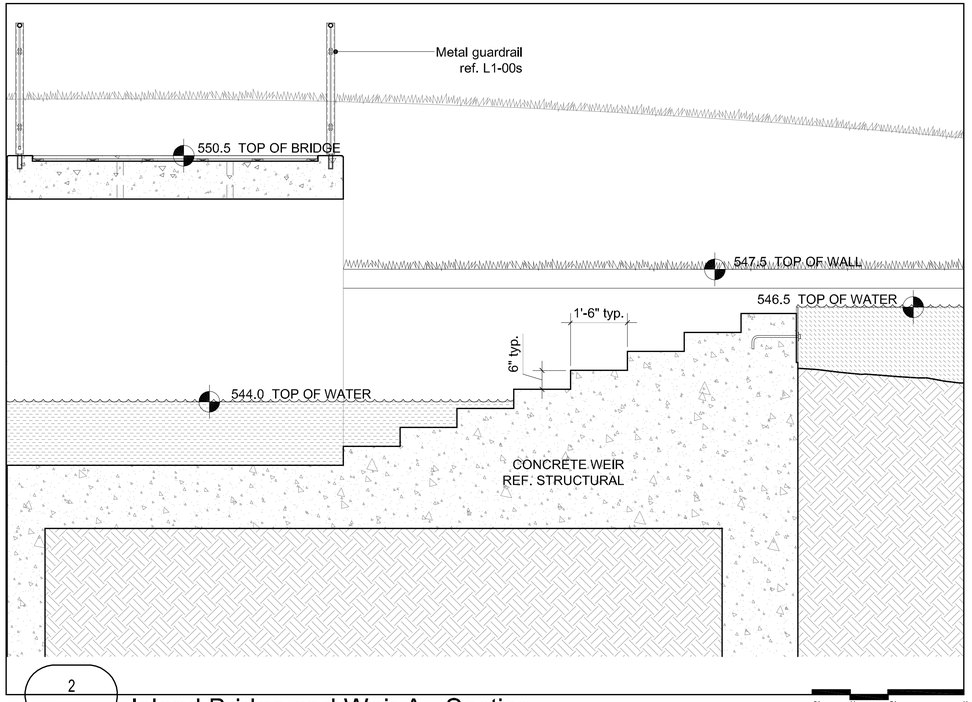
PARK AND STREETSCAPE IMPROVEMENTS - VITRUVIAN PARK



3
L6-20

Island Bridge and Weir A - Section

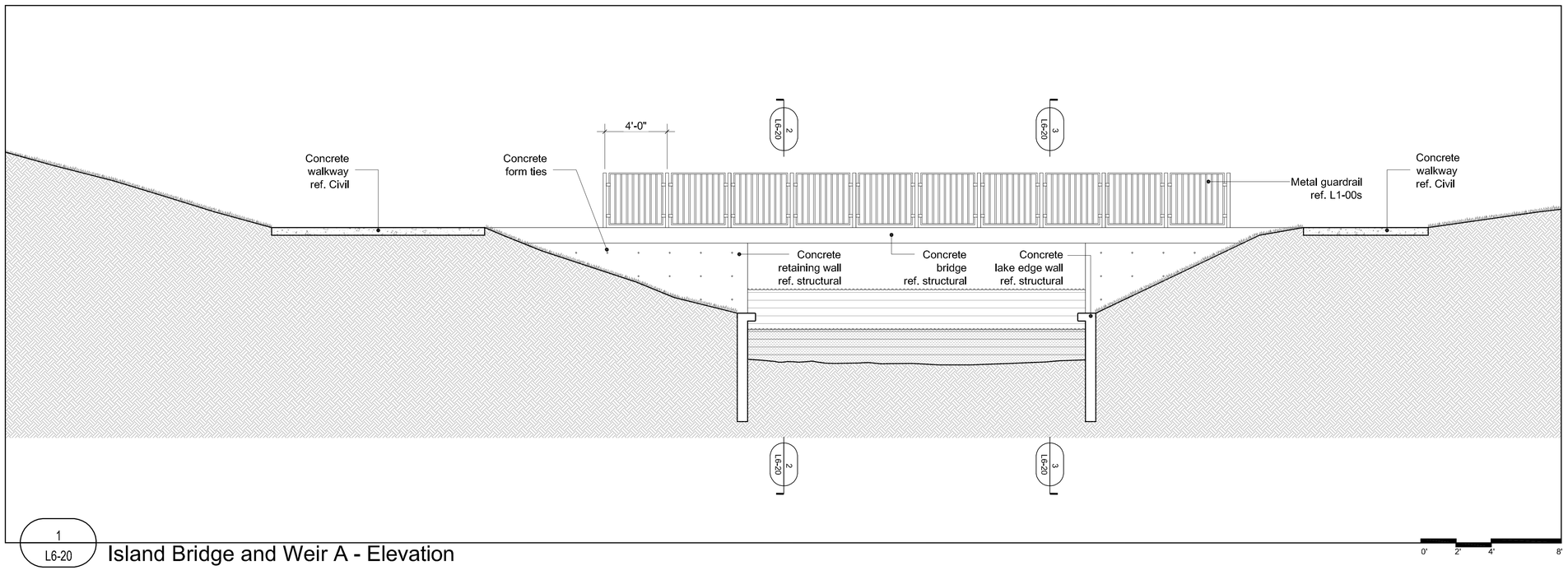
0' 1' 2' 4'
Scale 1/2" = 1'-0"



2
L6-20

Island Bridge and Weir A - Section

0' 1' 2' 4'
Scale 1/2" = 1'-0"



1
L6-20

Island Bridge and Weir A - Elevation

0' 2' 4' 8'

GENERAL NOTE

Refer to sheet L1-01 Design Selection Summary for specific product, finishes, and colors.

Refer to sheets L1-12 & L1-13 for furniture and park element details.

LEGEND

1. Project Limit
2. Not in Contract (N.I.C.): Information provided for design intent only.
3. Planting Area: Ref. L10-00's & L11-00's
4. Expansion Joint: Ref. Civil for detail
5. Tooled Control Joint: Ref. Civil for detail
6. Concrete Paving A
7. Concrete Paving B
8. Concrete Paving C
9. Concrete Paving D
10. Concrete Wall: ref. Structural
11A. Pavestone Concrete Paver A
11B. Pavestone Concrete Paver B
11C. Pavestone Concrete Paver C
11D. Pavestone Concrete Paver D
11E. Pavestone Concrete Paver E
12. Structural Concrete Masonry Unit Wall
13. Structural Fill: Reference Structural
14. Transformer/Switchgear: Ref. Civil
15. Drain Grate
16. Atrium Grate
17. Paver Grate
18. Metal Pergola
19. Metal Trellis
20. Trellis Above
21. Light Fixture Above
22. Metal Guard Rail
23. Metal Handrail
24. Metal Guard Rail and Handrail
25. Granite Bollard
26. Composite Decking
27. Concrete Pier: Locate in field to avoid conflict with existing tree roots - Ref. Structural
28. Structural Steel Beam: Ref. Structural
29. Structural Framing: Ref. Structural
30. Structural Steel Channel: Ref. Structural
31. Concrete walkway: Ref. Civil & Structural
32. Bridge: N.I.C. (Not In Contract)
33. Building Beyond: N.I.C. (Not In Contract)
34. Guardrail Beyond
35. Concrete Form Ties
36. Vertical Control Joints: Ref. Structural
37. Concrete Bench
38. Lake Edge Wall: Ref. Structural
39. Concrete Wall Beyond
40. Electrical: Ref. Civil
41. Concrete Curb - Reference structural
42. Access Panel - Reference structural
43. Vertical Control Joints: Ref. Structural
44. Concrete Weir: Reference Structural
45. Water
46. Hollow Metal Door and Frame
47. Existing Wooden Fence
48. Metal Gate
49. Limestone Boulder
50. Stone Veneer
60. Fully Grouted Beach Pebbles
61. Not Used
62. Not Used
63. Fountain Pool: Ref. Fountain Consultant
64. Fountain Water Supply Line: Reference Fountain Consultant
65. Fountain Drain Line: Reference Fountain Consultant
66. Not used
67. Not used
68. Pedestal Drinking Fountain
69. Litter Receptacle
70. Bench
71. Pet Waste Disposal System
72. Bike Rack
73. Gravel
74. Limestone Slab

LIGHTING

- SA (1,2,3,4,5,6,7,8,9) Pole Mount - ref. Civil
- SB Pole Mount - ref. Civil
- SC Wall Recessed - ref. Civil
- SE Suspended Strand - ref. Civil
- SE-1 Suspended Strand - ref. Civil
- SE-1 Direct Imbedded Trans - ref. Civil
- SK1 Surface Mount - ref. Civil
- SK2 Surface Mount - ref. Civil
- L4 Pole Mount - ref. Civil
- L5 Ceiling Mount - ref. Civil

REGISTERED LANDSCAPE ARCHITECT
KEVIN W. SLOAN
2296
STATE OF TEXAS

NO.	REVISION	BY	DATE

TOWN OF ADDISON
DALLAS COUNTY, TEXAS

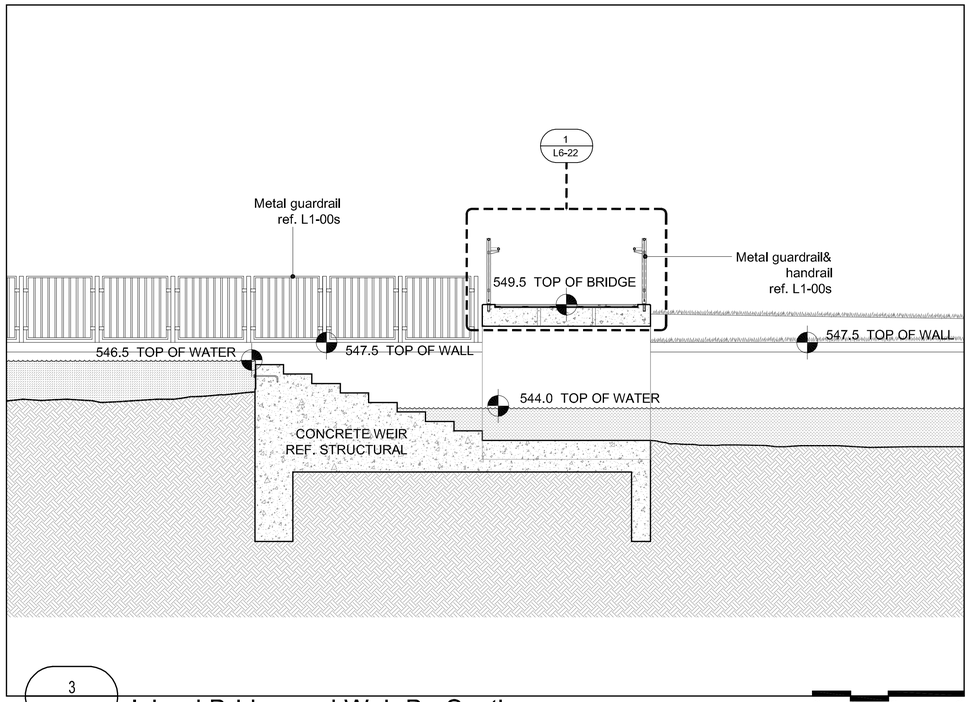
PARK AND STREETSCAPE IMPROVEMENTS
VITRUVIAN PARK

PEDESTRIAN BRIDGE ELEVATION & WEIR A DETAILS

KEVIN SLOAN STUDIO
4145 Travis, Suite 105
Dallas, Texas 75204 (214) 379-1061

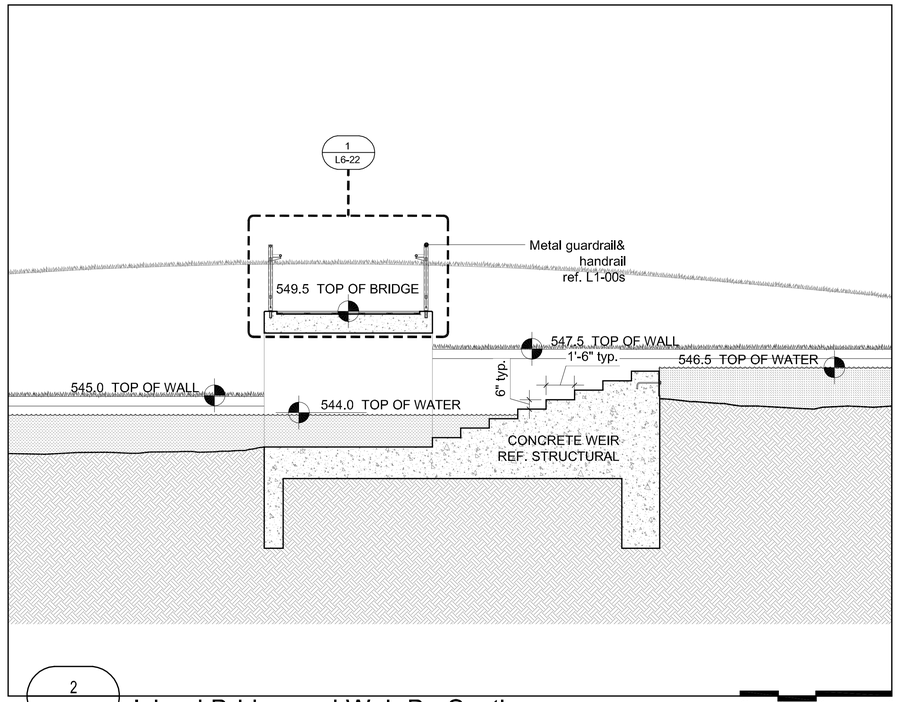
PROJECT	DESIGN	DRAWN	DATE	FILE	SHEET
5029-01	KWS		APR 26, 2010	PW # 2009-04	L6-20

PARK AND STREETSCAPE IMPROVEMENTS - VITRUVIAN PARK



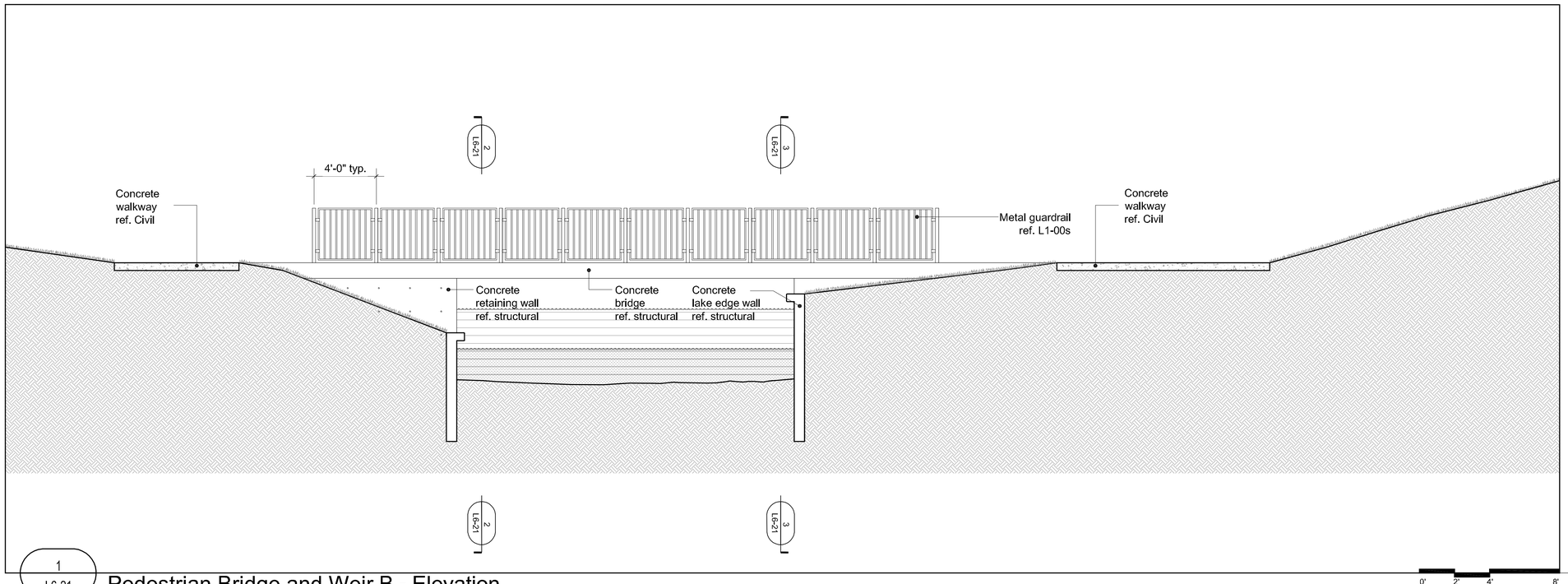
3
L6-21

Island Bridge and Weir B - Section



2
L6-21

Island Bridge and Weir B - Section



1
L6-21

Pedestrian Bridge and Weir B - Elevation

GENERAL NOTE

Refer to sheet L1-01 Design Selection Summary for specific product, finishes, and colors.

Refer to sheets L1-12 & L1-13 for furniture and park element details.

LEGEND

1. Project Limit
2. Not in Contract (N.I.C.): Information provided for design intent only.
3. Planting Area: Ref. L10-00's & L11-00's
4. Expansion Joint: Ref. Civil for detail
5. Tooled Control Joint: Ref. Civil for detail
6. Concrete Paving A
7. Concrete Paving B
8. Concrete Paving C
9. Concrete Paving D
10. Concrete Wall: ref. Structural
11A. Pavestone Concrete Paver A
11B. Pavestone Concrete Paver B
11C. Pavestone Concrete Paver C
11D. Pavestone Concrete Paver D
11E. Pavestone Concrete Paver E
12. Structural Concrete Masonry Unit Wall
13. Structural Fill: Reference Structural
14. Transformer/Switchgear: Ref. Civil
15. Drain Grate
16. Atrium Grate
17. Paver Grate
18. Metal Pergola
19. Metal Trellis
20. Trellis Above
21. Light Fixture Above
22. Metal Guard Rail
23. Metal Handrail
24. Metal Guard Rail and Handrail
25. Granite Bollard
26. Composite Decking
27. Concrete Pier: Locate in field to avoid conflict with existing tree roots - Ref. Structural
28. Structural Steel Beam: Ref. Structural
29. Structural Framing: Ref. Structural
30. Structural Steel Channel: Ref. Structural
31. Concrete walkway: Ref. Civil & Structural
32. Bridge: N.I.C. (Not In Contract)
33. Building Beyond: N.I.C. (Not In Contract)
34. Guardrail Beyond
35. Concrete Form Ties
36. Vertical Control Joints: Ref. Structural
37. Concrete Bench
38. Lake Edge Wall: Ref. Structural
39. Concrete Wall Beyond
40. Electrical: Ref. Civil
41. Concrete Curb - Reference structural
42. Access Panel - Reference structural
43. Vertical Control Joints: Ref. Structural
44. Concrete Weir: Reference Structural
45. Water
46. Hollow Metal Door and Frame
47. Existing Wooden Fence
48. Metal Gate
49. Limestone Boulder
50. Stone Veneer
60. Fully Grouted Beach Pebbles
61. Not Used
62. Not Used
63. Fountain Pool: Ref. Fountain Consultant
64. Fountain Water Supply Line: Reference Fountain Consultant
65. Fountain Drain Line: Reference Fountain Consultant
66. Not used
67. Not used
68. Pedestal Drinking Fountain
69. Litter Receptacle
70. Bench
71. Pet Waste Disposal System
72. Bike Rack
73. Gravel
74. Limestone Slab

LIGHTING

- SA (1,2,3,4,5,6,7,8,9) Pole Mount - ref. Civil
- SB Pole Mount - ref. Civil
- SC Wall Recessed - ref. Civil
- SE Suspended Strand - ref. Civil
- SE-1 Suspended Strand - ref. Civil
- SE-1 Direct Imbedded Trans - ref. Civil
- SK1 Surface Mount - ref. Civil
- SK2 Surface Mount - ref. Civil
- L4 Pole Mount - ref. Civil
- L5 Ceiling Mount - ref. Civil

REGISTERED LANDSCAPE ARCHITECT
KEVIN W. SLOAN
2296
STATE OF TEXAS

NO.	REVISION	BY	DATE

Addison

TOWN OF ADDISON
DALLAS COUNTY, TEXAS

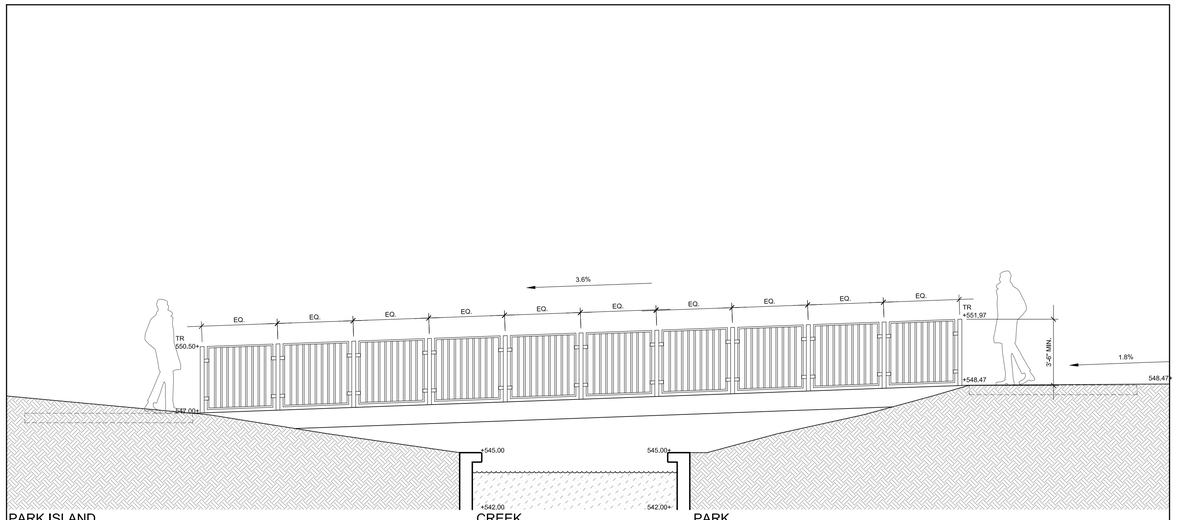
PARK AND STREETSCAPE IMPROVEMENTS
VITRUVIAN PARK

PEDESTRIAN BRIDGE ELEVATION & WEIR B DETAILS

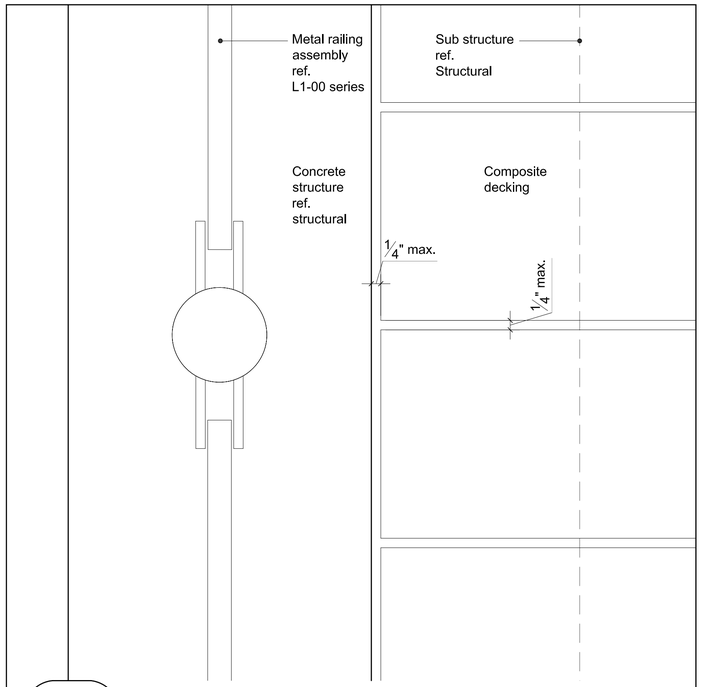
KEVIN SLOAN STUDIO
4145 Travis, Suite 105
Dallas, Texas 75204 (214) 379-1061

PROJECT	DESIGN	DRAWN	DATE	FILE	SHEET
5029-01	KWS		APR 26, 2010	PW # 2009-04	L6-21

PARK AND STREETSCAPE IMPROVEMENTS - VITRUVIAN PARK



3
L6-22
Pedestrian Island Bridge Section



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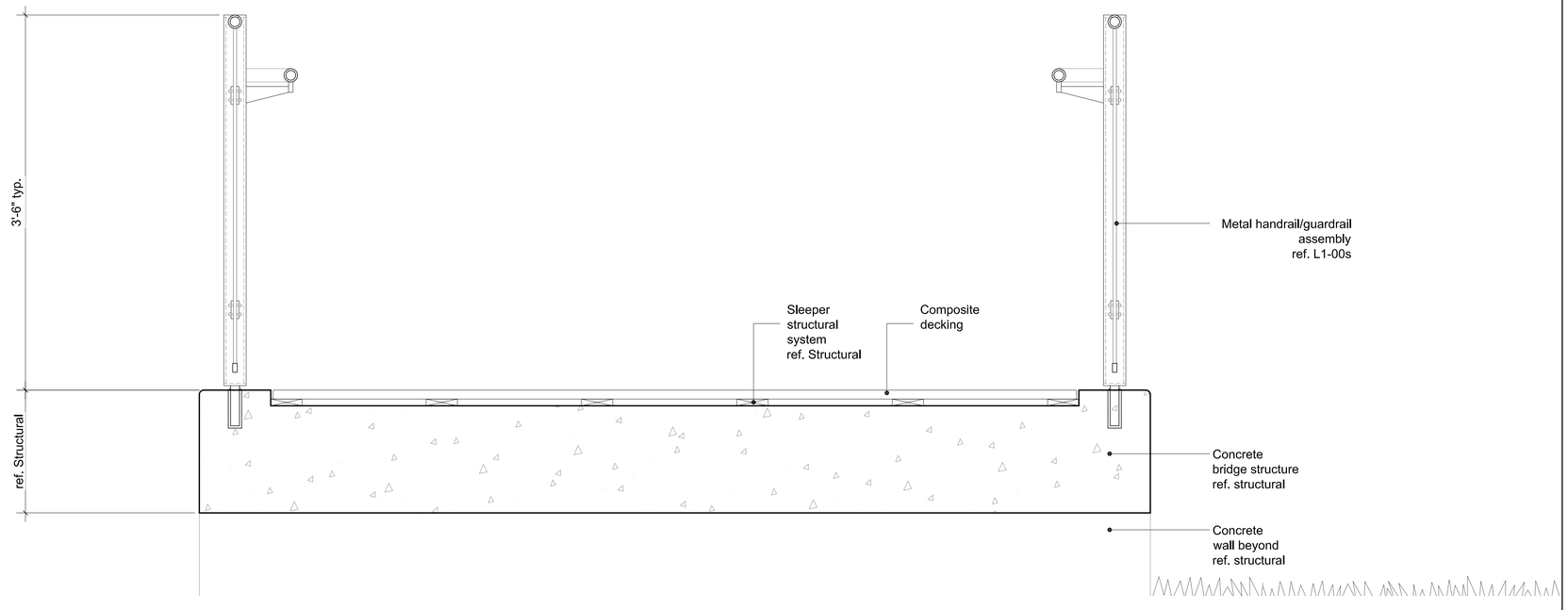
L6-22
Bridge/Ford - Plan Detail



1
L6-22
Pedestrian Bridge/Ford Section Detail

GENERAL NOTE

Refer to sheet L1-01 Design Selection Summary for specific product, finishes, and colors.

Refer to sheets L1-12 & L1-13 for furniture and park element details.

LEGEND

1. Project Limit
2. Not in Contract (N.I.C.): Information provided for design intent only.
3. Planting Area: Ref. L10-00's & L11-00's
4. Expansion Joint: Ref. Civil for detail
5. Tooled Control Joint: Ref. Civil for detail
6. Concrete Paving A
7. Concrete Paving B
8. Concrete Paving C
9. Concrete Paving D
10. Concrete Wall: ref. Structural
11A. Pavestone Concrete Paver A
11B. Pavestone Concrete Paver B
11C. Pavestone Concrete Paver C
11D. Pavestone Concrete Paver D
11E. Pavestone Concrete Paver E
12. Structural Concrete Masonry Unit Wall
13. Structural Fill: Reference Structural
14. Transformer/Switchgear: Ref. Civil
15. Drain Grate
16. Atrium Grate
17. Paver Grate
18. Metal Pergola
19. Metal Trellis
20. Trellis Above
21. Light Fixture Above
22. Metal Guard Rail
23. Metal Handrail
24. Metal Guard Rail and Handrail
25. Granite Bollard
26. Composite Decking
27. Concrete Pier: Locate in field to avoid conflict with existing tree roots - Ref. Structural
28. Structural Steel Beam: Ref. Structural
29. Structural Framing: Ref. Structural
30. Structural Steel Channel: Ref. Structural
31. Concrete walkway: Ref. Civil & Structural
32. Bridge: N.I.C. (Not In Contract)
33. Building Beyond: N.I.C. (Not In Contract)
34. Guardrail Beyond
35. Concrete Form Ties
36. Vertical Control Joints: Ref. Structural
37. Concrete Bench
38. Lake Edge Wall: Ref. Structural
39. Concrete Wall Beyond
40. Electrical: Ref. Civil
41. Concrete Curb - Reference structural
42. Access Panel - Reference structural
43. Vertical Control Joints: Ref. Structural
44. Concrete Weir: Reference Structural
45. Water
46. Hollow Metal Door and Frame
47. Existing Wooden Fence
48. Metal Gate
49. Limestone Boulder
50. Stone Veneer
60. Fully Grouted Beach Pebbles
61. Not Used
62. Not Used
63. Fountain Pool: Ref. Fountain Consultant
64. Fountain Water Supply Line: Reference Fountain Consultant
65. Fountain Drain Line: Reference Fountain Consultant
66. Not used
67. Not used
68. Pedestal Drinking Fountain
69. Litter Receptacle
70. Bench
71. Pet Waste Disposal System
72. Bike Rack
73. Gravel
74. Limestone Slab

LIGHTING

- SA (1,2,3,4,5,6,7,8,9) Pole Mount - ref. Civil
- SB Pole Mount - ref. Civil
- SC Wall Recessed - ref. Civil
- SE Suspended Strand - ref. Civil
- SE-1 Suspended Strand - ref. Civil
- SE-T Direct Imbedded Trans - ref. Civil
- SK1 Surface Mount - ref. Civil
- SK2 Surface Mount - ref. Civil
- L4 Pole Mount - ref. Civil
- L5 Ceiling Mount - ref. Civil

REGISTERED LANDSCAPE ARCHITECT
KEVIN W. SLOAN
2296
STATE OF TEXAS

NO.	REVISION	BY	DATE
1	PEDESTRIAN BRIDGE SECTION		02/21/2011

TOWN OF ADDISON
DALLAS COUNTY, TEXAS

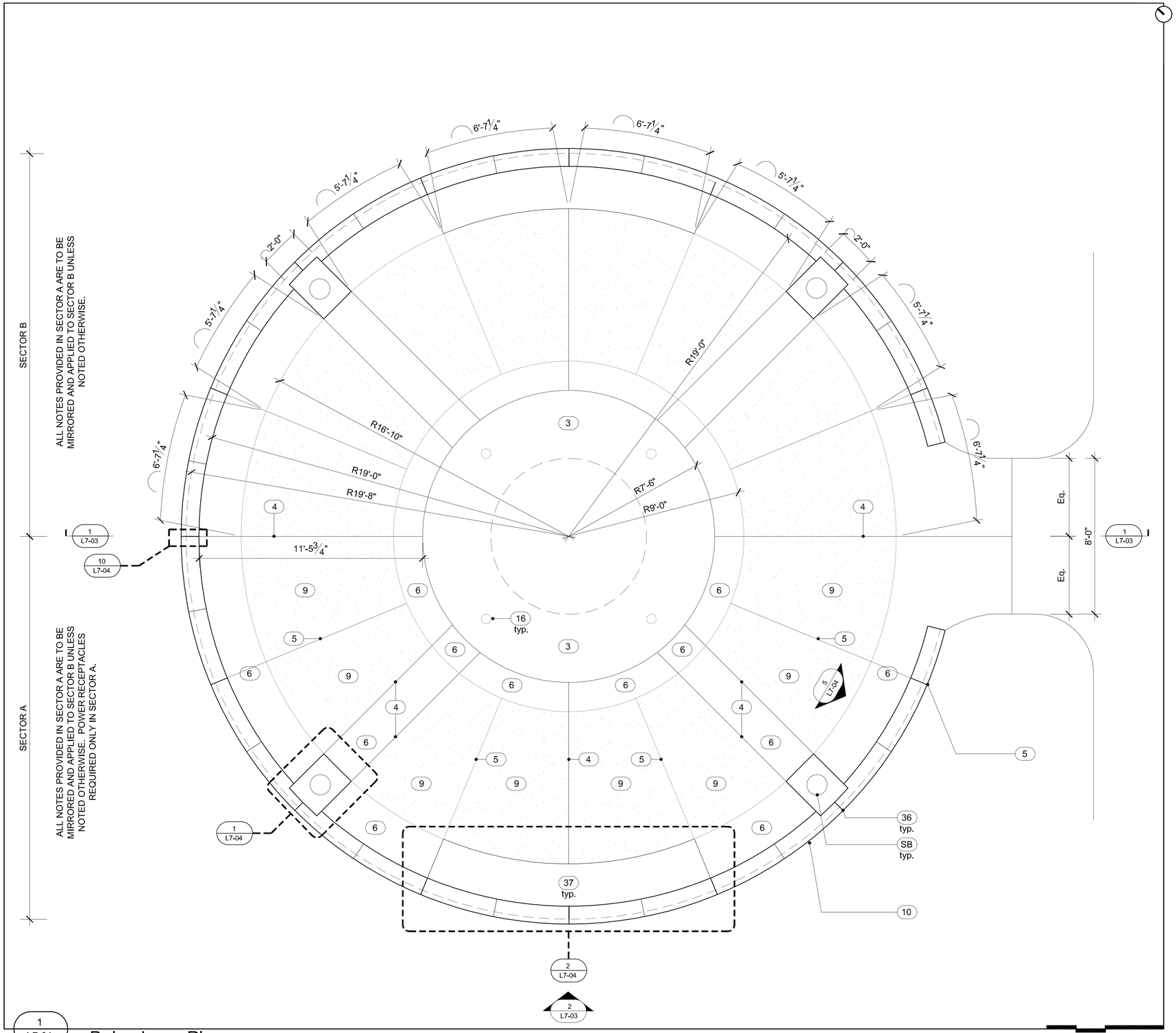
PARK AND STREETSCAPE IMPROVEMENTS
VITRUVIAN PARK

PEDESTRIAN BRIDGE/FORD DETAILS

KEVIN SLOAN STUDIO
2400 Empire Central, Suite F
Dallas, Texas 75235 (214) 459-1784

PROJECT	DESIGN	DRAWN	DATE	FILE	SHEET
5029-01	KWS		APR 26, 2010	PW # 2009-04	L6-22

PARK AND STREETSCAPE IMPROVEMENTS - VITRUVIAN PARK



1 L7-01 Belvedere - Plan

GENERAL NOTE

Refer to sheet L1-01 Design Selection Summary for specific product, finishes, and colors.

Refer to sheets L1-12 & L1-13 for furniture and park element details.

LEGEND

1. Project Limit
2. Not in Contract (N.I.C.): Information provided for design intent only.
3. Planting Area: Ref. L10-00's & L11-00's
4. Expansion Joint: Ref. Civil for detail
5. Tooled Control Joint: Ref. Civil for detail
6. Concrete Paving A
7. Concrete Paving B
8. Concrete Paving C
9. Concrete Paving D
10. Concrete Wall: ref. Structural
11A. Pavestone Concrete Paver A
11B. Pavestone Concrete Paver B
11C. Pavestone Concrete Paver C
11D. Pavestone Concrete Paver D
11E. Pavestone Concrete Paver E
12. Structural Concrete Masonry Unit Wall
13. Structural Fill: Reference Structural
14. Transformer/Switchgear: Ref. Civil
15. Drain Grate
16. Atrium Grate
17. Paver Grate
18. Metal Pergola
19. Metal Trellis
20. Trellis Above
21. Light Fixture Above
22. Metal Guard Rail
23. Metal Handrail
24. Metal Guard Rail and Handrail
25. Granite Bollard
26. Composite Decking
27. Concrete Pier: Locate in field to avoid conflict with existing tree roots - Ref. Structural
28. Structural Steel Beam: Ref. Structural
29. Structural Framing: Ref. Structural
30. Structural Steel Channel: Ref. Structural
31. Concrete walkway: Ref. Civil & Structural
32. Bridge: N.I.C. (Not In Contract)
33. Building Beyond: N.I.C. (Not In Contract)
34. Guardrail Beyond
35. Concrete Form Ties
36. Vertical Control Joints: Ref. Structural
37. Concrete Bench
38. Lake Edge Wall: Ref. Structural
39. Concrete Wall Beyond
40. Electrical: Ref. Civil
41. Concrete Curb - Reference structural
42. Access Panel - Reference structural
43. Vertical Control Joints: Ref. Structural
44. Concrete Weir: Reference Structural
45. Water
46. Hollow Metal Door and Frame
47. Existing Wooden Fence
48. Metal Gate
49. Limestone Boulder
50. Stone Veneer
60. Fully Grouted Beach Pebbles
61. Not Used
62. Not Used
63. Fountain Pool: Ref. Fountain Consultant
64. Fountain Water Supply Line: Reference Fountain Consultant
65. Fountain Drain Line: Reference Fountain Consultant
66. Not used
67. Not used
68. Pedestal Drinking Fountain
69. Litter Receptacle
70. Bench
71. Pet Waste Disposal System
72. Bike Rack
73. Gravel
74. Limestone Slab

LIGHTING

- SA (1,2,3,4,5,6,7,8,9) Pole Mount - ref. Civil
- SB Pole Mount - ref. Civil
- SC Wall Recessed - ref. Civil
- SE Suspended Strand - ref. Civil
- SE-1 Suspended Strand - ref. Civil
- SE-T Direct Imbedded Trans - ref. Civil
- SK1 Surface Mount - ref. Civil
- SK2 Surface Mount - ref. Civil
- L4 Pole Mount - ref. Civil
- L5 Ceiling Mount - ref. Civil

REGISTERED LANDSCAPE ARCHITECT KEVIN W. SLOAN 2296 STATE OF TEXAS

NO.	REVISION	BY	DATE

Addison TOWN OF ADDISON
DALLAS COUNTY, TEXAS

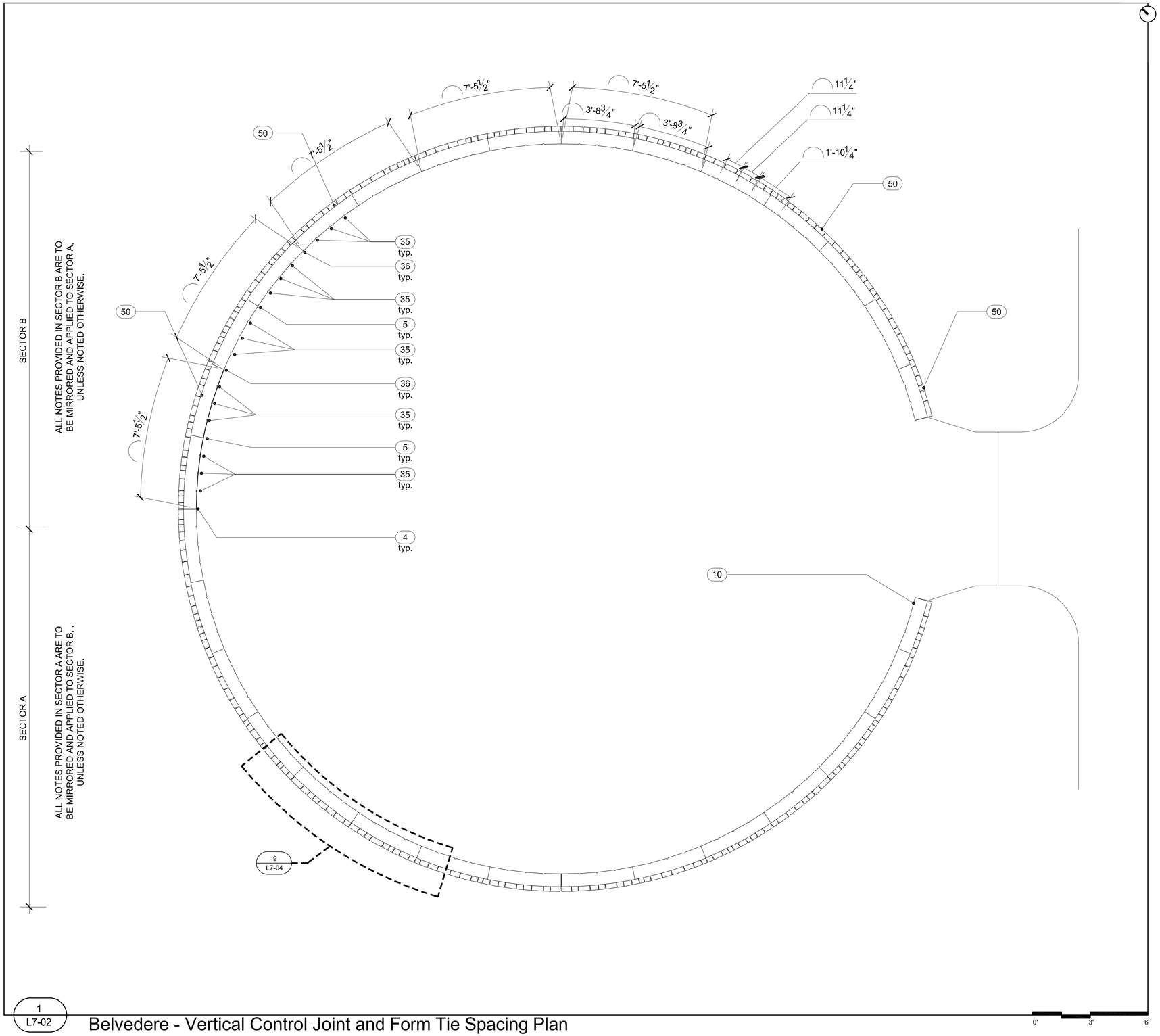
PARK AND STREETSCAPE IMPROVEMENTS
VITRUVIAN PARK

BELVEDERE - MATERIALS, ELEMENTS & LAYOUT

KEVIN SLOAN STUDIO
4145 Travis, Suite 105
Dallas, Texas 75204 (214) 379-1061

PROJECT	DESIGN	DRAWN	DATE	FILE	SHEET
5029-01	KWS		APR 26, 2010	PW # 2009-04	L7-01

PARK AND STREETSCAPE IMPROVEMENTS - VITRUVIAN PARK



1
L7-02

Belvedere - Vertical Control Joint and Form Tie Spacing Plan

GENERAL NOTE

Refer to sheet L1-01 Design Selection Summary for specific product, finishes, and colors.

Refer to sheets L1-12 & L1-13 for furniture and park element details.

LEGEND

1 Project Limit
2 Not in Contract (N.I.C.): Information provided for design intent only.
3 Planting Area: Ref. L10-00's & L11-00's
4 Expansion Joint: Ref. Civil for detail
5 Tooled Control Joint: Ref. Civil for detail
6 Concrete Paving A
7 Concrete Paving B
8 Concrete Paving C
9 Concrete Paving D
10 Concrete Wall: ref. Structural
11A Pavestone Concrete Paver A
11B Pavestone Concrete Paver B
11C Pavestone Concrete Paver C
11D Pavestone Concrete Paver D
11E Pavestone Concrete Paver E
12 Structural Concrete Masonry Unit Wall
13 Structural Fill: Reference Structural
14 Transformer/Switchgear: Ref. Civil
15 Drain Grate
16 Atrium Grate
17 Paver Grate
18 Metal Pergola
19 Metal Trellis
20 Trellis Above
21 Light Fixture Above
22 Metal Guard Rail
23 Metal Handrail
24 Metal Guard Rail and Handrail
25 Granite Bollard
26 Composite Decking
27 Concrete Pier: Locate in field to avoid conflict with existing tree roots - Ref. Structural
28 Structural Steel Beam: Ref. Structural
29 Structural Framing: Ref. Structural
30 Structural Steel Channel: Ref. Structural
31 Concrete walkway: Ref. Civil & Structural
32 Bridge: N.I.C. (Not In Contract)
33 Building Beyond: N.I.C. (Not In Contract)
34 Guardrail Beyond
35 Concrete Form Ties
36 Vertical Control Joints: Ref. Structural
37 Concrete Bench
38 Lake Edge Wall: Ref. Structural
39 Concrete Wall Beyond
40 Electrical: Ref. Civil
41 Concrete Curb - Reference structural
42 Access Panel - Reference structural
43 Vertical Control Joints: Ref. Structural
44 Concrete Weir: Reference Structural
45 Water
46 Hollow Metal Door and Frame
47 Existing Wooden Fence
48 Metal Gate
49 Limestone Boulder
50 Stone Veneer
60 Fully Grouted Beach Pebbles
61 Not Used
62 Not Used
63 Fountain Pool: Ref. Fountain Consultant
64 Fountain Water Supply Line: Reference Fountain Consultant
65 Fountain Drain Line: Reference Fountain Consultant
66 Not used
67 Not used
68 Pedestal Drinking Fountain
69 Litter Receptacle
70 Bench
71 Pet Waste Disposal System
72 Bike Rack
73 Gravel
74 Limestone Slab

LIGHTING

SA (1,2,3,4,5,6,7,8,9) Pole Mount - ref. Civil
SB Pole Mount - ref. Civil
SC Wall Recessed - ref. Civil
SE Suspended Strand - ref. Civil
SE-1 Suspended Strand - ref. Civil
SE-T Direct Imbedded Trans - ref. Civil
SK1 Surface Mount - ref. Civil
SK2 Surface Mount - ref. Civil
L4 Pole Mount - ref. Civil
L5 Ceiling Mount - ref. Civil

REGISTERED LANDSCAPE ARCHITECT KEVIN W. SLOAN 2296 STATE OF TEXAS

NO.	REVISION	BY	DATE

Addison TOWN OF ADDISON
DALLAS COUNTY, TEXAS

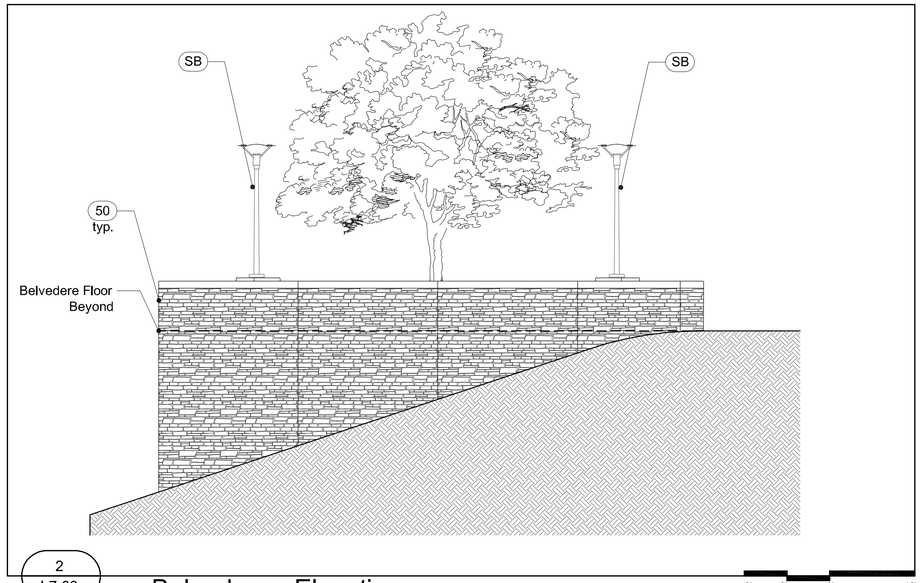
PARK AND STREETSCAPE IMPROVEMENTS
VITRUVIAN PARK

BELVEDERE - VERTICAL CONTROL JOINT AND FORM TIE SPACING PLAN

KEVIN SLOAN STUDIO
4145 Travis, Suite 105
Dallas, Texas 75204 (214) 379-1061

PROJECT	DESIGN	DRAWN	DATE	FILE	SHEET
5029-01	KWS		APR 26, 2010	PW # 2009-04	L7-02

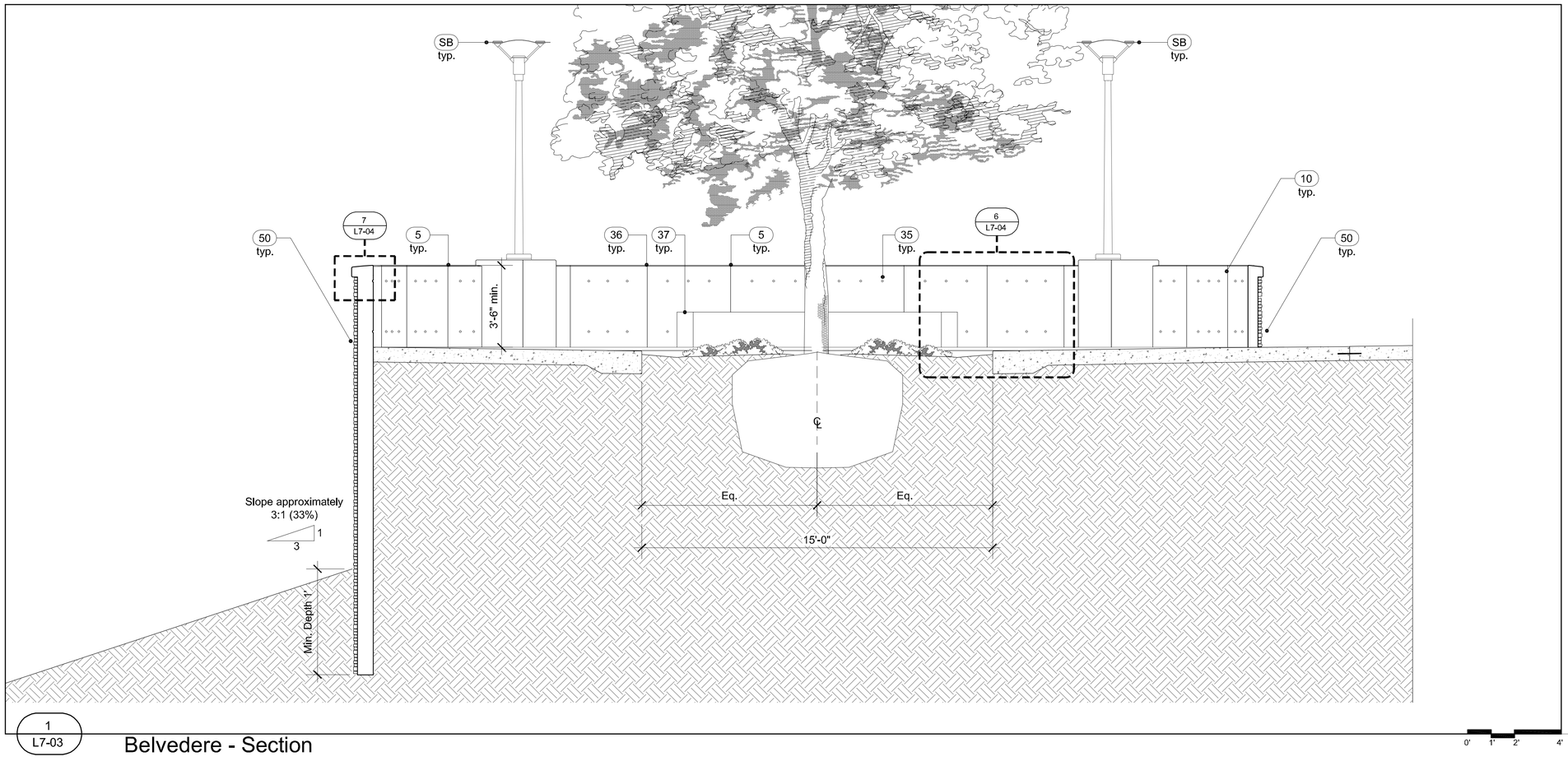
PARK AND STREETSCAPE IMPROVEMENTS - VITRUVIAN PARK



2
L7-03

Belvedere - Elevation

0' 3' 6' 12'



1
L7-03

Belvedere - Section

0' 1' 2' 4'

GENERAL NOTE

Refer to sheet L1-01 Design Selection Summary for specific product, finishes, and colors.

Refer to sheets L1-12 & L1-13 for furniture and park element details.

LEGEND

1. Project Limit
2. Not in Contract (N.I.C.): Information provided for design intent only.
3. Planting Area: Ref. L10-00's & L11-00's
4. Expansion Joint: Ref. Civil for detail
5. Tooled Control Joint: Ref. Civil for detail
6. Concrete Paving A
7. Concrete Paving B
8. Concrete Paving C
9. Concrete Paving D
10. Concrete Wall: ref. Structural
11A. Pavestone Concrete Paver A
11B. Pavestone Concrete Paver B
11C. Pavestone Concrete Paver C
11D. Pavestone Concrete Paver D
11E. Pavestone Concrete Paver E
12. Structural Concrete Masonry Unit Wall
13. Structural Fill: Reference Structural
14. Transformer/Switchgear: Ref. Civil
15. Drain Grate
16. Atrium Grate
17. Paver Grate
18. Metal Pergola
19. Metal Trellis
20. Trellis Above
21. Light Fixture Above
22. Metal Guard Rail
23. Metal Handrail
24. Metal Guard Rail and Handrail
25. Granite Bollard
26. Composite Decking
27. Concrete Pier: Locate in field to avoid conflict with existing tree roots - Ref. Structural
28. Structural Steel Beam: Ref. Structural
29. Structural Framing: Ref. Structural
30. Structural Steel Channel: Ref. Structural
31. Concrete walkway: Ref. Civil & Structural
32. Bridge: N.I.C. (Not In Contract)
33. Building Beyond: N.I.C. (Not In Contract)
34. Guardrail Beyond
35. Concrete Form Ties
36. Vertical Control Joints: Ref. Structural
37. Concrete Bench
38. Lake Edge Wall: Ref. Structural
39. Concrete Wall Beyond
40. Electrical: Ref. Civil
41. Concrete Curb - Reference structural
42. Access Panel - Reference structural
43. Vertical Control Joints: Ref. Structural
44. Concrete Weir: Reference Structural
45. Water
46. Hollow Metal Door and Frame
47. Existing Wooden Fence
48. Metal Gate
49. Limestone Boulder
50. Stone Veneer
60. Fully Grouted Beach Pebbles
61. Not Used
62. Not Used
63. Fountain Pool: Ref. Fountain Consultant
64. Fountain Water Supply Line: Reference Fountain Consultant
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66. Not used
67. Not used
68. Pedestal Drinking Fountain
69. Litter Receptacle
70. Bench
71. Pet Waste Disposal System
72. Bike Rack
73. Gravel
74. Limestone Slab

LIGHTING

- SA (1,2,3,4,5,6,7,8,9) Pole Mount - ref. Civil
- SB Pole Mount - ref. Civil
- SC Wall Recessed - ref. Civil
- SE Suspended Strand - ref. Civil
- SE-1 Suspended Strand - ref. Civil
- SE-T Direct Imbedded Trans - ref. Civil
- SK1 Surface Mount - ref. Civil
- SK2 Surface Mount - ref. Civil
- L4 Pole Mount - ref. Civil
- L5 Ceiling Mount - ref. Civil

REGISTERED LANDSCAPE ARCHITECT
KEVIN W. SLOAN
2296
STATE OF TEXAS

NO.	REVISION	BY	DATE

Addison

TOWN OF ADDISON
DALLAS COUNTY, TEXAS

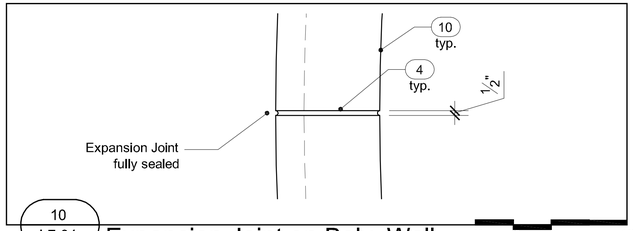
PARK AND STREETSCAPE IMPROVEMENTS
VITRUVIAN PARK

BELVEDERE - SECTIONS & DETAILS

KEVIN SLOAN STUDIO
4145 Travis, Suite 105
Dallas, Texas 75204 (214) 379-1061

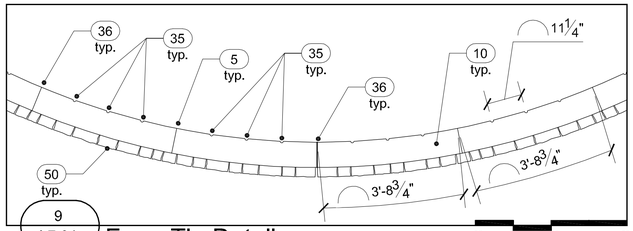
PROJECT	DESIGN	DRAWN	DATE	FILE	SHEET
5029-01	KWS		APR 26, 2010	PW # 2009-04	L7-03

PARK AND STREETSCAPE IMPROVEMENTS - VITRUVIAN PARK



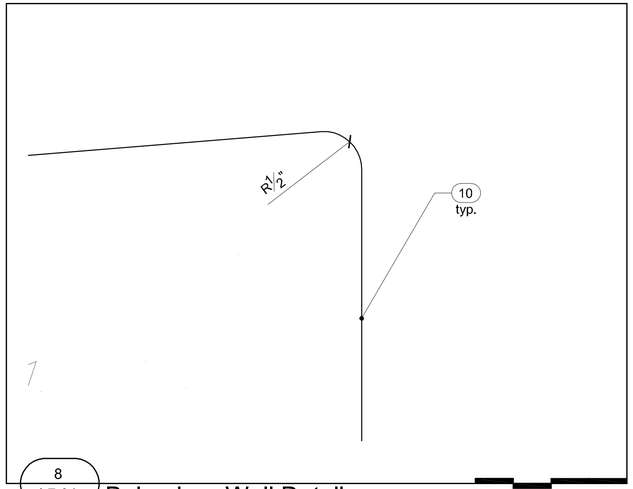
10 L7-04 Expansion Joint on Belv. Wall

0" 4" 8" 16"



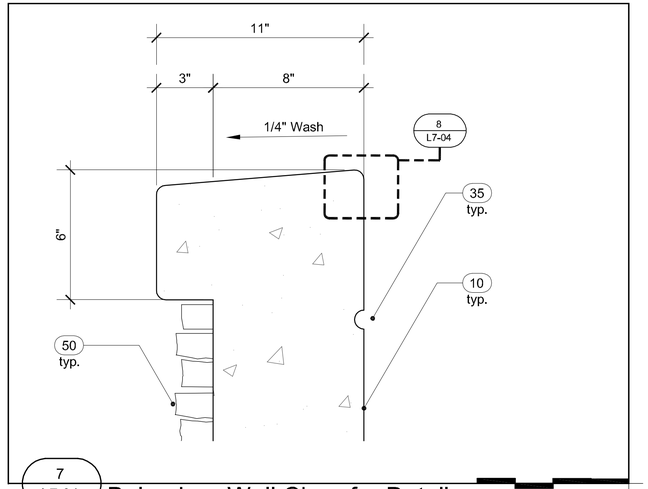
9 L7-04 Form Tie Detail

0" 2" 4" 8"



8 L7-04 Belvedere Wall Detail

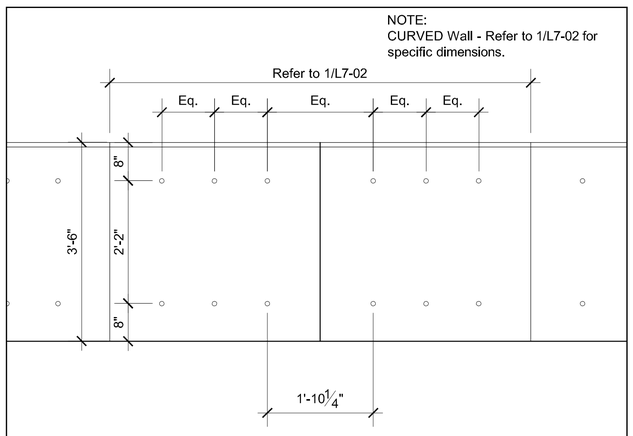
0" 2" 4" 8"



7 L7-04 Belvedere Wall Chamfer Detail

0" 6" 1' 2'

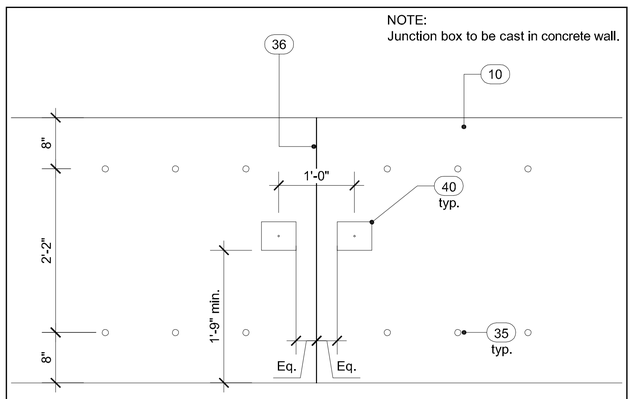
NOTE:
CURVED Wall - Refer to 1/L7-02 for specific dimensions.



6 L7-04 Form Tie Spacing Detail

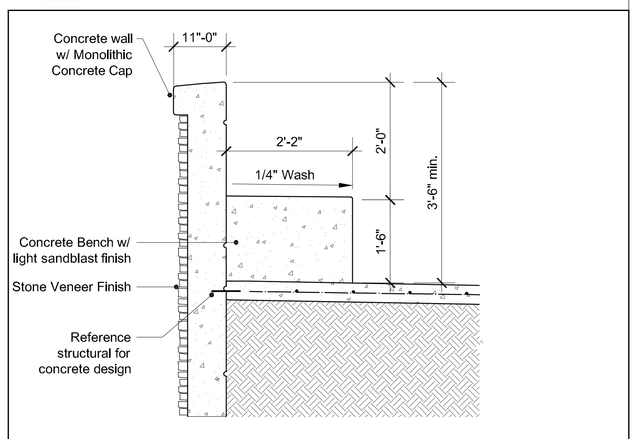
0" 8" 16" 32"

NOTE:
Junction box to be cast in concrete wall.



5 L7-04 Junction Box Detail

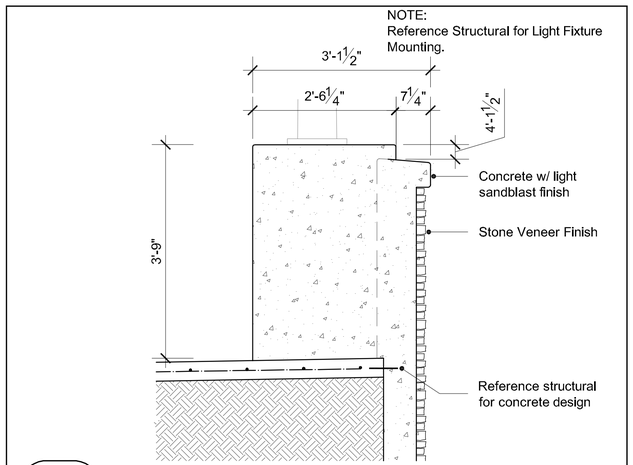
0' 1/2' 1' 2'



4 L7-04 Belvedere Bench - Section

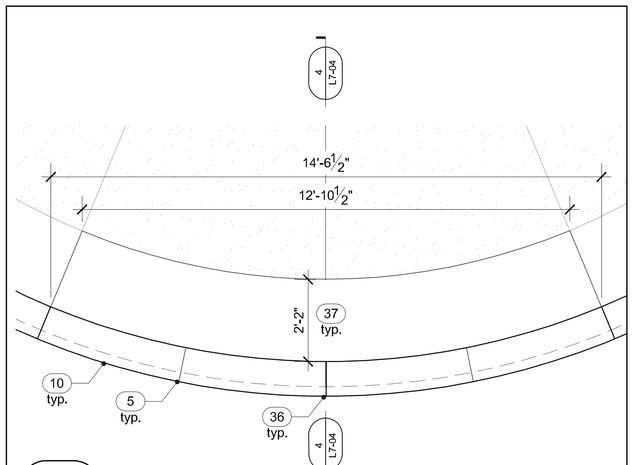
0' 1/2' 1' 2'

NOTE:
Reference Structural for Light Fixture Mounting.



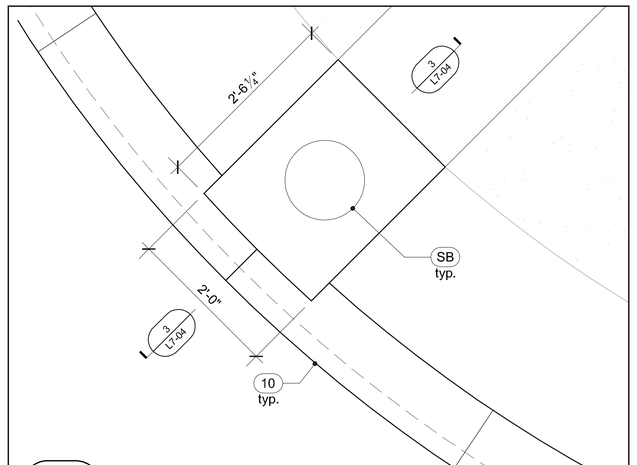
3 L7-04 Belvedere Wall Light Platform - Section

0' 1/2' 1' 2'



2 L7-04 Belvedere Bench - Plan

0' 1' 2' 4'



1 L7-04 Belvedere Wall Light Platform - Plan

0' 1/2' 1' 2'

GENERAL NOTE

Refer to sheet L1-01 Design Selection Summary for specific product, finishes, and colors.

Refer to sheets L1-12 & L1-13 for furniture and park element details.

LEGEND

1. Project Limit
2. Not in Contract (N.I.C.): Information provided for design intent only.
3. Planting Area: Ref. L10-00's & L11-00's
4. Expansion Joint: Ref. Civil for detail
5. Tooled Control Joint: Ref. Civil for detail
6. Concrete Paving A
7. Concrete Paving B
8. Concrete Paving C
9. Concrete Paving D
10. Concrete Wall: ref. Structural
11A. Pavestone Concrete Paver A
11B. Pavestone Concrete Paver B
11C. Pavestone Concrete Paver C
11D. Pavestone Concrete Paver D
11E. Pavestone Concrete Paver E
12. Structural Concrete Masonry Unit Wall
13. Structural Fill: Reference Structural
14. Transformer/Switchgear: Ref. Civil
15. Drain Grate
16. Atrium Grate
17. Paver Grate
18. Metal Pergola
19. Metal Trellis
20. Trellis Above
21. Light Fixture Above
22. Metal Guard Rail
23. Metal Handrail
24. Metal Guard Rail and Handrail
25. Granite Bollard
26. Composite Decking
27. Concrete Pier: Locate in field to avoid conflict with existing tree roots - Ref. Structural
28. Structural Steel Beam: Ref. Structural
29. Structural Framing: Ref. Structural
30. Structural Steel Channel: Ref. Structural
31. Concrete walkway: Ref. Civil & Structural
32. Bridge: N.I.C. (Not In Contract)
33. Building Beyond: N.I.C. (Not In Contract)
34. Guardrail Beyond
35. Concrete Form Ties
36. Vertical Control Joints: Ref. Structural
37. Concrete Bench
38. Lake Edge Wall: Ref. Structural
39. Concrete Wall Beyond
40. Electrical: Ref. Civil
41. Concrete Curb - Reference structural
42. Access Panel - Reference structural
43. Vertical Control Joints: Ref. Structural
44. Concrete Weir: Reference Structural
45. Water
46. Hollow Metal Door and Frame
47. Existing Wooden Fence
48. Metal Gate
49. Limestone Boulder
50. Stone Veneer
60. Fully Grouted Beach Pebbles
61. Not Used
62. Not Used
63. Fountain Pool: Ref. Fountain Consultant
64. Fountain Water Supply Line: Reference Fountain Consultant
65. Fountain Drain Line: Reference Fountain Consultant
66. Not used
67. Not used
68. Pedestal Drinking Fountain
69. Litter Receptacle
70. Bench
71. Pet Waste Disposal System
72. Bike Rack
73. Gravel
74. Limestone Slab

LIGHTING

- SA (1,2,3,4,5,6,7,8,9) Pole Mount - ref. Civil
- SB Pole Mount - ref. Civil
- SC Wall Recessed - ref. Civil
- SE Suspended Strand - ref. Civil
- SE-1 Suspended Strand - ref. Civil
- SE-T Direct Imbedded Trans - ref. Civil
- SK1 Surface Mount - ref. Civil
- SK2 Surface Mount - ref. Civil
- L4 Pole Mount - ref. Civil
- L5 Ceiling Mount - ref. Civil

REGISTERED LANDSCAPE ARCHITECT
KEVIN W. SLOAN
2296
STATE OF TEXAS

NO.	REVISION	BY	DATE

TOWN OF ADDISON
DALLAS COUNTY, TEXAS

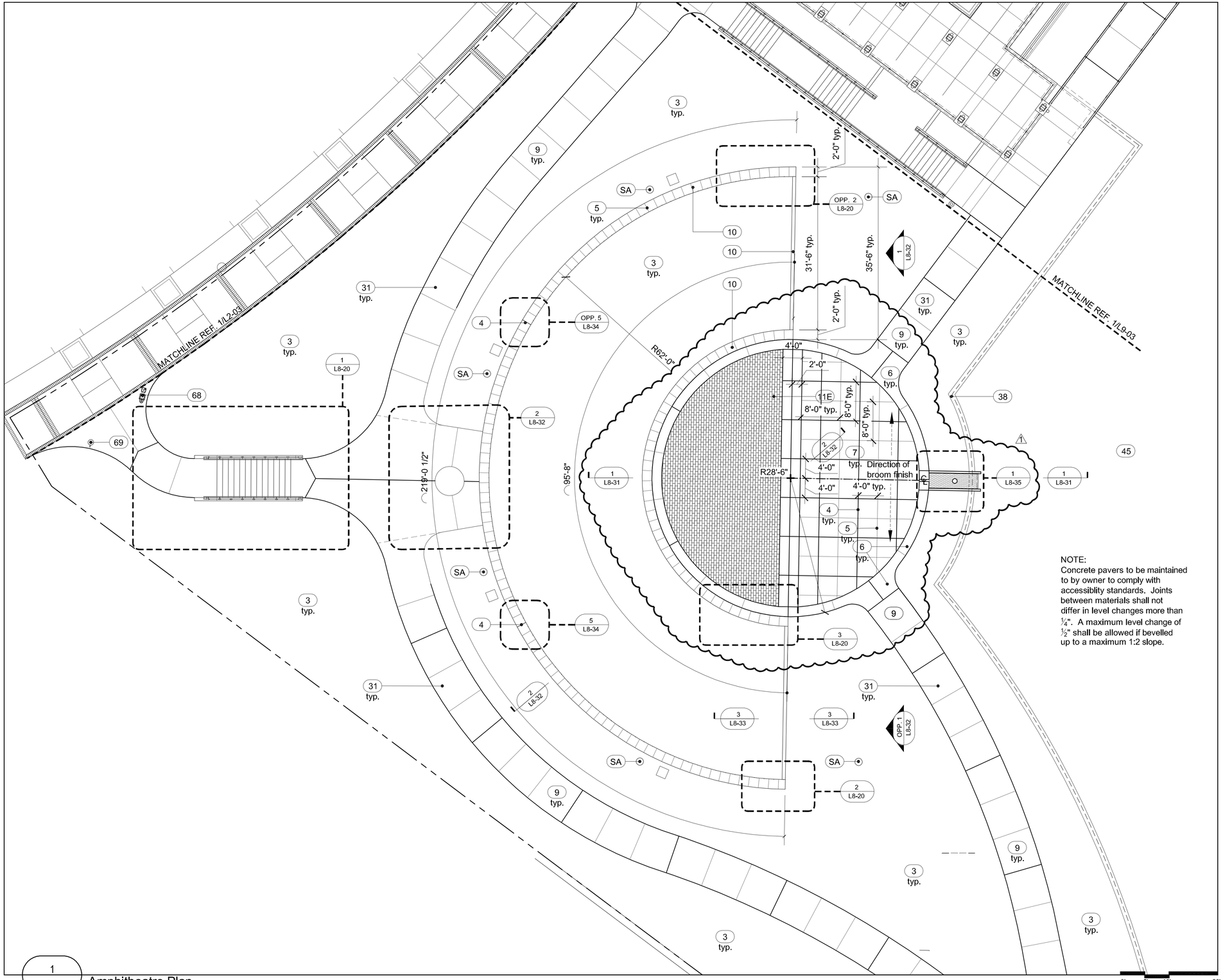
PARK AND STREETSCAPE IMPROVEMENTS
VITRUVIAN PARK

BELVEDERE - SECTIONS & DETAILS

KEVIN SLOAN STUDIO
4145 Travis, Suite 105
Dallas, Texas 75204 (214) 379-1061

PROJECT	DESIGN	DRAWN	DATE	FILE	SHEET
5029-01	KWS		APR 26, 2010	PW # 2009-04	L7-04

PARK AND STREETSCAPE IMPROVEMENTS - VITRUVIAN PARK



NOTE:
Concrete pavers to be maintained to by owner to comply with accessiblity standards. Joints between materials shall not differ in level changes more than ¼". A maximum level change of ½" shall be allowed if bevelled up to a maximum 1:2 slope.

1 L8-01 Amphitheatre Plan

GENERAL NOTE

Refer to sheet L1-01 Design Selection Summary for specific product, finishes, and colors.

Refer to sheets L1-12 & L1-13 for furniture and park element details.

LEGEND

1. Project Limit
2. Not in Contract (N.I.C.): Information provided for design intent only.
3. Planting Area: Ref. L10-00's & L11-00's
4. Expansion Joint: Ref. Civil for detail
5. Tooled Control Joint: Ref. Civil for detail
6. Concrete Paving A
7. Concrete Paving B
8. Concrete Paving C
9. Concrete Paving D
10. Concrete Wall: ref. Structural
11A. Pavestone Concrete Paver A
11B. Pavestone Concrete Paver B
11C. Pavestone Concrete Paver C
11D. Pavestone Concrete Paver D
11E. Pavestone Concrete Paver E
12. Structural Concrete Masonry Unit Wall
13. Structural Fill: Reference Structural
14. Transformer/Switchgear: Ref. Civil
15. Drain Grate
16. Atrium Grate
17. Paver Grate
18. Metal Pergola
19. Metal Trellis
20. Trellis Above
21. Light Fixture Above
22. Metal Guard Rail
23. Metal Handrail
24. Metal Guard Rail and Handrail
25. Granite Bollard
26. Composite Decking
27. Concrete Pier: Locate in field to avoid conflict with existing tree roots - Ref. Structural
28. Structural Steel Beam: Ref. Structural
29. Structural Framing: Ref. Structural
30. Structural Steel Channel: Ref. Structural
31. Concrete walkway: Ref. Civil & Structural
32. Bridge: N.I.C. (Not In Contract)
33. Building Beyond: N.I.C. (Not In Contract)
34. Guardrail Beyond
35. Concrete Form Ties
36. Vertical Control Joints: Ref. Structural
37. Concrete Bench
38. Lake Edge Wall: Ref. Structural
39. Concrete Wall Beyond
40. Electrical: Ref. Civil
41. Concrete Curb - Reference structural
42. Access Panel - Reference structural
43. Vertical Control Joints: Ref. Structural
44. Concrete Weir: Reference Structural
45. Water
46. Hollow Metal Door and Frame
47. Existing Wooden Fence
48. Metal Gate
49. Limestone Boulder
50. Stone Veneer
60. Fully Grouted Beach Pebbles
61. Not Used
62. Not Used
63. Fountain Pool: Ref. Fountain Consultant
64. Fountain Water Supply Line: Reference Fountain Consultant
65. Fountain Drain Line: Reference Fountain Consultant
66. Not used
67. Not used
68. Pedestal Drinking Fountain
69. Litter Receptacle
70. Bench
71. Pet Waste Disposal System
72. Bike Rack
73. Gravel
74. Limestone Slab

LIGHTING

- SA (1,2,3,4,5,6,7,8,9) Pole Mount - ref. Civil
- SB Pole Mount - ref. Civil
- SC Wall Recessed - ref. Civil
- SE Suspended Strand - ref. Civil
- SE-1 Suspended Strand - ref. Civil
- SE-T Direct Imbedded Trans - ref. Civil
- SK1 Surface Mount - ref. Civil
- SK2 Surface Mount - ref. Civil
- L4 Pole Mount - ref. Civil
- L5 Ceiling Mount - ref. Civil

REGISTERED LANDSCAPE ARCHITECT KEVIN W. SLOAN 2296 STATE OF TEXAS

NO.	REVISION	BY	DATE
1	RFI 46 - AMPHITHEATER PAVING	KSS	11/18/10

TOWN OF ADDISON
DALLAS COUNTY, TEXAS

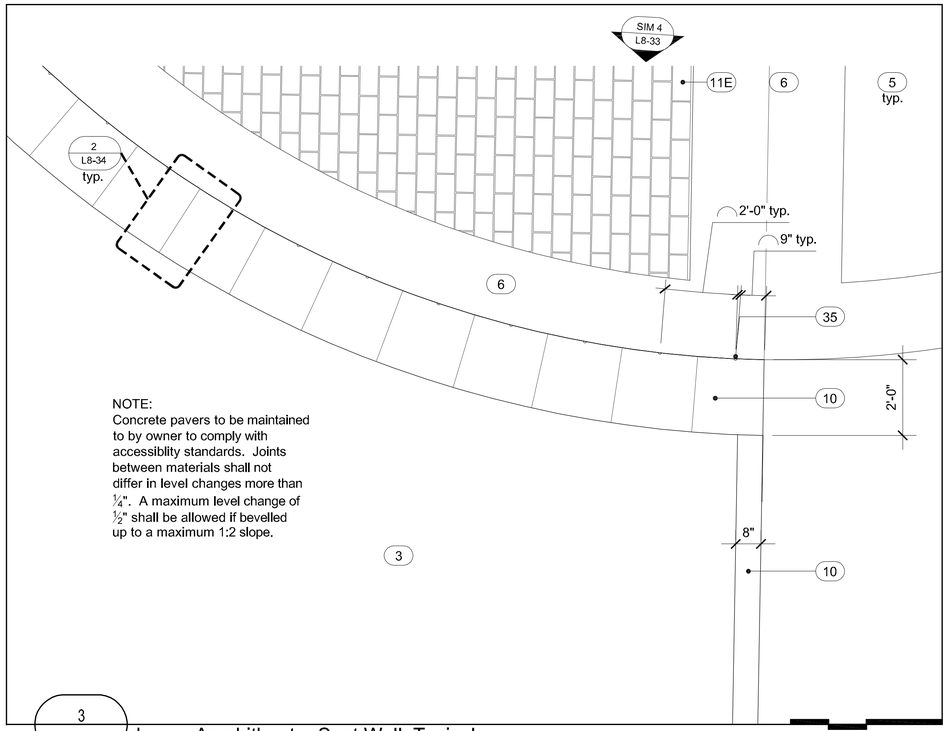
PARK AND STREETSCAPE IMPROVEMENTS
VITRUVIAN PARK

AMPHITHEATER - MATERIALS & LAYOUT

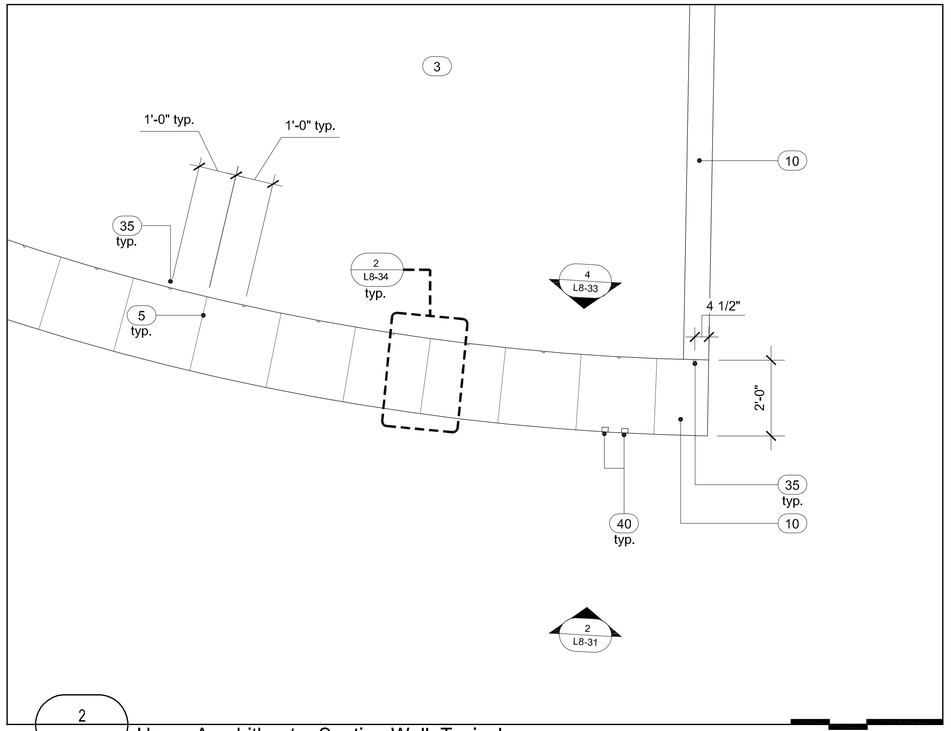
KEVIN SLOAN STUDIO
2400 Empire Central, Suite F
Dallas, Texas 75235 (214) 459-1784

PROJECT	DESIGN	DRAWN	DATE	FILE	SHEET
5029-01	KWS		APR 26, 2010	PW # 2009-04	L8-01

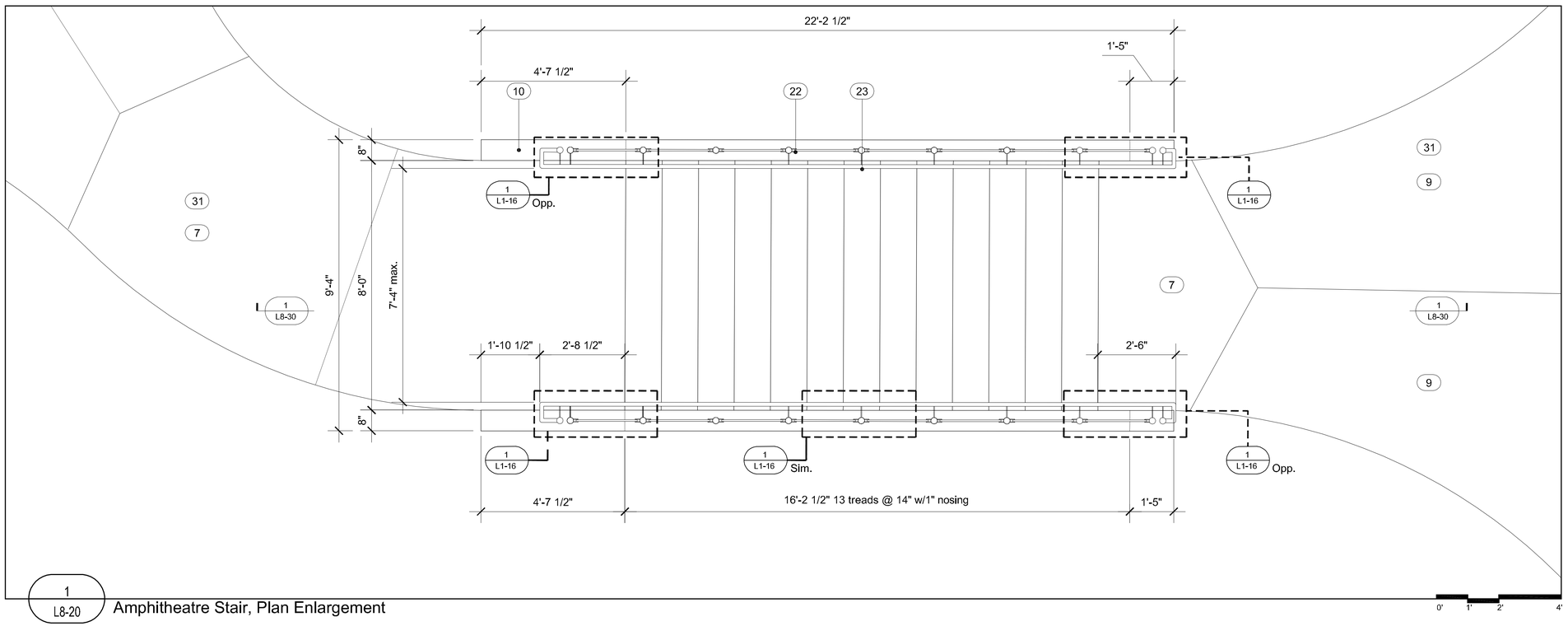
PARK AND STREETSCAPE IMPROVEMENTS - VITRUVIAN PARK



3 L8-20 Lower Amphitheater Seat Wall, Typical



2 L8-20 Upper Amphitheater Seating Wall, Typical



1 L8-20 Amphitheatre Stair, Plan Enlargement

GENERAL NOTE

Refer to sheet L1-01 Design Selection Summary for specific product, finishes, and colors.

Refer to sheets L1-12 & L1-13 for furniture and park element details.

LEGEND

1. Project Limit
2. Not in Contract (N.I.C.): Information provided for design intent only.
3. Planting Area: Ref. L10-00's & L11-00's
4. Expansion Joint: Ref. Civil for detail
5. Tooled Control Joint: Ref. Civil for detail
6. Concrete Paving A
7. Concrete Paving B
8. Concrete Paving C
9. Concrete Paving D
10. Concrete Wall: ref. Structural
11A. Pavestone Concrete Paver A
11B. Pavestone Concrete Paver B
11C. Pavestone Concrete Paver C
11D. Pavestone Concrete Paver D
11E. Pavestone Concrete Paver E
12. Structural Concrete Masonry Unit Wall
13. Structural Fill: Reference Structural
14. Transformer/Switchgear: Ref. Civil
15. Drain Grate
16. Atrium Grate
17. Paver Grate
18. Metal Pergola
19. Metal Trellis
20. Trellis Above
21. Light Fixture Above
22. Metal Guard Rail
23. Metal Handrail
24. Metal Guard Rail and Handrail
25. Granite Bollard
26. Composite Decking
27. Concrete Pier: Locate in field to avoid conflict with existing tree roots - Ref. Structural
28. Structural Steel Beam: Ref. Structural
29. Structural Framing: Ref. Structural
30. Structural Steel Channel: Ref. Structural
31. Concrete walkway: Ref. Civil & Structural
32. Bridge: N.I.C. (Not In Contract)
33. Building Beyond: N.I.C. (Not In Contract)
34. Guardrail Beyond
35. Concrete Form Ties
36. Vertical Control Joints: Ref. Structural
37. Concrete Bench
38. Lake Edge Wall: Ref. Structural
39. Concrete Wall Beyond
40. Electrical: Ref. Civil
41. Concrete Curb - Reference structural
42. Access Panel - Reference structural
43. Vertical Control Joints: Ref. Structural
44. Concrete Weir: Reference Structural
45. Water
46. Hollow Metal Door and Frame
47. Existing Wooden Fence
48. Metal Gate
49. Limestone Boulder
50. Stone Veneer
60. Fully Grouted Beach Pebbles
61. Not Used
62. Not Used
63. Fountain Pool: Ref. Fountain Consultant
64. Fountain Water Supply Line: Reference Fountain Consultant
65. Fountain Drain Line: Reference Fountain Consultant
66. Not used
67. Not used
68. Pedestal Drinking Fountain
69. Litter Receptacle
70. Bench
71. Pet Waste Disposal System
72. Bike Rack
73. Gravel
74. Limestone Slab

LIGHTING

- SA (1,2,3,4,5,6,7,8,9) Pole Mount - ref. Civil
- SB Pole Mount - ref. Civil
- SC Wall Recessed - ref. Civil
- SE Suspended Strand - ref. Civil
- SE-1 Suspended Strand - ref. Civil
- SE-1 Direct Imbedded Trans - ref. Civil
- SK1 Surface Mount - ref. Civil
- SK2 Surface Mount - ref. Civil
- L4 Pole Mount - ref. Civil
- L5 Ceiling Mount - ref. Civil

REGISTERED LANDSCAPE ARCHITECT KEVIN W. SLOAN 2296 STATE OF TEXAS

NO.	REVISION	BY	DATE

TOWN OF ADDISON
DALLAS COUNTY, TEXAS

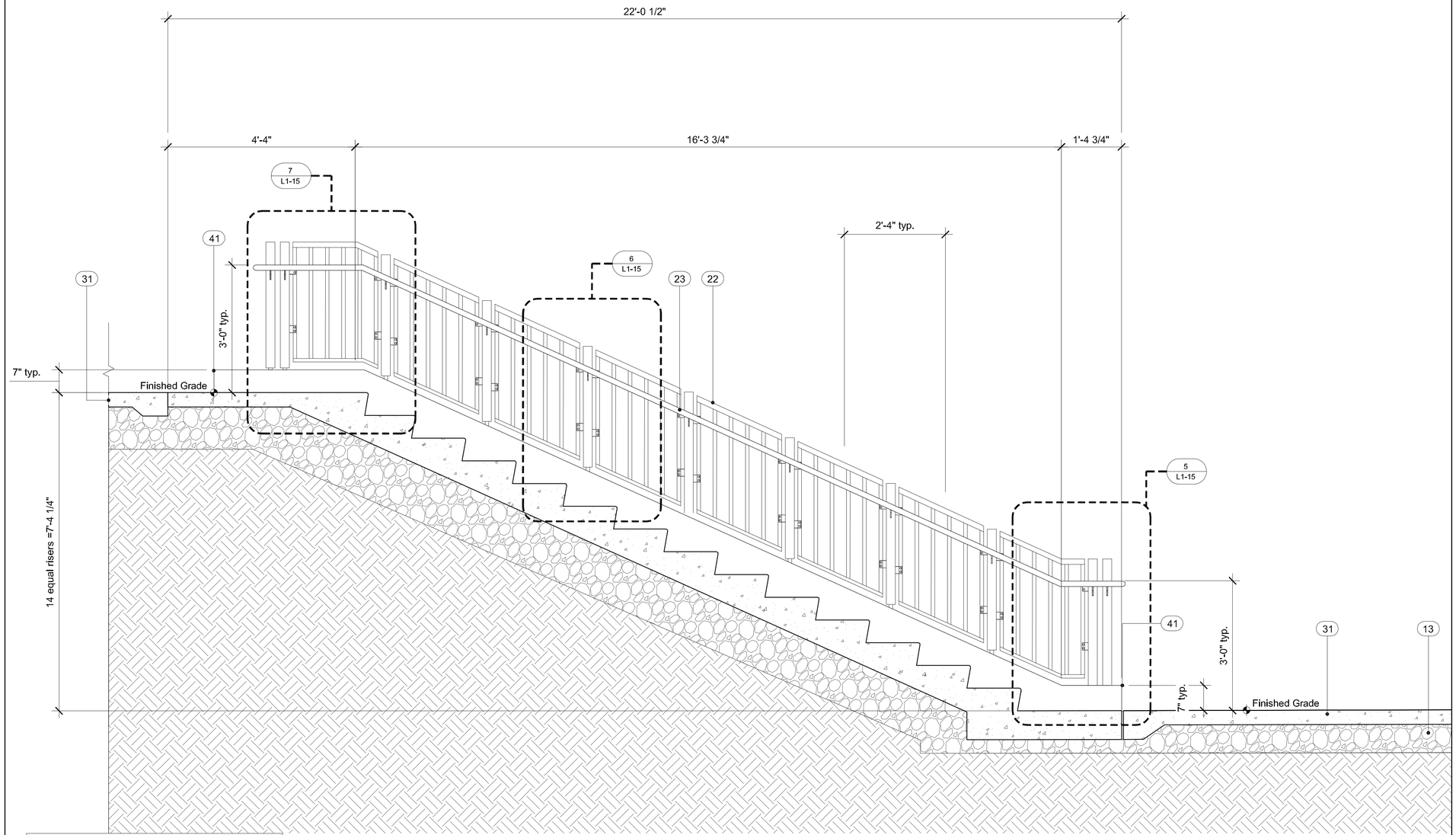
PARK AND STREETSCAPE IMPROVEMENTS
VITRUVIAN PARK

AMPHITHEATER - PLAN ENLARGEMENTS

KEVIN SLOAN STUDIO
4145 Travis, Suite 105
Dallas, Texas 75204 (214) 379-1061

PROJECT	DESIGN	DRAWN	DATE	FILE	SHEET
5029-01	KWS		APR 26, 2010	PW # 2009-04	L8-20

PARK AND STREETSCAPE IMPROVEMENTS - VITRUVIAN PARK



GRADING NOTES:

1. No walk or ramp cross slopes shall exceed 2.0%.
2. No walk longitudinal slope shall exceed 5.0%.
3. No ramp longitudinal slope shall exceed 8.33%.
4. Curb ramps shall be constucted at a maximum longitudinal slope of 8.33% and a maximum cross slopes of 2.0%. Length to be determined in field.
5. Refer to Civil Engineer drawings for grading information.

1
L8-30
Amphitheatre Staircase Section, Typical

0' 8" 16" 32"
Scale in INCHES

GENERAL NOTE

Refer to sheet L1-01 Design Selection Summary for specific product, finishes, and colors.

Refer to sheets L1-12 & L1-13 for furniture and park element details.

LEGEND

1. Project Limit
2. Not in Contract (N.I.C.): Information provided for design intent only.
3. Planting Area: Ref. L10-00's & L11-00's
4. Expansion Joint: Ref. Civil for detail
5. Tooled Control Joint: Ref. Civil for detail
6. Concrete Paving A
7. Concrete Paving B
8. Concrete Paving C
9. Concrete Paving D
10. Concrete Wall: ref. Structural
11A. Pavestone Concrete Paver A
11B. Pavestone Concrete Paver B
11C. Pavestone Concrete Paver C
11D. Pavestone Concrete Paver D
11E. Pavestone Concrete Paver E
12. Structural Concrete Masonry Unit Wall
13. Structural Fill: Reference Structural
14. Transformer/Switchgear: Ref. Civil
15. Drain Grate
16. Atrium Grate
17. Paver Grate
18. Metal Pergola
19. Metal Trellis
20. Trellis Above
21. Light Fixture Above
22. Metal Guard Rail
23. Metal Handrail
24. Metal Guard Rail and Handrail
25. Granite Bollard
26. Composite Decking
27. Concrete Pier: Locate in field to avoid conflict with existing tree roots - Ref. Structural
28. Structural Steel Beam: Ref. Structural
29. Structural Framing: Ref. Structural
30. Structural Steel Channel: Ref. Structural
31. Concrete walkway: Ref. Civil & Structural
32. Bridge: N.I.C. (Not In Contract)
33. Building Beyond: N.I.C. (Not In Contract)
34. Guardrail Beyond
35. Concrete Form Ties
36. Vertical Control Joints: Ref. Structural
37. Concrete Bench
38. Lake Edge Wall: Ref. Structural
39. Concrete Wall Beyond
40. Electrical: Ref. Civil
41. Concrete Curb - Reference structural
42. Access Panel - Reference structural
43. Vertical Control Joints: Ref. Structural
44. Concrete Weir: Reference Structural
45. Water
46. Hollow Metal Door and Frame
47. Existing Wooden Fence
48. Metal Gate
49. Limestone Boulder
50. Stone Veneer
60. Fully Grouted Beach Pebbles
61. Not Used
62. Not Used
63. Fountain Pool: Ref. Fountain Consultant
64. Fountain Water Supply Line: Reference Fountain Consultant
65. Fountain Drain Line: Reference Fountain Consultant
66. Not used
67. Not used
68. Pedestal Drinking Fountain
69. Litter Receptacle
70. Bench
71. Pet Waste Disposal System
72. Bike Rack
73. Gravel
74. Limestone Slab

LIGHTING

- SA (1,2,3,4,5,6,7,8,9) Pole Mount - ref. Civil
- SB Pole Mount - ref. Civil
- SC Wall Recessed - ref. Civil
- SE Suspended Strand - ref. Civil
- SE-1 Suspended Strand - ref. Civil
- SE-T Direct Imbedded Trans - ref. Civil
- SK1 Surface Mount - ref. Civil
- SK2 Surface Mount - ref. Civil
- L4 Pole Mount - ref. Civil
- L5 Ceiling Mount - ref. Civil

REGISTERED LANDSCAPE ARCHITECT
KEVIN W. SLOAN
2296
STATE OF TEXAS

NO.	REVISION	BY	DATE

TOWN OF ADDISON
DALLAS COUNTY, TEXAS

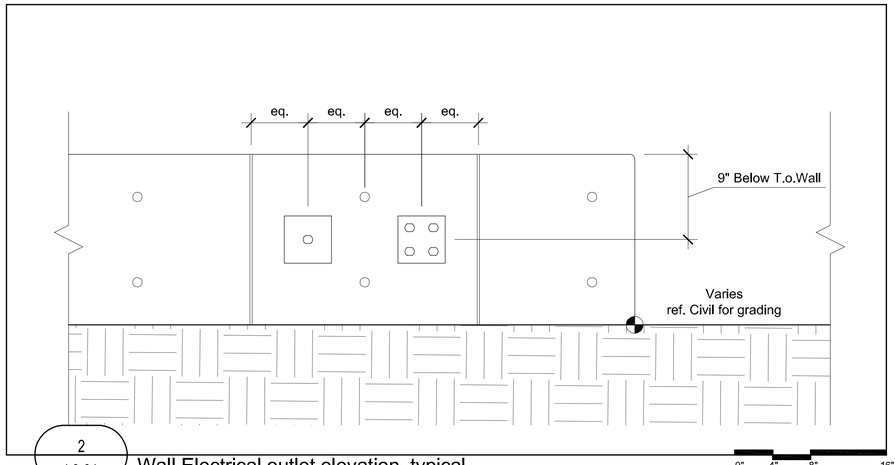
PARK AND STREETSCAPE IMPROVEMENTS
VITRUVIAN PARK

AMPHITHEATER STAIRCASE SECTION

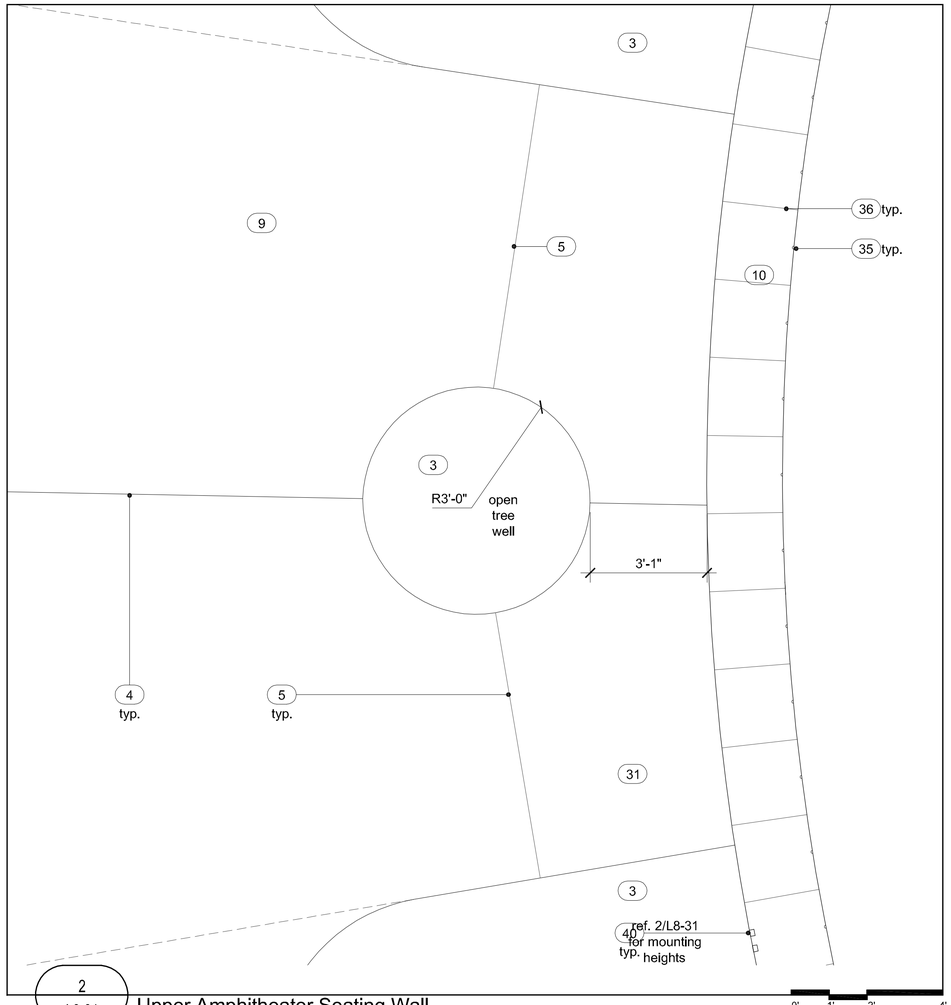
KEVIN SLOAN STUDIO
4145 Travis, Suite 105
Dallas, Texas 75204 (214) 379-1061

PROJECT	DESIGN	DRAWN	DATE	FILE	SHEET
5029-01	KWS		APR 26, 2010	PW # 2009-04	L8-30

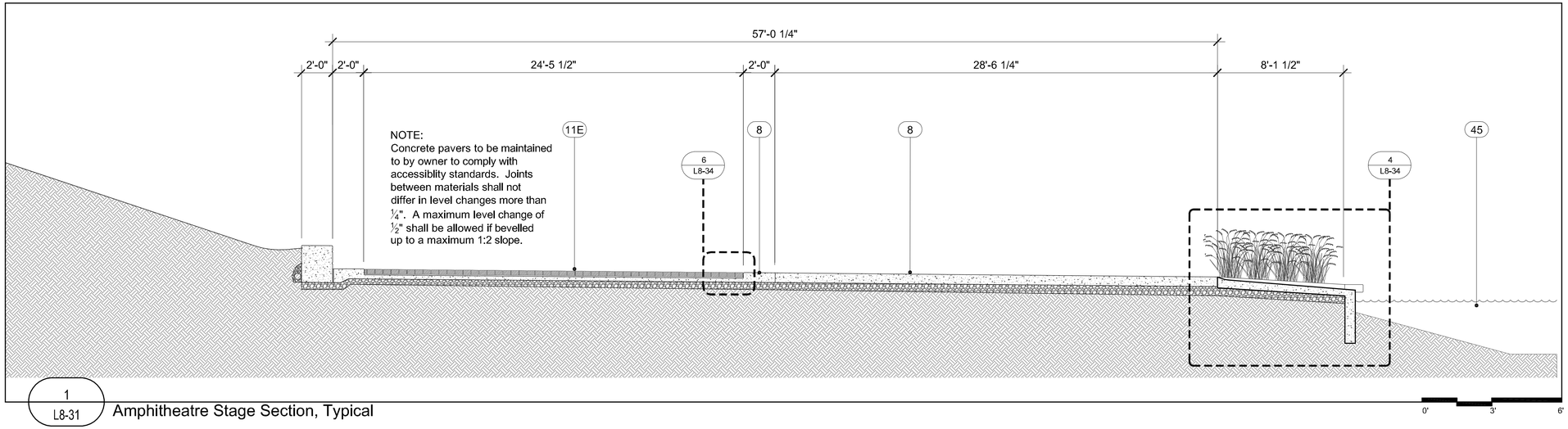
PARK AND STREETSCAPE IMPROVEMENTS - VITRUVIAN PARK



2 / L8-31 Wall Electrical outlet elevation, typical



2 / L8-31 Upper Amphitheater Seating Wall



1 / L8-31 Amphitheatre Stage Section, Typical

GENERAL NOTE

Refer to sheet L1-01 Design Selection Summary for specific product, finishes, and colors.

Refer to sheets L1-12 & L1-13 for furniture and park element details.

LEGEND

1. Project Limit
2. Not in Contract (N.I.C.): Information provided for design intent only.
3. Planting Area: Ref. L10-00's & L11-00's
4. Expansion Joint: Ref. Civil for detail
5. Tooled Control Joint: Ref. Civil for detail
6. Concrete Paving A
7. Concrete Paving B
8. Concrete Paving C
9. Concrete Paving D
10. Concrete Wall: ref. Structural
11A. Pavestone Concrete Paver A
11B. Pavestone Concrete Paver B
11C. Pavestone Concrete Paver C
11D. Pavestone Concrete Paver D
11E. Pavestone Concrete Paver E
12. Structural Concrete Masonry Unit Wall
13. Structural Fill: Reference Structural
14. Transformer/Switchgear: Ref. Civil
15. Drain Grate
16. Atrium Grate
17. Paver Grate
18. Metal Pergola
19. Metal Trellis
20. Trellis Above
21. Light Fixture Above
22. Metal Guard Rail
23. Metal Handrail
24. Metal Guard Rail and Handrail
25. Granite Bollard
26. Composite Decking
27. Concrete Pier: Locate in field to avoid conflict with existing tree roots - Ref. Structural
28. Structural Steel Beam: Ref. Structural
29. Structural Framing: Ref. Structural
30. Structural Steel Channel: Ref. Structural
31. Concrete walkway: Ref. Civil & Structural
32. Bridge: N.I.C. (Not In Contract)
33. Building Beyond: N.I.C. (Not In Contract)
34. Guardrail Beyond
35. Concrete Form Ties
36. Vertical Control Joints: Ref. Structural
37. Concrete Bench
38. Lake Edge Wall: Ref. Structural
39. Concrete Wall Beyond
40. Electrical: Ref. Civil
41. Concrete Curb - Reference structural
42. Access Panel - Reference structural
43. Vertical Control Joints: Ref. Structural
44. Concrete Weir: Reference Structural
45. Water
46. Hollow Metal Door and Frame
47. Existing Wooden Fence
48. Metal Gate
49. Limestone Boulder
50. Stone Veneer
60. Fully Grouted Beach Pebbles
61. Not Used
62. Not Used
63. Fountain Pool: Ref. Fountain Consultant
64. Fountain Water Supply Line: Reference Fountain Consultant
65. Fountain Drain Line: Reference Fountain Consultant
66. Not used
67. Not used
68. Pedestal Drinking Fountain
69. Litter Receptacle
70. Bench
71. Pet Waste Disposal System
72. Bike Rack
73. Gravel
74. Limestone Slab

LIGHTING

- SA (1,2,3,4,5,6,7,8,9) Pole Mount - ref. Civil
- SB Pole Mount - ref. Civil
- SC Wall Recessed - ref. Civil
- SE Suspended Strand - ref. Civil
- SE-1 Suspended Strand - ref. Civil
- SE-T Direct Imbedded Trans - ref. Civil
- SK1 Surface Mount - ref. Civil
- SK2 Surface Mount - ref. Civil
- L4 Pole Mount - ref. Civil
- L5 Ceiling Mount - ref. Civil

REGISTERED LANDSCAPE ARCHITECT
KEVIN W SLOAN
2296
STATE OF TEXAS

NO.	REVISION	BY	DATE

Addison

TOWN OF ADDISON
DALLAS COUNTY, TEXAS

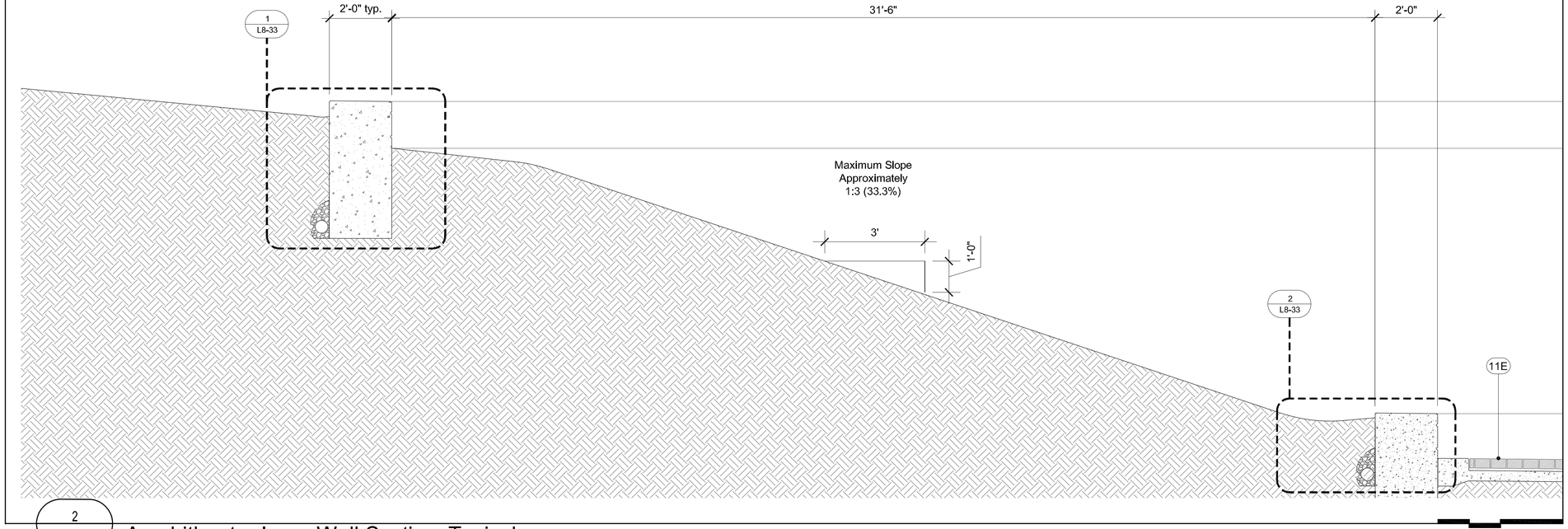
PARK AND STREETSCAPE IMPROVEMENTS
VITRUVIAN PARK

AMPHITHEATER STAGE SECTION

KEVIN SLOAN STUDIO
4145 Travis, Suite 105
Dallas, Texas 75204 (214) 379-1061

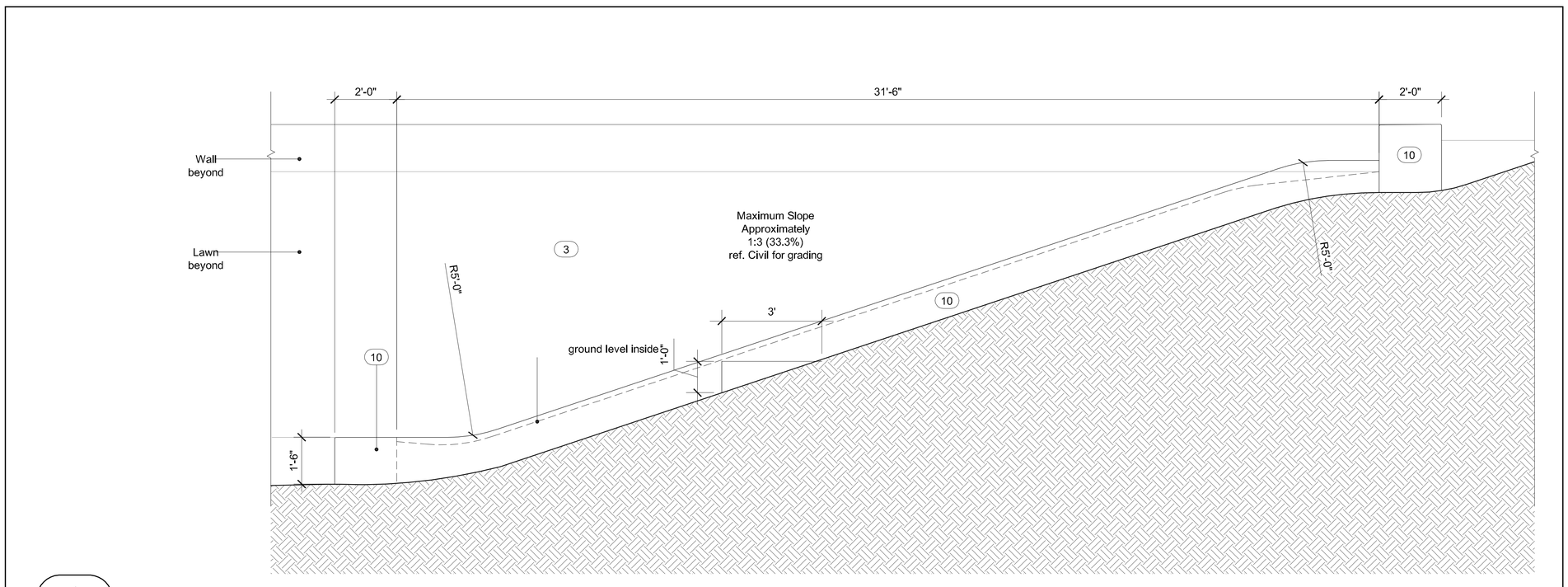
PROJECT	DESIGN	DRAWN	DATE	FILE	SHEET
5029-01	KWS		APR 26, 2010	PW # 2009-04	L8-31

PARK AND STREETSCAPE IMPROVEMENTS - VITRUVIAN PARK



2
L8-32

Amphitheatre Inner Wall Section, Typical



1
L8-32

Amphitheatre Outer Wall Elevation Typical

GENERAL NOTE

Refer to sheet L1-01 Design Selection Summary for specific product, finishes, and colors.

Refer to sheets L1-12 & L1-13 for furniture and park element details.

LEGEND

1. Project Limit
2. Not in Contract (N.I.C.): Information provided for design intent only.
3. Planting Area: Ref. L10-00's & L11-00's
4. Expansion Joint: Ref. Civil for detail
5. Tooled Control Joint: Ref. Civil for detail
6. Concrete Paving A
7. Concrete Paving B
8. Concrete Paving C
9. Concrete Paving D
10. Concrete Wall: ref. Structural
11A. Pavestone Concrete Paver A
11B. Pavestone Concrete Paver B
11C. Pavestone Concrete Paver C
11D. Pavestone Concrete Paver D
11E. Pavestone Concrete Paver E
12. Structural Concrete Masonry Unit Wall
13. Structural Fill: Reference Structural
14. Transformer/Switchgear: Ref. Civil
15. Drain Grate
16. Atrium Grate
17. Paver Grate
18. Metal Pergola
19. Metal Trellis
20. Trellis Above
21. Light Fixture Above
22. Metal Guard Rail
23. Metal Handrail
24. Metal Guard Rail and Handrail
25. Granite Bollard
26. Composite Decking
27. Concrete Pier: Locate in field to avoid conflict with existing tree roots - Ref. Structural
28. Structural Steel Beam: Ref. Structural
29. Structural Framing: Ref. Structural
30. Structural Steel Channel: Ref. Structural
31. Concrete walkway: Ref. Civil & Structural
32. Bridge: N.I.C. (Not In Contract)
33. Building Beyond: N.I.C. (Not In Contract)
34. Guardrail Beyond
35. Concrete Form Ties
36. Vertical Control Joints: Ref. Structural
37. Concrete Bench
38. Lake Edge Wall: Ref. Structural
39. Concrete Wall Beyond
40. Electrical: Ref. Civil
41. Concrete Curb - Reference structural
42. Access Panel - Reference structural
43. Vertical Control Joints: Ref. Structural
44. Concrete Weir: Reference Structural
45. Water
46. Hollow Metal Door and Frame
47. Existing Wooden Fence
48. Metal Gate
49. Limestone Boulder
50. Stone Veneer
60. Fully Grouted Beach Pebbles
61. Not Used
62. Not Used
63. Fountain Pool: Ref. Fountain Consultant
64. Fountain Water Supply Line: Reference Fountain Consultant
65. Fountain Drain Line: Reference Fountain Consultant
66. Not used
67. Not used
68. Pedestal Drinking Fountain
69. Litter Receptacle
70. Bench
71. Pet Waste Disposal System
72. Bike Rack
73. Gravel
74. Limestone Slab

LIGHTING

- SA (1,2,3,4,5,6,7,8,9) Pole Mount - ref. Civil
- SB Pole Mount - ref. Civil
- SC Wall Recessed - ref. Civil
- SE Suspended Strand - ref. Civil
- SE-1 Suspended Strand - ref. Civil
- SE-T Direct Imbedded Trans - ref. Civil
- SK1 Surface Mount - ref. Civil
- SK2 Surface Mount - ref. Civil
- L4 Pole Mount - ref. Civil
- L5 Ceiling Mount - ref. Civil

REGISTERED LANDSCAPE ARCHITECT
KEVIN W. SLOAN
2296
STATE OF TEXAS

NO.	REVISION	BY	DATE

Addison

TOWN OF ADDISON
DALLAS COUNTY, TEXAS

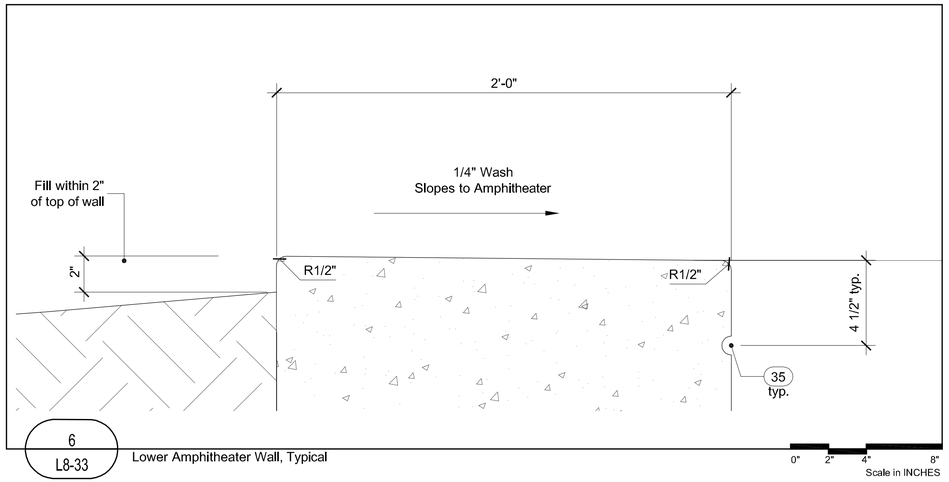
PARK AND STREETSCAPE IMPROVEMENTS
VITRUVIAN PARK

AMPHITHEATER WALL SECTION

KEVIN SLOAN STUDIO
4145 Travis, Suite 105
Dallas, Texas 75204 (214) 379-1061

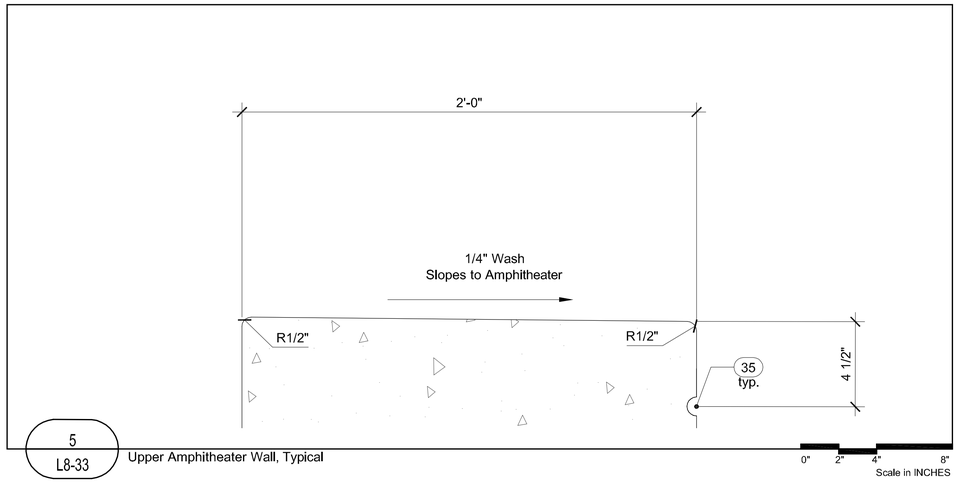
PROJECT	DESIGN	DRAWN	DATE	FILE	SHEET
5029-01	KWS		APR 26, 2010	PW # 2009-04	L8-32

PARK AND STREETSCAPE IMPROVEMENTS - VITRUVIAN PARK



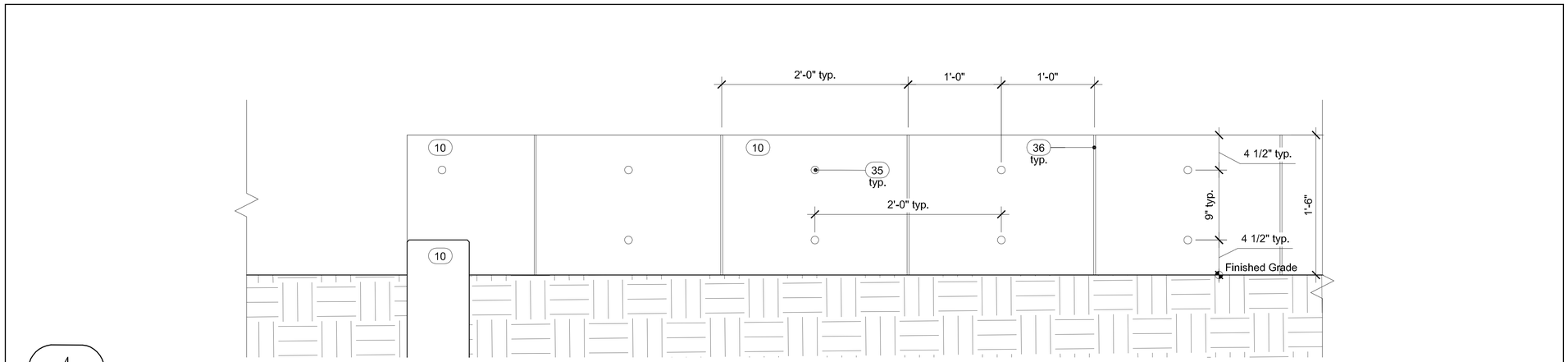
6
L8-33
Lower Amphitheater Wall, Typical

0" 2" 4" 8"
Scale in INCHES



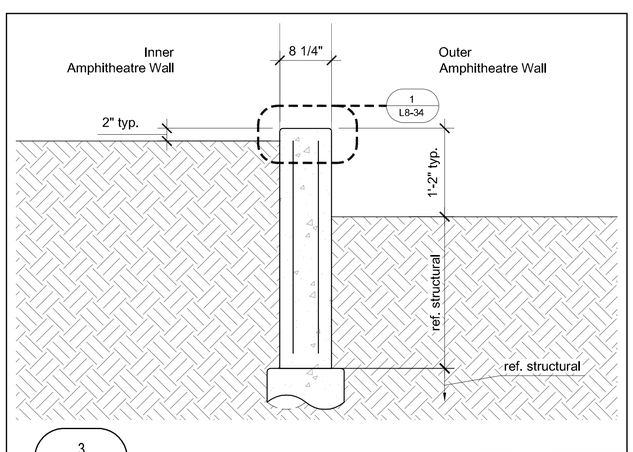
5
L8-33
Upper Amphitheater Wall, Typical

0" 2" 4" 8"
Scale in INCHES



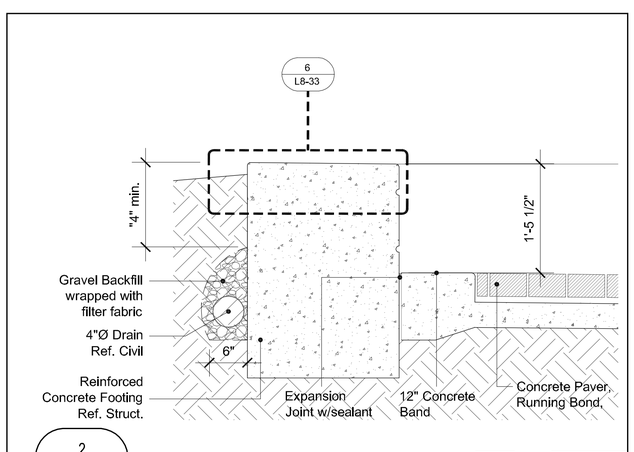
4
L8-33
Amphitheatre Wall Elevation, Typical

0" 4" 8" 16"
Scale in INCHES



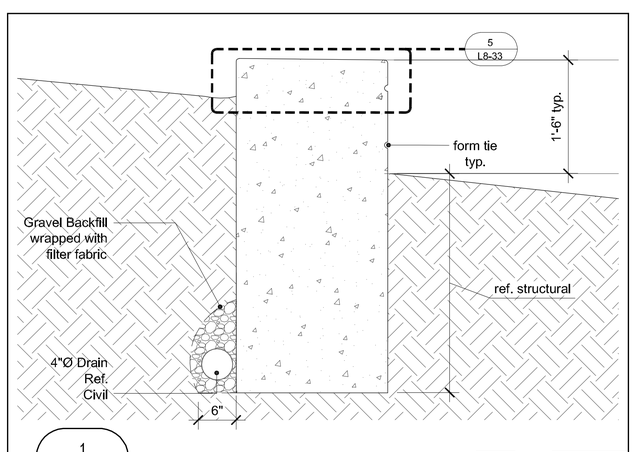
3
L8-33
Amphitheatre Cheek Wall Section, Typical

0' 1/2' 1' 2'



2
L8-33
Lower Amphitheatre Wall Section, Typical

0' 1/2' 1' 2'



1
L8-33
Upper Amphitheater Wall Section, Typical

0' 1/2' 1' 2'

GENERAL NOTE

Refer to sheet L1-01 Design Selection Summary for specific product, finishes, and colors.

Refer to sheets L1-12 & L1-13 for furniture and park element details.

LEGEND

1. Project Limit
2. Not in Contract (N.I.C.): Information provided for design intent only.
3. Planting Area: Ref. L10-00's & L11-00's
4. Expansion Joint: Ref. Civil for detail
5. Tooled Control Joint: Ref. Civil for detail
6. Concrete Paving A
7. Concrete Paving B
8. Concrete Paving C
9. Concrete Paving D
10. Concrete Wall: ref. Structural
11A. Pavestone Concrete Paver A
11B. Pavestone Concrete Paver B
11C. Pavestone Concrete Paver C
11D. Pavestone Concrete Paver D
11E. Pavestone Concrete Paver E
12. Structural Concrete Masonry Unit Wall
13. Structural Fill: Reference Structural
14. Transformer/Switchgear: Ref. Civil
15. Drain Grate
16. Atrium Grate
17. Paver Grate
18. Metal Pergola
19. Metal Trellis
20. Trellis Above
21. Light Fixture Above
22. Metal Guard Rail
23. Metal Handrail
24. Metal Guard Rail and Handrail
25. Granite Bollard
26. Composite Decking
27. Concrete Pier: Locate in field to avoid conflict with existing tree roots - Ref. Structural
28. Structural Steel Beam: Ref. Structural
29. Structural Framing: Ref. Structural
30. Structural Steel Channel: Ref. Structural
31. Concrete walkway: Ref. Civil & Structural
32. Bridge: N.I.C. (Not In Contract)
33. Building Beyond: N.I.C. (Not In Contract)
34. Guardrail Beyond
35. Concrete Form Ties
36. Vertical Control Joints: Ref. Structural
37. Concrete Bench
38. Lake Edge Wall: Ref. Structural
39. Concrete Wall Beyond
40. Electrical: Ref. Civil
41. Concrete Curb - Reference structural
42. Access Panel - Reference structural
43. Vertical Control Joints: Ref. Structural
44. Concrete Weir: Reference Structural
45. Water
46. Hollow Metal Door and Frame
47. Existing Wooden Fence
48. Metal Gate
49. Limestone Boulder
50. Stone Veneer
60. Fully Grouted Beach Pebbles
61. Not Used
62. Not Used
63. Fountain Pool: Ref. Fountain Consultant
64. Fountain Water Supply Line: Reference Fountain Consultant
65. Fountain Drain Line: Reference Fountain Consultant
66. Not used
67. Not used
68. Pedestal Drinking Fountain
69. Litter Receptacle
70. Bench
71. Pet Waste Disposal System
72. Bike Rack
73. Gravel
74. Limestone Slab

LIGHTING

- SA (1,2,3,4,5,6,7,8,9) Pole Mount - ref. Civil
- SB Pole Mount - ref. Civil
- SC Wall Recessed - ref. Civil
- SE Suspended Strand - ref. Civil
- SE-1 Suspended Strand - ref. Civil
- SE-T Direct Imbedded Trans - ref. Civil
- SK1 Surface Mount - ref. Civil
- SK2 Surface Mount - ref. Civil
- L4 Pole Mount - ref. Civil
- L5 Ceiling Mount - ref. Civil

REGISTERED LANDSCAPE ARCHITECT
KEVIN W. SLOAN
2296
STATE OF TEXAS

NO.	REVISION	BY	DATE

Addison

TOWN OF ADDISON
DALLAS COUNTY, TEXAS

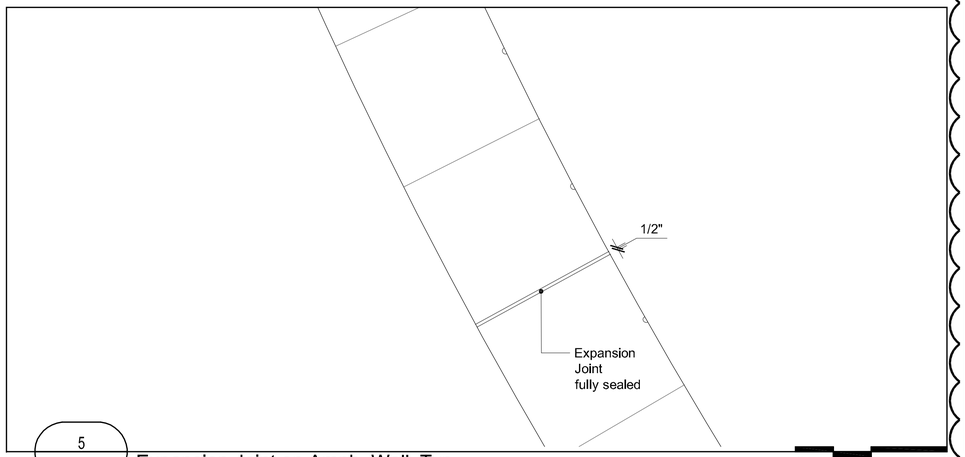
PARK AND STREETSCAPE IMPROVEMENTS
VITRUVIAN PARK

AMPHITHEATER - SECTIONS & DETAILS

KEVIN SLOAN STUDIO
4145 Travis, Suite 105
Dallas, Texas 75204 (214) 379-1061

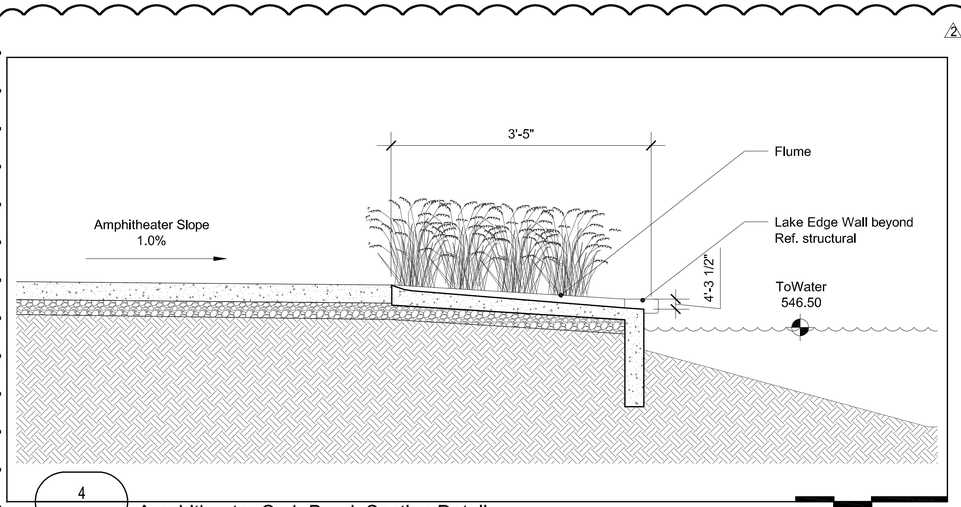
PROJECT	DESIGN	DRAWN	DATE	FILE	SHEET
5029-01	KWS		APR 26, 2010	PW # 2009-04	L8-33

PARK AND STREETSCAPE IMPROVEMENTS - VITRUVIAN PARK



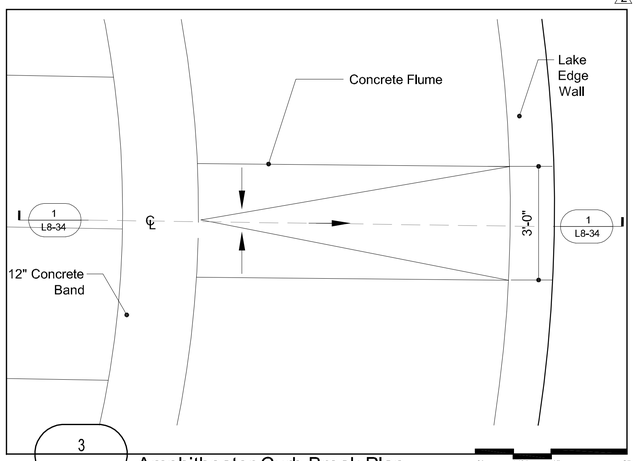
5 L8-34 Expansion Joint on Amph. Wall, Typ.

0' 1/2" 1" 2"
Scale in INCHES



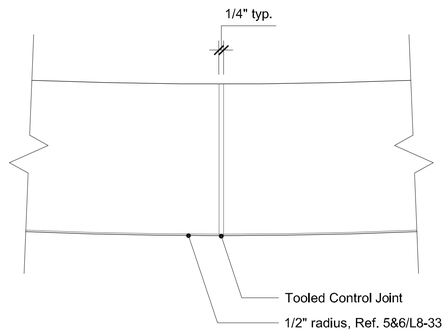
4 L8-34 Amphitheater Curb Break Section Detail

0' 1/2" 1" 2"
Scale in INCHES



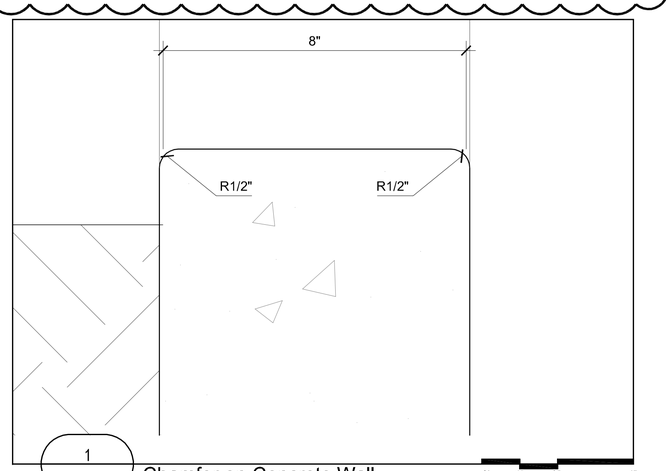
3 L8-34 Amphitheater Curb Break Plan

0' 1/2" 1" 2"
Scale in INCHES



2 L8-34 Control Joint on Amph. Wall, Typical

0' 1/2" 1" 2"
Scale in INCHES



1 L8-34 Chamfer on Concrete Wall

0' 1" 2" 4"
Scale in INCHES

GENERAL NOTE

Refer to sheet L1-01 Design Selection Summary for specific product, finishes, and colors.

Refer to sheets L1-12 & L1-13 for furniture and park element details.

LEGEND

1. Project Limit
2. Not in Contract (N.I.C.): Information provided for design intent only.
3. Planting Area: Ref. L10-00's & L11-00's
4. Expansion Joint: Ref. Civil for detail
5. Tooled Control Joint: Ref. Civil for detail
6. Concrete Paving A
7. Concrete Paving B
8. Concrete Paving C
9. Concrete Paving D
10. Concrete Wall: ref. Structural
11A. Pavestone Concrete Paver A
11B. Pavestone Concrete Paver B
11C. Pavestone Concrete Paver C
11D. Pavestone Concrete Paver D
11E. Pavestone Concrete Paver E
12. Structural Concrete Masonry Unit Wall
13. Structural Fill: Reference Structural
14. Transformer/Switchgear: Ref. Civil
15. Drain Grate
16. Atrium Grate
17. Paver Grate
18. Metal Pergola
19. Metal Trellis
20. Trellis Above
21. Light Fixture Above
22. Metal Guard Rail
23. Metal Handrail
24. Metal Guard Rail and Handrail
25. Granite Bollard
26. Composite Decking
27. Concrete Pier: Locate in field to avoid conflict with existing tree roots - Ref. Structural
28. Structural Steel Beam: Ref. Structural
29. Structural Framing: Ref. Structural
30. Structural Steel Channel: Ref. Structural
31. Concrete walkway: Ref. Civil & Structural
32. Bridge: N.I.C. (Not In Contract)
33. Building Beyond: N.I.C. (Not In Contract)
34. Guardrail Beyond
35. Concrete Form Ties
36. Vertical Control Joints: Ref. Structural
37. Concrete Bench
38. Lake Edge Wall: Ref. Structural
39. Concrete Wall Beyond
40. Electrical: Ref. Civil
41. Concrete Curb - Reference structural
42. Access Panel - Reference structural
43. Vertical Control Joints: Ref. Structural
44. Concrete Weir: Reference Structural
45. Water
46. Hollow Metal Door and Frame
47. Existing Wooden Fence
48. Metal Gate
49. Limestone Boulder
50. Stone Veneer
60. Fully Grouted Beach Pebbles
61. Not Used
62. Not Used
63. Fountain Pool: Ref. Fountain Consultant
64. Fountain Water Supply Line: Reference Fountain Consultant
65. Fountain Drain Line: Reference Fountain Consultant
66. Not used
67. Not used
68. Pedestal Drinking Fountain
69. Litter Receptacle
70. Bench
71. Pet Waste Disposal System
72. Bike Rack
73. Gravel
74. Limestone Slab

LIGHTING

- SA (1,2,3,4,5,6,7,8,9) Pole Mount - ref. Civil
- SB Pole Mount - ref. Civil
- SC Wall Recessed - ref. Civil
- SE Suspended Strand - ref. Civil
- SE-1 Suspended Strand - ref. Civil
- SE-T Direct Imbedded Trans - ref. Civil
- SK1 Surface Mount - ref. Civil
- SK2 Surface Mount - ref. Civil
- L4 Pole Mount - ref. Civil
- L5 Ceiling Mount - ref. Civil

REGISTERED LANDSCAPE ARCHITECT
KEVIN W. SLOAN
2296
STATE OF TEXAS

NO.	REVISION	BY	DATE
1.	RFI 46 - AMPHITHEATER PAVING	KSS	11/18/10
2.	FLUME DETAIL - REVISION	KSS	12/03/10

Addison
TOWN OF ADDISON
DALLAS COUNTY, TEXAS

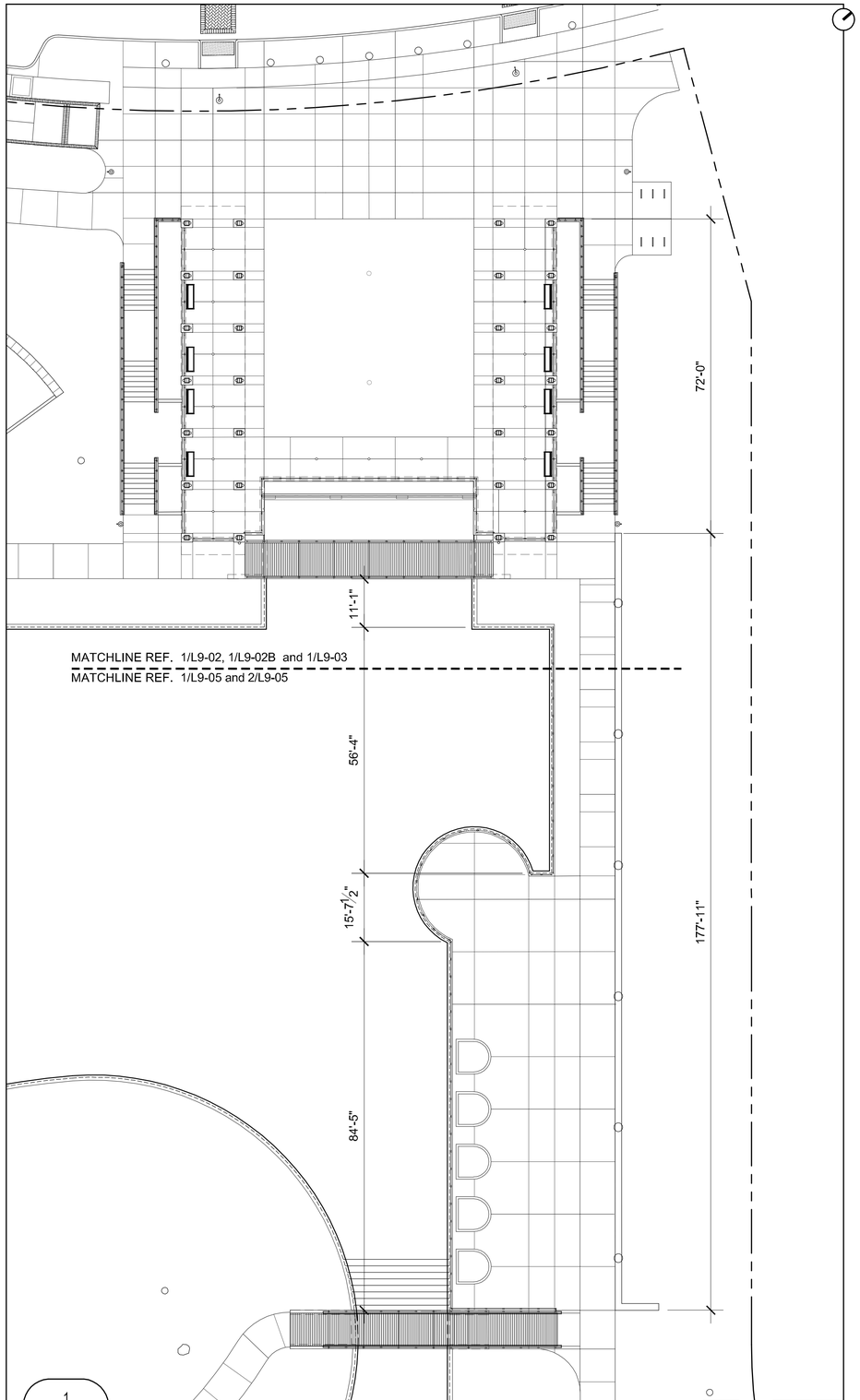
PARK AND STREETSCAPE IMPROVEMENTS
VITRUVIAN PARK

AMPHITHEATER - DETAILS

KEVIN SLOAN STUDIO
2400 Empire Central, Suite F
Dallas, Texas 75235 (214) 459-1784

PROJECT	DESIGN	DRAWN	DATE	FILE	SHEET
5029-01	KWS		APR 26, 2010	PW # 2009-04	L8-34

PARK AND STREETSCAPE IMPROVEMENTS - VITRUVIAN PARK



1
L9-01
Grotto and Esplanade Plan

GENERAL NOTE

Refer to sheet L1-01 Design Selection Summary for specific product, finishes, and colors.

Refer to sheets L1-12 & L1-13 for furniture and park element details.

LEGEND

1. Project Limit
2. Not in Contract (N.I.C.): Information provided for design intent only.
3. Planting Area: Ref. L10-00's & L11-00's
4. Expansion Joint: Ref. Civil for detail
5. Tooled Control Joint: Ref. Civil for detail
6. Concrete Paving A
7. Concrete Paving B
8. Concrete Paving C
9. Concrete Paving D
10. Concrete Wall: ref. Structural
11A. Pavestone Concrete Paver A
11B. Pavestone Concrete Paver B
11C. Pavestone Concrete Paver C
11D. Pavestone Concrete Paver D
11E. Pavestone Concrete Paver E
12. Structural Concrete Masonry Unit Wall
13. Structural Fill: Reference Structural
14. Transformer/Switchgear: Ref. Civil
15. Drain Grate
16. Atrium Grate
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18. Metal Pergola
19. Metal Trellis
20. Trellis Above
21. Light Fixture Above
22. Metal Guard Rail
23. Metal Handrail
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33. Building Beyond: N.I.C. (Not In Contract)
34. Guardrail Beyond
35. Concrete Form Ties
36. Vertical Control Joints: Ref. Structural
37. Concrete Bench
38. Lake Edge Wall: Ref. Structural
39. Concrete Wall Beyond
40. Electrical: Ref. Civil
41. Concrete Curb - Reference structural
42. Access Panel - Reference structural
43. Vertical Control Joints: Ref. Structural
44. Concrete Weir: Reference Structural
45. Water
46. Hollow Metal Door and Frame
47. Existing Wooden Fence
48. Metal Gate
49. Limestone Boulder
50. Stone Veneer
60. Fully Grouted Beach Pebbles
61. Not Used
62. Not Used
63. Fountain Pool: Ref. Fountain Consultant
64. Fountain Water Supply Line: Reference Fountain Consultant
65. Fountain Drain Line: Reference Fountain Consultant
66. Not used
67. Not used
68. Pedestal Drinking Fountain
69. Litter Receptacle
70. Bench
71. Pet Waste Disposal System
72. Bike Rack
73. Gravel
74. Limestone Slab

LIGHTING

- SA (1,2,3,4,5,6,7,8,9) Pole Mount - ref. Civil
- SB Pole Mount - ref. Civil
- SC Wall Recessed - ref. Civil
- SE Suspended Strand - ref. Civil
- SE-1 Suspended Strand - ref. Civil
- SE-1 Direct Imbedded Trans - ref. Civil
- SK1 Surface Mount - ref. Civil
- SK2 Surface Mount - ref. Civil
- L4 Pole Mount - ref. Civil
- L5 Ceiling Mount - ref. Civil

REGISTERED LANDSCAPE ARCHITECT
KEVIN W. SLOAN
2296
STATE OF TEXAS

NO.	REVISION	BY	DATE

TOWN OF ADDISON
DALLAS COUNTY, TEXAS

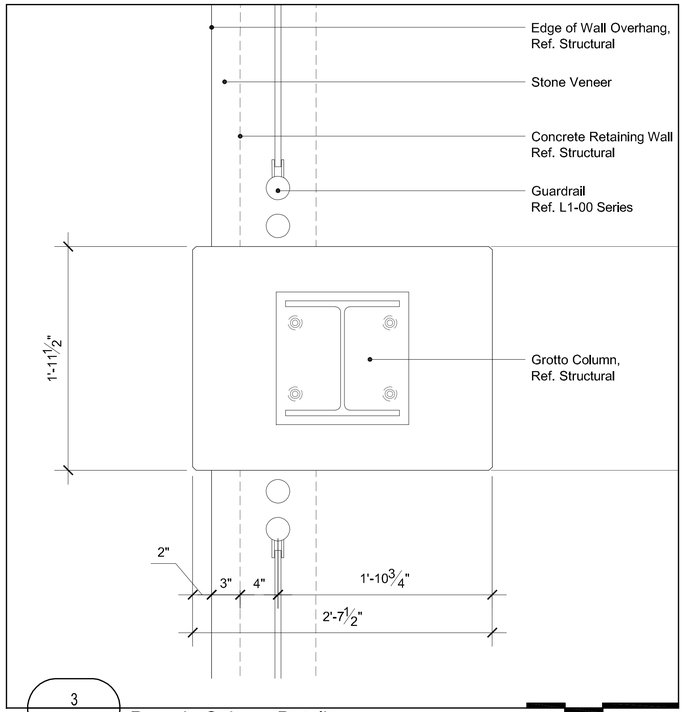
PARK AND STREETSCAPE IMPROVEMENTS
VITRUVIAN PARK

GROTTO AND ESPLANADE PLAN MATERIALS, ELEMENTS AND LAYOUT

KEVIN SLOAN STUDIO
4145 Travis, Suite 105
Dallas, Texas 75204 (214) 379-1061

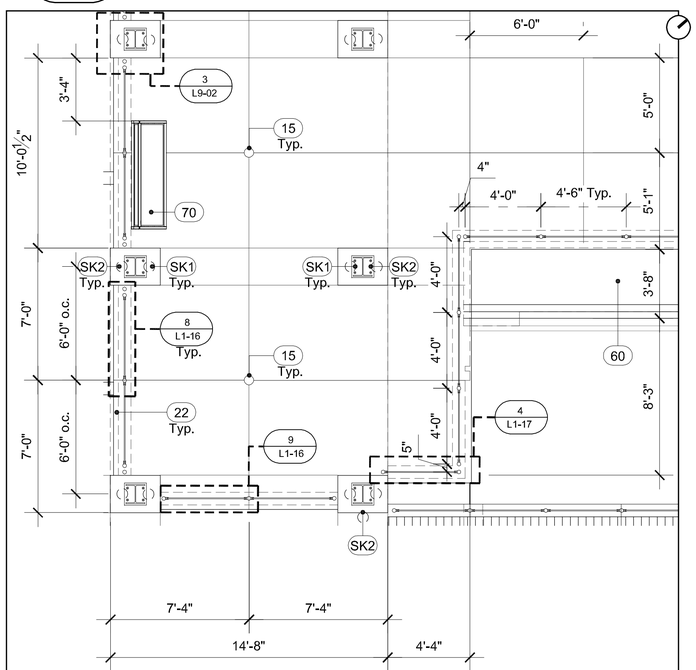
PROJECT	DESIGN	DRAWN	DATE	FILE	SHEET
5029-01	KWS		APR 26, 2010	PW # 2009-04	L9-01

PARK AND STREETSCAPE IMPROVEMENTS - VITRUVIAN PARK



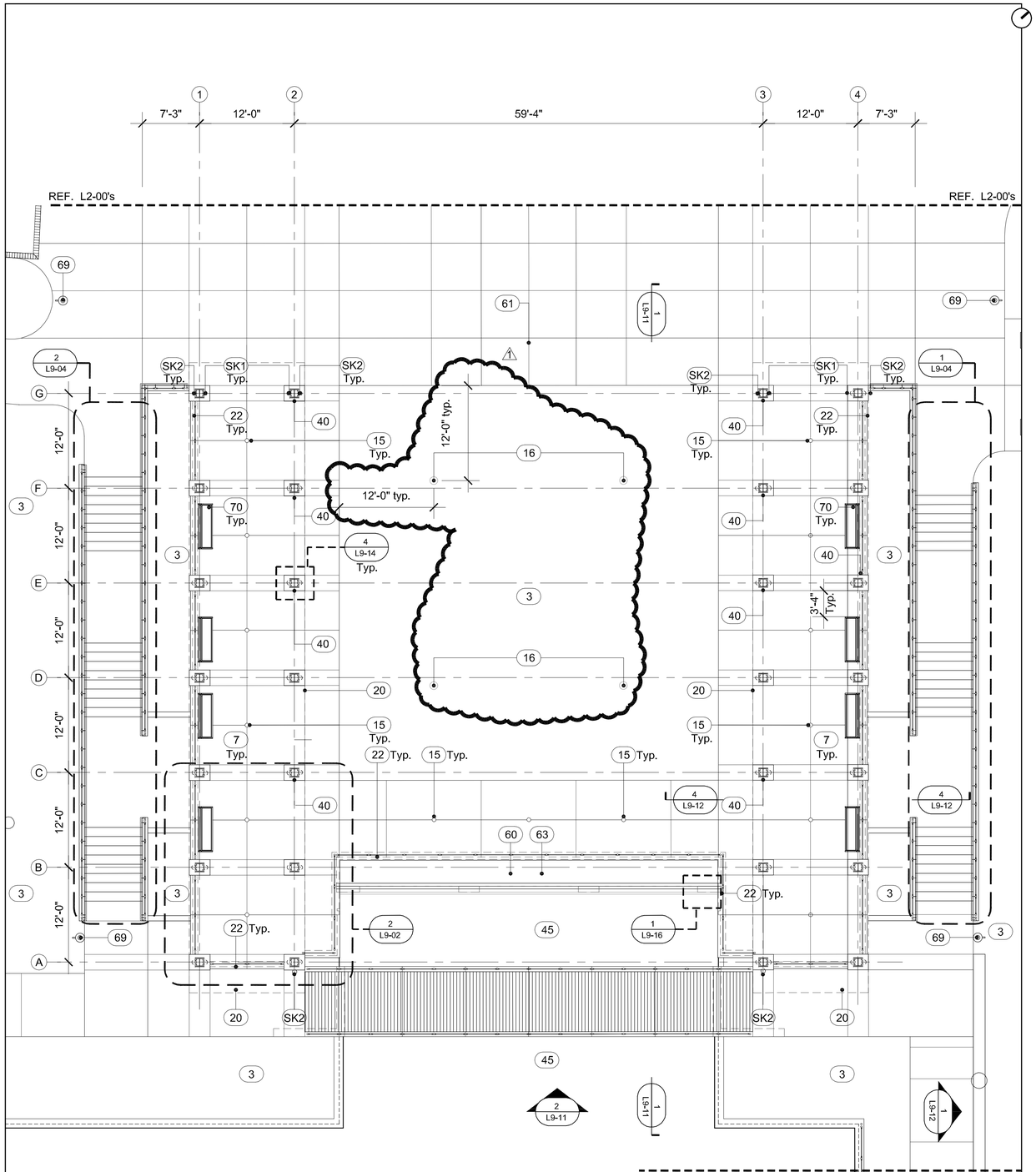
3 / L9-02 Pergola Column Detail

0" 4" 8" 16" scale in inches



2 / L9-02 Street Level Plan Enlargement

0' 2' 4' 8'



1 / L9-02 Grotto Plan - Street Level

0' 4' 8' 16'

GENERAL NOTE

Refer to sheet L1-01 Design Selection Summary for specific product, finishes, and colors.

Refer to sheets L1-12 & L1-13 for furniture and park element details.

LEGEND

1. Project Limit
2. Not in Contract (N.I.C.): Information provided for design intent only.
3. Planting Area: Ref. L10-00's & L11-00's
4. Expansion Joint: Ref. Civil for detail
5. Tooled Control Joint: Ref. Civil for detail
6. Concrete Paving A
7. Concrete Paving B
8. Concrete Paving C
9. Concrete Paving D
10. Concrete Wall: ref. Structural
11A. Pavestone Concrete Paver A
11B. Pavestone Concrete Paver B
11C. Pavestone Concrete Paver C
11D. Pavestone Concrete Paver D
11E. Pavestone Concrete Paver E
12. Structural Concrete Masonry Unit Wall
13. Structural Fill: Reference Structural
14. Transformer/Switchgear: Ref. Civil
15. Drain Grate
16. Atrium Grate
17. Paver Grate
18. Metal Pergola
19. Metal Trellis
20. Trellis Above
21. Light Fixture Above
22. Metal Guard Rail
23. Metal Handrail
24. Metal Guard Rail and Handrail
25. Granite Bollard
26. Composite Decking
27. Concrete Pier: Locate in field to avoid conflict with existing tree roots - Ref. Structural
28. Structural Steel Beam: Ref. Structural
29. Structural Framing: Ref. Structural
30. Structural Steel Channel: Ref. Structural
31. Concrete walkway: Ref. Civil & Structural
32. Bridge: N.I.C. (Not In Contract)
33. Building Beyond: N.I.C. (Not In Contract)
34. Guardrail Beyond
35. Concrete Form Ties
36. Vertical Control Joints: Ref. Structural
37. Concrete Bench
38. Lake Edge Wall: Ref. Structural
39. Concrete Wall Beyond
40. Electrical: Ref. Civil
41. Concrete Curb - Reference structural
42. Access Panel - Reference structural
43. Vertical Control Joints: Ref. Structural
44. Concrete Weir: Reference Structural
45. Water
46. Hollow Metal Door and Frame
47. Existing Wooden Fence
48. Metal Gate
49. Limestone Boulder
50. Stone Veneer
60. Fully Grouted Beach Pebbles
61. Not Used
62. Not Used
63. Fountain Pool: Ref. Fountain Consultant
64. Fountain Water Supply Line: Reference Fountain Consultant
65. Fountain Drain Line: Reference Fountain Consultant
66. Not used
67. Not used
68. Pedestal Drinking Fountain
69. Litter Receptacle
70. Bench
71. Pet Waste Disposal System
72. Bike Rack
73. Gravel
74. Limestone Slab

LIGHTING

- SA (1,2,3,4,5,6,7,8,9) Pole Mount - ref. Civil
- SB Pole Mount - ref. Civil
- SC Wall Recessed - ref. Civil
- SE Suspended Strand - ref. Civil
- SE-1 Suspended Strand - ref. Civil
- SE-T Direct Imbedded Trans - ref. Civil
- SK1 Surface Mount - ref. Civil
- SK2 Surface Mount - ref. Civil
- L4 Pole Mount - ref. Civil
- L5 Ceiling Mount - ref. Civil

REGISTERED LANDSCAPE ARCHITECT KEVIN W. SLOAN 2296 STATE OF TEXAS

NO.	REVISION	BY	DATE
1	RFI 32 REVISED GRADING / DRAINAGE AT GROTTO PLAZA	KSS	8/06/10

Addison TOWN OF ADDISON
DALLAS COUNTY, TEXAS

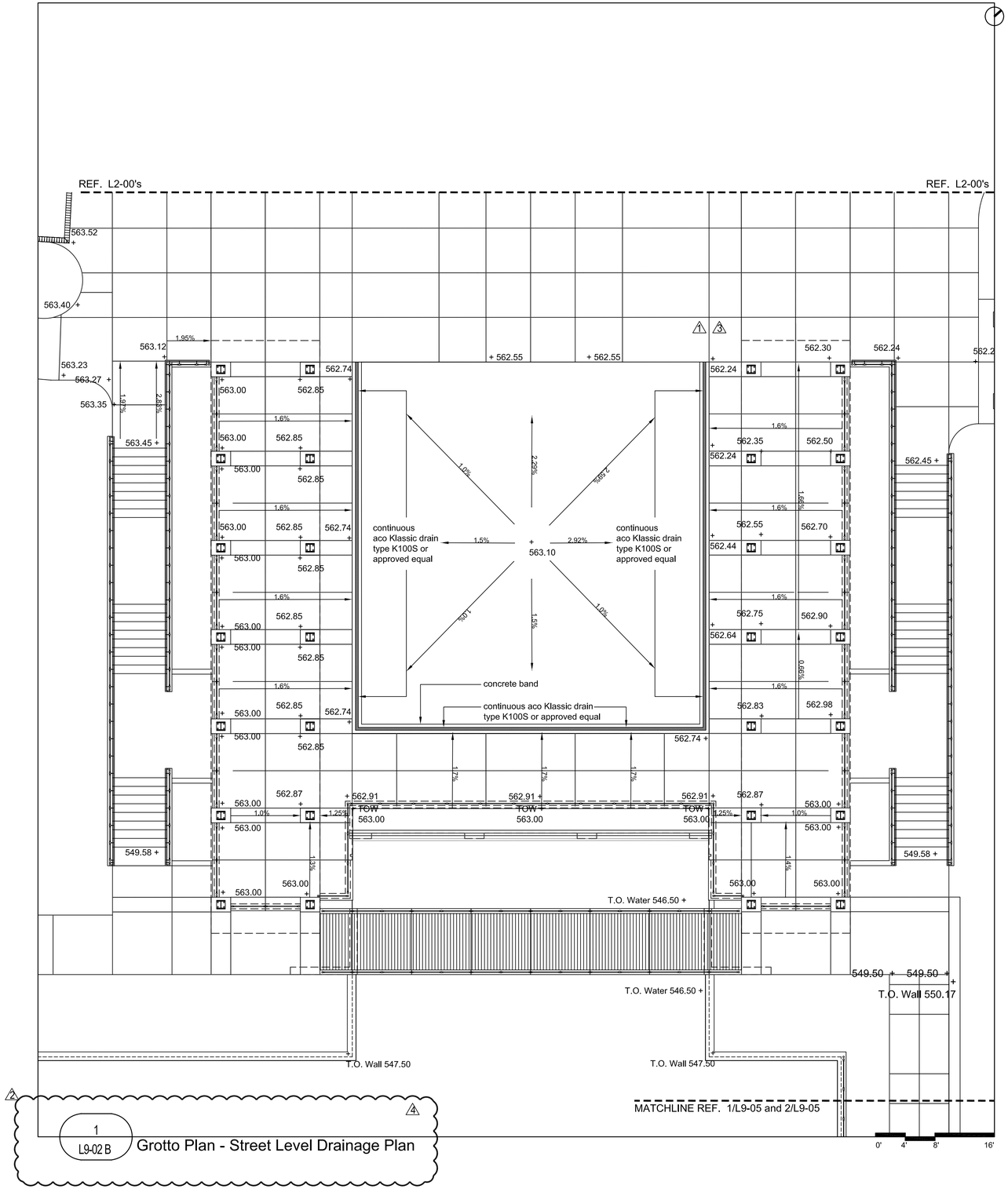
PARK AND STREETSCAPE IMPROVEMENTS
VITRUVIAN PARK

GROTTO PLAN - STREET LEVEL MATERIALS, ELEMENTS AND LAYOUT

KEVIN SLOAN STUDIO
2400 Empire Central, Suite F
Dallas, Texas 75235 (214) 459-1784

PROJECT	DESIGN	DRAWN	DATE	FILE	SHEET
5029-01	KWS		APR 26, 2010	PW # 2009-04	L9-02

PARK AND STREETSCAPE IMPROVEMENTS - VITRUVIAN PARK



GENERAL NOTE

Refer to sheet L1-01 Design Selection Summary for specific product, finishes, and colors.

Refer to sheets L1-12 & L1-13 for furniture and park element details.

LEGEND

1. Project Limit
2. Not in Contract (N.I.C.): Information provided for design intent only.
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10. Concrete Wall: ref. Structural
11A. Pavestone Concrete Paver A
11B. Pavestone Concrete Paver B
11C. Pavestone Concrete Paver C
11D. Pavestone Concrete Paver D
11E. Pavestone Concrete Paver E
12. Structural Concrete Masonry Unit Wall
13. Structural Fill: Reference Structural
14. Transformer/Switchgear: Ref. Civil
15. Drain Grate
16. Atrium Grate
17. Paver Grate
18. Metal Pergola
19. Metal Trellis
20. Trellis Above
21. Light Fixture Above
22. Metal Guard Rail
23. Metal Handrail
24. Metal Guard Rail and Handrail
25. Granite Bollard
26. Composite Decking
27. Concrete Pier: Locate in field to avoid conflict with existing tree roots - Ref. Structural
28. Structural Steel Beam: Ref. Structural
29. Structural Framing: Ref. Structural
30. Structural Steel Channel: Ref. Structural
31. Concrete walkway: Ref. Civil & Structural
32. Bridge: N.I.C. (Not In Contract)
33. Building Beyond: N.I.C. (Not In Contract)
34. Guardrail Beyond
35. Concrete Form Ties
36. Vertical Control Joints: Ref. Structural
37. Concrete Bench
38. Lake Edge Wall: Ref. Structural
39. Concrete Wall Beyond
40. Electrical: Ref. Civil
41. Concrete Curb - Reference structural
42. Access Panel - Reference structural
43. Vertical Control Joints: Ref. Structural
44. Concrete Weir: Reference Structural
45. Water
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48. Metal Gate
49. Limestone Boulder
50. Stone Veneer
60. Fully Grouted Beach Pebbles
61. Not Used
62. Not Used
63. Fountain Pool: Ref. Fountain Consultant
64. Fountain Water Supply Line: Reference Fountain Consultant
65. Fountain Drain Line: Reference Fountain Consultant
66. Not used
67. Not used
68. Pedestal Drinking Fountain
69. Litter Receptacle
70. Bench
71. Pet Waste Disposal System
72. Bike Rack
73. Gravel
74. Limestone Slab

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- SB Pole Mount - ref. Civil
- SC Wall Recessed - ref. Civil
- SE Suspended Strand - ref. Civil
- SE-1 Suspended Strand - ref. Civil
- SE-1 Direct Imbedded Trans - ref. Civil
- SK1 Surface Mount - ref. Civil
- SK2 Surface Mount - ref. Civil
- L4 Pole Mount - ref. Civil
- L5 Ceiling Mount - ref. Civil

REGISTERED LANDSCAPE ARCHITECT KEVIN W. SLOAN 2296 STATE OF TEXAS

NO.	REVISION	BY	DATE
1	RFI 32 REVISED GRADING / DRAINAGE AT GROTTO PLAZA	KSS	8/06/10
2	REVISED GRADING / DRAINAGE AT GROTTO PLAZA	KSS	8/27/10
3	REVISED SLAB DRAIN AT GROTTO PLAZA	KSS	3/16/11
4	REVISED GRADING/DRAINAGE AT GROTTO PLAZA	KSS	3/25/11

TOWN OF ADDISON
DALLAS COUNTY, TEXAS

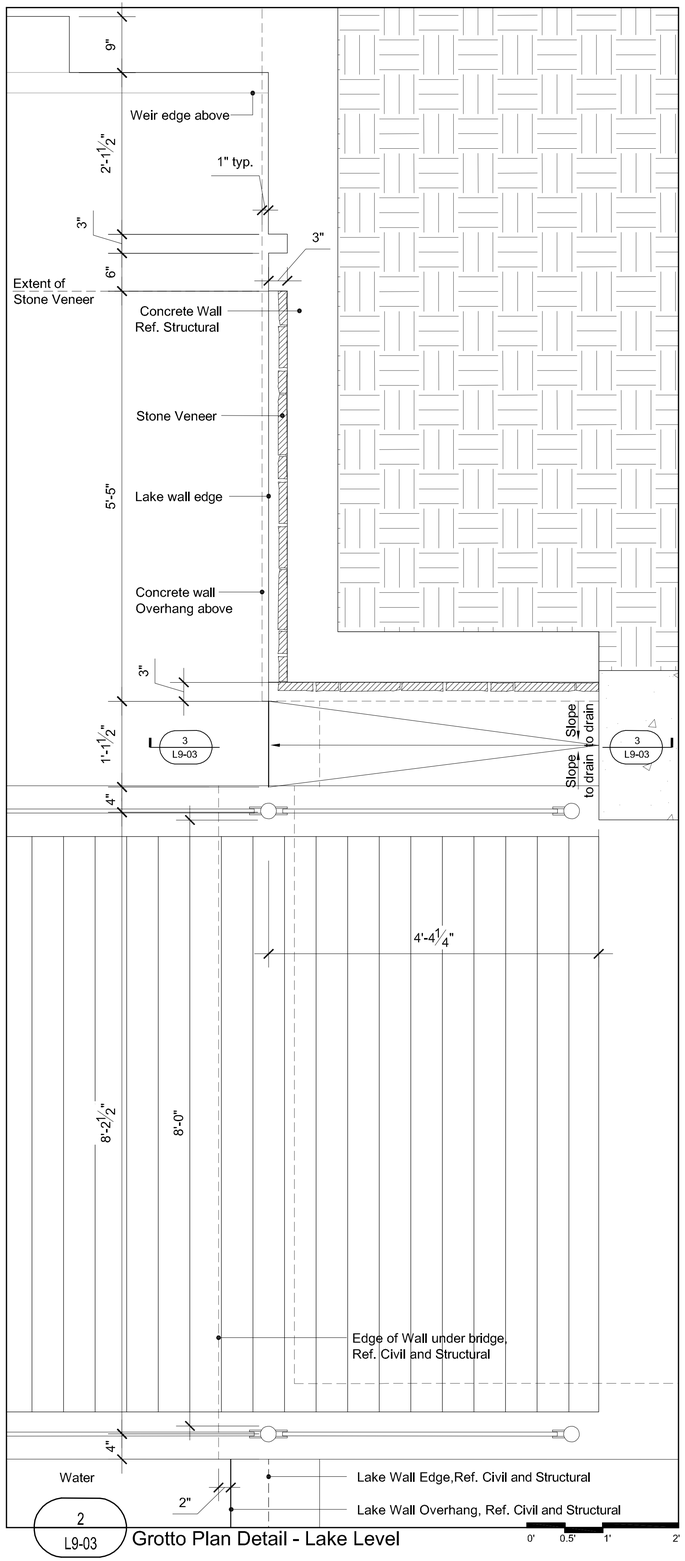
PARK AND STREETSCAPE IMPROVEMENTS
VITRUVIAN PARK

GROTTO PLAN - STREET LEVEL DRAINAGE PLAN

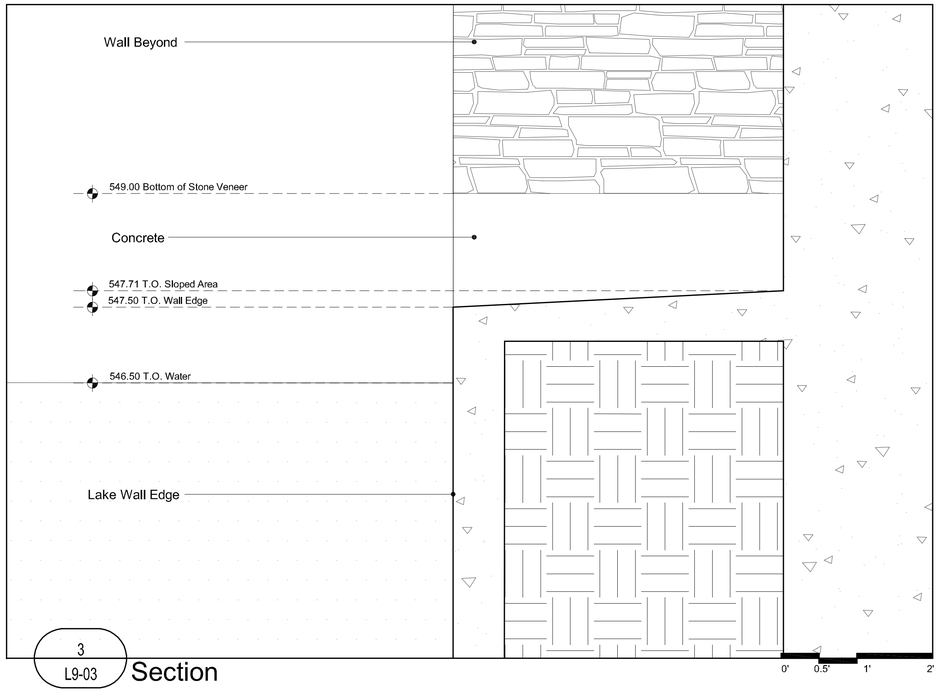
KEVIN SLOAN STUDIO
2400 Empire Central, Suite F
Dallas, Texas 75235 (214) 459-1784

PROJECT	DESIGN	DRAWN	DATE	FILE	SHEET
5029-01	KWS		APR 26, 2010	PW # 2009-04	L9-02 B

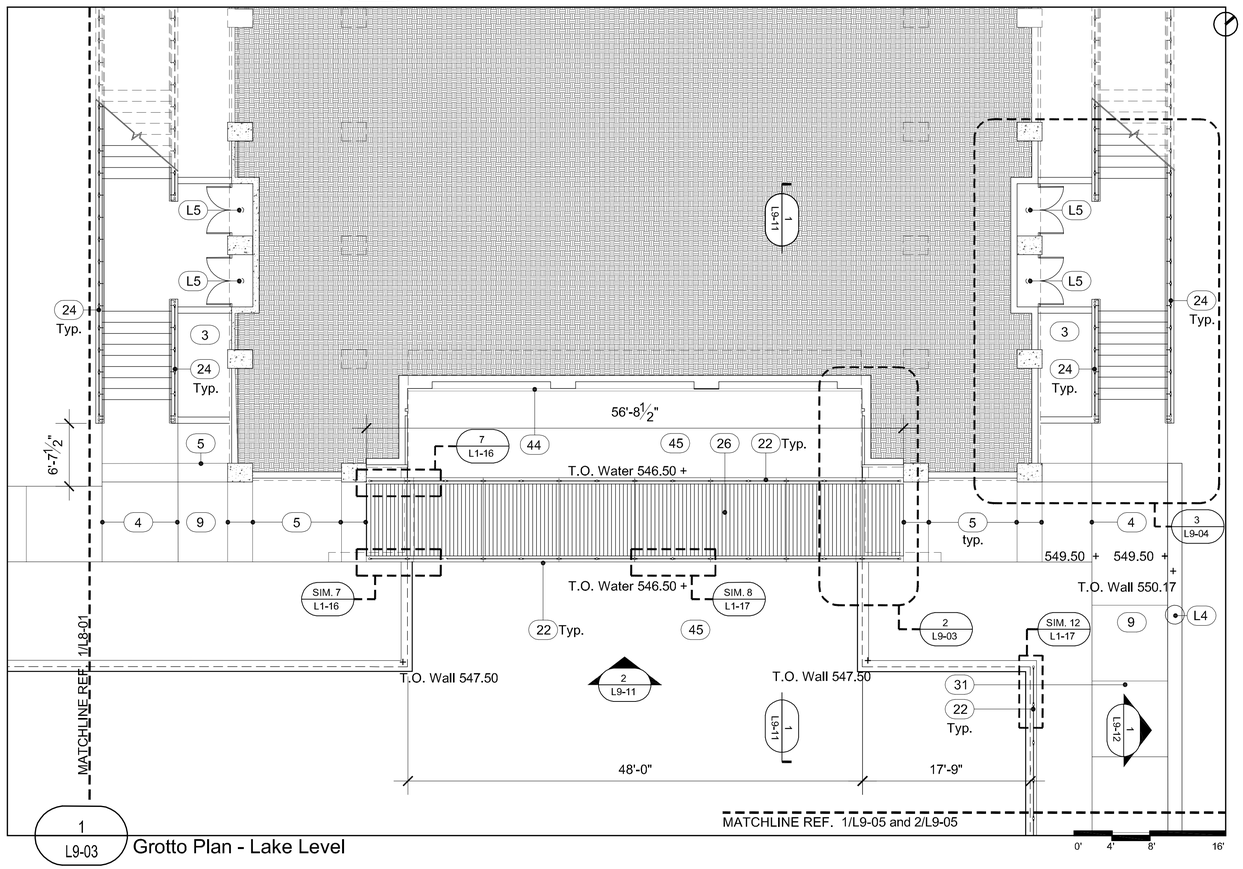
PARK AND STREETSCAPE IMPROVEMENTS - VITRUVIAN PARK



2 L9-03 Grotto Plan Detail - Lake Level



3 L9-03 Section



1 L9-03 Grotto Plan - Lake Level

GENERAL NOTE

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Refer to sheets L1-12 & L1-13 for furniture and park element details.

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7. Concrete Paving B
8. Concrete Paving C
9. Concrete Paving D
10. Concrete Wall: ref. Structural
11A. Pavestone Concrete Paver A
11B. Pavestone Concrete Paver B
11C. Pavestone Concrete Paver C
11D. Pavestone Concrete Paver D
11E. Pavestone Concrete Paver E
12. Structural Concrete Masonry Unit Wall
13. Structural Fill: Reference Structural
14. Transformer/Switchgear: Ref. Civil
15. Drain Grate
16. Atrium Grate
17. Paver Grate
18. Metal Pergola
19. Metal Trellis
20. Trellis Above
21. Light Fixture Above
22. Metal Guard Rail
23. Metal Handrail
24. Metal Guard Rail and Handrail
25. Granite Bollard
26. Composite Decking
27. Concrete Pier: Locate in field to avoid conflict with existing tree roots - Ref. Structural
28. Structural Steel Beam: Ref. Structural
29. Structural Framing: Ref. Structural
30. Structural Steel Channel: Ref. Structural
31. Concrete walkway: Ref. Civil & Structural
32. Bridge: N.I.C. (Not In Contract)
33. Building Beyond: N.I.C. (Not In Contract)
34. Guardrail Beyond
35. Concrete Form Ties
36. Vertical Control Joints: Ref. Structural
37. Concrete Bench
38. Lake Edge Wall: Ref. Structural
39. Concrete Wall Beyond
40. Electrical: Ref. Civil
41. Concrete Curb - Reference structural
42. Access Panel - Reference structural
43. Vertical Control Joints: Ref. Structural
44. Concrete Weir: Reference Structural
45. Water
46. Hollow Metal Door and Frame
47. Existing Wooden Fence
48. Metal Gate
49. Limestone Boulder
50. Stone Veneer
60. Fully Grouted Beach Pebbles
61. Not Used
62. Not Used
63. Fountain Pool: Ref. Fountain Consultant
64. Fountain Water Supply Line: Reference Fountain Consultant
65. Fountain Drain Line: Reference Fountain Consultant
66. Not used
67. Not used
68. Pedestal Drinking Fountain
69. Litter Receptacle
70. Bench
71. Pet Waste Disposal System
72. Bike Rack
73. Gravel
74. Limestone Slab

LIGHTING

- SA (1,2,3,4,5,6,7,8,9) Pole Mount - ref. Civil
- SB Pole Mount - ref. Civil
- SC Wall Recessed - ref. Civil
- SE Suspended Strand - ref. Civil
- SE-1 Suspended Strand - ref. Civil
- SE-1 Direct Imbedded Trans - ref. Civil
- SK1 Surface Mount - ref. Civil
- SK2 Surface Mount - ref. Civil
- L4 Pole Mount - ref. Civil
- L5 Ceiling Mount - ref. Civil

REGISTERED LANDSCAPE ARCHITECT KEVIN W. SLOAN 2296 STATE OF TEXAS

NO.	REVISION	BY	DATE

Addison TOWN OF ADDISON
DALLAS COUNTY, TEXAS

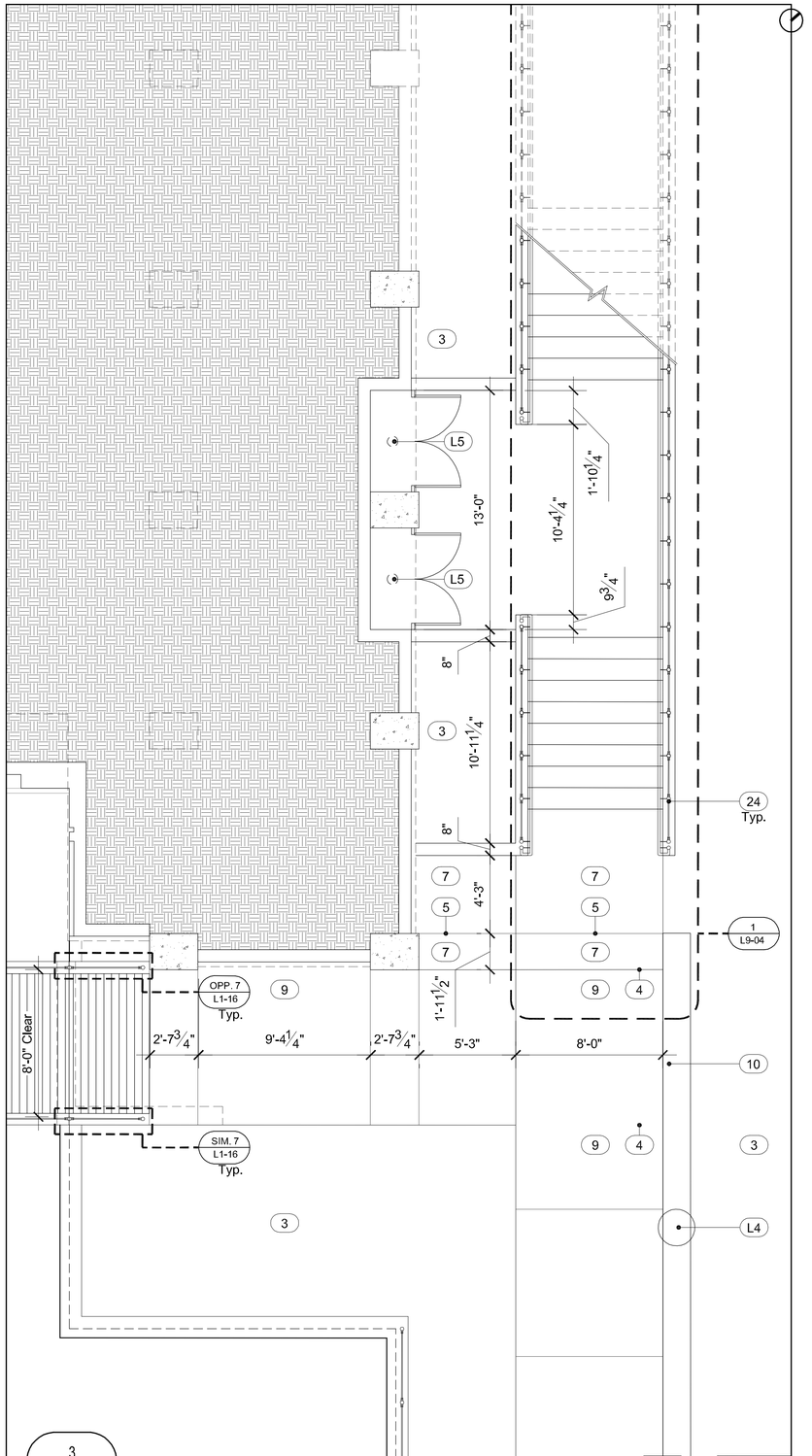
PARK AND STREETSCAPE IMPROVEMENTS
VITRUVIAN PARK

GROTTO PLAN - LAKE LEVEL MATERIALS, ELEMENTS AND LAYOUT

KEVIN SLOAN STUDIO
4145 Travis, Suite 105
Dallas, Texas 75204 (214) 379-1061

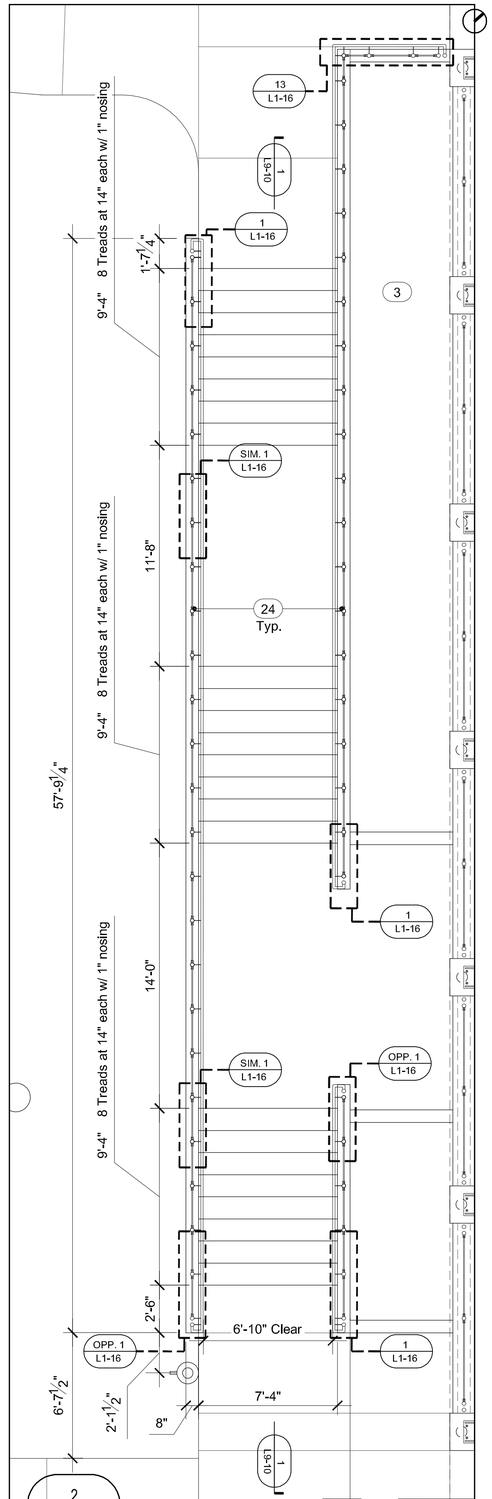
PROJECT	DESIGN	DRAWN	DATE	FILE	SHEET
5029-01	KWS		APR 26, 2010	PW # 2009-04	L9-03

PARK AND STREETSCAPE IMPROVEMENTS - VITRUVIAN PARK



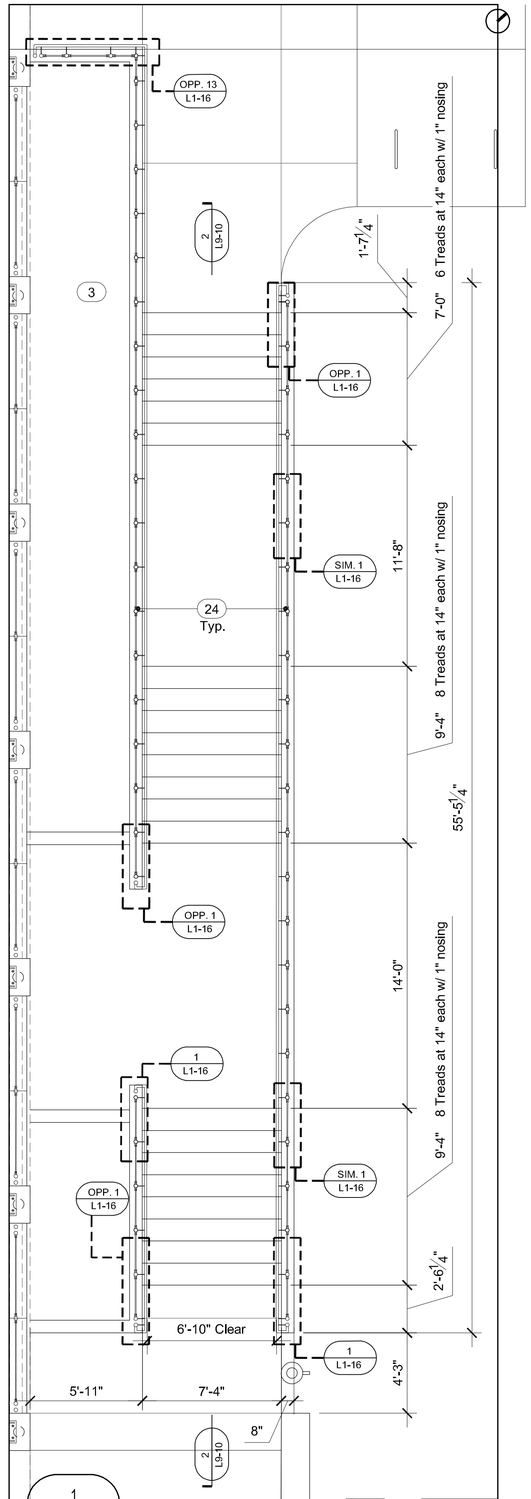
3
L9-04

Lake Level Plan Enlargement



2
L9-04

Grotto South
Stair Plan



1
L9-04

Grotto North
Stair Plan

GENERAL NOTE

Refer to sheet L1-01 Design Selection Summary for specific product, finishes, and colors.

Refer to sheets L1-12 & L1-13 for furniture and park element details.

LEGEND

1. Project Limit
2. Not in Contract (N.I.C.): Information provided for design intent only.
3. Planting Area: Ref. L10-00's & L11-00's
4. Expansion Joint: Ref. Civil for detail
5. Tooled Control Joint: Ref. Civil for detail
6. Concrete Paving A
7. Concrete Paving B
8. Concrete Paving C
9. Concrete Paving D
10. Concrete Wall: ref. Structural
11A. Pavestone Concrete Paver A
11B. Pavestone Concrete Paver B
11C. Pavestone Concrete Paver C
11D. Pavestone Concrete Paver D
11E. Pavestone Concrete Paver E
12. Structural Concrete Masonry Unit Wall
13. Structural Fill: Reference Structural
14. Transformer/Switchgear: Ref. Civil
15. Drain Grate
16. Atrium Grate
17. Paver Grate
18. Metal Pergola
19. Metal Trellis
20. Trellis Above
21. Light Fixture Above
22. Metal Guard Rail
23. Metal Handrail
24. Metal Guard Rail and Handrail
25. Granite Bollard
26. Composite Decking
27. Concrete Pier: Locate in field to avoid conflict with existing tree roots - Ref. Structural
28. Structural Steel Beam: Ref. Structural
29. Structural Framing: Ref. Structural
30. Structural Steel Channel: Ref. Structural
31. Concrete walkway: Ref. Civil & Structural
32. Bridge: N.I.C. (Not In Contract)
33. Building Beyond: N.I.C. (Not In Contract)
34. Guardrail Beyond
35. Concrete Form Ties
36. Vertical Control Joints: Ref. Structural
37. Concrete Bench
38. Lake Edge Wall: Ref. Structural
39. Concrete Wall Beyond
40. Electrical: Ref. Civil
41. Concrete Curb - Reference structural
42. Access Panel - Reference structural
43. Vertical Control Joints: Ref. Structural
44. Concrete Weir: Reference Structural
45. Water
46. Hollow Metal Door and Frame
47. Existing Wooden Fence
48. Metal Gate
49. Limestone Boulder
50. Stone Veneer
60. Fully Grouted Beach Pebbles
61. Not Used
62. Not Used
63. Fountain Pool: Ref. Fountain Consultant
64. Fountain Water Supply Line: Reference Fountain Consultant
65. Fountain Drain Line: Reference Fountain Consultant
66. Not used
67. Not used
68. Pedestal Drinking Fountain
69. Litter Receptacle
70. Bench
71. Pet Waste Disposal System
72. Bike Rack
73. Gravel
74. Limestone Slab

LIGHTING

- SA (1,2,3,4,5,6,7,8,9) Pole Mount - ref. Civil
- SB Pole Mount - ref. Civil
- SC Wall Recessed - ref. Civil
- SE Suspended Strand - ref. Civil
- SE-1 Suspended Strand - ref. Civil
- SE-1 Direct Imbedded Trans - ref. Civil
- SK1 Surface Mount - ref. Civil
- SK2 Surface Mount - ref. Civil
- L4 Pole Mount - ref. Civil
- L5 Ceiling Mount - ref. Civil

REGISTERED LANDSCAPE ARCHITECT
KEVIN W. SLOAN
2296
STATE OF TEXAS

NO.	REVISION	BY	DATE

Addison

TOWN OF ADDISON
DALLAS COUNTY, TEXAS

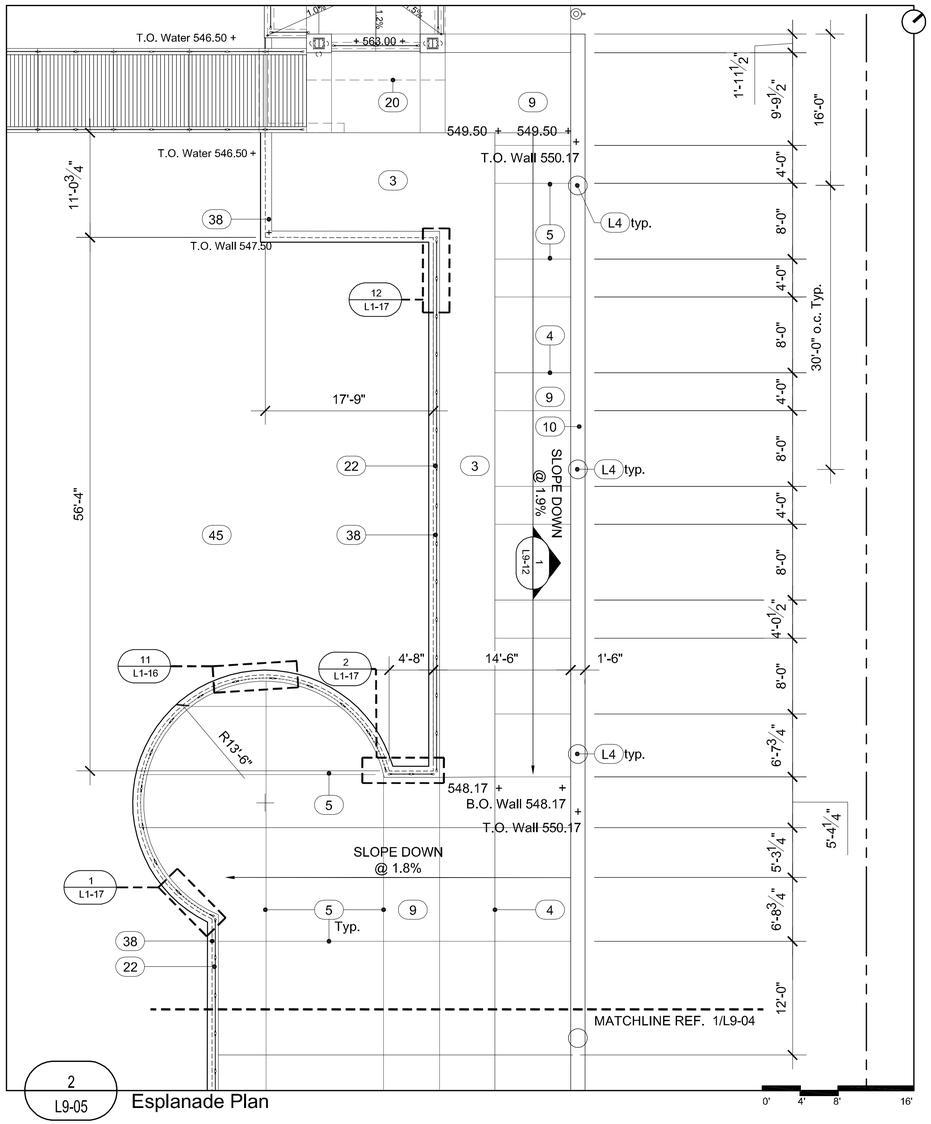
PARK AND STREETSCAPE IMPROVEMENTS
VITRUVIAN PARK

GROTTO STAIRS ENLARGED PLANS

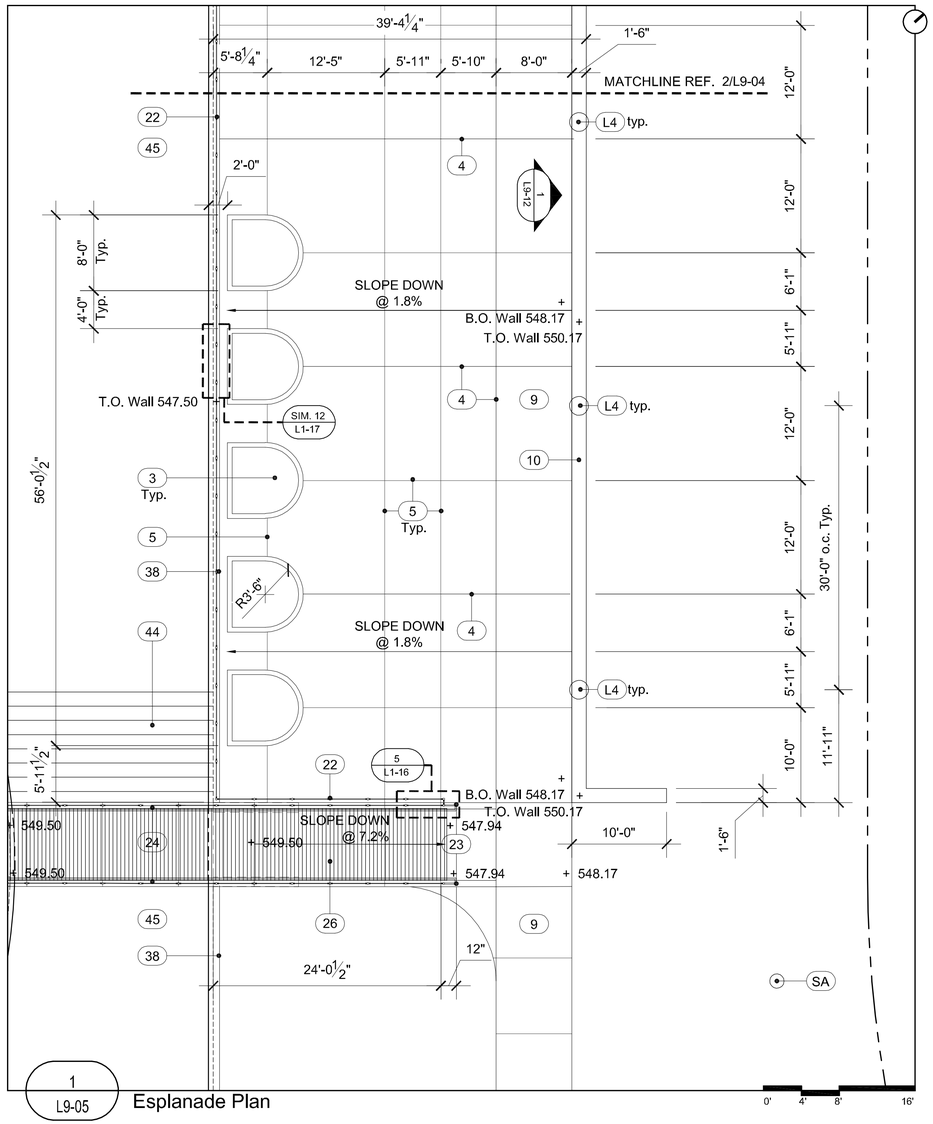
KEVIN SLOAN STUDIO
4145 Travis, Suite 105
Dallas, Texas 75204 (214) 379-1061

PROJECT	DESIGN	DRAWN	DATE	FILE	SHEET
5029-01	KWS		APR 26, 2010	PW # 2009-04	L9-04

PARK AND STREETSCAPE IMPROVEMENTS - VITRUVIAN PARK



2 L9-05 Esplanade Plan



1 L9-05 Esplanade Plan

GENERAL NOTE

Refer to sheet L1-01 Design Selection Summary for specific product, finishes, and colors.

Refer to sheets L1-12 & L1-13 for furniture and park element details.

LEGEND

1. Project Limit
2. Not in Contract (N.I.C.): Information provided for design intent only.
3. Planting Area: Ref. L10-00's & L11-00's
4. Expansion Joint: Ref. Civil for detail
5. Tooled Control Joint: Ref. Civil for detail
6. Concrete Paving A
7. Concrete Paving B
8. Concrete Paving C
9. Concrete Paving D
10. Concrete Wall: ref. Structural
11A. Pavestone Concrete Paver A
11B. Pavestone Concrete Paver B
11C. Pavestone Concrete Paver C
11D. Pavestone Concrete Paver D
11E. Pavestone Concrete Paver E
12. Structural Concrete Masonry Unit Wall
13. Structural Fill: Reference Structural
14. Transformer/Switchgear: Ref. Civil
15. Drain Grate
16. Atrium Grate
17. Paver Grate
18. Metal Pergola
19. Metal Trellis
20. Trellis Above
21. Light Fixture Above
22. Metal Guard Rail
23. Metal Handrail
24. Metal Guard Rail and Handrail
25. Granite Bollard
26. Composite Decking
27. Concrete Pier: Locate in field to avoid conflict with existing tree roots - Ref. Structural
28. Structural Steel Beam: Ref. Structural
29. Structural Framing: Ref. Structural
30. Structural Steel Channel: Ref. Structural
31. Concrete walkway: Ref. Civil & Structural
32. Bridge: N.I.C. (Not In Contract)
33. Building Beyond: N.I.C. (Not In Contract)
34. Guardrail Beyond
35. Concrete Form Ties
36. Vertical Control Joints: Ref. Structural
37. Concrete Bench
38. Lake Edge Wall: Ref. Structural
39. Concrete Wall Beyond
40. Electrical: Ref. Civil
41. Concrete Curb - Reference structural
42. Access Panel - Reference structural
43. Vertical Control Joints: Ref. Structural
44. Concrete Weir: Reference Structural
45. Water
46. Hollow Metal Door and Frame
47. Existing Wooden Fence
48. Metal Gate
49. Limestone Boulder
50. Stone Veneer
60. Fully Grouted Beach Pebbles
61. Not Used
62. Not Used
63. Fountain Pool: Ref. Fountain Consultant
64. Fountain Water Supply Line: Reference Fountain Consultant
65. Fountain Drain Line: Reference Fountain Consultant
66. Not used
67. Not used
68. Pedestal Drinking Fountain
69. Litter Receptacle
70. Bench
71. Pet Waste Disposal System
72. Bike Rack
73. Gravel
74. Limestone Slab

LIGHTING

- SA (1,2,3,4,5,6,7,8,9) Pole Mount - ref. Civil
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- SE-1 Suspended Strand - ref. Civil
- SE-1 Direct Imbedded Trans - ref. Civil
- SK1 Surface Mount - ref. Civil
- SK2 Surface Mount - ref. Civil
- L4 Pole Mount - ref. Civil
- L5 Ceiling Mount - ref. Civil

REGISTERED LANDSCAPE ARCHITECT · KEVIN W. SLOAN · 2296 · STATE OF TEXAS

NO.	REVISION	BY	DATE

TOWN OF ADDISON
DALLAS COUNTY, TEXAS

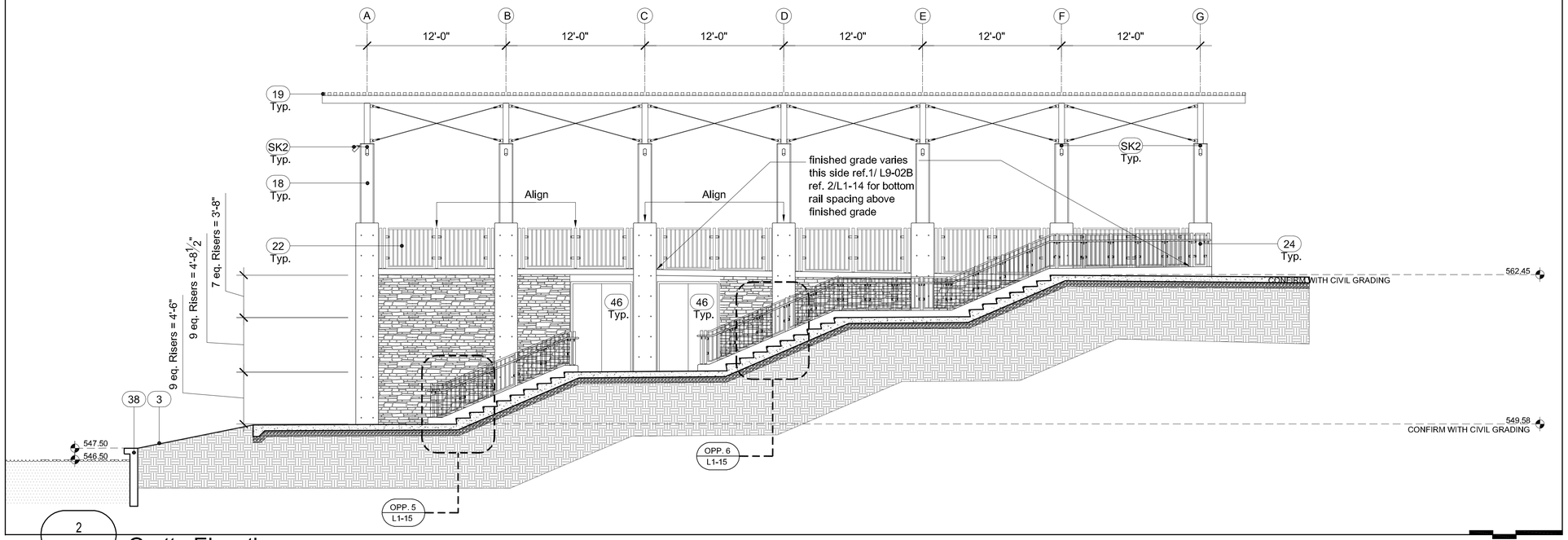
PARK AND STREETSCAPE IMPROVEMENTS
VITRUVIAN PARK

ESPLANADE PLAN MATERIALS, ELEMENTS AND LAYOUT

KEVIN SLOAN STUDIO
4145 Travis, Suite 105
Dallas, Texas 75204 (214) 379-1061

PROJECT	DESIGN	DRAWN	DATE	FILE	SHEET
5029-01	KWS		APR 26, 2010	PW # 2009-04	L9-05

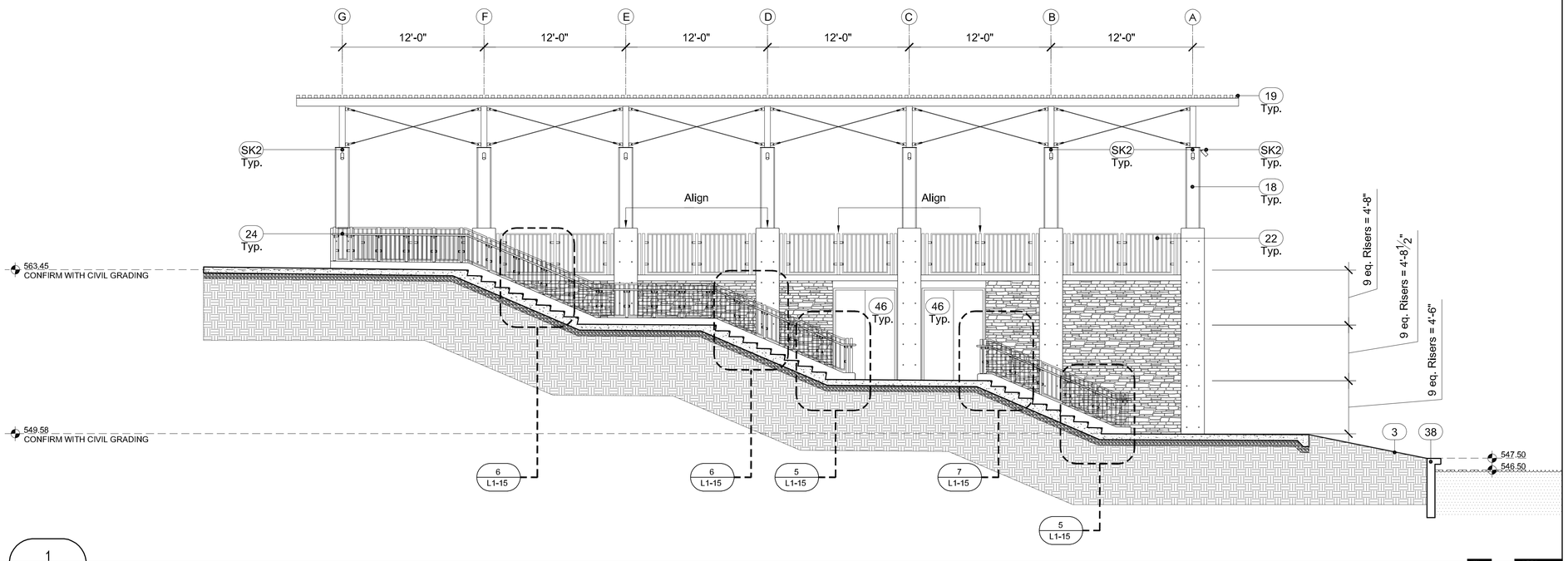
PARK AND STREETSCAPE IMPROVEMENTS - VITRUVIAN PARK



2
L9-10

Grotto Elevation

0' 2' 4' 8'
Scale: 3/16" = 1'-0"



1
L9-10

Grotto Elevation

0' 2' 4' 8'
Scale: 3/16" = 1'-0"

GENERAL NOTE

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67. Not used
68. Pedestal Drinking Fountain
69. Litter Receptacle
70. Bench
71. Pet Waste Disposal System
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74. Limestone Slab

LIGHTING

- SA (1,2,3,4,5,6,7,8,9) Pole Mount - ref. Civil
- SB Pole Mount - ref. Civil
- SC Wall Recessed - ref. Civil
- SE Suspended Strand - ref. Civil
- SE-1 Suspended Strand - ref. Civil
- SE-1 Direct Imbedded Trans - ref. Civil
- SK1 Surface Mount - ref. Civil
- SK2 Surface Mount - ref. Civil
- L4 Pole Mount - ref. Civil
- L5 Ceiling Mount - ref. Civil

REGISTERED LANDSCAPE ARCHITECT KEVIN W. SLOAN 2296 STATE OF TEXAS

NO.	REVISION	BY	DATE

Addison TOWN OF ADDISON
DALLAS COUNTY, TEXAS

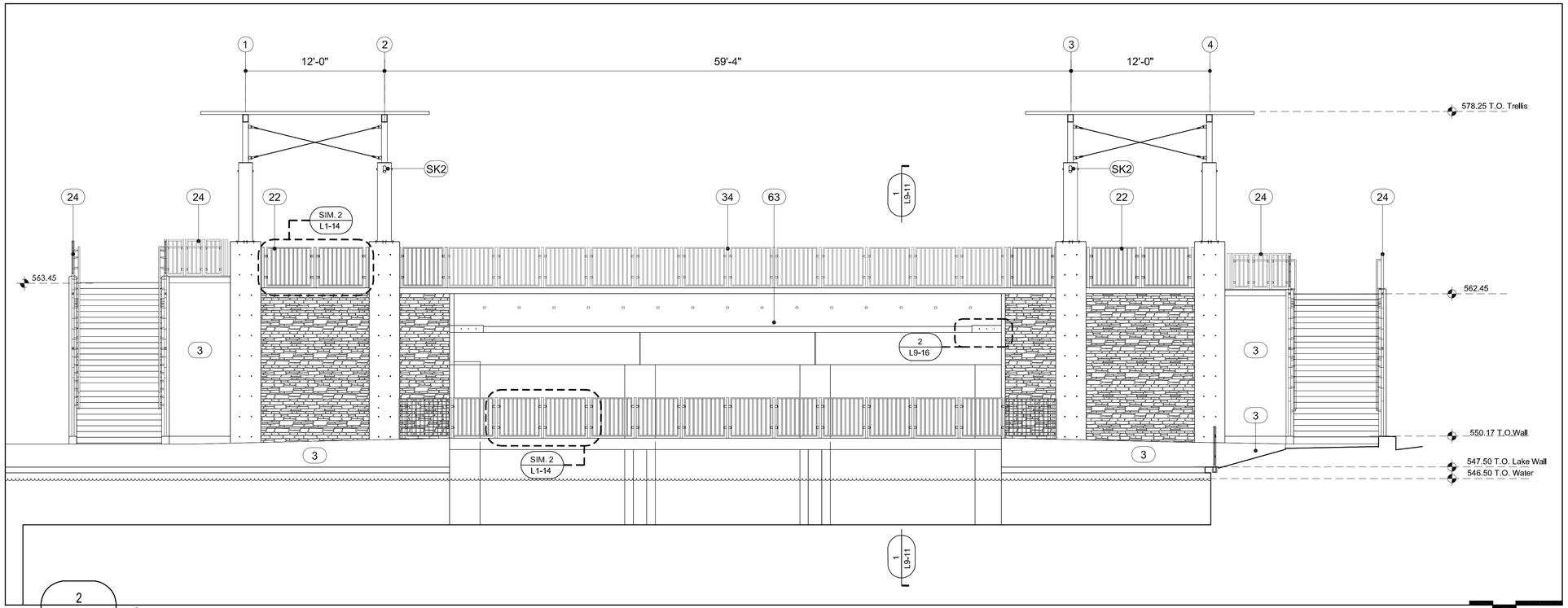
PARK AND STREETSCAPE IMPROVEMENTS
VITRUVIAN PARK

GROTTO STAIRS SECTIONS

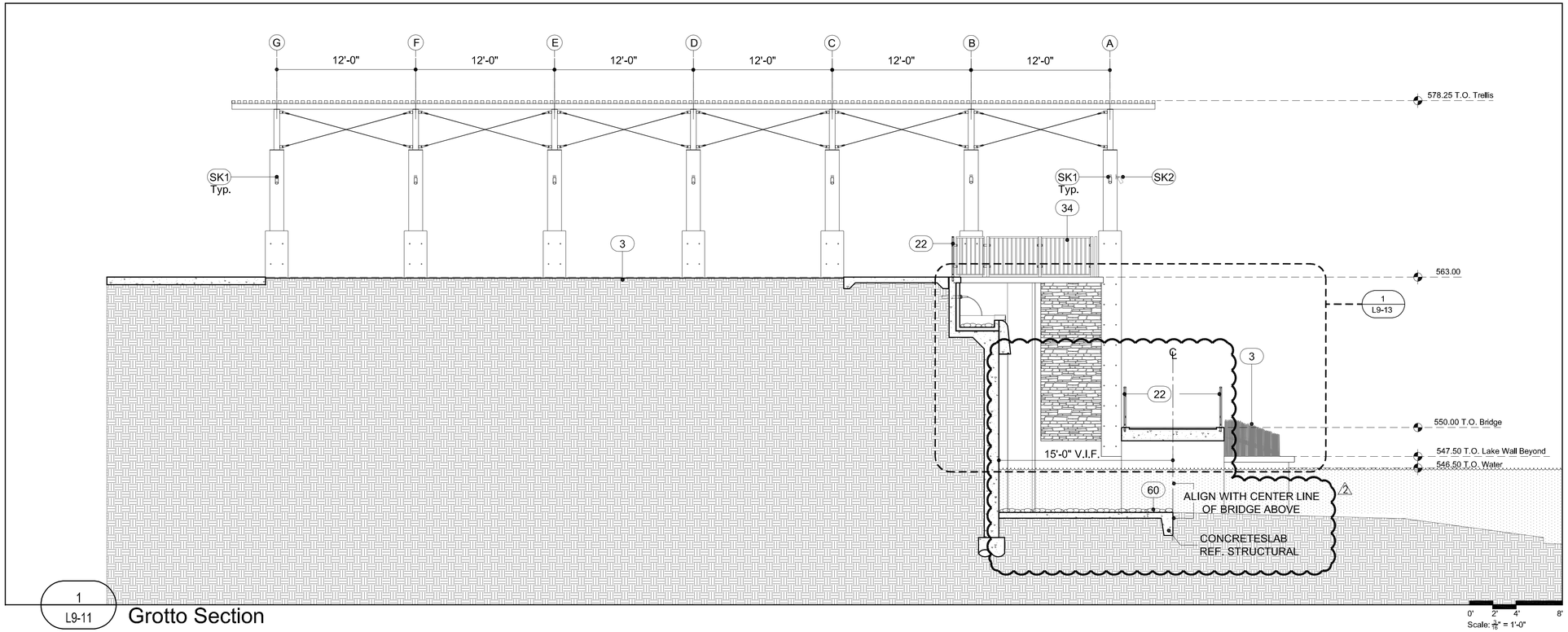
KEVIN SLOAN STUDIO
4145 Travis, Suite 105
Dallas, Texas 75204 (214) 379-1061

PROJECT	DESIGN	DRAWN	DATE	FILE	SHEET
5029-01	KWS		APR 26, 2010	PW # 2009-04	L9-10

PARK AND STREETSCAPE IMPROVEMENTS - VITRUVIAN PARK



2 L9-11 Grotto Elevation



1 L9-11 Grotto Section

GENERAL NOTE

Refer to sheet L1-01 Design Selection Summary for specific product, finishes, and colors.

Refer to sheets L1-12 & L1-13 for furniture and park element details.

LEGEND

1. Project Limit
2. Not in Contract (N.I.C.): Information provided for design intent only.
3. Planting Area: Ref. L10-00's & L11-00's
4. Expansion Joint: Ref. Civil for detail
5. Tooled Control Joint: Ref. Civil for detail
6. Concrete Paving A
7. Concrete Paving B
8. Concrete Paving C
9. Concrete Paving D
10. Concrete Wall: ref. Structural
11A. Pavestone Concrete Paver A
11B. Pavestone Concrete Paver B
11C. Pavestone Concrete Paver C
11D. Pavestone Concrete Paver D
11E. Pavestone Concrete Paver E
12. Structural Concrete Masonry Unit Wall
13. Structural Fill: Reference Structural
14. Transformer/Switchgear: Ref. Civil
15. Drain Grate
16. Atrium Grate
17. Paver Grate
18. Metal Pergola
19. Metal Trellis
20. Trellis Above
21. Light Fixture Above
22. Metal Guard Rail
23. Metal Handrail
24. Metal Guard Rail and Handrail
25. Granite Bollard
26. Composite Decking
27. Concrete Pier: Locate in field to avoid conflict with existing tree roots - Ref. Structural
28. Structural Steel Beam: Ref. Structural
29. Structural Framing: Ref. Structural
30. Structural Steel Channel: Ref. Structural
31. Concrete walkway: Ref. Civil & Structural
32. Bridge: N.I.C. (Not In Contract)
33. Building Beyond: N.I.C. (Not In Contract)
34. Guardrail Beyond
35. Concrete Form Ties
36. Vertical Control Joints: Ref. Structural
37. Concrete Bench
38. Lake Edge Wall: Ref. Structural
39. Concrete Wall Beyond
40. Electrical: Ref. Civil
41. Concrete Curb - Reference structural
42. Access Panel - Reference structural
43. Vertical Control Joints: Ref. Structural
44. Concrete Weir: Reference Structural
45. Water
46. Hollow Metal Door and Frame
47. Existing Wooden Fence
48. Metal Gate
49. Limestone Boulder
50. Stone Veneer
60. Fully Grouted Beach Pebbles
61. Not Used
62. Not Used
63. Fountain Pool: Ref. Fountain Consultant
64. Fountain Water Supply Line: Reference Fountain Consultant
65. Fountain Drain Line: Reference Fountain Consultant
66. Not used
67. Not used
68. Pedestal Drinking Fountain
69. Litter Receptacle
70. Bench
71. Pet Waste Disposal System
72. Bike Rack
73. Gravel
74. Limestone Slab

LIGHTING

- SA (1,2,3,4,5,6,7,8,9) Pole Mount - ref. Civil
- SB Pole Mount - ref. Civil
- SC Wall Recessed - ref. Civil
- SE Suspended Strand - ref. Civil
- SE-1 Suspended Strand - ref. Civil
- SE-1 Direct Imbedded Trans - ref. Civil
- SK1 Surface Mount - ref. Civil
- SK2 Surface Mount - ref. Civil
- L4 Pole Mount - ref. Civil
- L5 Ceiling Mount - ref. Civil

REGISTERED LANDSCAPE ARCHITECT
KEVIN W. SLOAN
2296
STATE OF TEXAS

NO.	REVISION	BY	DATE
1	GROTTO BASIN REVISION	KSS	10/19/10
2	GROTTO BASIN REVISION	KSS	10/25/10

Addison

TOWN OF ADDISON
DALLAS COUNTY, TEXAS

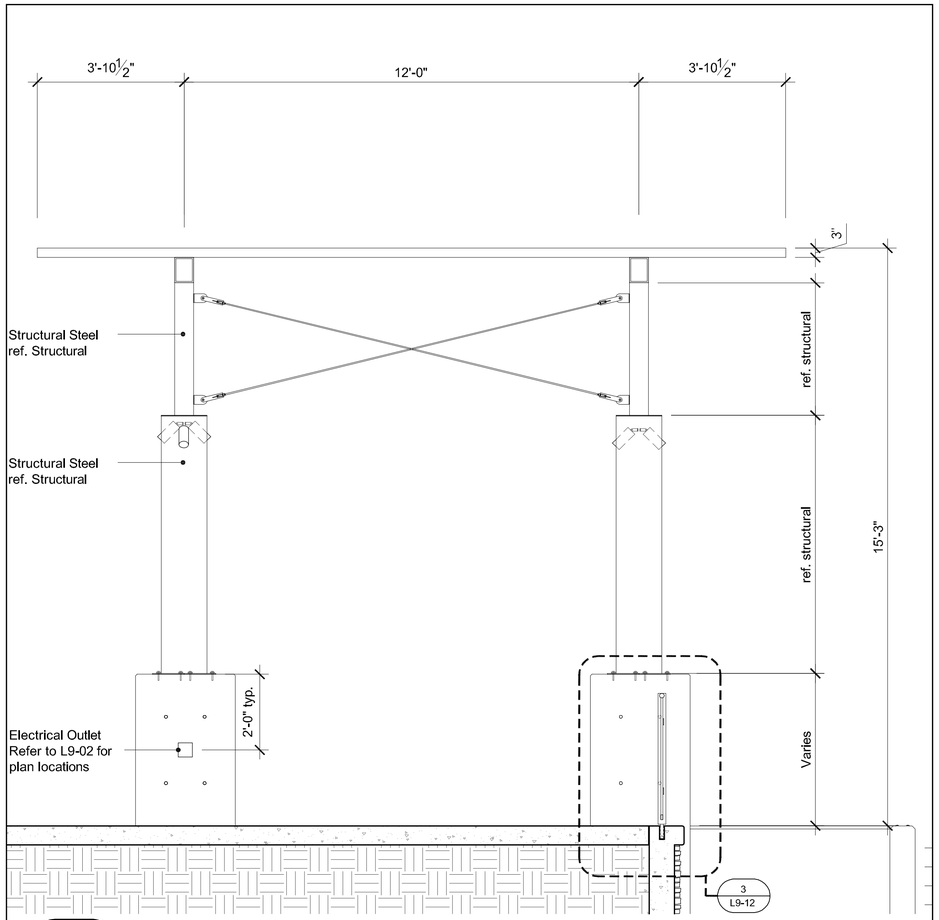
PARK AND STREETSCAPE IMPROVEMENTS
VITRUVIAN PARK

GROTTO ELEVATION AND SECTION

KEVIN SLOAN STUDIO
2400 Empire Central, Suite F
Dallas, Texas 75235 (214) 459-1784

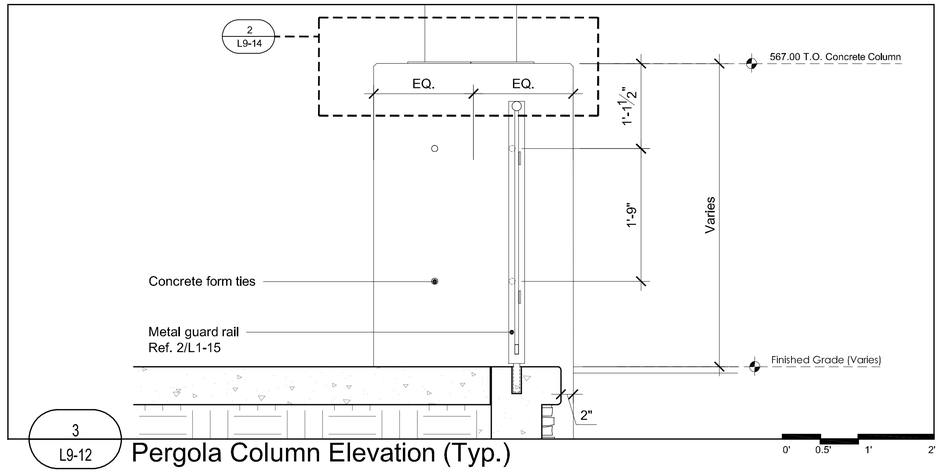
PROJECT	DESIGN	DRAWN	DATE	FILE	SHEET
5029-01	KWS		APR 26, 2010	PW # 2009-04	L9-11

PARK AND STREETSCAPE IMPROVEMENTS - VITRUVIAN PARK



4
L9-12

Pergola Elevation



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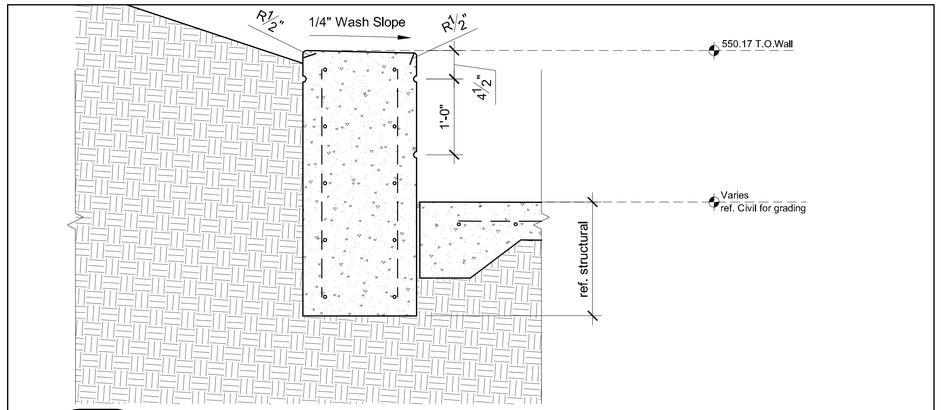
L9-12

Pergola Column Elevation (Typ.)



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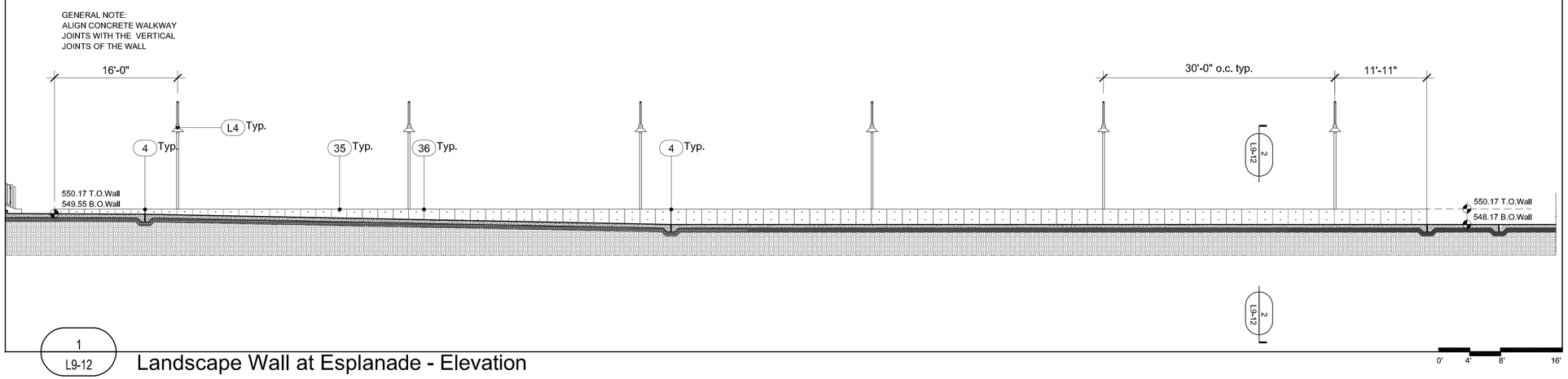
L9-12

Landscape Wall at Esplanade - Section



1
L9-12

Landscape Wall at Esplanade - Elevation

GENERAL NOTE

Refer to sheet L1-01 Design Selection Summary for specific product, finishes, and colors.

Refer to sheets L1-12 & L1-13 for furniture and park element details.

LEGEND

1. Project Limit
2. Not in Contract (N.I.C.): Information provided for design intent only.
3. Planting Area: Ref. L10-00's & L11-00's
4. Expansion Joint: Ref. Civil for detail
5. Tooled Control Joint: Ref. Civil for detail
6. Concrete Paving A
7. Concrete Paving B
8. Concrete Paving C
9. Concrete Paving D
10. Concrete Wall: ref. Structural
11A. Pavestone Concrete Paver A
11B. Pavestone Concrete Paver B
11C. Pavestone Concrete Paver C
11D. Pavestone Concrete Paver D
11E. Pavestone Concrete Paver E
12. Structural Concrete Masonry Unit Wall
13. Structural Fill: Reference Structural
14. Transformer/Switchgear: Ref. Civil
15. Drain Grate
16. Atrium Grate
17. Paver Grate
18. Metal Pergola
19. Metal Trellis
20. Trellis Above
21. Light Fixture Above
22. Metal Guard Rail
23. Metal Handrail
24. Metal Guard Rail and Handrail
25. Granite Bollard
26. Composite Decking
27. Concrete Pier: Locate in field to avoid conflict with existing tree roots - Ref. Structural
28. Structural Steel Beam: Ref. Structural
29. Structural Framing: Ref. Structural
30. Structural Steel Channel: Ref. Structural
31. Concrete walkway: Ref. Civil & Structural
32. Bridge: N.I.C. (Not In Contract)
33. Building Beyond: N.I.C. (Not In Contract)
34. Guardrail Beyond
35. Concrete Form Ties
36. Vertical Control Joints: Ref. Structural
37. Concrete Bench
38. Lake Edge Wall: Ref. Structural
39. Concrete Wall Beyond
40. Electrical: Ref. Civil
41. Concrete Curb - Reference structural
42. Access Panel - Reference structural
43. Vertical Control Joints: Ref. Structural
44. Concrete Weir: Reference Structural
45. Water
46. Hollow Metal Door and Frame
47. Existing Wooden Fence
48. Metal Gate
49. Limestone Boulder
50. Stone Veneer
60. Fully Grouted Beach Pebbles
61. Not Used
62. Not Used
63. Fountain Pool: Ref. Fountain Consultant
64. Fountain Water Supply Line: Reference Fountain Consultant
65. Fountain Drain Line: Reference Fountain Consultant
66. Not used
67. Not used
68. Pedestal Drinking Fountain
69. Litter Receptacle
70. Bench
71. Pet Waste Disposal System
72. Bike Rack
73. Gravel
74. Limestone Slab

LIGHTING

- SA (1,2,3,4,5,6,7,8,9) Pole Mount - ref. Civil
- SB Pole Mount - ref. Civil
- SC Wall Recessed - ref. Civil
- SE Suspended Strand - ref. Civil
- SE-1 Suspended Strand - ref. Civil
- SE-1 Direct Imbedded Trans - ref. Civil
- SK1 Surface Mount - ref. Civil
- SK2 Surface Mount - ref. Civil
- L4 Pole Mount - ref. Civil
- L5 Ceiling Mount - ref. Civil

REGISTERED LANDSCAPE ARCHITECT
KEVIN W. SLOAN
2296
STATE OF TEXAS

NO.	REVISION	BY	DATE

Addison

TOWN OF ADDISON
DALLAS COUNTY, TEXAS

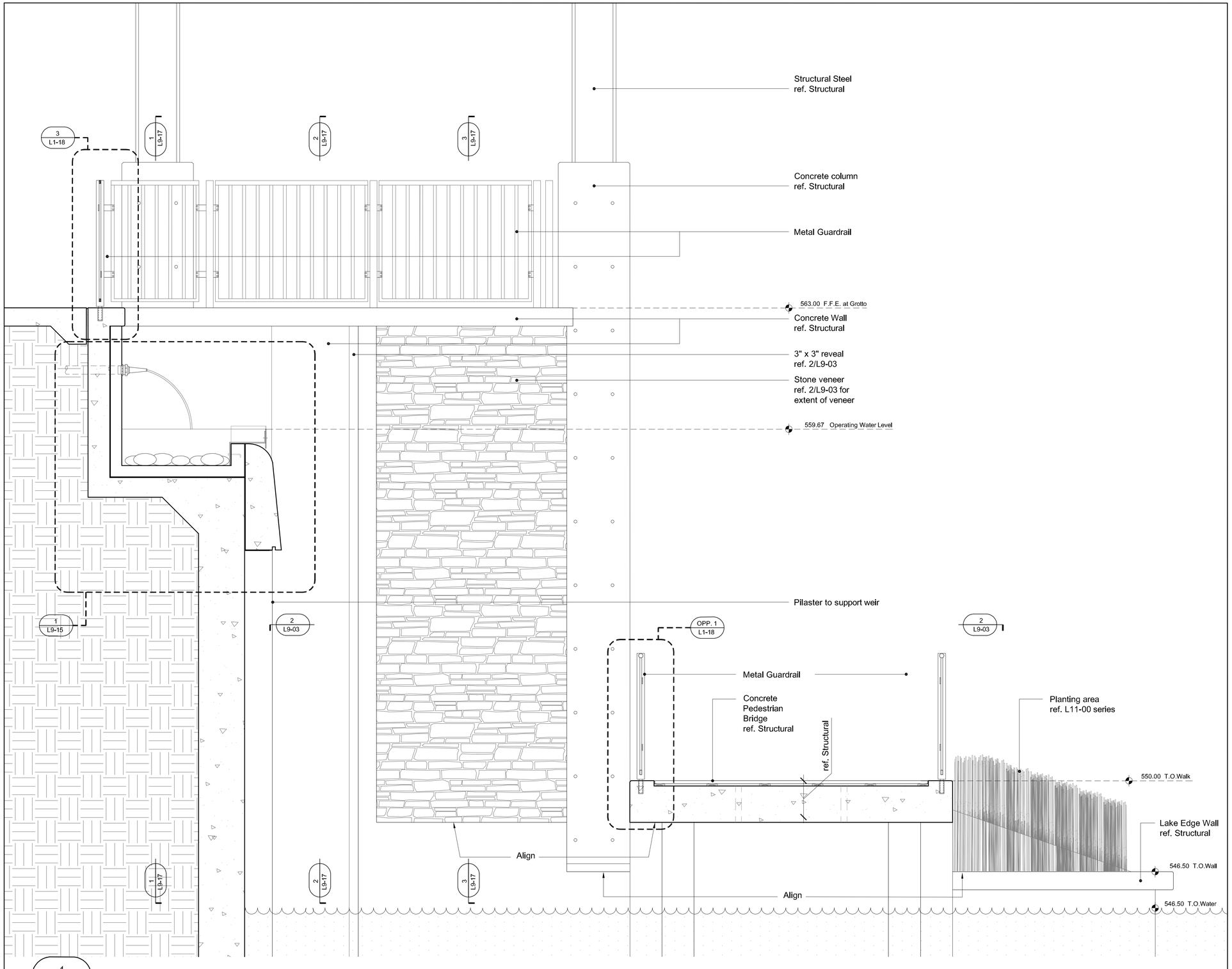
PARK AND STREETSCAPE IMPROVEMENTS
VITRUVIAN PARK

LANDSCAPE WALL AND PERGOLA ELEVATIONS AND DETAILS

KEVIN SLOAN STUDIO
4145 Travis, Suite 105
Dallas, Texas 75204 (214) 379-1061

PROJECT	DESIGN	DRAWN	DATE	FILE	SHEET
5029-01	KWS		APR 26, 2010	PW # 2009-04	L9-12

PARK AND STREETSCAPE IMPROVEMENTS - VITRUVIAN PARK



1 L9-13 Grotto Fountain Section

GENERAL NOTE

Refer to sheet L1-01 Design Selection Summary for specific product, finishes, and colors.

Refer to sheets L1-12 & L1-13 for furniture and park element details.

LEGEND

1. Project Limit
2. Not in Contract (N.I.C.): Information provided for design intent only.
3. Planting Area: Ref. L10-00's & L11-00's
4. Expansion Joint: Ref. Civil for detail
5. Tooled Control Joint: Ref. Civil for detail
6. Concrete Paving A
7. Concrete Paving B
8. Concrete Paving C
9. Concrete Paving D
10. Concrete Wall: ref. Structural
11A. Pavestone Concrete Paver A
11B. Pavestone Concrete Paver B
11C. Pavestone Concrete Paver C
11D. Pavestone Concrete Paver D
11E. Pavestone Concrete Paver E
12. Structural Concrete Masonry Unit Wall
13. Structural Fill: Reference Structural
14. Transformer/Switchgear: Ref. Civil
15. Drain Grate
16. Atrium Grate
17. Paver Grate
18. Metal Pergola
19. Metal Trellis
20. Trellis Above
21. Light Fixture Above
22. Metal Guard Rail
23. Metal Handrail
24. Metal Guard Rail and Handrail
25. Granite Bollard
26. Composite Decking
27. Concrete Pier: Locate in field to avoid conflict with existing tree roots - Ref. Structural
28. Structural Steel Beam: Ref. Structural
29. Structural Framing: Ref. Structural
30. Structural Steel Channel: Ref. Structural
31. Concrete walkway: Ref. Civil & Structural
32. Bridge: N.I.C. (Not In Contract)
33. Building Beyond: N.I.C. (Not In Contract)
34. Guardrail Beyond
35. Concrete Form Ties
36. Vertical Control Joints: Ref. Structural
37. Concrete Bench
38. Lake Edge Wall: Ref. Structural
39. Concrete Wall Beyond
40. Electrical: Ref. Civil
41. Concrete Curb - Reference structural
42. Access Panel - Reference structural
43. Vertical Control Joints: Ref. Structural
44. Concrete Weir: Reference Structural
45. Water
46. Hollow Metal Door and Frame
47. Existing Wooden Fence
48. Metal Gate
49. Limestone Boulder
50. Stone Veneer
60. Fully Grouted Beach Pebbles
61. Not Used
62. Not Used
63. Fountain Pool: Ref. Fountain Consultant
64. Fountain Water Supply Line: Reference Fountain Consultant
65. Fountain Drain Line: Reference Fountain Consultant
66. Not used
67. Not used
68. Pedestal Drinking Fountain
69. Litter Receptacle
70. Bench
71. Pet Waste Disposal System
72. Bike Rack
73. Gravel
74. Limestone Slab

LIGHTING

- SA (1,2,3,4,5,6,7,8,9) Pole Mount - ref. Civil
- SB Pole Mount - ref. Civil
- SC Wall Recessed - ref. Civil
- SE Suspended Strand - ref. Civil
- SE-1 Suspended Strand - ref. Civil
- SE-T Direct Imbedded Trans - ref. Civil
- SK1 Surface Mount - ref. Civil
- SK2 Surface Mount - ref. Civil
- L4 Pole Mount - ref. Civil
- L5 Ceiling Mount - ref. Civil

REGISTERED LANDSCAPE ARCHITECT KEVIN W. SLOAN 2296 STATE OF TEXAS

NO.	REVISION	BY	DATE

Addison TOWN OF ADDISON
DALLAS COUNTY, TEXAS

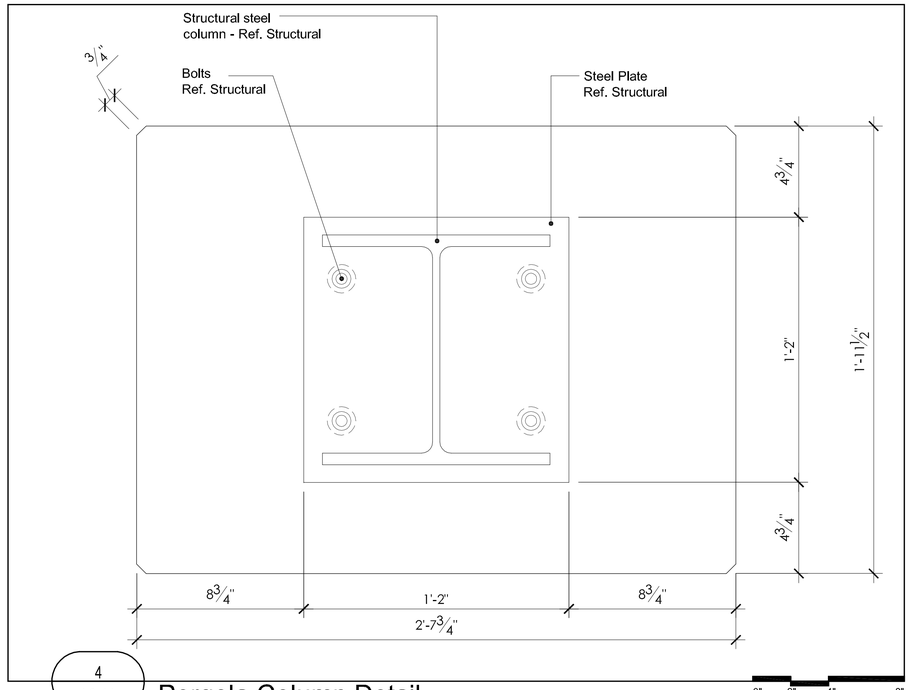
PARK AND STREETSCAPE IMPROVEMENTS
VITRUVIAN PARK

GROTTO FOUNTAIN SECTION

KEVIN SLOAN STUDIO
4145 Travis, Suite 105
Dallas, Texas 75204 (214) 379-1061

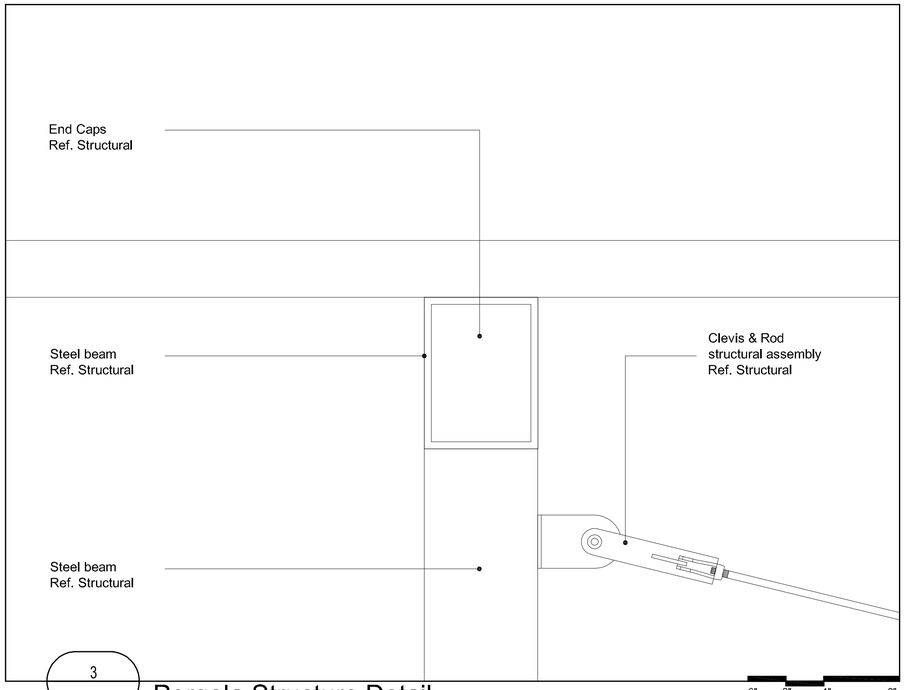
PROJECT	DESIGN	DRAWN	DATE	FILE	SHEET
5029-01	KWS		APR 26, 2010	PW # 2009-04	L9-13

PARK AND STREETSCAPE IMPROVEMENTS - VITRUVIAN PARK



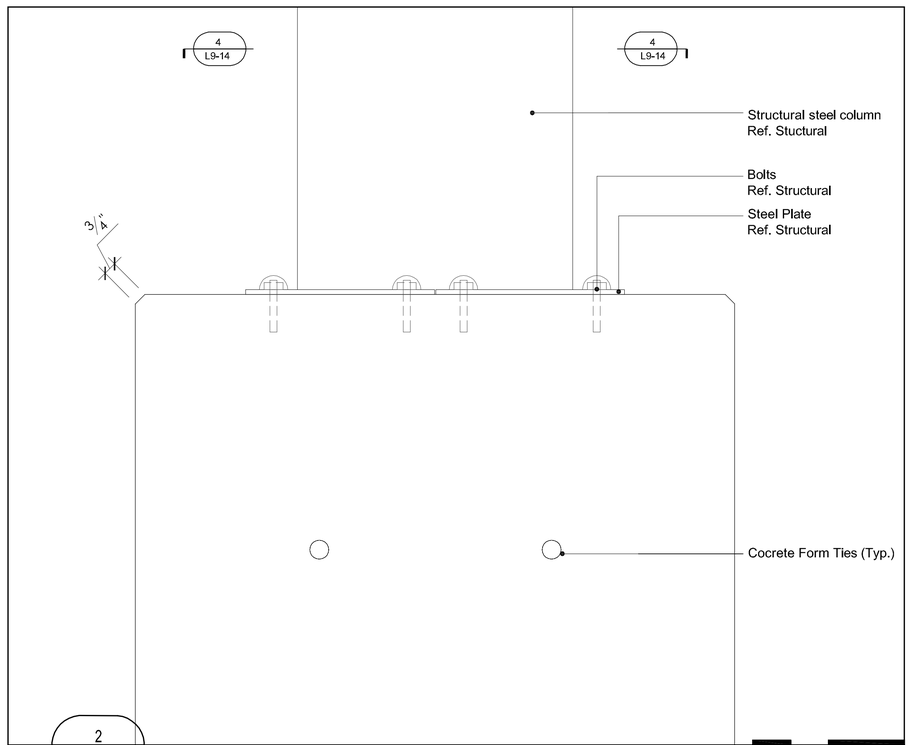
4 / L9-14 Pergola Column Detail

0" 2" 4" 8"
scale in inches



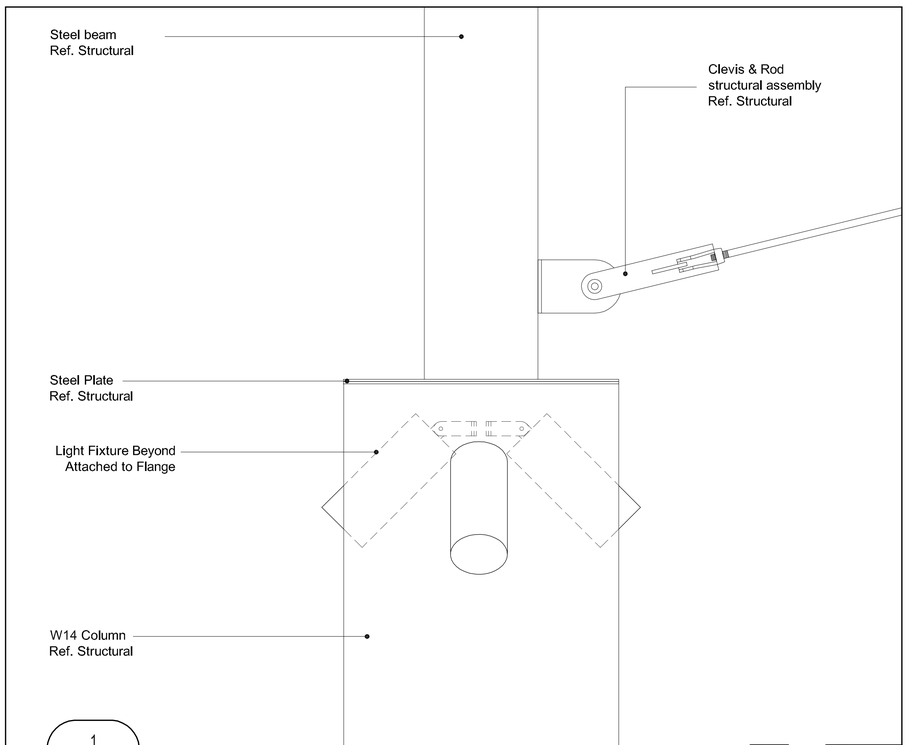
3 / L9-14 Pergola Structure Detail

0" 2" 4" 8"
scale in inches



2 / L9-14 Pergola Column Detail

0" 2" 4" 8"
scale in inches



1 / L9-14 Pergola Column Detail

0" 2" 4" 8"
scale in inches

GENERAL NOTE

Refer to sheet L1-01 Design Selection Summary for specific product, finishes, and colors.

Refer to sheets L1-12 & L1-13 for furniture and park element details.

LEGEND

1. Project Limit
2. Not in Contract (N.I.C.): Information provided for design intent only.
3. Planting Area: Ref. L10-00's & L11-00's
4. Expansion Joint: Ref. Civil for detail
5. Tooled Control Joint: Ref. Civil for detail
6. Concrete Paving A
7. Concrete Paving B
8. Concrete Paving C
9. Concrete Paving D
10. Concrete Wall: ref. Structural
11A. Pavestone Concrete Paver A
11B. Pavestone Concrete Paver B
11C. Pavestone Concrete Paver C
11D. Pavestone Concrete Paver D
11E. Pavestone Concrete Paver E
12. Structural Concrete Masonry Unit Wall
13. Structural Fill: Reference Structural
14. Transformer/Switchgear: Ref. Civil
15. Drain Grate
16. Atrium Grate
17. Paver Grate
18. Metal Pergola
19. Metal Trellis
20. Trellis Above
21. Light Fixture Above
22. Metal Guard Rail
23. Metal Handrail
24. Metal Guard Rail and Handrail
25. Granite Bollard
26. Composite Decking
27. Concrete Pier: Locate in field to avoid conflict with existing tree roots - Ref. Structural
28. Structural Steel Beam: Ref. Structural
29. Structural Framing: Ref. Structural
30. Structural Steel Channel: Ref. Structural
31. Concrete walkway: Ref. Civil & Structural
32. Bridge: N.I.C. (Not In Contract)
33. Building Beyond: N.I.C. (Not In Contract)
34. Guardrail Beyond
35. Concrete Form Ties
36. Vertical Control Joints: Ref. Structural
37. Concrete Bench
38. Lake Edge Wall: Ref. Structural
39. Concrete Wall Beyond
40. Electrical: Ref. Civil
41. Concrete Curb - Reference structural
42. Access Panel - Reference structural
43. Vertical Control Joints: Ref. Structural
44. Concrete Weir: Reference Structural
45. Water
46. Hollow Metal Door and Frame
47. Existing Wooden Fence
48. Metal Gate
49. Limestone Boulder
50. Stone Veneer
60. Fully Grouted Beach Pebbles
61. Not Used
62. Not Used
63. Fountain Pool: Ref. Fountain Consultant
64. Fountain Water Supply Line: Reference Fountain Consultant
65. Fountain Drain Line: Reference Fountain Consultant
66. Not used
67. Not used
68. Pedestal Drinking Fountain
69. Litter Receptacle
70. Bench
71. Pet Waste Disposal System
72. Bike Rack
73. Gravel
74. Limestone Slab

LIGHTING

- SA (1,2,3,4,5,6,7,8,9) Pole Mount - ref. Civil
- SB Pole Mount - ref. Civil
- SC Wall Recessed - ref. Civil
- SE Suspended Strand - ref. Civil
- SE-1 Suspended Strand - ref. Civil
- SE-T Direct Imbedded Trans - ref. Civil
- SK1 Surface Mount - ref. Civil
- SK2 Surface Mount - ref. Civil
- L4 Pole Mount - ref. Civil
- L5 Ceiling Mount - ref. Civil

NO.	REVISION	BY	DATE

Addison TOWN OF ADDISON
DALLAS COUNTY, TEXAS

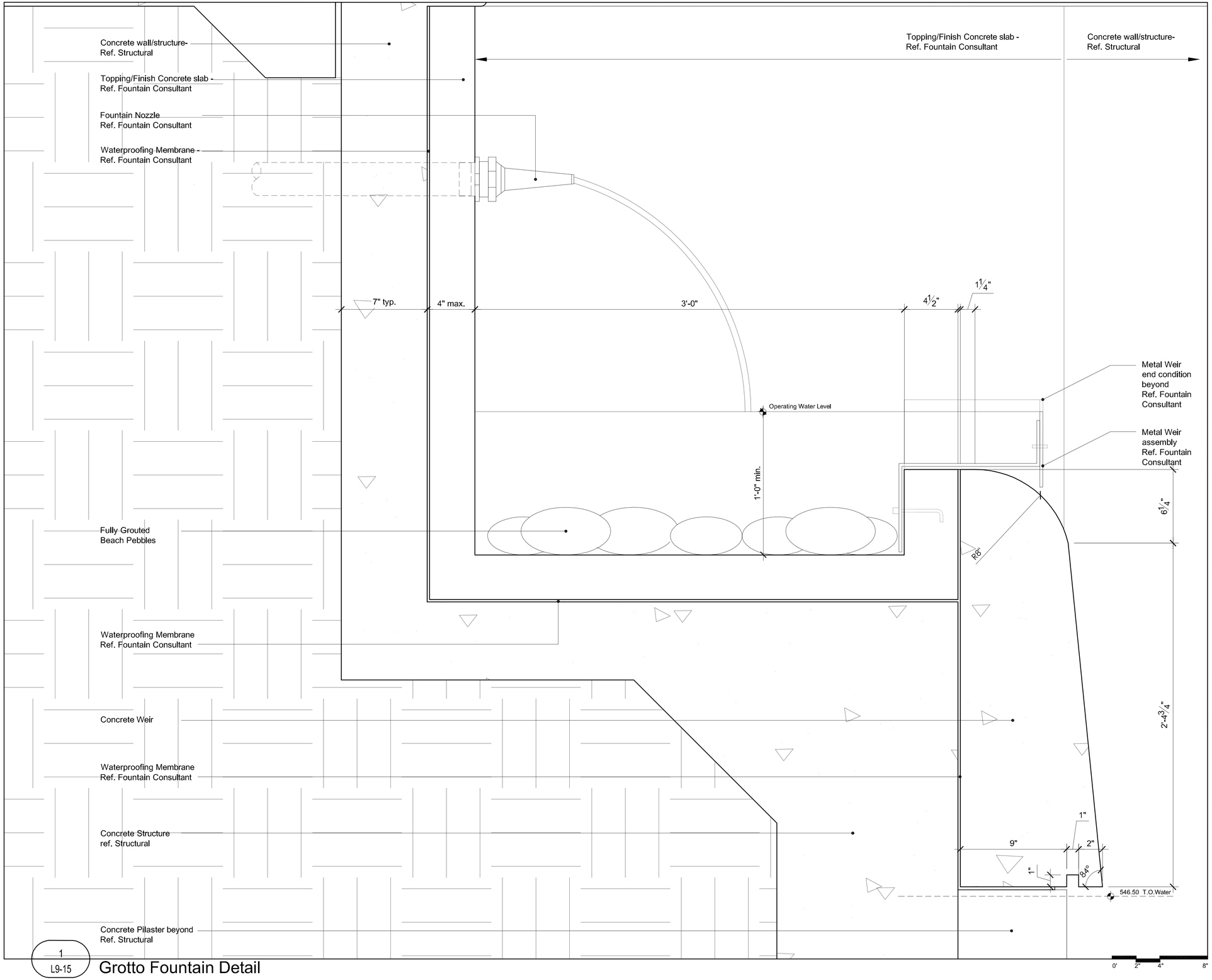
PARK AND STREETSCAPE IMPROVEMENTS
VITRUVIAN PARK

PERGOLA COLUMN AND ELEMENTS

KEVIN SLOAN STUDIO
4145 Travis, Suite 105
Dallas, Texas 75204 (214) 379-1061

PROJECT	DESIGN	DRAWN	DATE	FILE	SHEET
5029-01	KWS		APR 26, 2010	PW # 2009-04	L9-14

PARK AND STREETSCAPE IMPROVEMENTS - VITRUVIAN PARK



1
L9-15

Grotto Fountain Detail

GENERAL NOTE

Refer to sheet L1-01 Design Selection Summary for specific product, finishes, and colors.

Refer to sheets L1-12 & L1-13 for furniture and park element details.

LEGEND

1. Project Limit
2. Not in Contract (N.I.C.): Information provided for design intent only.
3. Planting Area: Ref. L10-00's & L11-00's
4. Expansion Joint: Ref. Civil for detail
5. Tooled Control Joint: Ref. Civil for detail
6. Concrete Paving A
7. Concrete Paving B
8. Concrete Paving C
9. Concrete Paving D
10. Concrete Wall: ref. Structural
11A. Pavestone Concrete Paver A
11B. Pavestone Concrete Paver B
11C. Pavestone Concrete Paver C
11D. Pavestone Concrete Paver D
11E. Pavestone Concrete Paver E
12. Structural Concrete Masonry Unit Wall
13. Structural Fill: Reference Structural
14. Transformer/Switchgear: Ref. Civil
15. Drain Grate
16. Atrium Grate
17. Paver Grate
18. Metal Pergola
19. Metal Trellis
20. Trellis Above
21. Light Fixture Above
22. Metal Guard Rail
23. Metal Handrail
24. Metal Guard Rail and Handrail
25. Granite Bollard
26. Composite Decking
27. Concrete Pier: Locate in field to avoid conflict with existing tree roots - Ref. Structural
28. Structural Steel Beam: Ref. Structural
29. Structural Framing: Ref. Structural
30. Structural Steel Channel: Ref. Structural
31. Concrete walkway: Ref. Civil & Structural
32. Bridge: N.I.C. (Not In Contract)
33. Building Beyond: N.I.C. (Not In Contract)
34. Guardrail Beyond
35. Concrete Form Ties
36. Vertical Control Joints: Ref. Structural
37. Concrete Bench
38. Lake Edge Wall: Ref. Structural
39. Concrete Wall Beyond
40. Electrical: Ref. Civil
41. Concrete Curb - Reference structural
42. Access Panel - Reference structural
43. Vertical Control Joints: Ref. Structural
44. Concrete Weir: Reference Structural
45. Water
46. Hollow Metal Door and Frame
47. Existing Wooden Fence
48. Metal Gate
49. Limestone Boulder
50. Stone Veneer
60. Fully Grouted Beach Pebbles
61. Not Used
62. Not Used
63. Fountain Pool: Ref. Fountain Consultant
64. Fountain Water Supply Line: Reference Fountain Consultant
65. Fountain Drain Line: Reference Fountain Consultant
66. Not used
67. Not used
68. Pedestal Drinking Fountain
69. Litter Receptacle
70. Bench
71. Pet Waste Disposal System
72. Bike Rack
73. Gravel
74. Limestone Slab

LIGHTING

- SA (1,2,3,4,5,6,7,8,9) Pole Mount - ref. Civil
- SB Pole Mount - ref. Civil
- SC Wall Recessed - ref. Civil
- SE Suspended Strand - ref. Civil
- SE-1 Suspended Strand - ref. Civil
- SE-1 Direct Imbedded Trans - ref. Civil
- SK1 Surface Mount - ref. Civil
- SK2 Surface Mount - ref. Civil
- L4 Pole Mount - ref. Civil
- L5 Ceiling Mount - ref. Civil

REGISTERED LANDSCAPE ARCHITECT KEVIN W. SLOAN 2296 STATE OF TEXAS

NO.	REVISION	BY	DATE

TOWN OF ADDISON
DALLAS COUNTY, TEXAS

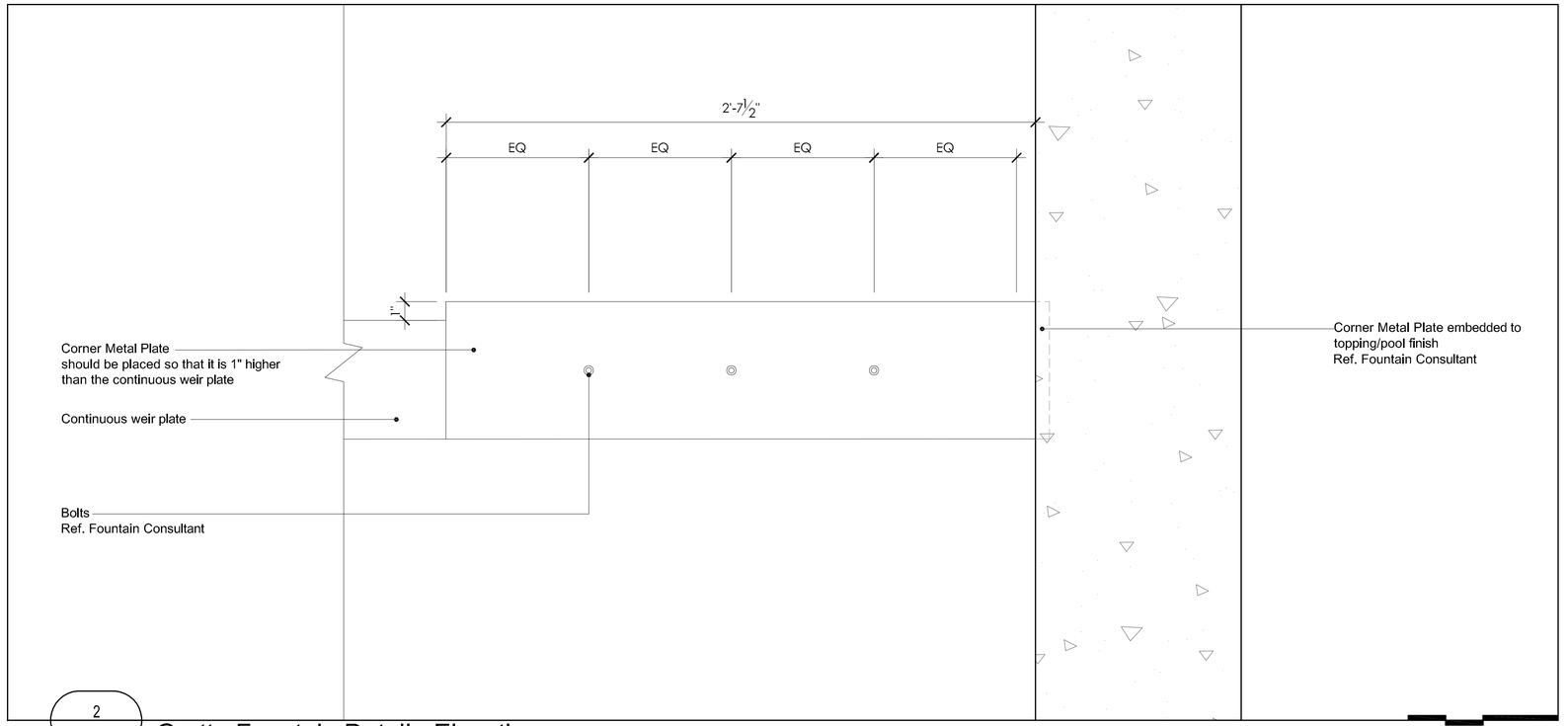
PARK AND STREETSCAPE IMPROVEMENTS
VITRUVIAN PARK

GROTTO FOUNTAIN DETAILS

KEVIN SLOAN STUDIO
4145 Travis, Suite 105
Dallas, Texas 75204 (214) 379-1061

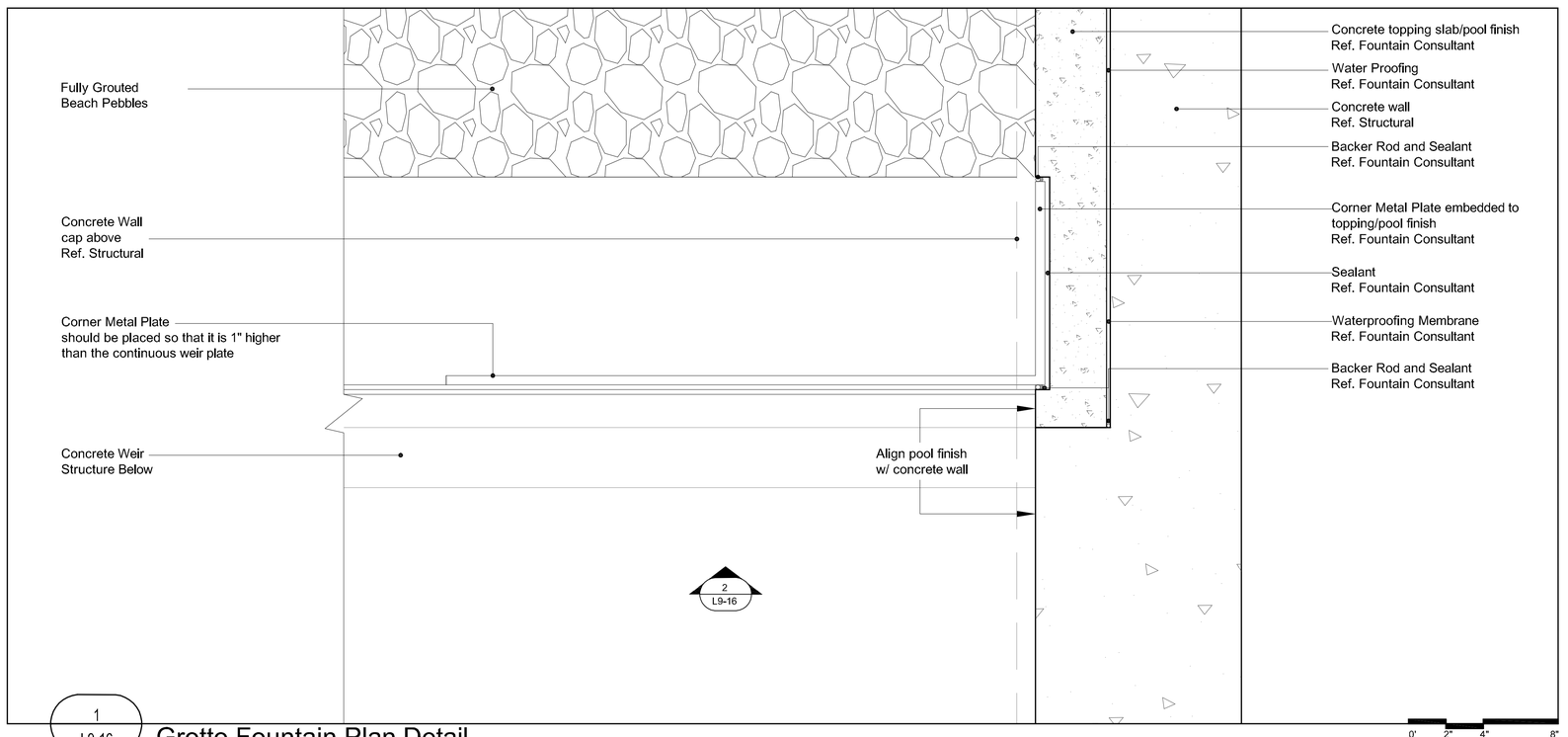
PROJECT	DESIGN	DRAWN	DATE	FILE	SHEET
5029-01	KWS		APR 26, 2010	PW # 2009-04	L9-15

PARK AND STREETSCAPE IMPROVEMENTS - VITRUVIAN PARK



2
L9-16

Grotto Fountain Detail - Elevation



1
L9-16

Grotto Fountain Plan Detail

GENERAL NOTE

Refer to sheet L1-01 Design Selection Summary for specific product, finishes, and colors.

Refer to sheets L1-12 & L1-13 for furniture and park element details.

LEGEND

1. Project Limit
2. Not in Contract (N.I.C.): Information provided for design intent only.
3. Planting Area: Ref. L10-00's & L11-00's
4. Expansion Joint: Ref. Civil for detail
5. Tooled Control Joint: Ref. Civil for detail
6. Concrete Paving A
7. Concrete Paving B
8. Concrete Paving C
9. Concrete Paving D
10. Concrete Wall: ref. Structural
11A. Pavestone Concrete Paver A
11B. Pavestone Concrete Paver B
11C. Pavestone Concrete Paver C
11D. Pavestone Concrete Paver D
11E. Pavestone Concrete Paver E
12. Structural Concrete Masonry Unit Wall
13. Structural Fill: Reference Structural
14. Transformer/Switchgear: Ref. Civil
15. Drain Grate
16. Atrium Grate
17. Paver Grate
18. Metal Pergola
19. Metal Trellis
20. Trellis Above
21. Light Fixture Above
22. Metal Guard Rail
23. Metal Handrail
24. Metal Guard Rail and Handrail
25. Granite Bollard
26. Composite Decking
27. Concrete Pier: Locate in field to avoid conflict with existing tree roots - Ref. Structural
28. Structural Steel Beam: Ref. Structural
29. Structural Framing: Ref. Structural
30. Structural Steel Channel: Ref. Structural
31. Concrete walkway: Ref. Civil & Structural
32. Bridge: N.I.C. (Not In Contract)
33. Building Beyond: N.I.C. (Not In Contract)
34. Guardrail Beyond
35. Concrete Form Ties
36. Vertical Control Joints: Ref. Structural
37. Concrete Bench
38. Lake Edge Wall: Ref. Structural
39. Concrete Wall Beyond
40. Electrical: Ref. Civil
41. Concrete Curb - Reference structural
42. Access Panel - Reference structural
43. Vertical Control Joints: Ref. Structural
44. Concrete Weir: Reference Structural
45. Water
46. Hollow Metal Door and Frame
47. Existing Wooden Fence
48. Metal Gate
49. Limestone Boulder
50. Stone Veneer
60. Fully Grouted Beach Pebbles
61. Not Used
62. Not Used
63. Fountain Pool: Ref. Fountain Consultant
64. Fountain Water Supply Line: Reference Fountain Consultant
65. Fountain Drain Line: Reference Fountain Consultant
66. Not used
67. Not used
68. Pedestal Drinking Fountain
69. Litter Receptacle
70. Bench
71. Pet Waste Disposal System
72. Bike Rack
73. Gravel
74. Limestone Slab

LIGHTING

- SA (1,2,3,4,5,6,7,8,9) Pole Mount - ref. Civil
- SB Pole Mount - ref. Civil
- SC Wall Recessed - ref. Civil
- SE Suspended Strand - ref. Civil
- SE-1 Suspended Strand - ref. Civil
- SE-1 Direct Imbedded Trans - ref. Civil
- SK1 Surface Mount - ref. Civil
- SK2 Surface Mount - ref. Civil
- L4 Pole Mount - ref. Civil
- L5 Ceiling Mount - ref. Civil

REGISTERED LANDSCAPE ARCHITECT
KEVIN W. SLOAN
2296
STATE OF TEXAS

NO.	REVISION	BY	DATE

TOWN OF ADDISON
DALLAS COUNTY, TEXAS

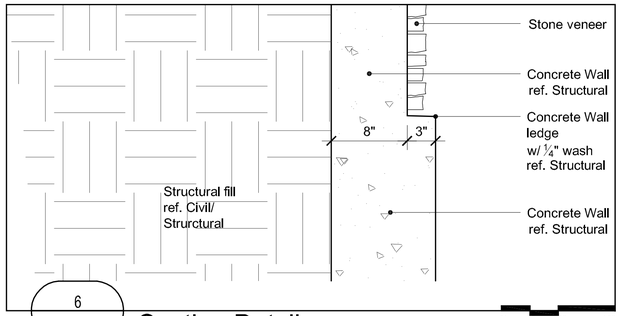
PARK AND STREETSCAPE IMPROVEMENTS
VITRUVIAN PARK

GROTTO FOUNTAIN DETAILS

KEVIN SLOAN STUDIO
4145 Travis, Suite 105
Dallas, Texas 75204 (214) 379-1061

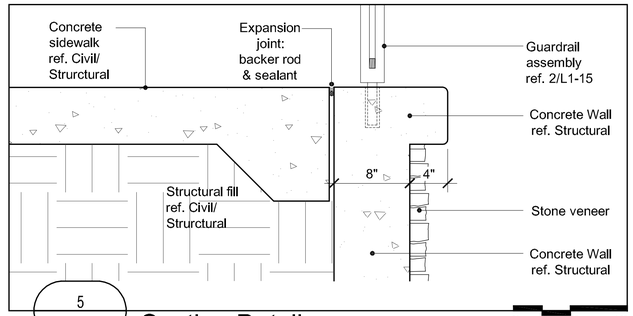
PROJECT	DESIGN	DRAWN	DATE	FILE	SHEET
5029-01	KWS		APR 26, 2010	PW # 2009-04	L9-16

PARK AND STREETSCAPE IMPROVEMENTS - VITRUVIAN PARK



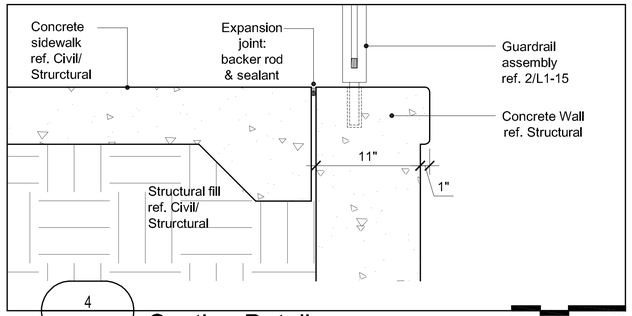
6 L9-17 Section Detail

0' 4" 8" 16"



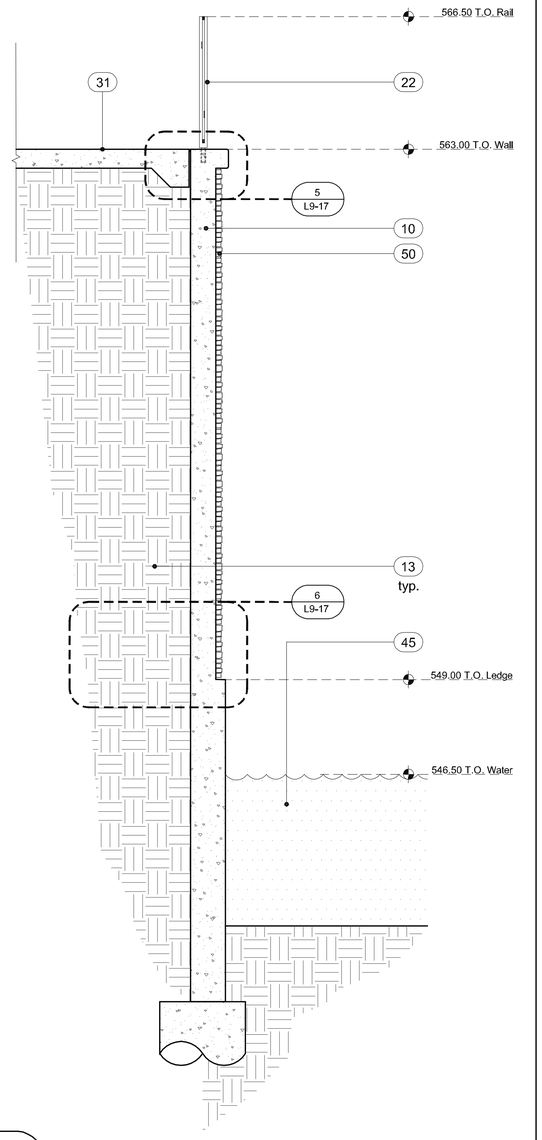
5 L9-17 Section Detail

0' 4" 8" 16"



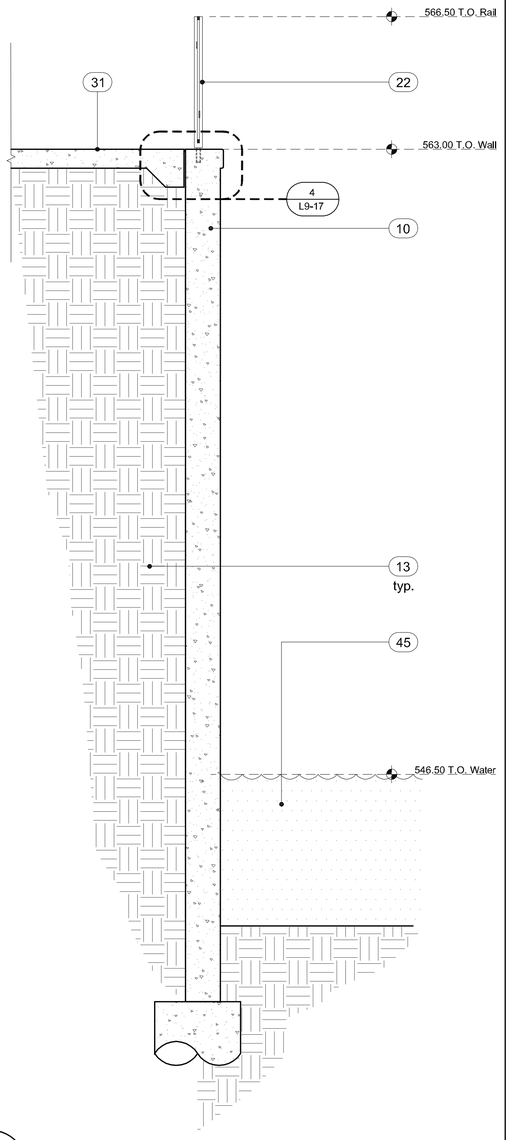
4 L9-17 Section Detail

0' 4" 8" 16"



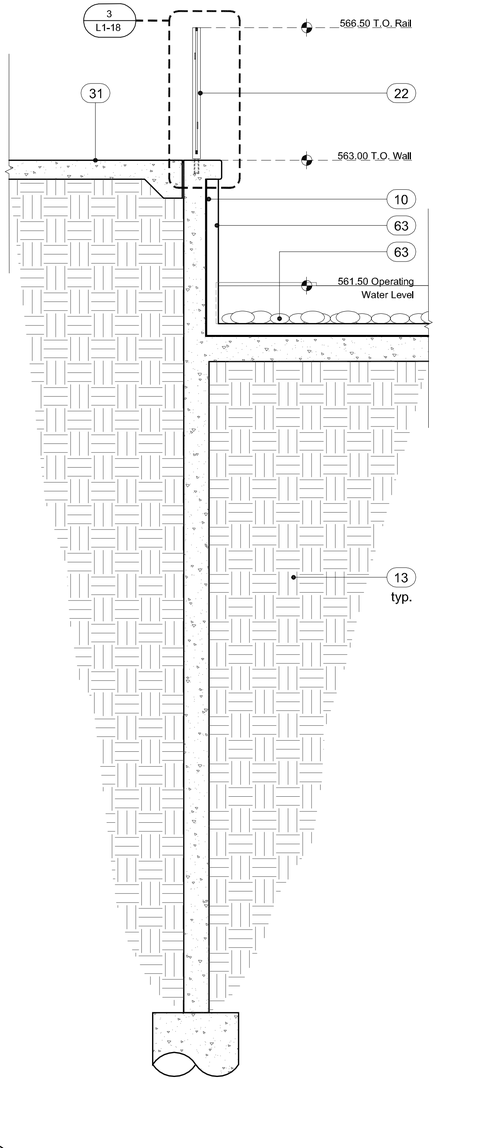
3 L9-17 Grotto Section

0' 1' 2' 4'



2 L9-17 Grotto Section

0' 1' 2' 4'



1 L9-17 Grotto Wall Section

0' 1' 2' 4'

GENERAL NOTE

Refer to sheet L1-01 Design Selection Summary for specific product, finishes, and colors.

Refer to sheets L1-12 & L1-13 for furniture and park element details.

LEGEND

1. Project Limit
2. Not in Contract (N.I.C.): Information provided for design intent only.
3. Planting Area: Ref. L10-00's & L11-00's
4. Expansion Joint: Ref. Civil for detail
5. Tooled Control Joint: Ref. Civil for detail
6. Concrete Paving A
7. Concrete Paving B
8. Concrete Paving C
9. Concrete Paving D
10. Concrete Wall: ref. Structural
11A. Pavestone Concrete Paver A
11B. Pavestone Concrete Paver B
11C. Pavestone Concrete Paver C
11D. Pavestone Concrete Paver D
11E. Pavestone Concrete Paver E
12. Structural Concrete Masonry Unit Wall
13. Structural Fill: Reference Structural
14. Transformer/Switchgear: Ref. Civil
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20. Trellis Above
21. Light Fixture Above
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29. Structural Framing: Ref. Structural
30. Structural Steel Channel: Ref. Structural
31. Concrete walkway: Ref. Civil & Structural
32. Bridge: N.I.C. (Not In Contract)
33. Building Beyond: N.I.C. (Not In Contract)
34. Guardrail Beyond
35. Concrete Form Ties
36. Vertical Control Joints: Ref. Structural
37. Concrete Bench
38. Lake Edge Wall: Ref. Structural
39. Concrete Wall Beyond
40. Electrical: Ref. Civil
41. Concrete Curb - Reference structural
42. Access Panel - Reference structural
43. Vertical Control Joints: Ref. Structural
44. Concrete Weir: Reference Structural
45. Water
46. Hollow Metal Door and Frame
47. Existing Wooden Fence
48. Metal Gate
49. Limestone Boulder
50. Stone Veneer
60. Fully Grouted Beach Pebbles
61. Not Used
62. Not Used
63. Fountain Pool: Ref. Fountain Consultant
64. Fountain Water Supply Line: Reference Fountain Consultant
65. Fountain Drain Line: Reference Fountain Consultant
66. Not used
67. Not used
68. Pedestal Drinking Fountain
69. Litter Receptacle
70. Bench
71. Pet Waste Disposal System
72. Bike Rack
73. Gravel
74. Limestone Slab

LIGHTING

- SA (1,2,3,4,5,6,7,8,9) Pole Mount - ref. Civil
- SB Pole Mount - ref. Civil
- SC Wall Recessed - ref. Civil
- SE Suspended Strand - ref. Civil
- SE-1 Suspended Strand - ref. Civil
- SE-1 Direct Imbedded Trans - ref. Civil
- SK1 Surface Mount - ref. Civil
- SK2 Surface Mount - ref. Civil
- L4 Pole Mount - ref. Civil
- L5 Ceiling Mount - ref. Civil

REGISTERED LANDSCAPE ARCHITECT KEVIN W. SLOAN 2296 STATE OF TEXAS

NO.	REVISION	BY	DATE

Addison TOWN OF ADDISON
DALLAS COUNTY, TEXAS

PARK AND STREETSCAPE IMPROVEMENTS
VITRUVIAN PARK

GROTTO WALL SECTIONS

KEVIN SLOAN STUDIO
4145 Travis, Suite 105
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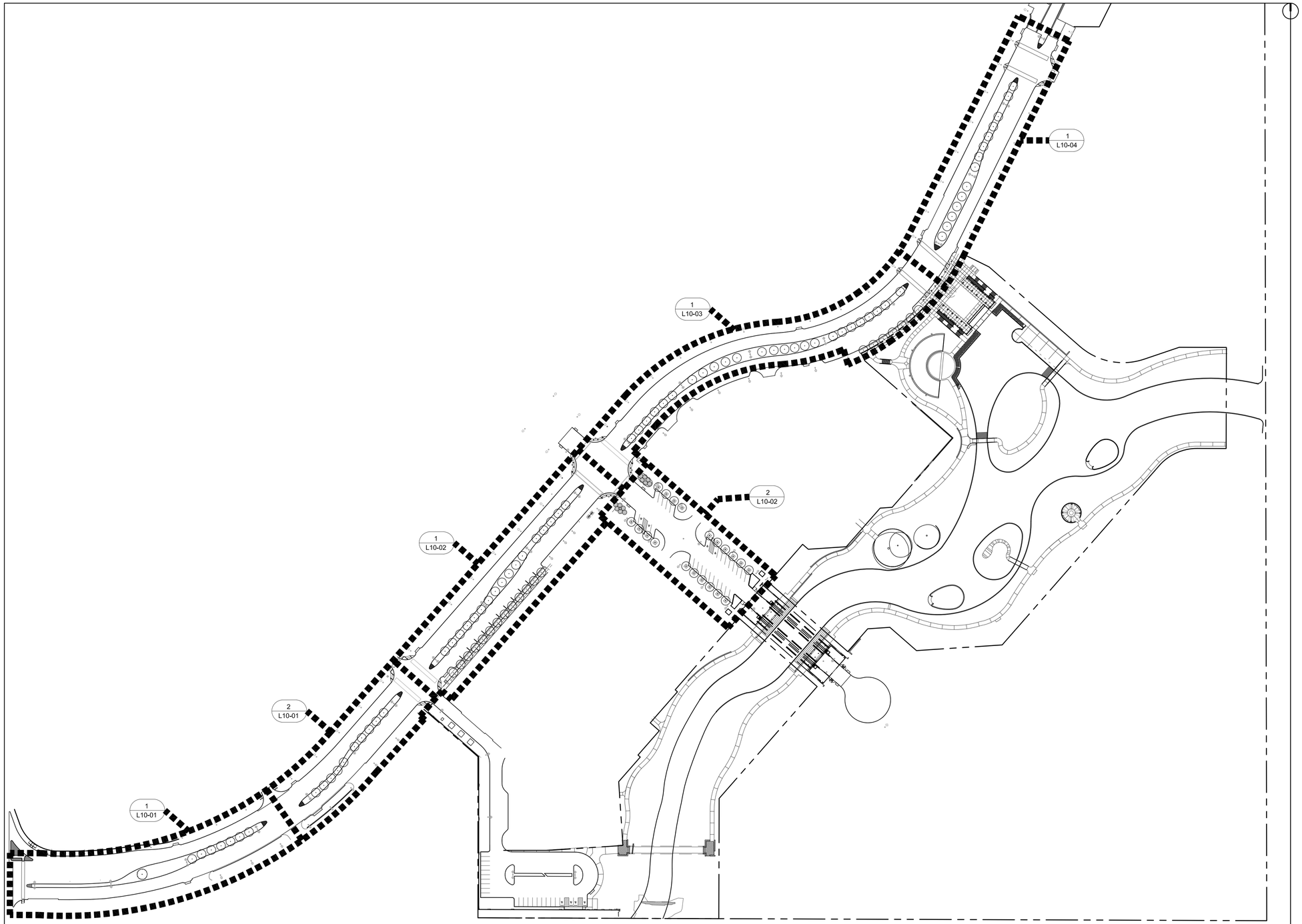
PROJECT	DESIGN	DRAWN	DATE	FILE	SHEET
5029-01	KWS		APR 26, 2010	PW # 2009-04	L9-17

PARK AND STREETSCAPE IMPROVEMENTS - VITRUVIAN PARK



PLANTING LEGEND

- (A) Existing Tree to remain
  Reference specifications for existing tree protection and treatment.
- (B) Preserved Live Oak
  Quercus virginiana
  On-site, field dug specimen, requires 168" tree spade to move, LA to select and place. Ref. to "Tree Preservation Area Legend & Notes" (Inset on sheets L11-03, L11-04, L11-05 & L11-08) for number suffix.
- (C) Live Oak
  Quercus virginiana
  4" cal, single trunk, container grown.
- (C1) Live Oak, 'High Rise'
  Quercus virginiana, 'QVTIA'
  4" cal, single trunk, container grown.
- (D) NOT USED.
- (E) NOT USED.
- (F) Red Oak
  Quercus texana
  4" cal, container grown.
- (G) Shumard Oak
  Quercus shumardii
  4" cal, container grown.
- (H) Chinkapin Oak
  Quercus muhlenbergii
  4" cal, container grown.
- (I) Bald Cypress
  Taxodium distichum
  4" cal, container grown.
- (J) Pond Cypress
  Taxodium ascendens
  4" cal, container grown,
- (K) Texas Ash
  Fraxinus texensis
  4" cal, container grown.
- (L) Lacebark Elm
  Ulmus parvifolia
  4" caliper, container grown.
- (M) River Birch
  Betula nigra
  12-14' ht,, 3-5 canes each, B&B.
- (AA) NOT USED.
- (BB) Savannah Holly
  Ilex opaca x attenuata 'Savannah'
  4" cal, single trunk, 12' ht, tree form, container grown.
- (CC) Natchez Crape Myrtle
  Lagerstroemia indica 'Natchez'
  12'-14' ht, multi trunk, 3-5 canes, grown for height.
- (CC-2) Natchez Crape Myrtle
  Lagerstroemia indica 'Natchez'
  10'-12' ht, multi trunk, 3-5 canes, grown for height.
- (DD) Oklahoma Redbud
  Cercis canadensis 'Oklahoma'
  3"-3 ½" cal, 8' ht, container grown
- (EE) Weeping Love Grass
  Eragrostis curvula
- (FF) Vitex
  Vitex agnus-castus
  65 gal, 10' ht, container, grown for height.
- (GG) Asian Jasmine
  Trachelospermum asiaticum
  1 gal, plant 18" o.c.
- (HH) Horsetail Reed
  Equisetum hyemale
  1 gal, plant 18" o.c.
- (II) Grass Mix for Hydromulch
  Reference specifications for percentage of each seed for mixture: 1. Sideoats Grama, *Bouteloua curtipendula*; 2. Inland Sea Oats, *Chasmanthium latifolium*; 3. Prairie Wild Rye, *Elymus canadensis*; 4. Purple Top, *Tridens flavus*; 5. Virginia Wild Rye, *Elymus virginicus*; 6. Plains Bristlegrass, *Setaria vulpiseta*.
- (JJ) Midiron Bermuda
  Cynodon dactylon 'Midiron'
  sod, pinned on slopes greater than 6:1.
- (KK) Harbor Dwarf Nandina
  Nandina domestica 'Harbor Dwarf'
  15 gal., 3' ht., 36" o.c.
- (LL) Dwarf Chinese Holly
  Ilex cornuta 'Rotunda'
  15 gal., 3' ht., 36" o.c.
- (MM) Creeping Fig
  Ficus Pumila
  1 gal., staggered 18"-24" o.c.
- (NN) Mondo Grass
  Ophiopogon japonicus
  4" pot, max. 8" o.c., diamond pattern.

PLANTING NOTES:

1. All tree locations that are shown shall be staked by the Landscape Contractor and the stakes approved in writing by the town of Addison and Landscape Architect, prior to any tree planting.
2. Any and all tree plantings shall not be planted less than five feet (clear) to the back of the pond edge walls.
3. See planting detail (1/L1-22) for special staking detail for tree plantings located on the islands.
4. Civil information for reference only. Verify actual location of utilities with Civil drawings.
5. All undimensioned trees for contractor to stake.
6. Contractor to provide aeration, pruning, and fertilization of preserved live oaks by an ISA certified arborist prior to construction around the trees.
7. Landscape contractor's scope of work to begin at finished grade minus 4".

REGISTERED LANDSCAPE ARCHITECT
KEVIN W. SLOAN
2296
STATE OF TEXAS

NO.	REVISION	BY	DATE

TOWN OF ADDISON
DALLAS COUNTY, TEXAS

PARK AND STREETSCAPE IMPROVEMENTS
VITRUVIAN PARK

STREETSCAPE & INFRASTRUCTURE PLANTING PLAN COVER SHEET

KEVIN SLOAN STUDIO
4145 Travis, Suite 105
Dallas, Texas 75204 (214) 379-1061

PROJECT	DESIGN	DRAWN	DATE	FILE	SHEET
5029-01	KWS	MM	APR 26, 2010	PW # 2009-04	L10-00

PARK AND STREETSCAPE IMPROVEMENTS - VITRUVIAN PARK

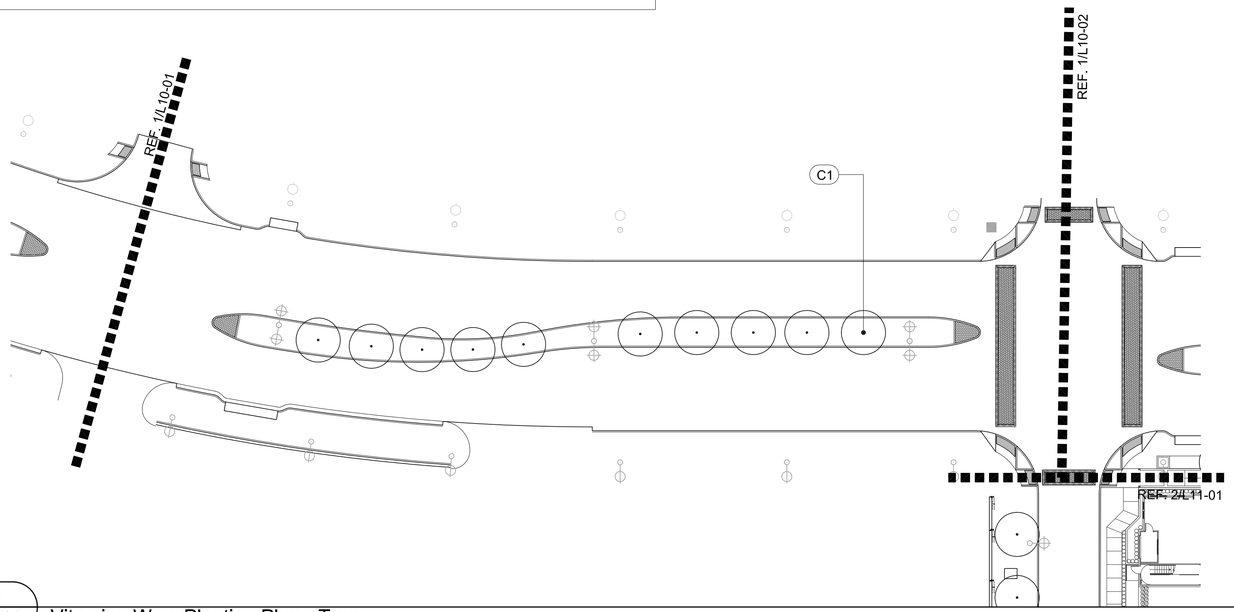
1
L10-00
Streetscape & Infrastructure Planting Plan Cover Sheet

0' 50' 100' 200'

PLANT QUANTITIES

C1 (10) Live Oak, 'High Rise'
Quercus virginiana, 'QVTIA'
4" cal, single trunk, container matched.

NOTE: ALL tree locations that are shown shall be staked by the Landscape Contractor and the locations of the stakes approved in writing by the town of Addison and Landscape Architect, prior to any tree planting.



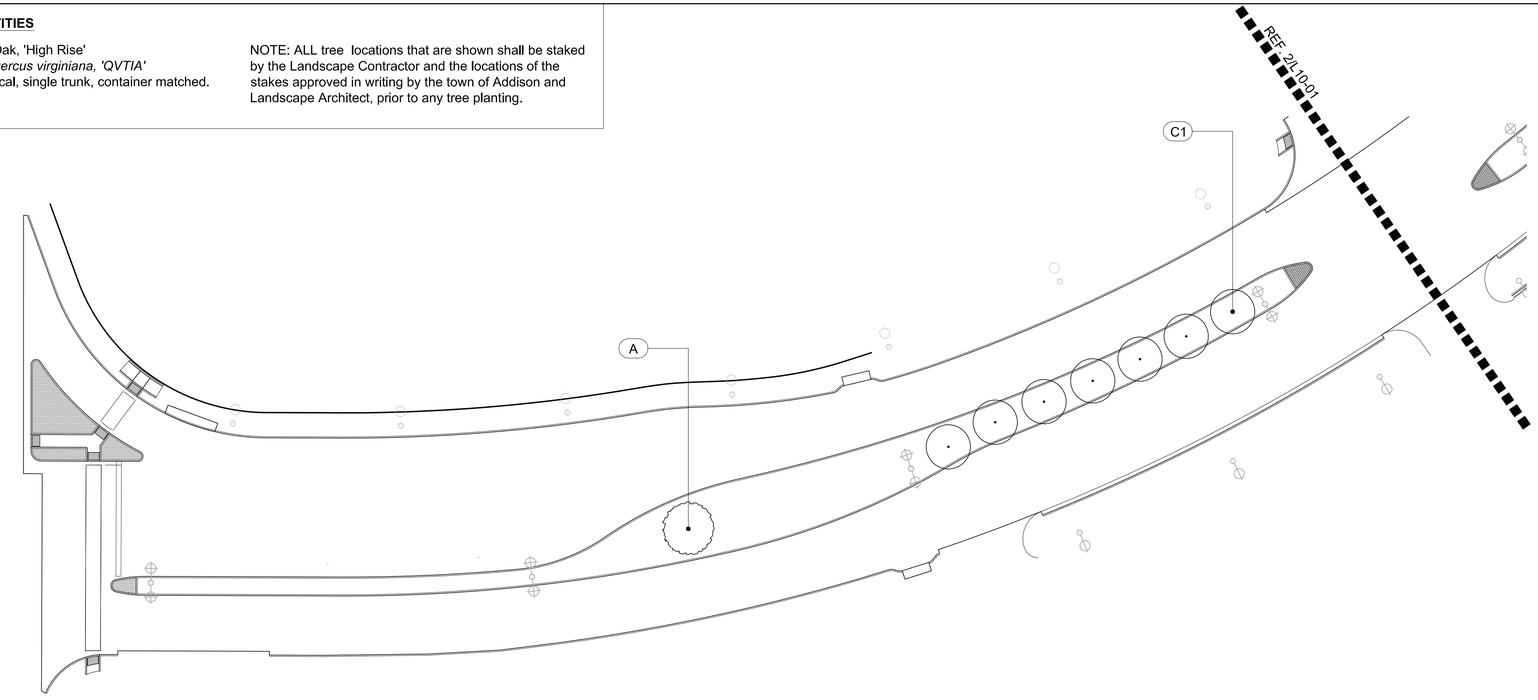
0' 15' 30' 60'

2
L10-01 Vitruvian Way, Planting Plan - Trees

PLANT QUANTITIES

C1 (7) Live Oak, 'High Rise'
Quercus virginiana, 'QVTIA'
4" cal, single trunk, container matched.

NOTE: ALL tree locations that are shown shall be staked by the Landscape Contractor and the locations of the stakes approved in writing by the town of Addison and Landscape Architect, prior to any tree planting.



0' 15' 30' 60'

1
L10-01 Vitruvian Way, Planting Plan - Trees

PLANTING LEGEND

- (A) Existing Tree to remain
  Reference specifications for existing tree protection and treatment.
- (B) Preserved Live Oak
  Quercus virginiana
  On-site, field dug specimen, requires 168" tree spade to move, LA to select and place. Ref. to "Tree Preservation Area Legend & Notes" (Inset on sheets L11-03, L11-04, L11-05 & L11-08) for number suffix.
- (C) Live Oak
  Quercus virginiana
  4" cal, single trunk, container grown.
- (C1) Live Oak, 'High Rise'
  Quercus virginiana, 'QVTIA'
  4" cal, single trunk, container grown.
- (D) NOT USED.
- (E) NOT USED.
- (F) Red Oak
  Quercus texana
  4" cal, container grown.
- (G) Shumard Oak
  Quercus shumardii
  4" cal, container grown.
- (H) Chinkapin Oak
  Quercus muhlenbergii
  4" cal, container grown.
- (I) Bald Cypress
  Taxodium distichum
  4" cal, container grown.
- (J) Pond Cypress
  Taxodium ascendens
  4" cal, container grown.
- (K) Texas Ash
  Fraxinus texensis
  4" cal, container grown.
- (L) Lacebark Elm
  Ulmus parvifolia
  4" caliper, container grown.
- (M) River Birch
  Betula nigra
  12-14' ht,, 3-5 canes each, B&B.
- (AA) NOT USED.
- (BB) Savannah Holly
  Ilex opaca x attenuata 'Savannah'
  4" cal, single trunk, 12' ht, tree form, container grown.
- (CC) Natchez Crape Myrtle
  Lagerstroemia indica 'Natchez'
  12'-14' ht, multi trunk, 3-5 canes, grown for height.
- (CC-2) Natchez Crape Myrtle
  Lagerstroemia indica 'Natchez'
  10'-12' ht, multi trunk, 3-5 canes, grown for height.
- (DD) Oklahoma Redbud
  Cercis canadensis 'Oklahoma'
  3"-3 ½" cal, 8' ht, container grown
- (EE) Weeping Love Grass
  Eragrostis curvula
- (FF) Vitex
  Vitex agnus-castus
  65 gal, 10' ht, container, grown for height.
- (GG) Asian Jasmine
  Trachelospermum asiaticum
  1 gal, plant 18" o.c.
- (HH) Horsetail Reed
  Equisetum hyemale
  1 gal, plant 18" o.c.
- (II) Grass Mix for Hydromulch
  Reference specifications for percentage of each seed for mixture: 1. Sideoats Grama, *Bouteloua curtipendula*; 2. Inland Sea Oats, *Chasmanthium latifolium*; 3. Prairie Wild Rye, *Elymus canadensis*; 4. Purple Top, *Tridens flavus*; 5. Virginia Wild Rye, *Elymus virginicus*; 6. Plains Bristlegrass, *Setaria vulpiseta*.
- (JJ) Midiron Bermuda
  Cynodon dactylon 'Midiron'
  sod, pinned on slopes greater than 6:1.
- (KK) Harbor Dwarf Nandina
  Nandina domestica 'Harbor Dwarf'
  15 gal., 3' ht., 36" o.c.
- (LL) Dwarf Chinese Holly
  Ilex cornuta 'Rotunda'
  15 gal., 3' ht., 36" o.c.
- (MM) Creeping Fig
  Ficus Pumila
  1 gal., staggered 18"-24" o.c.
- (NN) Mondo Grass
  Ophiopogon japonicus
  4" pot, max. 8" o.c., diamond pattern.

PLANTING NOTES:

1. All tree locations that are shown shall be staked by the Landscape Contractor and the stakes approved in writing by the town of Addison and Landscape Architect, prior to any tree planting.
2. Any and all tree plantings shall not be planted less than five feet (clear) to the back of the pond edge walls.
3. See planting detail (1/L1-22) for special staking detail for tree plantings located on the islands.
4. Civil information for reference only. Verify actual location of utilities with Civil drawings.
5. All undimensioned trees for contractor to stake.
6. Contractor to provide aeration, pruning, and fertilization of preserved live oaks by an ISA certified arborist prior to construction around the trees.
7. Landscape contractor's scope of work to begin at finished grade minus 4".

REGISTERED LANDSCAPE ARCHITECT KEVIN W. SLOAN 2296 STATE OF TEXAS

NO.	REVISION	BY	DATE

TOWN OF ADDISON
DALLAS COUNTY, TEXAS

PARK AND STREETSCAPE IMPROVEMENTS
VITRUVIAN PARK

VITRUVIAN WAY, PLANTING PLAN - TREES

KEVIN SLOAN STUDIO
4145 Travis, Suite 105
Dallas, Texas 75204 (214) 379-1061

PROJECT	DESIGN	DRAWN	DATE	FILE	SHEET
5029-01	KWS	JP	APR 26, 2010	PW # 2009-04	L10-01

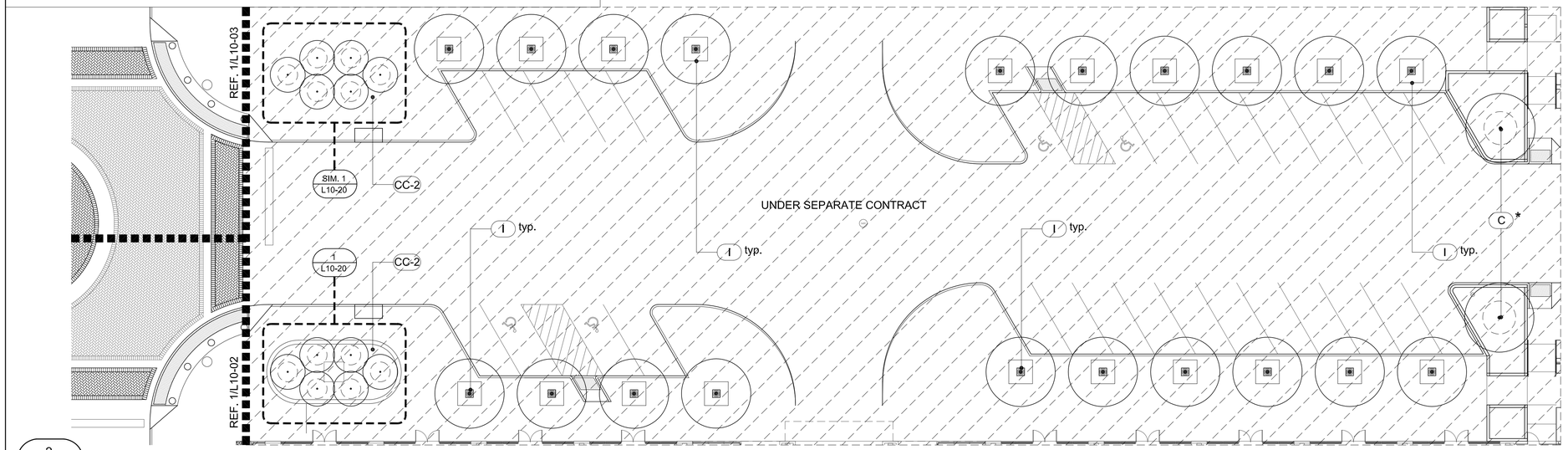
PARK AND STREETSCAPE IMPROVEMENTS - VITRUVIAN PARK

PLANT QUANTITIES

(I) (20) Bald Cypress
Taxodium distichum
4" cal, container matched.

(CC-2) (12) Natchez Crape Myrtle
Lagerstroemia indica 'Natchez'
10'-12' ht., multi trunk, 3-5 canes, matched for height.

NOTE: ALL tree locations that are shown shall be staked by the Landscape Contractor and the locations of the stakes approved in writing by the town of Addison and Landscape Architect, prior to any tree planting.

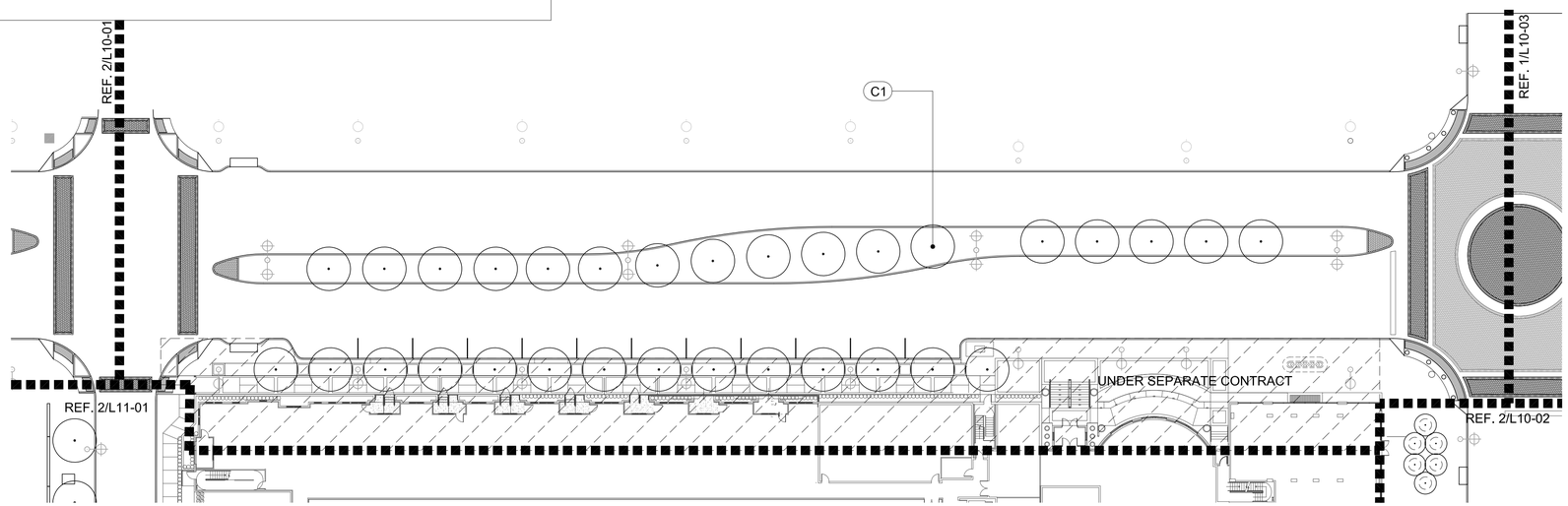


2
L10-02
Ponte Avenue, Planting Plan - Trees

MEDIAN PLANT QUANTITIES

(C1) (17) Live Oak, 'High Rise'
Quercus virginiana, 'QVTIA'
4" cal, single trunk, container matched.

NOTE: ALL tree locations that are shown shall be staked by the Landscape Contractor and the locations of the stakes approved in writing by the town of Addison and Landscape Architect, prior to any tree planting.



1
L10-02
Vitruvian Way, Planting Plan - Trees

PLANTING LEGEND

- (A) Existing Tree to remain
  Reference specifications for existing tree protection and treatment.
- (B) Preserved Live Oak
  Quercus virginiana
  On-site, field dug specimen, requires 168" tree spade to move, LA to select and place. Ref. to "Tree Preservation Area Legend & Notes" (Inset on sheets L11-03, L11-04, L11-05 & L11-08) for number suffix.
- (C) Live Oak
  Quercus virginiana
  4" cal, single trunk, container grown.
- (C1) Live Oak, 'High Rise'
  Quercus virginiana, 'QVTIA'
  4" cal, single trunk, container grown.
- (D) NOT USED.
- (E) NOT USED.
- (F) Red Oak
  Quercus texana
  4" cal, container grown.
- (G) Shumard Oak
  Quercus shumardii
  4" cal, container grown.
- (H) Chinkapin Oak
  Quercus muhlenbergii
  4" cal, container grown.
- (I) Bald Cypress
  Taxodium distichum
  4" cal, container grown.
- (J) Pond Cypress
  Taxodium ascendens
  4" cal, container grown.
- (K) Texas Ash
  Fraxinus texensis
  4" cal, container grown.
- (L) Lacebark Elm
  Ulmus parvifolia
  4" caliper, container grown.
- (M) River Birch
  Betula nigra
  12-14' ht., 3-5 canes each, B&B.
- (AA) NOT USED.
- (BB) Savannah Holly
  Ilex opaca x attenuata 'Savannah'
  4" cal, single trunk, 12' ht, tree form, container grown.
- (CC) Natchez Crape Myrtle
  Lagerstroemia indica 'Natchez'
  12'-14' ht, multi trunk, 3-5 canes, grown for height.
- (CC-2) Natchez Crape Myrtle
  Lagerstroemia indica 'Natchez'
  10'-12' ht, multi trunk, 3-5 canes, grown for height.
- (DD) Oklahoma Redbud
  Cercis canadensis 'Oklahoma'
  3"-3 ½" cal, 8' ht, container grown
- (EE) Weeping Love Grass
  Eragrostis curvula
- (FF) Vitex
  Vitex agnus-castus
  65 gal, 10' ht, container, grown for height.
- (GG) Asian Jasmine
  Trachelospermum asiaticum
  1 gal, plant 18" o.c.
- (HH) Horsetail Reed
  Equisetum hyemale
  1 gal, plant 18" o.c.
- (II) Grass Mix for Hydromulch
  Reference specifications for percentage of each seed for mixture: 1. Sideoats Grama, *Bouteloua curtipendula*; 2. Inland Sea Oats, *Chasmanthium latifolium*; 3. Prairie Wild Rye, *Elymus canadensis*; 4. Purple Top, *Tridens flavus*; 5. Virginia Wild Rye, *Elymus virginicus*; 6. Plains Bristlegrass, *Setaria vulpiseta*.
- (JJ) Midiron Bermuda
  Cynodon dactylon 'Midiron'
  sod, pinned on slopes greater than 6:1.
- (KK) Harbor Dwarf Nandina
  Nandina domestica 'Harbor Dwarf'
  15 gal., 3' ht., 36" o.c.
- (LL) Dwarf Chinese Holly
  Ilex cornuta 'Rotunda'
  15 gal., 3' ht., 36" o.c.
- (MM) Creeping Fig
  Ficus Pumila
  1 gal., staggered 18"-24" o.c.
- (NN) Mondo Grass
  Ophiopogon japonicus
  4" pot, max. 8" o.c., diamond pattern.

PLANTING NOTES:

1. All tree locations that are shown shall be staked by the Landscape Contractor and the stakes approved in writing by the town of Addison and Landscape Architect, prior to any tree planting.
2. Any and all tree plantings shall not be planted less than five feet (clear) to the back of the pond edge walls.
3. See planting detail (1/L1-22) for special staking detail for tree plantings located on the islands.
4. Civil information for reference only. Verify actual location of utilities with Civil drawings.
5. All undimensioned trees for contractor to stake.
6. Contractor to provide aeration, pruning, and fertilization of preserved live oaks by an ISA certified arborist prior to construction around the trees.
7. Landscape contractor's scope of work to begin at finished grade minus 4".

REGISTERED LANDSCAPE ARCHITECT
KEVIN W. SLOAN
2296
STATE OF TEXAS

NO.	REVISION	BY	DATE

Addison
TOWN OF ADDISON
DALLAS COUNTY, TEXAS

PARK AND STREETSCAPE IMPROVEMENTS
VITRUVIAN PARK

VITRUVIAN WAY & PONTE AVENUE PLANTING PLAN - TREES

KEVIN SLOAN STUDIO
4145 Travis, Suite 105
Dallas, Texas 75204 (214) 379-1061

PROJECT	DESIGN	DRAWN	DATE	FILE	SHEET
5029-01	KWS	JP	APR 26, 2010	PW # 2009-04	L10-02

PARK AND STREETSCAPE IMPROVEMENTS - VITRUVIAN PARK

PLANT QUANTITIES

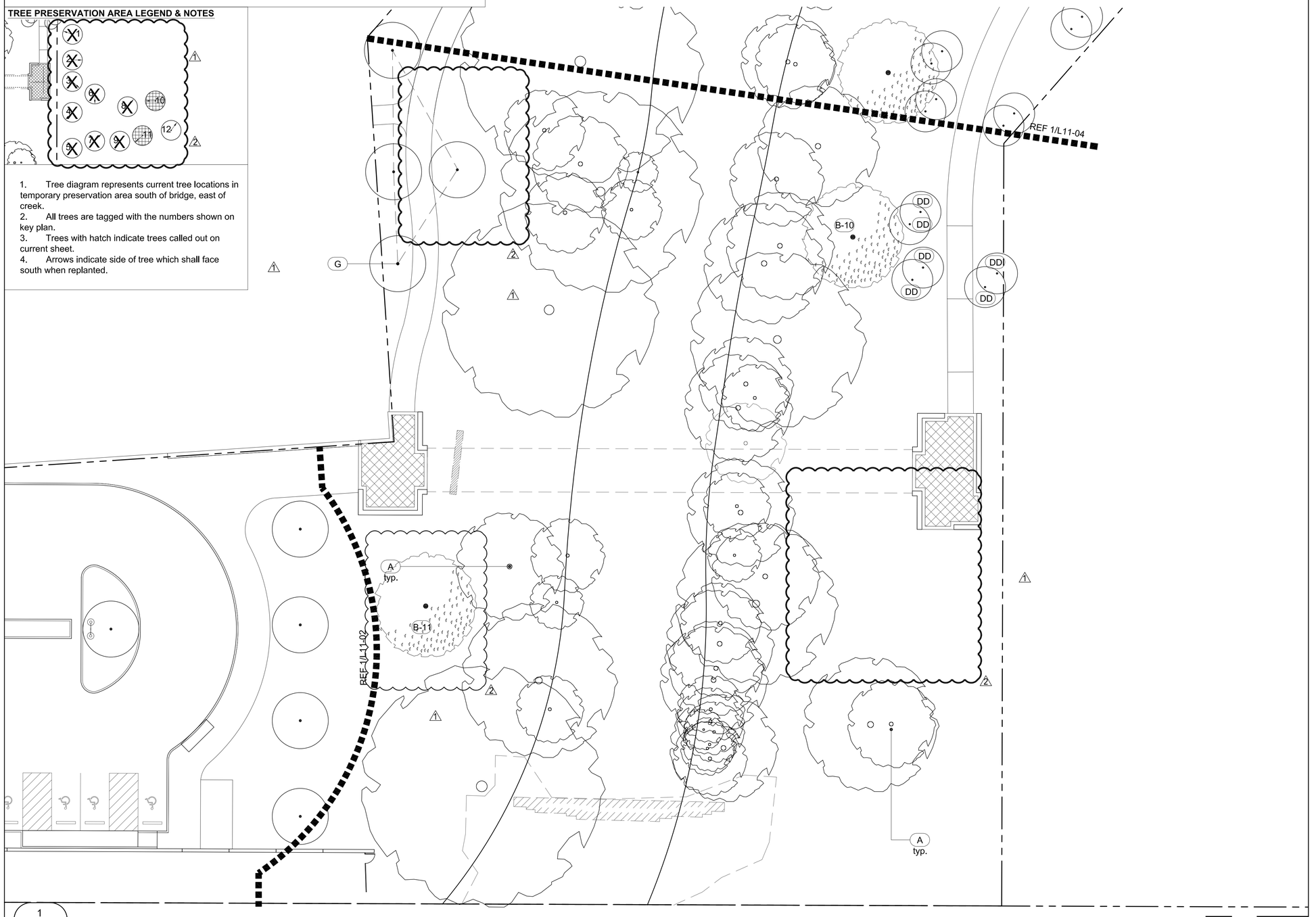
G (4) Shumard Oak
Quercus shumardii
4" cal, B&B.

DD (6) Oklahoma Redbud
Cercis canadensis 'Oklahoma'
3"-3 ½" cal, 8' ht, B&B.

NOTE: ALL tree locations that are shown shall be staked by the Landscape Contractor and the locations of the stakes approved in writing by the town of Addison and Landscape Architect, prior to any tree planting.

TREE PRESERVATION AREA LEGEND & NOTES

1. Tree diagram represents current tree locations in temporary preservation area south of bridge, east of creek.
2. All trees are tagged with the numbers shown on key plan.
3. Trees with hatch indicate trees called out on current sheet.
4. Arrows indicate side of tree which shall face south when replanted.



1 L11-03 Southern Park Area - A, Planting Plan - Trees

PLANTING LEGEND

- A — Existing Tree to remain. Reference specifications for existing tree protection and treatment.
- B — Preserved Live Oak. *Quercus virginiana*. On-site, field dug specimen, requires 168" tree spade to move, LA to select and place. Ref. to "Tree Preservation Area Legend & Notes" (Inset on sheets L11-03, L11-04, L11-05 & L11-08) for number suffix.
- C — Live Oak. *Quercus virginiana*. 4" cal, single trunk, container grown.
- C1 — Live Oak, 'High Rise'. *Quercus virginiana, 'QVTIA'*. 4" cal, single trunk, container grown.
- D — NOT USED.
- E — NOT USED.
- F — Red Oak. *Quercus texana*. 4" cal, container grown.
- G — Shumard Oak. *Quercus shumardii*. 4" cal, container grown.
- H — Chinkapin Oak. *Quercus muhlenbergii*. 4" cal, container grown.
- I — Bald Cypress. *Taxodium distichum*. 4" cal, container grown.
- J — Pond Cypress. *Taxodium ascendens*. 4" cal, container grown.
- K — Texas Ash. *Fraxinus texensis*. 4" cal, container grown.
- L — Lacebark Elm. *Ulmus parvifolia*. 4" caliper, container grown.
- M — River Birch. *Betula nigra*. 12-14' ht., 3-5 canes each, B&B.
- AA — NOT USED.
- BB — Savannah Holly. *Ilex opaca x attenuata 'Savannah'*. 4" cal, single trunk, 12' ht, tree form, container grown.
- CC — Natchez Crape Myrtle. *Lagerstroemia indica 'Natchez'*. 12'-14' ht, multi trunk, 3-5 canes, grown for height.
- CC-2 — Natchez Crape Myrtle. *Lagerstroemia indica 'Natchez'*. 10-12' ht, multi trunk, 3-5 canes, grown for height.
- DD — Oklahoma Redbud. *Cercis canadensis 'Oklahoma'*. 3"-3 ½" cal, 8' ht, container grown
- EE — Weeping Love Grass. Eragrostis curvula
- FF — Vitex. *Vitex agnus-castus*. 65 gal, 10' ht, container, grown for height.
- GG — Asian Jasmine. *Trachelospermum asiaticum*. 1 gal, plant 18" o.c.
- HH — Horsetail Reed. *Equisetum hyemale*. 1 gal, plant 18" o.c.
- II — Grass Mix for Hydromulch. Reference specifications for percentage of each seed for mixture: 1. Sideoats Grama, *Bouteloua curtipendula*; 2. Inland Sea Oats, *Chasmanthium latifolium*; 3. Prairie Wild Rye, *Elymus canadensis*; 4. Purple Top, *Tridens flavus*; 5. Virginia Wild Rye, *Elymus virginicus*; 6. Plains Bristlegrass, *Setaria vulpiseta*.
- JJ — Midiron Bermuda. *Cynodon dactylon* 'Midiron' sod, pinned on slopes greater than 6:1.
- KK — Harbor Dwarf Nandina. *Nandina domestica* 'Harbor Dwarf' 15 gal., 3' ht., 36" o.c.
- LL — Dwarf Chinese Holly. *Ilex cornuta 'Rotunda'*. 15 gal., 3' ht., 36" o.c.
- MM — Creeping Fig. *Ficus Pumila*. 1 gal., staggered 18"-24" o.c.
- NN — Mondo Grass. *Ophiopogon japonicus*. 4" pot, max. 8" o.c., diamond pattern.

PLANTING NOTES:

1. All tree locations that are shown shall be staked by the Landscape Contractor and the stakes approved in writing by the town of Addison and Landscape Architect, prior to any tree planting.
2. Any and all tree plantings shall not be planted less than five feet (clear) to the back of the pond edge walls.
3. See planting detail (1/L1-22) for special staking detail for tree plantings located on the islands.
4. Civil information for reference only. Verify actual location of utilities with Civil drawings.
5. All undimensioned trees for contractor to stake.
6. Contractor to provide aeration, pruning, and fertilization of preserved live oaks by an ISA certified arborist prior to construction around the trees.
7. Landscape contractor's scope of work to begin at finished grade minus 4".

NO.	REVISION	BY	DATE
1	PRESERVED TREE REVISION	KSS	8/20/10
2	PLANTING REVISIONS	KSS	2/14/11

TOWN OF ADDISON
DALLAS COUNTY, TEXAS

PARK AND STREETSCAPE IMPROVEMENTS
VITRUVIAN PARK

SOUTHERN PARK AREA -A PLANTING PLAN - TREES

KEVIN SLOAN STUDIO
2400 Empire Central, Suite F
Dallas, Texas 75235 (214) 459-1784

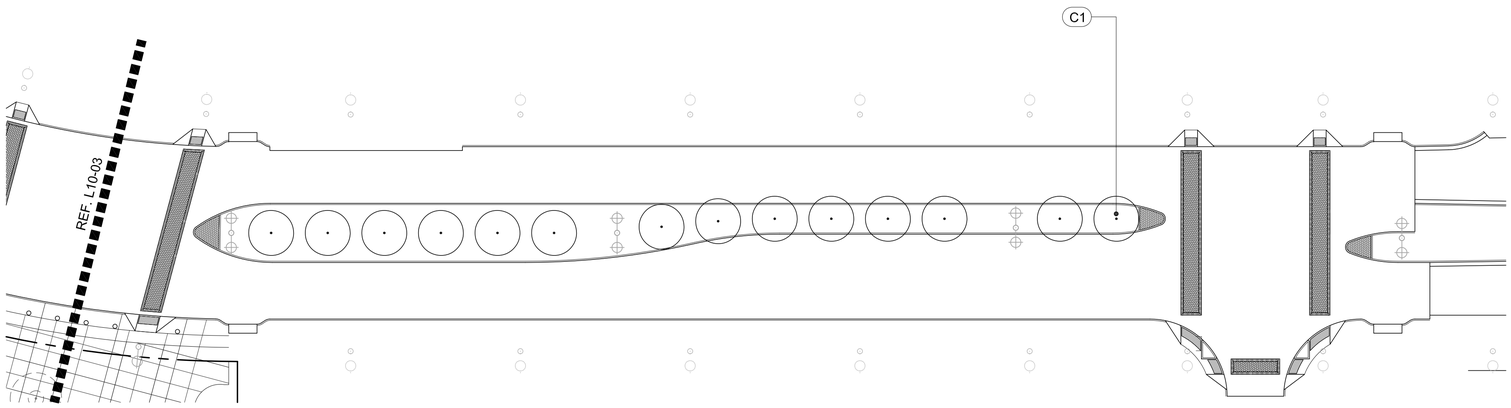
PROJECT	DESIGN	DRAWN	DATE	FILE	SHEET
5029-01	KWS	JP	APR 26, 2010	PW # 2009-04	L11-03

PARK AND STREETSCAPE IMPROVEMENTS - VITRUVIAN PARK

PLANT QUANTITIES

C1 (14) Live Oak, 'High Rise'
Quercus virginiana, 'QVTIA'
4" cal, single trunk, container matched.

NOTE: ALL tree locations that are shown shall be staked by the Landscape Contractor and the locations of the stakes approved in writing by the town of Addison and Landscape Architect, prior to any tree planting.



0' 15' 30' 60'

1
L10-04 Vitruvian Way, Planting Plan - Trees

PLANTING LEGEND

- A — Existing Tree to remain
  Reference specifications for existing tree protection and treatment.
- B — Preserved Live Oak
  Quercus virginiana
  On-site, field dug specimen, requires 168" tree spade to move, LA to select and place. Ref. to "Tree Preservation Area Legend & Notes" (Inset on sheets L11-03, L11-04, L11-05 & L11-08) for number suffix.
- C — Live Oak
  Quercus virginiana
  4" cal, single trunk, container grown.
- C1 — Live Oak, 'High Rise'
  Quercus virginiana, 'QVTIA'
  4" cal, single trunk, container grown.
- D — NOT USED.
- E — NOT USED.
- F — Red Oak
  Quercus texana
  4" cal, container grown.
- G — Shumard Oak
  Quercus shumardii
  4" cal, container grown.
- H — Chinkapin Oak
  Quercus muhlenbergii
  4" cal, container grown.
- I — Bald Cypress
  Taxodium distichum
  4" cal, container grown.
- J — Pond Cypress
  Taxodium ascendens
  4" cal, container grown,
- K — Texas Ash
  Fraxinus texensis
  4" cal, container grown.
- L — Lacebark Elm
  Ulmus parvifolia
  4" caliper, container grown.
- M — River Birch
  Betula nigra
  12-14' ht,, 3-5 canes each, B&B.
- AA — NOT USED.
- BB — Savannah Holly
  Ilex opaca x attenuata 'Savannah'
  4" cal, single trunk, 12' ht, tree form, container grown.
- CC — Natchez Crape Myrtle
  Lagerstroemia indica 'Natchez'
  12'-14' ht, multi trunk, 3-5 canes, grown for height.
- CC-2 — Natchez Crape Myrtle
  Lagerstroemia indica 'Natchez'
  10'-12' ht, multi trunk, 3-5 canes, grown for height.
- DD — Oklahoma Redbud
  Cercis canadensis 'Oklahoma'
  3"-3 ½" cal, 8' ht, container grown
- EE — Weeping Love Grass
  Eragrostis curvula
- FF — Vitex
  Vitex agnus-castus
  65 gal, 10' ht, container, grown for height.
- GG — Asian Jasmine
  Trachelospermum asiaticum
  1 gal, plant 18" o.c.
- HH — Horsetail Reed
  Equisetum hyemale
  1 gal, plant 18" o.c.
- II — Grass Mix for Hydromulch
  Reference specifications for percentage of each seed for mixture: 1. Sideoats Grama, *Bouteloua curtipendula*; 2. Inland Sea Oats, *Chasmanthium latifolium*; 3. Prairie Wild Rye, *Elymus canadensis*; 4. Purple Top, *Tridens flavus*; 5. Virginia Wild Rye, *Elymus virginicus*; 6. Plains Bristlegrass, *Setaria vulpiseta*.
- JJ — Midiron Bermuda
  Cynodon dactylon 'Midiron'
  sod, pinned on slopes greater than 6:1.
- KK — Harbor Dwarf Nandina
  Nandina domestica 'Harbor Dwarf'
  15 gal., 3' ht., 36" o.c.
- LL — Dwarf Chinese Holly
  Ilex cornuta 'Rotunda'
  15 gal., 3' ht., 36" o.c.
- MM — Creeping Fig
  Ficus Pumila
  1 gal., staggered 18"-24" o.c.
- NN — Mondo Grass
  Ophiopogon japonicus
  4" pot, max. 8" o.c., diamond pattern.

PLANTING NOTES:

1. All tree locations that are shown shall be staked by the Landscape Contractor and the stakes approved in writing by the town of Addison and Landscape Architect, prior to any tree planting.
2. Any and all tree plantings shall not be planted less than five feet (clear) to the back of the pond edge walls.
3. See planting detail (1/L1-22) for special staking detail for tree plantings located on the islands.
4. Civil information for reference only. Verify actual location of utilities with Civil drawings.
5. All undimensioned trees for contractor to stake.
6. Contractor to provide aeration, pruning, and fertilization of preserved live oaks by an ISA certified arborist prior to construction around the trees.
7. Landscape contractor's scope of work to begin at finished grade minus 4".

REGISTERED LANDSCAPE ARCHITECT
KEVIN W. SLOAN
2296
STATE OF TEXAS

NO.	REVISION	BY	DATE

Addison TOWN OF ADDISON
DALLAS COUNTY, TEXAS

PARK AND STREETSCAPE IMPROVEMENTS
VITRUVIAN PARK

VITRUVIAN WAY, PLANTING PLAN - TREES

KEVIN SLOAN STUDIO
4145 Travis, Suite 105
Dallas, Texas 75204 (214) 379-1061

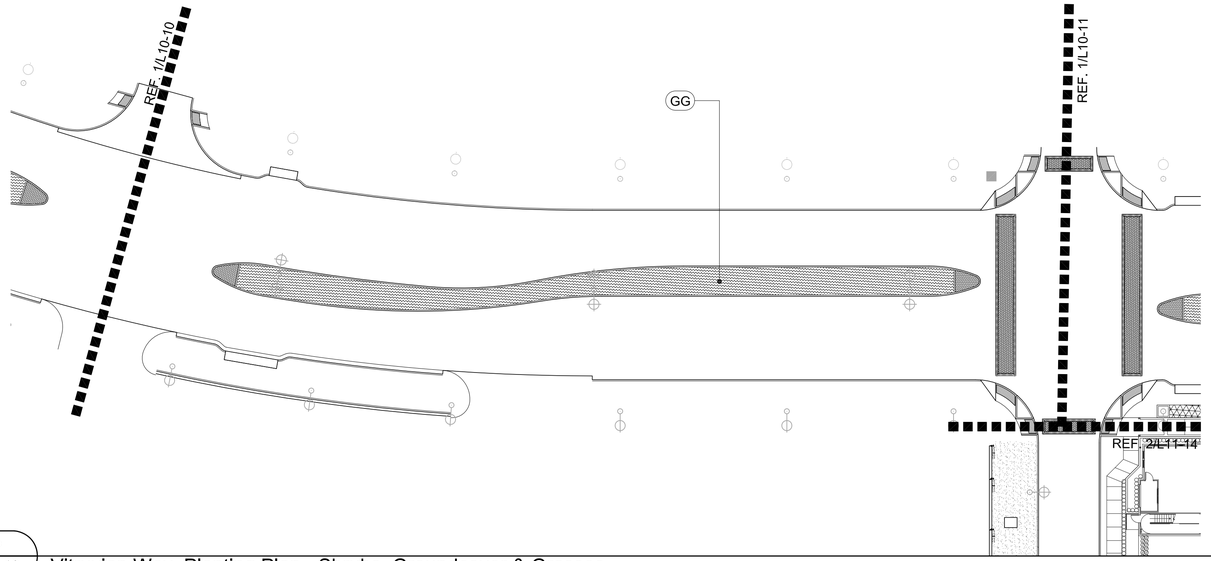
PROJECT	DESIGN	DRAWN	DATE	FILE	SHEET
5029-01	KWS	MM	APR 26, 2010	PW # 2009-04	L10-04

PARK AND STREETSCAPE IMPROVEMENTS - VITRUVIAN PARK

PLANT QUANTITIES

GG (2,855 sf.) Asian Jasmine
Trachelospermum asiaticum
1 gal, plant 18" o.c.

NOTE: ALL tree locations that are shown shall be staked by the Landscape Contractor and the locations of the stakes approved in writing by the town of Addison and Landscape Architect, prior to any tree planting.



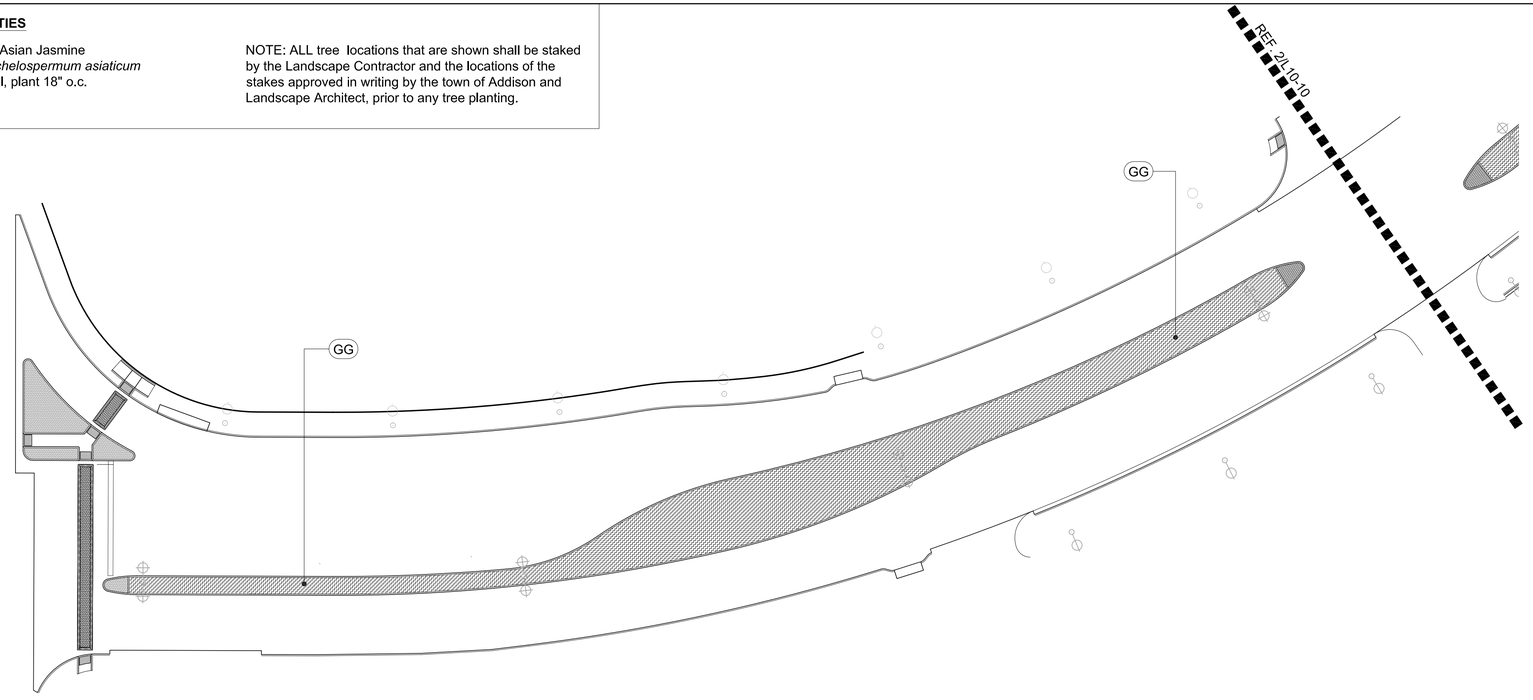
2
L10-10 Vitruvian Way, Planting Plan - Shrubs, Groundcover & Grasses

0' 15' 30' 60'

PLANT QUANTITIES

GG (4,096 sf.) Asian Jasmine
Trachelospermum asiaticum
1 gal, plant 18" o.c.

NOTE: ALL tree locations that are shown shall be staked by the Landscape Contractor and the locations of the stakes approved in writing by the town of Addison and Landscape Architect, prior to any tree planting.



1
L10-10 Vitruvian Way, Planting Plan - Shrubs, Groundcover & Grasses

0' 15' 30' 60'

PLANTING LEGEND

- A — Existing Tree to remain. Reference specifications for existing tree protection and treatment.
- B — Preserved Live Oak. *Quercus virginiana*. On-site, field dug specimen, requires 168" tree spade to move, LA to select and place. Ref. to "Tree Preservation Area Legend & Notes" (Inset on sheets L11-03, L11-04, L11-05 & L11-08) for number suffix.
- C — Live Oak. *Quercus virginiana*. 4" cal, single trunk, container grown.
- C1 — Live Oak, 'High Rise'. *Quercus virginiana, 'QVTIA'*. 4" cal, single trunk, container grown.
- D — NOT USED.
- E — NOT USED.
- F — Red Oak. *Quercus texana*. 4" cal, container grown.
- G — Shumard Oak. *Quercus shumardii*. 4" cal, container grown.
- H — Chinkapin Oak. *Quercus muhlenbergii*. 4" cal, container grown.
- I — Bald Cypress. *Taxodium distichum*. 4" cal, container grown.
- J — Pond Cypress. *Taxodium ascendens*. 4" cal, container grown.
- K — Texas Ash. *Fraxinus texensis*. 4" cal, container grown.
- L — Lacebark Elm. *Ulmus parvifolia*. 4" caliper, container grown.
- M — River Birch. *Betula nigra*. 12-14' ht., 3-5 canes each, B&B.
- AA — NOT USED.
- BB — Savannah Holly. *Ilex opaca x attenuata 'Savannah'*. 4" cal, single trunk, 12' ht, tree form, container grown.
- CC — Natchez Crape Myrtle. *Lagerstroemia indica 'Natchez'*. 12'-14' ht, multi trunk, 3-5 canes, grown for height.
- CC-2 — Natchez Crape Myrtle. *Lagerstroemia indica 'Natchez'*. 10-12' ht, multi trunk, 3-5 canes, grown for height.
- DD — Oklahoma Redbud. *Cercis canadensis 'Oklahoma'*. 3"-3 ½" cal, 8' ht, container grown
- EE — Weeping Love Grass. Eragrostis curvula
- FF — Vitex. *Vitex agnus-castus*. 65 gal, 10' ht, container, grown for height.
- GG — Asian Jasmine. *Trachelospermum asiaticum*. 1 gal, plant 18" o.c.
- HH — Horsetail Reed. *Equisetum hyemale*. 1 gal, plant 18" o.c.
- II — Grass Mix for Hydromulch. Reference specifications for percentage of each seed for mixture: 1. Sideoats Grama, *Bouteloua curtipendula*; 2. Inland Sea Oats, *Chasmanthium latifolium*; 3. Prairie Wild Rye, *Elymus canadensis*; 4. Purple Top, *Tridens flavus*; 5. Virginia Wild Rye, *Elymus virginicus*; 6. Plains Bristlegrass, *Setaria vulpiseta*.
- JJ — Midiron Bermuda. *Cynodon dactylon* 'Midiron' sod, pinned on slopes greater than 6:1.
- KK — Harbor Dwarf Nandina. *Nandina domestica* 'Harbor Dwarf' 15 gal., 3' ht., 36" o.c.
- LL — Dwarf Chinese Holly. *Ilex cornuta 'Rotunda'*. 15 gal., 3' ht., 36" o.c.
- MM — Creeping Fig. *Ficus Pumila*. 1 gal., staggered 18"-24" o.c.
- NN — Mondo Grass. *Ophiopogon japonicus*. 4" pot, max. 8" o.c., diamond pattern.

PLANTING NOTES:

1. All tree locations that are shown shall be staked by the Landscape Contractor and the stakes approved in writing by the town of Addison and Landscape Architect, prior to any tree planting.
2. Any and all tree plantings shall not be planted less than five feet (clear) to the back of the pond edge walls.
3. See planting detail (1/L1-22) for special staking detail for tree plantings located on the islands.
4. Civil information for reference only. Verify actual location of utilities with Civil drawings.
5. All undimensioned trees for contractor to stake.
6. Contractor to provide aeration, pruning, and fertilization of preserved live oaks by an ISA certified arborist prior to construction around the trees.
7. Landscape contractor's scope of work to begin at finished grade minus 4".

REGISTERED LANDSCAPE ARCHITECT · KEVIN W. SLOAN · 2296 · STATE OF TEXAS

NO.	REVISION	BY	DATE

TOWN OF ADDISON
DALLAS COUNTY, TEXAS

PARK AND STREETSCAPE IMPROVEMENTS
VITRUVIAN PARK

VITRUVIAN WAY, PLANTING PLAN - SHRUBS,GROUNDCOVER & GRASSES

KEVIN SLOAN STUDIO
4145 Travis, Suite 105
Dallas, Texas 75204 (214) 379-1061

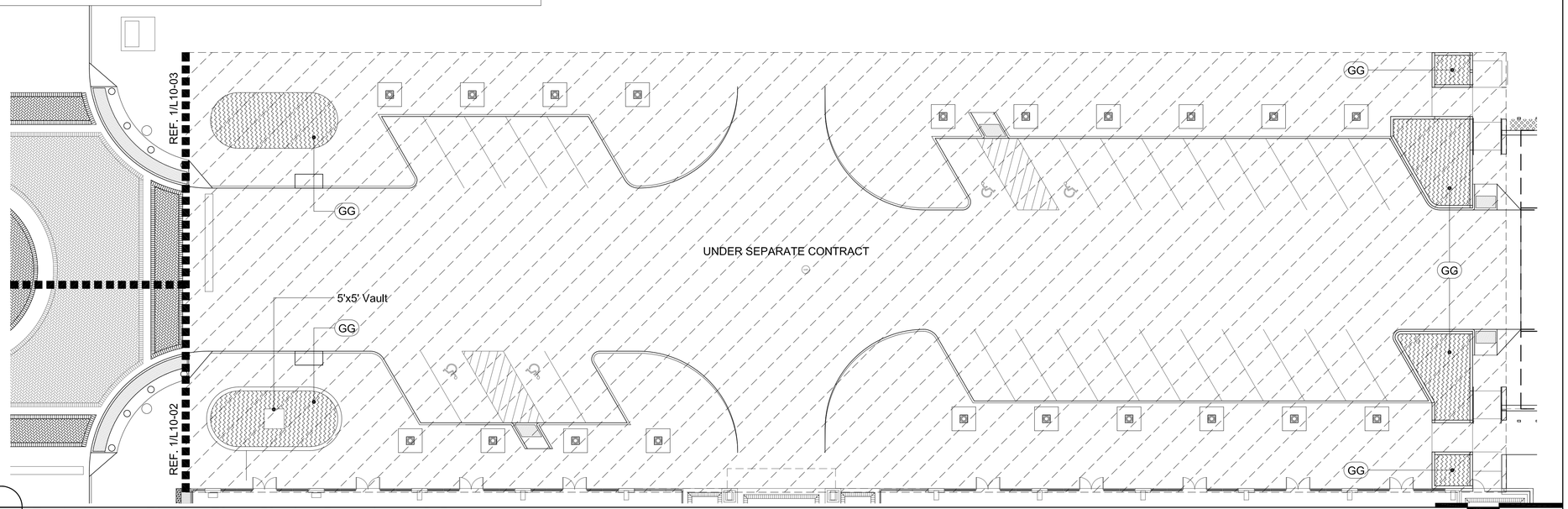
PROJECT	DESIGN	DRAWN	DATE	FILE	SHEET
5029-01	KWS	JP	APR 26, 2010	PW # 2009-04	L10-10

PARK AND STREETSCAPE IMPROVEMENTS - VITRUVIAN PARK

PLANT QUANTITIES

GG (812 sf.) Asian Jasmine
Trachelospermum asiaticum
4" pot., max 8" o.c., diamond pattern.

NOTE: ALL tree locations that are shown shall be staked by the Landscape Contractor and the locations of the stakes approved in writing by the town of Addison and Landscape Architect, prior to any tree planting.

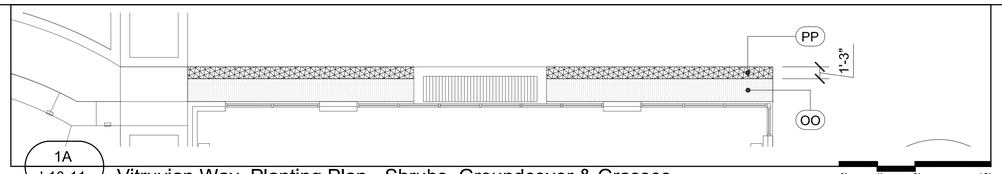


2
L10-11
Ponte Avenue, Planting Plan - Shrubs, Groundcover & Grasses

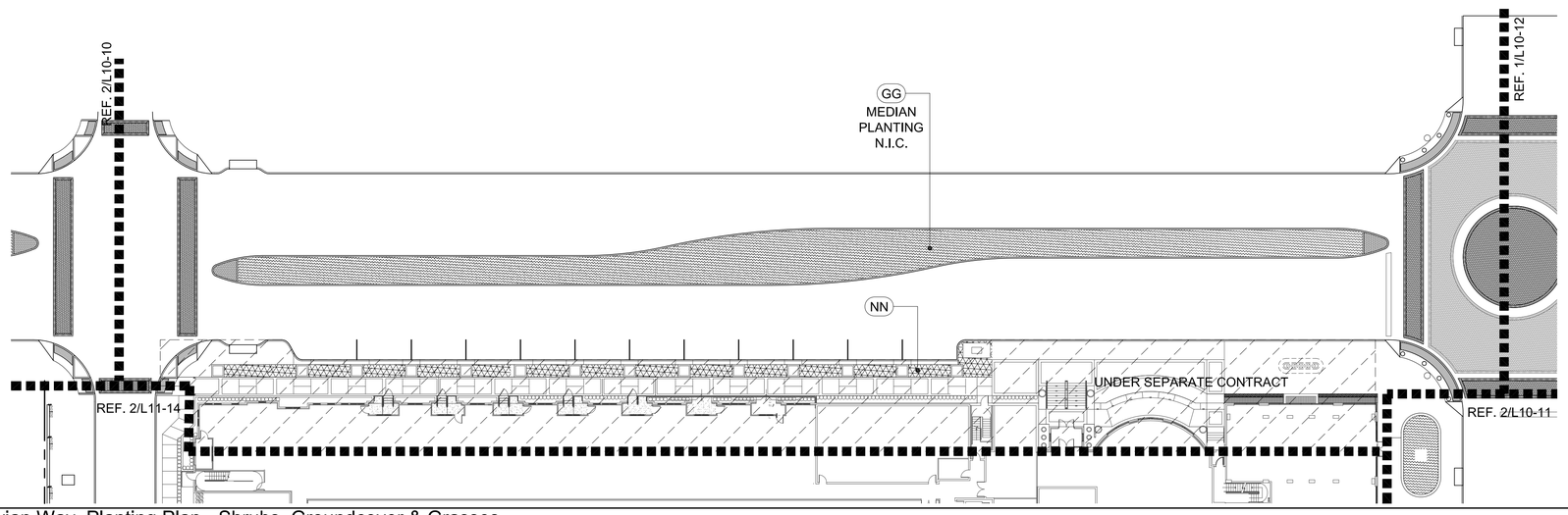
PLANT QUANTITIES

GG (7,029 sf.) Asian Jasmine
Trachelospermum asiaticum
1 gal, plant 18" o.c.

NOTE: ALL tree locations that are shown shall be staked by the Landscape Contractor and the locations of the stakes approved in writing by the town of Addison and Landscape Architect, prior to any tree planting.



1A
L10-11
Vitruvian Way, Planting Plan - Shrubs, Groundcover & Grasses



1
L10-11
Vitruvian Way, Planting Plan - Shrubs, Groundcover & Grasses

PLANTING LEGEND

- A — Existing Tree to remain
  Reference specifications for existing tree protection and treatment.
- B — Preserved Live Oak
  Quercus virginiana
  On-site, field dug specimen, requires 168" tree spade to move, LA to select and place. Ref. to "Tree Preservation Area Legend & Notes" (Inset on sheets L11-03, L11-04, L11-05 & L11-08) for number suffix.
- C — Live Oak
  Quercus virginiana
  4" cal, single trunk, container grown.
- C1 — Live Oak, 'High Rise'
  Quercus virginiana, 'QVTIA'
  4" cal, single trunk, container grown.
- D — NOT USED.
- E — NOT USED.
- F — Red Oak
  Quercus texana
  4" cal, container grown.
- G — Shumard Oak
  Quercus shumardii
  4" cal, container grown.
- H — Chinkapin Oak
  Quercus muhlenbergii
  4" cal, container grown.
- I — Bald Cypress
  Taxodium distichum
  4" cal, container grown.
- J — Pond Cypress
  Taxodium ascendens
  4" cal, container grown.
- K — Texas Ash
  Fraxinus texensis
  4" cal, container grown.
- L — Lacebark Elm
  Ulmus parvifolia
  4" caliper, container grown.
- M — River Birch
  Betula nigra
  12-14' ht., 3-5 canes each, B&B.
- AA — NOT USED.
- BB — Savannah Holly
  Ilex opaca x attenuata 'Savannah'
  4" cal, single trunk, 12' ht, tree form, container grown.
- CC — Natchez Crape Myrtle
  Lagerstroemia indica 'Natchez'
  12'-14' ht, multi trunk, 3-5 canes, grown for height.
- CC-2 — Natchez Crape Myrtle
  Lagerstroemia indica 'Natchez'
  10'-12' ht, multi trunk, 3-5 canes, grown for height.
- DD — Oklahoma Redbud
  Cercis canadensis 'Oklahoma'
  3"-3 ½" cal, 8' ht, container grown
- EE — Weeping Love Grass
  Eragrostis curvula
- FF — Vitex
  Vitex agnus-castus
  65 gal, 10' ht, container, grown for height.
- GG — Asian Jasmine
  Trachelospermum asiaticum
  1 gal, plant 18" o.c.
- HH — Horsetail Reed
  Equisetum hyemale
  1 gal, plant 18" o.c.
- II — Grass Mix for Hydromulch
  Reference specifications for percentage of each seed for mixture: 1. Sideoats Grama, *Bouteloua curtipendula*; 2. Inland Sea Oats, *Chasmanthium latifolium*; 3. Prairie Wild Rye, *Elymus canadensis*; 4. Purple Top, *Tridens flavus*; 5. Virginia Wild Rye, *Elymus virginicus*; 6. Plains Bristlegrass, *Setaria vulpiseta*.
- JJ — Midiron Bermuda
  Cynodon dactylon 'Midiron'
  sod, pinned on slopes greater than 6:1.
- KK — Harbor Dwarf Nandina
  Nandina domestica 'Harbor Dwarf'
  15 gal., 3' ht., 36" o.c.
- LL — Dwarf Chinese Holly
  Ilex cornuta 'Rotunda'
  15 gal., 3' ht., 36" o.c.
- MM — Creeping Fig
  Ficus Pumila
  1 gal., staggered 18"-24" o.c.
- NN — Mondo Grass
  Ophiopogon japonicus
  4" pot, max. 8" o.c., diamond pattern.

PLANTING NOTES:

1. All tree locations that are shown shall be staked by the Landscape Contractor and the stakes approved in writing by the town of Addison and Landscape Architect, prior to any tree planting.
2. Any and all tree plantings shall not be planted less than five feet (clear) to the back of the pond edge walls.
3. See planting detail (1/L1-22) for special staking detail for tree plantings located on the islands.
4. Civil information for reference only. Verify actual location of utilities with Civil drawings.
5. All undimensioned trees for contractor to stake.
6. Contractor to provide aeration, pruning, and fertilization of preserved live oaks by an ISA certified arborist prior to construction around the trees.
7. Landscape contractor's scope of work to begin at finished grade minus 4".

REGISTERED LANDSCAPE ARCHITECT
KEVIN W. SLOAN
2296
STATE OF TEXAS

NO.	REVISION	BY	DATE

TOWN OF ADDISON
DALLAS COUNTY, TEXAS

PARK AND STREETSCAPE IMPROVEMENTS
VITRUVIAN PARK

VITRUVIAN WAY & PONTE AVENUE PLANTING PLAN - SHRUBS,GROUNDCOVER & GRASSES

KEVIN SLOAN STUDIO
4145 Travis, Suite 105
Dallas, Texas 75204 (214) 379-1061

PROJECT	DESIGN	DRAWN	DATE	FILE	SHEET
5029-01	KWS	JP	APR 26, 2010	PW # 2009-04	L10-11

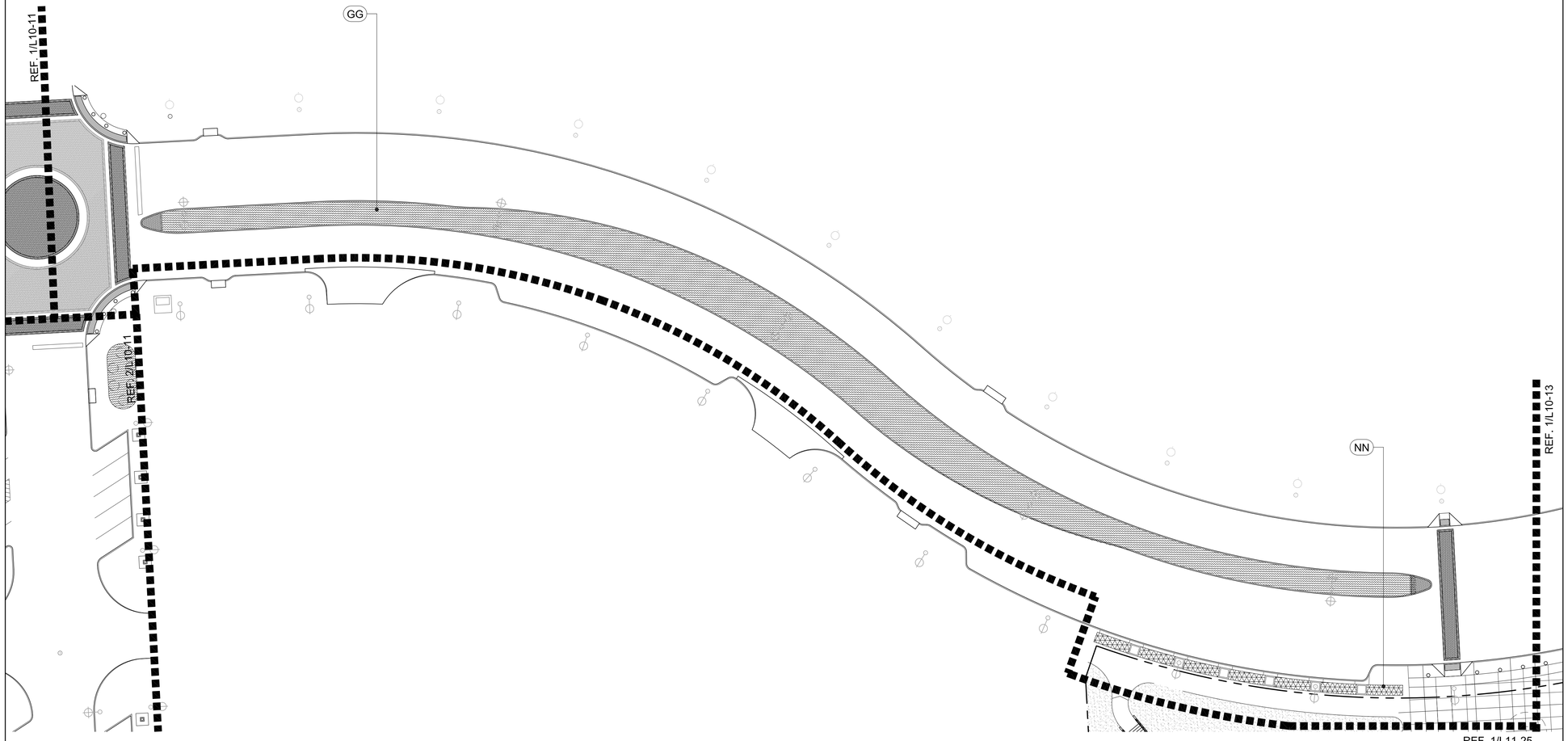
PARK AND STREETSCAPE IMPROVEMENTS - VITRUVIAN PARK

PLANT QUANTITIES

GG (10,732 sf.) Asian Jasmine
Trachelospermum asiaticum
1 gal, plant 18" o.c.

NN (624 sf.) Mondo Grass
Ophiopogon japonicus
4" pot., max 8" o.c., diamond pattern.

NOTE: ALL tree locations that are shown shall be staked by the Landscape Contractor and the locations of the stakes approved in writing by the town of Addison and Landscape Architect, prior to any tree planting.



1
L10-12
Vitruvian Way, Planting Plan - Shrubs, Groundcover & Grasses

PLANTING LEGEND

- A — Existing Tree to remain. Reference specifications for existing tree protection and treatment.
- B — Preserved Live Oak. *Quercus virginiana*. On-site, field dug specimen, requires 168" tree spade to move, LA to select and place. Ref. to "Tree Preservation Area Legend & Notes" (Inset on sheets L11-03, L11-04, L11-05 & L11-08) for number suffix.
- C — Live Oak. *Quercus virginiana*. 4" cal, single trunk, container grown.
- C1 — Live Oak, 'High Rise'. *Quercus virginiana, 'QVTIA'*. 4" cal, single trunk, container grown.
- D — NOT USED.
- E — NOT USED.
- F — Red Oak. *Quercus texana*. 4" cal, container grown.
- G — Shumard Oak. *Quercus shumardii*. 4" cal, container grown.
- H — Chinkapin Oak. *Quercus muhlenbergii*. 4" cal, container grown.
- I — Bald Cypress. *Taxodium distichum*. 4" cal, container grown.
- J — Pond Cypress. *Taxodium ascendens*. 4" cal, container grown.
- K — Texas Ash. *Fraxinus texensis*. 4" cal, container grown.
- L — Lacebark Elm. *Ulmus parvifolia*. 4" caliper, container grown.
- M — River Birch. *Betula nigra*. 12-14' ht., 3-5 canes each, B&B.
- AA — NOT USED.
- BB — Savannah Holly. *Ilex opaca x attenuata 'Savannah'*. 4" cal, single trunk, 12' ht, tree form, container grown.
- CC — Natchez Crape Myrtle. *Lagerstroemia indica 'Natchez'*. 12'-14' ht, multi trunk, 3-5 canes, grown for height.
- CC-2 — Natchez Crape Myrtle. *Lagerstroemia indica 'Natchez'*. 10-12' ht, multi trunk, 3-5 canes, grown for height.
- DD — Oklahoma Redbud. *Cercis canadensis 'Oklahoma'*. 3"-3 ½" cal, 8' ht, container grown
- EE — Weeping Love Grass. Eragrostis curvula
- FF — Vitex. *Vitex agnus-castus*. 65 gal, 10' ht, container, grown for height.
- GG — Asian Jasmine. *Trachelospermum asiaticum*. 1 gal, plant 18" o.c.
- HH — Horsetail Reed. *Equisetum hyemale*. 1 gal, plant 18" o.c.
- II — Grass Mix for Hydromulch. Reference specifications for percentage of each seed for mixture: 1. Sideoats Grama, *Bouteloua curtipendula*; 2. Inland Sea Oats, *Chasmanthium latifolium*; 3. Prairie Wild Rye, *Elymus canadensis*; 4. Purple Top, *Tridens flavus*; 5. Virginia Wild Rye, *Elymus virginicus*; 6. Plains Bristlegrass, *Setaria vulpiseta*.
- JJ — Midiron Bermuda. *Cynodon dactylon* 'Midiron' sod, pinned on slopes greater than 6:1.
- KK — Harbor Dwarf Nandina. *Nandina domestica* 'Harbor Dwarf' 15 gal., 3' ht., 36" o.c.
- LL — Dwarf Chinese Holly. *Ilex cornuta 'Rotunda'*. 15 gal., 3' ht., 36" o.c.
- MM — Creeping Fig. *Ficus Pumila*. 1 gal., staggered 18"-24" o.c.
- NN — Mondo Grass. *Ophiopogon japonicus*. 4" pot, max. 8" o.c., diamond pattern.

PLANTING NOTES:

1. All tree locations that are shown shall be staked by the Landscape Contractor and the stakes approved in writing by the town of Addison and Landscape Architect, prior to any tree planting.
2. Any and all tree plantings shall not be planted less than five feet (clear) to the back of the pond edge walls.
3. See planting detail (1/L1-22) for special staking detail for tree plantings located on the islands.
4. Civil information for reference only. Verify actual location of utilities with Civil drawings.
5. All undimensioned trees for contractor to stake.
6. Contractor to provide aeration, pruning, and fertilization of preserved live oaks by an ISA certified arborist prior to construction around the trees.
7. Landscape contractor's scope of work to begin at finished grade minus 4".

REGISTERED LANDSCAPE ARCHITECT
KEVIN W. SLOAN
2296
STATE OF TEXAS

NO.	REVISION	BY	DATE

TOWN OF ADDISON
DALLAS COUNTY, TEXAS

PARK AND STREETSCAPE IMPROVEMENTS
VITRUVIAN PARK

VITRUVIAN WAY, PLANTING PLAN - SHRUBS,GROUNDCOVER & GRASSES

KEVIN SLOAN STUDIO
4145 Travis, Suite 105
Dallas, Texas 75204 (214) 379-1061

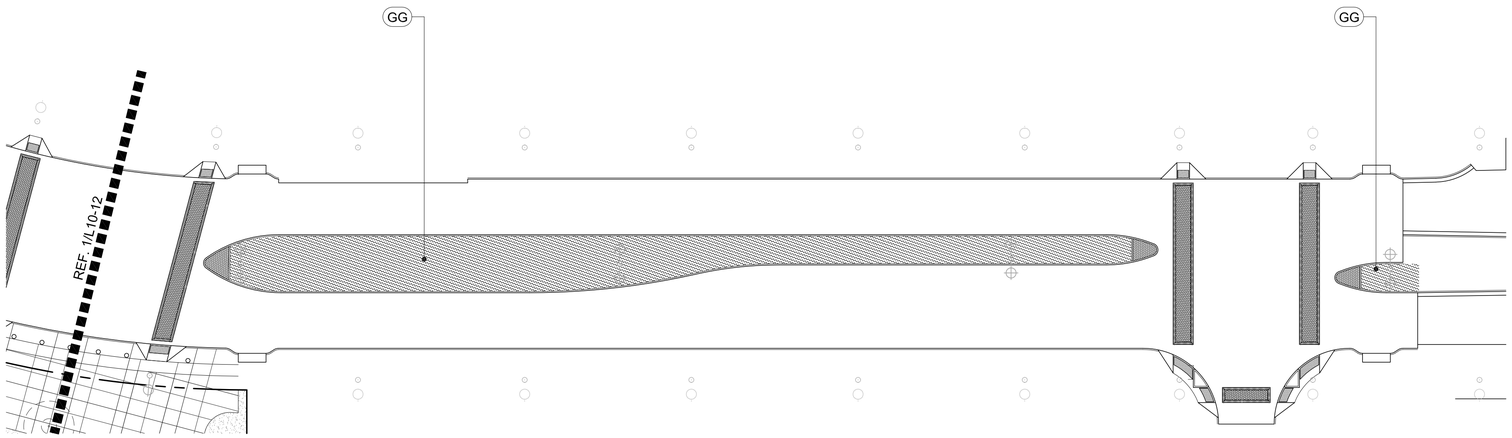
PROJECT	DESIGN	DRAWN	DATE	FILE	SHEET
5029-01	KWS	MM	APR 26, 2010	PW # 2009-04	L10-12

PARK AND STREETSCAPE IMPROVEMENTS - VITRUVIAN PARK

PLANT QUANTITIES

GG (6,194 sf.) Asian Jasmine
Trachelospermum asiaticum
1 gal, plant 18" o.c.

NOTE: ALL tree locations that are shown shall be staked by the Landscape Contractor and the locations of the stakes approved in writing by the town of Addison and Landscape Architect, prior to any tree planting.



1
L10-13 Vitruvian Way, Planting Plan - Shrubs, Groundcover & Grasses

0' 15' 30' 60'

PLANTING LEGEND

- A Existing Tree to remain
  Reference specifications for existing tree protection and treatment.
- B Preserved Live Oak
  Quercus virginiana
  On-site, field dug specimen, requires 168" tree spade to move, LA to select and place. Ref. to "Tree Preservation Area Legend & Notes" (Inset on sheets L11-03, L11-04, L11-05 & L11-08) for number suffix.
- C Live Oak
  Quercus virginiana
  4" cal, single trunk, container grown.
- C1 Live Oak, 'High Rise'
  Quercus virginiana, 'QVTIA'
  4" cal, single trunk, container grown.
- D NOT USED.
- E NOT USED.
- F Red Oak
  Quercus texana
  4" cal, container grown.
- G Shumard Oak
  Quercus shumardii
  4" cal, container grown.
- H Chinkapin Oak
  Quercus muhlenbergii
  4" cal, container grown.
- I Bald Cypress
  Taxodium distichum
  4" cal, container grown.
- J Pond Cypress
  Taxodium ascendens
  4" cal, container grown,
- K Texas Ash
  Fraxinus texensis
  4" cal, container grown.
- L Lacebark Elm
  Ulmus parvifolia
  4" caliper, container grown.
- M River Birch
  Betula nigra
  12-14' ht,, 3-5 canes each, B&B.
- AA NOT USED.
- BB Savannah Holly
  Ilex opaca x attenuata 'Savannah'
  4" cal, single trunk, 12' ht, tree form, container grown.
- CC Natchez Crape Myrtle
  Lagerstroemia indica 'Natchez'
  12'-14' ht, multi trunk, 3-5 canes, grown for height.
- CC-2 Natchez Crape Myrtle
  Lagerstroemia indica 'Natchez'
  10'-12' ht, multi trunk, 3-5 canes, grown for height.
- DD Oklahoma Redbud
  Cercis canadensis 'Oklahoma'
  3"-3 ½" cal, 8' ht, container grown
- EE Weeping Love Grass
  Eragrostis curvula
- FF Vitex
  Vitex agnus-castus
  65 gal, 10' ht, container, grown for height.
- GG Asian Jasmine
  Trachelospermum asiaticum
  1 gal, plant 18" o.c.
- HH Horsetail Reed
  Equisetum hyemale
  1 gal, plant 18" o.c.
- II Grass Mix for Hydromulch
  Reference specifications for percentage of each seed for mixture: 1. Sideoats Grama, *Bouteloua curtipendula*; 2. Inland Sea Oats, *Chasmanthium latifolium*; 3. Prairie Wild Rye, *Elymus canadensis*; 4. Purple Top, *Tridens flavus*; 5. Virginia Wild Rye, *Elymus virginicus*; 6. Plains Bristlegrass, *Setaria vulpiseta*.
- JJ Midiron Bermuda
  Cynodon dactylon 'Midiron'
  sod, pinned on slopes greater than 6:1.
- KK Harbor Dwarf Nandina
  Nandina domestica 'Harbor Dwarf'
  15 gal., 3' ht., 36" o.c.
- LL Dwarf Chinese Holly
  Ilex cornuta 'Rotunda'
  15 gal., 3' ht., 36" o.c.
- MM Creeping Fig
  Ficus Pumila
  1 gal., staggered 18"-24" o.c.
- NN Mondo Grass
  Ophiopogon japonicus
  4" pot, max. 8" o.c., diamond pattern.

PLANTING NOTES:

1. All tree locations that are shown shall be staked by the Landscape Contractor and the stakes approved in writing by the town of Addison and Landscape Architect, prior to any tree planting.
2. Any and all tree plantings shall not be planted less than five feet (clear) to the back of the pond edge walls.
3. See planting detail (1/L1-22) for special staking detail for tree plantings located on the islands.
4. Civil information for reference only. Verify actual location of utilities with Civil drawings.
5. All undimensioned trees for contractor to stake.
6. Contractor to provide aeration, pruning, and fertilization of preserved live oaks by an ISA certified arborist prior to construction around the trees.
7. Landscape contractor's scope of work to begin at finished grade minus 4".

REGISTERED LANDSCAPE ARCHITECT
KEVIN W. SLOAN
2296
STATE OF TEXAS

NO.	REVISION	BY	DATE

TOWN OF ADDISON
DALLAS COUNTY, TEXAS

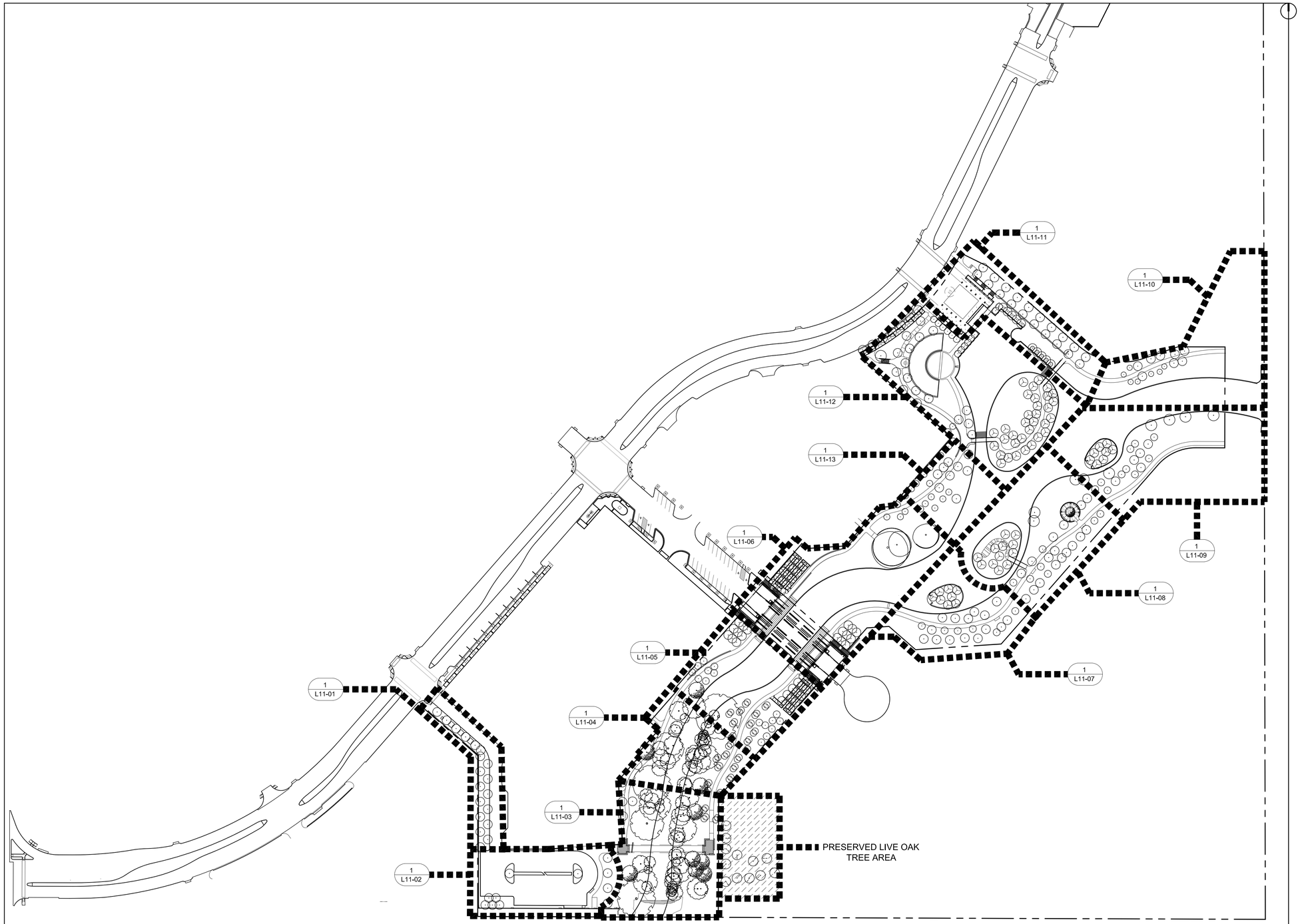
PARK AND STREETSCAPE IMPROVEMENTS
VITRUVIAN PARK

VITRUVIAN WAY, PLANTING PLAN - SHRUBS,GROUNDCOVER & GRASSES

KEVIN SLOAN STUDIO
4145 Travis, Suite 105
Dallas, Texas 75204 (214) 379-1061

PROJECT	DESIGN	DRAWN	DATE	FILE	SHEET
5029-01	KWS	MM	APR 26, 2010	PW # 2009-04	L10-13

PARK AND STREETSCAPE IMPROVEMENTS - VITRUVIAN PARK



1
L11-00 Vitruvian Park Planting Plan Cover Sheet

PLANTING LEGEND

- A — Existing Tree to remain
  Reference specifications for existing tree protection and treatment.
- B — Preserved Live Oak
  Quercus virginiana
  On-site, field dug specimen, requires 168" tree spade to move, LA to select and place. Ref. to "Tree Preservation Area Legend & Notes" (Inset on sheets L11-03, L11-04, L11-05 & L11-08) for number suffix.
- C — Live Oak
  Quercus virginiana
  4" cal, single trunk, container grown.
- C1 — Live Oak, 'High Rise'
  Quercus virginiana, 'QVTIA'
  4" cal, single trunk, container grown.
- D — NOT USED.
- E — NOT USED.
- F — Red Oak
  Quercus texana
  4" cal, container grown.
- G — Shumard Oak
  Quercus shumardii
  4" cal, container grown.
- H — Chinkapin Oak
  Quercus muhlenbergii
  4" cal, container grown.
- I — Bald Cypress
  Taxodium distichum
  4" cal, container grown.
- J — Pond Cypress
  Taxodium ascendens
  4" cal, container grown.
- K — Texas Ash
  Fraxinus texensis
  4" cal, container grown.
- L — Lacebark Elm
  Ulmus parvifolia
  4" caliper, container grown.
- M — River Birch
  Betula nigra
  12-14' ht., 3-5 canes each, B&B.
- AA — NOT USED.
- BB — Savannah Holly
  Ilex opaca x attenuata 'Savannah'
  4" cal, single trunk, 12' ht, tree form, container grown.
- CC — Natchez Crape Myrtle
  Lagerstroemia indica 'Natchez'
  12'-14' ht, multi trunk, 3-5 canes, grown for height.
- CC-2 — Natchez Crape Myrtle
  Lagerstroemia indica 'Natchez'
  10'-12' ht, multi trunk, 3-5 canes, grown for height.
- DD — Oklahoma Redbud
  Cercis canadensis 'Oklahoma'
  3"-3 ½" cal, 8' ht, container grown
- EE — Weeping Love Grass
  Eragrostis curvula
- FF — Vitex
  Vitex agnus-castus
  65 gal, 10' ht, container, grown for height.
- GG — Asian Jasmine
  Trachelospermum asiaticum
  1 gal, plant 18" o.c.
- HH — Horsetail Reed
  Equisetum hyemale
  1 gal, plant 18" o.c.
- II — Grass Mix for Hydromulch
  Reference specifications for percentage of each seed for mixture: 1. Sideoats Grama, *Bouteloua curtipendula*; 2. Inland Sea Oats, *Chasmanthium latifolium*; 3. Prairie Wild Rye, *Elymus canadensis*; 4. Purple Top, *Tridens flavus*; 5. Virginia Wild Rye, *Elymus virginicus*; 6. Plains Bristlegrass, *Setaria vulpiseta*.
- JJ — Midiron Bermuda
  Cynodon dactylon 'Midiron'
  sod, pinned on slopes greater than 6:1.
- KK — Harbor Dwarf Nandina
  Nandina domestica 'Harbor Dwarf'
  15 gal., 3' ht., 36" o.c.
- LL — Dwarf Chinese Holly
  Ilex cornuta 'Rotunda'
  15 gal., 3' ht., 36" o.c.
- MM — Creeping Fig
  Ficus Pumila
  1 gal., staggered 18"-24" o.c.
- NN — Mondo Grass
  Ophiopogon japonicus
  4" pot, max. 8" o.c., diamond pattern.

PLANTING NOTES:

1. All tree locations that are shown shall be staked by the Landscape Contractor and the stakes approved in writing by the town of Addison and Landscape Architect, prior to any tree planting.
2. Any and all tree plantings shall not be planted less than five feet (clear) to the back of the pond edge walls.
3. See planting detail (1/L1-22) for special staking detail for tree plantings located on the islands.
4. Civil information for reference only. Verify actual location of utilities with Civil drawings.
5. All undimensioned trees for contractor to stake.
6. Contractor to provide aeration, pruning, and fertilization of preserved live oaks by an ISA certified arborist prior to construction around the trees.
7. Landscape contractor's scope of work to begin at finished grade minus 4".

REGISTERED LANDSCAPE ARCHITECT
KEVIN W. SLOAN
2296
STATE OF TEXAS

NO.	REVISION	BY	DATE

TOWN OF ADDISON
DALLAS COUNTY, TEXAS

PARK AND STREETSCAPE IMPROVEMENTS
VITRUVIAN PARK

VITRUVIAN PARK
PLANTING PLAN COVER SHEET

KEVIN SLOAN STUDIO
4145 Travis, Suite 105
Dallas, Texas 75204 (214) 379-1061

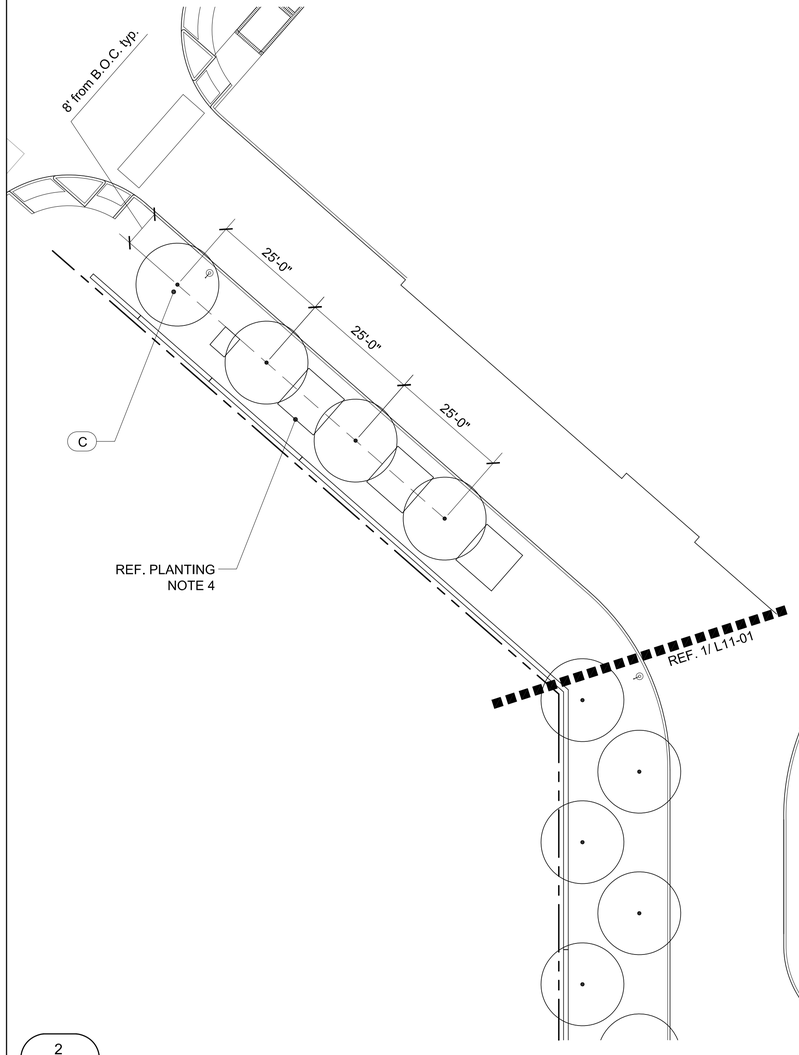
PROJECT	DESIGN	DRAWN	DATE	FILE	SHEET
5029-01	KWS	MM	APR 26, 2010	PW # 2009-04	L11-00

PARK AND STREETSCAPE IMPROVEMENTS - VITRUVIAN PARK

PLANT QUANTITIES

C (4) Live Oak
Quercus virginiana
4" cal, single trunk, container matched.

NOTE: ALL tree locations that are shown shall be staked by the Landscape Contractor and the locations of the stakes approved in writing by the town of Addison and Landscape Architect, prior to any tree planting.



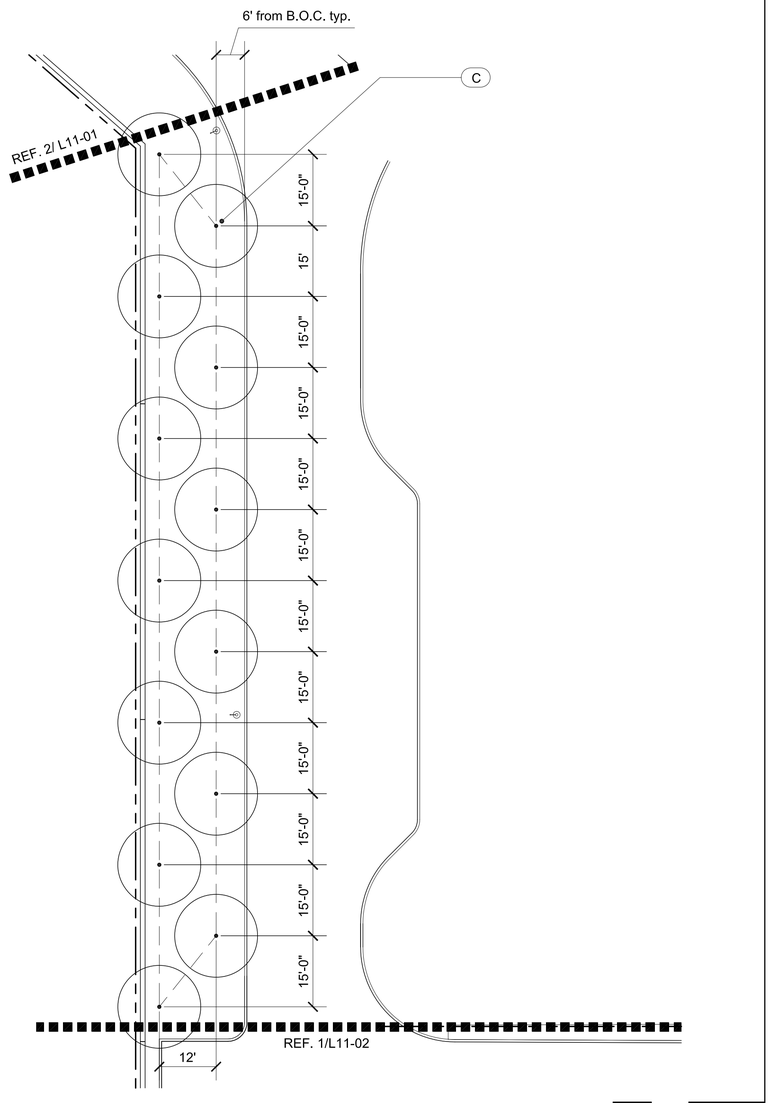
2 L11-01 Southern Parking Area and Drive, Planting Plan - Trees

0' 8' 16' 32'

PLANT QUANTITIES

C (13) Live Oak
Quercus virginiana
4" cal, single trunk, container matched.

NOTE: ALL tree locations that are shown shall be staked by the Landscape Contractor and the locations of the stakes approved in writing by the town of Addison and Landscape Architect, prior to any tree planting.



1 L11-01 Southern Parking Area and Drive, Planting Plan - Trees

0' 8' 16' 32'

PLANTING LEGEND

- A Existing Tree to remain
  Reference specifications for existing tree protection and treatment.
- B Preserved Live Oak
  Quercus virginiana
  On-site, field dug specimen, requires 168" tree spade to move, LA to select and place.
  Ref. to "Tree Preservation Area Legend & Notes" (Inset on sheets L11-03, L11-04, L11-05 & L11-08) for number suffix.
- C Live Oak
  Quercus virginiana
  4" cal, single trunk, container grown.
- C1 Live Oak, 'High Rise'
  Quercus virginiana, 'QVTIA'
  4" cal, single trunk, container grown.
- D NOT USED.
- E NOT USED.
- F Red Oak
  Quercus texana
  4" cal, container grown.
- G Shumard Oak
  Quercus shumardii
  4" cal, container grown.
- H Chinkapin Oak
  Quercus muhlenbergii
  4" cal, container grown.
- I Bald Cypress
  Taxodium distichum
  4" cal, container grown.
- J Pond Cypress
  Taxodium ascendens
  4" cal, container grown.
- K Texas Ash
  Fraxinus texensis
  4" cal, container grown.
- L Lacebark Elm
  Ulmus parvifolia
  4" caliper, container grown.
- M River Birch
  Betula nigra
  12-14' ht., 3-5 canes each, B&B.
- AA NOT USED.
- BB Savannah Holly
  Ilex opaca x attenuata 'Savannah'
  4" cal, single trunk, 12' ht, tree form, container grown.
- CC Natchez Crape Myrtle
  Lagerstroemia indica 'Natchez'
  12'-14' ht, multi trunk, 3-5 canes, grown for height.
- CC-2 Natchez Crape Myrtle
  Lagerstroemia indica 'Natchez'
  10'-12' ht, multi trunk, 3-5 canes, grown for height.
- DD Oklahoma Redbud
  Cercis canadensis 'Oklahoma'
  3"-3 ½" cal, 8' ht, container grown
- EE Weeping Love Grass
  Eragrostis curvula
- FF Vitex
  Vitex agnus-castus
  65 gal, 10' ht, container, grown for height.
- GG Asian Jasmine
  Trachelospermum asiaticum
  1 gal, plant 18" o.c.
- HH Horsetail Reed
  Equisetum hyemale
  1 gal, plant 18" o.c.
- II Grass Mix for Hydromulch
  Reference specifications for percentage of each seed for mixture: 1. Sideoats Grama, *Bouteloua curtipendula*; 2. Inland Sea Oats, *Chasmanthium latifolium*; 3. Prairie Wild Rye, *Elymus canadensis*; 4. Purple Top, *Tridens flavus*; 5. Virginia Wild Rye, *Elymus virginicus*; 6. Plains Bristlegrass, *Setaria vulpiseta*.
- JJ Midiron Bermuda
  Cynodon dactylon 'Midiron'
  sod, pinned on slopes greater than 6:1.
- KK Harbor Dwarf Nandina
  Nandina domestica 'Harbor Dwarf'
  15 gal., 3' ht., 36" o.c.
- LL Dwarf Chinese Holly
  Ilex cornuta 'Rotunda'
  15 gal., 3' ht., 36" o.c.
- MM Creeping Fig
  Ficus Pumila
  1 gal., staggered 18"-24" o.c.
- NN Mondo Grass
  Ophiopogon japonicus
  4" pot, max. 8" o.c., diamond pattern.

PLANTING NOTES:

1. All tree locations that are shown shall be staked by the Landscape Contractor and the stakes approved in writing by the town of Addison and Landscape Architect, prior to any tree planting.
2. Any and all tree plantings shall not be planted less than five feet (clear) to the back of the pond edge walls.
3. See planting detail (1/L1-22) for special staking detail for tree plantings located on the islands.
4. Civil information for reference only. Verify actual location of utilities with Civil drawings.
5. All undimensioned trees for contractor to stake.
6. Contractor to provide aeration, pruning, and fertilization of preserved live oaks by an ISA certified arborist prior to construction around the trees.
7. Landscape contractor's scope of work to begin at finished grade minus 4".

REGISTERED LANDSCAPE ARCHITECT KEVIN W. SLOAN 2296 STATE OF TEXAS

NO.	REVISION	BY	DATE

TOWN OF ADDISON
DALLAS COUNTY, TEXAS

PARK AND STREETSCAPE IMPROVEMENTS
VITRUVIAN PARK

SOUTHERN PARKING AREA AND DRIVE PLANTING PLAN - TREES

KEVIN SLOAN STUDIO
4145 Travis, Suite 105
Dallas, Texas 75204 (214) 379-1061

PROJECT	DESIGN	DRAWN	DATE	FILE	SHEET
5029-01	KWS	JP	APR 26, 2010	PW # 2009-04	L11-01

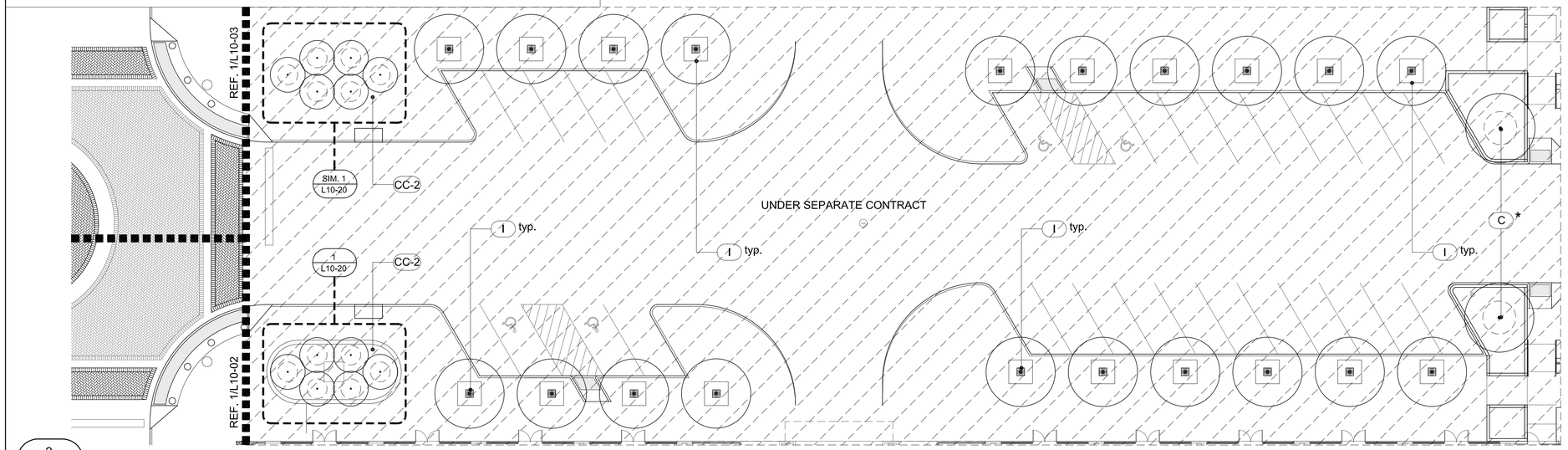
PARK AND STREETSCAPE IMPROVEMENTS - VITRUVIAN PARK

PLANT QUANTITIES

(I) (20) Bald Cypress
Taxodium distichum
4" cal, container matched.

(CC-2) (12) Natchez Crape Myrtle
Lagerstroemia indica 'Natchez'
10'-12' ht., multi trunk, 3-5 canes, matched for height.

NOTE: ALL tree locations that are shown shall be staked by the Landscape Contractor and the locations of the stakes approved in writing by the town of Addison and Landscape Architect, prior to any tree planting.

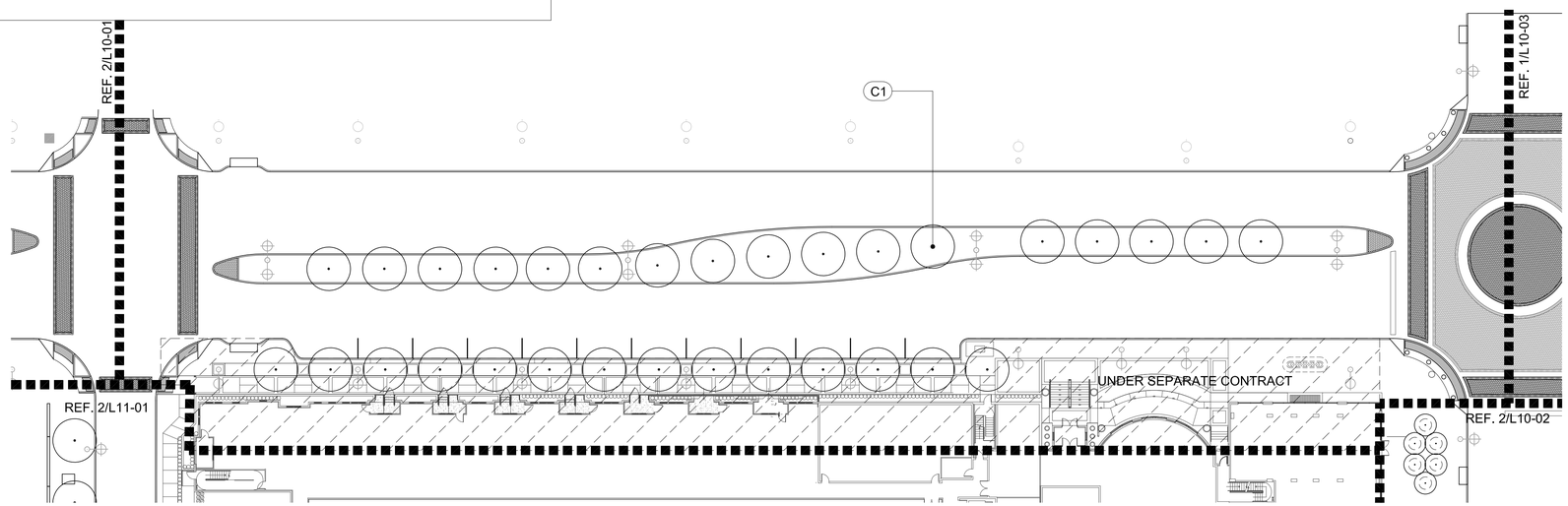


2
L10-02
Ponte Avenue, Planting Plan - Trees

MEDIAN PLANT QUANTITIES

(C1) (17) Live Oak, 'High Rise'
Quercus virginiana, 'QVTIA'
4" cal, single trunk, container matched.

NOTE: ALL tree locations that are shown shall be staked by the Landscape Contractor and the locations of the stakes approved in writing by the town of Addison and Landscape Architect, prior to any tree planting.



1
L10-02
Vitruvian Way, Planting Plan - Trees

PLANTING LEGEND

- (A) Existing Tree to remain
  Reference specifications for existing tree protection and treatment.
- (B) Preserved Live Oak
  Quercus virginiana
  On-site, field dug specimen, requires 168" tree spade to move, LA to select and place. Ref. to "Tree Preservation Area Legend & Notes" (Inset on sheets L11-03, L11-04, L11-05 & L11-08) for number suffix.
- (C) Live Oak
  Quercus virginiana
  4" cal, single trunk, container grown.
- (C1) Live Oak, 'High Rise'
  Quercus virginiana, 'QVTIA'
  4" cal, single trunk, container grown.
- (D) NOT USED.
- (E) NOT USED.
- (F) Red Oak
  Quercus texana
  4" cal, container grown.
- (G) Shumard Oak
  Quercus shumardii
  4" cal, container grown.
- (H) Chinkapin Oak
  Quercus muhlenbergii
  4" cal, container grown.
- (I) Bald Cypress
  Taxodium distichum
  4" cal, container grown.
- (J) Pond Cypress
  Taxodium ascendens
  4" cal, container grown.
- (K) Texas Ash
  Fraxinus texensis
  4" cal, container grown.
- (L) Lacebark Elm
  Ulmus parvifolia
  4" caliper, container grown.
- (M) River Birch
  Betula nigra
  12-14' ht., 3-5 canes each, B&B.
- (AA) NOT USED.
- (BB) Savannah Holly
  Ilex opaca x attenuata 'Savannah'
  4" cal, single trunk, 12' ht, tree form, container grown.
- (CC) Natchez Crape Myrtle
  Lagerstroemia indica 'Natchez'
  12'-14' ht, multi trunk, 3-5 canes, grown for height.
- (CC-2) Natchez Crape Myrtle
  Lagerstroemia indica 'Natchez'
  10'-12' ht, multi trunk, 3-5 canes, grown for height.
- (DD) Oklahoma Redbud
  Cercis canadensis 'Oklahoma'
  3"-3 ½" cal, 8' ht, container grown
- (EE) Weeping Love Grass
  Eragrostis curvula
- (FF) Vitex
  Vitex agnus-castus
  65 gal, 10' ht, container, grown for height.
- (GG) Asian Jasmine
  Trachelospermum asiaticum
  1 gal, plant 18" o.c.
- (HH) Horsetail Reed
  Equisetum hyemale
  1 gal, plant 18" o.c.
- (II) Grass Mix for Hydromulch
  Reference specifications for percentage of each seed for mixture: 1. Sideoats Grama, *Bouteloua curtipendula*; 2. Inland Sea Oats, *Chasmanthium latifolium*; 3. Prairie Wild Rye, *Elymus canadensis*; 4. Purple Top, *Tridens flavus*; 5. Virginia Wild Rye, *Elymus virginicus*; 6. Plains Bristlegrass, *Setaria vulpiseta*.
- (JJ) Midiron Bermuda
  Cynodon dactylon 'Midiron'
  sod, pinned on slopes greater than 6:1.
- (KK) Harbor Dwarf Nandina
  Nandina domestica 'Harbor Dwarf'
  15 gal., 3' ht., 36" o.c.
- (LL) Dwarf Chinese Holly
  Ilex cornuta 'Rotunda'
  15 gal., 3' ht., 36" o.c.
- (MM) Creeping Fig
  Ficus Pumila
  1 gal., staggered 18"-24" o.c.
- (NN) Mondo Grass
  Ophiopogon japonicus
  4" pot, max. 8" o.c., diamond pattern.

PLANTING NOTES:

1. All tree locations that are shown shall be staked by the Landscape Contractor and the stakes approved in writing by the town of Addison and Landscape Architect, prior to any tree planting.
2. Any and all tree plantings shall not be planted less than five feet (clear) to the back of the pond edge walls.
3. See planting detail (1/L1-22) for special staking detail for tree plantings located on the islands.
4. Civil information for reference only. Verify actual location of utilities with Civil drawings.
5. All undimensioned trees for contractor to stake.
6. Contractor to provide aeration, pruning, and fertilization of preserved live oaks by an ISA certified arborist prior to construction around the trees.
7. Landscape contractor's scope of work to begin at finished grade minus 4".

REGISTERED LANDSCAPE ARCHITECT
KEVIN W. SLOAN
2296
STATE OF TEXAS

NO.	REVISION	BY	DATE

Addison
TOWN OF ADDISON
DALLAS COUNTY, TEXAS

PARK AND STREETSCAPE IMPROVEMENTS
VITRUVIAN PARK

VITRUVIAN WAY & PONTE AVENUE PLANTING PLAN - TREES

KEVIN SLOAN STUDIO
4145 Travis, Suite 105
Dallas, Texas 75204 (214) 379-1061

PROJECT	DESIGN	DRAWN	DATE	FILE	SHEET
5029-01	KWS	JP	APR 26, 2010	PW # 2009-04	L10-02

PARK AND STREETSCAPE IMPROVEMENTS - VITRUVIAN PARK

PLANT QUANTITIES

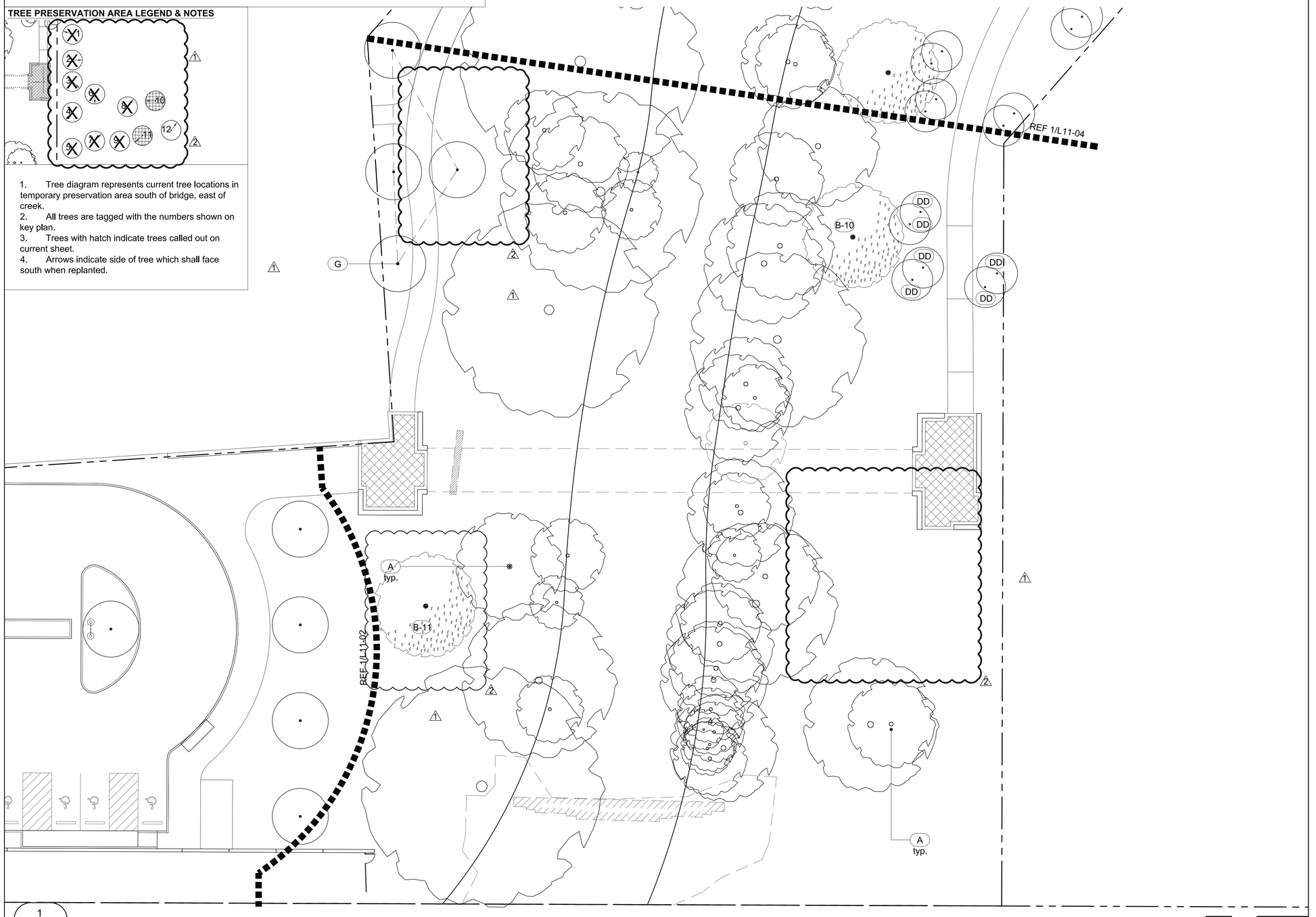
G (4) Shumard Oak
Quercus shumardii
4" cal, B&B.

DD (6) Oklahoma Redbud
Cercis canadensis 'Oklahoma'
3"-3 ½" cal, 8' ht, B&B.

NOTE: ALL tree locations that are shown shall be staked by the Landscape Contractor and the locations of the stakes approved in writing by the town of Addison and Landscape Architect, prior to any tree planting.

TREE PRESERVATION AREA LEGEND & NOTES

1. Tree diagram represents current tree locations in temporary preservation area south of bridge, east of creek.
2. All trees are tagged with the numbers shown on key plan.
3. Trees with hatch indicate trees called out on current sheet.
4. Arrows indicate side of tree which shall face south when replanted.



1 L11-03 Southern Park Area - A, Planting Plan - Trees

PLANTING LEGEND

- A — Existing Tree to remain. Reference specifications for existing tree protection and treatment.
- B — Preserved Live Oak. *Quercus virginiana*. On-site, field dug specimen, requires 168" tree spade to move, LA to select and place. Ref. to "Tree Preservation Area Legend & Notes" (Inset on sheets L11-03, L11-04, L11-05 & L11-08) for number suffix.
- C — Live Oak. *Quercus virginiana*. 4" cal, single trunk, container grown.
- C1 — Live Oak, 'High Rise'. *Quercus virginiana, 'QVTIA'*. 4" cal, single trunk, container grown.
- D — NOT USED.
- E — NOT USED.
- F — Red Oak. *Quercus texana*. 4" cal, container grown.
- G — Shumard Oak. *Quercus shumardii*. 4" cal, container grown.
- H — Chinkapin Oak. *Quercus muhlenbergii*. 4" cal, container grown.
- I — Bald Cypress. *Taxodium distichum*. 4" cal, container grown.
- J — Pond Cypress. *Taxodium ascendens*. 4" cal, container grown.
- K — Texas Ash. *Fraxinus texensis*. 4" cal, container grown.
- L — Lacebark Elm. *Ulmus parvifolia*. 4" caliper, container grown.
- M — River Birch. *Betula nigra*. 12-14' ht., 3-5 canes each, B&B.
- AA — NOT USED.
- BB — Savannah Holly. *Ilex opaca x attenuata 'Savannah'*. 4" cal, single trunk, 12' ht, tree form, container grown.
- CC — Natchez Crape Myrtle. *Lagerstroemia indica 'Natchez'*. 12'-14' ht, multi trunk, 3-5 canes, grown for height.
- CC-2 — Natchez Crape Myrtle. *Lagerstroemia indica 'Natchez'*. 10-12' ht, multi trunk, 3-5 canes, grown for height.
- DD — Oklahoma Redbud. *Cercis canadensis 'Oklahoma'*. 3"-3 ½" cal, 8' ht, container grown
- EE — Weeping Love Grass. Eragrostis curvula
- FF — Vitex. *Vitex agnus-castus*. 65 gal, 10' ht, container, grown for height.
- GG — Asian Jasmine. *Trachelospermum asiaticum*. 1 gal, plant 18" o.c.
- HH — Horsetail Reed. *Equisetum hyemale*. 1 gal, plant 18" o.c.
- II — Grass Mix for Hydromulch. Reference specifications for percentage of each seed for mixture: 1. Sideoats Grama, *Bouteloua curtipendula*; 2. Inland Sea Oats, *Chasmanthium latifolium*; 3. Prairie Wild Rye, *Elymus canadensis*; 4. Purple Top, *Tridens flavus*; 5. Virginia Wild Rye, *Elymus virginicus*; 6. Plains Bristlegrass, *Setaria vulpiseta*.
- JJ — Midiron Bermuda. *Cynodon dactylon* 'Midiron' sod, pinned on slopes greater than 6:1.
- KK — Harbor Dwarf Nandina. *Nandina domestica* 'Harbor Dwarf' 15 gal., 3' ht., 36" o.c.
- LL — Dwarf Chinese Holly. *Ilex cornuta 'Rotunda'*. 15 gal., 3' ht., 36" o.c.
- MM — Creeping Fig. *Ficus Pumila*. 1 gal., staggered 18"-24" o.c.
- NN — Mondo Grass. *Ophiopogon japonicus*. 4" pot, max. 8" o.c., diamond pattern.

PLANTING NOTES:

1. All tree locations that are shown shall be staked by the Landscape Contractor and the stakes approved in writing by the town of Addison and Landscape Architect, prior to any tree planting.
2. Any and all tree plantings shall not be planted less than five feet (clear) to the back of the pond edge walls.
3. See planting detail (1/L1-22) for special staking detail for tree plantings located on the islands.
4. Civil information for reference only. Verify actual location of utilities with Civil drawings.
5. All undimensioned trees for contractor to stake.
6. Contractor to provide aeration, pruning, and fertilization of preserved live oaks by an ISA certified arborist prior to construction around the trees.
7. Landscape contractor's scope of work to begin at finished grade minus 4".

NO.	REVISION	BY	DATE
1	PRESERVED TREE REVISION	KSS	8/20/10
2	PLANTING REVISIONS	KSS	2/14/11

TOWN OF ADDISON
DALLAS COUNTY, TEXAS

PARK AND STREETSCAPE IMPROVEMENTS
VITRUVIAN PARK

SOUTHERN PARK AREA -A PLANTING PLAN - TREES

KEVIN SLOAN STUDIO
2400 Empire Central, Suite F
Dallas, Texas 75235 (214) 459-1784

PROJECT	DESIGN	DRAWN	DATE	FILE	SHEET
5029-01	KWS	JP	APR 26, 2010	PW # 2009-04	L11-03

PARK AND STREETSCAPE IMPROVEMENTS - VITRUVIAN PARK

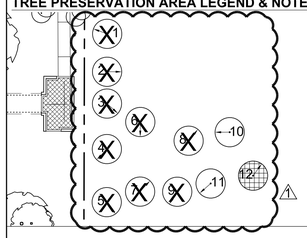
PLANT QUANTITIES

G (1) Shumard Oak
Quercus shumardii
4" cal, B&B.

DD (20) Oklahoma Redbud
Cercis canadensis 'Oklahoma'
3"-3 ½" cal, 8' ht, B&B.

NOTE: ALL tree locations that are shown shall be staked by the Landscape Contractor and the locations of the stakes approved in writing by the town of Addison and Landscape Architect, prior to any tree planting.

TREE PRESERVATION AREA LEGEND & NOTES



1. Tree diagram represents current tree locations in temporary preservation area south of bridge, east of creek.
2. All trees are tagged with the numbers shown on key plan.
3. Trees with hatch indicate trees called out on current sheet.
4. Arrows indicate side of tree which shall face south when replanted.

1
L11-04
Southern Park Area - B, Planting Plan - Trees

0' 8' 16' 32'

PLANTING LEGEND

- A — Existing Tree to remain. Reference specifications for existing tree protection and treatment.
- B — Preserved Live Oak. *Quercus virginiana*. On-site, field dug specimen, requires 168" tree spade to move, LA to select and place. Ref. to "Tree Preservation Area Legend & Notes" (Inset on sheets L11-03, L11-04, L11-05 & L11-08) for number suffix.
- C — Live Oak. *Quercus virginiana*. 4" cal, single trunk, container grown.
- C1 — Live Oak, 'High Rise'. *Quercus virginiana, 'QVTIA'*. 4" cal, single trunk, container grown.
- D — NOT USED.
- E — NOT USED.
- F — Red Oak. *Quercus texana*. 4" cal, container grown.
- G — Shumard Oak. *Quercus shumardii*. 4" cal, container grown.
- H — Chinkapin Oak. *Quercus muhlenbergii*. 4" cal, container grown.
- I — Bald Cypress. *Taxodium distichum*. 4" cal, container grown.
- J — Pond Cypress. *Taxodium ascendens*. 4" cal, container grown.
- K — Texas Ash. *Fraxinus texensis*. 4" cal, container grown.
- L — Lacebark Elm. *Ulmus parvifolia*. 4" caliper, container grown.
- M — River Birch. *Betula nigra*. 12-14' ht., 3-5 canes each, B&B.
- AA — NOT USED.
- BB — Savannah Holly. *Ilex opaca x attenuata 'Savannah'*. 4" cal, single trunk, 12' ht, tree form, container grown.
- CC — Natchez Crape Myrtle. *Lagerstroemia indica 'Natchez'*. 12'-14' ht, multi trunk, 3-5 canes, grown for height.
- CC-2 — Natchez Crape Myrtle. *Lagerstroemia indica 'Natchez'*. 10-12' ht, multi trunk, 3-5 canes, grown for height.
- DD — Oklahoma Redbud. *Cercis canadensis 'Oklahoma'*. 3"-3 ½" cal, 8' ht, container grown
- EE — Weeping Love Grass. Eragrostis curvula
- FF — Vitex. *Vitex agnus-castus*. 65 gal, 10' ht, container, grown for height.
- GG — Asian Jasmine. *Trachelospermum asiaticum*. 1 gal, plant 18" o.c.
- HH — Horsetail Reed. *Equisetum hyemale*. 1 gal, plant 18" o.c.
- II — Grass Mix for Hydromulch. Reference specifications for percentage of each seed for mixture: 1. Sideoats Grama, *Bouteloua curtipendula*; 2. Inland Sea Oats, *Chasmanthium latifolium*; 3. Prairie Wild Rye, *Elymus canadensis*; 4. Purple Top, *Tridens flavus*; 5. Virginia Wild Rye, *Elymus virginicus*; 6. Plains Bristlegrass, *Setaria vulpiseta*.
- JJ — Midiron Bermuda. *Cynodon dactylon* 'Midiron' sod, pinned on slopes greater than 6:1.
- KK — Harbor Dwarf Nandina. *Nandina domestica* 'Harbor Dwarf' 15 gal., 3' ht., 36" o.c.
- LL — Dwarf Chinese Holly. *Ilex cornuta 'Rotunda'*. 15 gal., 3' ht., 36" o.c.
- MM — Creeping Fig. *Ficus Pumila*. 1 gal., staggered 18"-24" o.c.
- NN — Mondo Grass. *Ophiopogon japonicus*. 4" pot, max. 8" o.c., diamond pattern.

PLANTING NOTES:

1. All tree locations that are shown shall be staked by the Landscape Contractor and the stakes approved in writing by the town of Addison and Landscape Architect, prior to any tree planting.
2. Any and all tree plantings shall not be planted less than five feet (clear) to the back of the pond edge walls.
3. See planting detail (1/L1-22) for special staking detail for tree plantings located on the islands.
4. Civil information for reference only. Verify actual location of utilities with Civil drawings.
5. All undimensioned trees for contractor to stake.
6. Contractor to provide aeration, pruning, and fertilization of preserved live oaks by an ISA certified arborist prior to construction around the trees.
7. Landscape contractor's scope of work to begin at finished grade minus 4".

NO.	REVISION	BY	DATE
1	PLANTING REVISIONS	KSS	2/14/11

TOWN OF ADDISON
DALLAS COUNTY, TEXAS

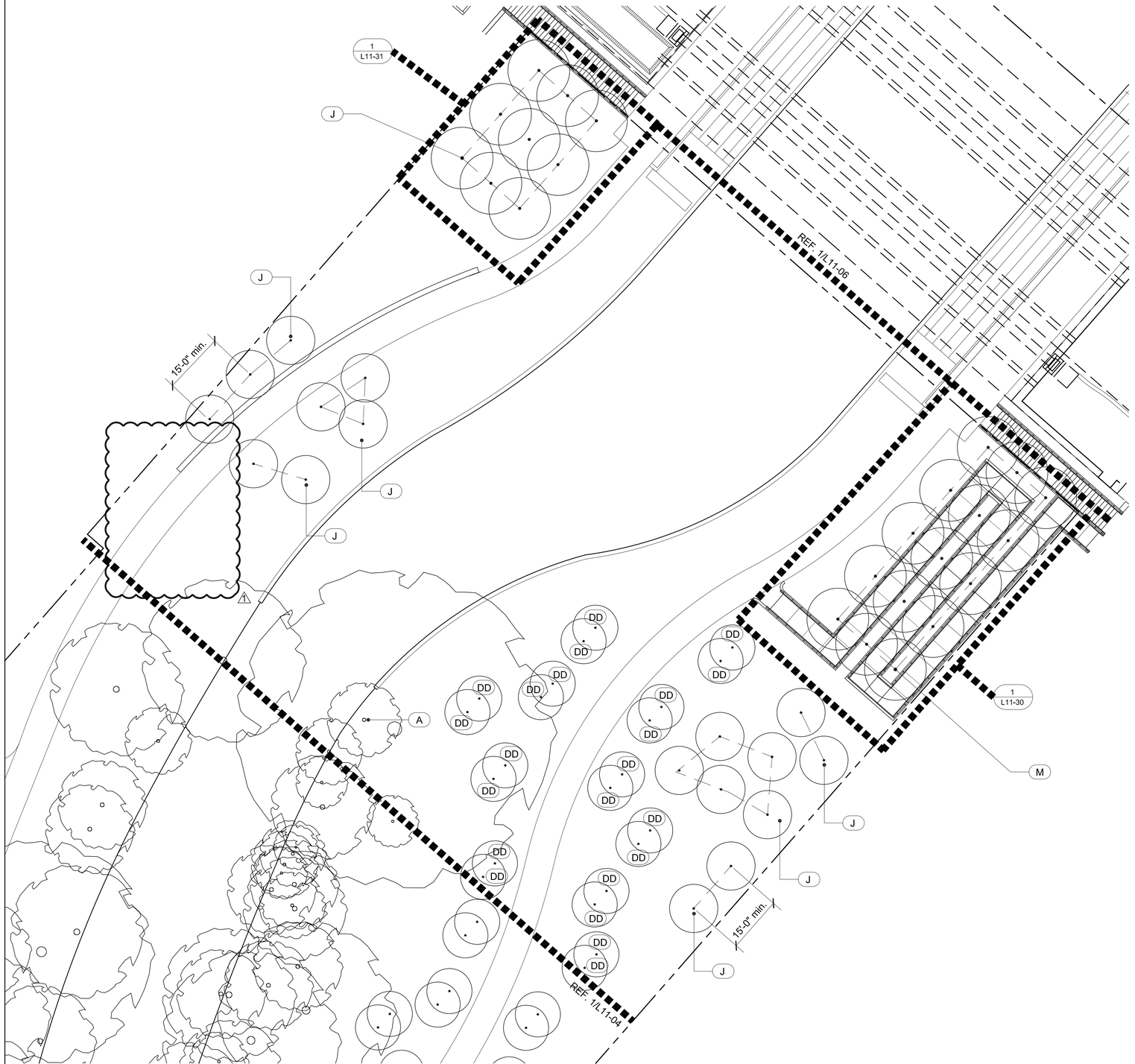
PARK AND STREETSCAPE IMPROVEMENTS
VITRUVIAN PARK

SOUTHERN PARK AREA -B PLANTING PLAN - TREES

KEVIN SLOAN STUDIO
2400 Empire Central, Suite F
Dallas, Texas 75235 (214) 459-1784

PROJECT	DESIGN	DRAWN	DATE	FILE	SHEET
5029-01	KWS	JP	APR 26, 2010	PW # 2009-04	L11-04

PARK AND STREETSCAPE IMPROVEMENTS - VITRUVIAN PARK



PLANT QUANTITIES

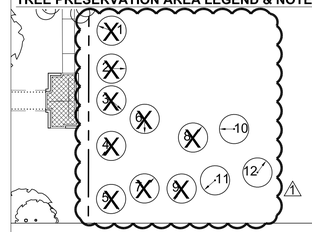
(J) (26) Pond Cypress
Taxodium ascendens
4" caliper, container matched

(M) (15) River Birch
Betula nigra
12-14' ht., 3-5 canes, B&B.

(DD) (22) Oklahoma Redbud
Cercis canadensis 'Oklahoma'
3"-3 ½" cal, 8' ht, B&B.

NOTE: ALL tree locations that are shown shall be staked by the Landscape Contractor and the locations of the stakes approved in writing by the town of Addison and Landscape Architect, prior to any tree planting.

TREE PRESERVATION AREA LEGEND & NOTES



1. Tree diagram represents current tree locations in temporary preservation area south of bridge, east of creek.
2. All trees are tagged with the numbers shown on key plan.
3. Trees with hatch indicate trees called out on current sheet.
4. Arrows indicate side of tree which shall face south when replanted.

PLANTING LEGEND

- (A) Existing Tree to remain
  Reference specifications for existing tree protection and treatment.
- (B) Preserved Live Oak
  Quercus virginiana
  On-site, field dug specimen, requires 168" tree spade to move, LA to select and place. Ref. to "Tree Preservation Area Legend & Notes" (Inset on sheets L11-03, L11-04, L11-05 & L11-08) for number suffix.
- (C) Live Oak
  Quercus virginiana
  4" cal, single trunk, container grown.
- (C1) Live Oak, 'High Rise'
  Quercus virginiana, 'QVTIA'
  4" cal, single trunk, container grown.
- (D) NOT USED.
- (E) NOT USED.
- (F) Red Oak
  Quercus texana
  4" cal, container grown.
- (G) Shumard Oak
  Quercus shumardii
  4" cal, container grown.
- (H) Chinkapin Oak
  Quercus muhlenbergii
  4" cal, container grown.
- (I) Bald Cypress
  Taxodium distichum
  4" cal, container grown.
- (J) Pond Cypress
  Taxodium ascendens
  4" cal, container grown,
- (K) Texas Ash
  Fraxinus texensis
  4" cal, container grown.
- (L) Lacebark Elm
  Ulmus parvifolia
  4" caliper, container grown.
- (M) River Birch
  Betula nigra
  12-14' ht., 3-5 canes each, B&B.
- (AA) NOT USED.
- (BB) Savannah Holly
  Ilex opaca x attenuata 'Savannah'
  4" cal, single trunk, 12' ht, tree form, container grown.
- (CC) Natchez Crape Myrtle
  Lagerstroemia indica 'Natchez'
  12'-14' ht, multi trunk, 3-5 canes, grown for height.
- (CC-2) Natchez Crape Myrtle
  Lagerstroemia indica 'Natchez'
  10'-12' ht, multi trunk, 3-5 canes, grown for height.
- (DD) Oklahoma Redbud
  Cercis canadensis 'Oklahoma'
  3"-3 ½" cal, 8' ht, container grown
- (EE) Weeping Love Grass
  Eragrostis curvula
- (FF) Vitex
  Vitex agnus-castus
  65 gal, 10' ht, container, grown for height.
- (GG) Asian Jasmine
  Trachelospermum asiaticum
  1 gal, plant 18" o.c.
- (HH) Horsetail Reed
  Equisetum hyemale
  1 gal, plant 18" o.c.
- (II) Grass Mix for Hydromulch
  Reference specifications for percentage of each seed for mixture: 1. Sideoats Grama, *Bouteloua curtipendula*; 2. Inland Sea Oats, *Chasmanthium latifolium*; 3. Prairie Wild Rye, *Elymus canadensis*; 4. Purple Top, *Tridens flavus*; 5. Virginia Wild Rye, *Elymus virginicus*; 6. Plains Bristlegrass, *Setaria vulpiseta*.
- (JJ) Midiron Bermuda
  Cynodon dactylon 'Midiron'
  sod, pinned on slopes greater than 6:1.
- (KK) Harbor Dwarf Nandina
  Nandina domestica 'Harbor Dwarf'
  15 gal., 3' ht., 36" o.c.
- (LL) Dwarf Chinese Holly
  Ilex cornuta 'Rotunda'
  15 gal., 3' ht., 36" o.c.
- (MM) Creeping Fig
  Ficus Pumila
  1 gal., staggered 18"-24" o.c.
- (NN) Mondo Grass
  Ophiopogon japonicus
  4" pot, max. 8" o.c., diamond pattern.

PLANTING NOTES:

1. All tree locations that are shown shall be staked by the Landscape Contractor and the stakes approved in writing by the town of Addison and Landscape Architect, prior to any tree planting.
2. Any and all tree plantings shall not be planted less than five feet (clear) to the back of the pond edge walls.
3. See planting detail (1/L1-22) for special staking detail for tree plantings located on the islands.
4. Civil information for reference only. Verify actual location of utilities with Civil drawings.
5. All undimensioned trees for contractor to stake.
6. Contractor to provide aeration, pruning, and fertilization of preserved live oaks by an ISA certified arborist prior to construction around the trees.
7. Landscape contractor's scope of work to begin at finished grade minus 4".

NO.	REVISION	BY	DATE
1	PLANTING REVISIONS	KSS	2/14/11

TOWN OF ADDISON
DALLAS COUNTY, TEXAS

PARK AND STREETSCAPE IMPROVEMENTS
VITRUVIAN PARK

SOUTHERN PARK AREA -C PLANTING PLAN - TREES

KEVIN SLOAN STUDIO
2400 Empire Central, Suite F
Dallas, Texas 75235 (214) 459-1784

PROJECT	DESIGN	DRAWN	DATE	FILE	SHEET
5029-01	KWS	JP	APR 26, 2010	PW # 2009-04	L11-05

PARK AND STREETSCAPE IMPROVEMENTS - VITRUVIAN PARK

1
L11-05
Southern Park Area - C, Planting Plan - Trees

0' 8' 16' 32'

PLANT QUANTITIES

(J) (9) Pond Cypress
Taxodium ascendens
4" cal., container matched.

(M) (15) River Birch
Betula nigra
12-14' ht., 3-5 canes, B&B.

(FF) (2) Vitex
Vitex agnus-castus
65 gal, 10' ht, container, matched for height.

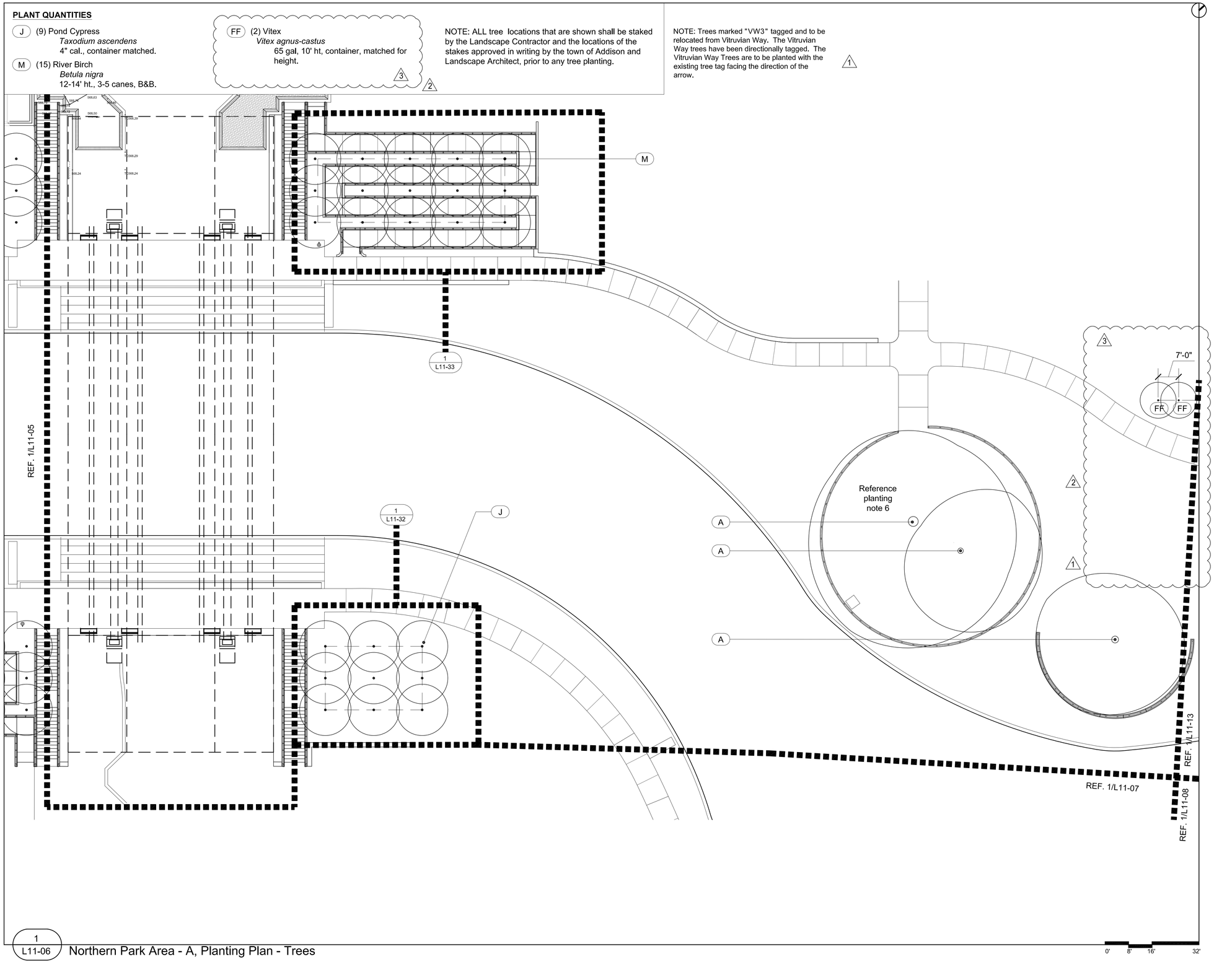
△3

NOTE: ALL tree locations that are shown shall be staked by the Landscape Contractor and the locations of the stakes approved in writing by the town of Addison and Landscape Architect, prior to any tree planting.

△2

NOTE: Trees marked "VW3" tagged and to be relocated from Vitruvian Way. The Vitruvian Way trees have been directionally tagged. The Vitruvian Way Trees are to be planted with the existing tree tag facing the direction of the arrow.

△1



1
L11-06
Northern Park Area - A, Planting Plan - Trees

PLANTING LEGEND

- (A) Existing Tree to remain
  Reference specifications for existing tree protection and treatment.
- (B) Preserved Live Oak
  Quercus virginiana
  On-site, field dug specimen, requires 168" tree spade to move, LA to select and place. Ref. to "Tree Preservation Area Legend & Notes" (Inset on sheets L11-03, L11-04, L11-05 & L11-08) for number suffix.
- (C) Live Oak
  Quercus virginiana
  4" cal, single trunk, container grown.
- (C1) Live Oak, 'High Rise'
  Quercus virginiana, 'QVTIA'
  4" cal, single trunk, container grown.
- (D) NOT USED.
- (E) NOT USED.
- (F) Red Oak
  Quercus texana
  4" cal, container grown.
- (G) Shumard Oak
  Quercus shumardii
  4" cal, container grown.
- (H) Chinkapin Oak
  Quercus muhlenbergii
  4" cal, container grown.
- (I) Bald Cypress
  Taxodium distichum
  4" cal, container grown.
- (J) Pond Cypress
  Taxodium ascendens
  4" cal, container grown,
- (K) Texas Ash
  Fraxinus texensis
  4" cal, container grown.
- (L) Lacebark Elm
  Ulmus parvifolia
  4" caliper, container grown.
- (M) River Birch
  Betula nigra
  12-14' ht., 3-5 canes each, B&B.
- (AA) NOT USED.
- (BB) Savannah Holly
  Ilex opaca x attenuata 'Savannah'
  4" cal, single trunk, 12' ht, tree form, container grown.
- (CC) Natchez Crape Myrtle
  Lagerstroemia indica 'Natchez'
  12'-14' ht, multi trunk, 3-5 canes, grown for height.
- (CC-2) Natchez Crape Myrtle
  Lagerstroemia indica 'Natchez'
  10'-12' ht, multi trunk, 3-5 canes, grown for height.
- (DD) Oklahoma Redbud
  Cercis canadensis 'Oklahoma'
  3"-3 ½" cal, 8' ht, container grown
- (EE) Weeping Love Grass
  Eragrostis curvula
- (FF) Vitex
  Vitex agnus-castus
  65 gal, 10' ht, container, grown for height.
- (GG) Asian Jasmine
  Trachelospermum asiaticum
  1 gal, plant 18" o.c.
- (HH) Horsetail Reed
  Equisetum hyemale
  1 gal, plant 18" o.c.
- (II) Grass Mix for Hydromulch
  Reference specifications for percentage of each seed for mixture: 1. Sideoats Grama, *Bouteloua curtipendula*; 2. Inland Sea Oats, *Chasmanthium latifolium*; 3. Prairie Wild Rye, *Elymus canadensis*; 4. Purple Top, *Tridens flavus*; 5. Virginia Wild Rye, *Elymus virginicus*; 6. Plains Bristlegrass, *Setaria vulpiseta*.
- (JJ) Midiron Bermuda
  Cynodon dactylon 'Midiron'
  sod, pinned on slopes greater than 6:1.
- (KK) Harbor Dwarf Nandina
  Nandina domestica 'Harbor Dwarf'
  15 gal., 3' ht., 36" o.c.
- (LL) Dwarf Chinese Holly
  Ilex cornuta 'Rotunda'
  15 gal., 3' ht., 36" o.c.
- (MM) Creeping Fig
  Ficus Pumila
  1 gal., staggered 18"-24" o.c.
- (NN) Mondo Grass
  Ophiopogon japonicus
  4" pot, max. 8" o.c., diamond pattern.
- (OO) Cleyera
  Ternstroemia gymnathera
  7gal., container, planted 18" o.c.

PLANTING NOTES:

1. All tree locations that are shown shall be staked by the Landscape Contractor and the stakes approved in writing by the town of Addison and Landscape Architect, prior to any tree planting.
2. Any and all tree plantings shall not be planted less than five feet (clear) to the back of the pond edge walls.
3. See planting detail (1/L1-22) for special staking detail for tree plantings located on the islands.
4. Civil information for reference only. Verify actual location of utilities with Civil drawings.
5. All undimensioned trees for contractor to stake.
6. Contractor to provide aeration, pruning, and fertilization of preserved live oaks by an ISA certified arborist prior to construction around the trees.
7. Landscape contractor's scope of work to begin at finished grade minus 4".

NO.	REVISION	BY	DATE
1	PRESERVED TREE REVISION	KSS	8/20/10
2	PLANTING REVISIONS	KSS	2/14/11
3	PLANTING REVISIONS	KSS	6/23/11

TOWN OF ADDISON
DALLAS COUNTY, TEXAS

PARK AND STREETSCAPE IMPROVEMENTS
VITRUVIAN PARK

NORTHERN PARK AREA - A
PLANTING PLAN - TREES

KEVIN SLOAN STUDIO
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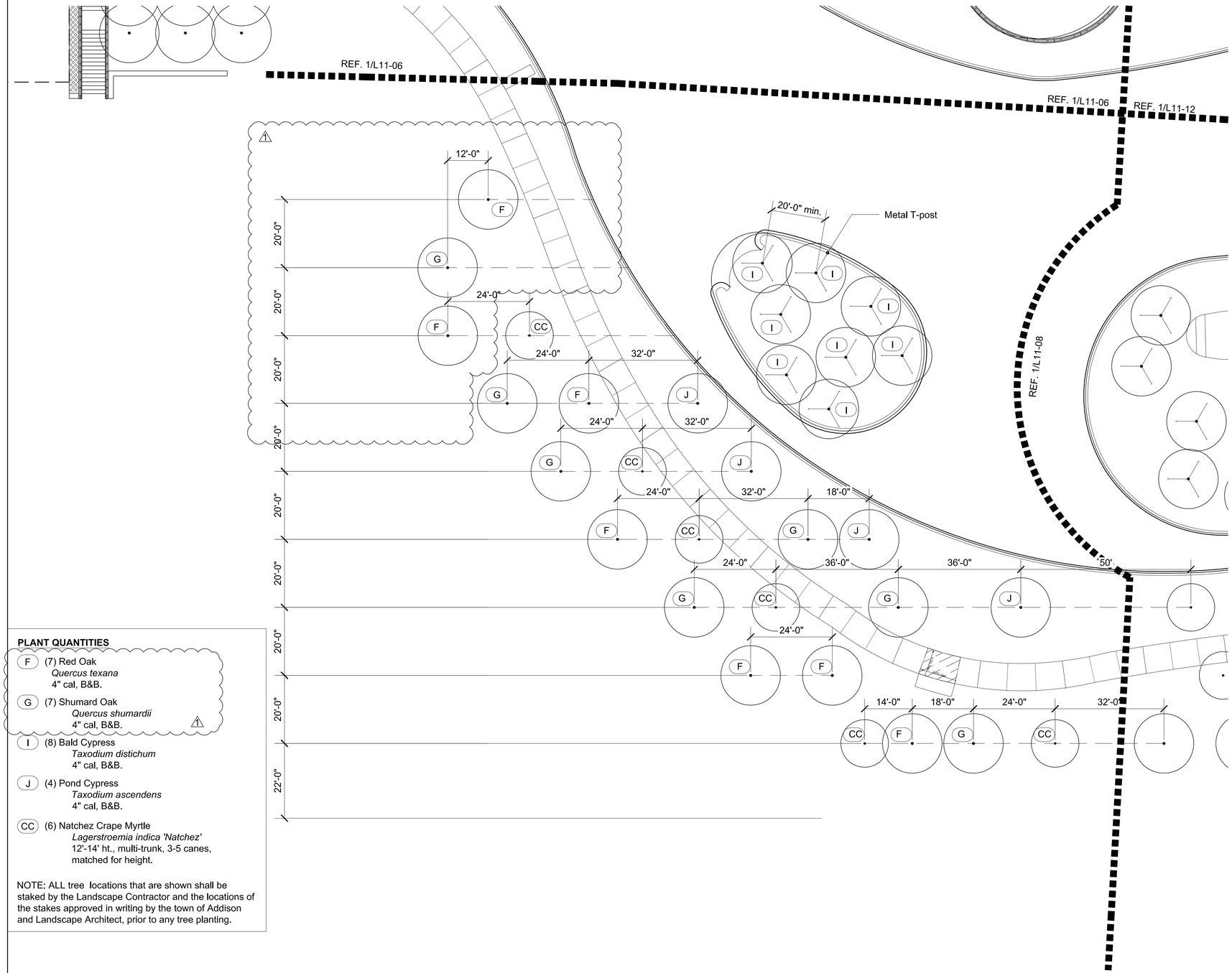
Dallas, Texas 75235 (214) 459-1784

PROJECT	DESIGN	DRAWN	DATE	FILE	SHEET
5029-01	KWS	JP	DEC. 18, 2009	PW # 2009-04	L11-06

PARK AND STREETSCAPE IMPROVEMENTS - VITRUVIAN PARK



PLANT QUANTITIES

- (F) (7) Red Oak
  Quercus texana
  4" cal, B&B.
- (G) (7) Shumard Oak
  Quercus shumardii
  4" cal, B&B. ⚠1
- (I) (8) Bald Cypress
  Taxodium distichum
  4" cal, B&B.
- (J) (4) Pond Cypress
  Taxodium ascendens
  4" cal, B&B.
- (CC) (6) Natchez Crape Myrtle
  Lagerstroemia indica 'Natchez'
  12'-14' ht., multi-trunk, 3-5 canes, matched for height.

NOTE: ALL tree locations that are shown shall be staked by the Landscape Contractor and the locations of the stakes approved in writing by the town of Addison and Landscape Architect, prior to any tree planting.

1
L11-07 Northern Park Area - B, Planting Plan - Trees

0' 8' 16' 32'

PLANTING LEGEND

- (A) Existing Tree to remain
  Reference specifications for existing tree protection and treatment.
- (B) Preserved Live Oak
  Quercus virginiana
  On-site, field dug specimen, requires 168" tree spade to move, LA to select and place. Ref. to "Tree Preservation Area Legend & Notes" (Inset on sheets L11-03, L11-04, L11-05 & L11-08) for number suffix.
- (C) Live Oak
  Quercus virginiana
  4" cal, single trunk, container grown.
- (C1) Live Oak, 'High Rise'
  Quercus virginiana, 'QVTIA'
  4" cal, single trunk, container grown.
- (D) NOT USED.
- (E) NOT USED.
- (F) Red Oak
  Quercus texana
  4" cal, container grown.
- (G) Shumard Oak
  Quercus shumardii
  4" cal, container grown.
- (H) Chinkapin Oak
  Quercus muhlenbergii
  4" cal, container grown.
- (I) Bald Cypress
  Taxodium distichum
  4" cal, container grown.
- (J) Pond Cypress
  Taxodium ascendens
  4" cal, container grown.
- (K) Texas Ash
  Fraxinus texensis
  4" cal, container grown.
- (L) Lacebark Elm
  Ulmus parvifolia
  4" caliper, container grown.
- (M) River Birch
  Betula nigra
  12-14' ht., 3-5 canes each, B&B.
- (AA) NOT USED.
- (BB) Savannah Holly
  Ilex opaca x attenuata 'Savannah'
  4" cal, single trunk, 12' ht, tree form, container grown.
- (CC) Natchez Crape Myrtle
  Lagerstroemia indica 'Natchez'
  12'-14' ht, multi trunk, 3-5 canes, grown for height.
- (CC-2) Natchez Crape Myrtle
  Lagerstroemia indica 'Natchez'
  10'-12' ht, multi trunk, 3-5 canes, grown for height.
- (DD) Oklahoma Redbud
  Cercis canadensis 'Oklahoma'
  3"-3 ½" cal, 8' ht, container grown
- (EE) Weeping Love Grass
  Eragrostis curvula
- (FF) Vitex
  Vitex agnus-castus
  65 gal, 10' ht, container, grown for height.
- (GG) Asian Jasmine
  Trachelospermum asiaticum
  1 gal, plant 18" o.c.
- (HH) Horsetail Reed
  Equisetum hyemale
  1 gal, plant 18" o.c.
- (II) Grass Mix for Hydromulch
  Reference specifications for percentage of each seed for mixture: 1. Sideoats Grama, *Bouteloua curtipendula*; 2. Inland Sea Oats, *Chasmanthium latifolium*; 3. Prairie Wild Rye, *Elymus canadensis*; 4. Purple Top, *Tridens flavus*; 5. Virginia Wild Rye, *Elymus virginicus*; 6. Plains Bristlegrass, *Setaria vulpiseta*.
- (JJ) Midiron Bermuda
  Cynodon dactylon 'Midiron'
  sod, pinned on slopes greater than 6:1.
- (KK) Harbor Dwarf Nandina
  Nandina domestica 'Harbor Dwarf'
  15 gal., 3' ht., 36" o.c.
- (LL) Dwarf Chinese Holly
  Ilex cornuta 'Rotunda'
  15 gal., 3' ht., 36" o.c.
- (MM) Creeping Fig
  Ficus Pumila
  1 gal., staggered 18"-24" o.c.
- (NN) Mondo Grass
  Ophiopogon japonicus
  4" pot, max. 8" o.c., diamond pattern.
- (OO) Cleyera
  Ternstroemia gymnathera
  7gal., container, planted 18" o.c.

PLANTING NOTES:

1. All tree locations that are shown shall be staked by the Landscape Contractor and the stakes approved in writing by the town of Addison and Landscape Architect, prior to any tree planting.
2. Any and all tree plantings shall not be planted less than five feet (clear) to the back of the pond edge walls.
3. See planting detail (1/L1-22) for special staking detail for tree plantings located on the islands.
4. Civil information for reference only. Verify actual location of utilities with Civil drawings.
5. All undimensioned trees for contractor to stake.
6. Contractor to provide aeration, pruning, and fertilization of preserved live oaks by an ISA certified arborist prior to construction around the trees.
7. Landscape contractor's scope of work to begin at finished grade minus 4".

NO.	REVISION	BY	DATE
⚠1	PLANTING REVISIONS	KSS	06/23/11

TOWN OF ADDISON
DALLAS COUNTY, TEXAS

PARK AND STREETSCAPE IMPROVEMENTS
VITRUVIAN PARK

NORTHERN PARK AREA - B
PLANTING PLAN - TREES

KEVIN SLOAN STUDIO
2400 Empire Central, Suite F
Dallas, Texas 75235 (214) 459-1784

PROJECT	DESIGN	DRAWN	DATE	FILE	SHEET
5029-01	KWS	JP	DEC. 18, 2009	PW # 2009-04	L11-07

PARK AND STREETSCAPE IMPROVEMENTS - VITRUVIAN PARK

PLANT QUANTITIES

(F) (9) Red Oak
Quercus texana
4" cal, B&B.

(G) (8) Shumard Oak
Quercus shumardii
4" cal, B&B.

(I) (12) Bald Cypress
Taxodium distichum
4" cal., B&B

(J) (4) Pond Cypress
Taxodium ascendens
4" cal., B&B

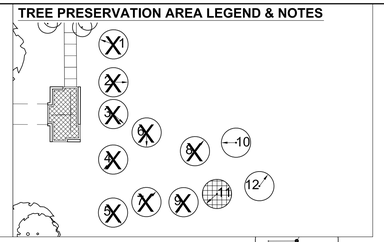
(CC) (10) Natchez Crape Myrtle
Lagerstroemia indica 'Natchez'
12'-14' ht., multi-trunk, 3-5 canes, matched for height.
2

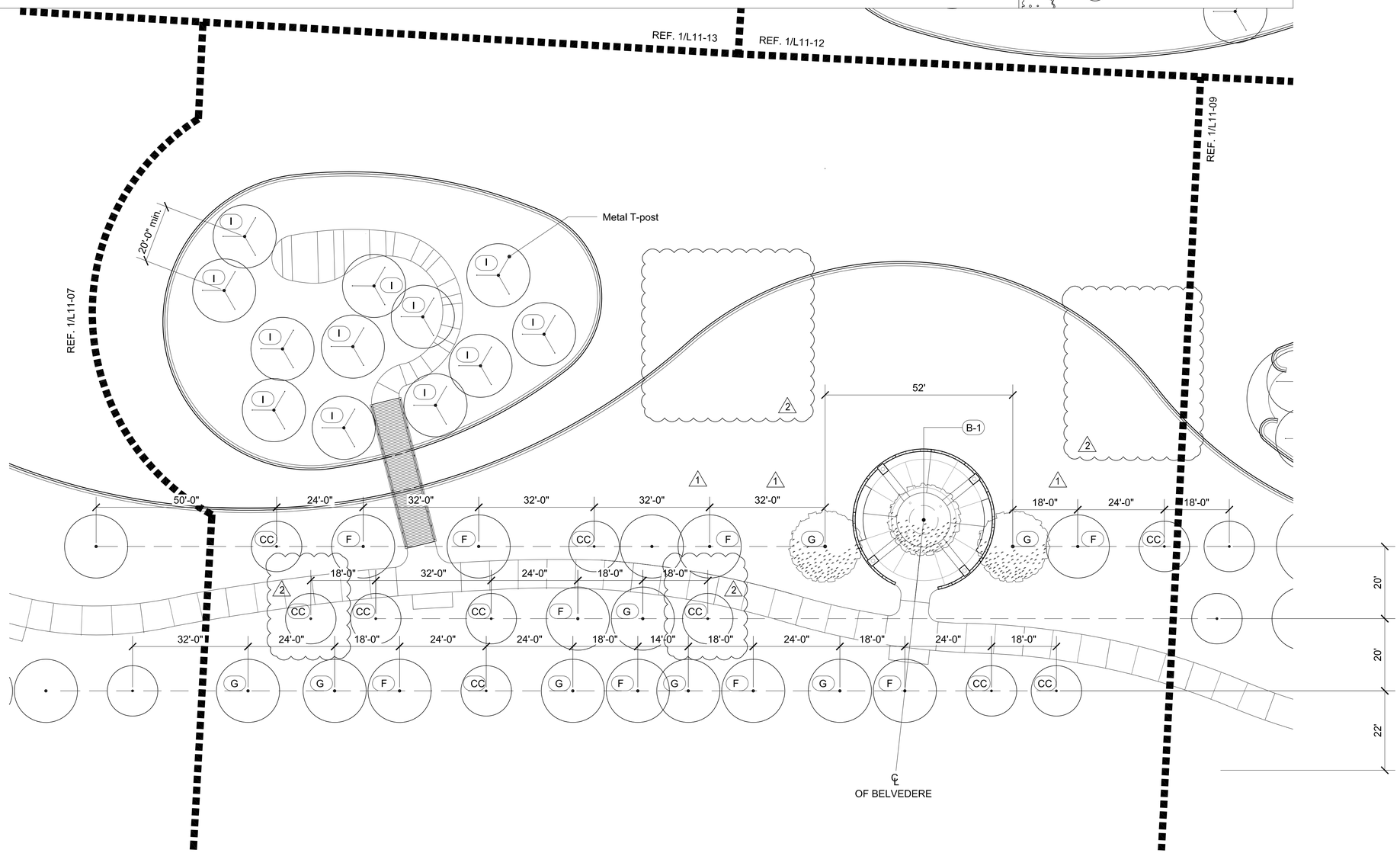
(B-1) (1) Preserved Live Oak
Quercus virginiana
On-site, field dug specimen, requires 168" tree spade to move, LA to select and place in Belvedere. Ref. to "Tree Preservation Area Legend & Notes" inset on sheet for number suffix.

NOTE: ALL tree locations that are shown shall be staked by the Landscape Contractor and the locations of the stakes approved in writing by the town of Addison and Landscape Architect, prior to any tree planting; staking shown in relation to flow of creek (Ref. L1-21).

NOTE: Trees marked VW1 and VW2 tagged and to be relocated from Vitruvian Way. The Vitruvian Way trees have been directionally tagged. The Vitruvian Way Trees are to be planted with the existing tree tag facing the direction of the arrow.
1

TREE PRESERVATION AREA LEGEND & NOTES





PLANTING LEGEND

(A)	Existing Tree to remain Reference specifications for existing tree protection and treatment.	(CC)	Natchez Crape Myrtle *Lagerstroemia indica 'Natchez'* 12'-14' ht, multi trunk, 3-5 canes, grown for height.
(B)	Preserved Live Oak *Quercus virginiana* On-site, field dug specimen, requires 168" tree spade to move, LA to select and place. Ref. to "Tree Preservation Area Legend & Notes" (Inset on sheets L11-03, L11-04, L11-05 & L11-08) for number suffix.	(CC-2)	Natchez Crape Myrtle *Lagerstroemia indica 'Natchez'* 10'-12' ht, multi trunk, 3-5 canes, grown for height.
(C)	Live Oak *Quercus virginiana* 4" cal, single trunk, container grown.	(DD)	Oklahoma Redbud *Cercis canadensis 'Oklahoma'* 3"-3 ½" cal, 8' ht, container grown
(C1)	Live Oak, 'High Rise' *Quercus virginiana, 'QVTIA'* 4" cal, single trunk, container grown.	(EE)	Weeping Love Grass Eragrostis curvula
(D)	NOT USED.	(FF)	Vitex *Vitex agnus-castus* 65 gal, 10' ht, container, grown for height.
(E)	NOT USED.	(GG)	Asian Jasmine *Trachelospermum asiaticum* 1 gal, plant 18" o.c.
(F)	Red Oak *Quercus texana* 4" cal, container grown.	(HH)	Horsetail Reed *Equisetum hyemale* 1 gal, plant 18" o.c.
(G)	Shumard Oak *Quercus shumardii* 4" cal, container grown.	(II)	Grass Mix for Hydromulch Reference specifications for percentage of each seed for mixture: 1. Sideoats Grama, *Bouteloua curtipendula*; 2. Inland Sea Oats, *Chasmanthium latifolium*; 3. Prairie Wild Rye, *Elymus canadensis*; 4. Purple Top, *Tridens flavus*; 5. Virginia Wild Rye, *Elymus virginicus*; 6. Plains Bristlegrass, *Setaria vulpiseta*.
(H)	Chinkapin Oak *Quercus muhlenbergii* 4" cal, container grown.	(JJ)	Midiron Bermuda *Cynodon dactylon* 'Midiron' sod, pinned on slopes greater than 6:1.
(I)	Bald Cypress *Taxodium distichum* 4" cal, container grown.	(KK)	Harbor Dwarf Nandina *Nandina domestica* 'Harbor Dwarf' 15 gal., 3' ht., 36" o.c.
(J)	Pond Cypress *Taxodium ascendens* 4" cal, container grown.	(LL)	Dwarf Chinese Holly *Ilex cornuta 'Rotunda'* 15 gal., 3' ht., 36" o.c.
(K)	Texas Ash *Fraxinus texensis* 4" cal, container grown.	(MM)	Creeping Fig *Ficus Pumila* 1 gal., staggered 18"-24" o.c.
(L)	Lacebark Elm *Ulmus parvifolia* 4" caliper, container grown.	(NN)	Mondo Grass *Ophiopogon japonicus* 4" pot, max. 8" o.c., diamond pattern.
(M)	River Birch *Betula nigra* 12-14' ht., 3-5 canes each, B&B.	(OO)	Cleyera *Ternstroemia gymnathera* 7gal., container, planted 18" o.c.
(AA)	NOT USED.		
(BB)	Savannah Holly *Ilex opaca x attenuata 'Savannah'* 4" cal, single trunk, 12' ht, tree form, container grown.		

PLANTING NOTES:

1. All tree locations that are shown shall be staked by the Landscape Contractor and the stakes approved in writing by the town of Addison and Landscape Architect, prior to any tree planting.
2. Any and all tree plantings shall not be planted less than five feet (clear) to the back of the pond edge walls.
3. See planting detail (1/L1-22) for special staking detail for tree plantings located on the islands.
4. Civil information for reference only. Verify actual location of utilities with Civil drawings.
5. All undimensioned trees for contractor to stake.
6. Contractor to provide aeration, pruning, and fertilization of preserved live oaks by an ISA certified arborist prior to construction around the trees.
7. Landscape contractor's scope of work to begin at finished grade minus 4".

NO.	REVISION	BY	DATE
1.	TREE RELOCATION	KSS	12/21/10
2.	PLANTING REVISIONS	KSS	06/23/11

TOWN OF ADDISON
DALLAS COUNTY, TEXAS

PARK AND STREETSCAPE IMPROVEMENTS
VITRUVIAN PARK

NORTHERN PARK AREA - C PLANTING PLAN - TREES

KEVIN SLOAN STUDIO
2400 Empire Central, Suite F
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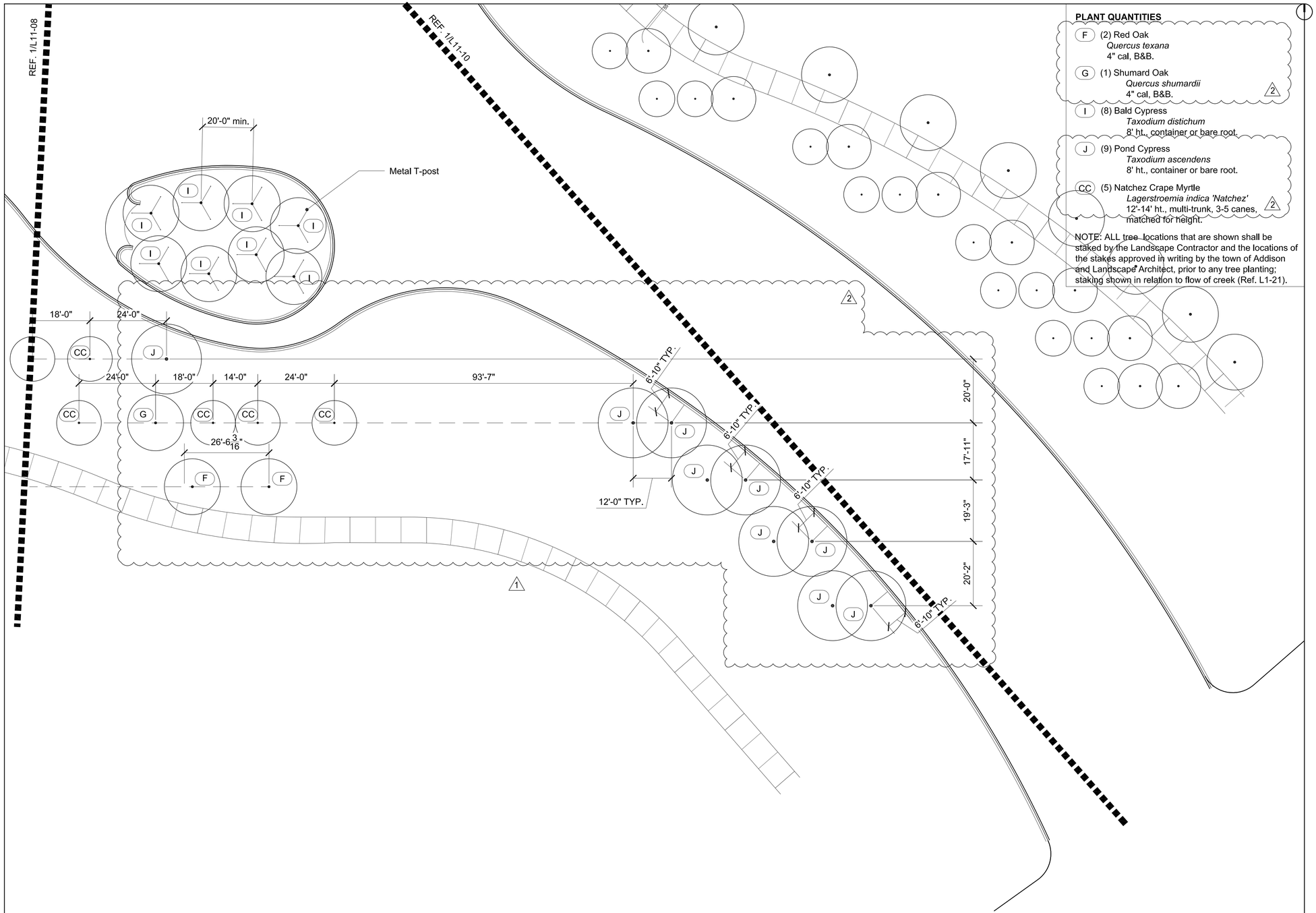
PROJECT	DESIGN	DRAWN	DATE	FILE	SHEET
5029-01	KWS	JP	DEC. 18, 2009	PW # 2009-04	L11-08

PARK AND STREETSCAPE IMPROVEMENTS - VITRUVIAN PARK

1
L11-08
Northern Park Area - C, Planting Plan - Trees

0' 8' 16' 32'



PLANT QUANTITIES

- F (2) Red Oak
  Quercus texana
  4" cal, B&B.
- G (1) Shumard Oak
  Quercus shumardii
  4" cal, B&B. 2
- I (8) Bald Cypress
  Taxodium distichum
  8' ht., container or bare root.
- J (9) Pond Cypress
  Taxodium ascendens
  8' ht., container or bare root.
- CC (5) Natchez Crape Myrtle
  Lagerstroemia indica 'Natchez'
  12'-14' ht., multi-trunk, 3-5 canes, matched for height. 2

NOTE: ALL tree locations that are shown shall be staked by the Landscape Contractor and the locations of the stakes approved in writing by the town of Addison and Landscape Architect, prior to any tree planting; staking shown in relation to flow of creek (Ref. L1-21).

PLANTING LEGEND

- A Existing Tree to remain
  Reference specifications for existing tree protection and treatment.
- B Preserved Live Oak
  Quercus virginiana
  On-site, field dug specimen, requires 168" tree spade to move, LA to select and place. Ref. to "Tree Preservation Area Legend & Notes" (Inset on sheets L11-03, L11-04, L11-05 & L11-08) for number suffix.
- C Live Oak
  Quercus virginiana
  4" cal, single trunk, container grown.
- C1 Live Oak, 'High Rise'
  Quercus virginiana, 'QVTIA'
  4" cal, single trunk, container grown.
- D NOT USED.
- E NOT USED.
- F Red Oak
  Quercus texana
  4" cal, container grown.
- G Shumard Oak
  Quercus shumardii
  4" cal, container grown.
- H Chinkapin Oak
  Quercus muhlenbergii
  4" cal, container grown.
- I Bald Cypress
  Taxodium distichum
  4" cal, container grown.
- J Pond Cypress
  Taxodium ascendens
  4" cal, container grown,
- K Texas Ash
  Fraxinus texensis
  4" cal, container grown.
- L Lacebark Elm
  Ulmus parvifolia
  4" caliper, container grown.
- M River Birch
  Betula nigra
  12-14' ht., 3-5 canes each, B&B.
- AA NOT USED.
- BB Savannah Holly
  Ilex opaca x attenuata 'Savannah'
  4" cal, single trunk, 12' ht, tree form, container grown.
- CC Natchez Crape Myrtle
  Lagerstroemia indica 'Natchez'
  12'-14' ht, multi trunk, 3-5 canes, grown for height.
- CC-2 Natchez Crape Myrtle
  Lagerstroemia indica 'Natchez'
  10'-12' ht, multi trunk, 3-5 canes, grown for height.
- DD Oklahoma Redbud
  Cercis canadensis 'Oklahoma'
  3"-3 ½" cal, 8' ht, container grown
- EE Weeping Love Grass
  Eragrostis curvula
- FF Vitex
  Vitex agnus-castus
  65 gal, 10' ht, container, grown for height.
- GG Asian Jasmine
  Trachelospermum asiaticum
  1 gal, plant 18" o.c.
- HH Horsetail Reed
  Equisetum hyemale
  1 gal, plant 18" o.c.
- II Grass Mix for Hydromulch
  Reference specifications for percentage of each seed for mixture: 1. Sideoats Grama, *Bouteloua curtipendula*; 2. Inland Sea Oats, *Chasmanthium latifolium*; 3. Prairie Wild Rye, *Elymus canadensis*; 4. Purple Top, *Tridens flavus*; 5. Virginia Wild Rye, *Elymus virginicus*; 6. Plains Bristlegrass, *Setaria vulpiseta*.
- JJ Midiron Bermuda
  Cynodon dactylon 'Midiron'
  sod, pinned on slopes greater than 6:1.
- KK Harbor Dwarf Nandina
  Nandina domestica 'Harbor Dwarf'
  15 gal., 3' ht., 36" o.c.
- LL Dwarf Chinese Holly
  Ilex cornuta 'Rotunda'
  15 gal., 3' ht., 36" o.c.
- MM Creeping Fig
  Ficus Pumila
  1 gal., staggered 18"-24" o.c.
- NN Mondo Grass
  Ophiopogon japonicus
  4" pot, max. 8" o.c., diamond pattern.
- OO Cleyera
  Ternstroemia gymnathera
  7gal., container, planted 18" o.c.

PLANTING NOTES:

1. All tree locations that are shown shall be staked by the Landscape Contractor and the stakes approved in writing by the town of Addison and Landscape Architect, prior to any tree planting.
2. Any and all tree plantings shall not be planted less than five feet (clear) to the back of the pond edge walls.
3. See planting detail (1/L1-22) for special staking detail for tree plantings located on the islands.
4. Civil information for reference only. Verify actual location of utilities with Civil drawings.
5. All undimensioned trees for contractor to stake.
6. Contractor to provide aeration, pruning, and fertilization of preserved live oaks by an ISA certified arborist prior to construction around the trees.
7. Landscape contractor's scope of work to begin at finished grade minus 4".

NO.	REVISION	BY	DATE
1	TREE RELOCATION	KSS	12/21/10
2	PLANTING REVISIONS	KSS	06/23/11

TOWN OF ADDISON
DALLAS COUNTY, TEXAS

PARK AND STREETSCAPE IMPROVEMENTS
VITRUVIAN PARK

NORTHERN PARK AREA - D
PLANTING PLAN - TREES

KEVIN SLOAN STUDIO
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PROJECT	DESIGN	DRAWN	DATE	FILE	SHEET
5029-01	KWS	JP	DEC. 18, 2009	PW # 2009-04	L11-09

PARK AND STREETSCAPE IMPROVEMENTS - VITRUVIAN PARK

0' 8' 16' 32'

1
L11-09
Northern Park Area - D, Planting Plan - Trees

PLANT QUANTITIES

F (4) Red Oak
Quercus texana
4" cal, B&B.

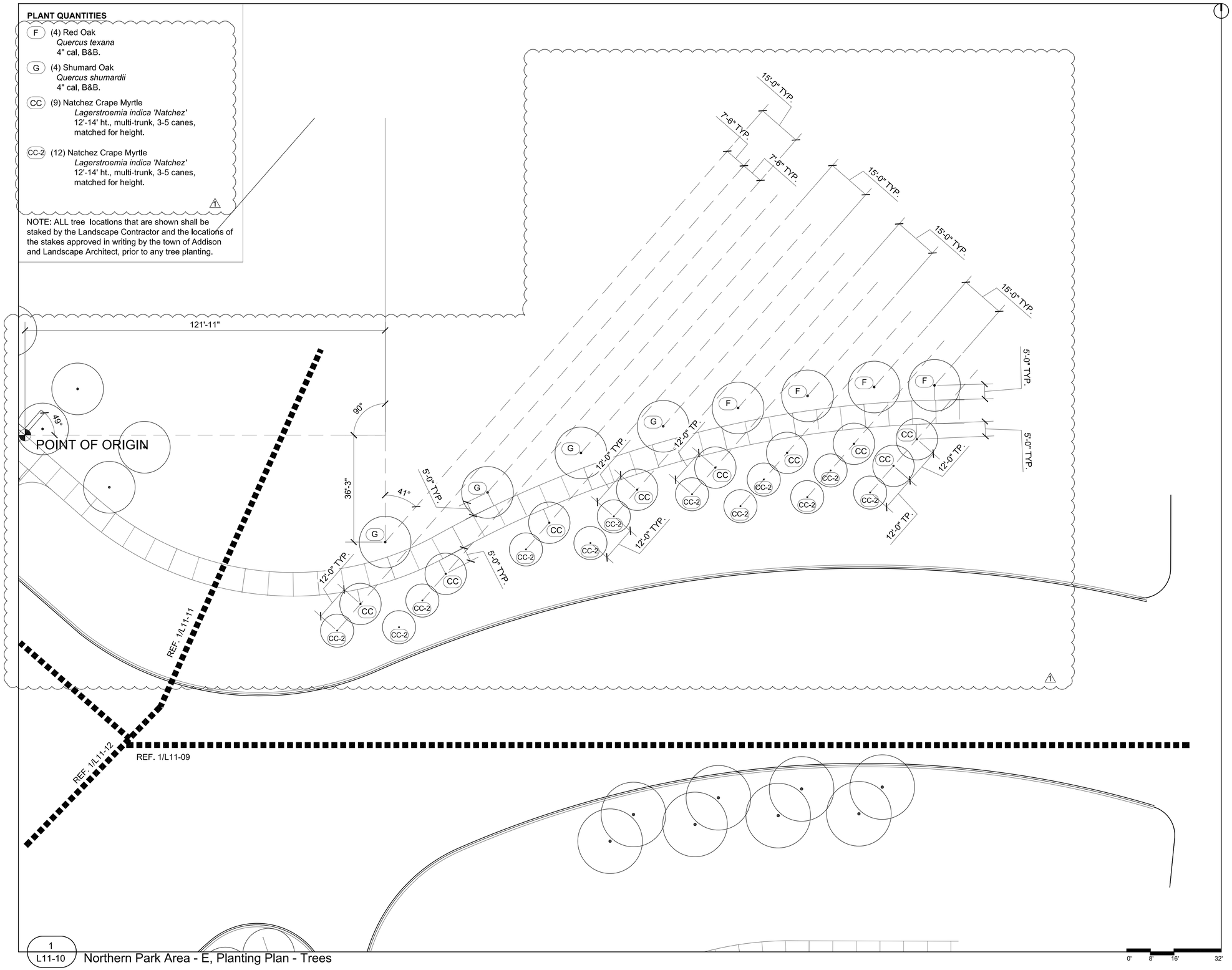
G (4) Shumard Oak
Quercus shumardii
4" cal, B&B.

CC (9) Natchez Crape Myrtle
Lagerstroemia indica 'Natchez'
12'-14' ht., multi-trunk, 3-5 canes, matched for height.

CC-2 (12) Natchez Crape Myrtle
Lagerstroemia indica 'Natchez'
12'-14' ht., multi-trunk, 3-5 canes, matched for height.

1

NOTE: ALL tree locations that are shown shall be staked by the Landscape Contractor and the locations of the stakes approved in writing by the town of Addison and Landscape Architect, prior to any tree planting.



1
L11-10
Northern Park Area - E, Planting Plan - Trees

0' 8' 16' 32'

PLANTING LEGEND

- A — Existing Tree to remain. Reference specifications for existing tree protection and treatment.
- B — Preserved Live Oak. *Quercus virginiana*. On-site, field dug specimen, requires 168" tree spade to move, LA to select and place. Ref. to "Tree Preservation Area Legend & Notes" (Inset on sheets L11-03, L11-04, L11-05 & L11-08) for number suffix.
- C — Live Oak. *Quercus virginiana*. 4" cal, single trunk, container grown.
- C1 — Live Oak, 'High Rise'. *Quercus virginiana, 'QVTIA'*. 4" cal, single trunk, container grown.
- D — NOT USED.
- E — NOT USED.
- F — Red Oak. *Quercus texana*. 4" cal, container grown.
- G — Shumard Oak. *Quercus shumardii*. 4" cal, container grown.
- H — Chinkapin Oak. *Quercus muhlenbergii*. 4" cal, container grown.
- I — Bald Cypress. *Taxodium distichum*. 4" cal, container grown.
- J — Pond Cypress. *Taxodium ascendens*. 4" cal, container grown.
- K — Texas Ash. *Fraxinus texensis*. 4" cal, container grown.
- L — Lacebark Elm. *Ulmus parvifolia*. 4" caliper, container grown.
- M — River Birch. *Betula nigra*. 12-14' ht., 3-5 canes each, B&B.
- AA — NOT USED.
- BB — Savannah Holly. *Ilex opaca x attenuata 'Savannah'*. 4" cal, single trunk, 12' ht, tree form, container grown.
- CC — Natchez Crape Myrtle. *Lagerstroemia indica 'Natchez'*. 12'-14' ht, multi trunk, 3-5 canes, grown for height.
- CC-2 — Natchez Crape Myrtle. *Lagerstroemia indica 'Natchez'*. 10'-12' ht, multi trunk, 3-5 canes, grown for height.
- DD — Oklahoma Redbud. *Cercis canadensis 'Oklahoma'*. 3"-3 ½" cal, 8' ht, container grown
- EE — Weeping Love Grass. Eragrostis curvula
- FF — Vitex. *Vitex agnus-castus*. 65 gal, 10' ht, container, grown for height.
- GG — Asian Jasmine. *Trachelospermum asiaticum*. 1 gal, plant 18" o.c.
- HH — Horsetail Reed. *Equisetum hyemale*. 1 gal, plant 18" o.c.
- II — Grass Mix for Hydromulch. Reference specifications for percentage of each seed for mixture: 1. Sideoats Grama, *Bouteloua curtipendula*; 2. Inland Sea Oats, *Chasmanthium latifolium*; 3. Prairie Wild Rye, *Elymus canadensis*; 4. Purple Top, *Tridens flavus*; 5. Virginia Wild Rye, *Elymus virginicus*; 6. Plains Bristlegrass, *Setaria vulpiseta*.
- JJ — Midiron Bermuda. *Cynodon dactylon* 'Midiron' sod, pinned on slopes greater than 6:1.
- KK — Harbor Dwarf Nandina. *Nandina domestica* 'Harbor Dwarf' 15 gal., 3' ht., 36" o.c.
- LL — Dwarf Chinese Holly. *Ilex cornuta 'Rotunda'*. 15 gal., 3' ht., 36" o.c.
- MM — Creeping Fig. *Ficus Pumila*. 1 gal., staggered 18"-24" o.c.
- NN — Mondo Grass. *Ophiopogon japonicus*. 4" pot, max. 8" o.c., diamond pattern.
- OO — Cleyera. *Ternstroemia gymnathera*. 7gal., container, planted 18" o.c.

PLANTING NOTES:

1. All tree locations that are shown shall be staked by the Landscape Contractor and the stakes approved in writing by the town of Addison and Landscape Architect, prior to any tree planting.
2. Any and all tree plantings shall not be planted less than five feet (clear) to the back of the pond edge walls.
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6. Contractor to provide aeration, pruning, and fertilization of preserved live oaks by an ISA certified arborist prior to construction around the trees.
7. Landscape contractor's scope of work to begin at finished grade minus 4".

NO.	REVISION	BY	DATE
1	PLANTING REVISIONS	KSS	06/23/10

TOWN OF ADDISON
DALLAS COUNTY, TEXAS

PARK AND STREETSCAPE IMPROVEMENTS
VITRUVIAN PARK

NORTHERN PARK AREA -E PLANTING PLAN - TREES

KEVIN SLOAN STUDIO
2400 Empire Central, Suite F
Dallas, Texas 75235 (214) 459-1784

PROJECT	DESIGN	DRAWN	DATE	FILE	SHEET
5029-01	KWS	JP	DEC. 18, 2009	PW # 2009-04	L11-10

PARK AND STREETSCAPE IMPROVEMENTS - VITRUVIAN PARK

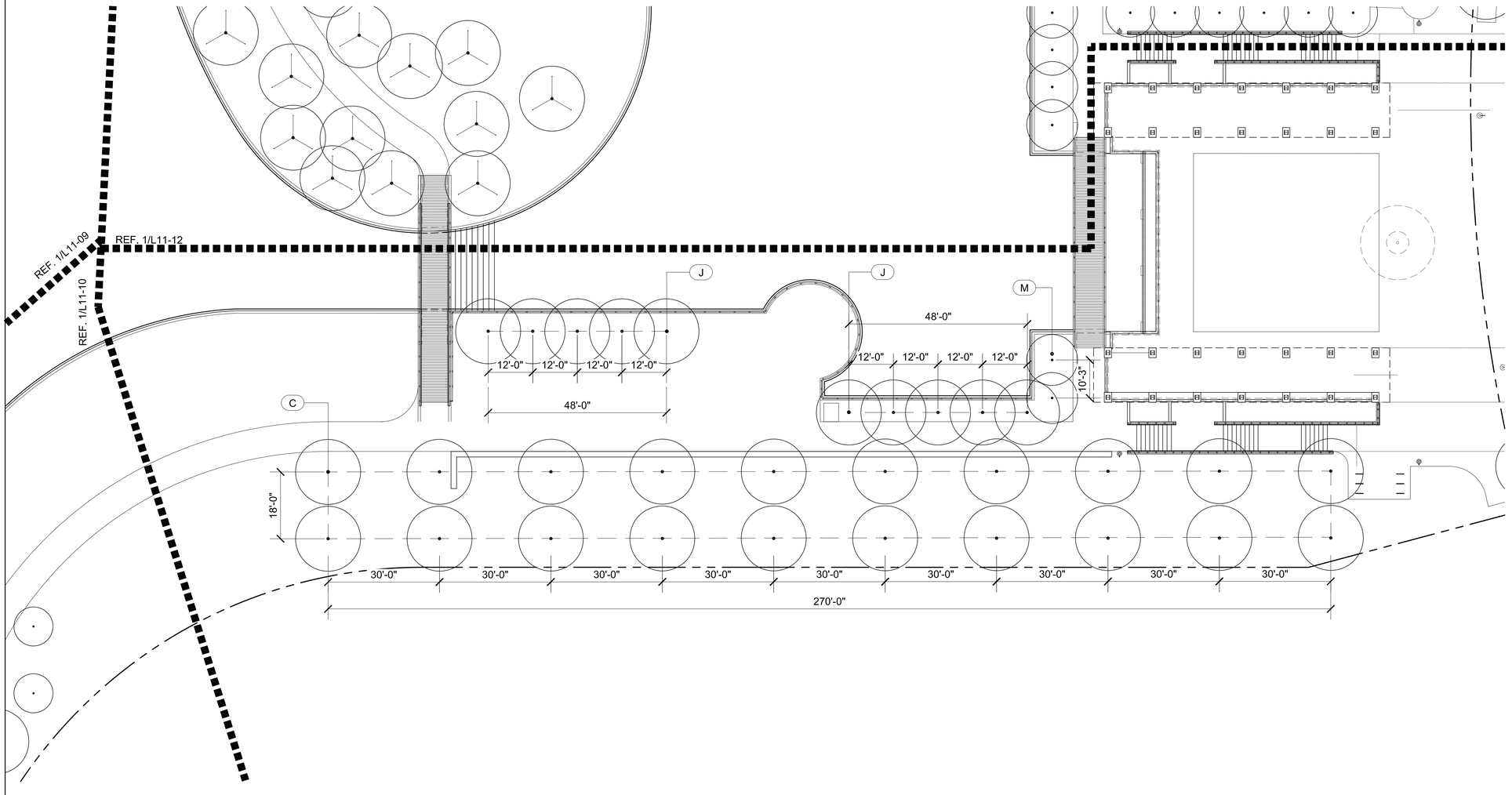
PLANT QUANTITIES

(C) (20) Live Oak
Quercus virginiana
4" cal, single trunk, container matched.

(J) (10) Pond Cypress
Taxodium ascendens
4" cal, single trunk, container matched.

(M) (2) River Birch
Betula nigra
4" cal, container matched.

NOTE: ALL tree locations that are shown shall be staked by the Landscape Contractor and the locations of the stakes approved in writing by the town of Addison and Landscape Architect, prior to any tree planting.



1
L11-11
Northern Park Area - F, Planting Plan - Trees

0' 8' 16' 32'

PLANTING LEGEND

- (A) Existing Tree to remain
  Reference specifications for existing tree protection and treatment.
- (B) Preserved Live Oak
  Quercus virginiana
  On-site, field dug specimen, requires 168" tree spade to move, LA to select and place. Ref. to "Tree Preservation Area Legend & Notes" (Inset on sheets L11-03, L11-04, L11-05 & L11-08) for number suffix.
- (C) Live Oak
  Quercus virginiana
  4" cal, single trunk, container grown.
- (C1) Live Oak, 'High Rise'
  Quercus virginiana, 'QVTIA'
  4" cal, single trunk, container grown.
- (D) NOT USED.
- (E) NOT USED.
- (F) Red Oak
  Quercus texana
  4" cal, container grown.
- (G) Shumard Oak
  Quercus shumardii
  4" cal, container grown.
- (H) Chinkapin Oak
  Quercus muhlenbergii
  4" cal, container grown.
- (I) Bald Cypress
  Taxodium distichum
  4" cal, container grown.
- (J) Pond Cypress
  Taxodium ascendens
  4" cal, container grown.
- (K) Texas Ash
  Fraxinus texensis
  4" cal, container grown.
- (L) Lacebark Elm
  Ulmus parvifolia
  4" caliper, container grown.
- (M) River Birch
  Betula nigra
  12-14' ht., 3-5 canes each, B&B.
- (AA) NOT USED.
- (BB) Savannah Holly
  Ilex opaca x attenuata 'Savannah'
  4" cal, single trunk, 12' ht, tree form, container grown.
- (CC) Natchez Crape Myrtle
  Lagerstroemia indica 'Natchez'
  12'-14' ht, multi trunk, 3-5 canes, grown for height.
- (CC-2) Natchez Crape Myrtle
  Lagerstroemia indica 'Natchez'
  10'-12' ht, multi trunk, 3-5 canes, grown for height.
- (DD) Oklahoma Redbud
  Cercis canadensis 'Oklahoma'
  3"-3 ½" cal, 8' ht, container grown
- (EE) Weeping Love Grass
  Eragrostis curvula
- (FF) Vitex
  Vitex agnus-castus
  65 gal, 10' ht, container, grown for height.
- (GG) Asian Jasmine
  Trachelospermum asiaticum
  1 gal, plant 18" o.c.
- (HH) Horsetail Reed
  Equisetum hyemale
  1 gal, plant 18" o.c.
- (II) Grass Mix for Hydromulch
  Reference specifications for percentage of each seed for mixture: 1. Sideoats Grama, *Bouteloua curtipendula*; 2. Inland Sea Oats, *Chasmanthium latifolium*; 3. Prairie Wild Rye, *Elymus canadensis*; 4. Purple Top, *Tridens flavus*; 5. Virginia Wild Rye, *Elymus virginicus*; 6. Plains Bristlegrass, *Setaria vulpiseta*.
- (JJ) Midiron Bermuda
  Cynodon dactylon 'Midiron'
  sod, pinned on slopes greater than 6:1.
- (KK) Harbor Dwarf Nandina
  Nandina domestica 'Harbor Dwarf'
  15 gal., 3' ht., 36" o.c.
- (LL) Dwarf Chinese Holly
  Ilex cornuta 'Rotunda'
  15 gal., 3' ht., 36" o.c.
- (MM) Creeping Fig
  Ficus Pumila
  1 gal., staggered 18"-24" o.c.
- (NN) Mondo Grass
  Ophiopogon japonicus
  4" pot, max. 8" o.c., diamond pattern.

PLANTING NOTES:

1. All tree locations that are shown shall be staked by the Landscape Contractor and the stakes approved in writing by the town of Addison and Landscape Architect, prior to any tree planting.
2. Any and all tree plantings shall not be planted less than five feet (clear) to the back of the pond edge walls.
3. See planting detail (1/L1-22) for special staking detail for tree plantings located on the islands.
4. Civil information for reference only. Verify actual location of utilities with Civil drawings.
5. All undimensioned trees for contractor to stake.
6. Contractor to provide aeration, pruning, and fertilization of preserved live oaks by an ISA certified arborist prior to construction around the trees.
7. Landscape contractor's scope of work to begin at finished grade minus 4".

REGISTERED LANDSCAPE ARCHITECT
KEVIN W. SLOAN
2296
STATE OF TEXAS

NO.	REVISION	BY	DATE

Addison TOWN OF ADDISON
DALLAS COUNTY, TEXAS

PARK AND STREETSCAPE IMPROVEMENTS
VITRUVIAN PARK

NORTHERN PARK AREA - F
PLANTING PLAN - TREES

KEVIN SLOAN STUDIO
4145 Travis, Suite 105
Dallas, Texas 75204 (214) 379-1061

PROJECT	DESIGN	DRAWN	DATE	FILE	SHEET
5029-01	KWS	JP	APR 26, 2010	PW # 2009-04	L11-11

PARK AND STREETSCAPE IMPROVEMENTS - VITRUVIAN PARK

PLANT QUANTITIES

(C) (6) Live Oak
Quercus virginiana
4" cal., single trunk, container matched.

(F) (7) Red Oak
Quercus falcata
4" cal., container matched.

(I) (35) Bald Cypress
Taxodium distichum
4" cal, B&B.

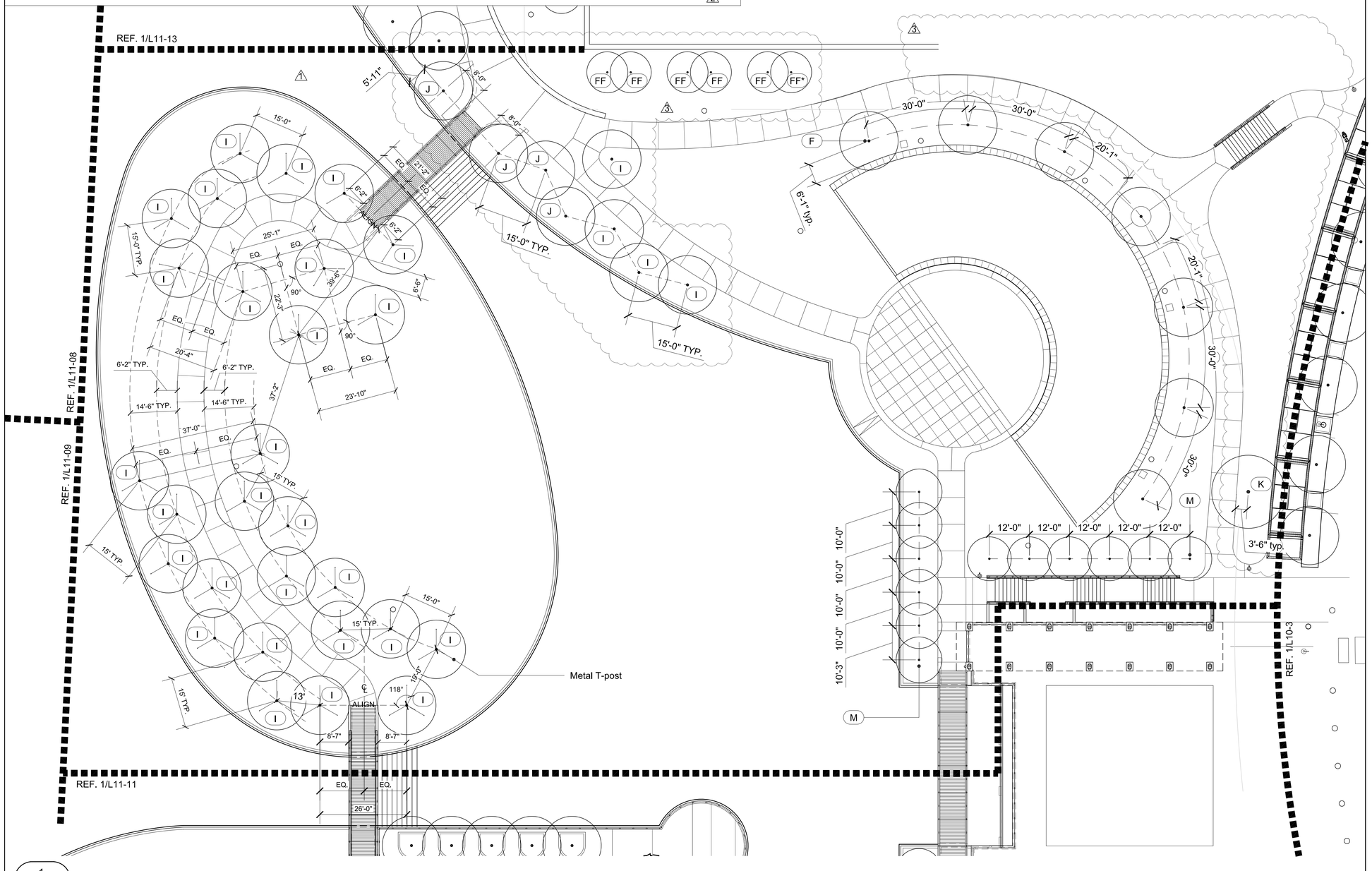
(J) (4) Pond Cypress
Taxodium ascendens
4" cal, B&B.

(K) (1) Texas Ash
Fraxinus texensis
4" cal, B&B.

(M) (12) River Birch
Betula nigra
12-14' ht., 3-5 canes each, B&B.

(FF) (6) Vitex
Vitex agnus-castus
65 gal, 10' ht, container, matched for height.

NOTE: ALL tree locations that are shown shall be staked by the Landscape Contractor and the locations of the stakes approved in writing by the town of Addison and Landscape Architect, prior to any tree planting; staking shown in relation to flow of creek (Ref. L1-21).



1 L11-12 Northern Park Area - G, Planting Plan - Trees

0' 8' 16' 32'

PLANTING LEGEND

A	Existing Tree to remain Reference specifications for existing tree protection and treatment.	CC	Natchez Crape Myrtle *Lagerstroemia indica 'Natchez'* 12'-14' ht, multi trunk, 3-5 canes, grown for height.
B	Preserved Live Oak *Quercus virginiana* On-site, field dug specimen, requires 168" tree spade to move, LA to select and place. Ref. to "Tree Preservation Area Legend & Notes" (Inset on sheets L11-03, L11-04, L11-05 & L11-08) for number suffix.	CC-2	Natchez Crape Myrtle *Lagerstroemia indica 'Natchez'* 10'-12' ht, multi trunk, 3-5 canes, grown for height.
C	Live Oak *Quercus virginiana* 4" cal, single trunk, container grown.	DD	Oklahoma Redbud *Cercis canadensis 'Oklahoma'* 3"-3 ½" cal, 8' ht, container grown
C1	Live Oak, 'High Rise' *Quercus virginiana, 'QVTIA'* 4" cal, single trunk, container grown.	EE	Weeping Love Grass Eragrostis curvula
D	NOT USED.	FF	Vitex *Vitex agnus-castus* 65 gal, 10' ht, container, grown for height.
E	NOT USED.	GG	Asian Jasmine *Trachelospermum asiaticum* 1 gal, plant 18" o.c.
F	Red Oak *Quercus texana* 4" cal, container grown.	HH	Horsetail Reed *Equisetum hyemale* 1 gal, plant 18" o.c.
G	Shumard Oak *Quercus shumardii* 4" cal, container grown.	II	Grass Mix for Hydromulch Reference specifications for percentage of each seed for mixture: 1. Sideoats Grama, *Bouteloua curtipendula*; 2. Inland Sea Oats, *Chasmanthium latifolium*; 3. Prairie Wild Rye, *Elymus canadensis*; 4. Purple Top, *Tridens flavus*; 5. Virginia Wild Rye, *Elymus virginicus*; 6. Plains Bristlegrass, *Setaria vulpiseta*.
H	Chinkapin Oak *Quercus muhlenbergii* 4" cal, container grown.	JJ	Midiron Bermuda *Cynodon dactylon* 'Midiron' sod, pinned on slopes greater than 6:1.
I	Bald Cypress *Taxodium distichum* 4" cal, container grown.	KK	Harbor Dwarf Nandina *Nandina domestica* 'Harbor Dwarf' 15 gal., 3' ht., 36" o.c.
J	Pond Cypress *Taxodium ascendens* 4" cal, container grown,	LL	Dwarf Chinese Holly *Ilex cornuta 'Rotunda'* 15 gal., 3' ht., 36" o.c.
K	Texas Ash *Fraxinus texensis* 4" cal, container grown.	MM	Creeping Fig *Ficus Pumila* 1 gal., staggered 18"-24" o.c.
L	Lacebark Elm *Ulmus parvifolia* 4" caliper, container grown.	NN	Mondo Grass *Ophiopogon japonicus* 4" pot, max. 8" o.c., diamond pattern.
M	River Birch *Betula nigra* 12-14' ht., 3-5 canes each, B&B.	OO	Cleyera *Ternstroemia gymnathera* 7gal., container, planted 18" o.c.
AA	NOT USED.		
BB	Savannah Holly *Ilex opaca x attenuata 'Savannah'* 4" cal, single trunk, 12' ht, tree form, container grown.		

PLANTING NOTES:

1. All tree locations that are shown shall be staked by the Landscape Contractor and the stakes approved in writing by the town of Addison and Landscape Architect, prior to any tree planting.
2. Any and all tree plantings shall not be planted less than five feet (clear) to the back of the pond edge walls.
3. See planting detail (1/L1-22) for special staking detail for tree plantings located on the islands.
4. Civil information for reference only. Verify actual location of utilities with Civil drawings.
5. All undimensioned trees for contractor to stake.
6. Contractor to provide aeration, pruning, and fertilization of preserved live oaks by an ISA certified arborist prior to construction around the trees.
7. Landscape contractor's scope of work to begin at finished grade minus 4".

NO.	REVISION	BY	DATE
1.	PLANTING REVISIONS	KSS	06/16/11
2.	PLANTING REVISIONS	KSS	06/23/11
3.	PLANTING REVISIONS	KSS	09/21/11

TOWN OF ADDISON
DALLAS COUNTY, TEXAS

PARK AND STREETSCAPE IMPROVEMENTS
VITRUVIAN PARK

NORTHERN PARK AREA - G PLANTING PLAN - TREES

KEVIN SLOAN STUDIO
2400 Empire Central, Suite F
Dallas, Texas 75235 (214) 459-1784

PROJECT	DESIGN	DRAWN	DATE	FILE	SHEET
5029-01	KWS	JP	DEC. 18, 2009	PW # 2009-04	L11-12

PARK AND STREETSCAPE IMPROVEMENTS - VITRUVIAN PARK

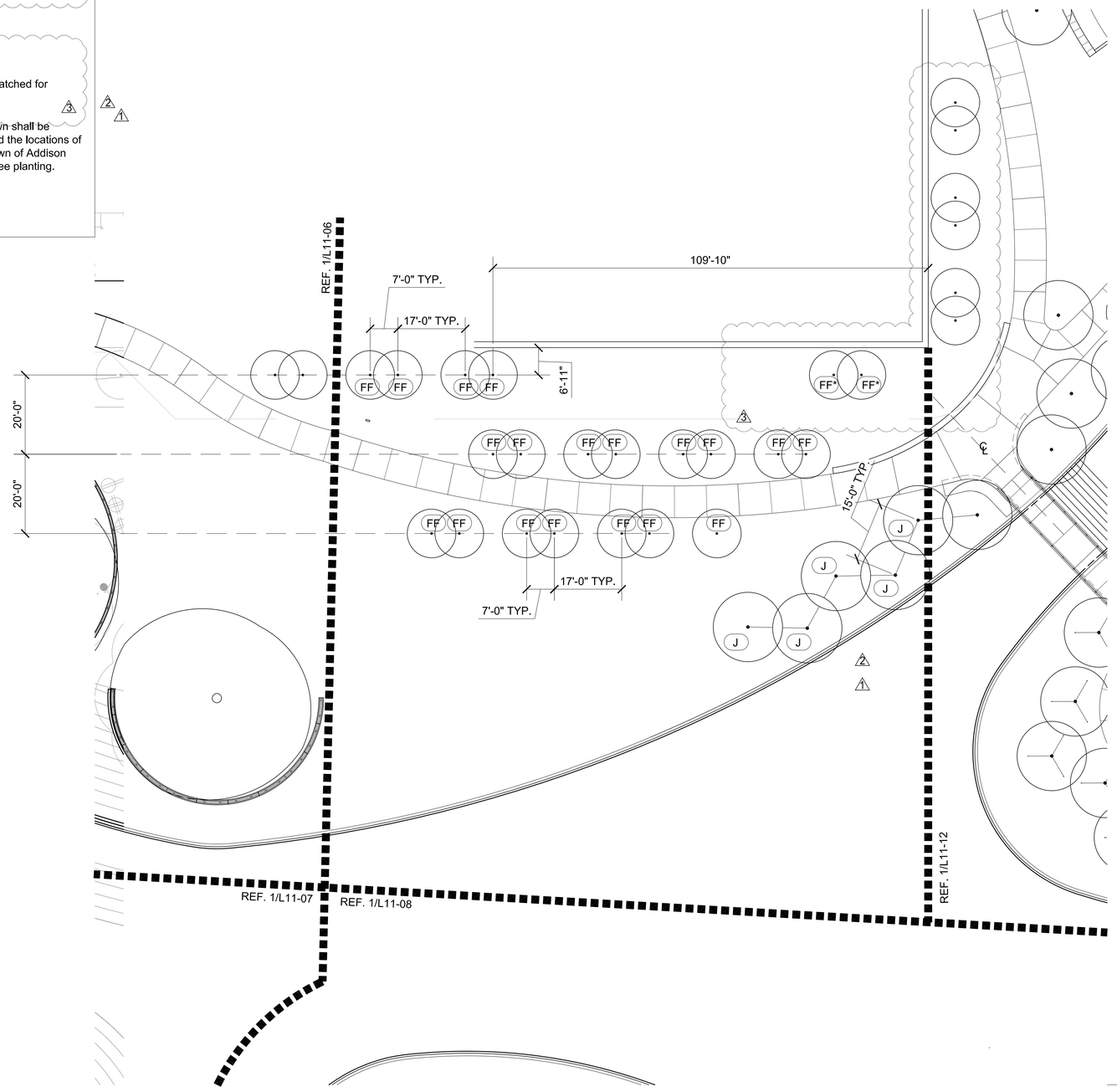
PLANT QUANTITIES

(I) (0) Bald Cypress
Taxodium distichum
4" cal, B&B. 3

(J) (5) Pond Cypress
Taxodium ascendens
4" cal, B&B.

(FF) (23) Vitex
Vitex agnus-castus
65 gal, 10' ht, container, matched for height. 3

NOTE: ALL tree locations that are shown shall be staked by the Landscape Contractor and the locations of the stakes approved in writing by the town of Addison and Landscape Architect, prior to any tree planting.



0' 8' 16' 32'

PLANTING LEGEND

- (A) Existing Tree to remain
  Reference specifications for existing tree protection and treatment.
- (B) Preserved Live Oak
  Quercus virginiana
  On-site, field dug specimen, requires 168" tree spade to move, LA to select and place. Ref. to "Tree Preservation Area Legend & Notes" (Inset on sheets L11-03, L11-04, L11-05 & L11-08) for number suffix.
- (C) Live Oak
  Quercus virginiana
  4" cal, single trunk, container grown.
- (C1) Live Oak, 'High Rise'
  Quercus virginiana, 'QVTIA'
  4" cal, single trunk, container grown.
- (D) NOT USED.
- (E) NOT USED.
- (F) Red Oak
  Quercus texana
  4" cal, container grown.
- (G) Shumard Oak
  Quercus shumardii
  4" cal, container grown.
- (H) Chinkapin Oak
  Quercus muhlenbergii
  4" cal, container grown.
- (I) Bald Cypress
  Taxodium distichum
  4" cal, container grown.
- (J) Pond Cypress
  Taxodium ascendens
  4" cal, container grown,
- (K) Texas Ash
  Fraxinus texensis
  4" cal, container grown.
- (L) Lacebark Elm
  Ulmus parvifolia
  4" caliper, container grown.
- (M) River Birch
  Betula nigra
  12-14' ht., 3-5 canes each, B&B.
- (AA) NOT USED.
- (BB) Savannah Holly
  Ilex opaca x attenuata 'Savannah'
  4" cal, single trunk, 12' ht, tree form, container grown.
- (CC) Natchez Crape Myrtle
  Lagerstroemia indica 'Natchez'
  12'-14' ht, multi trunk, 3-5 canes, grown for height.
- (CC-2) Natchez Crape Myrtle
  Lagerstroemia indica 'Natchez'
  10'-12' ht, multi trunk, 3-5 canes, grown for height.
- (DD) Oklahoma Redbud
  Cercis canadensis 'Oklahoma'
  3"-3 ½" cal, 8' ht, container grown
- (EE) Weeping Love Grass
  Eragrostis curvula
- (FF) Vitex
  Vitex agnus-castus
  65 gal, 10' ht, container, grown for height.
- (GG) Asian Jasmine
  Trachelospermum asiaticum
  1 gal, plant 18" o.c.
- (HH) Horsetail Reed
  Equisetum hyemale
  1 gal, plant 18" o.c.
- (II) Grass Mix for Hydromulch
  Reference specifications for percentage of each seed for mixture: 1. Sideoats Grama, *Bouteloua curtipendula*; 2. Inland Sea Oats, *Chasmanthium latifolium*; 3. Prairie Wild Rye, *Elymus canadensis*; 4. Purple Top, *Tridens flavus*; 5. Virginia Wild Rye, *Elymus virginicus*; 6. Plains Bristlegrass, *Setaria vulpiseta*.
- (JJ) Midiron Bermuda
  Cynodon dactylon 'Midiron'
  sod, pinned on slopes greater than 6:1.
- (KK) Harbor Dwarf Nandina
  Nandina domestica 'Harbor Dwarf'
  15 gal., 3' ht., 36" o.c.
- (LL) Dwarf Chinese Holly
  Ilex cornuta 'Rotunda'
  15 gal., 3' ht., 36" o.c.
- (MM) Creeping Fig
  Ficus Pumila
  1 gal., staggered 18"-24" o.c.
- (NN) Mondo Grass
  Ophiopogon japonicus
  4" pot, max. 8" o.c., diamond pattern.
- (OO) Cleyera
  Ternstroemia gymnathera
  7gal., container, planted 18" o.c.

PLANTING NOTES:

1. All tree locations that are shown shall be staked by the Landscape Contractor and the stakes approved in writing by the town of Addison and Landscape Architect, prior to any tree planting.
2. Any and all tree plantings shall not be planted less than five feet (clear) to the back of the pond edge walls.
3. See planting detail (1/L1-22) for special staking detail for tree plantings located on the islands.
4. Civil information for reference only. Verify actual location of utilities with Civil drawings.
5. All undimensioned trees for contractor to stake.
6. Contractor to provide aeration, pruning, and fertilization of preserved live oaks by an ISA certified arborist prior to construction around the trees.
7. Landscape contractor's scope of work to begin at finished grade minus 4".

NO.	REVISION	BY	DATE
1	PLANTING REVISIONS	KSS	2/14/11
2	PLANTING REVISIONS	KSS	6/23/11
3	PLANTING REVISIONS	KSS	9/21/11

TOWN OF ADDISON
DALLAS COUNTY, TEXAS

PARK AND STREETSCAPE IMPROVEMENTS
VITRUVIAN PARK

NORTHERN PARK AREA - H
PLANTING PLAN - TREES

KEVIN SLOAN STUDIO
2400 Empire Central, Suite F
Dallas, Texas 75235 (214) 459-1784

PROJECT	DESIGN	DRAWN	DATE	FILE	SHEET
5029-01	KWS	JP	DEC. 18, 2009	PW # 2009-04	L11-13

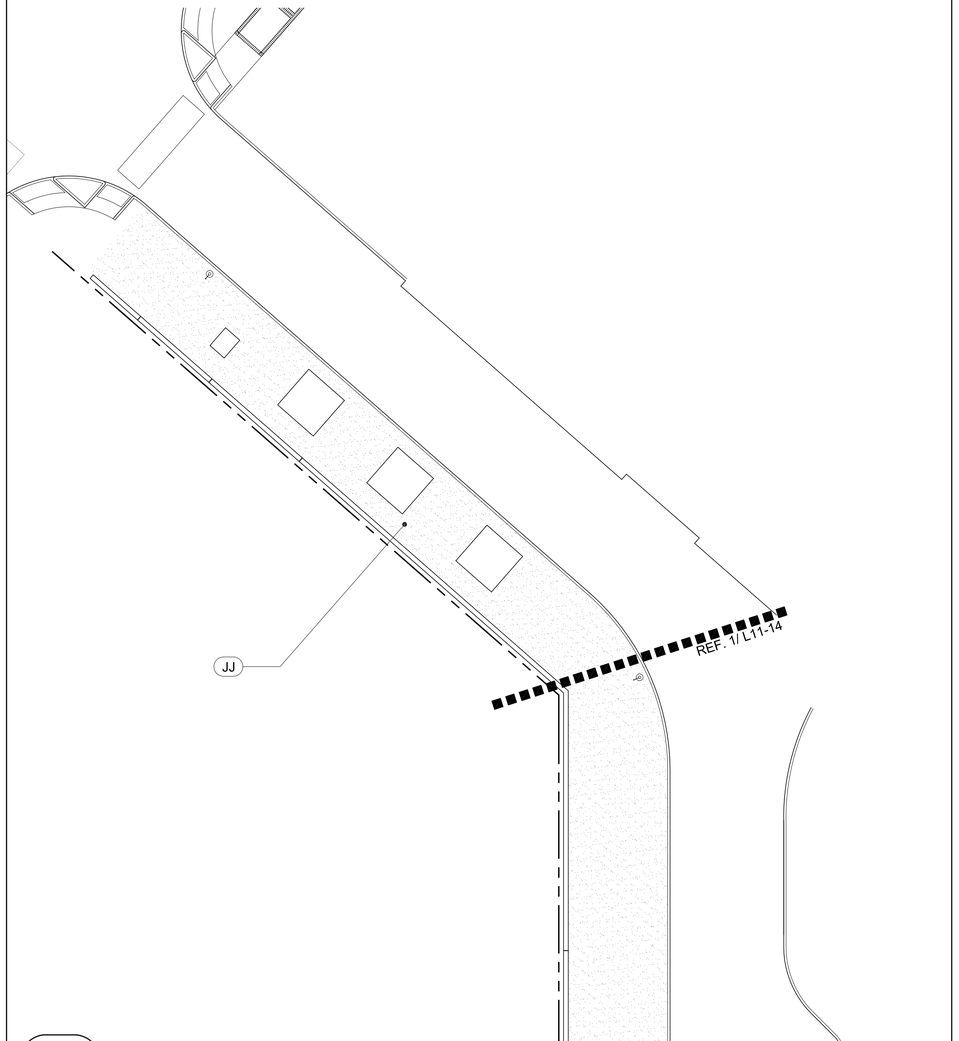
PARK AND STREETSCAPE IMPROVEMENTS - VITRUVIAN PARK

1
L11-13
Northern Park Area - H, Planting Plan - Trees

PLANT QUANTITIES

JJ (2178 sf.) Midiron Bermuda
Cynodon dactylon 'Midiron'
sod, pinned on slopes greater than 6:1.

NOTE: ALL tree locations that are shown shall be staked by the Landscape Contractor and the locations of the stakes approved in writing by the town of Addison and Landscape Architect, prior to any tree planting.

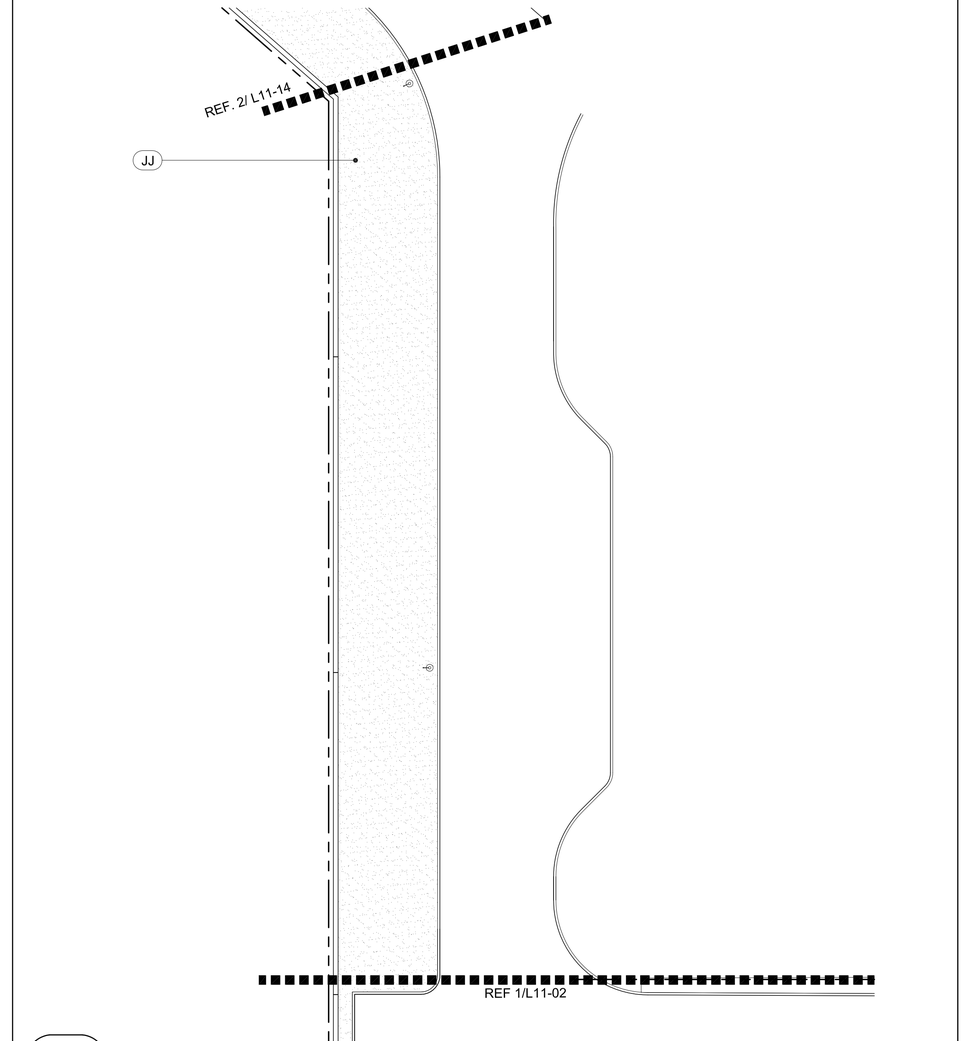


2
L11-14
Southern Parking Area and Drive, Planting Plan - Shrubs, Groundcover & Grasses

PLANT QUANTITIES

JJ (3981 sf.) Midiron Bermuda
Cynodon dactylon 'Midiron'
sod, pinned on slopes greater than 6:1.

NOTE: ALL tree locations that are shown shall be staked by the Landscape Contractor and the locations of the stakes approved in writing by the town of Addison and Landscape Architect, prior to any tree planting.



1
L11-14
Southern Parking Area and Drive, Planting Plan - Shrubs, Groundcover & Grasses

PLANTING LEGEND

- A — Existing Tree to remain. Reference specifications for existing tree protection and treatment.
- B — Preserved Live Oak. *Quercus virginiana*. On-site, field dug specimen, requires 168" tree spade to move, LA to select and place. Ref. to "Tree Preservation Area Legend & Notes" (Inset on sheets L11-03, L11-04, L11-05 & L11-08) for number suffix.
- C — Live Oak. *Quercus virginiana*. 4" cal, single trunk, container grown.
- C1 — Live Oak, 'High Rise'. *Quercus virginiana, 'QVTIA'*. 4" cal, single trunk, container grown.
- D — NOT USED.
- E — NOT USED.
- F — Red Oak. *Quercus texana*. 4" cal, container grown.
- G — Shumard Oak. *Quercus shumardii*. 4" cal, container grown.
- H — Chinkapin Oak. *Quercus muhlenbergii*. 4" cal, container grown.
- I — Bald Cypress. *Taxodium distichum*. 4" cal, container grown.
- J — Pond Cypress. *Taxodium ascendens*. 4" cal, container grown.
- K — Texas Ash. *Fraxinus texensis*. 4" cal, container grown.
- L — Lacebark Elm. *Ulmus parvifolia*. 4" caliper, container grown.
- M — River Birch. *Betula nigra*. 12-14' ht., 3-5 canes each, B&B.
- AA — NOT USED.
- BB — Savannah Holly. *Ilex opaca x attenuata 'Savannah'*. 4" cal, single trunk, 12' ht, tree form, container grown.
- CC — Natchez Crape Myrtle. *Lagerstroemia indica 'Natchez'*. 12'-14' ht, multi trunk, 3-5 canes, grown for height.
- CC-2 — Natchez Crape Myrtle. *Lagerstroemia indica 'Natchez'*. 10'-12' ht, multi trunk, 3-5 canes, grown for height.
- DD — Oklahoma Redbud. *Cercis canadensis 'Oklahoma'*. 3"-3 ½" cal, 8' ht, container grown
- EE — Weeping Love Grass. Eragrostis curvula
- FF — Vitex. *Vitex agnus-castus*. 65 gal, 10' ht, container, grown for height.
- GG — Asian Jasmine. *Trachelospermum asiaticum*. 1 gal, plant 18" o.c.
- HH — Horsetail Reed. *Equisetum hyemale*. 1 gal, plant 18" o.c.
- II — Grass Mix for Hydromulch. Reference specifications for percentage of each seed for mixture: 1. Sideoats Grama, *Bouteloua curtipendula*; 2. Inland Sea Oats, *Chasmanthium latifolium*; 3. Prairie Wild Rye, *Elymus canadensis*; 4. Purple Top, *Tridens flavus*; 5. Virginia Wild Rye, *Elymus virginicus*; 6. Plains Bristlegrass, *Setaria vulpiseta*.
- JJ — Midiron Bermuda. *Cynodon dactylon* 'Midiron' sod, pinned on slopes greater than 6:1.
- KK — Harbor Dwarf Nandina. *Nandina domestica* 'Harbor Dwarf' 15 gal., 3' ht., 36" o.c.
- LL — Dwarf Chinese Holly. *Ilex cornuta 'Rotunda'*. 15 gal., 3' ht., 36" o.c.
- MM — Creeping Fig. *Ficus Pumila*. 1 gal., staggered 18"-24" o.c.
- NN — Mondo Grass. *Ophiopogon japonicus*. 4" pot, max. 8" o.c., diamond pattern.

PLANTING NOTES:

1. All tree locations that are shown shall be staked by the Landscape Contractor and the stakes approved in writing by the town of Addison and Landscape Architect, prior to any tree planting.
2. Any and all tree plantings shall not be planted less than five feet (clear) to the back of the pond edge walls.
3. See planting detail (1/L1-22) for special staking detail for tree plantings located on the islands.
4. Civil information for reference only. Verify actual location of utilities with Civil drawings.
5. All undimensioned trees for contractor to stake.
6. Contractor to provide aeration, pruning, and fertilization of preserved live oaks by an ISA certified arborist prior to construction around the trees.
7. Landscape contractor's scope of work to begin at finished grade minus 4".

REGISTERED LANDSCAPE ARCHITECT
KEVIN W. SLOAN
2296
STATE OF TEXAS

NO.	REVISION	BY	DATE

TOWN OF ADDISON
DALLAS COUNTY, TEXAS

PARK AND STREETSCAPE IMPROVEMENTS
VITRUVIAN PARK

SOUTHERN PARKING AREA AND DRIVE PLANTING PLAN - SHRUBS, GROUNDCOVER & GRASSES

KEVIN SLOAN STUDIO
4145 Travis, Suite 105
Dallas, Texas 75204 (214) 379-1061

PROJECT	DESIGN	DRAWN	DATE	FILE	SHEET
5029-01	KWS	JP	APR 26, 2010	PW # 2009-04	L11-14

PARK AND STREETSCAPE IMPROVEMENTS - VITRUVIAN PARK

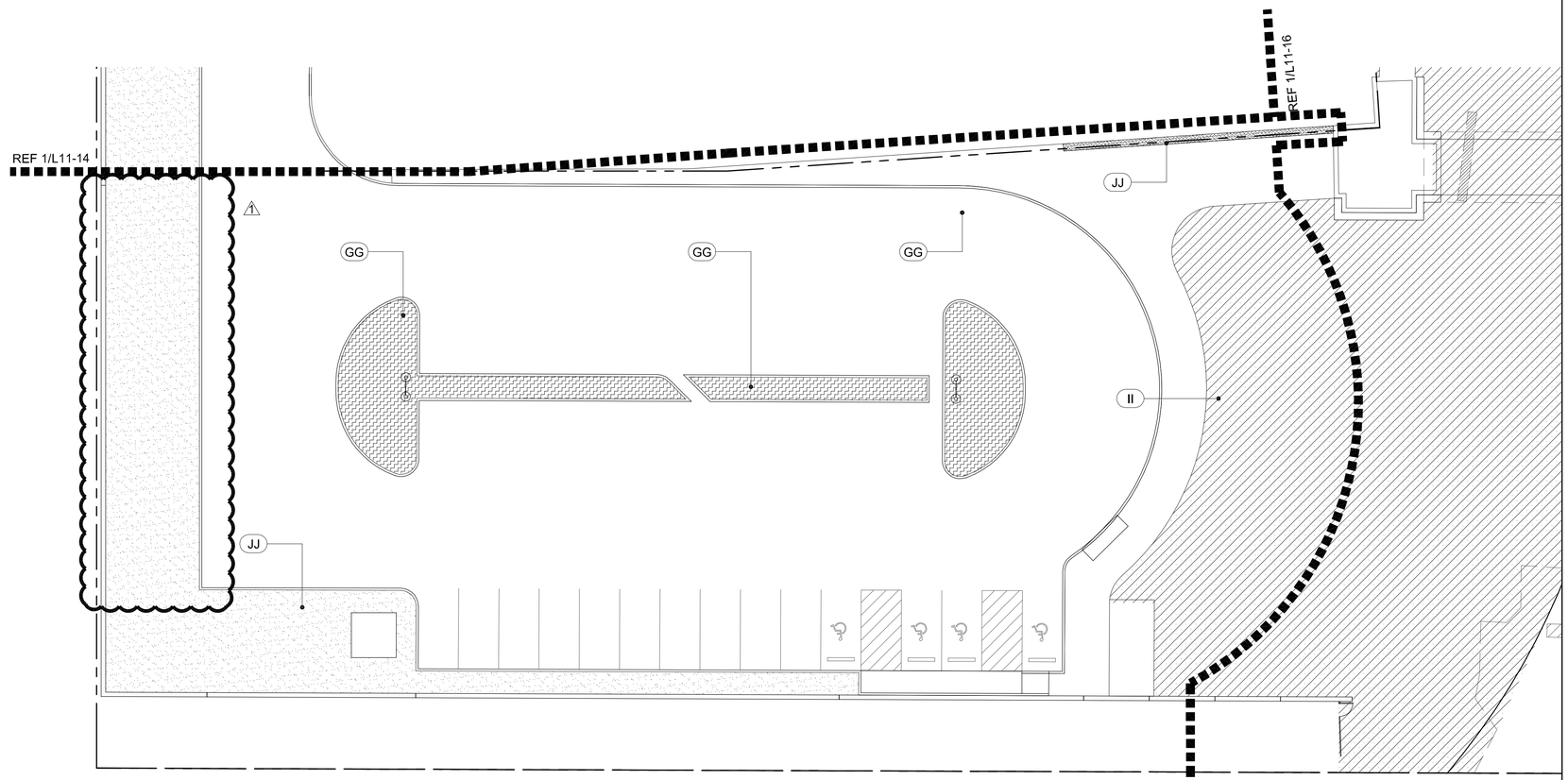
PLANT QUANTITIES

GG (1,638 sf.) Asian Jasmine
Trachelospermum asiaticum
1 gal., plant 18" o.c.

II (3,521 sf.) Grass Mix for Hydromulch
Inland Sea Oats - *Chasmanthium latifolium*
Cherokee Sedge - *Carox cherokeensis*
Star Sedge - *Rhynchospora colorata*

JJ (3,938 sf.) Midiron Bermuda
Cynodon dactylon 'Midiron'
sod, pinned on slopes greater than 6:1.

NOTE: ALL tree locations that are shown shall be staked by the Landscape Contractor and the locations of the stakes approved in writing by the town of Addison and Landscape Architect, prior to any tree planting.



1
L11-15 Southern Parking Area and Drive, Planting Plan - Shrubs, Groundcover & Grasses

0' 8' 16' 32'

PLANTING LEGEND

A Existing Tree to remain
Reference specifications for existing tree protection and treatment.

B Preserved Live Oak
Quercus virginiana
On-site, field dug specimen, requires 168" tree spade to move, LA to select and place. Ref. to "Tree Preservation Area Legend & Notes" (Inset on sheets L11-03, L11-04, L11-05 & L11-08) for number suffix.

C Live Oak
Quercus virginiana
4" cal, single trunk, container grown.

C1 Live Oak, 'High Rise'
Quercus virginiana, 'QVTIA'
4" cal, single trunk, container grown.

D NOT USED.

E NOT USED.

F Red Oak
Quercus texana
4" cal, container grown.

G Shumard Oak
Quercus shumardii
4" cal, container grown.

H Chinkapin Oak
Quercus muhlenbergii
4" cal, container grown.

I Bald Cypress
Taxodium distichum
4" cal, container grown.

J Pond Cypress
Taxodium ascendens
4" cal, container grown.

K Texas Ash
Fraxinus texensis
4" cal, container grown.

L Lacebark Elm
Ulmus parvifolia
4" caliper, container grown.

M River Birch
Betula nigra
12-14' ht., 3-5 canes each, B&B.

AA NOT USED.

BB Savannah Holly
Ilex opaca x attenuata 'Savannah'
4" cal, single trunk, 12' ht, tree form, container grown.

CC Natchez Crape Myrtle
Lagerstroemia indica 'Natchez'
12'-14' ht, multi trunk, 3-5 canes, grown for height.

CC-2 Natchez Crape Myrtle
Lagerstroemia indica 'Natchez'
10'-12' ht, multi trunk, 3-5 canes, grown for height.

DD Oklahoma Redbud
Cercis canadensis 'Oklahoma'
3"-3 ½" cal, 8' ht, container grown

EE Weeping Love Grass
Eragrostis curvula

FF Vitex
Vitex agnus-castus
65 gal, 10' ht, container, grown for height.

GG Asian Jasmine
Trachelospermum asiaticum
1 gal, plant 18" o.c.

HH Horsetail Reed
Equisetum hyemale
1 gal, plant 18" o.c.

II Grass Mix for Hydromulch
Reference specifications for percentage of each seed for mixture: 1. Sideoats Grama, *Bouteloua curtipendula*; 2. Inland Sea Oats, *Chasmanthium latifolium*; 3. Prairie Wild Rye, *Elymus canadensis*; 4. Purple Top, *Tridens flavus*; 5. Virginia Wild Rye, *Elymus virginicus*; 6. Plains Bristlegrass, *Setaria vulpiseta*.

JJ Midiron Bermuda
Cynodon dactylon 'Midiron'
sod, pinned on slopes greater than 6:1.

KK Harbor Dwarf Nandina
Nandina domestica 'Harbor Dwarf'
15 gal., 3' ht., 36" o.c.

LL Dwarf Chinese Holly
Ilex cornuta 'Rotunda'
15 gal., 3' ht., 36" o.c.

MM Creeping Fig
Ficus Pumila
1 gal., staggered 18"-24" o.c.

NN Mondo Grass
Ophiopogon japonicus
4" pot, max. 8" o.c., diamond pattern.

PLANTING NOTES:

1. All tree locations that are shown shall be staked by the Landscape Contractor and the stakes approved in writing by the town of Addison and Landscape Architect, prior to any tree planting.
2. Any and all tree plantings shall not be planted less than five feet (clear) to the back of the pond edge walls.
3. See planting detail (1/L1-22) for special staking detail for tree plantings located on the islands.
4. Civil information for reference only. Verify actual location of utilities with Civil drawings.
5. All undimensioned trees for contractor to stake.
6. Contractor to provide aeration, pruning, and fertilization of preserved live oaks by an ISA certified arborist prior to construction around the trees.
7. Landscape contractor's scope of work to begin at finished grade minus 4".

REGISTERED LANDSCAPE ARCHITECT KEVIN W. SLOAN 2296 STATE OF TEXAS

NO.	REVISION	BY	DATE
1	PLANTING REVISION FOR PAVING REMOVAL	KSS	5/28/10

TOWN OF ADDISON
DALLAS COUNTY, TEXAS

PARK AND STREETSCAPE IMPROVEMENTS
VITRUVIAN PARK

SOUTHERN PARKING AREA AND DRIVE PLANTING PLAN - GROUND COVER & GRASSES

KEVIN SLOAN STUDIO
4145 Travis, Suite 105
Dallas, Texas 75204 (214) 379-1061

PROJECT	DESIGN	DRAWN	DATE	FILE	SHEET
5029-01	KWS	JP	APR 26, 2010	PW # 2009-04	L11-15

PARK AND STREETSCAPE IMPROVEMENTS - VITRUVIAN PARK

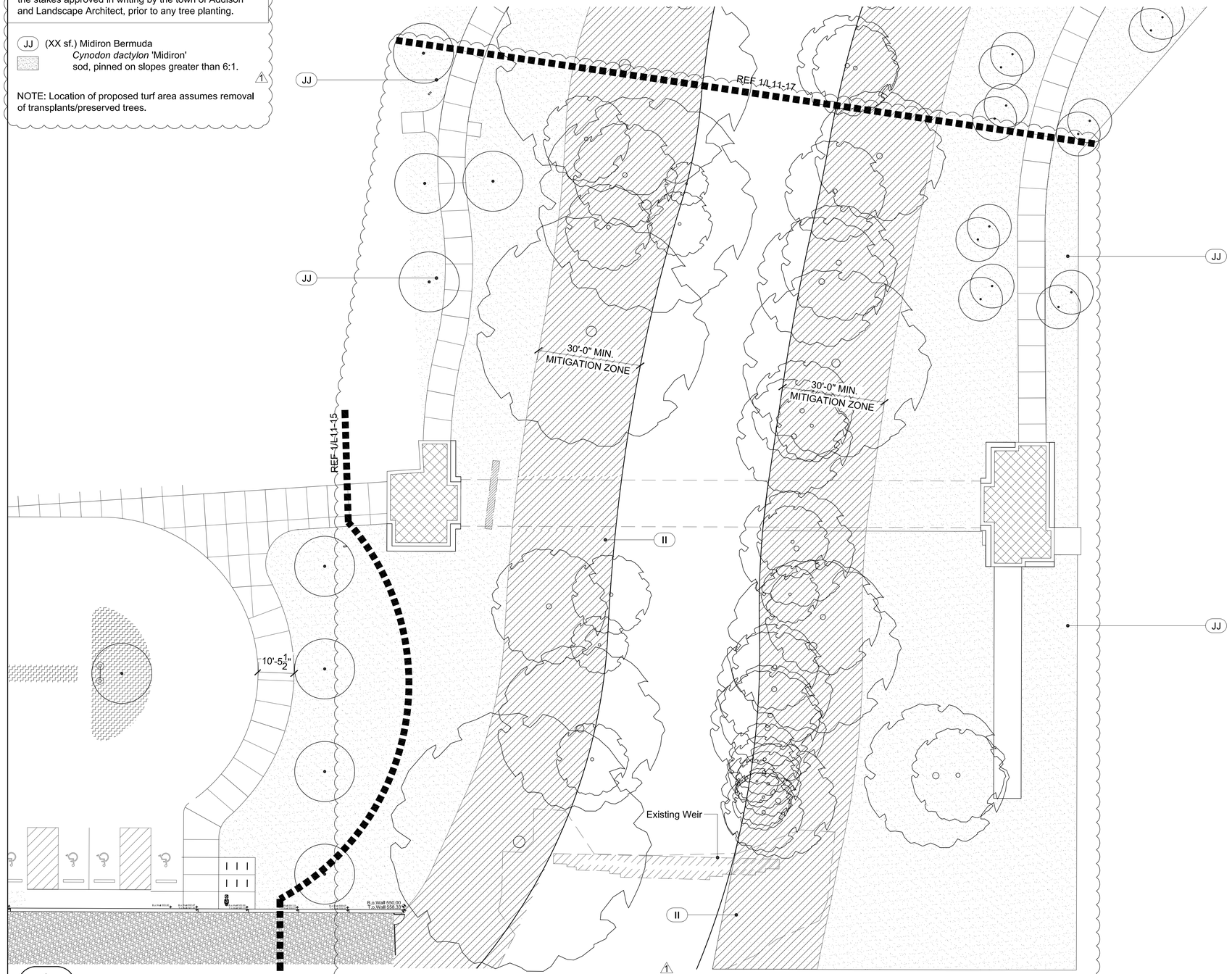
PLANT QUANTITIES

(II) (XX sf.) Grass Mix for Hydromulch
Inland Sea Oats - *Chasmanthium latifolium*
Cherokee Sedge - *Carox cherokeensis*
Star Sedge - *Rhynchospora colorata*

NOTE: ALL tree locations that are shown shall be staked by the Landscape Contractor and the locations of the stakes approved in writing by the town of Addison and Landscape Architect, prior to any tree planting.

(JJ) (XX sf.) Midiron Bermuda
Cynodon dactylon 'Midiron'
sod, pinned on slopes greater than 6:1.

NOTE: Location of proposed turf area assumes removal of transplants/preserved trees.



1
L11-16
Southern Park Area - A, Planting Plan - Shrubs, Groundcover & Grasses

0' 8' 16' 32'

PLANTING LEGEND

- (A) Existing Tree to remain
  Reference specifications for existing tree protection and treatment.
- (B) Preserved Live Oak
  Quercus virginiana
  On-site, field dug specimen, requires 168" tree spade to move, LA to select and place. Ref. to "Tree Preservation Area Legend & Notes" (Inset on sheets L11-03, L11-04, L11-05 & L11-08) for number suffix.
- (C) Live Oak
  Quercus virginiana
  4" cal, single trunk, container grown.
- (C1) Live Oak, 'High Rise'
  Quercus virginiana, 'QVTiA'
  4" cal, single trunk, container grown.
- (D) NOT USED.
- (E) NOT USED.
- (F) Red Oak
  Quercus texana
  4" cal, container grown.
- (G) Shumard Oak
  Quercus shumardii
  4" cal, container grown.
- (H) Chinkapin Oak
  Quercus muhlenbergii
  4" cal, container grown.
- (I) Bald Cypress
  Taxodium distichum
  4" cal, container grown.
- (J) Pond Cypress
  Taxodium ascendens
  4" cal, container grown,
- (K) Texas Ash
  Fraxinus texensis
  4" cal, container grown.
- (L) Lacebark Elm
  Ulmus parvifolia
  4" caliper, container grown.
- (M) River Birch
  Betula nigra
  12-14' ht,, 3-5 canes each, B&B.
- (AA) NOT USED.
- (BB) Savannah Holly
  Ilex opaca x attenuata 'Savannah'
  4" cal, single trunk, 12' ht, tree form, container grown.
- (CC) Natchez Crape Myrtle
  Lagerstroemia indica 'Natchez'
  12'-14' ht, multi trunk, 3-5 canes, grown for height.
- (CC-2) Natchez Crape Myrtle
  Lagerstroemia indica 'Natchez'
  10'-12' ht, multi trunk, 3-5 canes, grown for height.
- (DD) Oklahoma Redbud
  Cercis canadensis 'Oklahoma'
  3"-3 ½" cal, 8' ht, container grown
- (EE) Weeping Love Grass
  Eragrostis curvula
- (FF) Vitex
  Vitex agnus-castus
  65 gal, 10' ht, container, grown for height.
- (GG) Asian Jasmine
  Trachelospermum asiaticum
  1 gal, plant 18" o.c.
- (HH) Horsetail Reed
  Equisetum hyemale
  1 gal, plant 18" o.c.
- (II) Grass Mix for Hydromulch
  Reference specifications for percentage of each seed for mixture: 1. Sideoats Grama, *Bouteloua curtipendula*; 2. Inland Sea Oats, *Chasmanthium latifolium*; 3. Prairie Wild Rye, *Elymus canadensis*; 4. Purple Top, *Tridens flavus*; 5. Virginia Wild Rye, *Elymus virginicus*; 6. Plains Bristlegrass, *Setaria vulpiseta*.
- (JJ) Midiron Bermuda
  Cynodon dactylon 'Midiron'
  sod, pinned on slopes greater than 6:1.
- (KK) Harbor Dwarf Nandina
  Nandina domestica 'Harbor Dwarf'
  15 gal., 3' ht., 36" o.c.
- (LL) Dwarf Chinese Holly
  Ilex cornuta 'Rotunda'
  15 gal., 3' ht., 36" o.c.
- (MM) Creeping Fig
  Ficus Pumila
  1 gal., staggered 18"-24" o.c.
- (NN) Mondo Grass
  Ophiopogon japonicus
  4" pot, max. 8" o.c., diamond pattern.
- (OO) Cleyera
  Ternstroemia gymnathera
  7gal., container, planted 18" o.c.

PLANTING NOTES:

1. All tree locations that are shown shall be staked by the Landscape Contractor and the stakes approved in writing by the town of Addison and Landscape Architect, prior to any tree planting.
2. Any and all tree plantings shall not be planted less than five feet (clear) to the back of the pond edge walls.
3. See planting detail (1/L1-22) for special staking detail for tree plantings located on the islands.
4. Civil information for reference only. Verify actual location of utilities with Civil drawings.
5. All undimensioned trees for contractor to stake.
6. Contractor to provide aeration, pruning, and fertilization of preserved live oaks by an ISA certified arborist prior to construction around the trees.
7. Landscape contractor's scope of work to begin at finished grade minus 4".

NO.	REVISION	BY	DATE
1	SOUTH PARK, SOD-GRASS MIX AREAS		08/09/11

TOWN OF ADDISON
DALLAS COUNTY, TEXAS

PARK AND STREETSCAPE IMPROVEMENTS
VITRUVIAN PARK

SOUTHERN PARK AREA - A PLANTING PLAN - SHRUBS, GROUND COVER & GRASSES

KEVIN SLOAN STUDIO
2400 Empire Central, Suite F
Dallas, Texas 75235 (214) 459-1784

PROJECT	DESIGN	DRAWN	DATE	FILE	SHEET
5029-01	KWS	JP	DEC. 18, 2009	PW # 2009-04	L11-16

PARK AND STREETSCAPE IMPROVEMENTS - VITRUVIAN PARK

PLANT QUANTITIES

(II) (XX sf.) Grass Mix for Hydromulch
Inland Sea Oats - *Chasmanthium latifolium*
Cherokee Sedge - *Carox cherokeensis*
Star Sedge - *Rhynchospora colorata*

NOTE: ALL tree locations that are shown shall be staked by the Landscape Contractor and the locations of the stakes approved in writing by the town of Addison and Landscape Architect, prior to any tree planting.

(JJ) (XX sf.) Midiron Bermuda
Cynodon dactylon 'Midiron'
sod, pinned on slopes greater than 6:1.

(JJ*) (XX sf.) Midiron Bermuda
Cynodon dactylon 'Midiron'
sod, pinned on slopes greater than 6:1.
* Proposed area within 30' mitigation zone to be planted with sod.

NOTE: Location of proposed turf area assumes removal of transplants/preserved trees.

1

1
L11-17
Southern Park Area - B, Planting Plan - Shrubs, Groundcover & Grasses

PLANTING LEGEND

(A) Existing Tree to remain
Reference specifications for existing tree protection and treatment.

(B) Preserved Live Oak
Quercus virginiana
On-site, field dug specimen, requires 168" tree spade to move, LA to select and place. Ref. to "Tree Preservation Area Legend & Notes" (Inset on sheets L11-03, L11-04, L11-05 & L11-08) for number suffix.

(C) Live Oak
Quercus virginiana
4" cal, single trunk, container grown.

(C1) Live Oak, 'High Rise'
Quercus virginiana, 'QVTIA'
4" cal, single trunk, container grown.

(D) NOT USED.

(E) NOT USED.

(F) Red Oak
Quercus texana
4" cal, container grown.

(G) Shumard Oak
Quercus shumardii
4" cal, container grown.

(H) Chinkapin Oak
Quercus muhlenbergii
4" cal, container grown.

(I) Bald Cypress
Taxodium distichum
4" cal, container grown.

(J) Pond Cypress
Taxodium ascendens
4" cal, container grown.

(K) Texas Ash
Fraxinus texensis
4" cal, container grown.

(L) Lacebark Elm
Ulmus parvifolia
4" caliper, container grown.

(M) River Birch
Betula nigra
12-14' ht., 3-5 canes each, B&B.

(AA) NOT USED.

(BB) Savannah Holly
Ilex opaca x attenuata 'Savannah'
4" cal, single trunk, 12' ht, tree form, container grown.

(CC) Natchez Crape Myrtle
Lagerstroemia indica 'Natchez'
12'-14' ht, multi trunk, 3-5 canes, grown for height.

(CC-2) Natchez Crape Myrtle
Lagerstroemia indica 'Natchez'
10'-12' ht, multi trunk, 3-5 canes, grown for height.

(DD) Oklahoma Redbud
Cercis canadensis 'Oklahoma'
3"-3 ½" cal, 8' ht, container grown

(EE) Weeping Love Grass
Eragrostis curvula

(FF) Vitex
Vitex agnus-castus
65 gal, 10' ht, container, grown for height.

(GG) Asian Jasmine
Trachelospermum asiaticum
1 gal, plant 18" o.c.

(HH) Horsetail Reed
Equisetum hyemale
1 gal, plant 18" o.c.

(II) Grass Mix for Hydromulch
Reference specifications for percentage of each seed for mixture: 1. Sideoats Grama, *Bouteloua curtipendula*; 2. Inland Sea Oats, *Chasmanthium latifolium*; 3. Prairie Wild Rye, *Elymus canadensis*; 4. Purple Top, *Tridens flavus*; 5. Virginia Wild Rye, *Elymus virginicus*; 6. Plains Bristlegrass, *Setaria vulpiseta*.

(JJ) Midiron Bermuda
Cynodon dactylon 'Midiron'
sod, pinned on slopes greater than 6:1.

(KK) Harbor Dwarf Nandina
Nandina domestica 'Harbor Dwarf'
15 gal., 3' ht., 36" o.c.

(LL) Dwarf Chinese Holly
Ilex cornuta 'Rotunda'
15 gal., 3' ht., 36" o.c.

(MM) Creeping Fig
Ficus Pumila
1 gal., staggered 18"-24" o.c.

(NN) Mondo Grass
Ophiopogon japonicus
4" pot, max. 8" o.c., diamond pattern.

(OO) Cleyera
Ternstroemia gymnathera
7gal., container, planted 18" o.c.

PLANTING NOTES:

1. All tree locations that are shown shall be staked by the Landscape Contractor and the stakes approved in writing by the town of Addison and Landscape Architect, prior to any tree planting.
2. Any and all tree plantings shall not be planted less than five feet (clear) to the back of the pond edge walls.
3. See planting detail (1/L1-22) for special staking detail for tree plantings located on the islands.
4. Civil information for reference only. Verify actual location of utilities with Civil drawings.
5. All undimensioned trees for contractor to stake.
6. Contractor to provide aeration, pruning, and fertilization of preserved live oaks by an ISA certified arborist prior to construction around the trees.
7. Landscape contractor's scope of work to begin at finished grade minus 4".

NO.	REVISION	BY	DATE
1	SOUTH PARK, SOD-GRASS MIX AREAS		08/09/11

TOWN OF ADDISON
DALLAS COUNTY, TEXAS

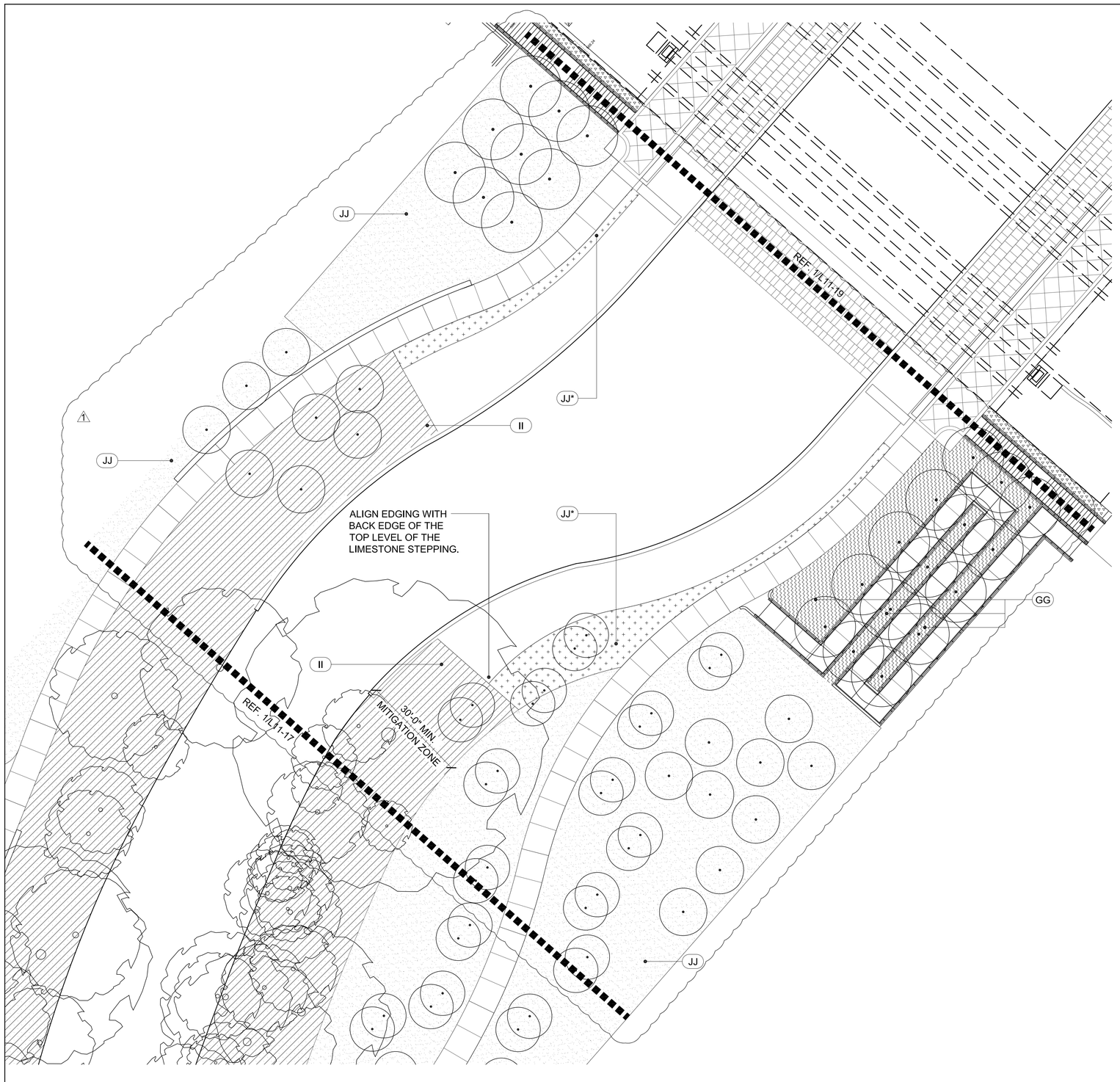
PARK AND STREETSCAPE IMPROVEMENTS
VITRUVIAN PARK

SOUTHERN PARK AREA -B PLANTING PLAN - SHRUBS, GROUNDCOVER & GRASSES

KEVIN SLOAN STUDIO
2400 Empire Central, Suite F
Dallas, Texas 75235 (214) 459-1784

PROJECT	DESIGN	DRAWN	DATE	FILE	SHEET
5029-01	KWS	JP	DEC. 18, 2009	PW # 2009-04	L11-17

PARK AND STREETSCAPE IMPROVEMENTS - VITRUVIAN PARK



1
L11-18
Southern Park Area - C, Planting Plan - Shrubs, Groundcover & Grasses

0' 8' 16' 32'

PLANT QUANTITIES

GG (1,616 sf.) Asian Jasmine
Trachelospermum asiaticum
1 gal., plant 18" o.c.

II (XX sf.) Grass Mix for Hydromulch
Inland Sea Oats - *Chasmanthium latifolium*
Cherokee Sedge - *Carox cherokeensis*
Star Sedge - *Rhynchospora colorata*

JJ (XX sf.) Midiron Bermuda
Cynodon dactylon 'Midiron'
sod, pinned on slopes greater than 6:1.

NOTE: ALL tree locations that are shown shall be staked by the Landscape Contractor and the locations of the stakes approved in writing by the town of Addison and Landscape Architect, prior to any tree planting.

JJ* (XX sf.) Midiron Bermuda
Cynodon dactylon 'Midiron'
sod, pinned on slopes greater than 6:1.
* Proposed area within 30' mitigation zone to be planted with sod.

NOTE: Location of proposed turf area assumes removal of transplants/preserved trees.

1

PLANTING LEGEND

- A — Existing Tree to remain. Reference specifications for existing tree protection and treatment.
- B — Preserved Live Oak, *Quercus virginiana*. On-site, field dug specimen, requires 168" tree spade to move, LA to select and place. Ref. to "Tree Preservation Area Legend & Notes" (Inset on sheets L11-03, L11-04, L11-05 & L11-08) for number suffix.
- C — Live Oak, *Quercus virginiana*. 4" cal, single trunk, container grown.
- C1 — Live Oak, 'High Rise' *Quercus virginiana, 'QVTIA'*. 4" cal, single trunk, container grown.
- D — NOT USED.
- E — NOT USED.
- F — Red Oak, *Quercus texana*. 4" cal, container grown.
- G — Shumard Oak, *Quercus shumardii*. 4" cal, container grown.
- H — Chinkapin Oak, *Quercus muhlenbergii*. 4" cal, container grown.
- I — Bald Cypress, *Taxodium distichum*. 4" cal, container grown.
- J — Pond Cypress, *Taxodium ascendens*. 4" cal, container grown,
- K — Texas Ash, *Fraxinus texensis*. 4" cal, container grown.
- L — Lacebark Elm, *Ulmus parvifolia*. 4" caliper, container grown.
- M — River Birch, *Betula nigra*. 12-14' ht., 3-5 canes each, B&B.
- AA — NOT USED.
- BB — Savannah Holly, *Ilex opaca x attenuata 'Savannah'*. 4" cal, single trunk, 12' ht, tree form, container grown.
- CC — Natchez Crape Myrtle, *Lagerstroemia indica 'Natchez'*. 12'-14' ht, multi trunk, 3-5 canes, grown for height.
- CC-2 — Natchez Crape Myrtle, *Lagerstroemia indica 'Natchez'*. 10'-12' ht, multi trunk, 3-5 canes, grown for height.
- DD — Oklahoma Redbud, *Cercis canadensis 'Oklahoma'*. 3"-3 ½" cal, 8' ht, container grown
- EE — Weeping Love Grass, Eragrostis curvula
- FF — Vitex, *Vitex agnus-castus*. 65 gal, 10' ht, container, grown for height.
- GG — Asian Jasmine, *Trachelospermum asiaticum*. 1 gal, plant 18" o.c.
- HH — Horsetail Reed, *Equisetum hyemale*. 1 gal, plant 18" o.c.
- II — Grass Mix for Hydromulch. Reference specifications for percentage of each seed for mixture: 1. Sideoats Grama, *Bouteloua curtipendula*; 2. Inland Sea Oats, *Chasmanthium latifolium*; 3. Prairie Wild Rye, *Elymus canadensis*; 4. Purple Top, *Tridens flavus*; 5. Virginia Wild Rye, *Elymus virginicus*; 6. Plains Bristlegrass, *Setaria vulpiseta*.
- JJ — Midiron Bermuda, *Cynodon dactylon* 'Midiron' sod, pinned on slopes greater than 6:1.
- KK — Harbor Dwarf Nandina, *Nandina domestica* 'Harbor Dwarf' 15 gal., 3' ht., 36" o.c.
- LL — Dwarf Chinese Holly, *Ilex cornuta 'Rotunda'*. 15 gal., 3' ht., 36" o.c.
- MM — Creeping Fig, *Ficus Pumila*. 1 gal., staggered 18"-24" o.c.
- NN — Mondo Grass, *Ophiopogon japonicus*. 4" pot, max. 8" o.c., diamond pattern.
- OO — Cleyera, *Ternstroemia gymnathera*. 7gal., container, planted 18" o.c.

PLANTING NOTES:

1. All tree locations that are shown shall be staked by the Landscape Contractor and the stakes approved in writing by the town of Addison and Landscape Architect, prior to any tree planting.
2. Any and all tree plantings shall not be planted less than five feet (clear) to the back of the pond edge walls.
3. See planting detail (1/L1-22) for special staking detail for tree plantings located on the islands.
4. Civil information for reference only. Verify actual location of utilities with Civil drawings.
5. All undimensioned trees for contractor to stake.
6. Contractor to provide aeration, pruning, and fertilization of preserved live oaks by an ISA certified arborist prior to construction around the trees.
7. Landscape contractor's scope of work to begin at finished grade minus 4".

NO.	REVISION	BY	DATE
1	SOUTH PARK, SOD-GRASS MIX AREAS		08/09/11

TOWN OF ADDISON
DALLAS COUNTY, TEXAS

PARK AND STREETSCAPE IMPROVEMENTS
VITRUVIAN PARK

SOUTHERN PARK AREA -C PLANTING PLAN - SHRUBS, GROUNDCOVER & GRASSES

KEVIN SLOAN STUDIO
2400 Empire Central, Suite F
Dallas, Texas 75235 (214) 459-1784

PROJECT	DESIGN	DRAWN	DATE	FILE	SHEET
5029-01	KWS	JP	DEC. 18, 2009	PW # 2009-04	L11-18

PARK AND STREETSCAPE IMPROVEMENTS - VITRUVIAN PARK

PLANT QUANTITIES

GG (1,447 sf.) Asian Jasmine
Trachelospermum asiaticum
1 gal. plant, 18" o.c.

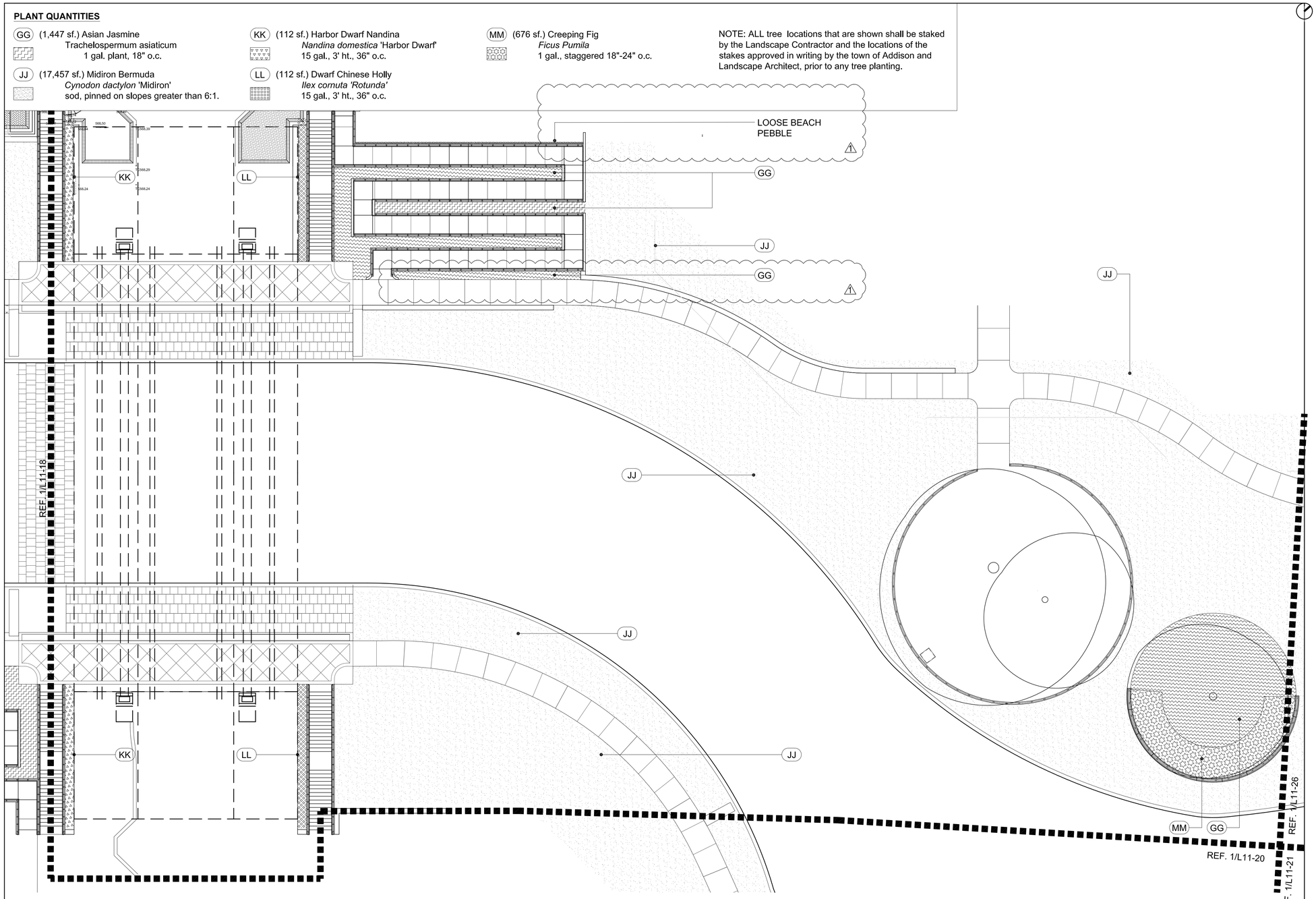
JJ (17,457 sf.) Midiron Bermuda
Cynodon dactylon 'Midiron'
sod, pinned on slopes greater than 6:1.

KK (112 sf.) Harbor Dwarf Nandina
Nandina domestica 'Harbor Dwarf'
15 gal., 3' ht., 36" o.c.

LL (112 sf.) Dwarf Chinese Holly
Ilex cornuta 'Rotunda'
15 gal., 3' ht., 36" o.c.

MM (676 sf.) Creeping Fig
Ficus Pumila
1 gal., staggered 18"-24" o.c.

NOTE: ALL tree locations that are shown shall be staked by the Landscape Contractor and the locations of the stakes approved in writing by the town of Addison and Landscape Architect, prior to any tree planting.



PLANTING LEGEND

- A — Existing Tree to remain. Reference specifications for existing tree protection and treatment.
- B — Preserved Live Oak. *Quercus virginiana*. On-site, field dug specimen, requires 168" tree spade to move, LA to select and place. Ref. to "Tree Preservation Area Legend & Notes" (Inset on sheets L11-03, L11-04, L11-05 & L11-08) for number suffix.
- C — Live Oak. *Quercus virginiana*. 4" cal, single trunk, container grown.
- C1 — Live Oak, 'High Rise'. *Quercus virginiana, 'QVTIA'*. 4" cal, single trunk, container grown.
- D — NOT USED.
- E — NOT USED.
- F — Red Oak. *Quercus texana*. 4" cal, container grown.
- G — Shumard Oak. *Quercus shumardii*. 4" cal, container grown.
- H — Chinkapin Oak. *Quercus muhlenbergii*. 4" cal, container grown.
- I — Bald Cypress. *Taxodium distichum*. 4" cal, container grown.
- J — Pond Cypress. *Taxodium ascendens*. 4" cal, container grown.
- K — Texas Ash. *Fraxinus texensis*. 4" cal, container grown.
- L — Lacebark Elm. *Ulmus parvifolia*. 4" caliper, container grown.
- M — River Birch. *Betula nigra*. 12-14' ht., 3-5 canes each, B&B.
- AA — NOT USED.
- BB — Savannah Holly. *Ilex opaca x attenuata 'Savannah'*. 4" cal, single trunk, 12' ht, tree form, container grown.
- CC — Natchez Crape Myrtle. *Lagerstroemia indica 'Natchez'*. 12'-14' ht, multi trunk, 3-5 canes, grown for height.
- CC-2 — Natchez Crape Myrtle. *Lagerstroemia indica 'Natchez'*. 10'-12' ht, multi trunk, 3-5 canes, grown for height.
- DD — Oklahoma Redbud. *Cercis canadensis 'Oklahoma'*. 3"-3 ½" cal, 8' ht, container grown
- EE — Weeping Love Grass. Eragrostis curvula
- FF — Vitex. *Vitex agnus-castus*. 65 gal, 10' ht, container, grown for height.
- GG — Asian Jasmine. *Trachelospermum asiaticum*. 1 gal, plant 18" o.c.
- HH — Horsetail Reed. *Equisetum hyemale*. 1 gal, plant 18" o.c.
- II — Grass Mix for Hydromulch. Reference specifications for percentage of each seed for mixture: 1. Sideoats Grama, *Bouteloua curtipendula*; 2. Inland Sea Oats, *Chasmanthium latifolium*; 3. Prairie Wild Rye, *Elymus canadensis*; 4. Purple Top, *Tridens flavus*; 5. Virginia Wild Rye, *Elymus virginicus*; 6. Plains Bristlegrass, *Setaria vulpiseta*.
- JJ — Midiron Bermuda. *Cynodon dactylon* 'Midiron' sod, pinned on slopes greater than 6:1.
- KK — Harbor Dwarf Nandina. *Nandina domestica* 'Harbor Dwarf' 15 gal., 3' ht., 36" o.c.
- LL — Dwarf Chinese Holly. *Ilex cornuta 'Rotunda'* 15 gal., 3' ht., 36" o.c.
- MM — Creeping Fig. *Ficus Pumila*. 1 gal., staggered 18"-24" o.c.
- NN — Mondo Grass. *Ophiopogon japonicus*. 4" pot, max. 8" o.c., diamond pattern.
- OO — Cleyera. *Ternstroemia gymnathera*. 7gal., container, planted 18" o.c.

PLANTING NOTES:

1. All tree locations that are shown shall be staked by the Landscape Contractor and the stakes approved in writing by the town of Addison and Landscape Architect, prior to any tree planting.
2. Any and all tree plantings shall not be planted less than five feet (clear) to the back of the pond edge walls.
3. See planting detail (1/L1-22) for special staking detail for tree plantings located on the islands.
4. Civil information for reference only. Verify actual location of utilities with Civil drawings.
5. All undimensioned trees for contractor to stake.
6. Contractor to provide aeration, pruning, and fertilization of preserved live oaks by an ISA certified arborist prior to construction around the trees.
7. Landscape contractor's scope of work to begin at finished grade minus 4".

NO.	REVISION	BY	DATE
1	PONTE BRIDGE NORTH RAMP REVISIONS - GROUNDCOVER		10/11/11

TOWN OF ADDISON
DALLAS COUNTY, TEXAS

PARK AND STREETSCAPE IMPROVEMENTS
VITRUVIAN PARK

NORTHERN PARK AREA - A PLANTING PLAN - SHRUBS, GROUNDCOVER & GRASSES

KEVIN SLOAN STUDIO
2400 Empire Central, Suite F
Dallas, Texas 75235 (214) 459-1784

PROJECT	DESIGN	DRAWN	DATE	FILE	SHEET
5029-01	KWS	JP	DEC. 18, 2009	PW # 2009-04	L11-19

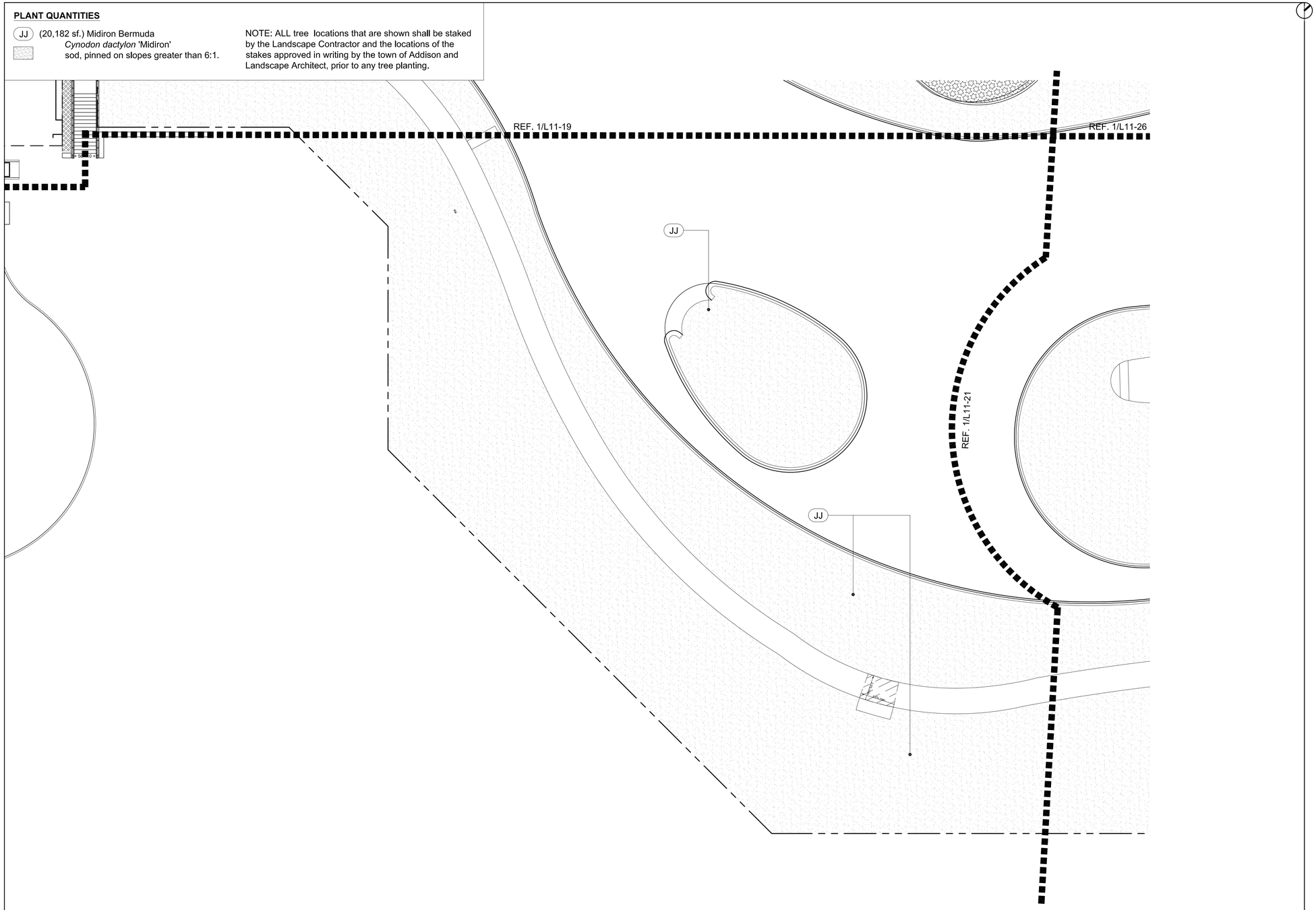
PARK AND STREETSCAPE IMPROVEMENTS - VITRUVIAN PARK

1
L11-19
Northern Park Area - A, Planting Plan - Shrubs, Groundcover & Grasses

PLANT QUANTITIES

JJ (20,182 sf.) Midiron Bermuda
Cynodon dactylon 'Midiron'
sod, pinned on slopes greater than 6:1.

NOTE: ALL tree locations that are shown shall be staked by the Landscape Contractor and the locations of the stakes approved in writing by the town of Addison and Landscape Architect, prior to any tree planting.



1
L11-20
Southern Park Area - B, Planting Plan - Shrubs, Groundcover & Grasses

PLANTING LEGEND

- A Existing Tree to remain
  Reference specifications for existing tree protection and treatment.
- B Preserved Live Oak
  Quercus virginiana
  On-site, field dug specimen, requires 168" tree spade to move, LA to select and place. Ref. to "Tree Preservation Area Legend & Notes" (Inset on sheets L11-03, L11-04, L11-05 & L11-08) for number suffix.
- C Live Oak
  Quercus virginiana
  4" cal, single trunk, container grown.
- C1 Live Oak, 'High Rise'
  Quercus virginiana, 'QVTIA'
  4" cal, single trunk, container grown.
- D NOT USED.
- E NOT USED.
- F Red Oak
  Quercus texana
  4" cal, container grown.
- G Shumard Oak
  Quercus shumardii
  4" cal, container grown.
- H Chinkapin Oak
  Quercus muhlenbergii
  4" cal, container grown.
- I Bald Cypress
  Taxodium distichum
  4" cal, container grown.
- J Pond Cypress
  Taxodium ascendens
  4" cal, container grown,
- K Texas Ash
  Fraxinus texensis
  4" cal, container grown.
- L Lacebark Elm
  Ulmus parvifolia
  4" caliper, container grown.
- M River Birch
  Betula nigra
  12-14' ht,, 3-5 canes each, B&B.
- AA NOT USED.
- BB Savannah Holly
  Ilex opaca x attenuata 'Savannah'
  4" cal, single trunk, 12' ht, tree form, container grown.
- CC Natchez Crape Myrtle
  Lagerstroemia indica 'Natchez'
  12'-14' ht, multi trunk, 3-5 canes, grown for height.
- CC-2 Natchez Crape Myrtle
  Lagerstroemia indica 'Natchez'
  10'-12' ht, multi trunk, 3-5 canes, grown for height.
- DD Oklahoma Redbud
  Cercis canadensis 'Oklahoma'
  3"-3 ½" cal, 8' ht, container grown
- EE Weeping Love Grass
  Eragrostis curvula
- FF Vitex
  Vitex agnus-castus
  65 gal, 10' ht, container, grown for height.
- GG Asian Jasmine
  Trachelospermum asiaticum
  1 gal, plant 18" o.c.
- HH Horsetail Reed
  Equisetum hyemale
  1 gal, plant 18" o.c.
- II Grass Mix for Hydromulch
  Reference specifications for percentage of each seed for mixture: 1. Sideoats Grama, *Bouteloua curtipendula*; 2. Inland Sea Oats, *Chasmanthium latifolium*; 3. Prairie Wild Rye, *Elymus canadensis*; 4. Purple Top, *Tridens flavus*; 5. Virginia Wild Rye, *Elymus virginicus*; 6. Plains Bristlegrass, *Setaria vulpiseta*.
- JJ Midiron Bermuda
  Cynodon dactylon 'Midiron'
  sod, pinned on slopes greater than 6:1.
- KK Harbor Dwarf Nandina
  Nandina domestica 'Harbor Dwarf'
  15 gal., 3' ht., 36" o.c.
- LL Dwarf Chinese Holly
  Ilex cornuta 'Rotunda'
  15 gal., 3' ht., 36" o.c.
- MM Creeping Fig
  Ficus Pumila
  1 gal., staggered 18"-24" o.c.
- NN Mondo Grass
  Ophiopogon japonicus
  4" pot, max. 8" o.c., diamond pattern.

PLANTING NOTES:

1. All tree locations that are shown shall be staked by the Landscape Contractor and the stakes approved in writing by the town of Addison and Landscape Architect, prior to any tree planting.
2. Any and all tree plantings shall not be planted less than five feet (clear) to the back of the pond edge walls.
3. See planting detail (1/L1-22) for special staking detail for tree plantings located on the islands.
4. Civil information for reference only. Verify actual location of utilities with Civil drawings.
5. All undimensioned trees for contractor to stake.
6. Contractor to provide aeration, pruning, and fertilization of preserved live oaks by an ISA certified arborist prior to construction around the trees.
7. Landscape contractor's scope of work to begin at finished grade minus 4".

REGISTERED LANDSCAPE ARCHITECT
KEVIN W. SLOAN
2296
STATE OF TEXAS

NO.	REVISION	BY	DATE

TOWN OF ADDISON
DALLAS COUNTY, TEXAS

PARK AND STREETSCAPE IMPROVEMENTS
VITRUVIAN PARK

NORTHERN PARK AREA -B PLANTING PLAN - SHRUBS, GROUNDCOVER & GRASSES

KEVIN SLOAN STUDIO
4145 Travis, Suite 105
Dallas, Texas 75204 (214) 379-1061

PROJECT	DESIGN	DRAWN	DATE	FILE	SHEET
5029-01	KWS	JP	APR 26, 2010	PW # 2009-04	L11-20

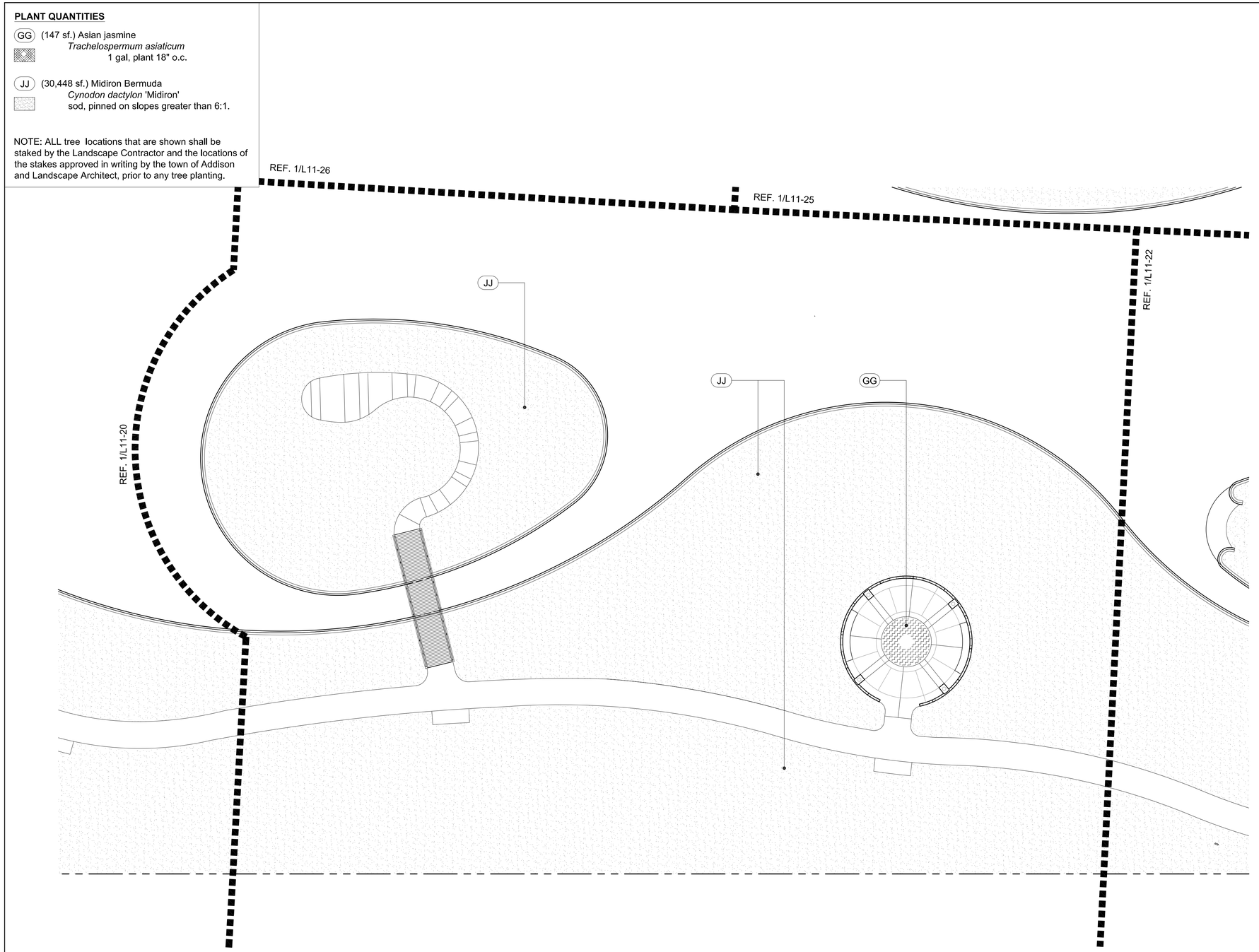
PARK AND STREETSCAPE IMPROVEMENTS - VITRUVIAN PARK

PLANT QUANTITIES

GG (147 sf.) Asian jasmine
Trachelospermum asiaticum
1 gal, plant 18" o.c.

JJ (30,448 sf.) Midiron Bermuda
Cynodon dactylon 'Midiron'
sod, pinned on slopes greater than 6:1.

NOTE: ALL tree locations that are shown shall be staked by the Landscape Contractor and the locations of the stakes approved in writing by the town of Addison and Landscape Architect, prior to any tree planting.



1
L11-21
Northern Park Area - C, Planting Plan - Shrubs, Groundcover & Grasses

0' 8' 16' 32'

PLANTING LEGEND

- A — Existing Tree to remain
  Reference specifications for existing tree protection and treatment.
- B — Preserved Live Oak
  Quercus virginiana
  On-site, field dug specimen, requires 168" tree spade to move, LA to select and place. Ref. to "Tree Preservation Area Legend & Notes" (Inset on sheets L11-03, L11-04, L11-05 & L11-08) for number suffix.
- C — Live Oak
  Quercus virginiana
  4" cal, single trunk, container grown.
- C1 — Live Oak, 'High Rise'
  Quercus virginiana, 'QVTIA'
  4" cal, single trunk, container grown.
- D — NOT USED.
- E — NOT USED.
- F — Red Oak
  Quercus texana
  4" cal, container grown.
- G — Shumard Oak
  Quercus shumardii
  4" cal, container grown.
- H — Chinkapin Oak
  Quercus muhlenbergii
  4" cal, container grown.
- I — Bald Cypress
  Taxodium distichum
  4" cal, container grown.
- J — Pond Cypress
  Taxodium ascendens
  4" cal, container grown.
- K — Texas Ash
  Fraxinus texensis
  4" cal, container grown.
- L — Lacebark Elm
  Ulmus parvifolia
  4" caliper, container grown.
- M — River Birch
  Betula nigra
  12-14' ht., 3-5 canes each, B&B.
- AA — NOT USED.
- BB — Savannah Holly
  Ilex opaca x attenuata 'Savannah'
  4" cal, single trunk, 12' ht, tree form, container grown.
- CC — Natchez Crape Myrtle
  Lagerstroemia indica 'Natchez'
  12'-14' ht, multi trunk, 3-5 canes, grown for height.
- CC-2 — Natchez Crape Myrtle
  Lagerstroemia indica 'Natchez'
  10'-12' ht, multi trunk, 3-5 canes, grown for height.
- DD — Oklahoma Redbud
  Cercis canadensis 'Oklahoma'
  3"-3 ½" cal, 8' ht, container grown
- EE — Weeping Love Grass
  Eragrostis curvula
- FF — Vitex
  Vitex agnus-castus
  65 gal, 10' ht, container, grown for height.
- GG — Asian Jasmine
  Trachelospermum asiaticum
  1 gal, plant 18" o.c.
- HH — Horsetail Reed
  Equisetum hyemale
  1 gal, plant 18" o.c.
- II — Grass Mix for Hydromulch
  Reference specifications for percentage of each seed for mixture: 1. Sideoats Grama, *Bouteloua curtipendula*; 2. Inland Sea Oats, *Chasmanthium latifolium*; 3. Prairie Wild Rye, *Elymus canadensis*; 4. Purple Top, *Tridens flavus*; 5. Virginia Wild Rye, *Elymus virginicus*; 6. Plains Bristlegrass, *Setaria vulpiseta*.
- JJ — Midiron Bermuda
  Cynodon dactylon 'Midiron'
  sod, pinned on slopes greater than 6:1.
- KK — Harbor Dwarf Nandina
  Nandina domestica 'Harbor Dwarf'
  15 gal., 3' ht., 36" o.c.
- LL — Dwarf Chinese Holly
  Ilex cornuta 'Rotunda'
  15 gal., 3' ht., 36" o.c.
- MM — Creeping Fig
  Ficus Pumila
  1 gal., staggered 18"-24" o.c.
- NN — Mondo Grass
  Ophiopogon japonicus
  4" pot, max. 8" o.c., diamond pattern.

PLANTING NOTES:

1. All tree locations that are shown shall be staked by the Landscape Contractor and the stakes approved in writing by the town of Addison and Landscape Architect, prior to any tree planting.
2. Any and all tree plantings shall not be planted less than five feet (clear) to the back of the pond edge walls.
3. See planting detail (1/L1-22) for special staking detail for tree plantings located on the islands.
4. Civil information for reference only. Verify actual location of utilities with Civil drawings.
5. All undimensioned trees for contractor to stake.
6. Contractor to provide aeration, pruning, and fertilization of preserved live oaks by an ISA certified arborist prior to construction around the trees.
7. Landscape contractor's scope of work to begin at finished grade minus 4".

REGISTERED LANDSCAPE ARCHITECT
KEVIN W. SLOAN
2296
STATE OF TEXAS

NO.	REVISION	BY	DATE

TOWN OF ADDISON
DALLAS COUNTY, TEXAS

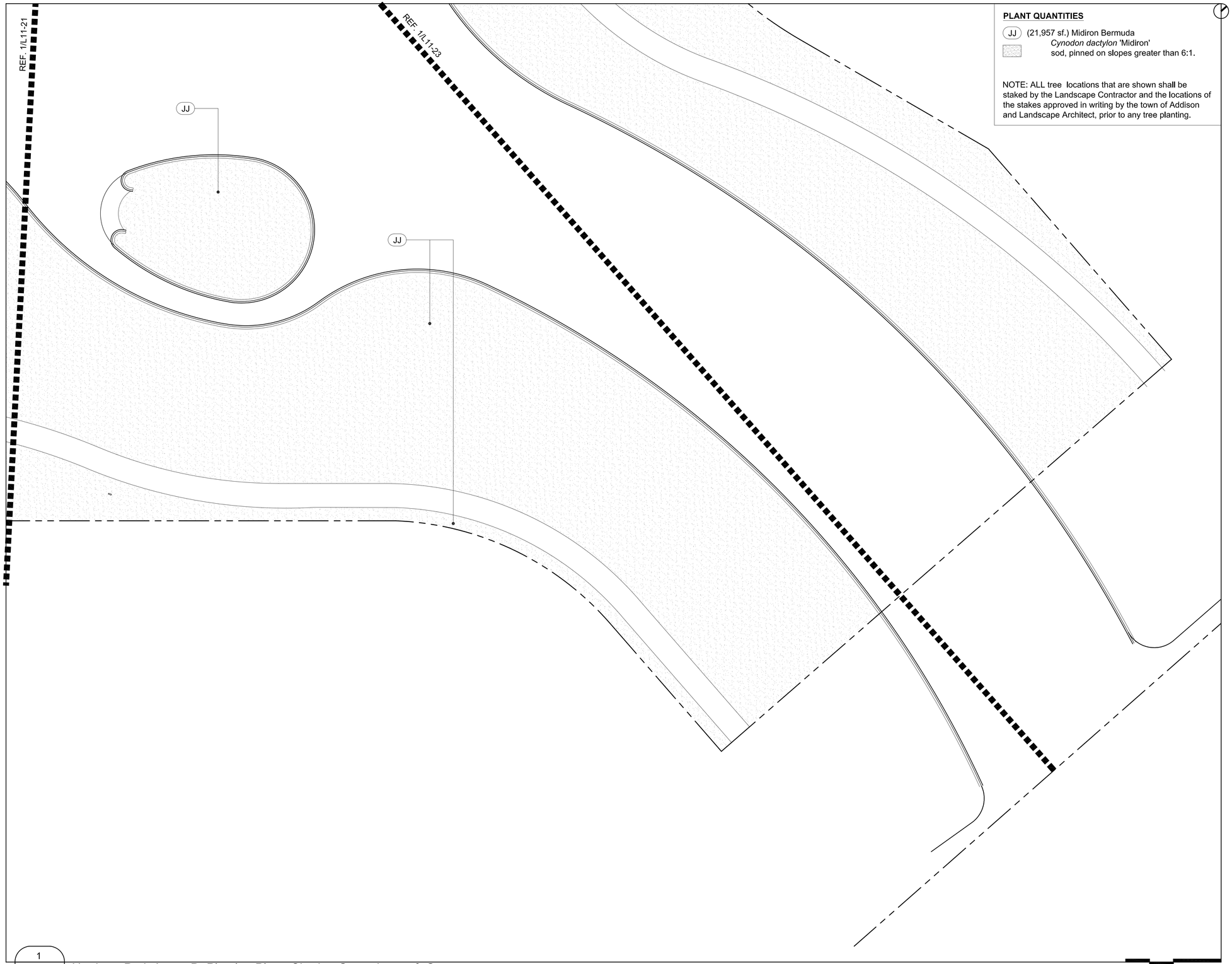
PARK AND STREETSCAPE IMPROVEMENTS
VITRUVIAN PARK

NORTHERN PARK AREA - C
PLANTING PLAN -
SHRUBS, GROUNDCOVER & GRASSES

KEVIN SLOAN STUDIO
4145 Travis, Suite 105
Dallas, Texas 75204 (214) 379-1061

PROJECT	DESIGN	DRAWN	DATE	FILE	SHEET
5029-01	KWS	JP	APR 26, 2010	PW # 2009-04	L11-21

PARK AND STREETSCAPE IMPROVEMENTS - VITRUVIAN PARK



PLANT QUANTITIES

JJ (21,957 sf.) Midiron Bermuda
Cynodon dactylon 'Midiron'
sod, pinned on slopes greater than 6:1.

NOTE: ALL tree locations that are shown shall be staked by the Landscape Contractor and the locations of the stakes approved in writing by the town of Addison and Landscape Architect, prior to any tree planting.

0' 8' 16' 32'

1
L11-22
Northern Park Area - D, Planting Plan - Shrubs, Groundcover & Grasses

PLANTING LEGEND

- A — Existing Tree to remain
  Reference specifications for existing tree protection and treatment.
- B — Preserved Live Oak
  Quercus virginiana
  On-site, field dug specimen, requires 168" tree spade to move, LA to select and place. Ref. to "Tree Preservation Area Legend & Notes" (Inset on sheets L11-03, L11-04, L11-05 & L11-08) for number suffix.
- C — Live Oak
  Quercus virginiana
  4" cal, single trunk, container grown.
- C1 — Live Oak, 'High Rise'
  Quercus virginiana, 'QVTIA'
  4" cal, single trunk, container grown.
- D — NOT USED.
- E — NOT USED.
- F — Red Oak
  Quercus texana
  4" cal, container grown.
- G — Shumard Oak
  Quercus shumardii
  4" cal, container grown.
- H — Chinkapin Oak
  Quercus muhlenbergii
  4" cal, container grown.
- I — Bald Cypress
  Taxodium distichum
  4" cal, container grown.
- J — Pond Cypress
  Taxodium ascendens
  4" cal, container grown,
- K — Texas Ash
  Fraxinus texensis
  4" cal, container grown.
- L — Lacebark Elm
  Ulmus parvifolia
  4" caliper, container grown.
- M — River Birch
  Betula nigra
  12-14' ht., 3-5 canes each, B&B.
- AA — NOT USED.
- BB — Savannah Holly
  Ilex opaca x attenuata 'Savannah'
  4" cal, single trunk, 12' ht, tree form, container grown.
- CC — Natchez Crape Myrtle
  Lagerstroemia indica 'Natchez'
  12'-14' ht, multi trunk, 3-5 canes, grown for height.
- CC-2 — Natchez Crape Myrtle
  Lagerstroemia indica 'Natchez'
  10'-12' ht, multi trunk, 3-5 canes, grown for height.
- DD — Oklahoma Redbud
  Cercis canadensis 'Oklahoma'
  3"-3 ½" cal, 8' ht, container grown
- EE — Weeping Love Grass
  Eragrostis curvula
- FF — Vitex
  Vitex agnus-castus
  65 gal, 10' ht, container, grown for height.
- GG — Asian Jasmine
  Trachelospermum asiaticum
  1 gal, plant 18" o.c.
- HH — Horsetail Reed
  Equisetum hyemale
  1 gal, plant 18" o.c.
- II — Grass Mix for Hydromulch
  Reference specifications for percentage of each seed for mixture: 1. Sideoats Grama, *Bouteloua curtipendula*; 2. Inland Sea Oats, *Chasmanthium latifolium*; 3. Prairie Wild Rye, *Elymus canadensis*; 4. Purple Top, *Tridens flavus*; 5. Virginia Wild Rye, *Elymus virginicus*; 6. Plains Bristlegrass, *Setaria vulpiseta*.
- JJ — Midiron Bermuda
  Cynodon dactylon 'Midiron'
  sod, pinned on slopes greater than 6:1.
- KK — Harbor Dwarf Nandina
  Nandina domestica 'Harbor Dwarf'
  15 gal., 3' ht., 36" o.c.
- LL — Dwarf Chinese Holly
  Ilex cornuta 'Rotunda'
  15 gal., 3' ht., 36" o.c.
- MM — Creeping Fig
  Ficus Pumila
  1 gal., staggered 18"-24" o.c.
- NN — Mondo Grass
  Ophiopogon japonicus
  4" pot, max. 8" o.c., diamond pattern.

PLANTING NOTES:

1. All tree locations that are shown shall be staked by the Landscape Contractor and the stakes approved in writing by the town of Addison and Landscape Architect, prior to any tree planting.
2. Any and all tree plantings shall not be planted less than five feet (clear) to the back of the pond edge walls.
3. See planting detail (1/L1-22) for special staking detail for tree plantings located on the islands.
4. Civil information for reference only. Verify actual location of utilities with Civil drawings.
5. All undimensioned trees for contractor to stake.
6. Contractor to provide aeration, pruning, and fertilization of preserved live oaks by an ISA certified arborist prior to construction around the trees.
7. Landscape contractor's scope of work to begin at finished grade minus 4".

REGISTERED LANDSCAPE ARCHITECT
KEVIN W. SLOAN
2296
STATE OF TEXAS

NO.	REVISION	BY	DATE

TOWN OF ADDISON
DALLAS COUNTY, TEXAS

PARK AND STREETSCAPE IMPROVEMENTS
VITRUVIAN PARK

NORTHERN PARK AREA - D
PLANTING PLAN -
SHRUBS, GROUNDCOVER & GRASSES

KEVIN SLOAN STUDIO
4145 Travis, Suite 105
Dallas, Texas 75204 (214) 379-1061

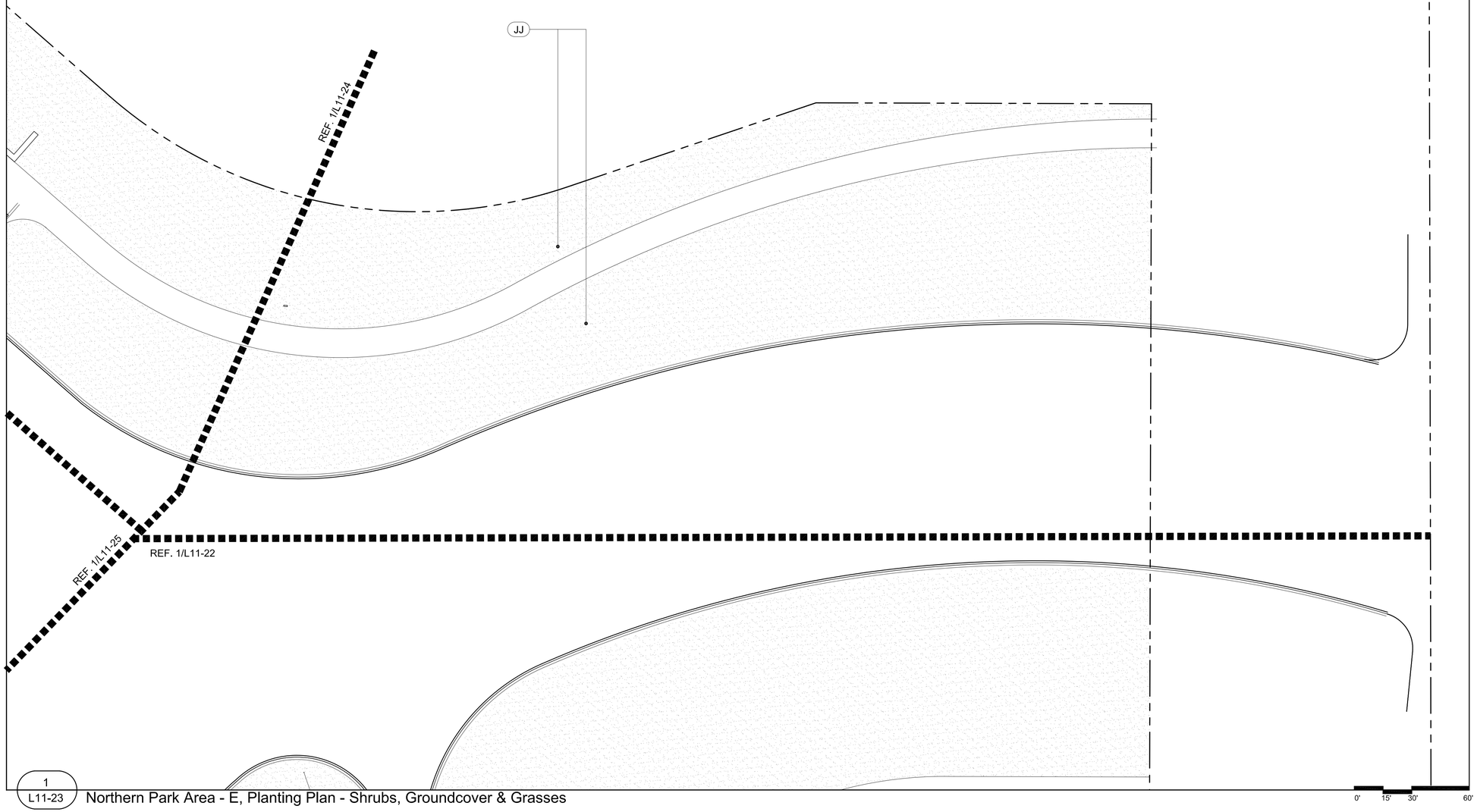
PROJECT	DESIGN	DRAWN	DATE	FILE	SHEET
5029-01	KWS	JP	APR 26, 2010	PW # 2009-04	L11-22

PARK AND STREETSCAPE IMPROVEMENTS - VITRUVIAN PARK

PLANT QUANTITIES

JJ (13,602 sf.) Midiron Bermuda
Cynodon dactylon 'Midiron'
sod, pinned on slopes greater than 6:1.

NOTE: ALL tree locations that are shown shall be staked by the Landscape Contractor and the locations of the stakes approved in writing by the town of Addison and Landscape Architect, prior to any tree planting.



1
L11-23
Northern Park Area - E, Planting Plan - Shrubs, Groundcover & Grasses

PLANTING LEGEND

- A — Existing Tree to remain. Reference specifications for existing tree protection and treatment.
- B — Preserved Live Oak. *Quercus virginiana*. On-site, field dug specimen, requires 168" tree spade to move, LA to select and place. Ref. to "Tree Preservation Area Legend & Notes" (Inset on sheets L11-03, L11-04, L11-05 & L11-08) for number suffix.
- C — Live Oak. *Quercus virginiana*. 4" cal, single trunk, container grown.
- C1 — Live Oak, 'High Rise'. *Quercus virginiana, 'QVTIA'*. 4" cal, single trunk, container grown.
- D — NOT USED.
- E — NOT USED.
- F — Red Oak. *Quercus texana*. 4" cal, container grown.
- G — Shumard Oak. *Quercus shumardii*. 4" cal, container grown.
- H — Chinkapin Oak. *Quercus muhlenbergii*. 4" cal, container grown.
- I — Bald Cypress. *Taxodium distichum*. 4" cal, container grown.
- J — Pond Cypress. *Taxodium ascendens*. 4" cal, container grown.
- K — Texas Ash. *Fraxinus texensis*. 4" cal, container grown.
- L — Lacebark Elm. *Ulmus parvifolia*. 4" caliper, container grown.
- M — River Birch. *Betula nigra*. 12-14' ht., 3-5 canes each, B&B.
- AA — NOT USED.
- BB — Savannah Holly. *Ilex opaca x attenuata 'Savannah'*. 4" cal, single trunk, 12' ht, tree form, container grown.
- CC — Natchez Crape Myrtle. *Lagerstroemia indica 'Natchez'*. 12'-14' ht, multi trunk, 3-5 canes, grown for height.
- CC-2 — Natchez Crape Myrtle. *Lagerstroemia indica 'Natchez'*. 10'-12' ht, multi trunk, 3-5 canes, grown for height.
- DD — Oklahoma Redbud. *Cercis canadensis 'Oklahoma'*. 3"-3 ½" cal, 8' ht, container grown
- EE — Weeping Love Grass. Eragrostis curvula
- FF — Vitex. *Vitex agnus-castus*. 65 gal, 10' ht, container, grown for height.
- GG — Asian Jasmine. *Trachelospermum asiaticum*. 1 gal, plant 18" o.c.
- HH — Horsetail Reed. *Equisetum hyemale*. 1 gal, plant 18" o.c.
- II — Grass Mix for Hydromulch. Reference specifications for percentage of each seed for mixture: 1. Sideoats Grama, *Bouteloua curtipendula*; 2. Inland Sea Oats, *Chasmanthium latifolium*; 3. Prairie Wild Rye, *Elymus canadensis*; 4. Purple Top, *Tridens flavus*; 5. Virginia Wild Rye, *Elymus virginicus*; 6. Plains Bristlegrass, *Setaria vulpiseta*.
- JJ — Midiron Bermuda. *Cynodon dactylon* 'Midiron' sod, pinned on slopes greater than 6:1.
- KK — Harbor Dwarf Nandina. *Nandina domestica* 'Harbor Dwarf' 15 gal., 3' ht., 36" o.c.
- LL — Dwarf Chinese Holly. *Ilex cornuta 'Rotunda'*. 15 gal., 3' ht., 36" o.c.
- MM — Creeping Fig. *Ficus Pumila*. 1 gal., staggered 18"-24" o.c.
- NN — Mondo Grass. *Ophiopogon japonicus*. 4" pot, max. 8" o.c., diamond pattern.

PLANTING NOTES:

1. All tree locations that are shown shall be staked by the Landscape Contractor and the stakes approved in writing by the town of Addison and Landscape Architect, prior to any tree planting.
2. Any and all tree plantings shall not be planted less than five feet (clear) to the back of the pond edge walls.
3. See planting detail (1/L1-22) for special staking detail for tree plantings located on the islands.
4. Civil information for reference only. Verify actual location of utilities with Civil drawings.
5. All undimensioned trees for contractor to stake.
6. Contractor to provide aeration, pruning, and fertilization of preserved live oaks by an ISA certified arborist prior to construction around the trees.
7. Landscape contractor's scope of work to begin at finished grade minus 4".

REGISTERED LANDSCAPE ARCHITECT · KEVIN W. SLOAN · 2296 · STATE OF TEXAS

NO.	REVISION	BY	DATE

TOWN OF ADDISON
DALLAS COUNTY, TEXAS

PARK AND STREETSCAPE IMPROVEMENTS
VITRUVIAN PARK

NORTHERN PARK AREA -E PLANTING PLAN - SHRUBS, GROUNDCOVER & GRASSES

KEVIN SLOAN STUDIO
4145 Travis, Suite 105
Dallas, Texas 75204 (214) 379-1061

PROJECT	DESIGN	DRAWN	DATE	FILE	SHEET
5029-01	KWS	JP	APR 26, 2010	PW # 2009-04	L11-23

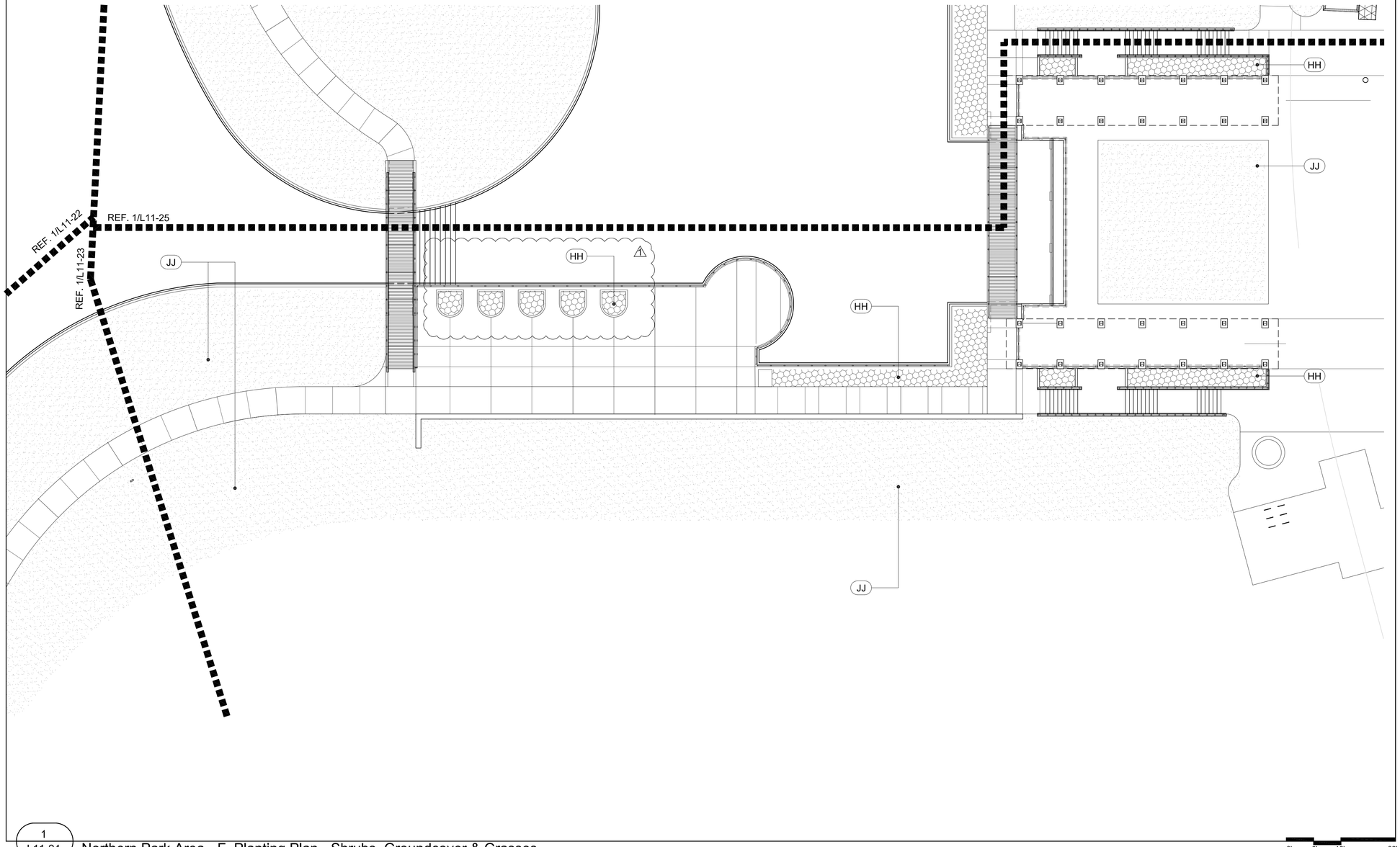
PARK AND STREETSCAPE IMPROVEMENTS - VITRUVIAN PARK

PLANT QUANTITIES

HH (1,016 sf.) Horsetail Reed
Equisetum hyemale
1 gal, plant 18" o.c.

JJ (15,231 sf.) Midiron Bermuda
Cynodon dactylon 'Midiron'
sod, pinned on slopes greater than 6:1.

NOTE: ALL tree locations that are shown shall be staked by the Landscape Contractor and the locations of the stakes approved in writing by the town of Addison and Landscape Architect, prior to any tree planting.



1
L11-24
Northern Park Area - F, Planting Plan - Shrubs, Groundcover & Grasses

PLANTING LEGEND

- A — Existing Tree to remain. Reference specifications for existing tree protection and treatment.
- B — Preserved Live Oak. *Quercus virginiana*. On-site, field dug specimen, requires 168" tree spade to move, LA to select and place. Ref. to "Tree Preservation Area Legend & Notes" (Inset on sheets L11-03, L11-04, L11-05 & L11-08) for number suffix.
- C — Live Oak. *Quercus virginiana*. 4" cal, single trunk, container grown.
- C1 — Live Oak, 'High Rise'. *Quercus virginiana, 'QVTIA'*. 4" cal, single trunk, container grown.
- D — NOT USED.
- E — NOT USED.
- F — Red Oak. *Quercus texana*. 4" cal, container grown.
- G — Shumard Oak. *Quercus shumardii*. 4" cal, container grown.
- H — Chinkapin Oak. *Quercus muhlenbergii*. 4" cal, container grown.
- I — Bald Cypress. *Taxodium distichum*. 4" cal, container grown.
- J — Pond Cypress. *Taxodium ascendens*. 4" cal, container grown.
- K — Texas Ash. *Fraxinus texensis*. 4" cal, container grown.
- L — Lacebark Elm. *Ulmus parvifolia*. 4" caliper, container grown.
- M — River Birch. *Betula nigra*. 12-14' ht., 3-5 canes each, B&B.
- AA — NOT USED.
- BB — Savannah Holly. *Ilex opaca x attenuata 'Savannah'*. 4" cal, single trunk, 12' ht, tree form, container grown.
- CC — Natchez Crape Myrtle. *Lagerstroemia indica 'Natchez'*. 12'-14' ht, multi trunk, 3-5 canes, grown for height.
- CC-2 — Natchez Crape Myrtle. *Lagerstroemia indica 'Natchez'*. 10'-12' ht, multi trunk, 3-5 canes, grown for height.
- DD — Oklahoma Redbud. *Cercis canadensis 'Oklahoma'*. 3"-3 ½" cal, 8' ht, container grown
- EE — Weeping Love Grass. Eragrostis curvula
- FF — Vitex. *Vitex agnus-castus*. 65 gal, 10' ht, container, grown for height.
- GG — Asian Jasmine. *Trachelospermum asiaticum*. 1 gal, plant 18" o.c.
- HH — Horsetail Reed. *Equisetum hyemale*. 1 gal, plant 18" o.c.
- II — Grass Mix for Hydromulch. Reference specifications for percentage of each seed for mixture: 1. Sideoats Grama, *Bouteloua curtipendula*; 2. Inland Sea Oats, *Chasmanthium latifolium*; 3. Prairie Wild Rye, *Elymus canadensis*; 4. Purple Top, *Tridens flavus*; 5. Virginia Wild Rye, *Elymus virginicus*; 6. Plains Bristlegrass, *Setaria vulpiseta*.
- JJ — Midiron Bermuda. *Cynodon dactylon* 'Midiron'. sod, pinned on slopes greater than 6:1.
- KK — Harbor Dwarf Nandina. *Nandina domestica* 'Harbor Dwarf'. 15 gal., 3' ht., 36" o.c.
- LL — Dwarf Chinese Holly. *Ilex cornuta 'Rotunda'*. 15 gal., 3' ht., 36" o.c.
- MM — Creeping Fig. *Ficus Pumila*. 1 gal., staggered 18"-24" o.c.
- NN — Mondo Grass. *Ophiopogon japonicus*. 4" pot, max. 8" o.c., diamond pattern.
- OO — Cleyera. *Ternstroemia gymnathera*. 7gal., container, planted 18" o.c.

PLANTING NOTES:

1. All tree locations that are shown shall be staked by the Landscape Contractor and the stakes approved in writing by the town of Addison and Landscape Architect, prior to any tree planting.
2. Any and all tree plantings shall not be planted less than five feet (clear) to the back of the pond edge walls.
3. See planting detail (1/L1-22) for special staking detail for tree plantings located on the islands.
4. Civil information for reference only. Verify actual location of utilities with Civil drawings.
5. All undimensioned trees for contractor to stake.
6. Contractor to provide aeration, pruning, and fertilization of preserved live oaks by an ISA certified arborist prior to construction around the trees.
7. Landscape contractor's scope of work to begin at finished grade minus 4".

NO.	REVISION	BY	DATE
1	PLANTING REVISION - EQUISETUM		10/11/11

TOWN OF ADDISON
DALLAS COUNTY, TEXAS

PARK AND STREETSCAPE IMPROVEMENTS
VITRUVIAN PARK

NORTHERN PARK AREA - F
PLANTING PLAN -
SHRUBS, GROUNDCOVER & GRASSES

KEVIN SLOAN STUDIO
2400 Empire Central, Suite F
Dallas, Texas 75235 (214) 459-1784

PROJECT	DESIGN	DRAWN	DATE	FILE	SHEET
5029-01	KWS	JP	DEC. 18, 2009	PW # 2009-04	L11-24

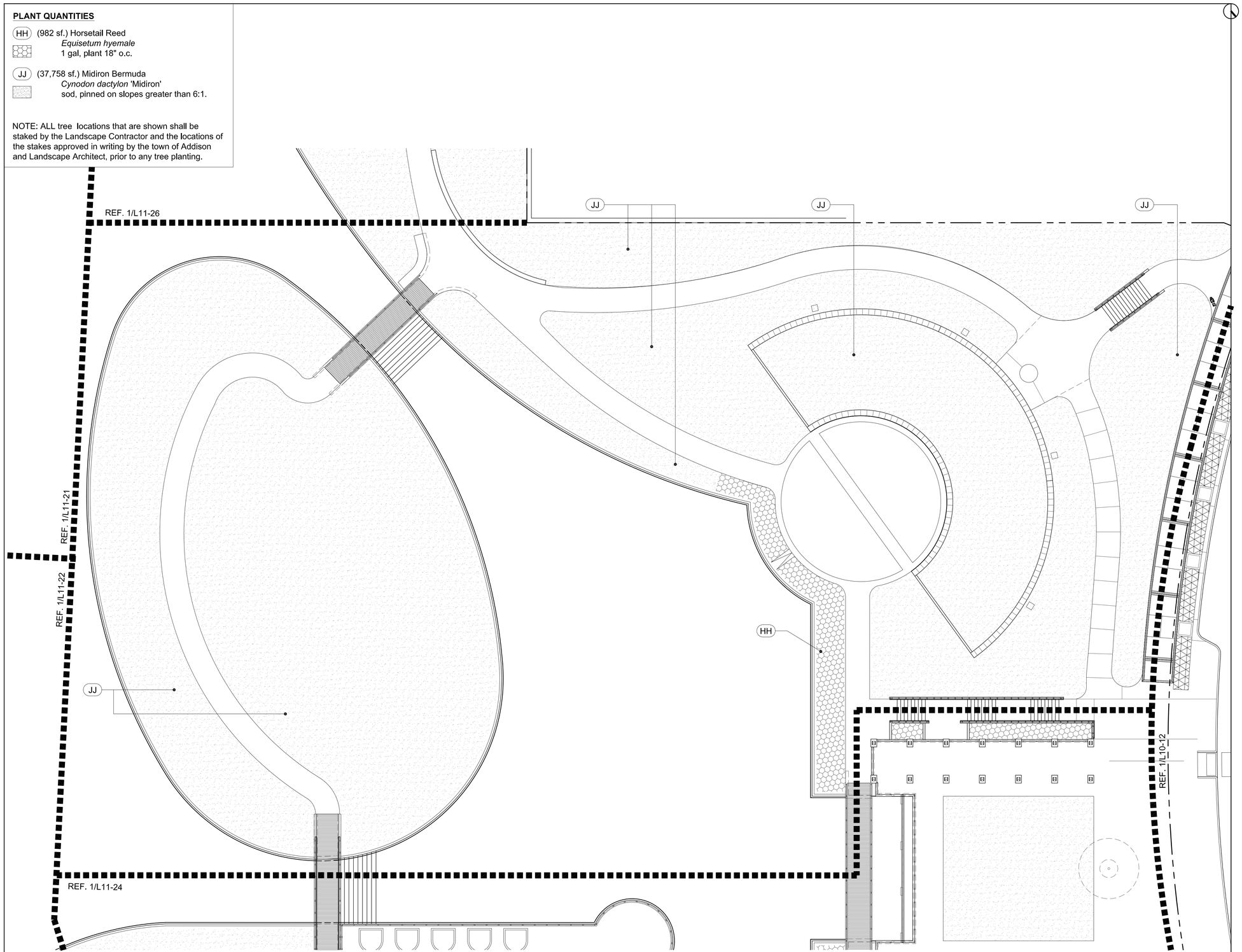
PARK AND STREETSCAPE IMPROVEMENTS - VITRUVIAN PARK

PLANT QUANTITIES

HH (982 sf.) Horsetail Reed
Equisetum hyemale
1 gal, plant 18" o.c.

JJ (37,758 sf.) Midiron Bermuda
Cynodon dactylon 'Midiron'
sod, pinned on slopes greater than 6:1.

NOTE: ALL tree locations that are shown shall be staked by the Landscape Contractor and the locations of the stakes approved in writing by the town of Addison and Landscape Architect, prior to any tree planting.



1
L11-25
Northern Park Area - G, Planting Plan - Shrubs, Groundcover & Grasses

PLANTING LEGEND

- A — Existing Tree to remain. Reference specifications for existing tree protection and treatment.
- B — Preserved Live Oak. *Quercus virginiana*. On-site, field dug specimen, requires 168" tree spade to move, LA to select and place. Ref. to "Tree Preservation Area Legend & Notes" (Inset on sheets L11-03, L11-04, L11-05 & L11-08) for number suffix.
- C — Live Oak. *Quercus virginiana*. 4" cal, single trunk, container grown.
- C1 — Live Oak, 'High Rise'. *Quercus virginiana, 'QVTIA'*. 4" cal, single trunk, container grown.
- D — NOT USED.
- E — NOT USED.
- F — Red Oak. *Quercus texana*. 4" cal, container grown.
- G — Shumard Oak. *Quercus shumardii*. 4" cal, container grown.
- H — Chinkapin Oak. *Quercus muhlenbergii*. 4" cal, container grown.
- I — Bald Cypress. *Taxodium distichum*. 4" cal, container grown.
- J — Pond Cypress. *Taxodium ascendens*. 4" cal, container grown.
- K — Texas Ash. *Fraxinus texensis*. 4" cal, container grown.
- L — Lacebark Elm. *Ulmus parvifolia*. 4" caliper, container grown.
- M — River Birch. *Betula nigra*. 12-14' ht., 3-5 canes each, B&B.
- AA — NOT USED.
- BB — Savannah Holly. *Ilex opaca x attenuata 'Savannah'*. 4" cal, single trunk, 12' ht, tree form, container grown.
- CC — Natchez Crape Myrtle. *Lagerstroemia indica 'Natchez'*. 12'-14' ht, multi trunk, 3-5 canes, grown for height.
- CC-2 — Natchez Crape Myrtle. *Lagerstroemia indica 'Natchez'*. 10'-12' ht, multi trunk, 3-5 canes, grown for height.
- DD — Oklahoma Redbud. *Cercis canadensis 'Oklahoma'*. 3"-3 ½" cal, 8' ht, container grown
- EE — Weeping Love Grass. Eragrostis curvula
- FF — Vitex. *Vitex agnus-castus*. 65 gal, 10' ht, container, grown for height.
- GG — Asian Jasmine. *Trachelospermum asiaticum*. 1 gal, plant 18" o.c.
- HH — Horsetail Reed. *Equisetum hyemale*. 1 gal, plant 18" o.c.
- II — Grass Mix for Hydromulch. Reference specifications for percentage of each seed for mixture: 1. Sideoats Grama, *Bouteloua curtipendula*; 2. Inland Sea Oats, *Chasmanthium latifolium*; 3. Prairie Wild Rye, *Elymus canadensis*; 4. Purple Top, *Tridens flavus*; 5. Virginia Wild Rye, *Elymus virginicus*; 6. Plains Bristlegrass, *Setaria vulpiseta*.
- JJ — Midiron Bermuda. *Cynodon dactylon* 'Midiron' sod, pinned on slopes greater than 6:1.
- KK — Harbor Dwarf Nandina. *Nandina domestica* 'Harbor Dwarf' 15 gal., 3' ht., 36" o.c.
- LL — Dwarf Chinese Holly. *Ilex cornuta 'Rotunda'*. 15 gal., 3' ht., 36" o.c.
- MM — Creeping Fig. *Ficus Pumila*. 1 gal., staggered 18"-24" o.c.
- NN — Mondo Grass. *Ophiopogon japonicus*. 4" pot, max. 8" o.c., diamond pattern.

PLANTING NOTES:

1. All tree locations that are shown shall be staked by the Landscape Contractor and the stakes approved in writing by the town of Addison and Landscape Architect, prior to any tree planting.
2. Any and all tree plantings shall not be planted less than five feet (clear) to the back of the pond edge walls.
3. See planting detail (1/L1-22) for special staking detail for tree plantings located on the islands.
4. Civil information for reference only. Verify actual location of utilities with Civil drawings.
5. All undimensioned trees for contractor to stake.
6. Contractor to provide aeration, pruning, and fertilization of preserved live oaks by an ISA certified arborist prior to construction around the trees.
7. Landscape contractor's scope of work to begin at finished grade minus 4".

REGISTERED LANDSCAPE ARCHITECT
KEVIN W SLOAN
2296
STATE OF TEXAS

NO.	REVISION	BY	DATE

TOWN OF ADDISON
DALLAS COUNTY, TEXAS

PARK AND STREETSCAPE IMPROVEMENTS
VITRUVIAN PARK

NORTHERN PARK AREA - G PLANTING PLAN - SHRUBS, GROUNDCOVER & GRASSES

KEVIN SLOAN STUDIO
4145 Travis, Suite 105
Dallas, Texas 75204 (214) 379-1061

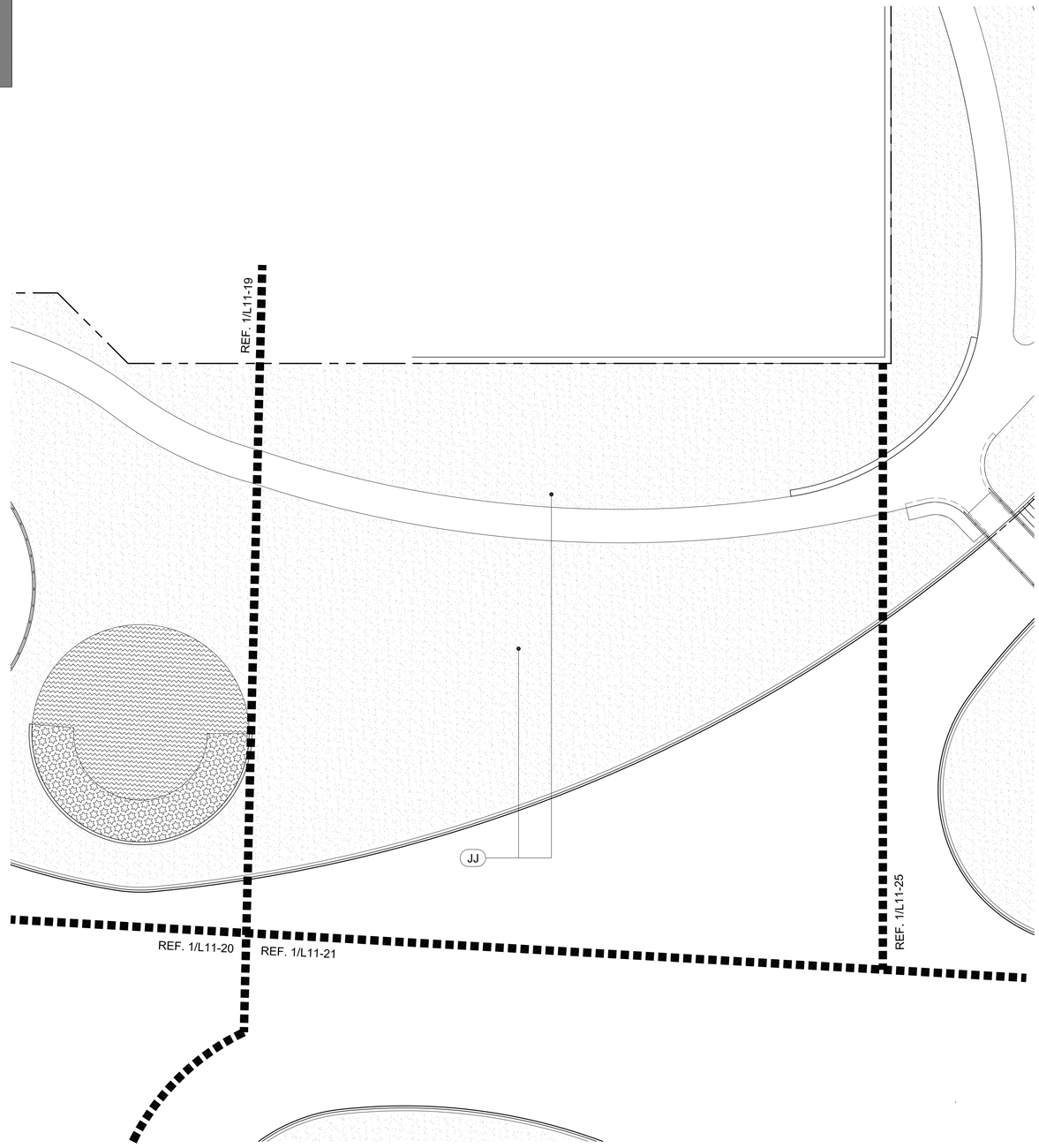
PROJECT	DESIGN	DRAWN	DATE	FILE	SHEET
5029-01	KWS	JP	APR 26, 2010	PW # 2009-04	L11-25

PARK AND STREETSCAPE IMPROVEMENTS - VITRUVIAN PARK

PLANT QUANTITIES

(JJ) (13,342 sf.) Midiron Bermuda
Cynodon dactylon 'Midiron'
sod, pinned on slopes greater than 6:1.

NOTE: ALL tree locations that are shown shall be staked by the Landscape Contractor and the locations of the stakes approved in writing by the town of Addison and Landscape Architect, prior to any tree planting.



PLANTING LEGEND

- (A) Existing Tree to remain
  Reference specifications for existing tree protection and treatment.
- (B) Preserved Live Oak
  Quercus virginiana
  On-site, field dug specimen, requires 168" tree spade to move, LA to select and place. Ref. to "Tree Preservation Area Legend & Notes" (Inset on sheets L11-03, L11-04, L11-05 & L11-08) for number suffix.
- (C) Live Oak
  Quercus virginiana
  4" cal, single trunk, container grown.
- (C1) Live Oak, 'High Rise'
  Quercus virginiana, 'QVTIA'
  4" cal, single trunk, container grown.
- (D) NOT USED.
- (E) NOT USED.
- (F) Red Oak
  Quercus texana
  4" cal, container grown.
- (G) Shumard Oak
  Quercus shumardii
  4" cal, container grown.
- (H) Chinkapin Oak
  Quercus muhlenbergii
  4" cal, container grown.
- (I) Bald Cypress
  Taxodium distichum
  4" cal, container grown.
- (J) Pond Cypress
  Taxodium ascendens
  4" cal, container grown.
- (K) Texas Ash
  Fraxinus texensis
  4" cal, container grown.
- (L) Lacebark Elm
  Ulmus parvifolia
  4" caliper, container grown.
- (M) River Birch
  Betula nigra
  12-14' ht., 3-5 canes each, B&B.
- (AA) NOT USED.
- (BB) Savannah Holly
  Ilex opaca x attenuata 'Savannah'
  4" cal, single trunk, 12' ht, tree form, container grown.
- (CC) Natchez Crape Myrtle
  Lagerstroemia indica 'Natchez'
  12'-14' ht, multi trunk, 3-5 canes, grown for height.
- (CC-2) Natchez Crape Myrtle
  Lagerstroemia indica 'Natchez'
  10'-12' ht, multi trunk, 3-5 canes, grown for height.
- (DD) Oklahoma Redbud
  Cercis canadensis 'Oklahoma'
  3"-3 ½" cal, 8' ht, container grown
- (EE) Weeping Love Grass
  Eragrostis curvula
- (FF) Vitex
  Vitex agnus-castus
  65 gal, 10' ht, container, grown for height.
- (GG) Asian Jasmine
  Trachelospermum asiaticum
  1 gal, plant 18" o.c.
- (HH) Horsetail Reed
  Equisetum hyemale
  1 gal, plant 18" o.c.
- (II) Grass Mix for Hydromulch
  Reference specifications for percentage of each seed for mixture: 1. Sideoats Grama, *Bouteloua curtipendula*; 2. Inland Sea Oats, *Chasmanthium latifolium*; 3. Prairie Wild Rye, *Elymus canadensis*; 4. Purple Top, *Tridens flavus*; 5. Virginia Wild Rye, *Elymus virginicus*; 6. Plains Bristlegrass, *Setaria vulpiseta*.
- (JJ) Midiron Bermuda
  Cynodon dactylon 'Midiron'
  sod, pinned on slopes greater than 6:1.
- (KK) Harbor Dwarf Nandina
  Nandina domestica 'Harbor Dwarf'
  15 gal., 3' ht., 36" o.c.
- (LL) Dwarf Chinese Holly
  Ilex cornuta 'Rotunda'
  15 gal., 3' ht., 36" o.c.
- (MM) Creeping Fig
  Ficus Pumila
  1 gal., staggered 18"-24" o.c.
- (NN) Mondo Grass
  Ophiopogon japonicus
  4" pot, max. 8" o.c., diamond pattern.

PLANTING NOTES:

1. All tree locations that are shown shall be staked by the Landscape Contractor and the stakes approved in writing by the town of Addison and Landscape Architect, prior to any tree planting.
2. Any and all tree plantings shall not be planted less than five feet (clear) to the back of the pond edge walls.
3. See planting detail (1/L1-22) for special staking detail for tree plantings located on the islands.
4. Civil information for reference only. Verify actual location of utilities with Civil drawings.
5. All undimensioned trees for contractor to stake.
6. Contractor to provide aeration, pruning, and fertilization of preserved live oaks by an ISA certified arborist prior to construction around the trees.
7. Landscape contractor's scope of work to begin at finished grade minus 4".

REGISTERED LANDSCAPE ARCHITECT
KEVIN W. SLOAN
2296
STATE OF TEXAS

NO.	REVISION	BY	DATE

TOWN OF ADDISON
DALLAS COUNTY, TEXAS

PARK AND STREETSCAPE IMPROVEMENTS
VITRUVIAN PARK

NORTHERN PARK AREA - H PLANTING PLAN - SHRUBS, GROUNDCOVER & GRASSES

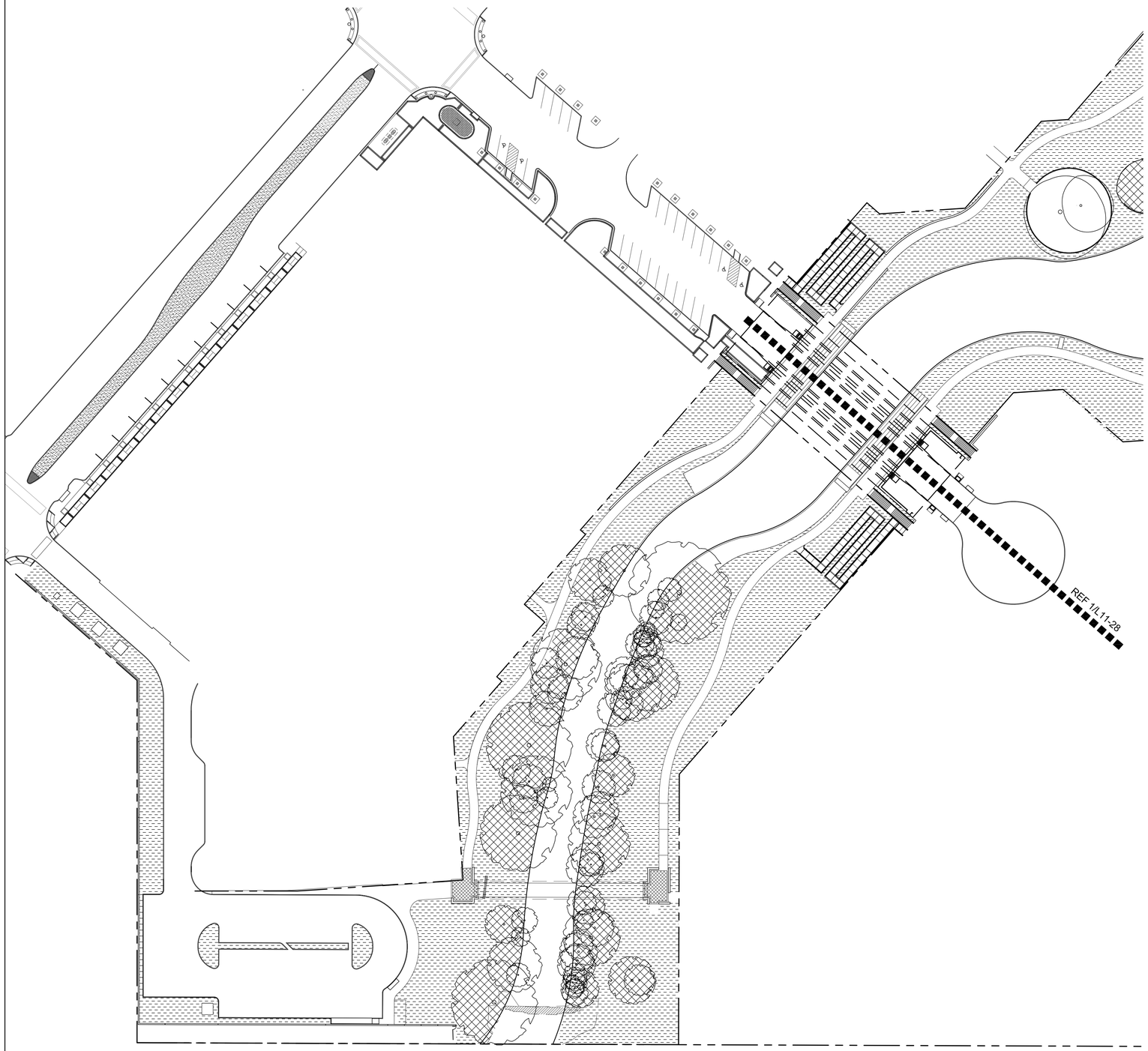
KEVIN SLOAN STUDIO
4145 Travis, Suite 105
Dallas, Texas 75204 (214) 379-1061

PROJECT	DESIGN	DRAWN	DATE	FILE	SHEET
5029-01	KWS	JP	APR 26, 2010	PW # 2009-04	L11-26

PARK AND STREETSCAPE IMPROVEMENTS - VITRUVIAN PARK

1
L11-26
Northern Park Area - H, Planting Plan - Shrubs, Groundcover & Grasses

0' 8' 16' 32'



LEGEND

Top Soil

Power Rake
Areas directly beneath dripline of existing trees.

PLANTING LEGEND

- (A) Existing Tree to remain
  Reference specifications for existing tree protection and treatment.
- (B) Preserved Live Oak
  Quercus virginiana
  On-site, field dug specimen, requires 168" tree spade to move, LA to select and place. Ref. to "Tree Preservation Area Legend & Notes" (Inset on sheets L11-03, L11-04, L11-05 & L11-08) for number suffix.
- (C) Live Oak
  Quercus virginiana
  4" cal, single trunk, container grown.
- (C1) Live Oak, 'High Rise'
  Quercus virginiana, 'QVTIA'
  4" cal, single trunk, container grown.
- (D) NOT USED.
- (E) NOT USED.
- (F) Red Oak
  Quercus texana
  4" cal, container grown.
- (G) Shumard Oak
  Quercus shumardii
  4" cal, container grown.
- (H) Chinkapin Oak
  Quercus muhlenbergii
  4" cal, container grown.
- (I) Bald Cypress
  Taxodium distichum
  4" cal, container grown.
- (J) Pond Cypress
  Taxodium ascendens
  4" cal, container grown,
- (K) Texas Ash
  Fraxinus texensis
  4" cal, container grown.
- (L) Lacebark Elm
  Ulmus parvifolia
  4" caliper, container grown.
- (M) River Birch
  Betula nigra
  12-14' ht,, 3-5 canes each, B&B.
- (AA) NOT USED.
- (BB) Savannah Holly
  Ilex opaca x attenuata 'Savannah'
  4" cal, single trunk, 12' ht, tree form, container grown.
- (CC) Natchez Crape Myrtle
  Lagerstroemia indica 'Natchez'
  12'-14' ht, multi trunk, 3-5 canes, grown for height.
- (CC-2) Natchez Crape Myrtle
  Lagerstroemia indica 'Natchez'
  10'-12' ht, multi trunk, 3-5 canes, grown for height.
- (DD) Oklahoma Redbud
  Cercis canadensis 'Oklahoma'
  3"-3 ½" cal, 8' ht, container grown
- (EE) Weeping Love Grass
  Eragrostis curvula
- (FF) Vitex
  Vitex agnus-castus
  65 gal, 10' ht, container, grown for height.
- (GG) Asian Jasmine
  Trachelospermum asiaticum
  1 gal, plant 18" o.c.
- (HH) Horsetail Reed
  Equisetum hyemale
  1 gal, plant 18" o.c.
- (II) Grass Mix for Hydromulch
  Reference specifications for percentage of each seed for mixture: 1. Sideoats Grama, *Bouteloua curtipendula*; 2. Inland Sea Oats, *Chasmanthium latifolium*; 3. Prairie Wild Rye, *Elymus canadensis*; 4. Purple Top, *Tridens flavus*; 5. Virginia Wild Rye, *Elymus virginicus*; 6. Plains Bristlegrass, *Setaria vulpiseta*.
- (JJ) Midiron Bermuda
  Cynodon dactylon 'Midiron'
  sod, pinned on slopes greater than 6:1.
- (KK) Harbor Dwarf Nandina
  Nandina domestica 'Harbor Dwarf'
  15 gal., 3' ht., 36" o.c.
- (LL) Dwarf Chinese Holly
  Ilex cornuta 'Rotunda'
  15 gal., 3' ht., 36" o.c.
- (MM) Creeping Fig
  Ficus Pumila
  1 gal., staggered 18"-24" o.c.
- (NN) Mondo Grass
  Ophiopogon japonicus
  4" pot, max. 8" o.c., diamond pattern.

PLANTING NOTES:

1. All tree locations that are shown shall be staked by the Landscape Contractor and the stakes approved in writing by the town of Addison and Landscape Architect, prior to any tree planting.
2. Any and all tree plantings shall not be planted less than five feet (clear) to the back of the pond edge walls.
3. See planting detail (1/L1-22) for special staking detail for tree plantings located on the islands.
4. Civil information for reference only. Verify actual location of utilities with Civil drawings.
5. All undimensioned trees for contractor to stake.
6. Contractor to provide aeration, pruning, and fertilization of preserved live oaks by an ISA certified arborist prior to construction around the trees.
7. Landscape contractor's scope of work to begin at finished grade minus 4".

REGISTERED LANDSCAPE ARCHITECT
KEVIN W. SLOAN
2296
STATE OF TEXAS

NO.	REVISION	BY	DATE

TOWN OF ADDISON
DALLAS COUNTY, TEXAS

PARK AND STREETSCAPE IMPROVEMENTS
VITRUVIAN PARK

SOUTHERN PARK AREA - TOP SOIL & POWER RAKE AREAS

KEVIN SLOAN STUDIO
4145 Travis, Suite 105
Dallas, Texas 75204 (214) 379-1061

PROJECT	DESIGN	DRAWN	DATE	FILE	SHEET
5029-01	KWS	JP	APR 26, 2010	PW # 2009-04	L11-27

PARK AND STREETSCAPE IMPROVEMENTS - VITRUVIAN PARK

1
L11-27
Southern Park - Top Soil and Power Rake Areas

0' 25' 50' 100'

1
L11-28
Northern Park, Top Soil and Power Rake Areas

0' 25' 50' 100'

LEGEND

Top Soil

Power Rake
Areas directly beneath dripline of existing trees.

PLANTING LEGEND

- (A) Existing Tree to remain
  Reference specifications for existing tree protection and treatment.
- (B) Preserved Live Oak
  Quercus virginiana
  On-site, field dug specimen, requires 168" tree spade to move, LA to select and place. Ref. to "Tree Preservation Area Legend & Notes" (Inset on sheets L11-03, L11-04, L11-05 & L11-08) for number suffix.
- (C) Live Oak
  Quercus virginiana
  4" cal, single trunk, container grown.
- (C1) Live Oak, 'High Rise'
  Quercus virginiana, 'QVTIA'
  4" cal, single trunk, container grown.
- (D) NOT USED.
- (E) NOT USED.
- (F) Red Oak
  Quercus texana
  4" cal, container grown.
- (G) Shumard Oak
  Quercus shumardii
  4" cal, container grown.
- (H) Chinkapin Oak
  Quercus muhlenbergii
  4" cal, container grown.
- (I) Bald Cypress
  Taxodium distichum
  4" cal, container grown.
- (J) Pond Cypress
  Taxodium ascendens
  4" cal, container grown,
- (K) Texas Ash
  Fraxinus texensis
  4" cal, container grown.
- (L) Lacebark Elm
  Ulmus parvifolia
  4" caliper, container grown.
- (M) River Birch
  Betula nigra
  12-14' ht,, 3-5 canes each, B&B.
- (AA) NOT USED.
- (BB) Savannah Holly
  Ilex opaca x attenuata 'Savannah'
  4" cal, single trunk, 12' ht, tree form, container grown.
- (CC) Natchez Crape Myrtle
  Lagerstroemia indica 'Natchez'
  12'-14' ht, multi trunk, 3-5 canes, grown for height.
- (CC-2) Natchez Crape Myrtle
  Lagerstroemia indica 'Natchez'
  10'-12' ht, multi trunk, 3-5 canes, grown for height.
- (DD) Oklahoma Redbud
  Cercis canadensis 'Oklahoma'
  3"-3 ½" cal, 8' ht, container grown
- (EE) Weeping Love Grass
  Eragrostis curvula
- (FF) Vitex
  Vitex agnus-castus
  65 gal, 10' ht, container, grown for height.
- (GG) Asian Jasmine
  Trachelospermum asiaticum
  1 gal, plant 18" o.c.
- (HH) Horsetail Reed
  Equisetum hyemale
  1 gal, plant 18" o.c.
- (II) Grass Mix for Hydromulch
  Reference specifications for percentage of each seed for mixture: 1. Sideoats Grama, *Bouteloua curtipendula*; 2. Inland Sea Oats, *Chasmanthium latifolium*; 3. Prairie Wild Rye, *Elymus canadensis*; 4. Purple Top, *Tridens flavus*; 5. Virginia Wild Rye, *Elymus virginicus*; 6. Plains Bristlegrass, *Setaria vulpiseta*.
- (JJ) Midiron Bermuda
  Cynodon dactylon 'Midiron'
  sod, pinned on slopes greater than 6:1.
- (KK) Harbor Dwarf Nandina
  Nandina domestica 'Harbor Dwarf'
  15 gal., 3' ht., 36" o.c.
- (LL) Dwarf Chinese Holly
  Ilex cornuta 'Rotunda'
  15 gal., 3' ht., 36" o.c.
- (MM) Creeping Fig
  Ficus Pumila
  1 gal., staggered 18"-24" o.c.
- (NN) Mondo Grass
  Ophiopogon japonicus
  4" pot, max. 8" o.c., diamond pattern.

PLANTING NOTES:

1. All tree locations that are shown shall be staked by the Landscape Contractor and the stakes approved in writing by the town of Addison and Landscape Architect, prior to any tree planting.
2. Any and all tree plantings shall not be planted less than five feet (clear) to the back of the pond edge walls.
3. See planting detail (1/L1-22) for special staking detail for tree plantings located on the islands.
4. Civil information for reference only. Verify actual location of utilities with Civil drawings.
5. All undimensioned trees for contractor to stake.
6. Contractor to provide aeration, pruning, and fertilization of preserved live oaks by an ISA certified arborist prior to construction around the trees.
7. Landscape contractor's scope of work to begin at finished grade minus 4".

REGISTERED LANDSCAPE ARCHITECT
KEVIN W. SLOAN
2296
STATE OF TEXAS

NO.	REVISION	BY	DATE

TOWN OF ADDISON
DALLAS COUNTY, TEXAS

PARK AND STREETSCAPE IMPROVEMENTS
VITRUVIAN PARK

NORTHERN PARK AREA - TOP SOIL & POWER RAKE AREAS

KEVIN SLOAN STUDIO
4145 Travis, Suite 105
Dallas, Texas 75204 (214) 379-1061

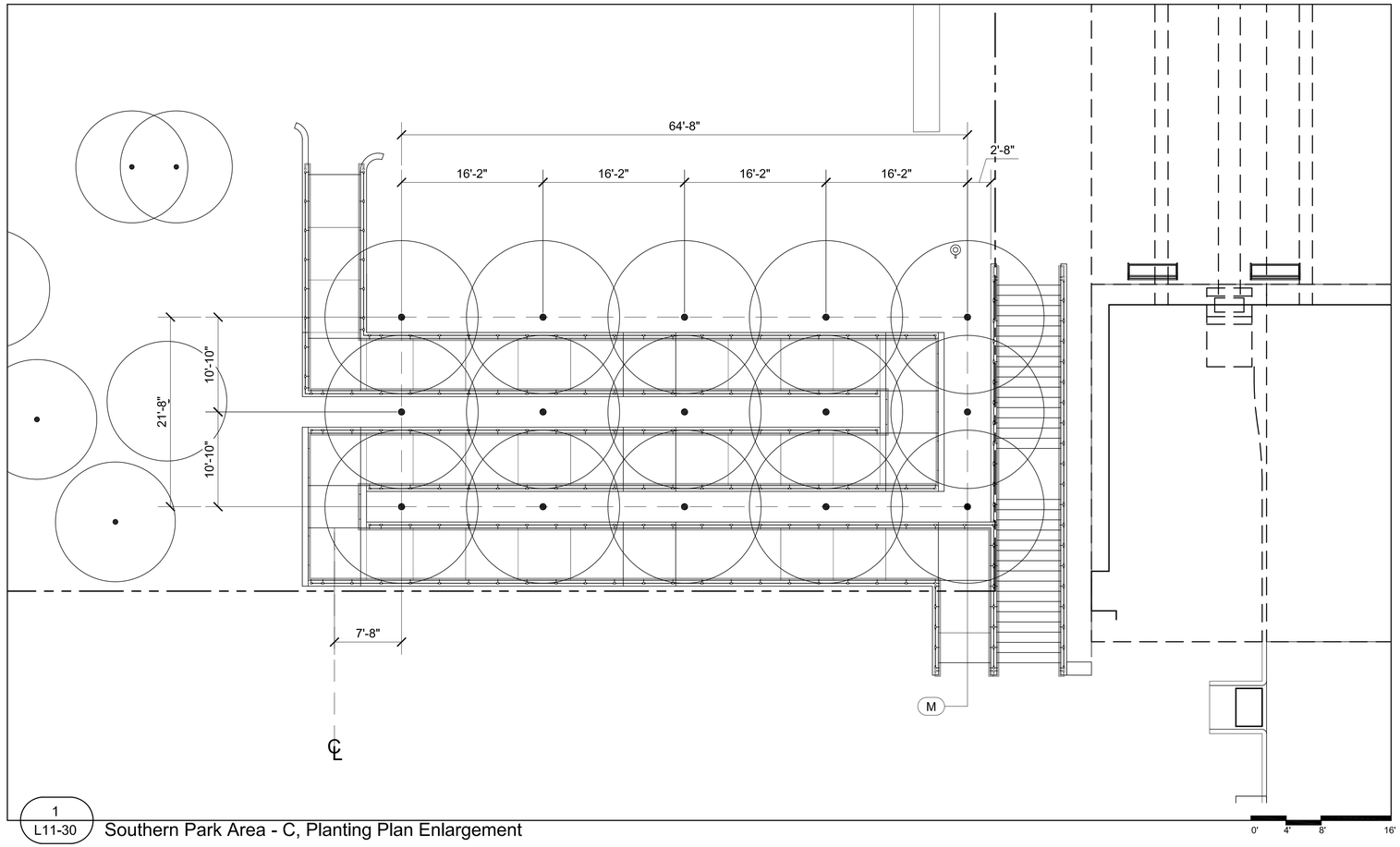
PROJECT	DESIGN	DRAWN	DATE	FILE	SHEET
5029-01	KWS	JP	APR 26, 2010	PW # 2009-04	L11-28

PARK AND STREETSCAPE IMPROVEMENTS - VITRUVIAN PARK

PLANT QUANTITIES

(M) (15) River Birch
Betula nigra
12-14' ht., 3-5 canes, B&B.

NOTE: ALL tree locations that are shown shall be staked by the Landscape Contractor and the locations of the stakes approved in writing by the town of Addison and Landscape Architect, prior to any tree planting.



1
L11-30 Southern Park Area - C, Planting Plan Enlargement

PLANTING LEGEND

- (A) Existing Tree to remain
  Reference specifications for existing tree protection and treatment.
- (B) Preserved Live Oak
  Quercus virginiana
  On-site, field dug specimen, requires 168" tree spade to move, LA to select and place. Ref. to "Tree Preservation Area Legend & Notes" (Inset on sheets L11-03, L11-04, L11-05 & L11-08) for number suffix.
- (C) Live Oak
  Quercus virginiana
  4" cal, single trunk, container grown.
- (C1) Live Oak, 'High Rise'
  Quercus virginiana, 'QVTIA'
  4" cal, single trunk, container grown.
- (D) NOT USED.
- (E) NOT USED.
- (F) Red Oak
  Quercus texana
  4" cal, container grown.
- (G) Shumard Oak
  Quercus shumardii
  4" cal, container grown.
- (H) Chinkapin Oak
  Quercus muhlenbergii
  4" cal, container grown.
- (I) Bald Cypress
  Taxodium distichum
  4" cal, container grown.
- (J) Pond Cypress
  Taxodium ascendens
  4" cal, container grown.
- (K) Texas Ash
  Fraxinus texensis
  4" cal, container grown.
- (L) Lacebark Elm
  Ulmus parvifolia
  4" caliper, container grown.
- (M) River Birch
  Betula nigra
  12-14' ht., 3-5 canes each, B&B.
- (AA) NOT USED.
- (BB) Savannah Holly
  Ilex opaca x attenuata 'Savannah'
  4" cal, single trunk, 12' ht, tree form, container grown.
- (CC) Natchez Crape Myrtle
  Lagerstroemia indica 'Natchez'
  12'-14' ht, multi trunk, 3-5 canes, grown for height.
- (CC-2) Natchez Crape Myrtle
  Lagerstroemia indica 'Natchez'
  10'-12' ht, multi trunk, 3-5 canes, grown for height.
- (DD) Oklahoma Redbud
  Cercis canadensis 'Oklahoma'
  3"-3 ½" cal, 8' ht, container grown
- (EE) Weeping Love Grass
  Eragrostis curvula
- (FF) Vitex
  Vitex agnus-castus
  65 gal, 10' ht, container, grown for height.
- (GG) Asian Jasmine
  Trachelospermum asiaticum
  1 gal, plant 18" o.c.
- (HH) Horsetail Reed
  Equisetum hyemale
  1 gal, plant 18" o.c.
- (II) Grass Mix for Hydromulch
  Reference specifications for percentage of each seed for mixture: 1. Sideoats Grama, *Bouteloua curtipendula*; 2. Inland Sea Oats, *Chasmanthium latifolium*; 3. Prairie Wild Rye, *Elymus canadensis*; 4. Purple Top, *Tridens flavus*; 5. Virginia Wild Rye, *Elymus virginicus*; 6. Plains Bristlegrass, *Setaria vulpiseta*.
- (JJ) Midiron Bermuda
  Cynodon dactylon 'Midiron'
  sod, pinned on slopes greater than 6:1.
- (KK) Harbor Dwarf Nandina
  Nandina domestica 'Harbor Dwarf'
  15 gal., 3' ht., 36" o.c.
- (LL) Dwarf Chinese Holly
  Ilex cornuta 'Rotunda'
  15 gal., 3' ht., 36" o.c.
- (MM) Creeping Fig
  Ficus Pumila
  1 gal., staggered 18"-24" o.c.
- (NN) Mondo Grass
  Ophiopogon japonicus
  4" pot, max. 8" o.c., diamond pattern.

PLANTING NOTES:

1. All tree locations that are shown shall be staked by the Landscape Contractor and the stakes approved in writing by the town of Addison and Landscape Architect, prior to any tree planting.
2. Any and all tree plantings shall not be planted less than five feet (clear) to the back of the pond edge walls.
3. See planting detail (1/L1-22) for special staking detail for tree plantings located on the islands.
4. Civil information for reference only. Verify actual location of utilities with Civil drawings.
5. All undimensioned trees for contractor to stake.
6. Contractor to provide aeration, pruning, and fertilization of preserved live oaks by an ISA certified arborist prior to construction around the trees.
7. Landscape contractor's scope of work to begin at finished grade minus 4".

REGISTERED LANDSCAPE ARCHITECT
KEVIN W. SLOAN
2296
STATE OF TEXAS

NO.	REVISION	BY	DATE

TOWN OF ADDISON
DALLAS COUNTY, TEXAS

PARK AND STREETSCAPE IMPROVEMENTS
VITRUVIAN PARK

SOUTHERN PARK AREA C - PLANTING PLAN ENLARGEMENT

KEVIN SLOAN STUDIO
4145 Travis, Suite 105
Dallas, Texas 75204 (214) 379-1061

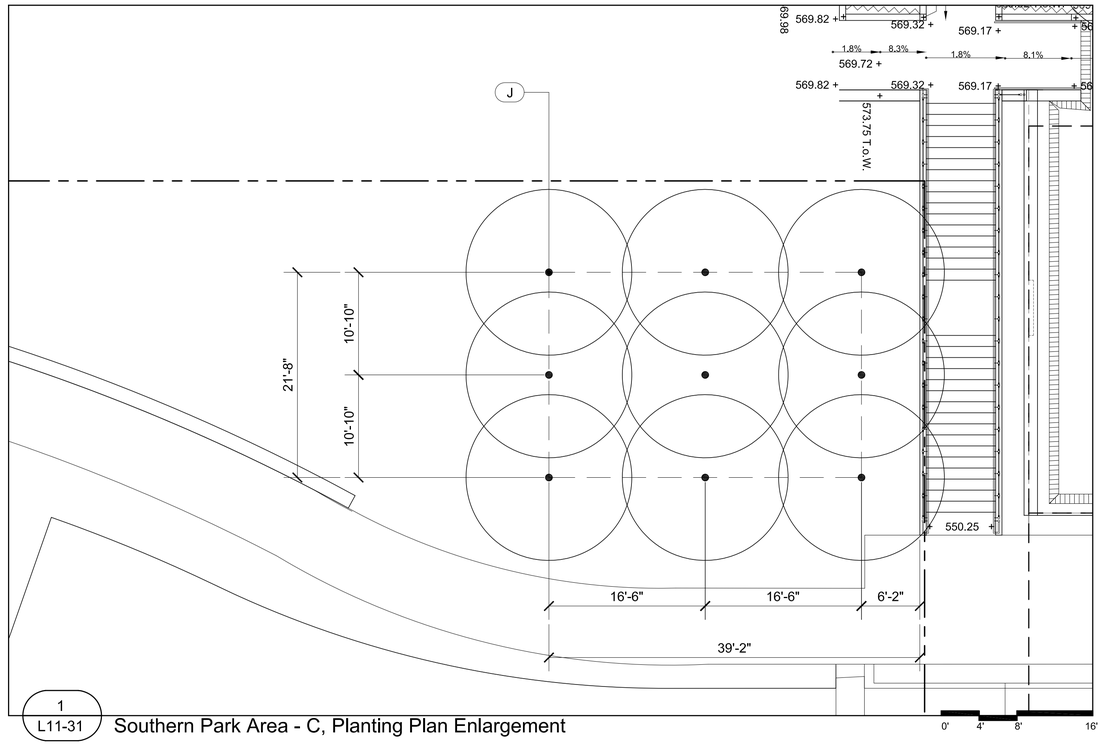
PROJECT	DESIGN	DRAWN	DATE	FILE	SHEET
5029-01	KWS	JP	APR 26, 2010	PW # 2009-04	L11-30

PARK AND STREETSCAPE IMPROVEMENTS - VITRUVIAN PARK

PLANT QUANTITIES

(J) (9) Pond Cypress
Taxodium ascendens
4" cal, B&B.

NOTE: ALL tree locations that are shown shall be staked by the Landscape Contractor and the locations of the stakes approved in writing by the town of Addison and Landscape Architect, prior to any tree planting.



1
L11-31 Southern Park Area - C, Planting Plan Enlargement

PLANTING LEGEND

- (A) Existing Tree to remain
  Reference specifications for existing tree protection and treatment.
- (B) Preserved Live Oak
  Quercus virginiana
  On-site, field dug specimen, requires 168" tree spade to move, LA to select and place. Ref. to "Tree Preservation Area Legend & Notes" (Inset on sheets L11-03, L11-04, L11-05 & L11-08) for number suffix.
- (C) Live Oak
  Quercus virginiana
  4" cal, single trunk, container grown.
- (C1) Live Oak, 'High Rise'
  Quercus virginiana, 'QVTIA'
  4" cal, single trunk, container grown.
- (D) NOT USED.
- (E) NOT USED.
- (F) Red Oak
  Quercus texana
  4" cal, container grown.
- (G) Shumard Oak
  Quercus shumardii
  4" cal, container grown.
- (H) Chinkapin Oak
  Quercus muhlenbergii
  4" cal, container grown.
- (I) Bald Cypress
  Taxodium distichum
  4" cal, container grown.
- (J) Pond Cypress
  Taxodium ascendens
  4" cal, container grown.
- (K) Texas Ash
  Fraxinus texensis
  4" cal, container grown.
- (L) Lacebark Elm
  Ulmus parvifolia
  4" caliper, container grown.
- (M) River Birch
  Betula nigra
  12-14' ht., 3-5 canes each, B&B.
- (AA) NOT USED.
- (BB) Savannah Holly
  Ilex opaca x attenuata 'Savannah'
  4" cal, single trunk, 12' ht, tree form, container grown.
- (CC) Natchez Crape Myrtle
  Lagerstroemia indica 'Natchez'
  12'-14' ht, multi trunk, 3-5 canes, grown for height.
- (CC-2) Natchez Crape Myrtle
  Lagerstroemia indica 'Natchez'
  10'-12' ht, multi trunk, 3-5 canes, grown for height.
- (DD) Oklahoma Redbud
  Cercis canadensis 'Oklahoma'
  3"-3 ½" cal, 8' ht, container grown
- (EE) Weeping Love Grass
  Eragrostis curvula
- (FF) Vitex
  Vitex agnus-castus
  65 gal, 10' ht, container, grown for height.
- (GG) Asian Jasmine
  Trachelospermum asiaticum
  1 gal, plant 18" o.c.
- (HH) Horsetail Reed
  Equisetum hyemale
  1 gal, plant 18" o.c.
- (II) Grass Mix for Hydromulch
  Reference specifications for percentage of each seed for mixture: 1. Sideoats Grama, *Bouteloua curtipendula*; 2. Inland Sea Oats, *Chasmanthium latifolium*; 3. Prairie Wild Rye, *Elymus canadensis*; 4. Purple Top, *Tridens flavus*; 5. Virginia Wild Rye, *Elymus virginicus*; 6. Plains Bristlegrass, *Setaria vulpiseta*.
- (JJ) Midiron Bermuda
  Cynodon dactylon 'Midiron'
  sod, pinned on slopes greater than 6:1.
- (KK) Harbor Dwarf Nandina
  Nandina domestica 'Harbor Dwarf'
  15 gal., 3' ht., 36" o.c.
- (LL) Dwarf Chinese Holly
  Ilex cornuta 'Rotunda'
  15 gal., 3' ht., 36" o.c.
- (MM) Creeping Fig
  Ficus Pumila
  1 gal., staggered 18"-24" o.c.
- (NN) Mondo Grass
  Ophiopogon japonicus
  4" pot, max. 8" o.c., diamond pattern.

PLANTING NOTES:

1. All tree locations that are shown shall be staked by the Landscape Contractor and the stakes approved in writing by the town of Addison and Landscape Architect, prior to any tree planting.
2. Any and all tree plantings shall not be planted less than five feet (clear) to the back of the pond edge walls.
3. See planting detail (1/L1-22) for special staking detail for tree plantings located on the islands.
4. Civil information for reference only. Verify actual location of utilities with Civil drawings.
5. All undimensioned trees for contractor to stake.
6. Contractor to provide aeration, pruning, and fertilization of preserved live oaks by an ISA certified arborist prior to construction around the trees.
7. Landscape contractor's scope of work to begin at finished grade minus 4".

REGISTERED LANDSCAPE ARCHITECT KEVIN W. SLOAN 2296 STATE OF TEXAS

NO.	REVISION	BY	DATE

TOWN OF ADDISON
DALLAS COUNTY, TEXAS

PARK AND STREETSCAPE IMPROVEMENTS
VITRUVIAN PARK

SOUTHERN PARK AREA C - PLANTING PLAN ENLARGEMENT

KEVIN SLOAN STUDIO
4145 Travis, Suite 105
Dallas, Texas 75204 (214) 379-1061

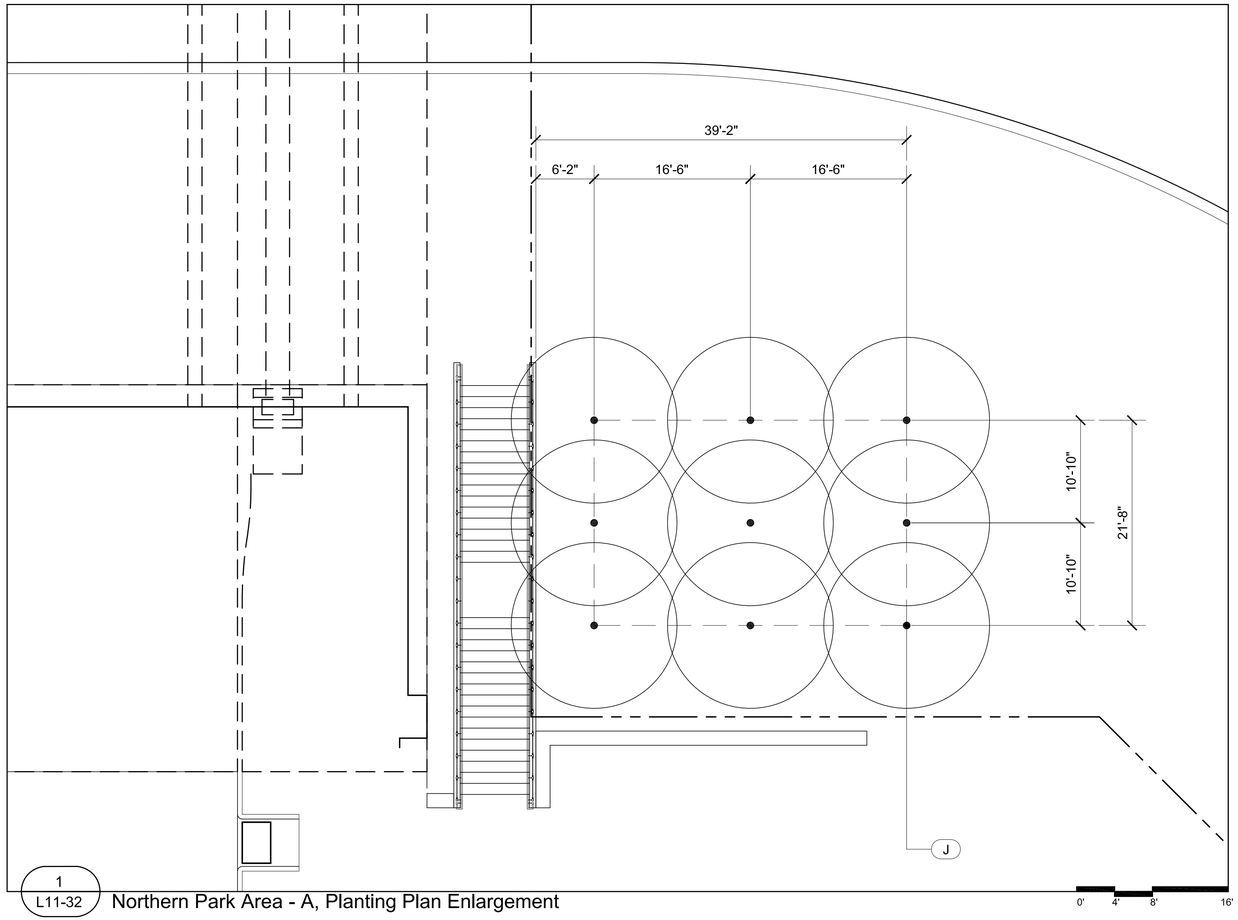
PROJECT	DESIGN	DRAWN	DATE	FILE	SHEET
5029-01	KWS	JP	APR 26, 2010	PW # 2009-04	L11-31

PARK AND STREETSCAPE IMPROVEMENTS - VITRUVIAN PARK

PLANT QUANTITIES

(J) (9) Pond Cypress
Taxodium ascendens
4" cal, B&B.

NOTE: ALL tree locations that are shown shall be staked by the Landscape Contractor and the locations of the stakes approved in writing by the town of Addison and Landscape Architect, prior to any tree planting.



1
L11-32
Northern Park Area - A, Planting Plan Enlargement

PLANTING LEGEND

- (A) Existing Tree to remain
  Reference specifications for existing tree protection and treatment.
- (B) Preserved Live Oak
  Quercus virginiana
  On-site, field dug specimen, requires 168" tree spade to move, LA to select and place. Ref. to "Tree Preservation Area Legend & Notes" (Inset on sheets L11-03, L11-04, L11-05 & L11-08) for number suffix.
- (C) Live Oak
  Quercus virginiana
  4" cal, single trunk, container grown.
- (C1) Live Oak, 'High Rise'
  Quercus virginiana, 'QVTIA'
  4" cal, single trunk, container grown.
- (D) NOT USED.
- (E) NOT USED.
- (F) Red Oak
  Quercus texana
  4" cal, container grown.
- (G) Shumard Oak
  Quercus shumardii
  4" cal, container grown.
- (H) Chinkapin Oak
  Quercus muhlenbergii
  4" cal, container grown.
- (I) Bald Cypress
  Taxodium distichum
  4" cal, container grown.
- (J) Pond Cypress
  Taxodium ascendens
  4" cal, container grown.
- (K) Texas Ash
  Fraxinus texensis
  4" cal, container grown.
- (L) Lacebark Elm
  Ulmus parvifolia
  4" caliper, container grown.
- (M) River Birch
  Betula nigra
  12-14' ht., 3-5 canes each, B&B.
- (AA) NOT USED.
- (BB) Savannah Holly
  Ilex opaca x attenuata 'Savannah'
  4" cal, single trunk, 12' ht, tree form, container grown.
- (CC) Natchez Crape Myrtle
  Lagerstroemia indica 'Natchez'
  12'-14' ht, multi trunk, 3-5 canes, grown for height.
- (CC-2) Natchez Crape Myrtle
  Lagerstroemia indica 'Natchez'
  10'-12' ht, multi trunk, 3-5 canes, grown for height.
- (DD) Oklahoma Redbud
  Cercis canadensis 'Oklahoma'
  3"-3 ½" cal, 8' ht, container grown
- (EE) Weeping Love Grass
  Eragrostis curvula
- (FF) Vitex
  Vitex agnus-castus
  65 gal, 10' ht, container, grown for height.
- (GG) Asian Jasmine
  Trachelospermum asiaticum
  1 gal, plant 18" o.c.
- (HH) Horsetail Reed
  Equisetum hyemale
  1 gal, plant 18" o.c.
- (II) Grass Mix for Hydromulch
  Reference specifications for percentage of each seed for mixture: 1. Sideoats Grama, *Bouteloua curtipendula*; 2. Inland Sea Oats, *Chasmanthium latifolium*; 3. Prairie Wild Rye, *Elymus canadensis*; 4. Purple Top, *Tridens flavus*; 5. Virginia Wild Rye, *Elymus virginicus*; 6. Plains Bristlegrass, *Setaria vulpiseta*.
- (JJ) Midiron Bermuda
  Cynodon dactylon 'Midiron'
  sod, pinned on slopes greater than 6:1.
- (KK) Harbor Dwarf Nandina
  Nandina domestica 'Harbor Dwarf'
  15 gal., 3' ht., 36" o.c.
- (LL) Dwarf Chinese Holly
  Ilex cornuta 'Rotunda'
  15 gal., 3' ht., 36" o.c.
- (MM) Creeping Fig
  Ficus Pumila
  1 gal., staggered 18"-24" o.c.
- (NN) Mondo Grass
  Ophiopogon japonicus
  4" pot, max. 8" o.c., diamond pattern.

PLANTING NOTES:

1. All tree locations that are shown shall be staked by the Landscape Contractor and the stakes approved in writing by the town of Addison and Landscape Architect, prior to any tree planting.
2. Any and all tree plantings shall not be planted less than five feet (clear) to the back of the pond edge walls.
3. See planting detail (1/L1-22) for special staking detail for tree plantings located on the islands.
4. Civil information for reference only. Verify actual location of utilities with Civil drawings.
5. All undimensioned trees for contractor to stake.
6. Contractor to provide aeration, pruning, and fertilization of preserved live oaks by an ISA certified arborist prior to construction around the trees.
7. Landscape contractor's scope of work to begin at finished grade minus 4".

REGISTERED LANDSCAPE ARCHITECT KEVIN W. SLOAN 2296 STATE OF TEXAS

NO.	REVISION	BY	DATE

TOWN OF ADDISON
DALLAS COUNTY, TEXAS

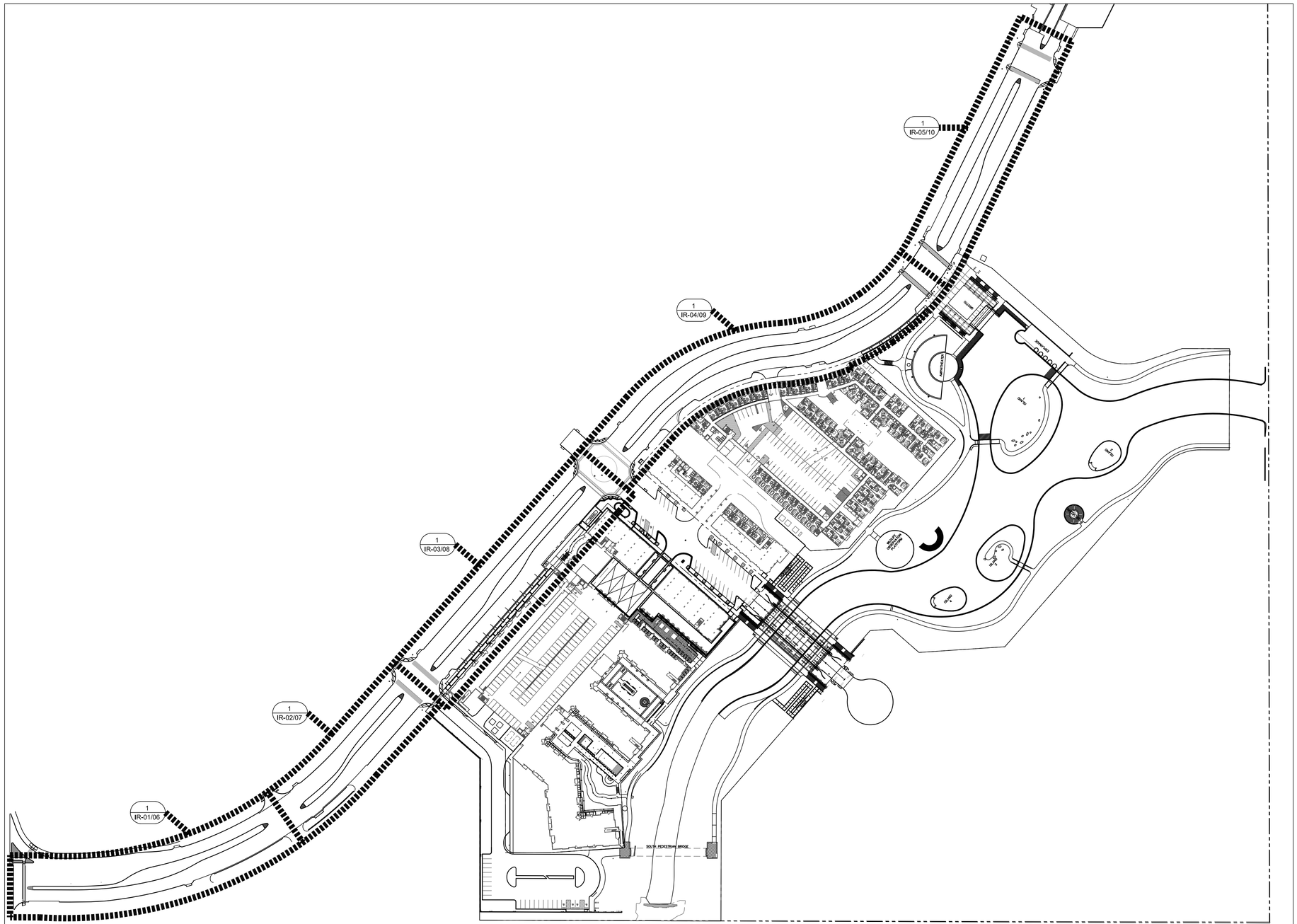
PARK AND STREETSCAPE IMPROVEMENTS
VITRUVIAN PARK

NORTHERN PARK AREA A - PLANTING PLAN ENLARGEMENT

KEVIN SLOAN STUDIO
4145 Travis, Suite 105
Dallas, Texas 75204 (214) 379-1061

PROJECT	DESIGN	DRAWN	DATE	FILE	SHEET
5029-01	KWS	JP	APR 26, 2010	PW # 2009-04	L11-32

PARK AND STREETSCAPE IMPROVEMENTS - VITRUVIAN PARK



1
IR-00 Streetscape & Infrastructure Irrigation Plan Cover Sheet

Irrigation in Texas is regulated by the Texas Commission of Environmental Quality (TCEQ), MC-178, P.O. Box 13087, Austin, Texas, 78711-3087. TCEQ website is: www.tceq.state.tx.us

IRRIGATION LEGEND:

SYMBOL	DESCRIPTION
●	LAWN SPRAY HEAD
⊘	HIGH-POP SPRAY HEAD
⊕	TREE BUBBLER HEAD
◔	TREE BUBBLER HEAD
■	LAWN CENTER STRIP HEAD
□	LAWN END STRIP HEAD
◪	HIGH-POP CENTER STRIP HEAD
◧	HIGH-POP END STRIP HEAD
⊕	SMALL ROTARY
◑	SMALL ROTARY PART-CIRCLE
⊕	SMALL ROTARY PART-CIRCLE
◐	ROTARY PART-CIRCLE
⊙	ROTARY FULL-CIRCLE
⊘	ROTARY PART-CIRCLE
◉	ROTARY FULL-CIRCLE
▲	QUICK COUPLING VALVE
|◯|	REMOTE CONTROL VALVE
◯	BALL VALVE
●	GATE VALVE
▬	CONTROLLER
— —	MAINLINE PIPING
———	LATERAL PIPING
———	DISTRIBUTION TUBING
|◯|	REMOTE CONTROL DRIP VALVE
⋮⋮⋮	PLANTING BED TECHLINE TUBING
NN	BACKFLOW PREVENTER
Ⓦ	WATER METER
Ⓘ	ISOLATION VALVE
Ⓨ	WYE STRAINER
Ⓕ	FLOW METER
Ⓜ	MASTER VALVE
▭	STATION NUMBER VALVE SIZE GPM (APPROX.)

STATE OF TEXAS
SETH A. HEIDMAN
5881
LICENSED IRRIGATOR
4-26-10

NO.	REVISION	BY	DATE

Addison TOWN OF ADDISON
DALLAS COUNTY, TEXAS

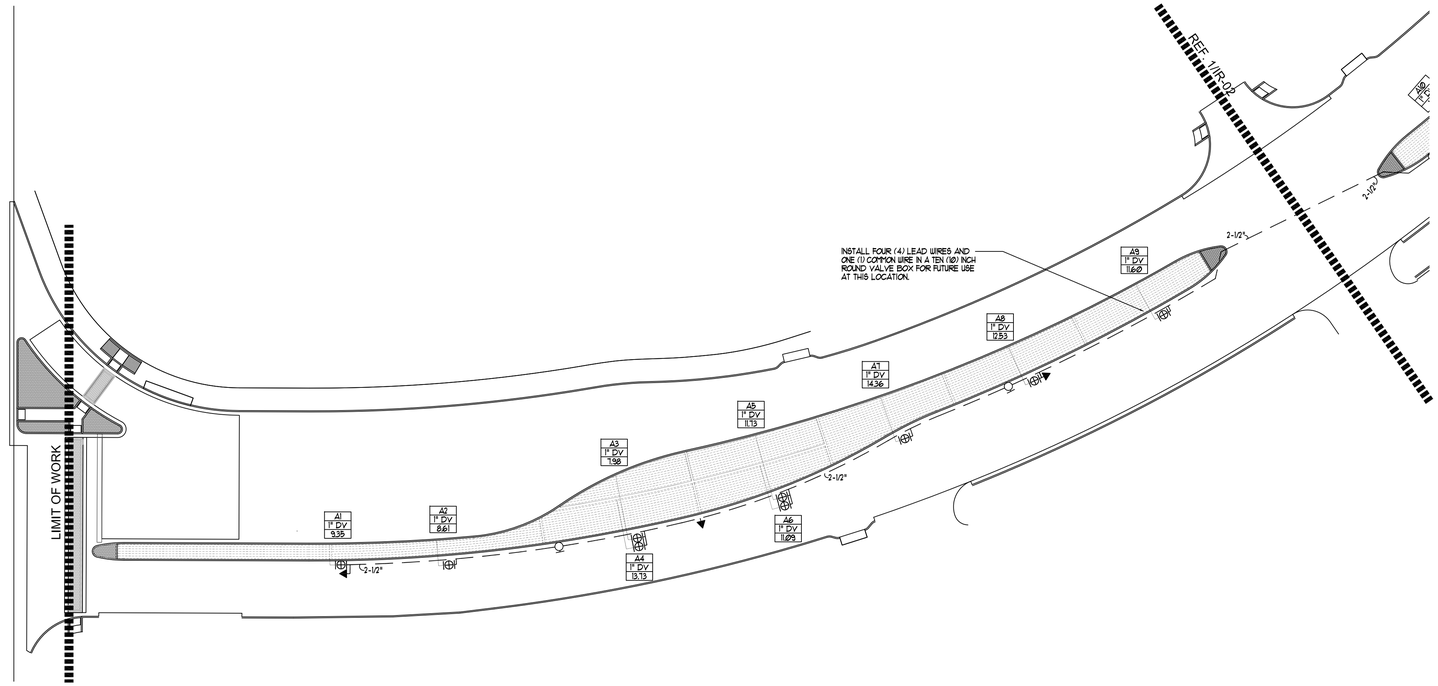
PARK IMPROVEMENTS
VITRUVIAN PARK

STREETSCAPE & INFRASTRUCTURE IRRIGATION PLAN COVER SHEET

IRRI*TECH LLC.
Irrigation Technology
12650 Schroeder Rd.
Dallas, Texas 75243
Phone (972) 231-5151
Fax (972) 231-5172

PROJECT	DESIGN	DRAWN	DATE	FILE	SHEET
5029-01	SAH	ASH	APR 26, 2010	PW # 2009-04	IR-00

PARK AND STREETSCAPE IMPROVEMENTS - VITRUVIAN PARK



SHEET NOTES:
1. REFERENCE IR-06 FOR TREE IRRIGATION.
2. MAINLINE , LATERAL LINES, AND VALVES ARE SHOWN IN STREET FOR CLARITY.
3. REFERENCE IR-24 AND IR-25 FOR IRRIGATION DETAILS.
4. REFERENCE CIVIL PLANS FOR SLEEVE LOCATIONS.

N

0' 15' 30' 60'

1
IR-01
Vitruvian Way, Irrigation Plan

IRRIGATION LEGEND:

SYMBOL	DESCRIPTION
●	LAWN SPRAY HEAD
⊘	HIGH-POP SPRAY HEAD
⊕	TREE BUBBLER HEAD
◔	TREE BUBBLER HEAD
■	LAWN CENTER STRIP HEAD
□	LAWN END STRIP HEAD
◪	HIGH-POP CENTER STRIP HEAD
◧	HIGH-POP END STRIP HEAD
⊕	SMALL ROTARY
◑	SMALL ROTARY PART-CIRCLE
⊕	SMALL ROTARY PART-CIRCLE
◐	ROTARY PART-CIRCLE
⊙	ROTARY FULL-CIRCLE
⊘	ROTARY PART-CIRCLE
◉	ROTARY FULL-CIRCLE
▲	QUICK COUPLING VALVE
⧈	REMOTE CONTROL VALVE
Ø	BALL VALVE
●	GATE VALVE
▬	CONTROLLER
— —	MAINLINE PIPING
———	LATERAL PIPING
———	DISTRIBUTION TUBING
⧈	REMOTE CONTROL DRIP VALVE
⋮⋮⋮	PLANTING BED TECHLINE TUBING
NN	BACKFLOW PREVENTER
(W)	WATER METER
(I)	ISOLATION VALVE
(Y)	WYE STRAINER
(F)	FLOW METER
(M)	MASTER VALVE
▭	STATION NUMBER VALVE SIZE GPM (APPROX.)

STATE OF TEXAS
SETH A. HEIDMAN
5881
LICENSED IRRIGATOR
4-26-10

NO.	REVISION	BY	DATE

Addison

TOWN OF ADDISON
DALLAS COUNTY, TEXAS

PARK IMPROVEMENTS
VITRUVIAN PARK

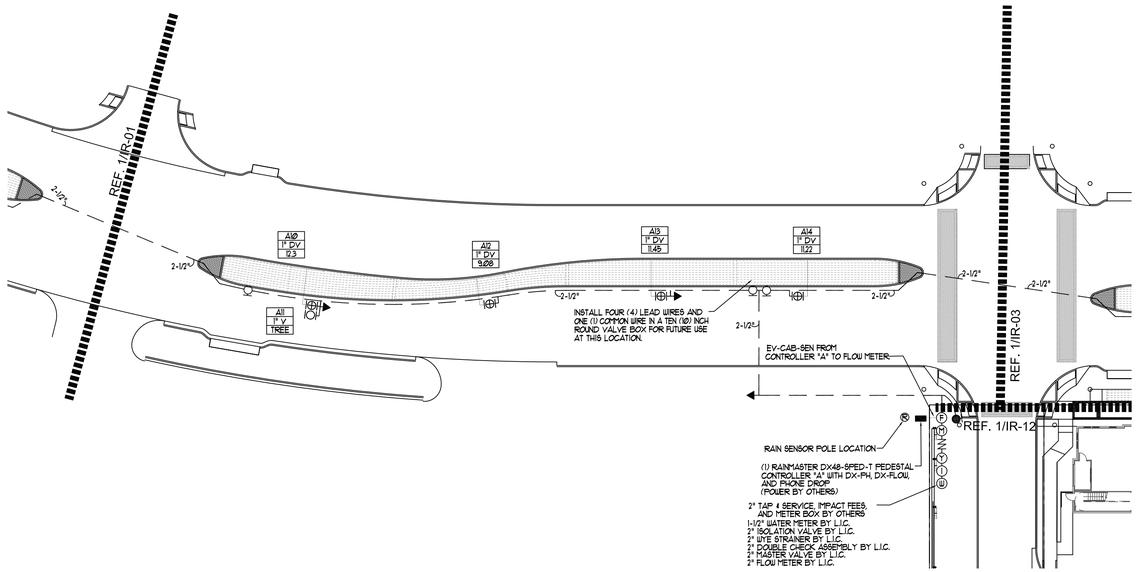
VITRUVIAN WAY, IRRIGATION PLAN

IRRI*TECH LLC.
Irrigation Technology
12650 Schroeder Rd.
Dallas, Texas 75243
Phone (972) 231-5151
Fax (972) 231-5172

PROJECT	DESIGN	DRAWN	DATE	FILE	SHEET
5029-01	SAH	ASH	APR 26, 2010	PW # 2009-04	IR-01

PARK AND STREETSCAPE IMPROVEMENTS - VITRUVIAN PARK

Irrigation in Texas is regulated by the Texas Commission of Environmental Quality (TCEQ), MC-178, P.O. Box 13087, Austin, Texas, 78711-3087. TCEQ website is: www.tceq.state.tx.us



SHEET NOTES:
1. REFERENCE IR-07 FOR TREE IRRIGATION.
2. MAINLINE , LATERAL LINES, AND VALVES ARE SHOWN IN STREET FOR CLARITY.
3. REFERENCE IR-24 AND IR-25 FOR IRRIGATION DETAILS.
4. REFERENCE CIVIL PLANS FOR SLEEVE LOCATIONS.

N

0' 15' 30' 60'

Irrigation in Texas is regulated by the Texas Commission of Environmental Quality (TCEQ), MC-178, P.O. Box 13087, Austin, Texas, 78711-3087. TCEQ website is: www.tceq.state.tx.us

1
IR-02
Vitruvian Way, Irrigation Plan

IRRIGATION LEGEND:

SYMBOL	DESCRIPTION
●	LAWN SPRAY HEAD
⊘	HIGH-POP SPRAY HEAD
⊕	TREE BUBBLER HEAD
◔	TREE BUBBLER HEAD
■	LAWN CENTER STRIP HEAD
□	LAWN END STRIP HEAD
◪	HIGH-POP CENTER STRIP HEAD
◧	HIGH-POP END STRIP HEAD
⊕	SMALL ROTARY
◑	SMALL ROTARY PART-CIRCLE
⊕	SMALL ROTARY PART-CIRCLE
◐	ROTARY PART-CIRCLE
⊙	ROTARY FULL-CIRCLE
⊘	ROTARY PART-CIRCLE
◉	ROTARY FULL-CIRCLE
▲	QUICK COUPLING VALVE
|◯|	REMOTE CONTROL VALVE
◯	BALL VALVE
●	GATE VALVE
▬	CONTROLLER
— —	MAINLINE PIPING
———	LATERAL PIPING
———	DISTRIBUTION TUBING
|◯|	REMOTE CONTROL DRIP VALVE
⋿⋿⋿⋿⋿⋿⋿	PLANTING BED TECHLINE TUBING
NN	BACKFLOW PREVENTER
Ⓦ	WATER METER
Ⓘ	ISOLATION VALVE
Ⓨ	WYE STRAINER
Ⓟ	FLOW METER
Ⓜ	MASTER VALVE
▭	STATION NUMBER VALVE SIZE GPM (APPROX.)

STATE OF TEXAS
SETH A. HEIDMAN
5881
LICENSED IRRIGATOR
4-26-10

NO.	REVISION	BY	DATE

Addison. TOWN OF ADDISON
DALLAS COUNTY, TEXAS

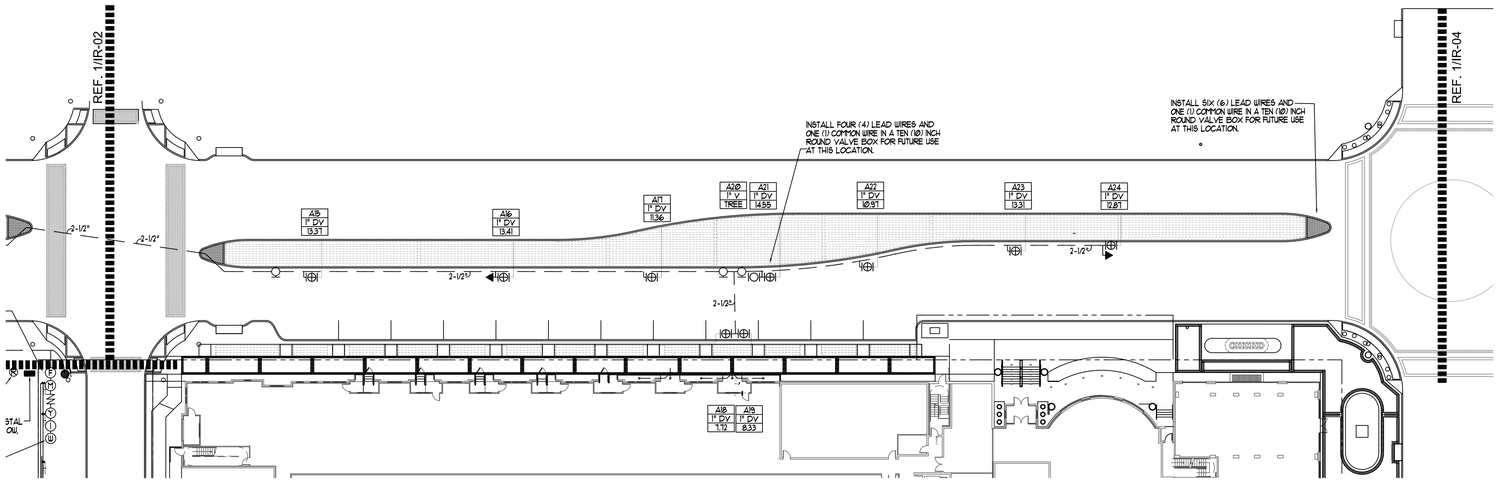
PARK IMPROVEMENTS
VITRUVIAN PARK

VITRUVIAN WAY, IRRIGATION PLAN

IRRI*TECH LLC.
Irrigation Technology
12650 Schroeder Rd.
Dallas, Texas 75243
Phone (972) 231-5151
Fax (972) 231-5172

PROJECT	DESIGN	DRAWN	DATE	FILE	SHEET
5029-01	SAH	ASH	APR 26, 2010	PW # 2009-04	IR-02

PARK AND STREETSCAPE IMPROVEMENTS - VITRUVIAN PARK



SHEET NOTES:
1. REFERENCE IR-08 FOR TREE IRRIGATION.
2. MAINLINE , LATERAL LINES, AND VALVES ARE SHOWN IN STREET FOR CLARITY.
3. REFERENCE IR-24 AND IR-25 FOR IRRIGATION DETAILS.
4. REFERENCE CIVIL PLANS FOR SLEEVE LOCATIONS.

0' 15' 30' 60'

1
IR-03
Vitruvian Way, Irrigation Plan

Irrigation in Texas is regulated by the Texas Commission of Environmental Quality (TCEQ), MC-178, P.O. Box 13087, Austin, Texas, 78711-3087. TCEQ website is: www.tceq.state.tx.us

IRRIGATION LEGEND:

SYMBOL	DESCRIPTION
●	LAWN SPRAY HEAD
⊘	HIGH-POP SPRAY HEAD
⊕	TREE BUBBLER HEAD
◔	TREE BUBBLER HEAD
■	LAWN CENTER STRIP HEAD
□	LAWN END STRIP HEAD
⬔	HIGH-POP CENTER STRIP HEAD
⬕	HIGH-POP END STRIP HEAD
⊕	SMALL ROTARY
◑	SMALL ROTARY PART-CIRCLE
⊕	SMALL ROTARY PART-CIRCLE
◐	ROTARY PART-CIRCLE
⊙	ROTARY FULL-CIRCLE
⊘	ROTARY PART-CIRCLE
◉	ROTARY FULL-CIRCLE
▲	QUICK COUPLING VALVE
⧆	REMOTE CONTROL VALVE
○	BALL VALVE
●	GATE VALVE
▬	CONTROLLER
— —	MAINLINE PIPING
———	LATERAL PIPING
———	DISTRIBUTION TUBING
KDI	REMOTE CONTROL DRIP VALVE
	PLANTING BED TECHLINE TUBING
NN	BACKFLOW PREVENTER
Ⓦ	WATER METER
Ⓘ	ISOLATION VALVE
Ⓨ	WYE STRAINER
Ⓕ	FLOW METER
Ⓜ	MASTER VALVE
	STATION NUMBER VALVE SIZE GPM (APPROX.)

STATE OF TEXAS
SETH A. HEIDMAN
5881
LICENSED IRRIGATOR

4-26-10

NO.	REVISION	BY	DATE

Addison

TOWN OF ADDISON
DALLAS COUNTY, TEXAS

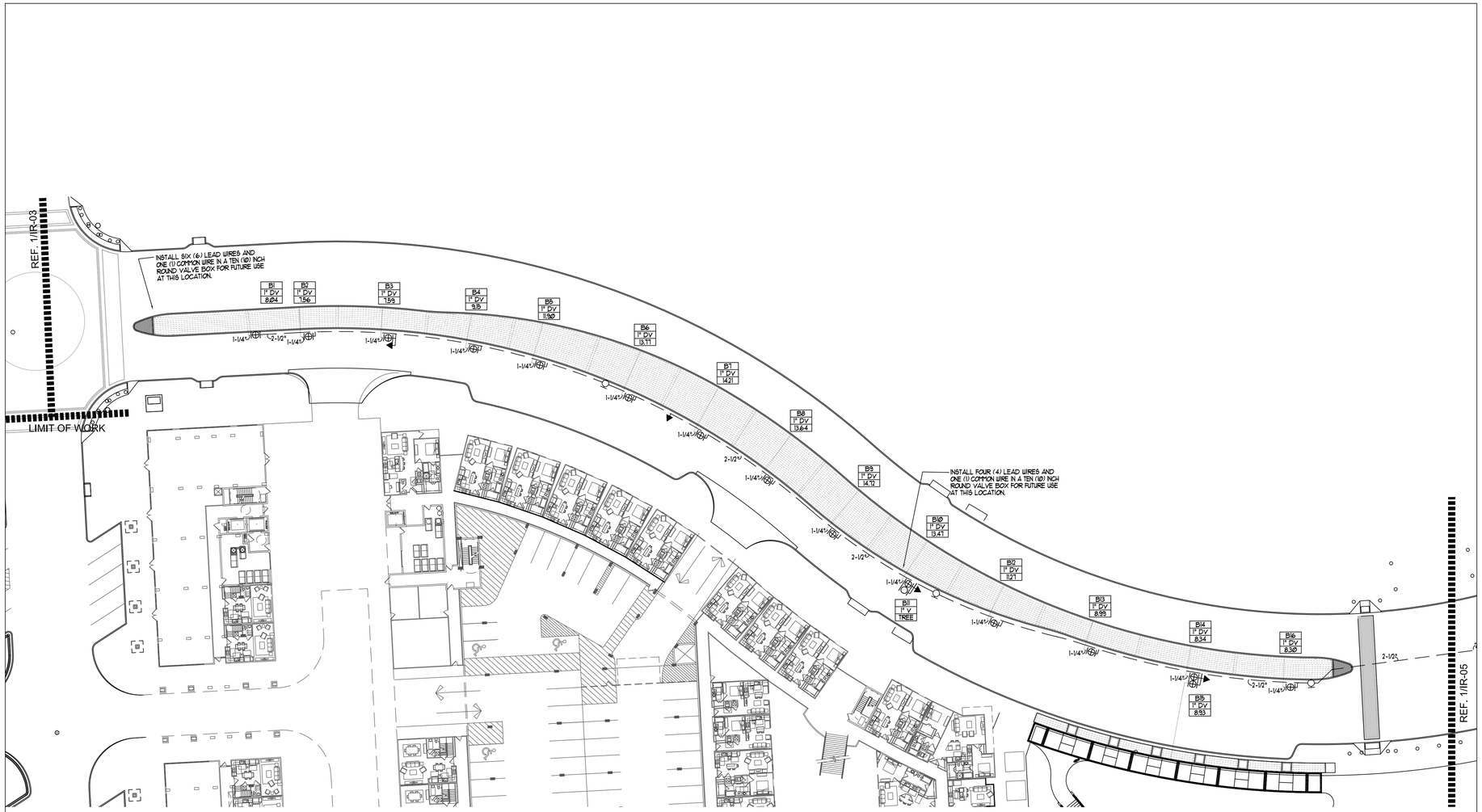
PARK IMPROVEMENTS
VITRUVIAN PARK

VITRUVIAN WAY, IRRIGATION PLAN

IRRI*TECH LLC.
Irrigation Technology
12650 Schroeder Rd.
Dallas, Texas 75243
Phone (972) 231-5151
Fax (972) 231-5172

PROJECT	DESIGN	DRAWN	DATE	FILE	SHEET
5029-01	SAH	ASH	APR 26, 2010	PW # 2009-04	IR-03

PARK AND STREETSCAPE IMPROVEMENTS - VITRUVIAN PARK



SHEET NOTES:
1. REFERENCE IR-09 FOR TREE IRRIGATION.
2. MAINLINE , LATERAL LINES, AND VALVES ARE SHOWN IN STREET FOR CLARITY.
3. REFERENCE IR-24 AND IR-25 FOR IRRIGATION DETAILS.
4. REFERENCE CIVIL PLANS FOR SLEEVE LOCATIONS.

0' 15' 30' 60'

1
IR-04
Vitruvian Way, Irrigation Plan

Irrigation in Texas is regulated by the Texas Commission of Environmental Quality (TCEQ), MC-178, P.O. Box 13087, Austin, Texas, 78711-3087. TCEQ website is: www.tceq.state.tx.us

IRRIGATION LEGEND:

SYMBOL	DESCRIPTION
●	LAWN SPRAY HEAD
⊘	HIGH-POP SPRAY HEAD
⊕	TREE BUBBLER HEAD
◔	TREE BUBBLER HEAD
■	LAWN CENTER STRIP HEAD
□	LAWN END STRIP HEAD
◪	HIGH-POP CENTER STRIP HEAD
◧	HIGH-POP END STRIP HEAD
⊕	SMALL ROTARY
◑	SMALL ROTARY PART-CIRCLE
⊕	SMALL ROTARY PART-CIRCLE
◐	ROTARY PART-CIRCLE
⊙	ROTARY FULL-CIRCLE
⊘	ROTARY PART-CIRCLE
◉	ROTARY FULL-CIRCLE
▲	QUICK COUPLING VALVE
|O|	REMOTE CONTROL VALVE
Ø	BALL VALVE
●	GATE VALVE
▬	CONTROLLER
— —	MAINLINE PIPING
———	LATERAL PIPING
———	DISTRIBUTION TUBING
RDV	REMOTE CONTROL DRIP VALVE
	PLANTING BED TECHLINE TUBING
NN	BACKFLOW PREVENTER
W	WATER METER
I	ISOLATION VALVE
Y	WYE STRAINER
F	FLOW METER
M	MASTER VALVE
	STATION NUMBER VALVE SIZE GPM (APPROX.)

STATE OF TEXAS
SETH A. HEIDMAN
5881
LICENSED IRRIGATOR
4-26-10

NO.	REVISION	BY	DATE

Addison. TOWN OF ADDISON
DALLAS COUNTY, TEXAS

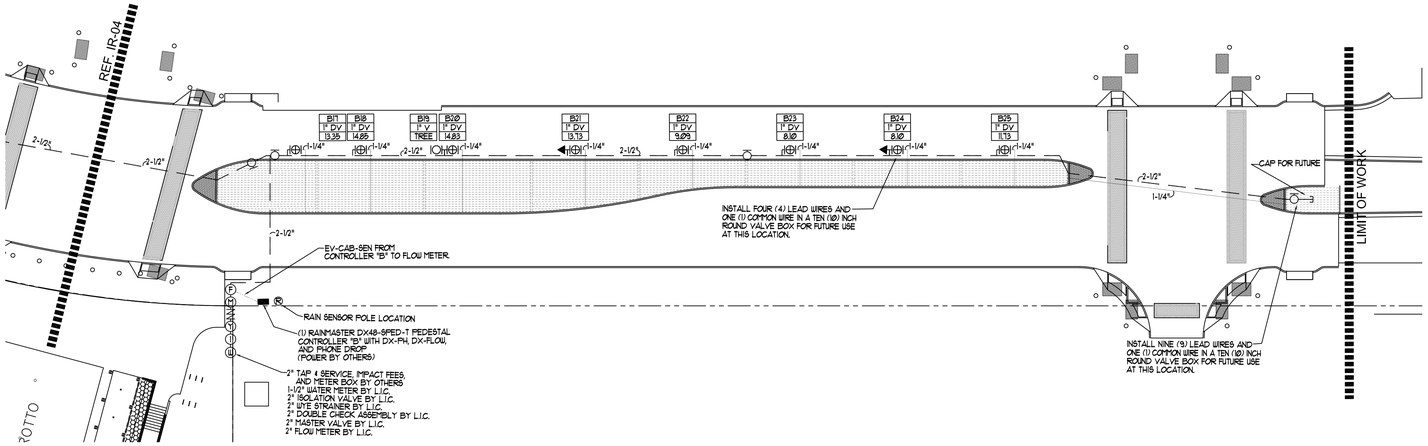
PARK IMPROVEMENTS
VITRUVIAN PARK

VITRUVIAN WAY, IRRIGATION PLAN

IRRI*TECH LLC.
Irrigation Technology
12650 Schroeder Rd.
Dallas, Texas 75243
Phone (972) 231-5151
Fax (972) 231-5172

PROJECT	DESIGN	DRAWN	DATE	FILE	SHEET
5029-01	SAH	ASH	APR 26, 2010	PW # 2009-04	IR-04

PARK AND STREETSCAPE IMPROVEMENTS - VITRUVIAN PARK



SHEET NOTES:
1. REFERENCE IR-10 FOR TREE IRRIGATION.
2. MAINLINE , LATERAL LINES, AND VALVES ARE SHOWN IN STREET FOR CLARITY.
3. REFERENCE IR-24 AND IR-25 FOR IRRIGATION DETAILS.
4. REFERENCE CIVIL PLANS FOR SLEEVE LOCATIONS.

N

0' 15' 30' 60'

1
IR-05
Vitruvian Way, Irrigation Plan

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IRRIGATION LEGEND:

SYMBOL	DESCRIPTION
●	LAWN SPRAY HEAD
⊘	HIGH-POP SPRAY HEAD
⊕	TREE BUBBLER HEAD
◔	TREE BUBBLER HEAD
■	LAWN CENTER STRIP HEAD
□	LAWN END STRIP HEAD
◪	HIGH-POP CENTER STRIP HEAD
◧	HIGH-POP END STRIP HEAD
⊕	SMALL ROTARY
◑	SMALL ROTARY PART-CIRCLE
⊕	SMALL ROTARY PART-CIRCLE
◐	ROTARY PART-CIRCLE
⊙	ROTARY FULL-CIRCLE
⊘	ROTARY PART-CIRCLE
◉	ROTARY FULL-CIRCLE
▲	QUICK COUPLING VALVE
|◯|	REMOTE CONTROL VALVE
○	BALL VALVE
●	GATE VALVE
▬	CONTROLLER
— —	MAINLINE PIPING
———	LATERAL PIPING
———	DISTRIBUTION TUBING
|◯|	REMOTE CONTROL DRIP VALVE
⋿⋿⋿⋿⋿⋿⋿	PLANTING BED TECHLINE TUBING
NN	BACKFLOW PREVENTER
Ⓦ	WATER METER
Ⓘ	ISOLATION VALVE
Ⓨ	WYE STRAINER
Ⓕ	FLOW METER
Ⓜ	MASTER VALVE
▭	STATION NUMBER VALVE SIZE GPM (APPROX.)

STATE OF TEXAS
SETH A. HEIDMAN
5881
LICENSED IRRIGATOR
4-26-10

NO.	REVISION	BY	DATE

Addison. TOWN OF ADDISON
DALLAS COUNTY, TEXAS

PARK IMPROVEMENTS
VITRUVIAN PARK

VITRUVIAN WAY, IRRIGATION PLAN

IRRI*TECH LLC.
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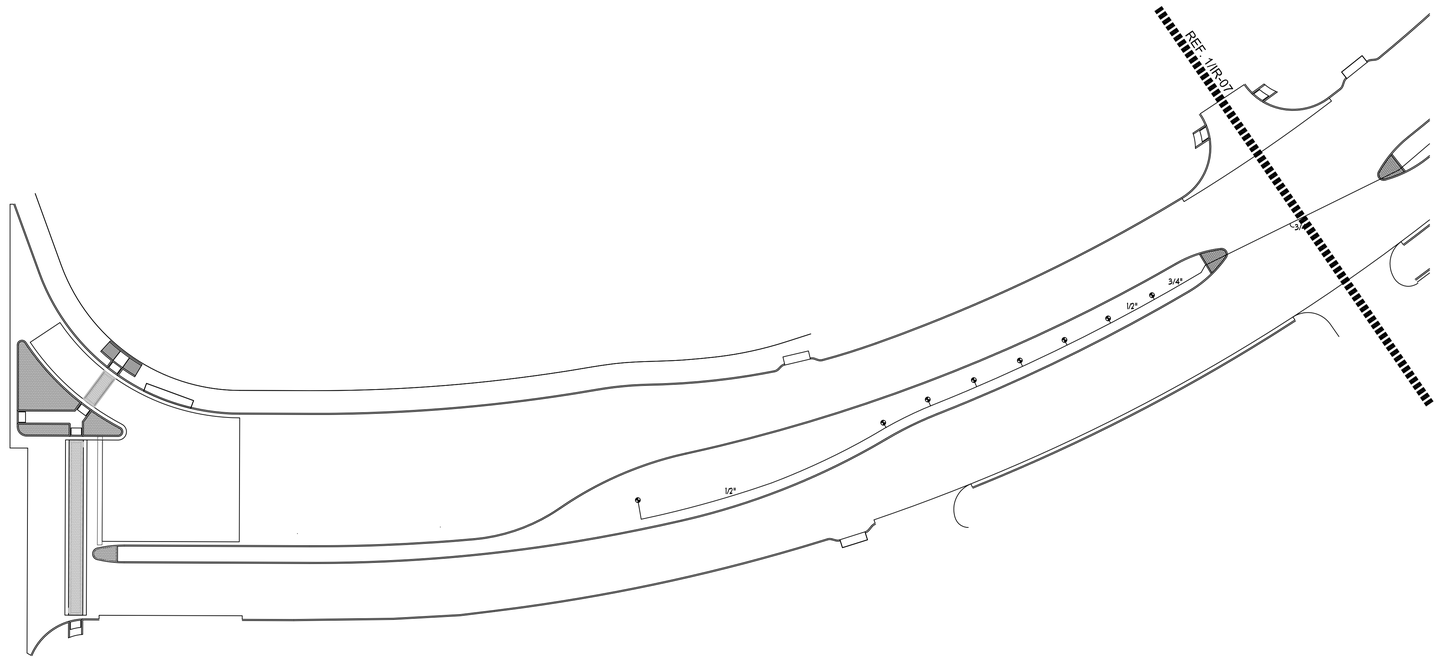
PROJECT	DESIGN	DRAWN	DATE	FILE	SHEET
5029-01	SAH	ASH	APR 26, 2010	PW # 2009-04	IR-05

PARK AND STREETSCAPE IMPROVEMENTS - VITRUVIAN PARK



SHEET NOTES:
1. MAINLINE , LATERAL LINES, AND VALVES ARE SHOWN IN STREET FOR CLARITY.
2. REFERENCE IR-24 AND IR-25 FOR IRRIGATION DETAILS.
3. REFERENCE CIVIL PLANS FOR SLEEVE LOCATIONS.

N

0' 15' 30' 60'

1
IR-06
Vitruvian Way, Irrigation Plan - Trees

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IRRIGATION LEGEND:

SYMBOL	DESCRIPTION
●	LAWN SPRAY HEAD
⊘	HIGH-POP SPRAY HEAD
⊕	TREE BUBBLER HEAD
◔	TREE BUBBLER HEAD
■	LAWN CENTER STRIP HEAD
□	LAWN END STRIP HEAD
◪	HIGH-POP CENTER STRIP HEAD
◧	HIGH-POP END STRIP HEAD
⊕	SMALL ROTARY
◑	SMALL ROTARY PART-CIRCLE
⊛	SMALL ROTARY PART-CIRCLE
◐	ROTARY PART-CIRCLE
⊙	ROTARY FULL-CIRCLE
⊘	ROTARY PART-CIRCLE
◉	ROTARY FULL-CIRCLE
▲	QUICK COUPLING VALVE
|O|	REMOTE CONTROL VALVE
Ō	BALL VALVE
●	GATE VALVE
▬	CONTROLLER
—— ——	MAINLINE PIPING
———	LATERAL PIPING
———	DISTRIBUTION TUBING
|RDI|	REMOTE CONTROL DRIP VALVE
⋮⋮⋮	PLANTING BED TECHLINE TUBING
NN	BACKFLOW PREVENTER
Ⓦ	WATER METER
Ⓘ	ISOLATION VALVE
Ⓨ	WYE STRAINER
Ⓕ	FLOW METER
Ⓜ	MASTER VALVE
▭	STATION NUMBER VALVE SIZE GPM (APPROX.)

STATE OF TEXAS
SETH A. HEIDMAN
5881
LICENSED IRRIGATOR

4-26-10

NO.	REVISION	BY	DATE

Addison

TOWN OF ADDISON
DALLAS COUNTY, TEXAS

PARK IMPROVEMENTS
VITRUVIAN PARK

VITRUVIAN WAY, IRRIGATION PLAN-TREES

IRRI*TECH LLC.
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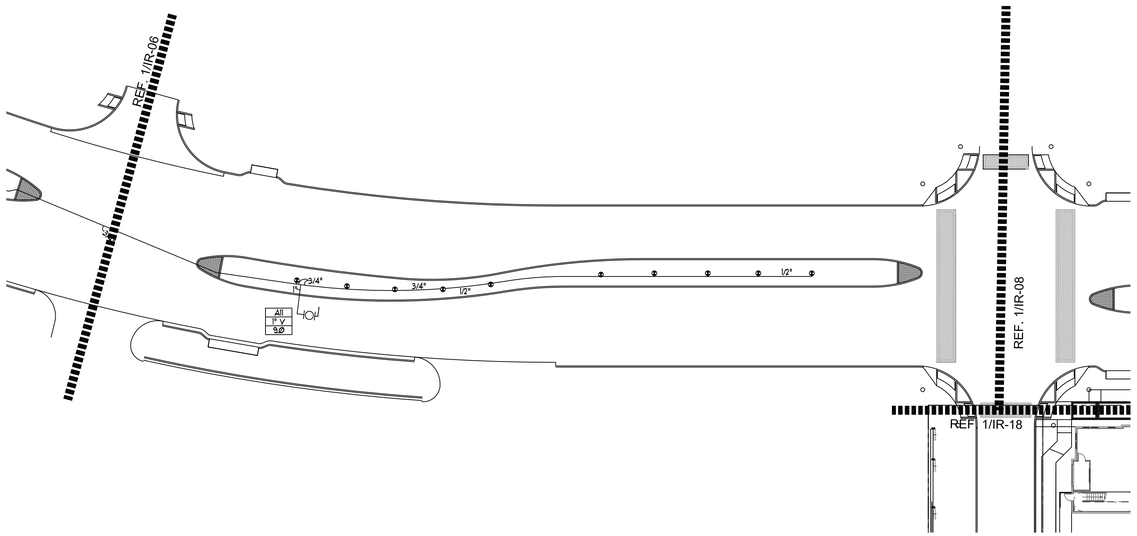
Fax (972) 231-5172

PROJECT	DESIGN	DRAWN	DATE	FILE	SHEET
5029-01	SAH	ASH	APR 26, 2010	PW # 2009-04	IR-06

PARK AND STREETSCAPE IMPROVEMENTS - VITRUVIAN PARK



SHEET NOTES:
1. MAINLINE , LATERAL LINES, AND VALVES ARE SHOWN IN STREET FOR CLARITY.
2. REFERENCE IR-24 AND IR-25 FOR IRRIGATION DETAILS.
3. REFERENCE CIVIL PLANS FOR SLEEVE LOCATIONS.

0' 15' 30' 60'

1
IR-07
Vitruvian Way, Irrigation Plan - Trees

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IRRIGATION LEGEND:

SYMBOL	DESCRIPTION
●	LAWN SPRAY HEAD
⊘	HIGH-POP SPRAY HEAD
⊕	TREE BUBBLER HEAD
◔	TREE BUBBLER HEAD
■	LAWN CENTER STRIP HEAD
□	LAWN END STRIP HEAD
◪	HIGH-POP CENTER STRIP HEAD
◧	HIGH-POP END STRIP HEAD
⊕	SMALL ROTARY
◑	SMALL ROTARY PART-CIRCLE
⊛	SMALL ROTARY PART-CIRCLE
◐	ROTARY PART-CIRCLE
⊙	ROTARY FULL-CIRCLE
⊘	ROTARY PART-CIRCLE
◉	ROTARY FULL-CIRCLE
▲	QUICK COUPLING VALVE
⧆	REMOTE CONTROL VALVE
○	BALL VALVE
●	GATE VALVE
▬	CONTROLLER
— —	MAINLINE PIPING
———	LATERAL PIPING
———	DISTRIBUTION TUBING
⧆	REMOTE CONTROL DRIP VALVE
⊟	PLANTING BED TECHLINE TUBING
NN	BACKFLOW PREVENTER
Ⓦ	WATER METER
Ⓘ	ISOLATION VALVE
Ⓨ	WYE STRAINER
Ⓕ	FLOW METER
Ⓜ	MASTER VALVE
☰	STATION NUMBER VALVE SIZE GPM (APPROX.)

STATE OF TEXAS
SETH A. HEIDMAN
5881
LICENSED IRRIGATOR
4-26-10

NO.	REVISION	BY	DATE

Addison TOWN OF ADDISON
DALLAS COUNTY, TEXAS

PARK IMPROVEMENTS
VITRUVIAN PARK

VITRUVIAN WAY, IRRIGATION PLAN-TREES

IRRI*TECH LLC.
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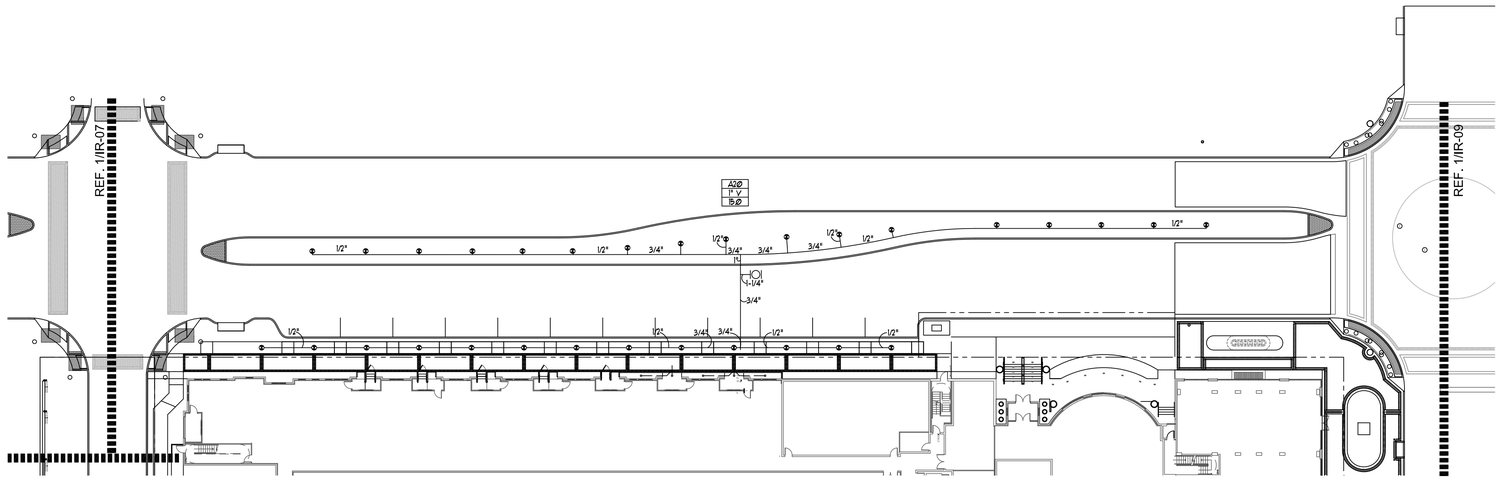
Fax (972) 231-5172

PROJECT	DESIGN	DRAWN	DATE	FILE	SHEET
5029-01	SAH	ASH	APR 26, 2010	PW # 2009-04	IR-07

PARK AND STREETSCAPE IMPROVEMENTS - VITRUVIAN PARK



SHEET NOTES:

1. MAINLINE , LATERAL LINES, AND VALVES ARE SHOWN IN STREET FOR CLARITY.
2. REFERENCE IR-24 AND IR-25 FOR IRRIGATION DETAILS.
3. REFERENCE CIVIL PLANS FOR SLEEVE LOCATIONS.

0' 15' 30' 60'

1
IR-08
Vitruvian Way, Irrigation Plan - Trees

IRRIGATION LEGEND:

SYMBOL	DESCRIPTION
●	LAWN SPRAY HEAD
⊘	HIGH-POP SPRAY HEAD
⊕	TREE BUBBLER HEAD
◔	TREE BUBBLER HEAD
■	LAWN CENTER STRIP HEAD
□	LAWN END STRIP HEAD
◪	HIGH-POP CENTER STRIP HEAD
◧	HIGH-POP END STRIP HEAD
⊕	SMALL ROTARY
◑	SMALL ROTARY PART-CIRCLE
⊕	SMALL ROTARY PART-CIRCLE
◐	ROTARY PART-CIRCLE
⊙	ROTARY FULL-CIRCLE
⊘	ROTARY PART-CIRCLE
◉	ROTARY FULL-CIRCLE
▲	QUICK COUPLING VALVE
|◯|	REMOTE CONTROL VALVE
◯	BALL VALVE
●	GATE VALVE
▬	CONTROLLER
— —	MAINLINE PIPING
———	LATERAL PIPING
———	DISTRIBUTION TUBING
|◍|	REMOTE CONTROL DRIP VALVE
⋮⋮⋮	PLANTING BED TECHLINE TUBING
NN	BACKFLOW PREVENTER
Ⓦ	WATER METER
Ⓘ	ISOLATION VALVE
Ⓨ	WYE STRAINER
Ⓕ	FLOW METER
Ⓜ	MASTER VALVE
▭	STATION NUMBER VALVE SIZE GPM (APPROX.)

STATE OF TEXAS
SETH A. HEIDMAN
5881
LICENSED IRRIGATOR
4-26-10

NO.	REVISION	BY	DATE

Addison TOWN OF ADDISON
DALLAS COUNTY, TEXAS

PARK IMPROVEMENTS
VITRUVIAN PARK

VITRUVIAN WAY, IRRIGATION PLAN-TREES

IRRI*TECH LLC.
Irrigation Technology
12650 Schroeder Rd.
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Phone (972) 231-5151
Fax (972) 231-5172

PROJECT	DESIGN	DRAWN	DATE	FILE	SHEET
5029-01	SAH	ASH	APR 26, 2010	PW # 2009-04	IR-08

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PARK AND STREETSCAPE IMPROVEMENTS - VITRUVIAN PARK

SHEET NOTES:
1. MAINLINE , LATERAL LINES, AND VALVES ARE SHOWN IN STREET FOR CLARITY.
2. REFERENCE IR-24 AND IR-25 FOR IRRIGATION DETAILS
3. REFERENCE CIVIL PLANS FOR SLEEVE LOCATIONS.

N

0' 15' 30' 60'

1
IR-09
Vitruvian Way, Irrigation Plan - Trees

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IRRIGATION LEGEND:

SYMBOL	DESCRIPTION
●	LAWN SPRAY HEAD
⊘	HIGH-POP SPRAY HEAD
⊕	TREE BUBBLER HEAD
◔	TREE BUBBLER HEAD
■	LAWN CENTER STRIP HEAD
□	LAWN END STRIP HEAD
◪	HIGH-POP CENTER STRIP HEAD
◧	HIGH-POP END STRIP HEAD
⊕	SMALL ROTARY
◑	SMALL ROTARY PART-CIRCLE
⊛	SMALL ROTARY PART-CIRCLE
◐	ROTARY PART-CIRCLE
⊙	ROTARY FULL-CIRCLE
⊘	ROTARY PART-CIRCLE
◉	ROTARY FULL-CIRCLE
▲	QUICK COUPLING VALVE
|◯|	REMOTE CONTROL VALVE
◯	BALL VALVE
●	GATE VALVE
▬	CONTROLLER
— —	MAINLINE PIPING
———	LATERAL PIPING
———	DISTRIBUTION TUBING
(RD)	REMOTE CONTROL DRIP VALVE
	PLANTING BED TECHLINE TUBING
NN	BACKFLOW PREVENTER
(W)	WATER METER
(I)	ISOLATION VALVE
(Y)	WYE STRAINER
(F)	FLOW METER
(M)	MASTER VALVE
	STATION NUMBER VALVE SIZE GPM (APPROX.)

STATE OF TEXAS
SETH A. HEIDMAN
5881
LICENSED IRRIGATOR
4-26-10

NO.	REVISION	BY	DATE

Addison
TOWN OF ADDISON
DALLAS COUNTY, TEXAS

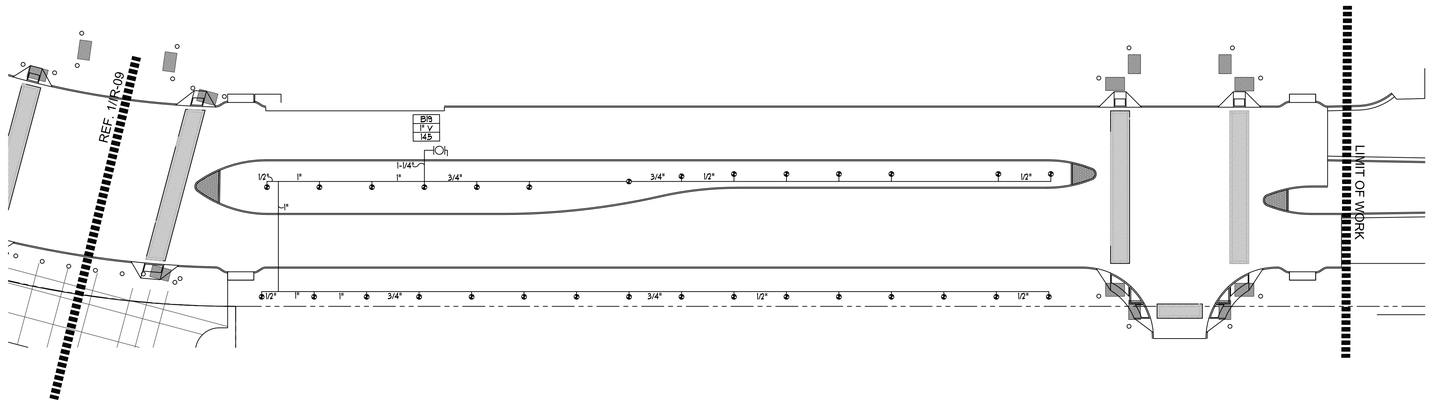
PARK IMPROVEMENTS
VITRUVIAN PARK

VITRUVIAN WAY, IRRIGATION PLAN-TREES

IRRI*TECH LLC.
Irrigation Technology
12650 Schroeder Rd.
Dallas, Texas 75243
Phone (972) 231-5151
Fax (972) 231-5172

PROJECT	DESIGN	DRAWN	DATE	FILE	SHEET
5029-01	SAH	ASH	APR 26, 2010	PW # 2009-04	IR-09

PARK AND STREETSCAPE IMPROVEMENTS - VITRUVIAN PARK



SHEET NOTES:
1. MAINLINE , LATERAL LINES, AND VALVES ARE SHOWN IN STREET FOR CLARITY.
2. REFERENCE IR-24 AND IR-25 FOR IRRIGATION DETAILS
3. REFERENCE CIVIL PLANS FOR SLEEVE LOCATIONS.

N

0' 15' 30' 60'

1
IR-10 Vitruvian Way, Irrigation Plan - Trees

IRRIGATION LEGEND:

SYMBOL	DESCRIPTION
●	LAWN SPRAY HEAD
⊘	HIGH-POP SPRAY HEAD
⊕	TREE BUBBLER HEAD
◔	TREE BUBBLER HEAD
■	LAWN CENTER STRIP HEAD
□	LAWN END STRIP HEAD
◪	HIGH-POP CENTER STRIP HEAD
◧	HIGH-POP END STRIP HEAD
⊕	SMALL ROTARY
◑	SMALL ROTARY PART-CIRCLE
⊕	SMALL ROTARY PART-CIRCLE
◐	ROTARY PART-CIRCLE
⊙	ROTARY FULL-CIRCLE
⊘	ROTARY PART-CIRCLE
◉	ROTARY FULL-CIRCLE
▲	QUICK COUPLING VALVE
|O|	REMOTE CONTROL VALVE
Ō	BALL VALVE
●	GATE VALVE
▬	CONTROLLER
— —	MAINLINE PIPING
———	LATERAL PIPING
———	DISTRIBUTION TUBING
RDV	REMOTE CONTROL DRIP VALVE
	PLANTING BED TECHLINE TUBING
NN	BACKFLOW PREVENTER
Ⓦ	WATER METER
Ⓘ	ISOLATION VALVE
Ⓨ	WYE STRAINER
Ⓕ	FLOW METER
Ⓜ	MASTER VALVE
	STATION NUMBER VALVE SIZE GPM (APPROX.)

STATE OF TEXAS
SETH A. HEIDMAN
5881
LICENSED IRRIGATOR
4-26-10

NO.	REVISION	BY	DATE

Addison. TOWN OF ADDISON
DALLAS COUNTY, TEXAS

PARK IMPROVEMENTS
VITRUVIAN PARK

VITRUVIAN WAY, IRRIGATION PLAN-TREES

IRRI*TECH LLC.
Irrigation Technology
12650 Schroeder Rd.
Dallas, Texas 75243
Phone (972) 231-5151
Fax (972) 231-5172

PROJECT	DESIGN	DRAWN	DATE	FILE	SHEET
5029-01	SAH	ASH	APR 26, 2010	PW # 2009-04	IR-10

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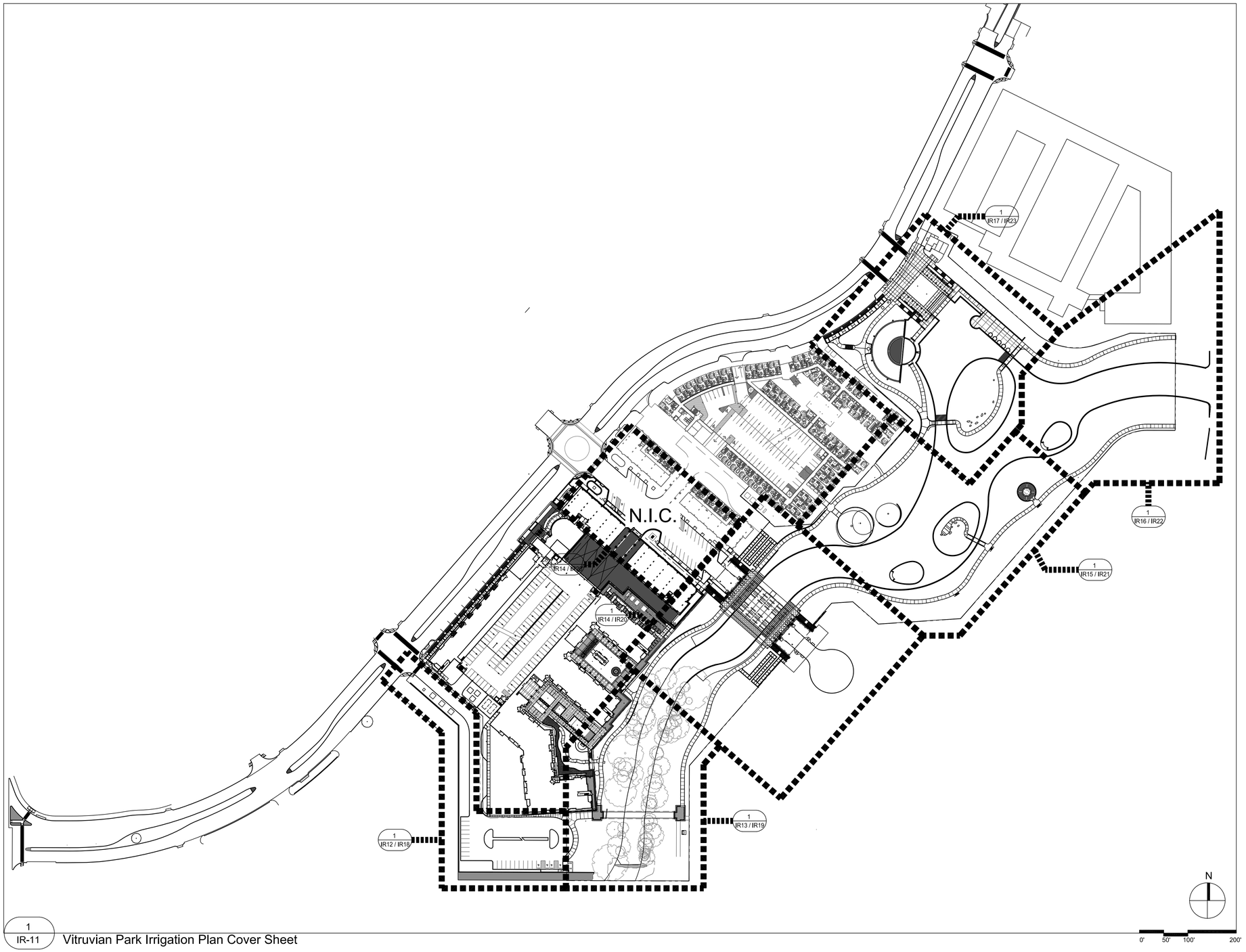
PARK AND STREETSCAPE IMPROVEMENTS - VITRUVIAN PARK



1
IR-11
Vitruvian Park Irrigation Plan Cover Sheet

IRRIGATION LEGEND:

SYMBOL	DESCRIPTION
	LAWN SPRAY HEAD
	HIGH-POP SPRAY HEAD
	TREE BUBBLER HEAD
	TREE BUBBLER HEAD
	LAWN CENTER STRIP HEAD
	LAWN END STRIP HEAD
	HIGH-POP CENTER STRIP HEAD
	HIGH-POP END STRIP HEAD
	SMALL ROTARY
	SMALL ROTARY PART-CIRCLE
	SMALL ROTARY PART-CIRCLE
	ROTARY PART-CIRCLE
	ROTARY FULL-CIRCLE
	ROTARY PART-CIRCLE
	ROTARY FULL-CIRCLE
	QUICK COUPLING VALVE
	REMOTE CONTROL VALVE
	BALL VALVE
	GATE VALVE
	CONTROLLER
	MAINLINE PIPING
	LATERAL PIPING
	DISTRIBUTION TUBING
RCDV	REMOTE CONTROL DRIP VALVE
	PLANTING BED TECHLINE TUBING
NN	BACKFLOW PREVENTER
W	WATER METER
I	ISOLATION VALVE
Y	WYE STRAINER
F	FLOW METER
M	MASTER VALVE
	STATION NUMBER VALVE SIZE GPM (APPROX.)

STATE OF TEXAS
SETH A. HEIDMAN
5881
LICENSED IRRIGATOR
4-26-10

NO.	REVISION	BY	DATE

Addison
TOWN OF ADDISON
DALLAS COUNTY, TEXAS

PARK IMPROVEMENTS
VITRUVIAN PARK

VITRUVIAN PARK
IRRIGATION PLAN COVER SHEET

IRRI*TECH LLC.
Irrigation Technology
12650 Schroeder Rd.
Dallas, Texas 75243
Phone (972) 231-5151
Fax (972) 231-5172

PROJECT	DESIGN	DRAWN	DATE	FILE	SHEET
5029-01	SAH	ASH	APR 26 2010	PW # 2009-04	IR-11

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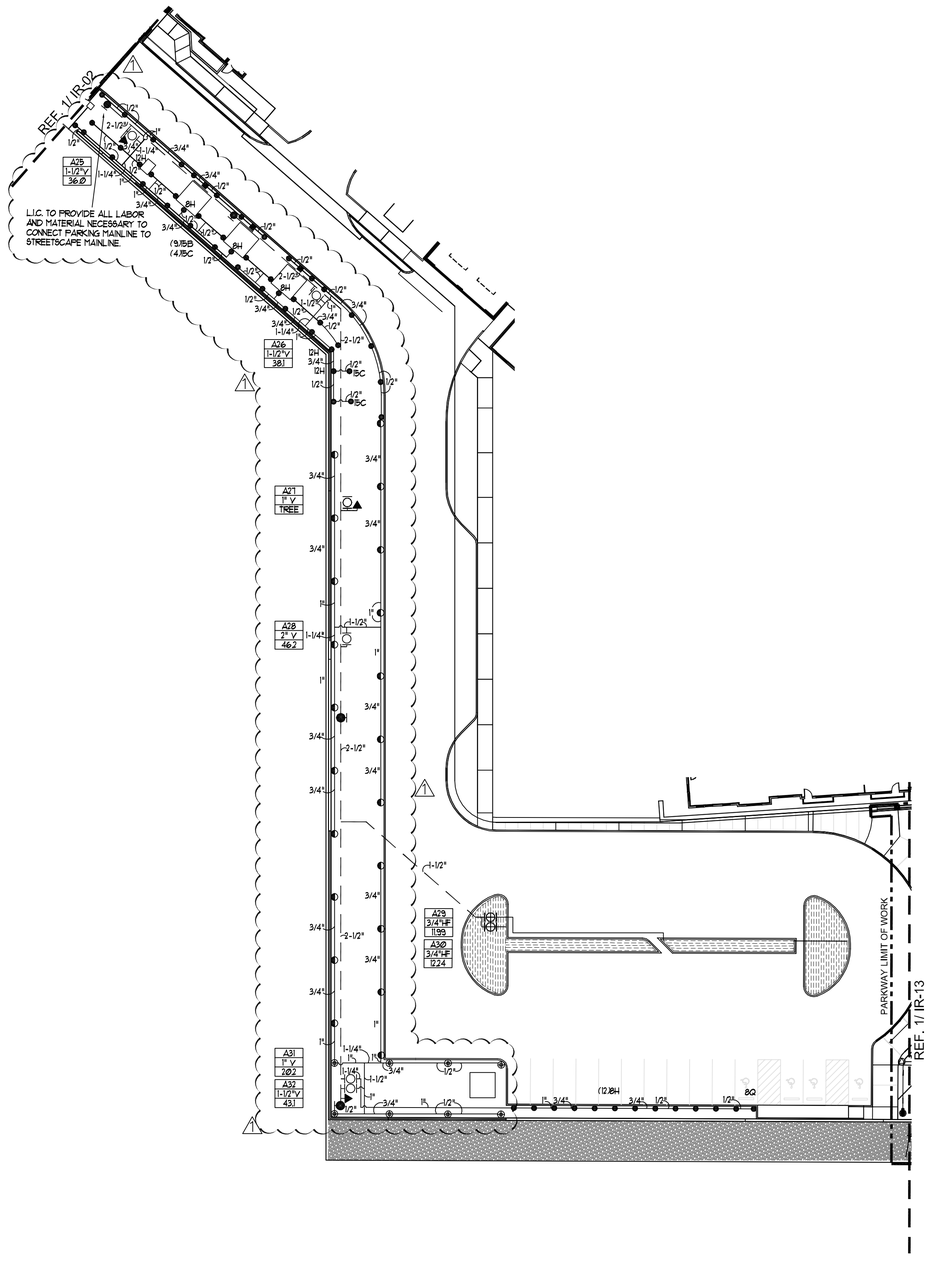
PARK AND STREETSCAPE IMPROVEMENTS - VITRUVIAN PARK



SHEET NOTES:

1. REFERENCE IR-18 FOR TREE IRRIGATION.
2. REFERENCE IR-24 AND IR-25 FOR IRRIGATION DETAILS
3. REFERENCE CIVIL PLANS FOR SLEEVE LOCATIONS.

N

0' 15' 30' 60'

1
IR-12
Southern Parking Area and Drive, Irrigation Plan

IRRIGATION LEGEND:

SYMBOL	DESCRIPTION
●	LAWN SPRAY HEAD
⊘	HIGH-POP SPRAY HEAD
⊕	TREE BUBBLER HEAD
◍	TREE BUBBLER HEAD
■	LAWN CENTER STRIP HEAD
□	LAWN END STRIP HEAD
◪	HIGH-POP CENTER STRIP HEAD
◧	HIGH-POP END STRIP HEAD
⊕	SMALL ROTARY
◑	SMALL ROTARY PART-CIRCLE
⊕	SMALL ROTARY PART-CIRCLE
◐	ROTARY PART-CIRCLE
⊙	ROTARY FULL-CIRCLE
◬	ROTARY PART-CIRCLE
◭	ROTARY FULL-CIRCLE
▲	QUICK COUPLING VALVE
|O|	REMOTE CONTROL VALVE
○	BALL VALVE
●	GATE VALVE
▬	CONTROLLER
— —	MAINLINE PIPING
———	LATERAL PIPING
———	DISTRIBUTION TUBING
|Ø|	REMOTE CONTROL DRIP VALVE
⋮⋮⋮	PLANTING BED TECHLINE TUBING
NN	BACKFLOW PREVENTER
Ⓦ	WATER METER
Ⓘ	ISOLATION VALVE
Ⓨ	WYE STRAINER
Ⓕ	FLOW METER
Ⓜ	MASTER VALVE
▭	STATION NUMBER VALVE SIZE GPM (APPROX.)

STATE OF TEXAS
SETH A. HEIDMAN
5881
LICENSED IRRIGATOR
11-18-10

NO.	REVISION	BY	DATE
1	IRRIGATION REVISION	KEL	11/18/10

Addison
TOWN OF ADDISON
DALLAS COUNTY, TEXAS

PARK IMPROVEMENTS
VITRUVIAN PARK

SOUTHERN PARKING AREA AND DRIVE IRRIGATION PLAN

IRRI*TECH LLC.
Irrigation Technology
12650 Schroeder Rd.
Dallas, Texas 75243
Phone (972) 231-5151
Fax (972) 231-5172

PROJECT	DESIGN	DRAWN	DATE	FILE	SHEET
5029-01	SAH	ASH	APR 26 2010	PW # 2009-04	IR-12

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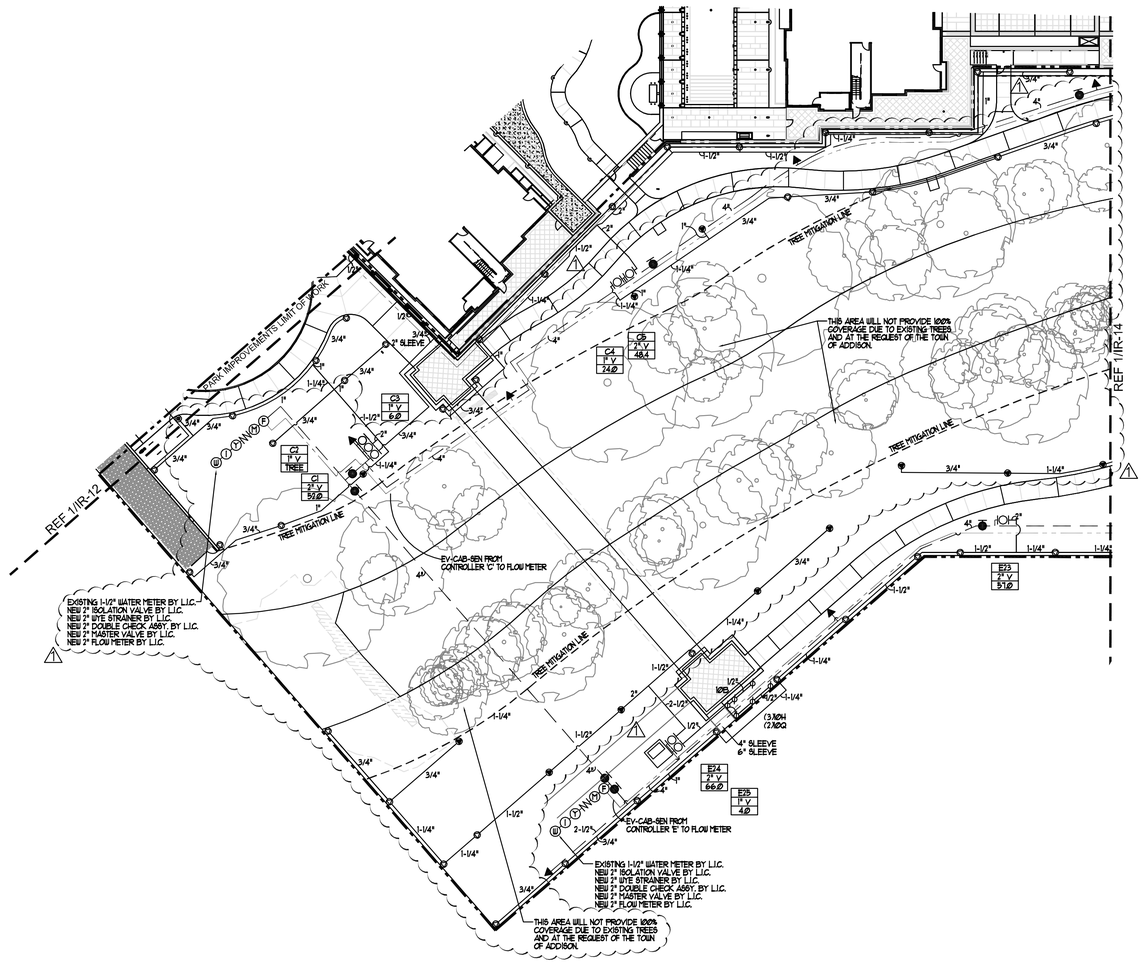
PARK AND STREETSCAPE IMPROVEMENTS - VITRUVIAN PARK



SHEET NOTES:
1. REFERENCE IR-19 FOR TREE IRRIGATION.
2. REFERENCE IR-24 AND IR-25 FOR IRRIGATION DETAILS
3. REFERENCE CIVIL PLANS FOR SLEEVE LOCATIONS.

0' 15' 30' 60'

1
IR-13
Southern Parking Area and Drive, Irrigation Plan

Irrigation in Texas is regulated by the Texas Commission on Environmental Quality (TCEQ), MC-178, P.O. Box 13087, Austin, Texas, 78711-3087, TCEQ website is: www.tceq.state.tx.us

IRRIGATION LEGEND:

SYMBOL	DESCRIPTION
●	LAWN SPRAY HEAD
⊘	HIGH-POP SPRAY HEAD
⊕	TREE BUBBLER HEAD
◕	TREE BUBBLER HEAD
■	LAWN CENTER STRIP HEAD
□	LAWN END STRIP HEAD
◪	HIGH-POP CENTER STRIP HEAD
◧	HIGH-POP END STRIP HEAD
⊕	SMALL ROTARY
◑	SMALL ROTARY PART-CIRCLE
⊛	SMALL ROTARY PART-CIRCLE
◐	ROTARY PART-CIRCLE
⊙	ROTARY FULL-CIRCLE
⊚	ROTARY PART-CIRCLE
◉	ROTARY FULL-CIRCLE
▲	QUICK COUPLING VALVE
|O|	REMOTE CONTROL VALVE
O	BALL VALVE
●	GATE VALVE
▬	CONTROLLER
— —	MAINLINE PIPING
———	LATERAL PIPING
———	DISTRIBUTION TUBING
|◐|	REMOTE CONTROL DRIP VALVE
⋮⋮⋮⋮⋮	PLANTING BED TECHLINE TUBING
NN	BACKFLOW PREVENTER
Ⓦ	WATER METER
Ⓘ	ISOLATION VALVE
Ⓨ	WYE STRAINER
Ⓕ	FLOW METER
Ⓜ	MASTER VALVE
▭	STATION NUMBER VALVE SIZE GPM (APPROX.)

STATE OF TEXAS
SETH A. HEIDMAN
5881
LICENSED IRRIGATOR
12-21-10

NO.	REVISION	BY	DATE
1	REVISION #1	KEL	12.21.10

Addison
TOWN OF ADDISON
DALLAS COUNTY, TEXAS

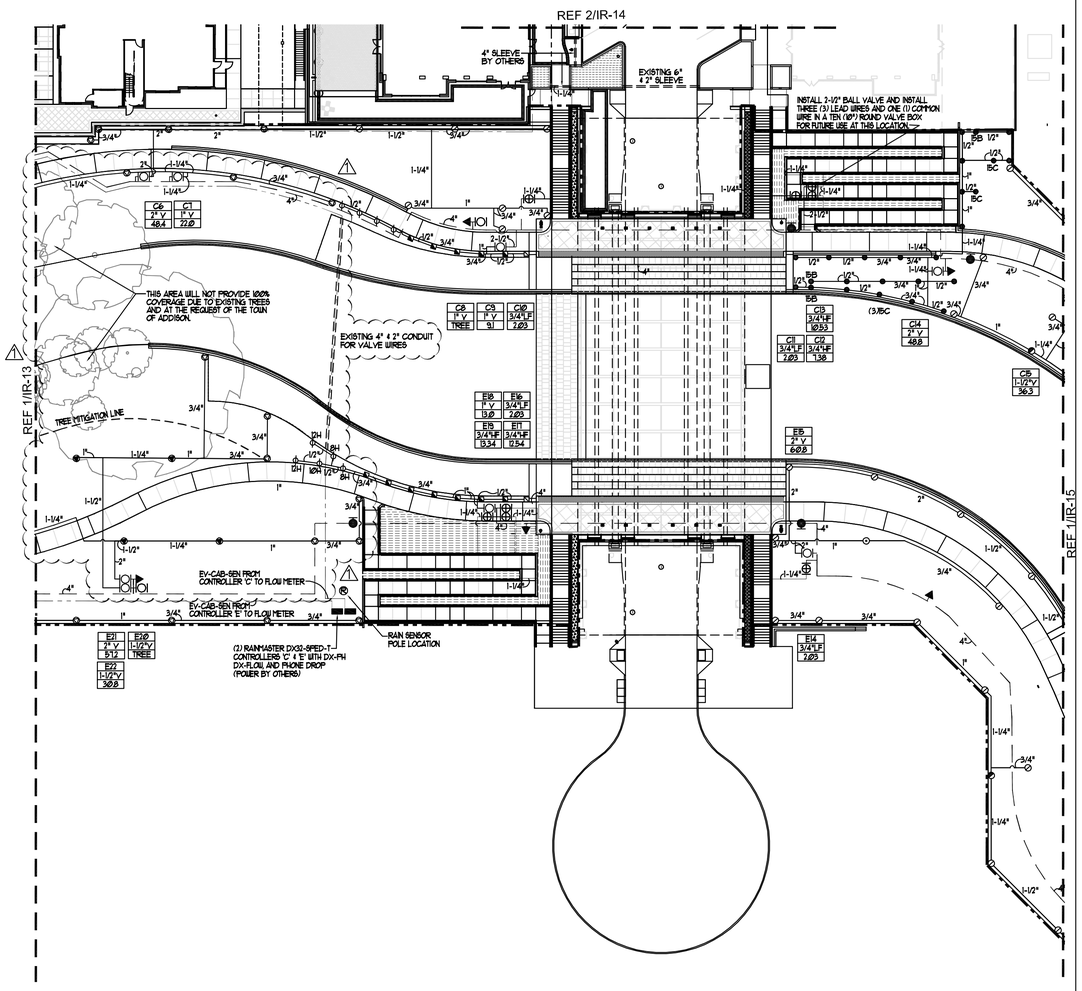
PARK IMPROVEMENTS
VITRUVIAN PARK

SOUTHERN PARKING AREA AND DRIVE IRRIGATION PLAN

IRRI*TECH LLC.
Irrigation Technology
12650 Schroeder Rd.
Dallas, Texas 75243
Phone (972) 231-5151
Fax (972) 231-5172

PROJECT	DESIGN	DRAWN	DATE	FILE	SHEET
5029-01	SAH	ASH	APR 26 2010	PW # 2009-04	IR-13

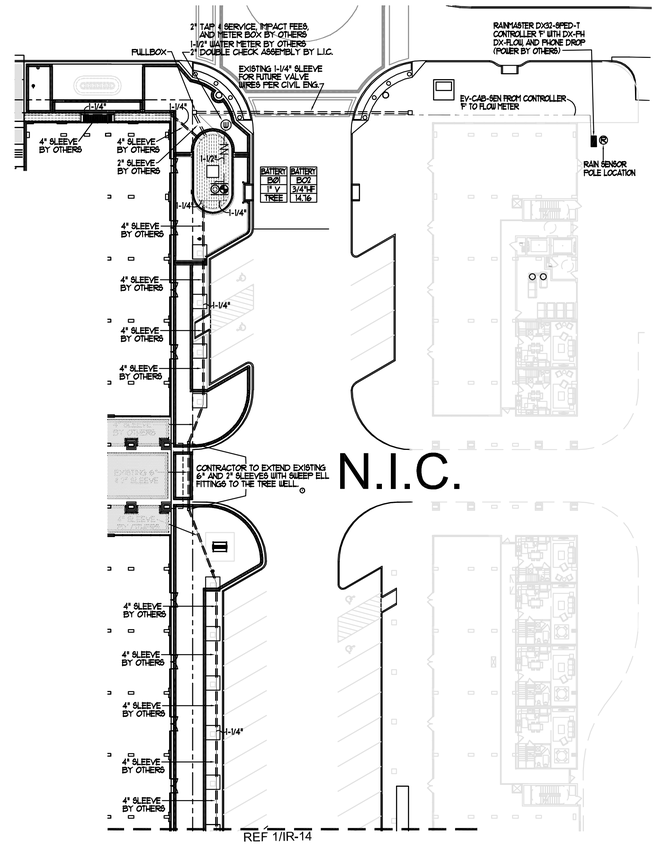
PARK AND STREETSCAPE IMPROVEMENTS - VITRUVIAN PARK



SHEET NOTES:
1. REFERENCE IR-20 FOR TREE IRRIGATION.
2. REFERENCE IR-24 AND IR-25 FOR IRRIGATION DETAILS
3. REFERENCE CIVIL PLANS FOR SLEEVE LOCATIONS.

1 IR-14 Southern Park Area - A, Irrigation Plan

0' 15' 30' 60'



SHEET NOTES:
1. REFERENCE IR-20 FOR TREE IRRIGATION.
2. REFERENCE IR-24 AND IR-25 FOR IRRIGATION DETAILS
3. REFERENCE CIVIL PLANS FOR SLEEVE LOCATIONS.

N.I.C.

2 IR-14 Southern Park Area - A, Irrigation Plan

0' 15' 30' 60'

IRRIGATION LEGEND:

SYMBOL	DESCRIPTION
●	LAWN SPRAY HEAD
⊘	HIGH-POP SPRAY HEAD
⊕	TREE BUBBLER HEAD
◕	TREE BUBBLER HEAD
■	LAWN CENTER STRIP HEAD
□	LAWN END STRIP HEAD
◪	HIGH-POP CENTER STRIP HEAD
◧	HIGH-POP END STRIP HEAD
⊕	SMALL ROTARY
◑	SMALL ROTARY PART-CIRCLE
⊛	SMALL ROTARY PART-CIRCLE
◐	ROTARY PART-CIRCLE
⊙	ROTARY FULL-CIRCLE
⊚	ROTARY PART-CIRCLE
◉	ROTARY FULL-CIRCLE
▲	QUICK COUPLING VALVE
⋈	REMOTE CONTROL VALVE
Ø	BALL VALVE
●	GATE VALVE
▬	CONTROLLER
— —	MAINLINE PIPING
———	LATERAL PIPING
———	DISTRIBUTION TUBING
RDV	REMOTE CONTROL DRIP VALVE
⋮⋮⋮	PLANTING BED TECHLINE TUBING
BF	BACKFLOW PREVENTER
Ⓦ	WATER METER
Ⓘ	ISOLATION VALVE
Ⓨ	WYE STRAINER
Ⓕ	FLOW METER
Ⓜ	MASTER VALVE
▭	STATION NUMBER VALVE SIZE GPM (APPROX.)

STATE OF TEXAS
SETH A. HEIDMAN
5881
LICENSED IRRIGATOR
12-21-10

NO.	REVISION	BY	DATE
1	REVISION #1	KEL	12.21.10

Addison TOWN OF ADDISON
DALLAS COUNTY, TEXAS

PARK IMPROVEMENTS
VITRUVIAN PARK

SOUTHERN PARK AREA -A IRRIGATION PLAN

IRRI*TECH LLC. Irrigation Technology
12650 Schroeder Rd. Dallas, Texas 75243
Phone (972) 231-5151 Fax (972) 231-5172

PROJECT	DESIGN	DRAWN	DATE	FILE	SHEET
5029-01	SAH	ASH	APR 26 2010	PW # 2009-04	IR-14

PARK AND STREETSCAPE IMPROVEMENTS - VITRUVIAN PARK

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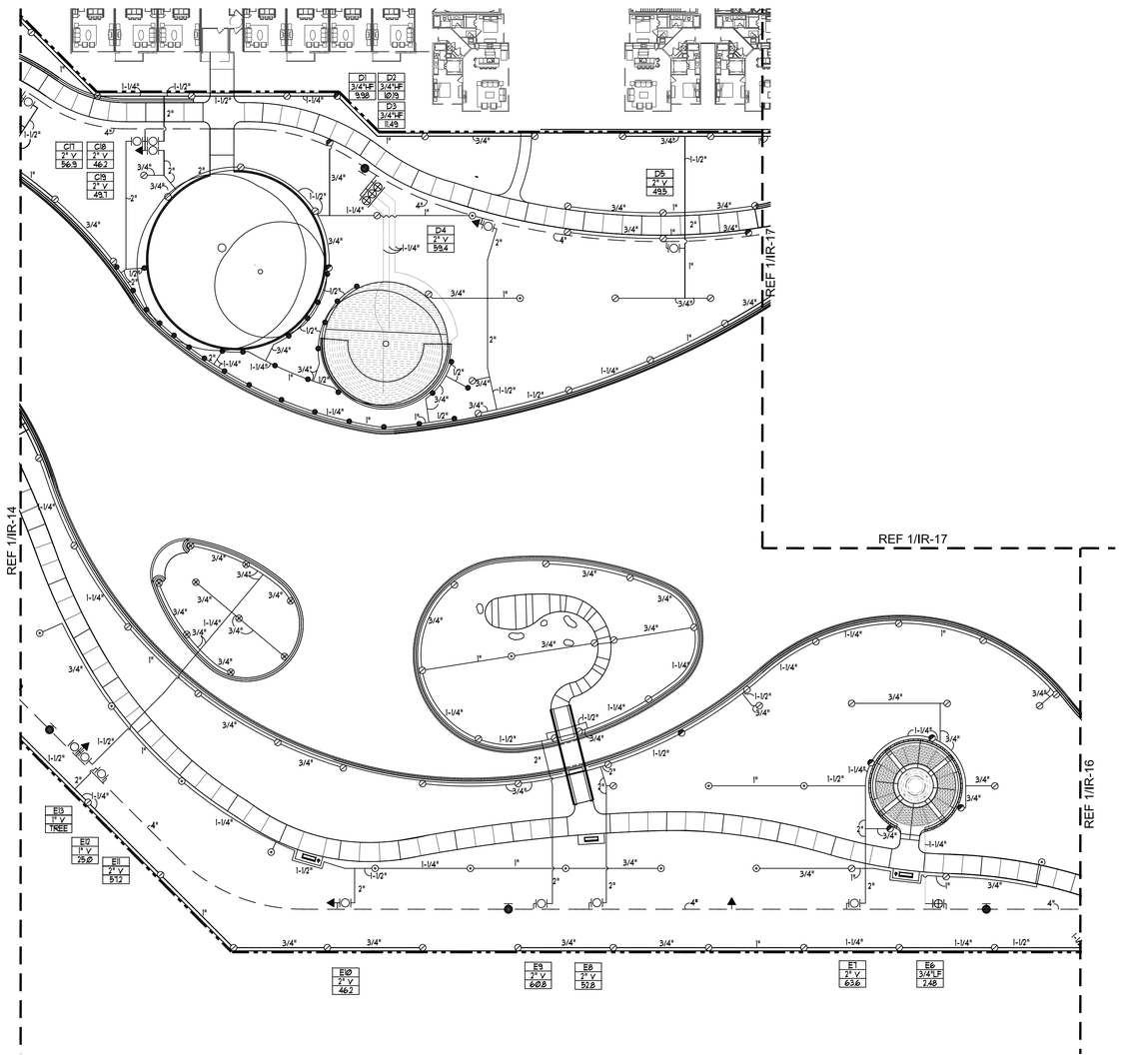

SHEET NOTES:
1. REFERENCE IR-21 FOR TREE IRRIGATION.
2. REFERENCE IR-24 AND IR-25 FOR IRRIGATION DETAILS
3. REFERENCE CIVIL PLANS FOR SLEEVE LOCATIONS.

0' 15' 30' 60'

1
IR-15
Southern Park Area - B, Irrigation Plan

IRRIGATION LEGEND:

SYMBOL	DESCRIPTION
●	LAWN SPRAY HEAD
⊘	HIGH-POP SPRAY HEAD
⊕	TREE BUBBLER HEAD
◔	TREE BUBBLER HEAD
■	LAWN CENTER STRIP HEAD
□	LAWN END STRIP HEAD
◪	HIGH-POP CENTER STRIP HEAD
◧	HIGH-POP END STRIP HEAD
⊕	SMALL ROTARY
◑	SMALL ROTARY PART-CIRCLE
⊕	SMALL ROTARY PART-CIRCLE
◐	ROTARY PART-CIRCLE
⊙	ROTARY FULL-CIRCLE
⊘	ROTARY PART-CIRCLE
◉	ROTARY FULL-CIRCLE
▲	QUICK COUPLING VALVE
|◯|	REMOTE CONTROL VALVE
◯	BALL VALVE
●	GATE VALVE
▬	CONTROLLER
— —	MAINLINE PIPING
———	LATERAL PIPING
———	DISTRIBUTION TUBING
RCDV	REMOTE CONTROL DRIP VALVE
	PLANTING BED TECHLINE TUBING
NN	BACKFLOW PREVENTER
Ⓦ	WATER METER
Ⓘ	ISOLATION VALVE
Ⓨ	WYE STRAINER
Ⓟ	FLOW METER
Ⓜ	MASTER VALVE
	STATION NUMBER VALVE SIZE GPM (APPROX.)

STATE OF TEXAS
SETH A. HEIDMAN
5881
LICENSED IRRIGATOR
4-26-10

NO.	REVISION	BY	DATE

Addison
TOWN OF ADDISON
DALLAS COUNTY, TEXAS

PARK IMPROVEMENTS
VITRUVIAN PARK

SOUTHERN PARK AREA -B IRRIGATION PLAN

IRRI*TECH LLC.
Irrigation Technology
12650 Schroeder Rd.
Dallas, Texas 75243
Phone (972) 231-5151
Fax (972) 231-5172

PROJECT	DESIGN	DRAWN	DATE	FILE	SHEET
5029-01	SAH	ASH	APR 26 2010	PW # 2009-04	IR-15

PARK AND STREETSCAPE IMPROVEMENTS - VITRUVIAN PARK

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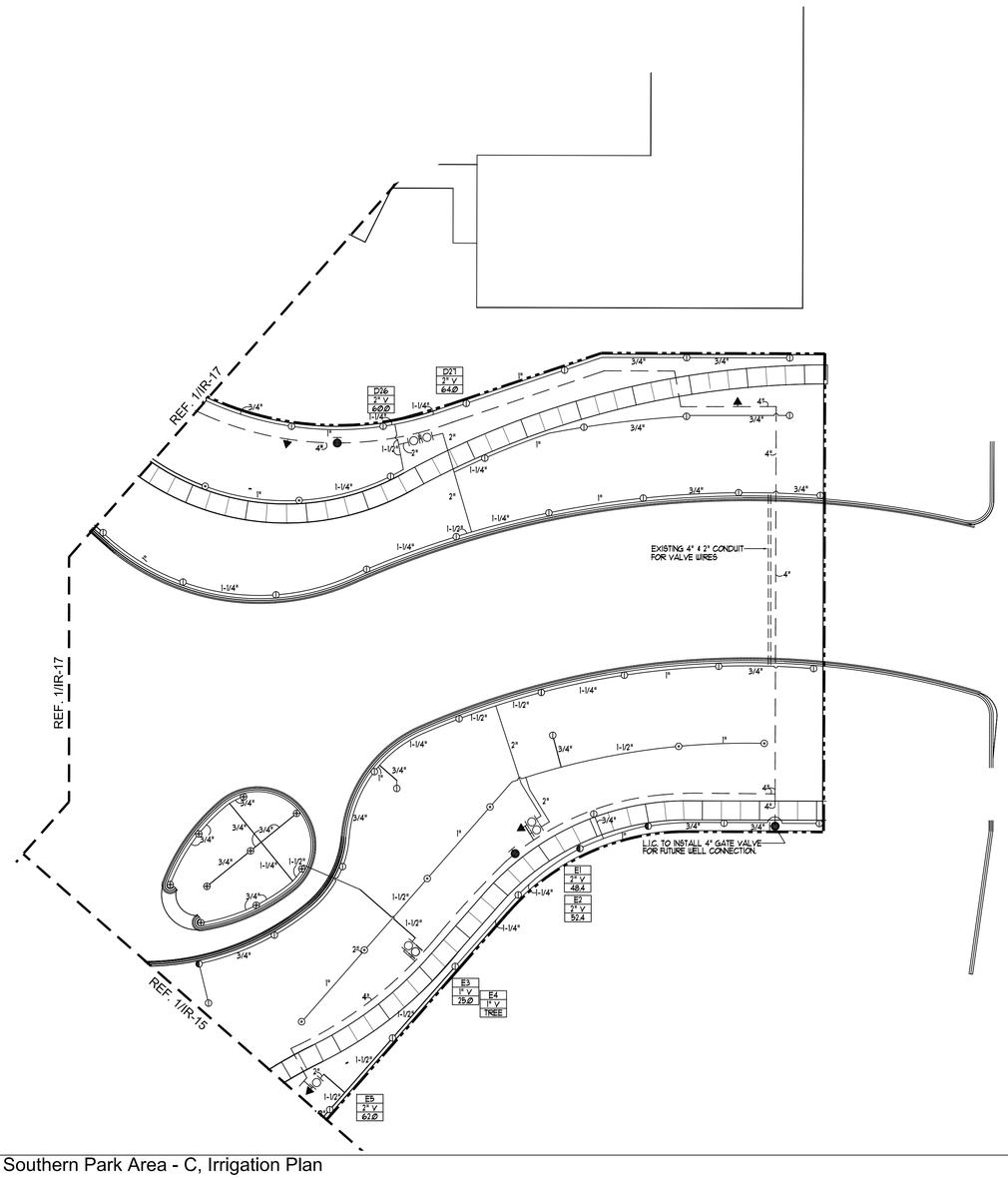

1
IR-16

Southern Park Area - C, Irrigation Plan

SHEET NOTES:
1. REFERENCE IR-22 FOR TREE IRRIGATION.
2. REFERENCE IR-24 AND IR-25 FOR IRRIGATION DETAILS
3. REFERENCE CIVIL PLANS FOR SLEEVE LOCATIONS.

N

0' 15' 30' 60'

IRRIGATION LEGEND:

SYMBOL	DESCRIPTION
●	LAWN SPRAY HEAD
⊘	HIGH-POP SPRAY HEAD
⊕	TREE BUBBLER HEAD
◔	TREE BUBBLER HEAD
■	LAWN CENTER STRIP HEAD
□	LAWN END STRIP HEAD
◪	HIGH-POP CENTER STRIP HEAD
◧	HIGH-POP END STRIP HEAD
⊕	SMALL ROTARY
◑	SMALL ROTARY PART-CIRCLE
◉	SMALL ROTARY PART-CIRCLE
◐	ROTARY PART-CIRCLE
⊙	ROTARY FULL-CIRCLE
◎	ROTARY PART-CIRCLE
◉	ROTARY FULL-CIRCLE
▲	QUICK COUPLING VALVE
|◯|	REMOTE CONTROL VALVE
◯	BALL VALVE
●	GATE VALVE
▬	CONTROLLER
— —	MAINLINE PIPING
———	LATERAL PIPING
———	DISTRIBUTION TUBING
|D|	REMOTE CONTROL DRIP VALVE
⊏⊏⊏⊏⊐	PLANTING BED TECHLINE TUBING
NN	BACKFLOW PREVENTER
Ⓦ	WATER METER
Ⓘ	ISOLATION VALVE
Ⓨ	WYE STRAINER
Ⓟ	FLOW METER
Ⓜ	MASTER VALVE
▭	STATION NUMBER VALVE SIZE GPM (APPROX.)

STATE OF TEXAS
SETH A. HEIDMAN
5881
LICENSED IRRIGATOR

4-26-10

NO.	REVISION	BY	DATE

Addison

TOWN OF ADDISON
DALLAS COUNTY, TEXAS

PARK IMPROVEMENTS
VITRUVIAN PARK

SOUTHERN PARK AREA -C IRRIGATION PLAN

IRRI*TECH LLC.
Irrigation Technology
12650 Schroeder Rd.
Dallas, Texas 75243
Phone (972) 231-5151
Fax (972) 231-5172

PROJECT	DESIGN	DRAWN	DATE	FILE	SHEET
5029-01	SAH	ASH	APR 26 2010	PW # 2009-04	IR-16

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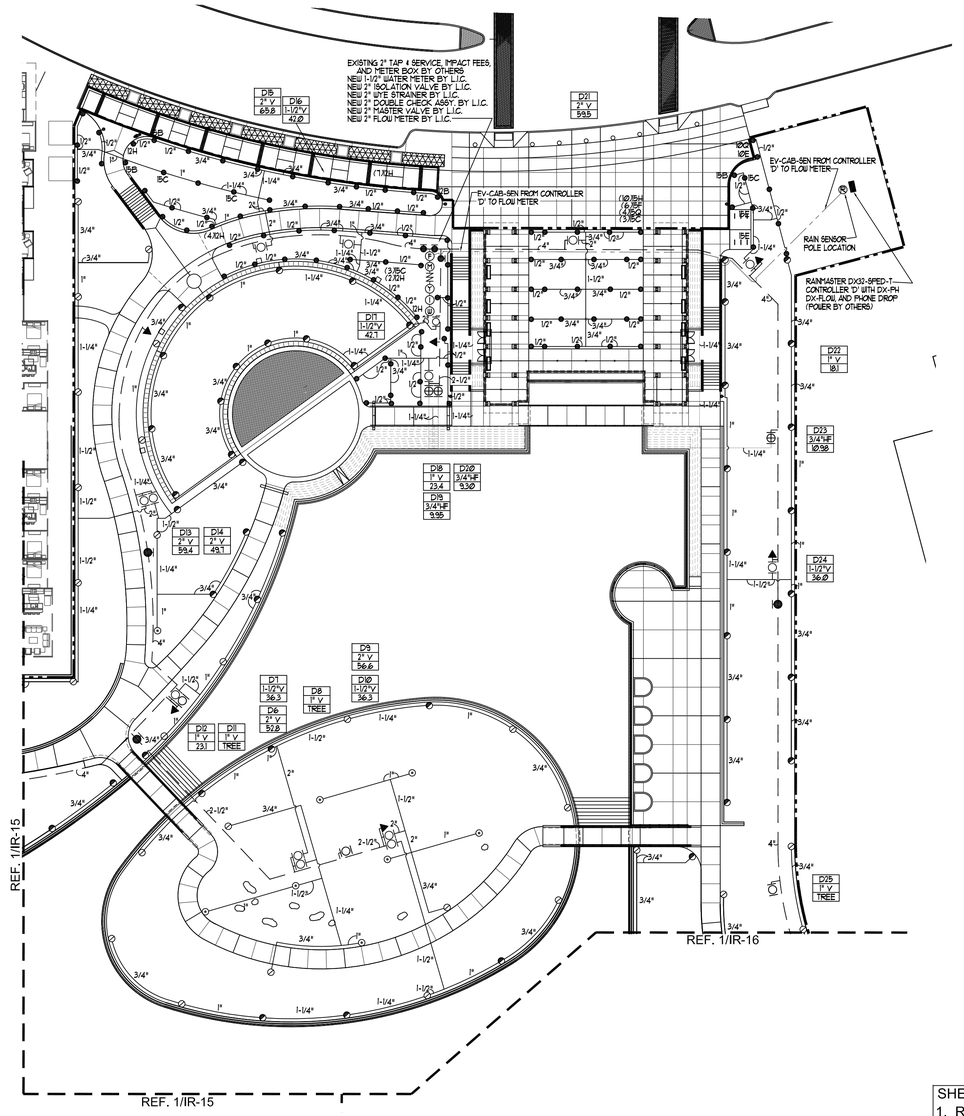
PARK AND STREETSCAPE IMPROVEMENTS - VITRUVIAN PARK



SHEET NOTES:
1. REFERENCE IR-23 FOR TREE IRRIGATION.
2. REFERENCE IR-24 AND IR-25 FOR IRRIGATION DETAILS
3. REFERENCE CIVIL PLANS FOR SLEEVE LOCATIONS.

N

0' 15' 30' 60'

1
IR-17
Northern Park Area - A, Irrigation Plan

IRRIGATION LEGEND:

SYMBOL	DESCRIPTION
●	LAWN SPRAY HEAD
⊘	HIGH-POP SPRAY HEAD
⊕	TREE BUBBLER HEAD
◔	TREE BUBBLER HEAD
■	LAWN CENTER STRIP HEAD
□	LAWN END STRIP HEAD
◪	HIGH-POP CENTER STRIP HEAD
◧	HIGH-POP END STRIP HEAD
⊕	SMALL ROTARY
◑	SMALL ROTARY PART-CIRCLE
⊕	SMALL ROTARY PART-CIRCLE
◐	ROTARY PART-CIRCLE
⊙	ROTARY FULL-CIRCLE
⊘	ROTARY PART-CIRCLE
◉	ROTARY FULL-CIRCLE
▲	QUICK COUPLING VALVE
⧈	REMOTE CONTROL VALVE
○	BALL VALVE
●	GATE VALVE
▬	CONTROLLER
—— ——	MAINLINE PIPING
——	LATERAL PIPING
——	DISTRIBUTION TUBING
⧈	REMOTE CONTROL DRIP VALVE
⋮⋮⋮	PLANTING BED TECHLINE TUBING
NN	BACKFLOW PREVENTER
Ⓦ	WATER METER
Ⓘ	ISOLATION VALVE
Ⓨ	WYE STRAINER
Ⓕ	FLOW METER
Ⓜ	MASTER VALVE
▭	STATION NUMBER VALVE SIZE GPM (APPROX.)

STATE OF TEXAS
SETH A. HEIDMAN
5881
LICENSED IRRIGATOR

4-26-10

NO.	REVISION	BY	DATE

Addison
TOWN OF ADDISON
DALLAS COUNTY, TEXAS

PARK IMPROVEMENTS
VITRUVIAN PARK

NORTHERN PARK AREA - A IRRIGATION PLAN

IRRI*TECH LLC.
Irrigation Technology
12650 Schroeder Rd.
Dallas, Texas 75243
Phone (972) 231-5151
Fax (972) 231-5172

PROJECT	DESIGN	DRAWN	DATE	FILE	SHEET
5029-01	SAH	ASH	APR 26 2010	PW # 2009-04	IR-17

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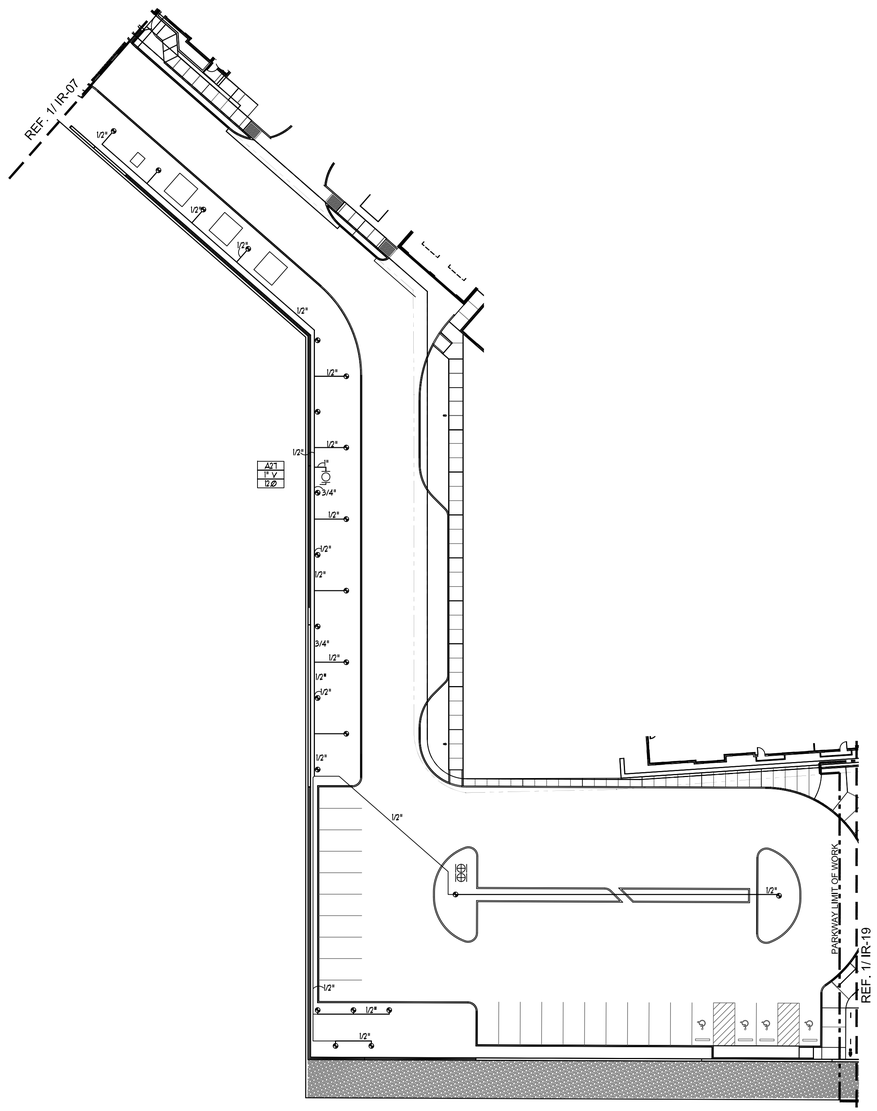
PARK AND STREETSCAPE IMPROVEMENTS - VITRUVIAN PARK



SHEET NOTES:
1. REFERENCE IR-24 AND IR-25 FOR IRRIGATION DETAILS
2. REFERENCE CIVIL PLANS FOR SLEEVE LOCATIONS.

N

0' 15' 30' 60'

1
IR-18
Southern Parking Area and Drive, Irrigation Tree Plan

IRRIGATION LEGEND:

SYMBOL	DESCRIPTION
●	LAWN SPRAY HEAD
⊘	HIGH-POP SPRAY HEAD
⊕	TREE BUBBLER HEAD
◔	TREE BUBBLER HEAD
■	LAWN CENTER STRIP HEAD
□	LAWN END STRIP HEAD
◪	HIGH-POP CENTER STRIP HEAD
◧	HIGH-POP END STRIP HEAD
⊕	SMALL ROTARY
◑	SMALL ROTARY PART-CIRCLE
⊕	SMALL ROTARY PART-CIRCLE
◐	ROTARY PART-CIRCLE
⊙	ROTARY FULL-CIRCLE
⊘	ROTARY PART-CIRCLE
◉	ROTARY FULL-CIRCLE
▲	QUICK COUPLING VALVE
|O|	REMOTE CONTROL VALVE
Ø	BALL VALVE
●	GATE VALVE
▬	CONTROLLER
— —	MAINLINE PIPING
———	LATERAL PIPING
———	DISTRIBUTION TUBING
|RDI|	REMOTE CONTROL DRIP VALVE
⋮⋮⋮	PLANTING BED TECHLINE TUBING
NN	BACKFLOW PREVENTER
(W)	WATER METER
(I)	ISOLATION VALVE
(Y)	WYE STRAINER
(F)	FLOW METER
(M)	MASTER VALVE
▭	STATION NUMBER VALVE SIZE GPM (APPROX.)

STATE OF TEXAS
SETH A. HEIDMAN
5881
LICENSED IRRIGATOR

4-26-10

NO.	REVISION	BY	DATE

Addison

TOWN OF ADDISON
DALLAS COUNTY, TEXAS

PARK IMPROVEMENTS
VITRUVIAN PARK

SOUTHERN PARKING AREA AND DRIVE IRRIGATION TREE PLAN

IRRI*TECH LLC.
Irrigation Technology
12650 Schroeder Rd.
Dallas, Texas 75243
Phone (972) 231-5151
Fax (972) 231-5172

PROJECT	DESIGN	DRAWN	DATE	FILE	SHEET
5029-01	SAH	ASH	APR 26 2010	PW # 2009-04	IR-18

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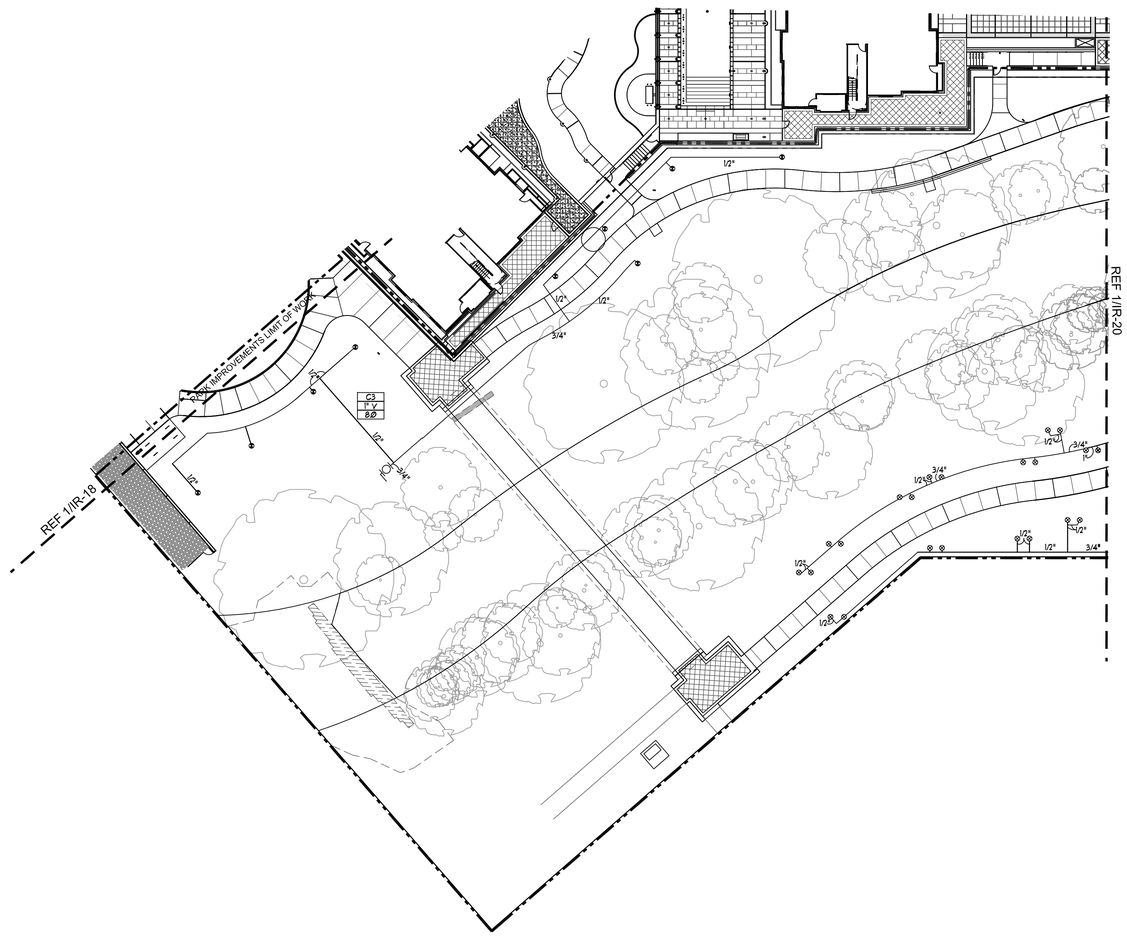
PARK AND STREETSCAPE IMPROVEMENTS - VITRUVIAN PARK



SHEET NOTES:
1. REFERENCE IR-24 AND IR-25 FOR IRRIGATION DETAILS
2. REFERENCE CIVIL PLANS FOR SLEEVE LOCATIONS.

0' 15' 30' 60'

1
IR-19
Southern Parking Area and Drive, Irrigation Tree Plan

IRRIGATION LEGEND:

SYMBOL	DESCRIPTION
●	LAWN SPRAY HEAD
⊘	HIGH-POP SPRAY HEAD
⊕	TREE BUBBLER HEAD
◔	TREE BUBBLER HEAD
■	LAWN CENTER STRIP HEAD
□	LAWN END STRIP HEAD
◪	HIGH-POP CENTER STRIP HEAD
◧	HIGH-POP END STRIP HEAD
⊕	SMALL ROTARY
◑	SMALL ROTARY PART-CIRCLE
⊛	SMALL ROTARY PART-CIRCLE
◐	ROTARY PART-CIRCLE
⊙	ROTARY FULL-CIRCLE
⊘	ROTARY PART-CIRCLE
◕	ROTARY FULL-CIRCLE
▲	QUICK COUPLING VALVE
⧈	REMOTE CONTROL VALVE
○	BALL VALVE
●	GATE VALVE
▬	CONTROLLER
— —	MAINLINE PIPING
———	LATERAL PIPING
———	DISTRIBUTION TUBING
⧈D	REMOTE CONTROL DRIP VALVE
⋮⋮⋮	PLANTING BED TECHLINE TUBING
NN	BACKFLOW PREVENTER
Ⓦ	WATER METER
Ⓘ	ISOLATION VALVE
Ⓨ	WYE STRAINER
Ⓕ	FLOW METER
Ⓜ	MASTER VALVE
▭	STATION NUMBER VALVE SIZE GPM (APPROX.)

STATE OF TEXAS
SETH A. HEIDMAN
5881
LICENSED IRRIGATOR
4-26-10

NO.	REVISION	BY	DATE

Addison
TOWN OF ADDISON
DALLAS COUNTY, TEXAS

PARK IMPROVEMENTS
VITRUVIAN PARK

SOUTHERN PARKING AREA AND DRIVE IRRIGATION TREE PLAN

IRRI*TECH LLC.
Irrigation Technology
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Fax (972) 231-5172

PROJECT	DESIGN	DRAWN	DATE	FILE	SHEET
5029-01	SAH	ASH	APR 26 2010	PW # 2009-04	IR-19

PARK AND STREETSCAPE IMPROVEMENTS - VITRUVIAN PARK

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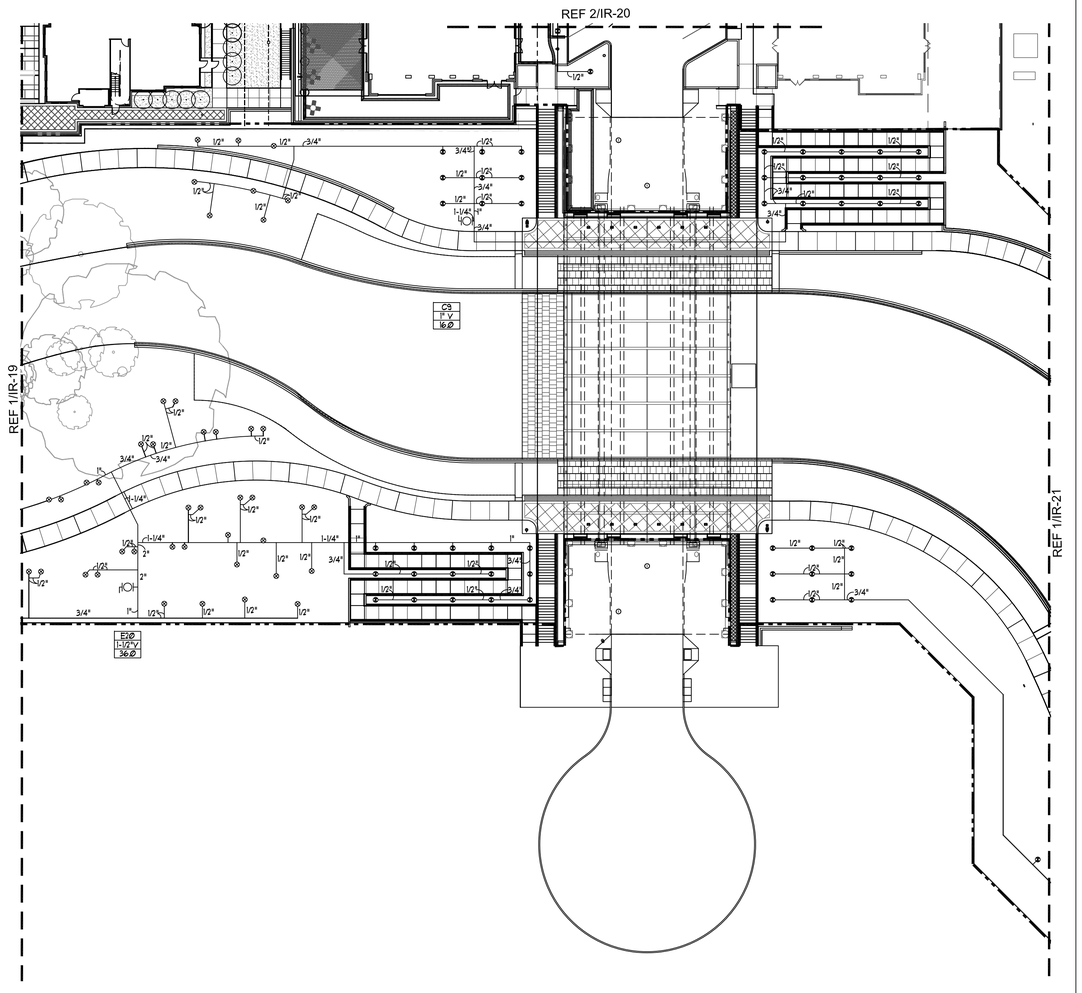
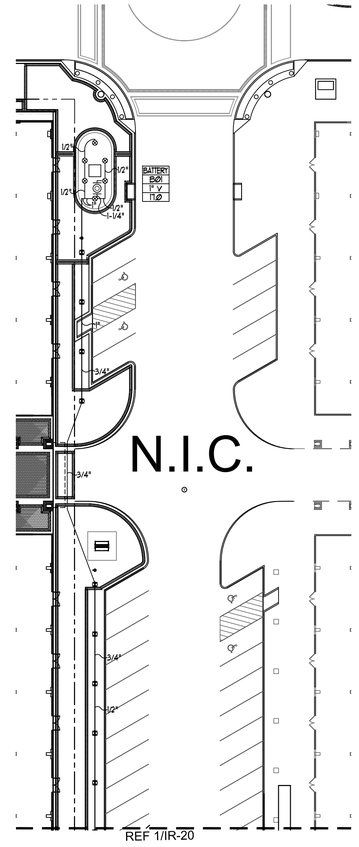


SHEET NOTES:
1. REFERENCE IR-24 AND IR-25 FOR IRRIGATION DETAILS
2. REFERENCE CIVIL PLANS FOR SLEEVE LOCATIONS.

0' 15' 30' 60'

1
IR-20

Southern Park Area - A, Irrigation Tree Plan



SHEET NOTES:
1. REFERENCE IR-24 AND IR-25 FOR IRRIGATION DETAILS
2. REFERENCE CIVIL PLANS FOR SLEEVE LOCATIONS.

N.I.C.

0' 15' 30' 60'

2
IR-20

Southern Park Area - A, Irrigation Tree Plan

IRRIGATION LEGEND:

SYMBOL	DESCRIPTION
●	LAWN SPRAY HEAD
⊘	HIGH-POP SPRAY HEAD
⊕	TREE BUBBLER HEAD
◔	TREE BUBBLER HEAD
■	LAWN CENTER STRIP HEAD
□	LAWN END STRIP HEAD
◪	HIGH-POP CENTER STRIP HEAD
◧	HIGH-POP END STRIP HEAD
⊕	SMALL ROTARY
◑	SMALL ROTARY PART-CIRCLE
⊛	SMALL ROTARY PART-CIRCLE
◐	ROTARY PART-CIRCLE
⊙	ROTARY FULL-CIRCLE
⊘	ROTARY PART-CIRCLE
◉	ROTARY FULL-CIRCLE
▲	QUICK COUPLING VALVE
IOI	REMOTE CONTROL VALVE
Ø	BALL VALVE
●	GATE VALVE
▬	CONTROLLER
— —	MAINLINE PIPING
———	LATERAL PIPING
———	DISTRIBUTION TUBING
IDI	REMOTE CONTROL DRIP VALVE
⋮⋮⋮	PLANTING BED TECHLINE TUBING
NN	BACKFLOW PREVENTER
Ⓦ	WATER METER
Ⓘ	ISOLATION VALVE
Ⓨ	WYE STRAINER
Ⓕ	FLOW METER
Ⓜ	MASTER VALVE
▭	STATION NUMBER VALVE SIZE GPM (APPROX.)

STATE OF TEXAS
SETH A. HEIDMAN
5881
LICENSED IRRIGATOR
4-26-10

NO.	REVISION	BY	DATE

Addison

TOWN OF ADDISON
DALLAS COUNTY, TEXAS

PARK IMPROVEMENTS
VITRUVIAN PARK

SOUTHERN PARK AREA -A IRRIGATION TREE PLAN

IRRI*TECH LLC.
Irrigation Technology
12650 Schroeder Rd.
Dallas, Texas 75243
Phone (972) 231-5151
Fax (972) 231-5172

PROJECT	DESIGN	DRAWN	DATE	FILE	SHEET
5029-01	SAH	ASH	APR 26 2010	PW # 2009-04	IR-20

PARK AND STREETSCAPE IMPROVEMENTS - VITRUVIAN PARK

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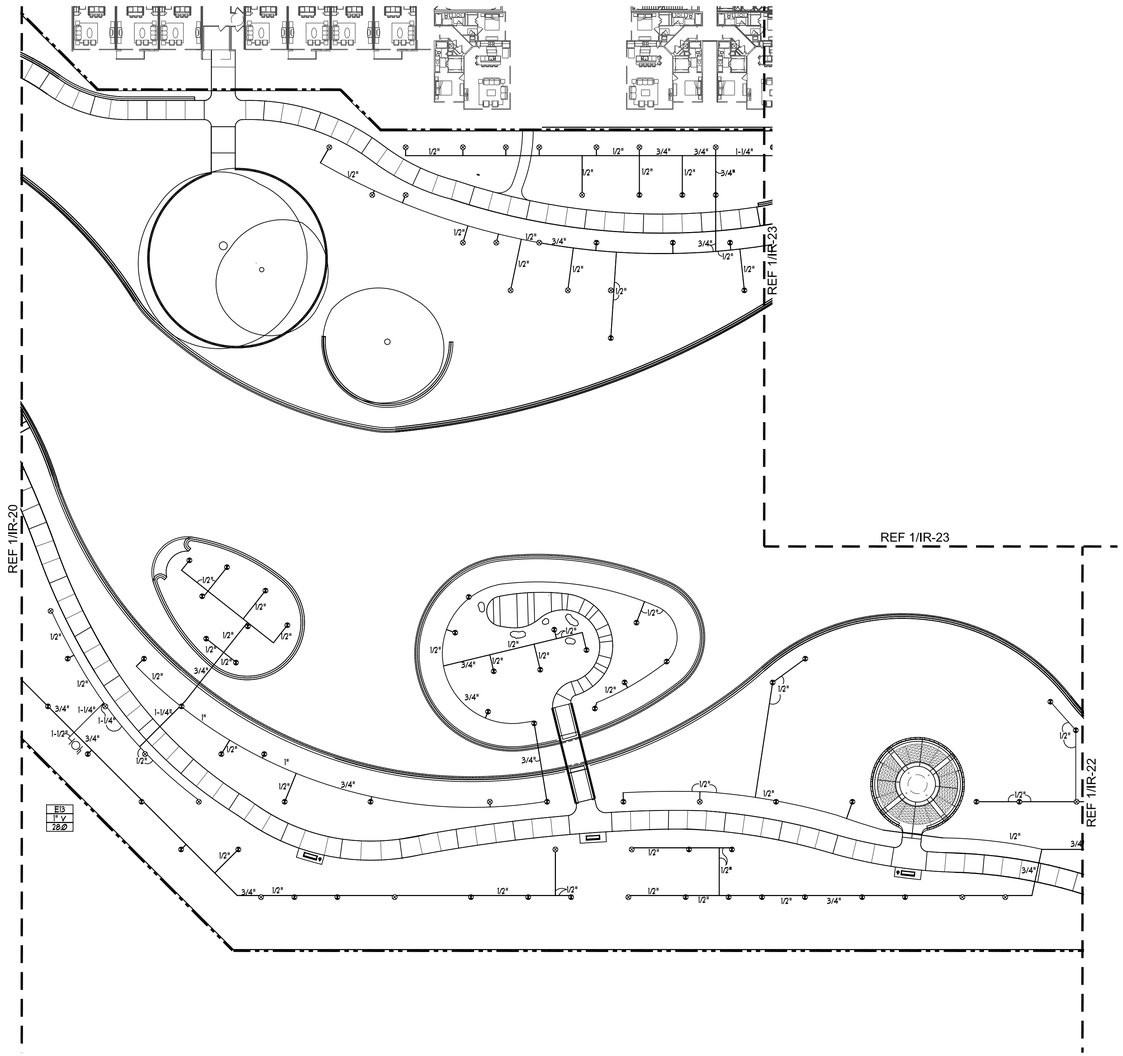

SHEET NOTES:
1. REFERENCE IR-24 AND IR-25 FOR IRRIGATION DETAILS
2. REFERENCE CIVIL PLANS FOR SLEEVE LOCATIONS.

0' 15' 30' 60'

1
IR-21
Southern Park Area - B, Irrigation Tree Plan

IRRIGATION LEGEND:

SYMBOL	DESCRIPTION
	LAWN SPRAY HEAD
	HIGH-POP SPRAY HEAD
	TREE BUBBLER HEAD
	TREE BUBBLER HEAD
	LAWN CENTER STRIP HEAD
	LAWN END STRIP HEAD
	HIGH-POP CENTER STRIP HEAD
	HIGH-POP END STRIP HEAD
	SMALL ROTARY
	SMALL ROTARY PART-CIRCLE
	SMALL ROTARY PART-CIRCLE
	ROTARY PART-CIRCLE
	ROTARY FULL-CIRCLE
	ROTARY PART-CIRCLE
	ROTARY FULL-CIRCLE
	QUICK COUPLING VALVE
	REMOTE CONTROL VALVE
	BALL VALVE
	GATE VALVE
	CONTROLLER
	MAINLINE PIPING
	LATERAL PIPING
	DISTRIBUTION TUBING
RCDI	REMOTE CONTROL DRIP VALVE
	PLANTING BED TECHLINE TUBING
	BACKFLOW PREVENTER
W	WATER METER
I	ISOLATION VALVE
Y	WYE STRAINER
F	FLOW METER
M	MASTER VALVE
	STATION NUMBER VALVE SIZE GPM (APPROX.)

STATE OF TEXAS
SETH A. HEIDMAN
5881
LICENSED IRRIGATOR
4-26-10

NO.	REVISION	BY	DATE

Addison
TOWN OF ADDISON
DALLAS COUNTY, TEXAS

PARK IMPROVEMENTS
VITRUVIAN PARK

SOUTHERN PARK AREA -B IRRIGATION TREE PLAN

IRRI*TECH LLC.
Irrigation Technology
12650 Schroeder Rd.
Dallas, Texas 75243
Phone (972) 231-5151
Fax (972) 231-5172

PROJECT	DESIGN	DRAWN	DATE	FILE	SHEET
5029-01	SAH	ASH	APR 26 2010	PW # 2009-04	IR-21

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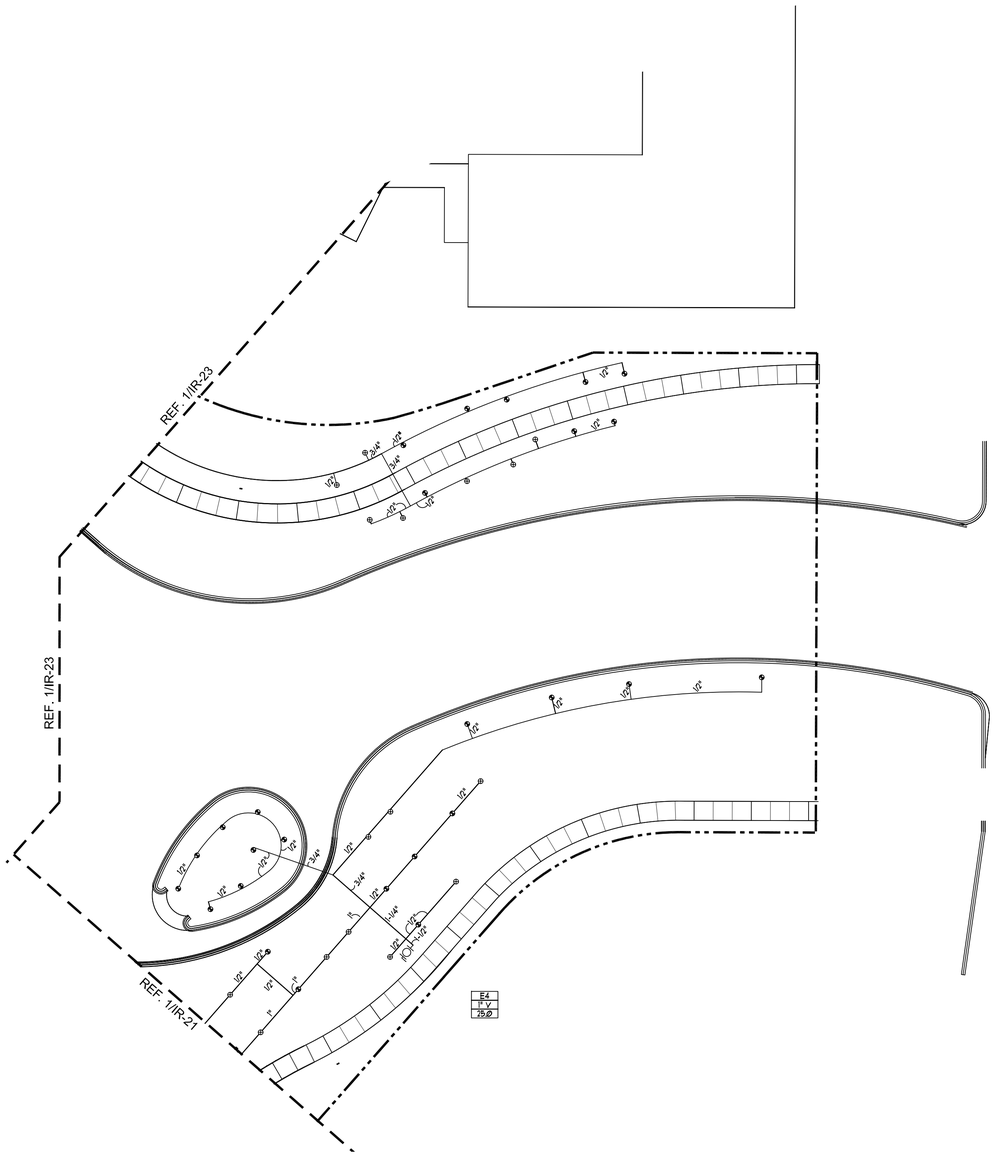
PARK AND STREETSCAPE IMPROVEMENTS - VITRUVIAN PARK



SHEET NOTES:
1. REFERENCE IR-24 AND IR-25 FOR IRRIGATION DETAILS
2. REFERENCE CIVIL PLANS FOR SLEEVE LOCATIONS.

N

0' 15' 30' 60'

1
IR-22
Southern Park Area - C, Irrigation Tree Plan

IRRIGATION LEGEND:

SYMBOL	DESCRIPTION
	LAWN SPRAY HEAD
	HIGH-POP SPRAY HEAD
	TREE BUBBLER HEAD
	TREE BUBBLER HEAD
	LAWN CENTER STRIP HEAD
	LAWN END STRIP HEAD
	HIGH-POP CENTER STRIP HEAD
	HIGH-POP END STRIP HEAD
	SMALL ROTARY
	SMALL ROTARY PART-CIRCLE
	SMALL ROTARY PART-CIRCLE
	ROTARY PART-CIRCLE
	ROTARY FULL-CIRCLE
	ROTARY PART-CIRCLE
	ROTARY FULL-CIRCLE
	QUICK COUPLING VALVE
	REMOTE CONTROL VALVE
	BALL VALVE
	GATE VALVE
	CONTROLLER
	MAINLINE PIPING
	LATERAL PIPING
	DISTRIBUTION TUBING
RCDV	REMOTE CONTROL DRIP VALVE
	PLANTING BED TECHLINE TUBING
	BACKFLOW PREVENTER
W	WATER METER
I	ISOLATION VALVE
Y	WYE STRAINER
F	FLOW METER
M	MASTER VALVE
	STATION NUMBER VALVE SIZE GPM (APPROX.)

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PARK IMPROVEMENTS
VITRUVIAN PARK

SOUTHERN PARK AREA -C IRRIGATION TREE PLAN

IRRI*TECH LLC.
Irrigation Technology
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5029-01	SAH	ASH	APR 26 2010	PW # 2009-04	IR-22

PARK AND STREETSCAPE IMPROVEMENTS - VITRUVIAN PARK

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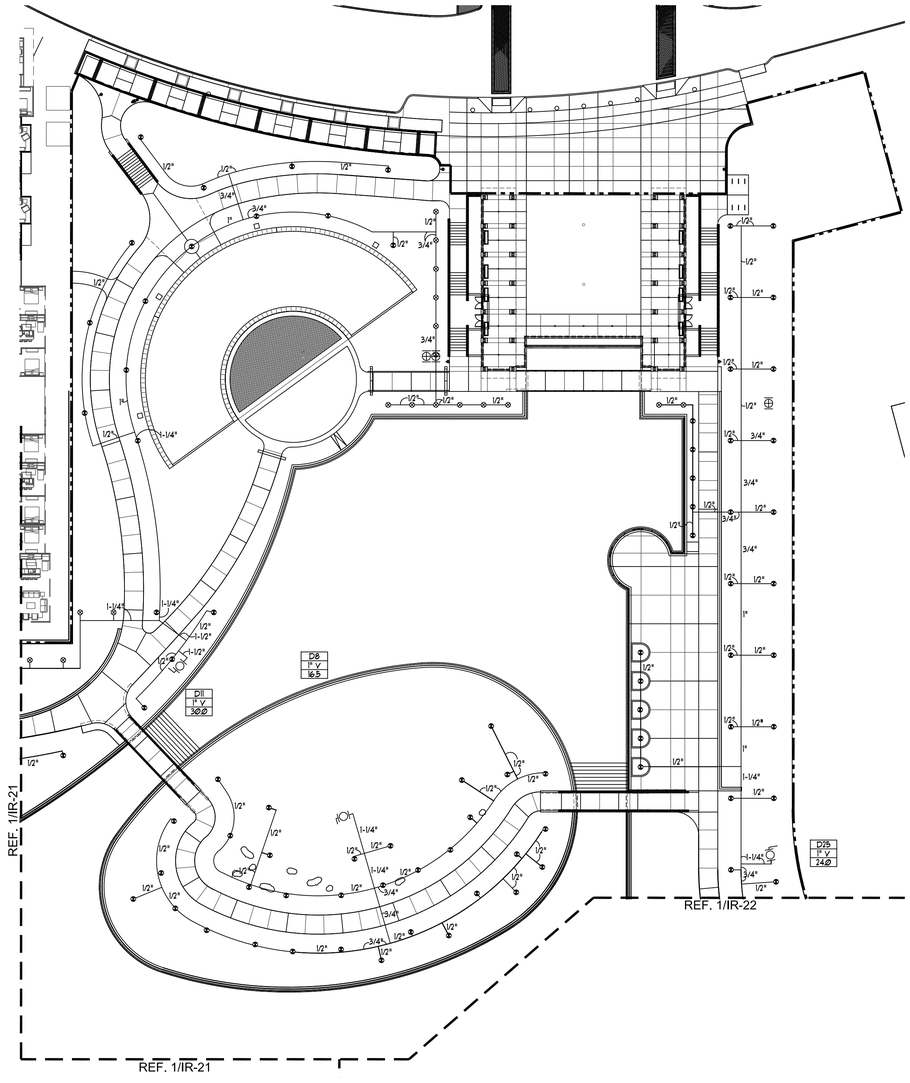

SHEET NOTES:
1. REFERENCE IR-24 AND IR-25 FOR IRRIGATION DETAILS
2. REFERENCE CIVIL PLANS FOR SLEEVE LOCATIONS.

0' 15' 30' 60'

1
IR-23 Northern Park Area - A, Irrigation Tree Plan

IRRIGATION LEGEND:

SYMBOL	DESCRIPTION
	LAWN SPRAY HEAD
	HIGH-POP SPRAY HEAD
	TREE BUBBLER HEAD
	TREE BUBBLER HEAD
	LAWN CENTER STRIP HEAD
	LAWN END STRIP HEAD
	HIGH-POP CENTER STRIP HEAD
	HIGH-POP END STRIP HEAD
	SMALL ROTARY
	SMALL ROTARY PART-CIRCLE
	SMALL ROTARY PART-CIRCLE
	ROTARY PART-CIRCLE
	ROTARY FULL-CIRCLE
	ROTARY PART-CIRCLE
	ROTARY FULL-CIRCLE
	QUICK COUPLING VALVE
	REMOTE CONTROL VALVE
	BALL VALVE
	GATE VALVE
	CONTROLLER
	MAINLINE PIPING
	LATERAL PIPING
	DISTRIBUTION TUBING
	REMOTE CONTROL DRIP VALVE
	PLANTING BED TECHLINE TUBING
	BACKFLOW PREVENTER
W	WATER METER
I	ISOLATION VALVE
Y	WYE STRAINER
F	FLOW METER
M	MASTER VALVE
	STATION NUMBER VALVE SIZE GPM (APPROX.)

STATE OF TEXAS
SETH A. HEIDMAN
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Addison TOWN OF ADDISON
DALLAS COUNTY, TEXAS

PARK IMPROVEMENTS
VITRUVIAN PARK

NORTHERN PARK AREA - A IRRIGATION TREE PLAN

IRRI*TECH LLC.
Irrigation Technology
12650 Schroeder Rd.
Dallas, Texas 75243
Phone (972) 231-5151
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PROJECT	DESIGN	DRAWN	DATE	FILE	SHEET
5029-01	SAH	ASH	APR 26 2010	PW # 2009-04	IR-23

PARK AND STREETSCAPE IMPROVEMENTS - VITRUVIAN PARK

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NOTES:

1. ALL 24 VOLT LEAD AND COMMON VALVE WIRING SHALL BE A MINIMUM OF UF-14 GA. SINGLE CONDUCTOR. REFER TO MANUFACTURER'S RECOMMENDATIONS FOR PROPER WIRE SIZE. WIRE SPLICES SHALL BE PERMANENT AND WATERPROOF.
2. COORDINATE INSTALLATION OF IRRIGATION SYSTEM WITH LANDSCAPE CONTRACTOR TO ENSURE ALL PLANT MATERIAL WILL BE WATERED IN ACCORDANCE WITH THE INTENT OF THE PLANS AND SPECIFICATIONS.
3. LATERAL PIPING SHALL HAVE A MINIMUM OF 12" OF COVER. MAINLINE AND PIPING UNDER PAVING SHALL HAVE A MINIMUM OF 18" OF COVER. USE WELD-ON #105 SOLVENT AND #P-68 PRIMER FOR PVC CONNECTIONS.
4. PIPING AND VALVES IN PAVING SHOWN FOR CLARITY, INSTALL IN ADJACENT PLANTING BED OR LAWN AREA.
5. CONNECT LAWN AND HIGH-POP SPRAY HEADS TO LATERAL PIPING WITH 1/2" THREADED GREEN POLY NIPPLE AS REQUIRED, PER DETAIL SHOWN. USE TURF-TITE SOLVENT AND TURF-TITE PRIMER ON THESE CONNECTIONS.
6. CONNECT ROTARY HEADS TO LATERAL PIPE WITH LASCO "UNITIZED", O-RING SWING JOINTS PER DETAIL SHOWN, #T122-212.
7. INSTALL QUICK COUPLING VALVES IN TWELVE BY SEVENTEEN (12"x17") INCH PENTEK VALVE BOX PER DETAIL SHOWN. CONNECT QUICK COUPLING VALVES TO MAINLINE PIPE WITH LASCO "UNITIZED", O-RING SWING JOINTS PER DETAIL SHOWN, #T122-212. SUPPLY OWNER WITH THREE (3) COUPLER KEYS WITH SWIVEL HOSE BIBB EACH, #33DK-10 AND #SH-0 RESPECTIVELY. VALVES TO BE INSTALLED SO THAT TOP OF QUICK COUPLER IS 2" BELOW BOTTOM OF VALVE BOX TOP. PURPLE LID READS "NON-POTABLE, NOT SAFE FOR DRINKING" IN ENGLISH AND SPANISH.
8. INSTALL ALL REMOTE CONTROL VALVES IN A TWELVE BY SEVENTEEN (12"x17") INCH PENTEK VALVE BOXES PER DETAIL SHOWN.
9. PERFORM ELECTRICAL WORK IN ACCORDANCE WITH LOCAL BUILDING CODE. POWER (120V) SHALL BE LOCATED IN A JUNCTION BOX AND HARDWIRED WITHIN FIVE (5') FEET OF CONTROLLER LOCATION BY OTHER TRADES.
10. ALL SLEEVES ARE EXISTING UNLESS OTHERWISE NOTED.
11. LANDSCAPE IRRIGATION CONTRACTOR TO PROVIDE TRACE TAPE FOR ALL MAINLINE.
12. CONTRACTOR TO INSTALL AND ADJUST VAN SERIES NOZZLES FOR SITUATIONS THAT REQUIRE LESS THAN 90° DEGREE RADIUS SPRAY.
13. TEN DAYS PRIOR TO START OF CONSTRUCTION, VERIFY STATIC PRESSURE. IF STATIC PRESSURE IS LESS THAN 81.0 PSI, DO NOT START WORK UNTIL NOTIFIED TO PROCEED BY OWNER. DESIGN PRESSURE IS 64.0 PSI.
14. MINIMUM DISTANCE BETWEEN MAIN LINE AND LATERAL LINE FITTINGS (EXCEPT FOR REDUCER BUSHINGS) TO BE 18".
15. MINIMUM HORIZONTAL DISTANCE OF 36" TO BE MAINTAINED BETWEEN ANY VALVES THAT ARE INSTALLED SIDE BY SIDE.
16. LANDSCAPE IRRIGATION CONTRACTOR (L.I.C.) TO STAKE TREE BUBBLER HEAD LOCATIONS AND RECEIVE APPROVAL FROM OWNER'S REPRESENTATIVE PRIOR TO INSTALLATION.
17. ALL FOUR-INCH MAINLINE SHALL HAVE A MAXIMUM OF TWENTY-EIGHT (28") INCHES AND A MINIMUM OF TWENTY-FOUR (24") INCHES OF COVER FROM FINISH GRADE.
18. ALL FITTINGS FOR FOUR (4") INCH PIPE TO BE HARCO DEEP BELL DUCTILE IRON FITTINGS. FITTINGS SHALL HAVE DEEP BELL PUSH-ON JOINTS WITH GASKETS.
19. ALL DEAD END MAINLINES TO BE CAPPED WITH BLIND FLANGE AND THRUST BLOCK. MINIMUM DISTANCE BETWEEN FLANGE AND FITTING TO BE FOUR (4') FEET.
20. CONTRACTOR TO INSTALL DRAIN VALVES WITH TWO-INCH SCHEDULE 40 PVC MAINLINE TO CREEK. L.I.C. TO COORDINATE AND RECIEVE APPROVAL FROM TOWN OF ADDISON.
21. PROVIDE AND INSTALL THRUST BLOCKS AT EACH CHANGE OF DIRECTION AND AT ALL VALVES PER THE MANUFACTURER'S RECOMMENDATION.
22. LANDSCAPE IRRIGATION COTNRACTOR TO PROVIDE ALL LABOR AND MATERIAL NECESSARY TO INSTALL FLOW METERS ON THE DISCHARGE SIDE OF THE BACKFLOW PREVENTER. THERE WILL BE A TOTAL OF SIX (6') FLOW METERS AND RAINMASTER EV-CAB 5EN SHIELDED FLOW METER CABLE FOR THIS PROJECT. L.I.C. TO INSTALL FLOW METERS IN 12"x17" PENTEK VALVE BOX.
23. LANDSCAPE IRRIGATION COTNRACTOR TO PROVIDE ALL LABOR AND MATERIAL NECESSARY TO INSTALL RAINMASTER EVOLUTION DX-2 SERIES CONTROLLER WITH STAINLESS STEEL PEDESTAL AND HEAVY DUTY TRANSIENT PROTECTION. L.I.C. TO INCLUDE BUT NOT LIMITED TO SUCH MATERIAL AS DX-Ø3 SENSOR BOARD, DX-PH PHONE COMMUNICATION, FLOW METER, SHIELDED FLOW METER CABLE, RAIN/ FREEZE SENSOR, AND DEDICATED TELEPHONE SERVICE. CONTACT BILL ROSSER WITH JOHN DEERE FOR ANY QUESTIONS.
24. TOWN OF ADDISON IRRIGATION SPECIFICATIONS DATED Ø5/31/Ø7 WILL SUPERCEDE THE PLANS, DETAILS, AND/OR SPECIFICATIONS FOR THIS PROJECT.
25. LANDSCAPE IRRIGATION CONTRACTOR (L.I.C.) TO STAKE DRIP TECHLINE AND RECEIVE APPROVAL FROM OWNER'S REPRESENTATIVE BEFORE INSTALLATION.
26. LANDSCAPE IRRIGATION CONTRACTOR (L.I.C.) TO PROVIDE DISTRIBUTION TUBING, STAKES, EMITTERS, TRANSFER FITTINGS, DIFFUSER BUG CAP, CONTROL ZONE KITS, TECHLINE FLAGS, ETC. NECESSARY FOR PROPER INSTALLATION OF THE BEDS. ALL PVC HEADER PIPING TO BE 1-1/4" CLASS 200 PVC SOLVENT WELD PIPE.
27. LANDSCAPE IRRIGATION CONTRACTOR (L.I.C.) TO INSERT ALL BARBED FITTINGS PER MANUFACTURER'S RECOMMENDATIONS.
28. ALL TECHLINE AND DISTRIBUTION TUBING TO BE INSTALLED AT FINISH GRADE AND BELOW MULCH LAYER. ALL TECHLINE TO BE INSTALLED ON ONE FOOT ROW SPACING. TUBING TO BE STAKED WITH NETAFIM STAPLES #TL96 SERIES. INSTALL STAKES AT 3'-Ø" ON CENTER ALONG LENGTH OF TUBING AND A MINIMUM OF 36" FROM ANY FITTINGS.
29. AIR/VACUUM RELIEF VALVES TO BE NETAFIM MODEL #TLAVRV INSTALLED IN A SIX-INCH (6") PENTEK ROUND VALVE BOX WITH BLACK LID.
30. LINE FLUSH VALVES TO BE NETAFIM MODEL #TLFV-1 INSTALLED IN A SIX-INCH (6") PENTEK ROUND VALVE BOX WITH BROWN LID AND GRAVEL SUMP.
31. LANDSCAPE IRRIGATION CONTRACTOR (L.I.C.) TO INCLUDE THE FOLLOWING ALLOWANCES FOR PROVIDING AND INSTALLING AIR RELIEF VALVES AND FLUSH VALVES FOR THE DRIP SYSTEM. EXACT QUANTITY AND LOCATION OF THESE DEVICES WILL BE DETERMINED AT THE TIME OF INSTALLATION. IN GENERAL, ALL AIR RELIEF VALVES WILL BE INSTALLED AT THE HIGH POINTS AND FLUSH VALVES WILL BE INSTALLED AT THE LOW POINTS. ALLOW FOR APPROXIMATELY ONE HUNDRED TWENTY FOUR (124) AIR RELIEF VALVES AND APPROXIMATELY ONE HUNDRED TWENTY FOUR (124) FLUSH VALVES FOR THIS PROJECT.
32. PROVIDE NETAFIM REPRESENTATIVE WITH A SOIL SAMPLE FOURTEEN (14) DAYS PRIOR TO BEGINNING OF THE PROJECT. NETAFIM TO TEST SOIL AND PROVIDE LANDSCAPE IRRIGATION CONTRACTOR WITH EXACT TECHLINE SPACING IN BED AREAS DUE TO SOIL SAMPLE RESULTS.
33. LANDSCAPE IRRIGATION CONTRACTOR (L.I.C.) TO HAND DIG WITHIN ALL EXISTING TREE ROOT ZONES. L.I.C. TO STAKE DITCH LOCATIONS AND RECIEVE APPROVAL FROM TOWN OF ADDISON AND LANDSCAPE ARCHITECT PRIOR TO DIGGING.
34. LANDSCAPE IRRIGATION CONTRACTOR (L.I.C.) TO INSTALL DRAIN VALVES ON PROPOSED FOUR-INCH MAINLINE. L.I.C. TO COORDINATE THESE LOCATIONS AND RECIEVE APPROVAL FROM TOWN OF ADDISON AND LANDSCAPE ARCHITECT PRIOR TO DIGGING. FOR BIDDING PURPOSES, ALLOW FOR FOUR (4) DRAIN VALVES.
35. LANDSCAPE IRRIGATION CONTRACTOR (L.I.C.) TO INSTALL RED UF-14GA. WIRE FOR STATION WIRES, WHITE UF-14GA. WIRE FOR COMMON WIRE, AND BLUE UF-14GA. WIRE FOR MASTER VALVE WIRE PER TOWN OF ADDISON. REFER TO SPECIFICATIONS FOR INSTALLATION.
36. LANDSCAPE IRRIGATION CONTRACTOR (L.I.C.) TO INSTALL ALL VALX BOX WIRE SPLICES IN 12"x17" PENTEK VALVE BOX WITH GREEN LID. L.I.C. TO INSTALL ALL FIELD SPLICES IN 10" ROUND PENTEK VALVE BOX WITH GREEN LID.
37. LANDSCAPE IRRIGATION CONTRACTOR (L.I.C.) TO PROVIDE A 36"x36"x6" CONCRETE PAD FOR ALL PEDESTAL MOUNT CONTROLLERS. PAD TO BE SET 3" ABOVE FINAL GRADE PER TOWN OF ADDISON. L.I.C. TO TO COORDINATE THESE LOCATIONS AND RECIEVE APPROVAL FROM TOWN OF ADDISON PRIOR TO INSTALLING.
38. THE IRRIGATION SYSTEM IS DESIGNED TO OPERATE 200 GALLONS PER MINUTE. L.I.C. TO COORDINATE THE ZONING OF THE PARK SYSTEM AND RECIEVE APPROVAL FROM TOWN OF ADDISON PRIOR TO SECTIONING.
39. FOR ANY QUESTIONS REGARDING THE SPECIFICATIONS OR RAINMASTER CONTROLLER, CONTACT RON LEE WITH THE TOWN OF ADDISON AT 972-672-1811.

IRRIGATION LEGEND:

SYMBOL	DESCRIPTION	MANUFACTURER	MODEL NO.
●	LAWN SPRAY HEAD	RAINBIRD (30 PSI)	1804 WITH U-SERIES PLASTIC NOZZLES UNLESS NOTED OTHERWISE
⊘	HIGH-POP SPRAY HEAD	RAINBIRD (30 PSI)	1812 WITH U-SERIES PLASTIC NOZZLES UNLESS NOTED OTHERWISE
⊕	TREE BUBBLER HEAD	HUNTER (30 PSI)	#1804 W/ HUNTER PCN-10 NOZZLE UNLESS OTHERWISE NOTED
◕	TREE BUBBLER HEAD	HUNTER (30 PSI)	#1804 W/ HUNTER PCN-10 NOZZLE UNLESS OTHERWISE NOTED
■	LAWN CENTER STRIP HEAD	RAINBIRD (30 PSI)	1804 W/ #1566TT NOZZLE
□	LAWN END STRIP HEAD	RAINBIRD (30 PSI)	1804 W/ #15RCS OR #15LCS NOZZLE
◪	HIGH-POP CENTER STRIP HEAD	RAINBIRD (30 PSI)	1812 W/ #1566TT NOZZLE
◧	HIGH-POP END STRIP HEAD	RAINBIRD (30 PSI)	1812 W/ #15RCS OR #15LCS NOZZLE
⊕	SMALL ROTARY	HUNTER (40 PSI)	PGJ-4 W/ #2.5 NOZZLE
◑	SMALL ROTARY PART-CIRCLE	HUNTER (40 PSI)	I-20-4 W/ #2.0 NOZZLE
⊕	SMALL ROTARY PART-CIRCLE	HUNTER (40 PSI)	I-20-12 W/ #2.0 NOZZLE
ⓘ	ROTARY PART-CIRCLE	HUNTER (40 PSI)	I-20-4 W/ #4.0 NOZZLE
⊙	ROTARY FULL-CIRCLE	HUNTER (40 PSI)	I-20-4 W/ #8.0 NOZZLE
⊙	ROTARY PART-CIRCLE	HUNTER (40 PSI)	I-20-12 W/ #4.0 NOZZLE
◉	ROTARY FULL-CIRCLE	HUNTER (40PSI)	I-20-12 W/ #8.0 NOZZLE
▲	QUICK COUPLING VALVE	BUCKNER	#VQ75-DNP WITH SPEARS BALL VALVE, PURPLE LID READS "NON-POTABLE, NOT SAFE FOR DRINKING" IN ENGLISH AND SPANISH.
⊙	REMOTE CONTROL VALVE	IRRITROL	200B OMNI REG WITH SPEARS BALL VALVE AND HUNTER SVC CONTROLLER, REFER TO PLANS FOR SIZE AND LOCATION
⊙	REMOTE CONTROL VALVE	IRRITROL	200B OMNI REG WITH SPEARS BALL VALVE REFER TO PLANS FOR SIZE AND LOCATION
⊘	BALL VALVE	SPEARS	COMPACT "T-HANDLE"- LINE SIZE
●	GATE VALVE	MATCO	#1ØRT SERIES - LINE SIZE
▬	CONTROLLER	RAINMASTER	EVOLUTION DX-2 SERIES WITH MINICLIK RAIN/FREEZE SENSOR
— —	MAINLINE PIPING	REFER TO SPEC.	4" AND LARGER - CLASS 200 PVC-GASKET JOINTS 3" AND 2-1/2" - CLASS 200 PVC-SOLVENT WELD JOINTS 2" AND SMALLER - SCHEDULE 40 PVC-SOLVENT WELD JOINTS
———	LATERAL PIPING	REFER TO SPEC.	3/4" & LARGER - CLASS 200 PVC 1/2" - CLASS 315 PVC
———	DISTRIBUTION TUBING	NETAFIM	POLYETHYLENE TUBING W/ TL96 SOIL STAPLES
◕	REMOTE CONTROL DRIP VALVE	NETAFIM	#LVCZ1ØØ75-HF LOW VOLUME CONTROL ZONE KIT W/ BALL VALVE AND HUNTER SVC CONTROLLER, REFER TO PLAN FOR LOCATION
⊙	REMOTE CONTROL DRIP VALVE	NETAFIM	#LVCZ1ØØ75-HF LOW VOLUME CONTROL ZONE KIT W/ BALL VALVE, REFER TO PLAN FOR LOCATION
⋮⋮⋮⋮⋮⋮⋮	PLANTING BED TECHLINE TUBING	NETAFIM	TLCV9-12 WITH TECHLINE BARBED FITTINGS, TL96 SOIL STAPLES, AND 10-F-Ø1 TECHLINE FLAGS
⋀⋀	BACKFLOW PREVENTER	WATTS	#ØØ1M SERIES, REFER TO PLANS FOR SIZE
Ⓦ	WATER METER	REFER TO SPEC.	PER LOCAL BUILDING CODE
Ⓘ	ISOLATION VALVE	NIBCO	#T-113 SERIES, REFER TO PLANS FOR SIZE
Ⓨ	WYE STRAINER	FEBCO	#65Ø SERIES, REFER TO PLANS FOR SIZE
Ⓕ	FLOW METER	DATA INDUSTRIAL	#F8-1P SERIES, REFER TO PLANS FOR SIZE
Ⓜ	MASTER VALVE	IRRITROL	200B SERIES, REFER TO PLAN FOR SIZE
▭ ▭ ▭	STATION NUMBER VALVE SIZE GPM (APPROX.)		

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STATE OF TEXAS
SETH A. HEIDMAN
5881
LICENSED IRRIGATOR
4-26-10

NO.	REVISION	BY	DATE

Addison

TOWN OF ADDISON
DALLAS COUNTY, TEXAS

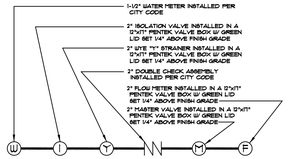
PARK IMPROVEMENTS
VITRUVIAN PARK

PARKWAY & PARK IRRIGATION DETAIL PLAN

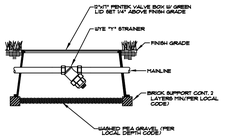
IRRI*TECH LLC.
Irrigation Technology
12650 Schroeder Rd.
Dallas, Texas 75243
Phone (972) 231-5151
Fax (972) 231-5172

PROJECT	DESIGN	DRAWN	DATE	FILE	SHEET
5029-01	SAH	ASH	APR 26 2010	PW # 2009-04	IR-24

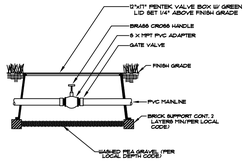
PARK AND STREETSCAPE IMPROVEMENTS - VITRUVIAN PARK



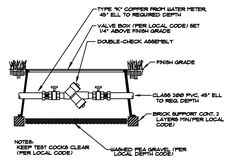
WATER SOURCE LAYOUT



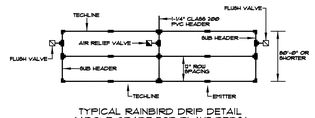
WYE "Y" STRAINER



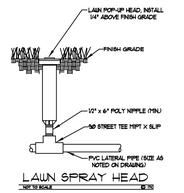
ISOLATION VALVE



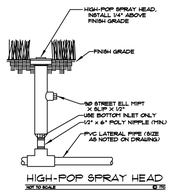
DOUBLE CHECK ASSEMBLY



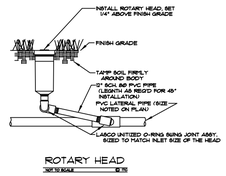
TYPICAL RAINBIRD DRIP DETAIL
(ABOVE GRADE FOR PLANT BEDS)



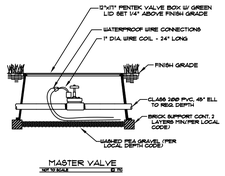
LAWN SPRAY HEAD



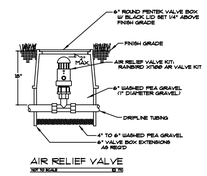
HIGH-POP SPRAY HEAD



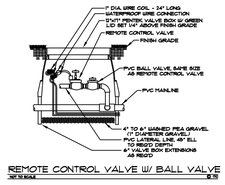
ROTARY HEAD



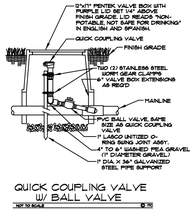
MASTER VALVE



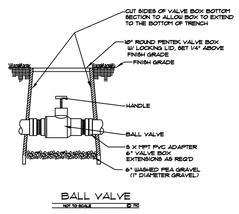
AIR RELIEF VALVE



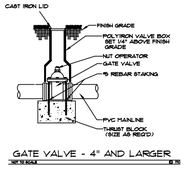
REMOTE CONTROL VALVE W/ BALL VALVE



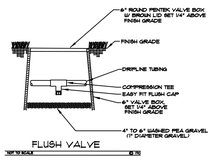
QUICK COUPLING VALVE
W/ BALL VALVE



BALL VALVE



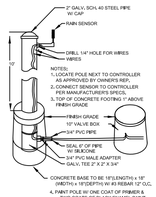
GATE VALVE - 4" AND LARGER



FLUSH VALVE

PIPE SIZE CHART

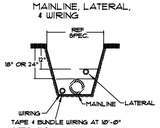
FLOW/GPM:	PIPE SIZE:
0 - 4.0	1/2"
4.1 - 9.5	3/4"
9.6 - 14.5	1"
14.6 - 27.0	1-1/4"
27.1 - 35.0	1-1/2"
35.1 - 55.0	2"
55.1 - 70.0	2-1/2"
70.1 - 110.0	3"
110.1 - 190.0	4"



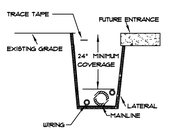
NOTES:
1. LOCATE POLE NEXT TO CONTROLLER AS APPROVED BY OWNER'S REP.
2. CONNECT SENSOR TO CONTROLLER PER MANUFACTURER'S SPECS.
3. TOP OF CONCRETE FOOTING 1" ABOVE FINISH GRADE
4. PAINT POLE W/ ONE COAT OF PRIMER & TWO COATS OF BLACK ENAMEL PAINT AS APPROVED BY OWNER'S REP.

CONCRETE BASE TO BE 18"(LENGTH) x 18" (WIDTH) x 18"(DEPTH) W/ #3 REBAR 12" O.C.

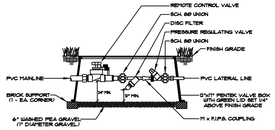
RAIN SENSOR



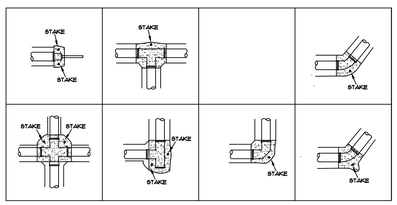
TRENCHING DETAIL



TRENCH DEPTH AT
FUTURE ENTRANCES

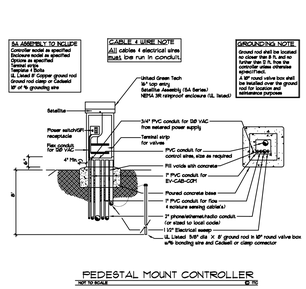


REMOTE CONTROL DRIP ZONE KIT



1. WRAP ALL FITTINGS W/ 3 MIL PLASTIC PRIOR TO INSTALLATION OF THRUST BLOCK.
2. INSTALL 2"x 48" SCHEDULE 40 BLACK STEEL STAKE AT EACH THRUST BLOCK. STAKE TO EXTEND MINIMUM OF 24" INTO UNDISTURBED SOIL. TOP OF STAKE TO BE MAXIMUM OF 6" ABOVE TOP OF THRUST BLOCK. POUR CONCRETE THRUST BLOCK AROUND STAKE AND AGAINST UNDISTURBED SOIL.

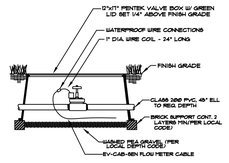
4" AND LARGER MAINLINE
CONCRETE THRUST BLOCK DETAIL



PEDESTAL MOUNT CONTROLLER

RADIUS LEGEND

F = 360°
E = 270°
D = 240°
C = 225°
H = 180°
B = 135°
A = 120°
Q = 90°
V = VARIABLE / ADJUSTABLE



NOTE:
THE IRRIGATION CONTRACTOR MUST PURCHASE FROM THE FACTORY AND INSTALL THE HUNTER SV-CAB-SEN FLOW METER CABLE AND INSTALLATION CONTINUOUS 3/4" OR LARGER GREAT PVC CONDUIT WITH 6 INCH OR LARGER RADIUS SWEEPS. ANY AND REST CONDUIT SHALL BE SCHEDULE 40 PVC. NO 90° ELBOWS ONLY SWEEP FITTINGS ARE PERMITTED.

FLOW METER

IRRIGATION LEGEND:

SYMBOL	DESCRIPTION
●	LAWN SPRAY HEAD
⊘	HIGH-POP SPRAY HEAD
⊕	TREE BUBBLER HEAD
◔	TREE BUBBLER HEAD
■	LAWN CENTER STRIP HEAD
□	LAWN END STRIP HEAD
◪	HIGH-POP CENTER STRIP HEAD
◧	HIGH-POP END STRIP HEAD
⊕	SMALL ROTARY
◑	SMALL ROTARY PART-CIRCLE
⊕	SMALL ROTARY PART-CIRCLE
◐	ROTARY PART-CIRCLE
⊙	ROTARY FULL-CIRCLE
◎	ROTARY PART-CIRCLE
◉	ROTARY FULL-CIRCLE
▲	QUICK COUPLING VALVE
|O|	REMOTE CONTROL VALVE
Ō	BALL VALVE
●	GATE VALVE
▬	CONTROLLER
— —	MAINLINE PIPING
———	LATERAL PIPING
———	DISTRIBUTION TUBING
|RD|	REMOTE CONTROL DRIP VALVE
⋮⋮⋮⋮⋮	PLANTING BED TECHLINE TUBING
NN	BACKFLOW PREVENTER
Ⓦ	WATER METER
Ⓘ	ISOLATION VALVE
Ⓨ	WYE STRAINER
Ⓕ	FLOW METER
Ⓜ	MASTER VALVE
1	STATION NUMBER VALVE SIZE GPM (APPROX.)

STATE OF TEXAS
SETH A. HEIDMAN
5881
LICENSED IRRIGATOR
4-26-10

NO.	REVISION	BY	DATE

Addison

TOWN OF ADDISON
DALLAS COUNTY, TEXAS

PARK IMPROVEMENTS
VITRUVIAN PARK

PARKWAY & PARK IRRIGATION DETAIL PLAN

IRRI*TECH LLC.
Irrigation Technology
12650 Schroeder Rd.
Dallas, Texas 75243
Phone (972) 231-5151
Fax (972) 231-5172

PROJECT	DESIGN	DRAWN	DATE	FILE	SHEET
5029-01	SAH	ASH	APR 26 2010	PW # 2009-04	IR-25

PARK AND STREETSCAPE IMPROVEMENTS - VITRUVIAN PARK

Irrigation in Texas is regulated by the Texas Commission of Environmental Quality (TCEQ), MC-178, P.O. Box 13087, Austin, Texas, 78711-3087. TCEQ website is: www.tceq.state.tx.us

CODES AND DESIGN SPECIFICATIONS:

1. BUILDING CODE: 2006 EDITION OF THE INTERNATIONAL BUILDING CODE.
2. SUPPLEMENTAL CODES AND REFERENCES TO BE USED FOR DESIGN, DETAILING AND CONSTRUCTION ARE:
   A. "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE" (ACI 318–05).
   B. "SPECIFICATION FOR STRUCTURAL CONCRETE FOR BUILDINGS" (ACI 301–05).
   C. "STEEL CONSTRUCTION MANUAL" (AISC, THIRTEENTH EDITION).
   D. "NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION" (2005).
3. AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS LRFD BRIDGE DESIGN SPECIFICATIONS 2007 4TH EDITION.

DESIGN LIVE LOADING:

1. ALL PUBLIC ACCESS & GATHERING AREAS ..... 100 PSF
2. WIND 3 SEC. GUST EXPOSURE B ..... 90 MPH
3. SEISMIC SITE CLASSIFICATION C
4. SPECTRAL RESPONSE ACCELERATION (Ss, S1) 0.125, 0.052

CONCRETE MIX DESIGNS:

1. PROVIDE NORMAL WEIGHT CONCRETE HAVING THE FOLLOWING MINIMUM 28 DAY COMPRESSIVE STRENGTHS AND GENERAL CHARACTERISTICS:

USAGE	MIN. 28 DAY COMPRESSIVE STRENGTH
ALL	4,000 PSI

2. MINIMUM CONCRETE 28 DAY COMPRESSIVE STRENGTH SHALL BE BASED ON HISTORICAL PERFORMANCE DATA FROM THE SELECTED TRANSIT MIX CONCRETE SUPPLIER AND APPROVED BY THE ENGINEER.
3. IT SHALL BE THE RESPONSIBILITY OF THE CONCRETE SUPPLIER TO SELECT THE PROPER TYPE OF PORTLAND CEMENT (INCLUDING QUANTITIES), AGGREGATES (INCLUDING QUANTITIES) AND WATER CEMENT RATIO TO PRODUCE THE REQUIRED MINIMUM 28 DAY COMPRESSIVE STRENGTHS.
4. IT SHALL BE THE RESPONSIBILITY OF THE CONCRETE SUPPLIER TO RECOMMEND ANY ENHANCING AGENTS OR ADMIXTURES TO PROVIDE A WORKABLE AND DURABLE PRODUCT.
5. IT SHALL BE THE RESPONSIBILITY OF THE CONCRETE SUPPLIER TO COORDINATE WITH THE GENERAL CONTRACTOR FOR ANY ADJUSTMENTS WHICH MAY BE NECESSARY TO PROVIDE FOR HIGH EARLY STRENGTHS TO FACILITATE AND ELIMINATE DELAYS IN CONSTRUCTION.
6. IT SHALL BE THE RESPONSIBILITY OF THE CONCRETE SUPPLIER TO COORDINATE WITH THE GENERAL CONTRACTOR FOR ANY ADJUSTMENTS WHICH MAY BE NECESSARY TO PROVIDE FOR HOT WEATHER OR COLD WEATHER CONCRETING PRECAUTIONS.

CONCRETE REINFORCEMENT:

1. REINFORCING STEEL SHALL BE NEW DEFORMED BILLET STEEL CONFORMING TO A.S.T.M. A–615, GRADE 60.
2. ALL REINFORCING STEEL IN THE LAKE EDGE WALL, WIERS, PEDESTRIAN BRIDGES, & GROTTO SHALL BE EPOXY COATED.
3. REINFORCING BARS SHALL BE DETAILED IN ACCORDANCE WITH THE A.C.I. DETAILING MANUAL. PROVIDE BAR SUPPORTS AND SPACERS AS REQUIRED.
4. PROVIDE CORNER BARS AT ALL INTERSECTING REINFORCING MEMBERS IN WALLS AND BEAMS. CORNER BARS SHALL BE THE SAME SIZE AS THE LARGER INTERSECTING BAR AND SHALL PROVIDE A MINIMUM LAP OF 30 BAR DIAMETERS.
5. THE FOLLOWING MINIMUM CONCRETE COVER SHALL BE PROVIDED FOR REINFORCEMENT:
   A. CONCRETE SLABS–ON–GRADE ..... 1½" CLEAR
   B. STRUCTURAL SLABS ..... 2" CLEAR
   C. PIERS ..... 3" CLEAR
   D. PILASTERS ..... 1½" CLEAR
5. DETAILING OF REINFORCING BARS IN BEAMS SHALL BE AS FOLLOWS:
   A. TOP AND BOTTOM BARS TO BE CONTINUOUS BETWEEN SUPPORTS.
   B. TOP BARS AT THE ENDS OF BEAMS TO HAVE STANDARD 90 DEGREE HOOKS.
   C. SPLICE TOP BARS AT THE MIDSPAN BETWEEN SUPPORTS. (U.N.O.)
   D. SPLICE BOTTOM BARS DIRECTLY OVER SUPPORTS. (U.N.O.)
   E. ALTERNATE SPLICES IN MIDDLE BARS BETWEEN SUPPORTS AND MIDSPANS WITH NO MORE THAN 1/2 OF THE BARS SPLICED AT ANY ONE LOCATION.
   F. ALL BAR SPLICES SHALL BE 30 BAR DIAMETERS MINIMUM.

STRAIGHT SHAFT PIER NOTES:

1. STRAIGHT SHAFT PIER DESIGN IS BASED ON AN ALLOWABLE VALUE OF 18,000 PSF END BEARING AND 2,000 PSF SIDE FRICTION AS RECOMMENDED IN THE SUBSURFACE REPORT PREPARED BY GEOTEL ENGINEERING, INC. THEIR REPORT NO. E07–312, DATED DECEMBER 3, 2007.
2. DRILLED PIERS SHALL BE FOUNDED A MINIMUM OF 2' INTO THE GRAY UNWEATHERED SHALE BEARING STRATA AS IDENTIFIED BY THE GEOTECH ENGINEER.
3. BOTTOM OF ALL PIER HOLES SHALL BE SMOOTH, DRY AND FREE OF ALL LOOSE MATERIAL BEFORE PLACING CONCRETE.
4. THE CONTRACTOR SHALL VERIFY THE DEPTH OF THE PIER PRIOR TO CUTTING PIER REINFORCING CAGES. PIER STEEL SHALL BE DELIVERED TO THE JOBSITE IN STANDARD LENGTHS AND CUT AS REQUIRED. 30 BAR DIAMETER LAPS WILL BE ALLOWED IN THE PIER STEEL IF NO MORE THAN 50 PERCENT OF THE BARS ARE LAPPED IN ANY 8 FOOT LENGTH OF THE PIER.
5. REINFORCING STEEL SHOP DRAWINGS SHALL INDICATE PLACING DRAWINGS FOR TEMPLATES TO SET DOWELS AND ANCHOR BOLTS. REINFORCING CAGES SHALL BE ADEQUATELY SUPPORTED TO PROVIDED CLEARANCES INDICATED ON THE DRAWINGS.
6. PIER HOLES SHALL BE CONCRETED WITHIN 8 HOURS OF DRILLING.
7. IF SUBSURFACE WATER CONDITIONS ARE SUCH THAT THE PIER HOLES CANNOT BE INSTALLED IN THE DRY CONDITION, THE CONTRACTOR SHALL INSTALL TEMPORARY CASING TO CONTROL WATER INTRUSION.

STRUCTURAL STEEL:

1. STRUCTURAL STEEL SHALL CONFORM TO THE A.I.S.C. "STEEL CONSTRUCTION MANUAL", THIRTEENTH EDITION.
2. WELDED CONNECTIONS SHALL CONFORM TO THE LATEST REVISED CODE OF THE AMERICAN WELDING SOCIETY. WELDING ELECTRODES SHALL CONFORM TO AWS A5.1 OR A5.5 FOR SERIES #E70 ELECTRODES.
3. BOLTS AND BOLTED CONNECTIONS SHALL CONFORM TO THE REQUIREMENTS OF THE "SPECIFICATIONS" FOR STRUCTURAL JOINTS USING A.S.T.M. A–325 BOLTS OR A490 BOLTS, AS APPROVED BY THE RESEARCH COUNCIL ON RIVETED AND BOLTED JOINTS USING ASTM A–325 BOLTS. USE BEARING TYPE BOLTS WITH THREADS EXCLUDED FROM THE SHEAR PLANE.
4. IN GENERAL, IT IS THE INTENT OF THESE PLANS AND SPECIFICATIONS THAT ALL SHOP CONNECTIONS ARE TO BE WELDED OR BOLTED AND ALL FIELD CONNECTIONS ARE TO BE BOLTED EXCEPT WHERE NOTED ON THE DRAWINGS OTHERWISE.
5. STRUCTURAL STEEL SHAPES, PLATES, ETC., SHALL CONFORM TO THE FOLLOWING MINIMUM REQUIREMENTS:
   A. W SHAPE ..... ASTM A992, Fy = 50ksi
   B. RECTANGULAR HSS ..... ASTM A500 Gr.B, Fy = 46ksi
   C. ROUND HSS ..... ASTM A500 Gr.B, Fy = 42ksi
   D. PIPE ..... ASTM A53 Gr.B, Fy = 35ksi
   E. M,S,C,MC,L ..... ASTM A36, Fy = 36ksi
   F. HP ..... ASTM A572 Gr. 50, Fy = 50ksi
   G. PLATES & BARS..... ASTM A572 Gr. 50, Fy = 50ksi
6. ALL BEAM CONNECTIONS SHALL BE STANDARD DOUBLE ANGLE TYPE UNLESS DETAILED OTHERWISE. PLATE SIZES, NUMBER AND SIZE OF BOLTS FOR FIELD CONNECTIONS SHALL BE DESIGNED BY THE FABRICATOR. DESIGN STANDARD CONNECTIONS USING 55% OF THE TOTAL LOAD CAPACITY SHOWN IN THE BEAM TABLES, PART 3, THIRTEENTH EDITION OF THE A.I.S.C. CODE FOR GIVEN BEAM SPAN IF THE SHEAR IS NOT GIVEN. IN NO CASE SHALL THE MINIMUM NUMBER OF BOLTS BE LESS THAN 2 ROWS FOR W12 & SMALLER, 3 ROWS FOR W14, W16, & W18, 4 ROWS FOR W21 AND W24, 5 ROWS FOR W27 & W30 AND 6 ROWS FOR W33 AND W36.
7. PROVIDE A PRIME COAT OF RED OXIDE PAINT TO ALL STRUCTURAL STEEL PRIOR TO SHIPMENT.
8. ALL SCARRED, MARRED, OR OTHERWISE DAMAGED PAINT SHALL BE TOUCHED UP AFTER COMPLETION OF CONSTRUCTION.
9. PROVIDE WEB STIFFENERS TO ALL BEAMS AT SUPPORT LOCATIONS. WELD STIFFENERS TO EACH SIDE OF BEAM CENTERED DIRECTLY ABOVE SUPPORT. MIN. PLATE THICKNESS IS ¼".

FINISHES:

1. LAKE EDGE WALL OUTSIDE FORM FOR UPPER 4'–0" SHALL BE FORMED WITH MEDIUM DENSITY OVERLAY PLYWOOD.
2. UPPER 2'–0" & CAP OF LAKE EDGE WALL SHALL BE SAND BLASTED IN THE SAME MANNER AS THE APPROVED MOCK–UP AVAILABLE AT THE SITE.
3. ALL SITE WALLS THAT ARE EXPOSED CONCRETE SHALL BE FORMED AND FINISHED IN THE SAME MANNER AS THE LAKE EDGE WALL.
4. ALL SITE EXPOSED CONCRETE WALKS SHALL HAVE A ROCK SALT FINISH TO MATCH THE APPROVED MOCK–UP AVAILABLE AT THE SITE.

STONE VENEER:

1. ALL STONE VENEER SHALL BE IMPORTED BLUE/GREEN (COLOR) CHINESE STONE OR BLUE/GRAY PENNSYLVANIA.
2. THE THICKNESS OF STONE VENEER SHALL BE 3 CM.
3. THE FINISH SURFACE OF THE STONE SHALL BE FLAMED (THERMAL).
4. TOP AND BOTTOM EDGES OF VENEER SHALL BE SAW CUT, SIDES SHALL BE CHOPPED, SNAPPED OR SAW CUT.
5. LENGTH OF STONE SHALL BE AS FOLLOWS:
   A. FLAT SURFACE – VARY LENGTHS FROM 5" TO 21".
   B. CURVED SURFACE (r<= 20'–0") VARY LENGTHS FROM 5" TO 13".
   C. CURVED SURFACE (r<= 38'–0") VARY LENGTHS FROM 5" TO 16".
6. ALL VENEER COURSES SHALL BE 4".
7. MORTAR JOINTS SHALL BE AS SMALL AS POSSIBLE NOT TO EXCEED ¼".
8. MORTAR SHALL BE ACID–R, FROST PROOF; COLOR TO BE SELECTED BY LANDSCAPE ARCHITECT.
9. VENEER SHALL BE APPLIED TO SURFACES W/ EPOXY BASED MASTIC SUCH AS "LATTICRETE" OR APPROVED EQUIVALENT. MASTIC SHALL BE FROST PROOF.
10. ALL SURFACES TO RECEIVE STONE VENEER SHALL BE CLEAN, DRY AND FREE OF ALL DELETERIOUS SUBSTANCES.
11. COURSING AND RANDOM LENGTH PATTERN SHALL MATCH APPROVED ON–SITE MOCK UP.
12. CONTRACTOR, AT CONTRACTOR'S EXPENSE, SHALL PREPARE A MOCK–UP TO DEMONSTRATE PROFICIENCY IN MATCHING THE APPROVED MOCK UP PRIOR TO COMMENCEMENT OF THE WORK.

STATE OF TEXAS
VICTOR LISSIAK, JR.
30565
LICENSED PROFESSIONAL ENGINEER
04/26/10

TEXAS FIRM REG. # F-2658

ISSUED FOR CONSTRUCTION 04/26/10

NO.	REVISION	BY	DATE

Addison

TOWN OF ADDISON
DALLAS COUNTY, TEXAS

PARK AND STREETSCAPE IMPROVEMENTS
VITRUVIAN PARK

GENERAL NOTES

VIEWTECH INC.
Structural Engineers
4205 Beltway Dr. - Addison, Texas 75001
(972) 661-8187 Fax (972) 661-8172

PROJECT	DESIGN	DRAWN	DATE	FILE	SHEET
5029–01	VL	NERF	APRIL 26 2010	PW#2009–04	SP100

RE: SP402
FOR FORD

REFERENCE OTHER FOR
LAKE EDGE WALL DETAIL

EXIST.
555.00'

EXIST.
556.00'

EXIST.
557.00'

EXIST.
558.00'

01 PARTIAL PARK PLAN
1/16"=1'-0"

1/16" = 1'-0"
NORTH

STATE OF TEXAS
VICTOR LISSIAK, JR.
30535
LICENSED
PROFESSIONAL ENGINEER
04/26/10

TEXAS FIRM REG. # F-2658

ISSUED FOR CONSTRUCTION 04/26/10

NO.	REVISION	BY	DATE

Addison TOWN OF ADDISON
DALLAS COUNTY, TEXAS

PARK AND STREETSCAPE IMPROVEMENTS
VITRUVIAN PARK

PARTIAL PLAN VIEW

VIEWTECH INC.
Structural Engineers
4205 Beltway Dr. - Addison, Texas 75001
(972) 661-8187 Fax (972) 661-8172

PROJECT	DESIGN	DRAWN	DATE	FILE	SHEET
5029-01	VL	NERF	APRIL 26 2010	PW#2009-04	SP200

RE: SP318/05 & 06
TYP. STAIR SECTIONS

RE: SP321
FOR GROTTO

RE: SP318/05 & 06
TYP. STAIR SECTIONS

RE: SP406
FOR FORD

T.O. PIER
542.50'

T.O. PIER
542.50'

SP301/01

SP305/02

SP305/03

SP305/05

RE: SP300/02

OPP. HAND
SP305/05

SP305/04

SP301/01

SP305/01

SP305/03

OPP. HAND
SP305/02

RE: SP318/05 & 06
TYP. STAIR SECTIONS

RE: SP300/04
FOR LIGHTING
FOUNDATION

SP300/07

T.O. PIER
542.50'

RE: SP405
FOR WEIR

RE: SP402
FOR FORD

T.O. PIER
542.50'

T.O. PIER
541.25'

T.O. PIER
542.50'

T.O. PIER
541.25'

RE: SP405
FOR WEIR
SIM.

REFERENCE OTHER FOR
LAKE EDGE WALL DETAIL

FFE(O)=559.25

GROTTO

AMPHITHEATER

ISLAND

SPLANADE

01 PARTIAL PARK PLAN
1/16"=1'-0"

1/16" = 1'-0"
NORTH

STATE OF TEXAS
VICTOR LISSIAK, JR.
30555
LICENSED
PROFESSIONAL ENGINEER
04/26/10

TEXAS FIRM REG. # F-2658

ISSUED FOR CONSTRUCTION 04/26/10

NO.	REVISION	BY	DATE

TOWN OF ADDISON
DALLAS COUNTY, TEXAS

PARK AND STREETSCAPE IMPROVEMENTS
VITRUVIAN PARK

PARTIAL PLAN VIEW

VIEWTECH INC.
Structural Engineers
4205 Beltway Dr. - Addison, Texas 75001
(972) 661-8187 Fax (972) 661-8172

PROJECT	DESIGN	DRAWN	DATE	FILE	SHEET
5029-01	VL	NERF	APRIL 26 2010	PW#2009-04	SP201

SP305/03
SP305/05
SP305/04
OPP. HAND SP305/05
SP305/01
SP305/03
OPP. HAND SP305/01
SP301/01
RE: SP300/02
SP301/01
SP301/01
T.O. PIER 542.50'
T.O. PIER 541.25'
RE: SP405 FOR WEIR SIM.
RE: SP401 FOR FORD
SP300/05
RE: SP300/02
T.O. PIER 541.25'
SP300/07
T.O. PIER 542.50'
RE: SP405 FOR WEIR
RE: SP402 FOR FORD
T.O. PIER 542.50'
T.O. PIER 541.25'
REFERENCE OTHER FOR LAKE EDGE WALL DETAIL
REFERENCE OTHER FOR LAKE EDGE WALL DETAIL

01 PARTIAL PARK PLAN
1/16"=1'-0"

1/16" = 1'-0"
NORTH

STATE OF TEXAS
VICTOR LISSIAK, JR.
30535
LICENSED PROFESSIONAL ENGINEER
04/26/10

TEXAS FIRM REG. # F-2658

ISSUED FOR CONSTRUCTION 04/26/10

NO.	REVISION	BY	DATE

Addison

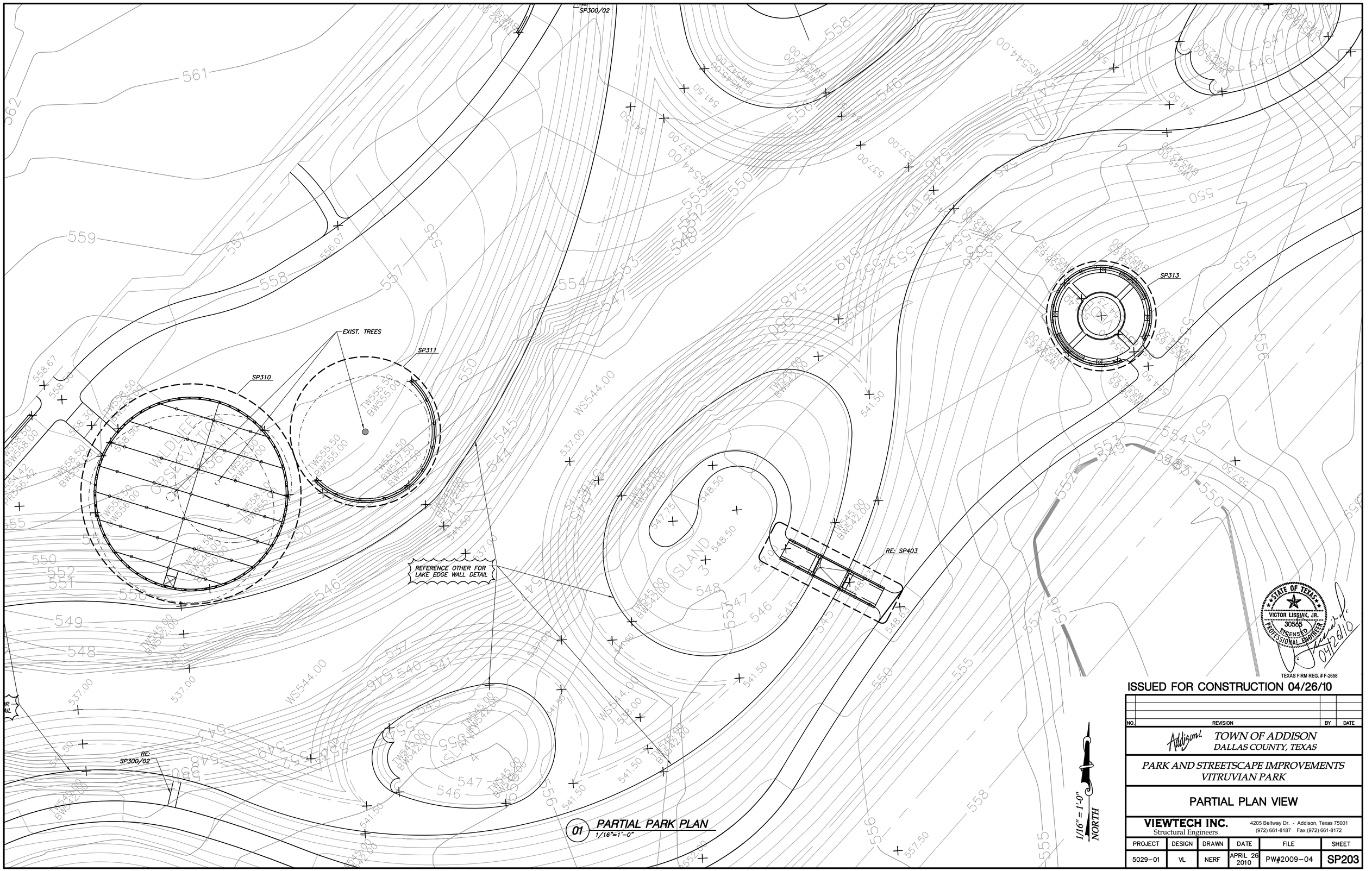
TOWN OF ADDISON
DALLAS COUNTY, TEXAS

PARK AND STREETSCAPE IMPROVEMENTS
VITRUVIAN PARK

PARTIAL PLAN VIEW

VIEWTECH INC.
Structural Engineers
4205 Beltway Dr. - Addison, Texas 75001
(972) 661-8187 Fax (972) 661-8172

PROJECT	DESIGN	DRAWN	DATE	FILE	SHEET
5029-01	VL	NERF	APRIL 26 2010	PW#2009-04	SP202



01 PARTIAL PARK PLAN
1/16"=1'-0"

1/16" = 1'-0"

STATE OF TEXAS
VICTOR LISSIAK, JR.
30555
LICENSED PROFESSIONAL ENGINEER
04/26/10

TEXAS FIRM REG. # F-2658

ISSUED FOR CONSTRUCTION 04/26/10

NO.	REVISION	BY	DATE

Addison TOWN OF ADDISON
DALLAS COUNTY, TEXAS

PARK AND STREETSCAPE IMPROVEMENTS
VITRUVIAN PARK

PARTIAL PLAN VIEW

VIEWTECH INC.
Structural Engineers
4205 Beltway Dr. - Addison, Texas 75001
(972) 661-8187 Fax (972) 661-8172

PROJECT	DESIGN	DRAWN	DATE	FILE	SHEET
5029-01	VL	NERF	APRIL 26 2010	PW#2009-04	SP203

RE: SP315

SP300/01

REFERENCE OTHER FOR LAKE EDGE WALL DETAIL

RE: SP300/02

RE: SP500/02

T.O. PIER 540.00

SP302/01

SP303/03

SP303/04

SP303/01

EXIST. 569.98'

EXIST. 569.27'

RE: SP317/02

SP303/02

LOWER CIRCULATION SYSTEM PAD
RE: MECH PLANS.

O.H. SP303/03

RE: SP317/01

EXISTING STRUCTURE

SP303/03 O.H.

T.O. PIER 538.00

SP303/05

SP303/06

O.H. SP303/06

SP303/04

SP303/02

O.H. SP303/01

SP300/05

SP302/01

T.O. PIER 538.00

SP303/01 O.H.

SP301/02

SP301/01

RE: SP316

01 PARTIAL PARK PLAN
1/16"=1'-0"

1/16" = 1'-0"
NORTH

STATE OF TEXAS
VICTOR LISSIAK, JR.
30535
LICENSED PROFESSIONAL ENGINEER
04/26/10

TEXAS FIRM REG. # F-2658

ISSUED FOR CONSTRUCTION 04/26/10

NO.	REVISION	BY	DATE
4	PIER SUPPORTED LAKE EDGE WALL	VL	04-05-11
3	PIER SUPPORTED LAKE EDGE WALL	VL	02-18-11
2	PIER SUPPORTED LAKE EDGE WALL	VL	9-10-10

Addison TOWN OF ADDISON
DALLAS COUNTY, TEXAS

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VITRUVIAN PARK

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Structural Engineers
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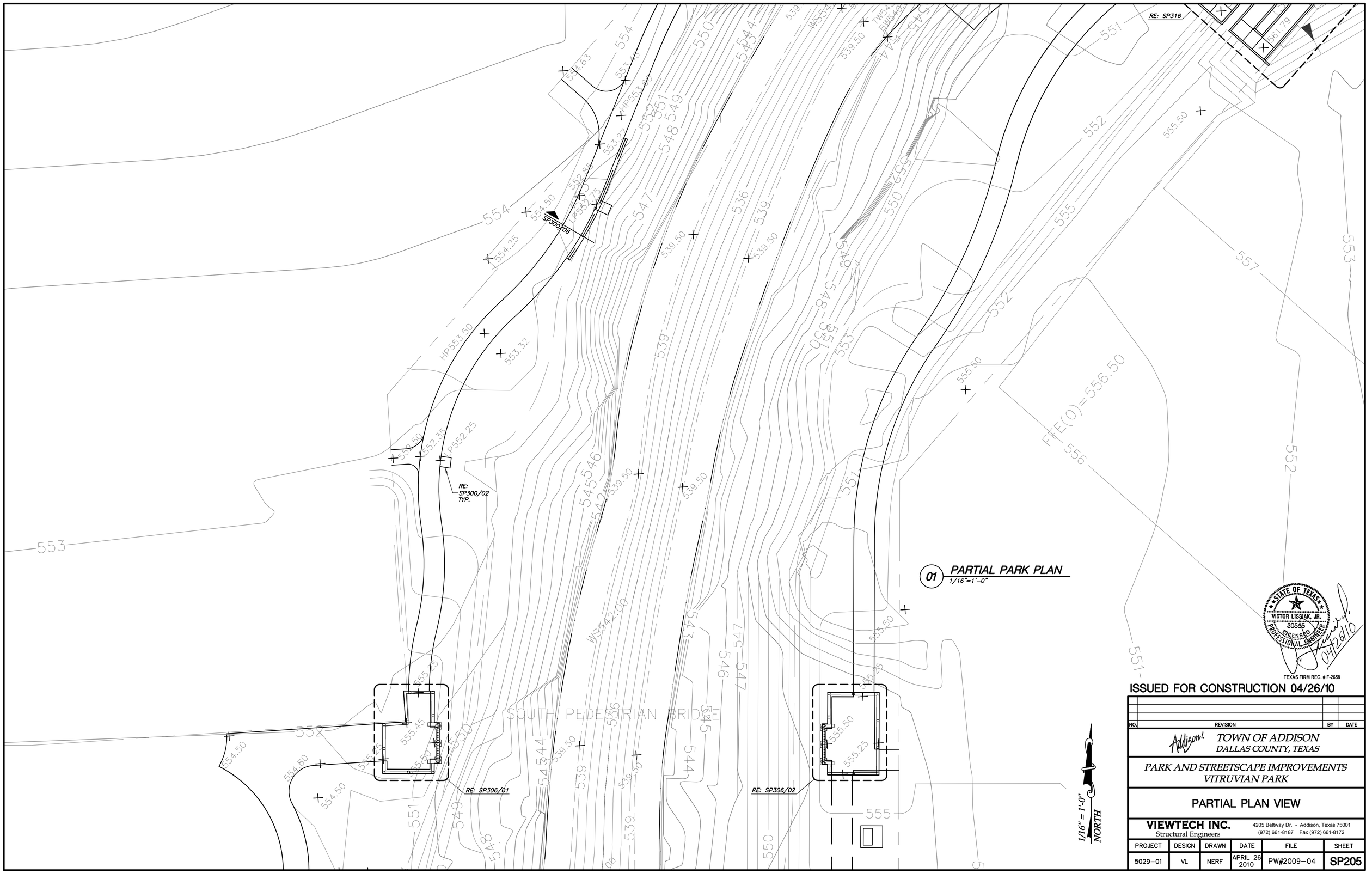
(972) 661-8187 Fax (972) 661-8172

PROJECT	DESIGN	DRAWN	DATE	FILE	SHEET
5029-01	VL	NERF	APRIL 26 2010	PW#2009-04	SP204



01 PARTIAL PARK PLAN
1/16"=1'-0"

1/16" = 1'-0"
NORTH

STATE OF TEXAS
VICTOR LISSIAK, JR.
30535
LICENSED
PROFESSIONAL ENGINEER
04/26/10

TEXAS FIRM REG. # F-2658

ISSUED FOR CONSTRUCTION 04/26/10

NO.	REVISION	BY	DATE

TOWN OF ADDISON
DALLAS COUNTY, TEXAS

PARK AND STREETSCAPE IMPROVEMENTS
VITRUVIAN PARK

PARTIAL PLAN VIEW

VIEWTECH INC.
Structural Engineers
4205 Beltway Dr. - Addison, Texas 75001
(972) 661-8187 Fax (972) 661-8172

PROJECT	DESIGN	DRAWN	DATE	FILE	SHEET
5029-01	VL	NERF	APRIL 26 2010	PW#2009-04	SP205

EXIST. 554.42'

EXIST. 555.64'

TW556.50
BW555.50
END WALL

INDICATES LIMIT OF MASONRY SCREEN WALL BY OTHERS

EXIST. 554.85'

TW557.50
BW554.80

EXIST. 554.80'

EXIST. 554.70'

TW557.50
BW554.70

EXIST. 554.68'

EXIST. 554.52'

INDICATES LIMIT OF MASONRY SCREEN WALL BY OTHERS

TW556.00
BW554.05

EXIST. 554.00'

EXIST. 553.00'

EXIST. 552.00'

TW555.00
BW553.60

555

556

554

555

554

553

552

551

554.63

553.75

HP553.50

553.32

554.50

554.25

552.95

552.75

LP552.25

SP300/06

554.50

552.35

LP552.25

RE: SP300/02 TYP.

539.50

539.50

WS542.00

554

550

551

549

548

547

546

545

542

559

555.45

555.50

554.80

554.50

554.50

01 PARTIAL PARK PLAN
1/16"=1'-0"

1/16" = 1'-0"
NORTH

STATE OF TEXAS
VICTOR LISSIAK, JR.
30565
LICENSED PROFESSIONAL ENGINEER
04/26/10

TEXAS FIRM REG. # F-2658

ISSUED FOR CONSTRUCTION 04/26/10

NO.	REVISION	BY	DATE

TOWN OF ADDISON
DALLAS COUNTY, TEXAS

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VITRUVIAN PARK

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(972) 661-8187 Fax (972) 661-8172

PROJECT	DESIGN	DRAWN	DATE	FILE	SHEET
5029-01	VL	NERF	APRIL 26 2010	PW#2009-04	SP206

EXIST. 554.68'

EXIST. 554.52'

INDICATES LIMIT OF MASONRY SCREEN WALL BY OTHERS

TW556.00 BW554.05

EXIST. 554.00'

EXIST. 553.00'

EXIST. 552.00'

TW555.00 BW553.60

TW555.00 BW552.75

TW555.00 BW552.25

EXIST. 552.25'

EXIST. 553.00'

EXIST. 554.00'

TW555.00 BW554.00

INDICATES LIMIT OF MASONRY SCREEN WALL BY OTHERS

EXIST. 553.00'

HP553.50

553.32

HP552.25

552.35

RE: SP300/02 TYP.

554.50

554.80

554.50

554.00

553.50

553.00

549.87

555.45

555.25

RE: SP306/01

WS542.08

539.50

536.00

535.00

537.00

TH542.00

TH542.00

555.50

556.25

555.50

555.25

RE: SP306/02

SOUTH PEDESTRIAN BRIDGE

554

553

552

551

550

549

548

547

546

545

544

543

542

541

540

539

555

01 PARTIAL PARK PLAN
1/16"=1'-0"

1/16" = 1'-0"
NORTH

STATE OF TEXAS
VICTOR LISSIAK, JR.
30555
LICENSED
PROFESSIONAL ENGINEER
04/26/10

TEXAS FIRM REG. # F-2658

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TOWN OF ADDISON
DALLAS COUNTY, TEXAS

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PARTIAL PLAN VIEW

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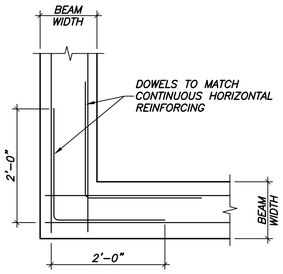
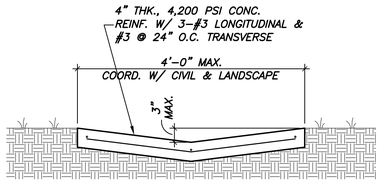
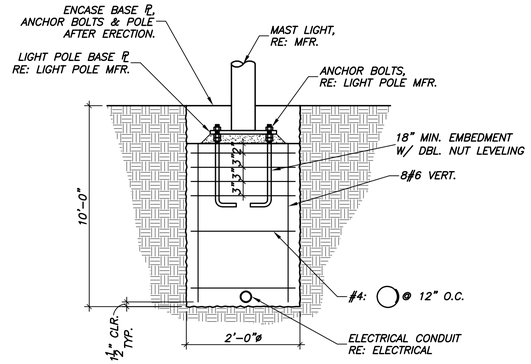
Structural Engineers
4205 Beltway Dr. - Addison, Texas 75001
(972) 661-8187 Fax (972) 661-8172

PROJECT	DESIGN	DRAWN	DATE	FILE	SHEET
5029-01	VL	NERF	APRIL 26 2010	PW#2009-04	SP207





NOT USED

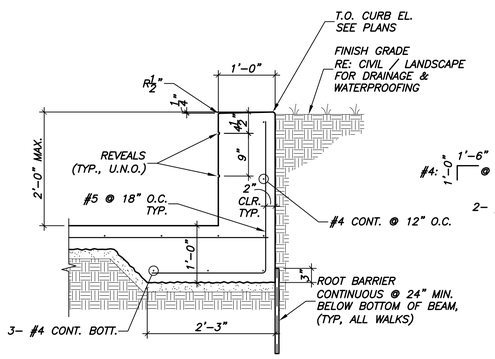


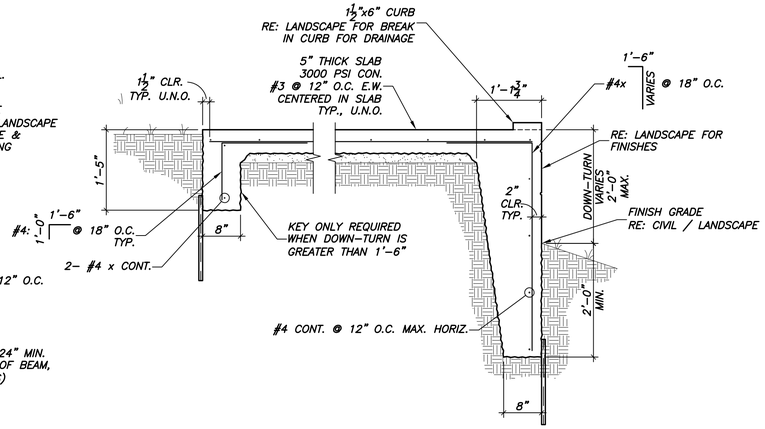
01 TYP. CORNER BAR DET.
N.T.S.

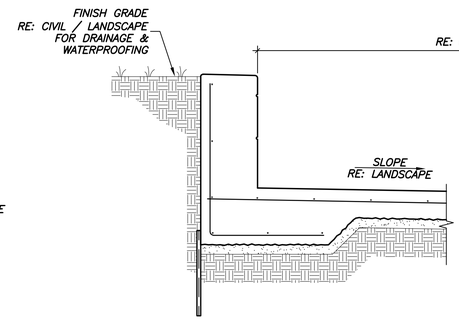
02 TYP. FLUME DETAIL
N.T.S.

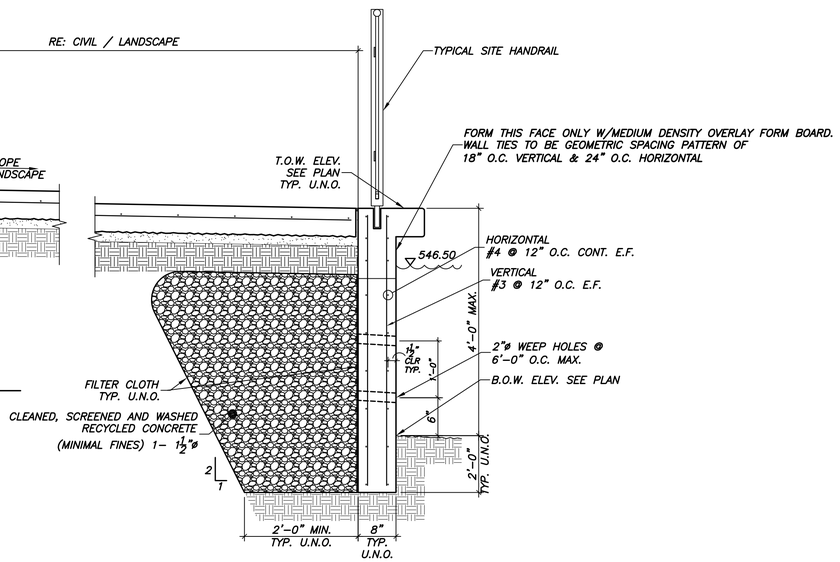
03 TYP. LAKE EDGE WALL TO OTHER STRUCTURE CONNECTION DETAIL
N.T.S.

04 TYP. LIGHT POLE BASE FOR POLES 10' THRU 20'
N.T.S.





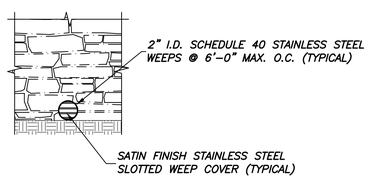




05 TYP. SIDEWALK UP-TURN CURB DETAIL
N.T.S.

06 TYP. SIDEWALK DOWN-TURN CURB DETAIL
N.T.S.

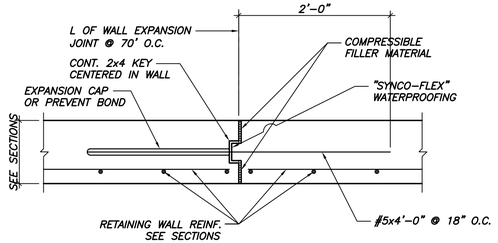
07 SECTION
N.T.S.



08 TYP. WEEP & WEEP COVER DETAIL
N.T.S.

NOT USED

NOT USED

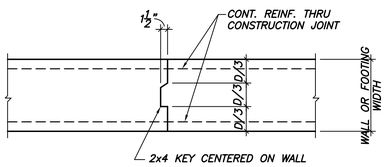


PLAN VIEW SECTION

12 TYP. RETAINING WALL EXPANSION JOINT DETAIL
N.T.S.

PLAN VIEW SECTION

10 TYP. RETAINING WALL CONTROL JOINT DETAIL
N.T.S.



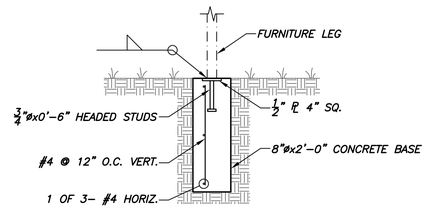
PLAN VIEW SECTION

09 TYP. WALL OR FOOTING CONSTRUCTION JOINT DETAIL
N.T.S.

NOT USED

ELEVATION VIEW

11 TYP. RETAINING WALL CONTROL JOINT DETAIL
N.T.S.



13 TYP. FURNITURE & FIXTURE BASE
N.T.S.

TEXAS FIRM REG. # F-2658

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DALLAS COUNTY, TEXAS

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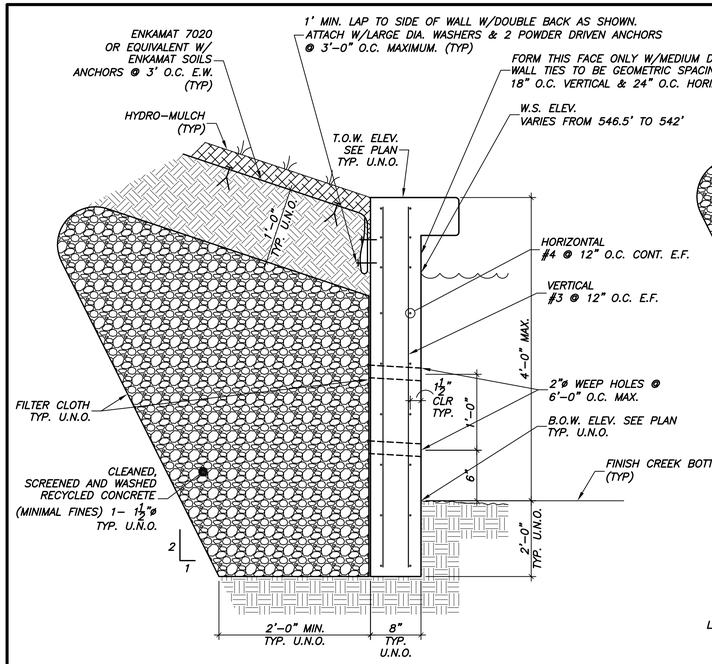
VITRUVIAN PARK

SECTIONS & DETAILS

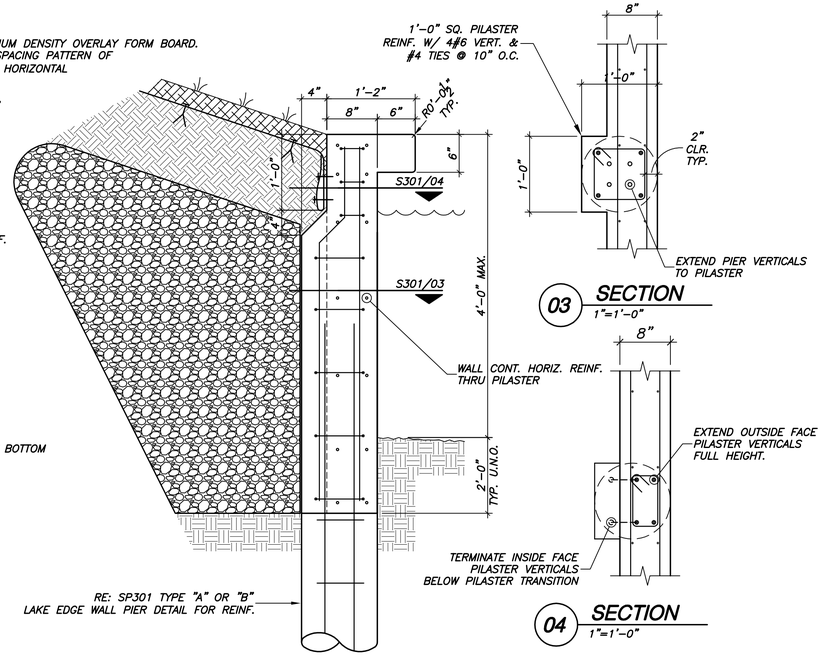
VIEWTECH INC.
Structural Engineers
4205 Beltway Dr. - Addison, Texas 75001
(972) 661-8187 Fax (972) 661-8172

PROJECT	DESIGN	DRAWN	DATE	FILE	SHEET
5029-01	VL	NERF	APRIL 26 2010	PW#2009-04	SP300



LAKE EDGE WALL DETAIL 4' MAX ABOVE CREEK BOTTOM

01 1"=1'-0"



LAKE EDGE WALL PILASTER 4' MAX. ABOVE CREEK BOTTOM

02 1"=1'-0"

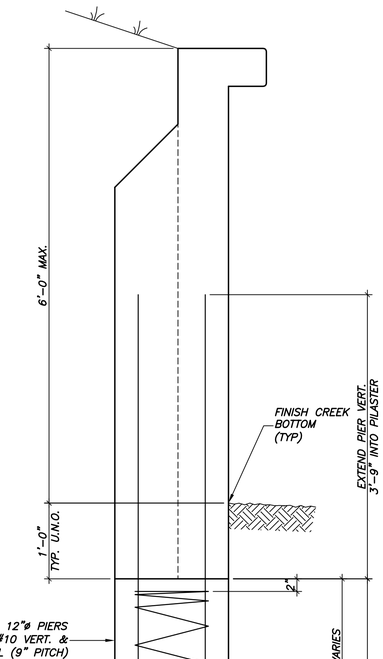
SECTION

03 1"=1'-0"

SECTION

04 1"=1'-0"

NOT USED

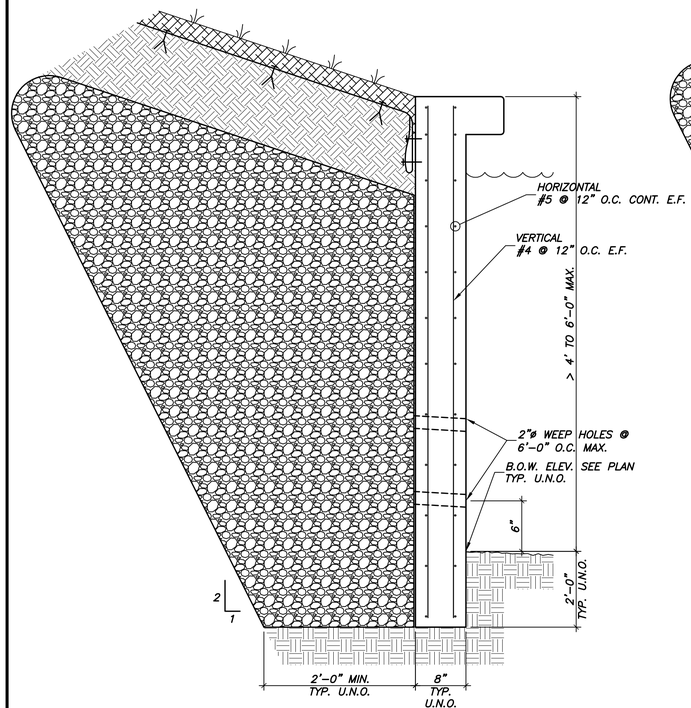


TYPE "A" PIER FOR LAKE EDGE WALL 3' AND LESS SPACED AT 8'-0" O.C. MAX

A 1"=1'-0"

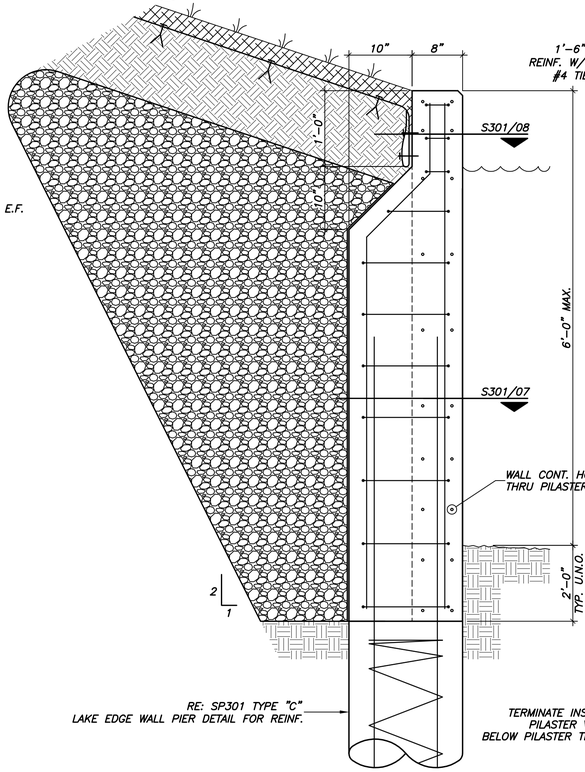
TYPE "C" PIER FOR LAKE EDGE WALL 4' TO 6'-0" MAX. SPACED AT 6'-0" O.C. MAX

C 1"=1'-0"



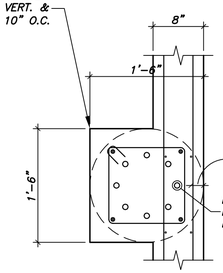
LAKE EDGE WALL DETAIL OVER 4' TO 6'-0" MAX. ABOVE CREEK BOTTOM

05 1"=1'-0"



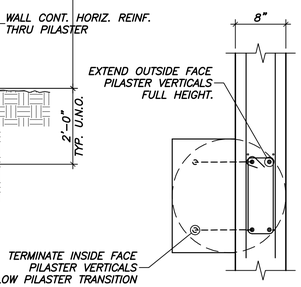
LAKE EDGE WALL PILASTER OVER 4' TO 6'-0" MAX.

06 1"=1'-0"



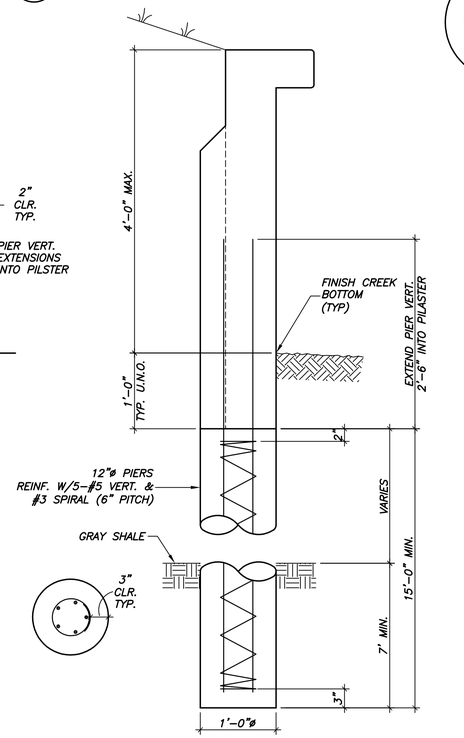
SECTION

07 1"=1'-0"



SECTION

08 1"=1'-0"



TYPE "B" PIER FOR LAKE EDGE WALL 3' TO 4' MAX. SPACED AT 6'-0" O.C. MAX

B 1"=1'-0"

STATE OF TEXAS
VICTOR LISSIAK, JR.
30565
LICENSED PROFESSIONAL ENGINEER
04/26/10

TEXAS FIRM REG. # F-2658

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NO.	REVISION	BY	DATE

Addison TOWN OF ADDISON
DALLAS COUNTY, TEXAS

PARK AND STREETSCAPE IMPROVEMENTS
VITRUVIAN PARK

SECTIONS & DETAILS

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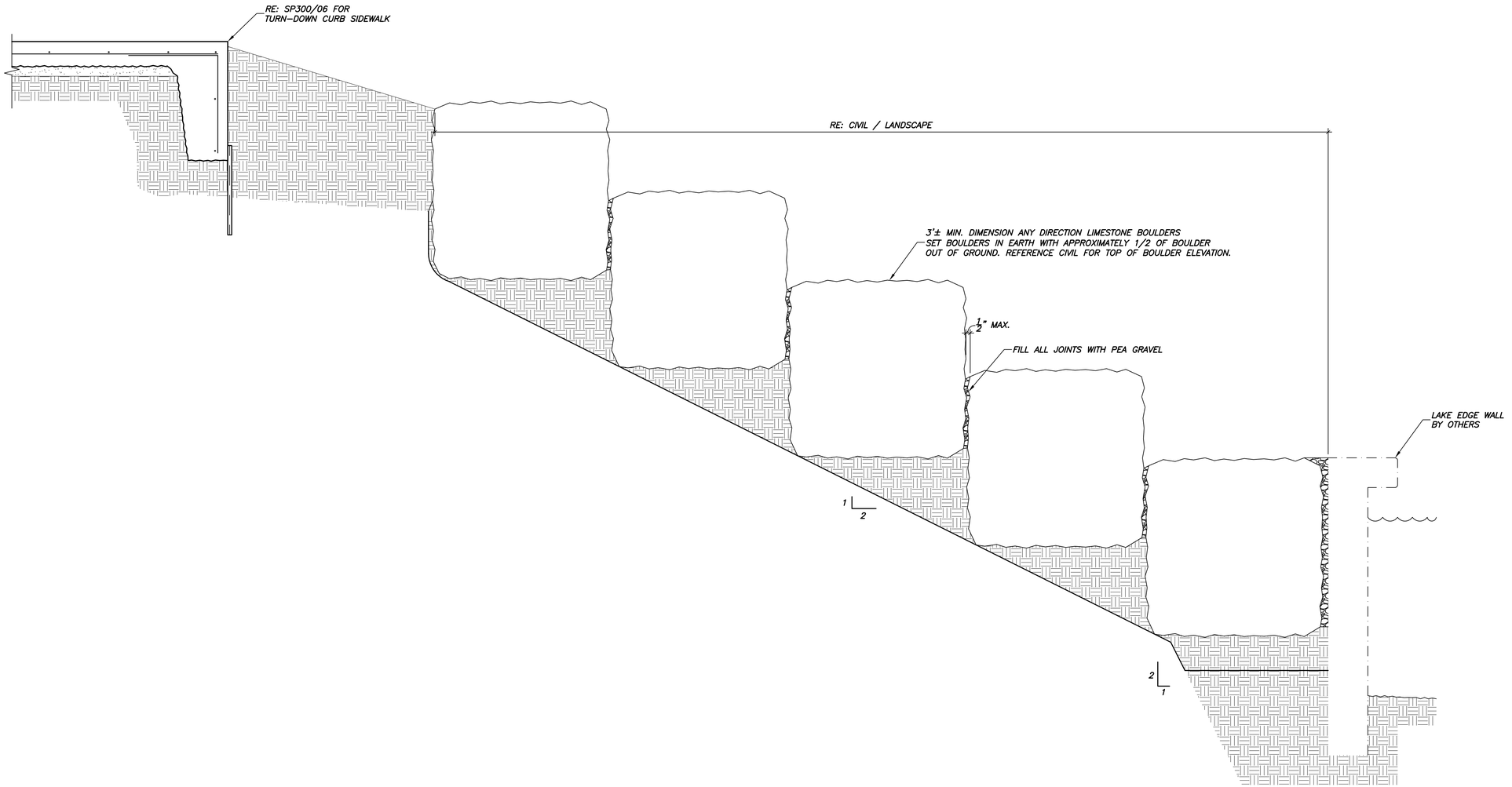
Structural Engineers
4205 Beltway Dr. - Addison, Texas 75001
(972) 661-8187 Fax (972) 661-8172

PROJECT	DESIGN	DRAWN	DATE	FILE	SHEET
5029-01	VL	NERF	APRIL 26 2010	PW#2009-04	SP301



01 SECTION
1"=1'-0"

STATE OF TEXAS
VICTOR LISSIAK, JR.
30535
LICENSED
PROFESSIONAL ENGINEER
04/26/10

TEXAS FIRM REG. # F-2658

ISSUED FOR CONSTRUCTION 04/26/10

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Structural Engineers
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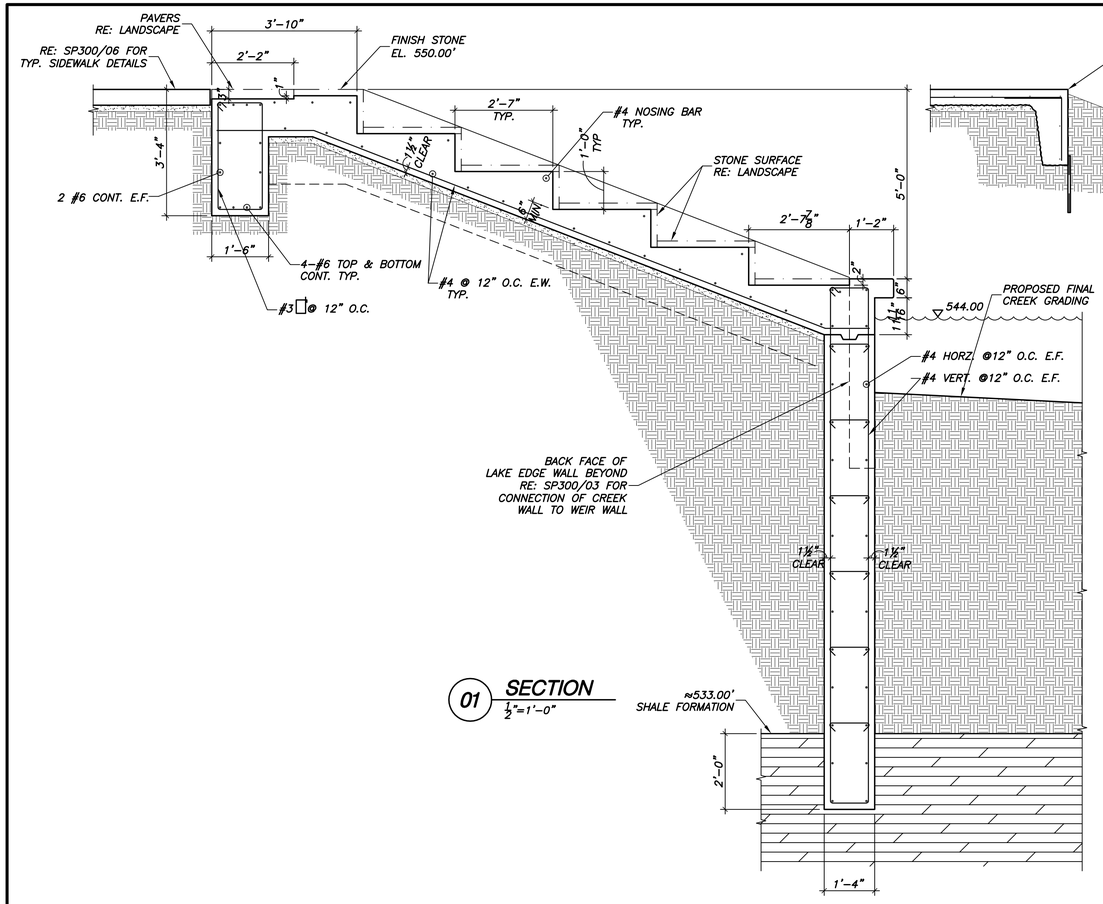
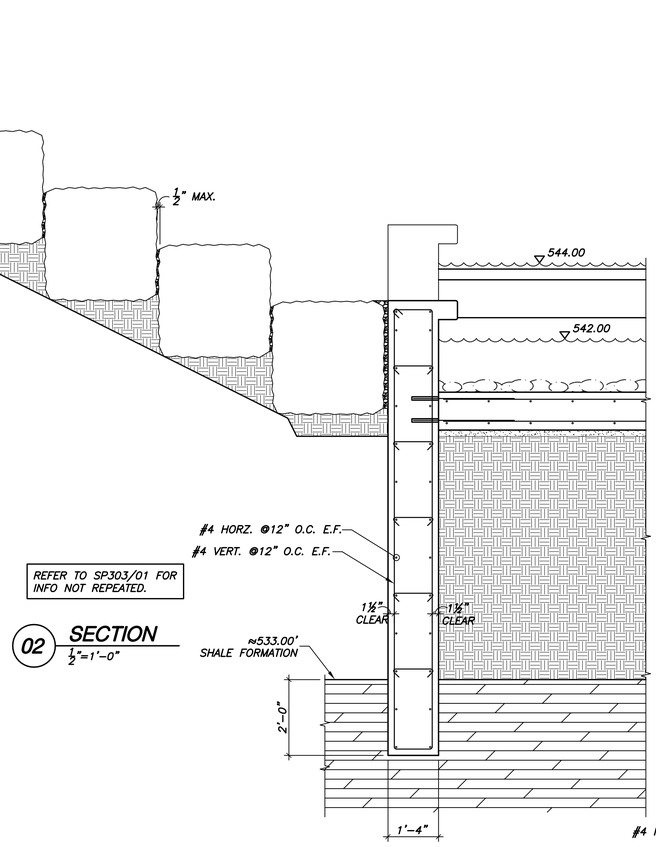
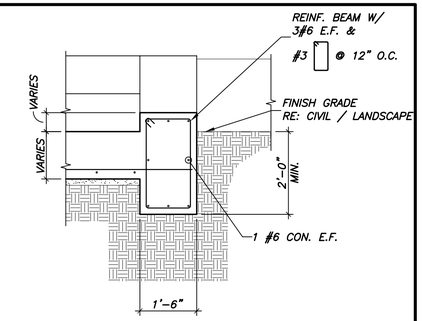
PROJECT	DESIGN	DRAWN	DATE	FILE	SHEET
5029-01	VL	NERF	APRIL 26 2010	PW#2009-04	SP302



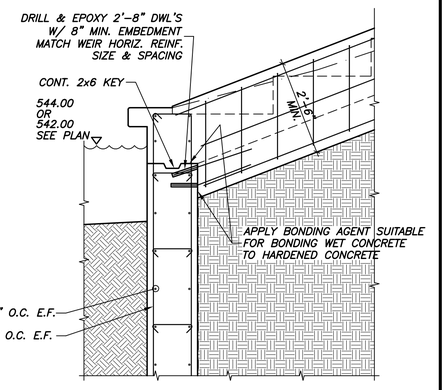
01 SECTION
½"=1'-0"



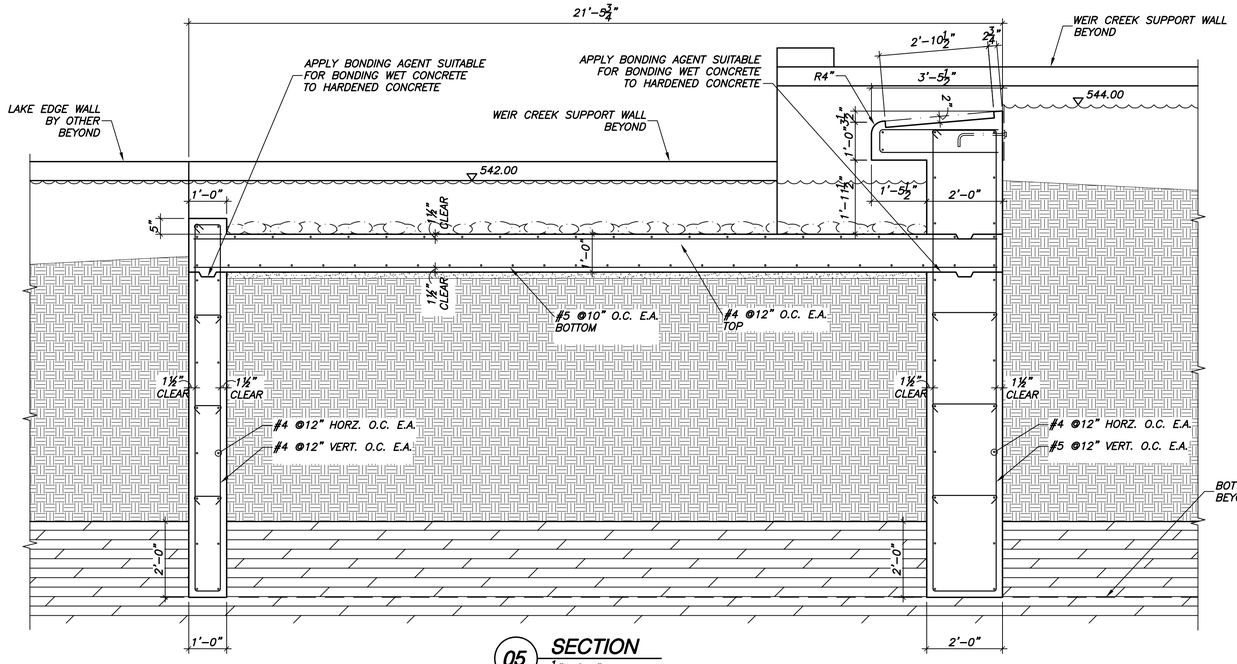
02 SECTION
½"=1'-0"



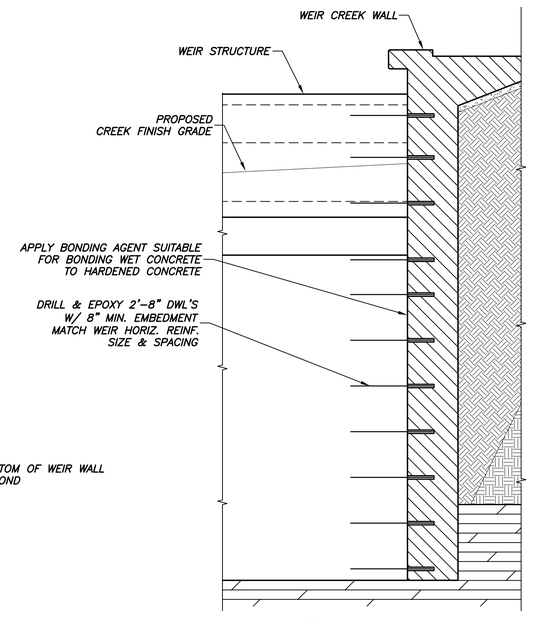
03 SECTION
½"=1'-0"



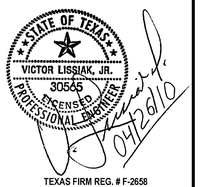
04 SECTION
½"=1'-0"



05 SECTION
½"=1'-0"



06 SECTION
½"=1'-0"



TEXAS FIRM REG. # F-2658

ISSUED FOR CONSTRUCTION 04/26/10

NO.	REVISION	BY	DATE

Addison TOWN OF ADDISON
DALLAS COUNTY, TEXAS

PARK AND STREETSCAPE IMPROVEMENTS
VITRUVIAN PARK

SECTIONS & DETAILS

VIEWTECH INC.
Structural Engineers
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(972) 661-8187 Fax (972) 661-8172

PROJECT	DESIGN	DRAWN	DATE	FILE	SHEET
5029-01	VL	NERF	APRIL 26 2010	PW#2009-04	SP303

NOT USED

02 PROFILE
1/8"=1'-0"

NOT USED

03 PROFILE
1/8"=1'-0"

NOT USED

01 FENCE SECTION
3/4"=1'-0"

NOT USED

04 PROFILE
1/8"=1'-0"

NOT USED

05 PROFILE
1/8"=1'-0"

STATE OF TEXAS
VICTOR LISSIAK, JR.
30535
LICENSED
PROFESSIONAL ENGINEER
04/26/10

TEXAS FIRM REG. # F-2658

ISSUED FOR CONSTRUCTION 04/26/10

NO.	REVISION	BY	DATE

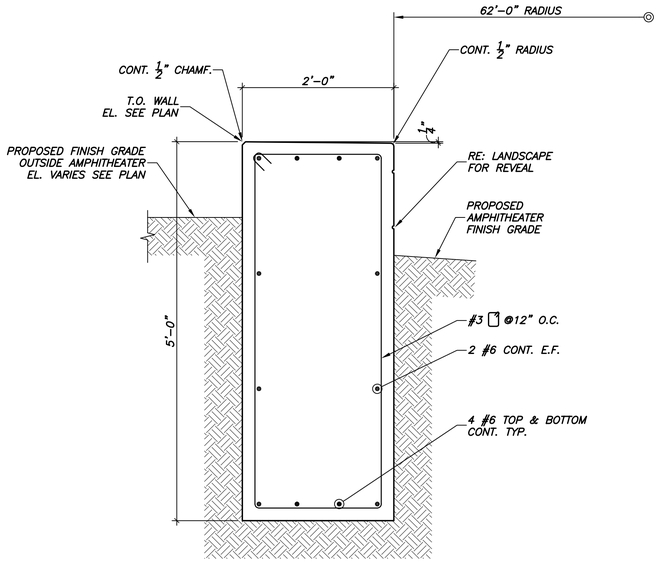
TOWN OF ADDISON
DALLAS COUNTY, TEXAS

PARK AND STREETSCAPE IMPROVEMENTS
VITRUVIAN PARK

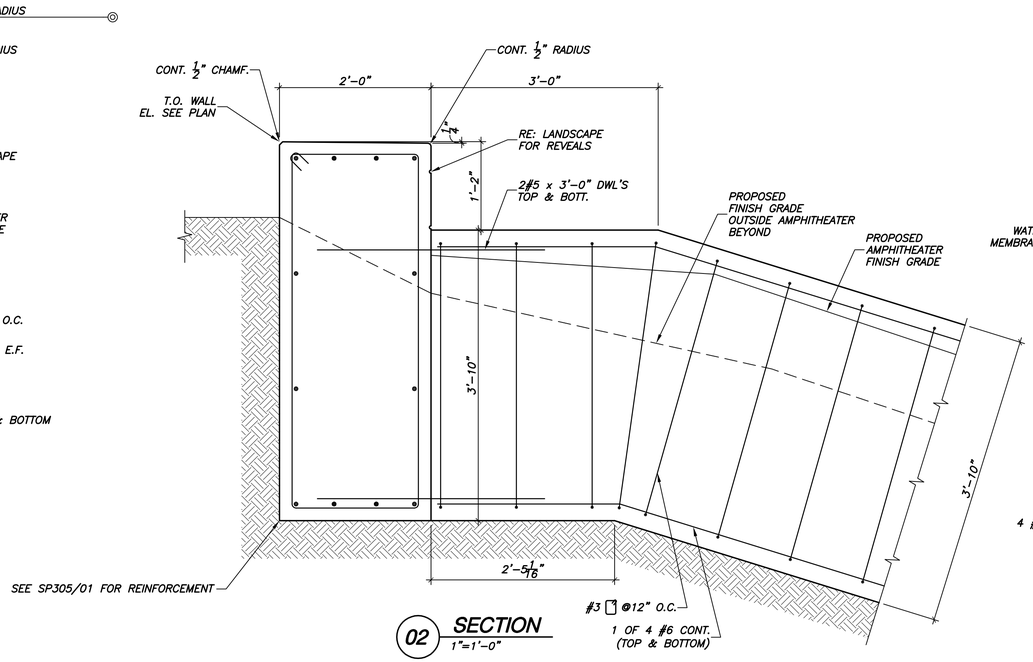
DETAIL & PROFILE

VIEWTECH INC.
Structural Engineers
4205 Beltway Dr. - Addison, Texas 75001
(972) 661-8187 Fax (972) 661-8172

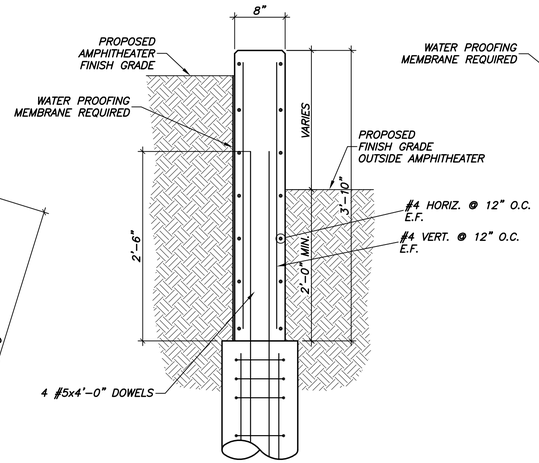
PROJECT	DESIGN	DRAWN	DATE	FILE	SHEET
5029-01	VL	NERF	APRIL 26 2010	PW#2009-04	SP304



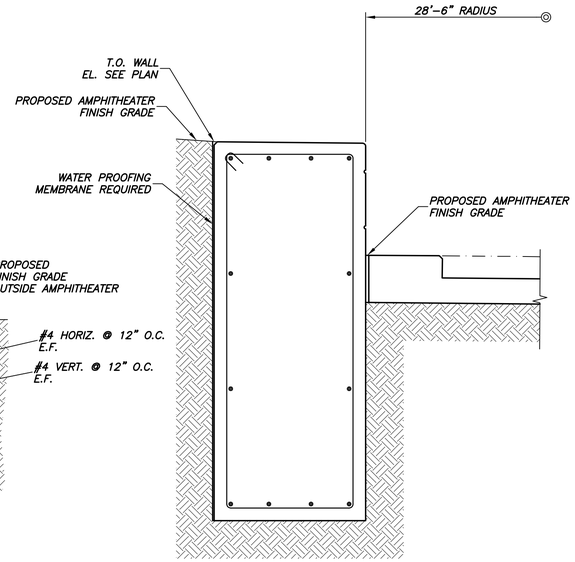
01 SECTION
1"=1'-0"



02 SECTION
1"=1'-0"



03 SECTION
1"=1'-0"



RE: SP305/01 FOR
FOR INFO NOT REPEATED

04 SECTION
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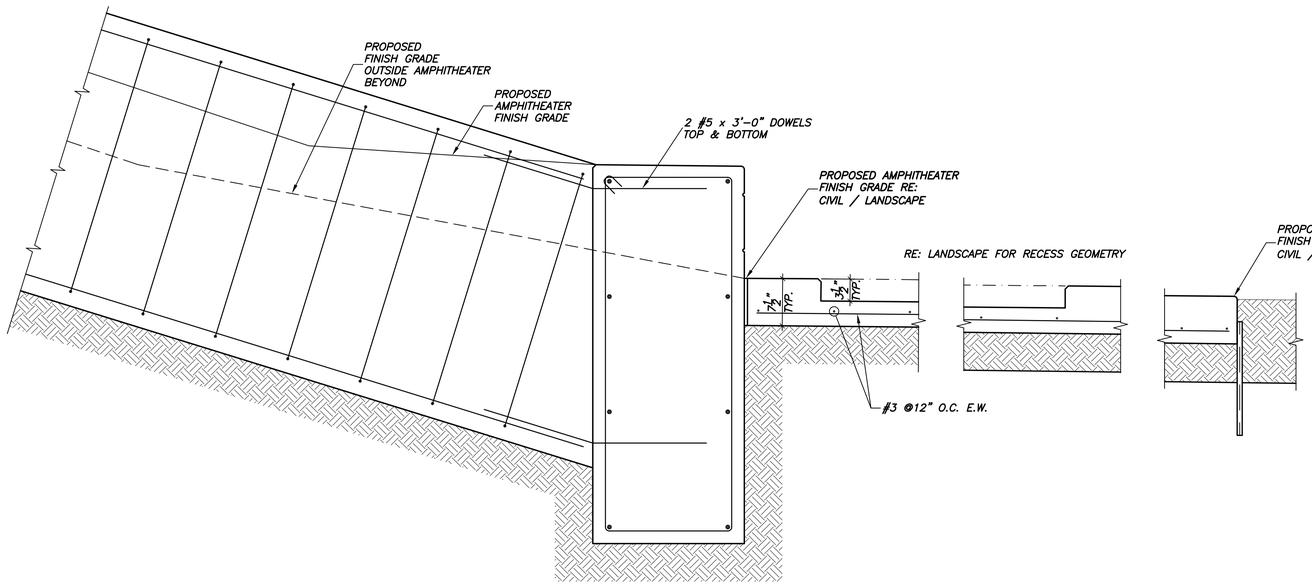
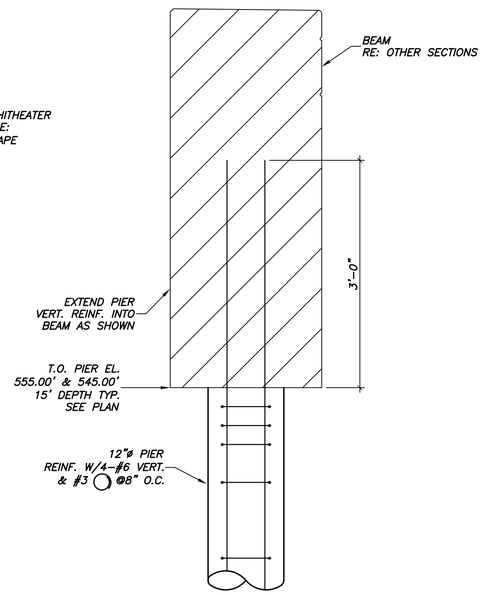


RE: SP305/01 & 02
FOR INFO NOT REPEATED

05 SECTION
1"=1'-0"



06 DETAIL
1"=1'-0"

STATE OF TEXAS
VICTOR LISSIAK, JR.
30555
LICENSED
PROFESSIONAL ENGINEER
04/26/10

TEXAS FIRM REG. # F-2658

ISSUED FOR CONSTRUCTION 04/26/10

NO.	REVISION	BY	DATE

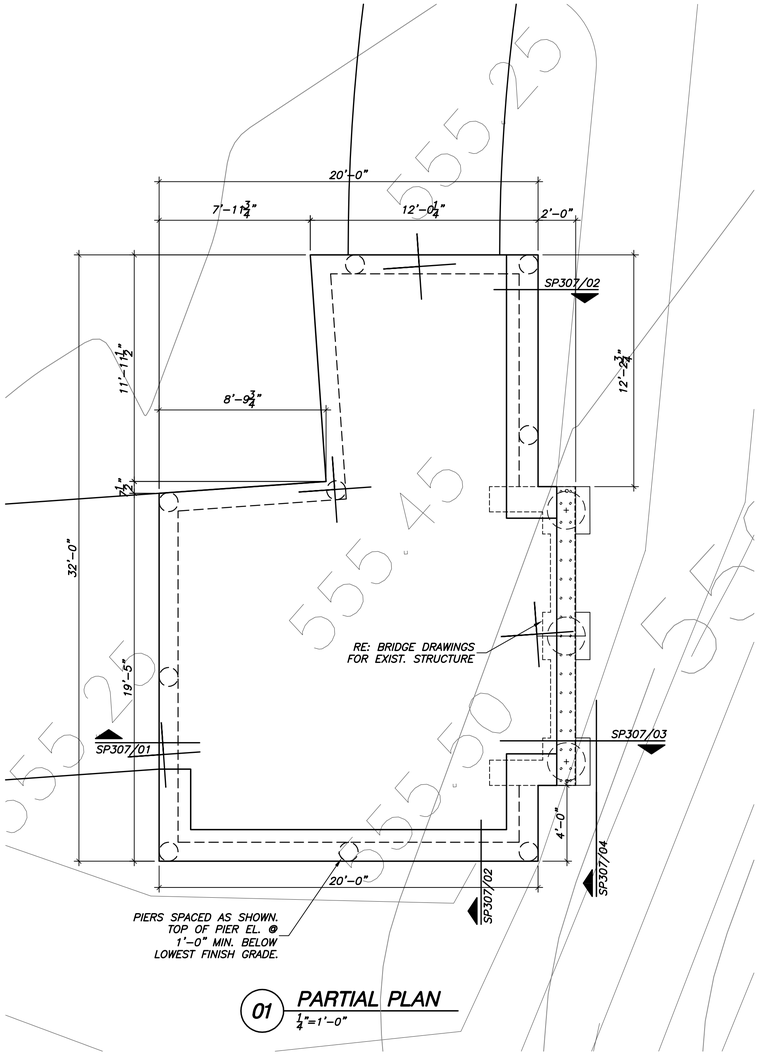
TOWN OF ADDISON
DALLAS COUNTY, TEXAS

PARK AND STREETSCAPE IMPROVEMENTS
VITRUVIAN PARK

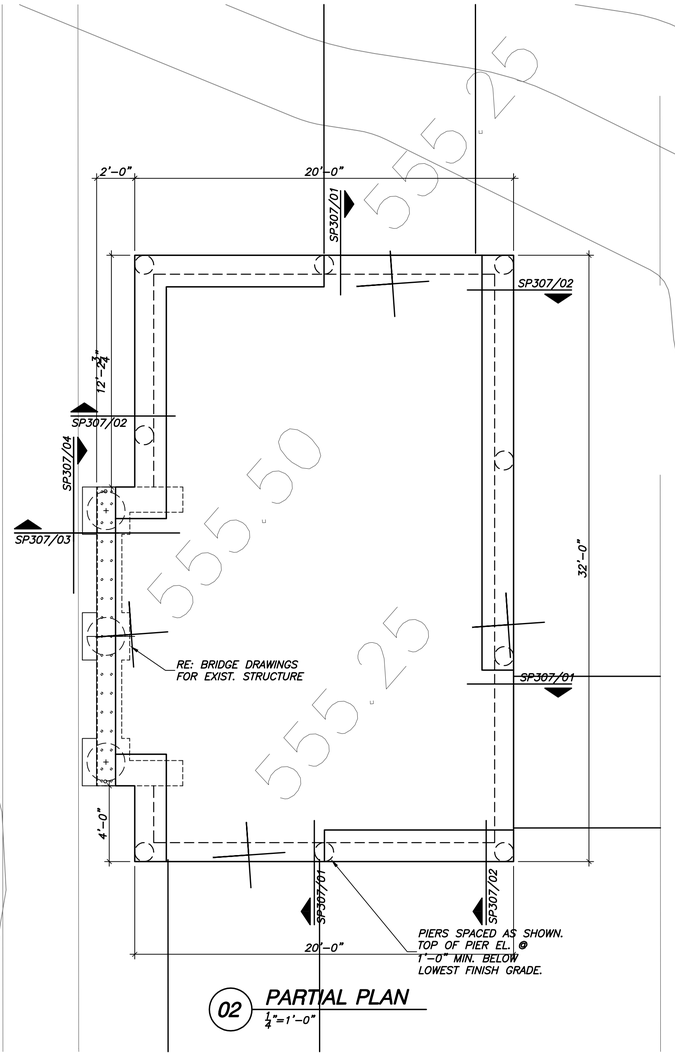
SECTIONS & DETAILS

VIEWTECH INC.
Structural Engineers
4205 Beltway Dr. - Addison, Texas 75001
(972) 661-8187 Fax (972) 661-8172

PROJECT	DESIGN	DRAWN	DATE	FILE	SHEET
5029-01	VL	NERF	APRIL 26 2010	PW#2009-04	SP305



01 PARTIAL PLAN
1/4"=1'-0"



02 PARTIAL PLAN
1/4"=1'-0"

STATE OF TEXAS
VICTOR LISSIAK, JR.
30535
LICENSED
PROFESSIONAL ENGINEER
04/26/10

TEXAS FIRM REG. # F-2658

ISSUED FOR CONSTRUCTION 04/26/10

NO.	REVISION	BY	DATE

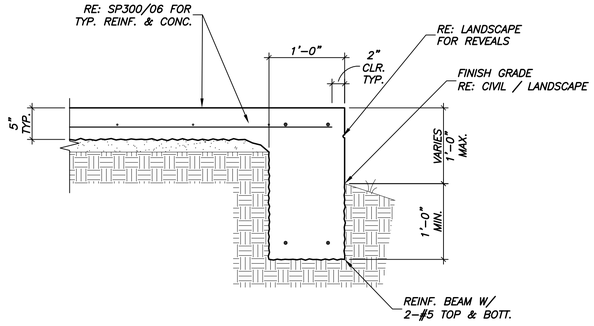
Addison TOWN OF ADDISON
DALLAS COUNTY, TEXAS

PARK AND STREETSCAPE IMPROVEMENTS
VITRUVIAN PARK

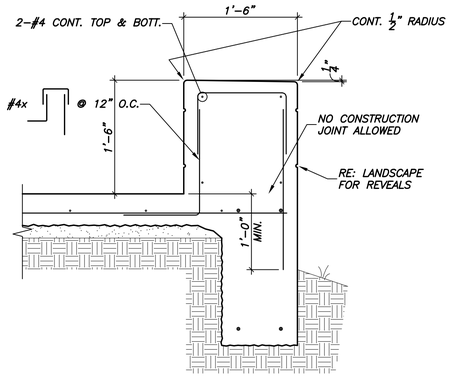
SOUTHERN PEDESTRIAN BRIDGE EAST / WEST LANDING PLANS

VIEWTECH INC.
Structural Engineers
4205 Beltway Dr. - Addison, Texas 75001
(972) 661-8187 Fax (972) 661-8172

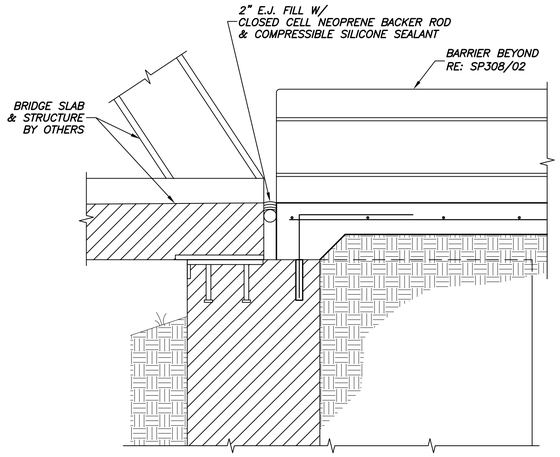
PROJECT	DESIGN	DRAWN	DATE	FILE	SHEET
5029-01	VL	NERF	APRIL 26 2010	PW#2009-04	SP306



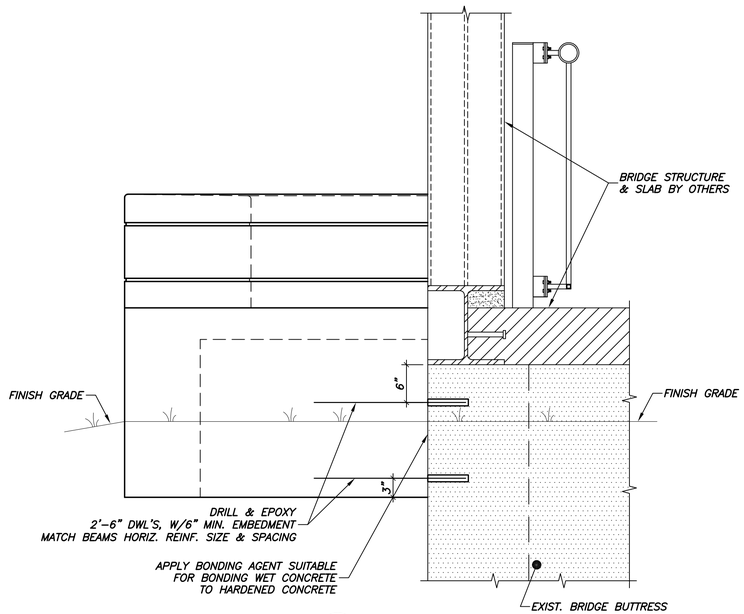
01 SECTION
1"=1'-0"



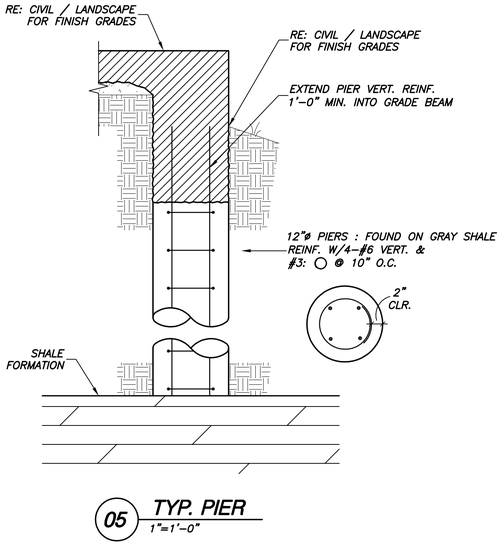
02 SECTION
1"=1'-0"



03 SECTION
1"=1'-0"



04 SECTION
1"=1'-0"



05 TYP. PIER
1"=1'-0"

TEXAS FIRM REG. # F-2658

ISSUED FOR CONSTRUCTION 04/26/10

NO.	REVISION	BY	DATE

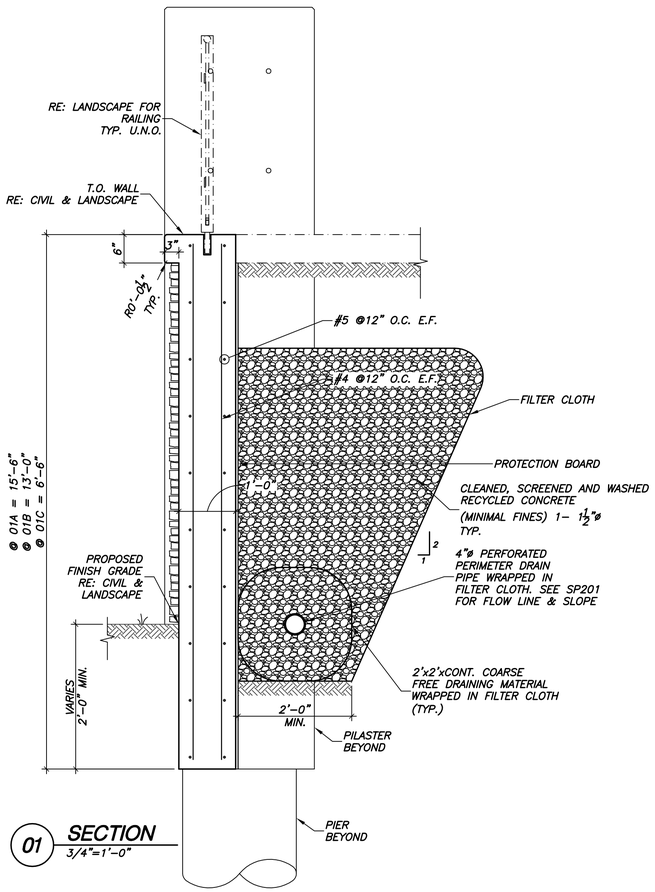
Addison TOWN OF ADDISON
DALLAS COUNTY, TEXAS

PARK AND STREETSCAPE IMPROVEMENTS
VITRUVIAN PARK

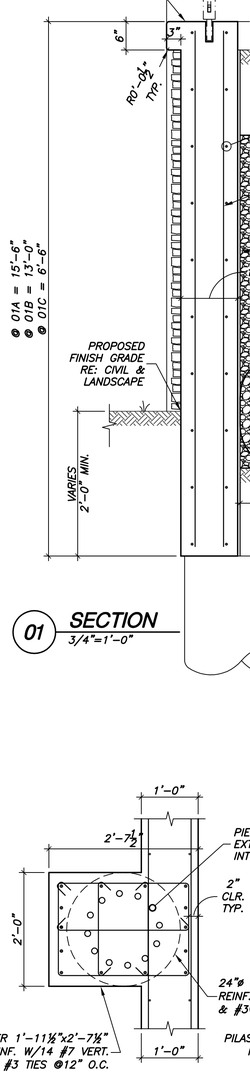
SECTIONS & DETAILS

VIEWTECH INC.
Structural Engineers
4205 Beltway Dr. - Addison, Texas 75001
(972) 661-8187 Fax (972) 661-8172

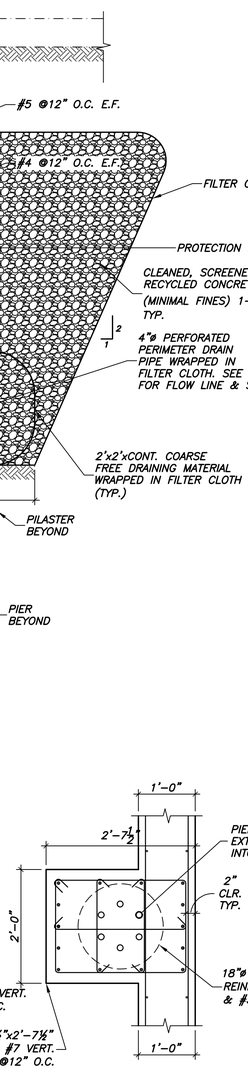
PROJECT	DESIGN	DRAWN	DATE	FILE	SHEET
5029-01	VL	NERF	APRIL 26 2010	PW#2009-04	SP307



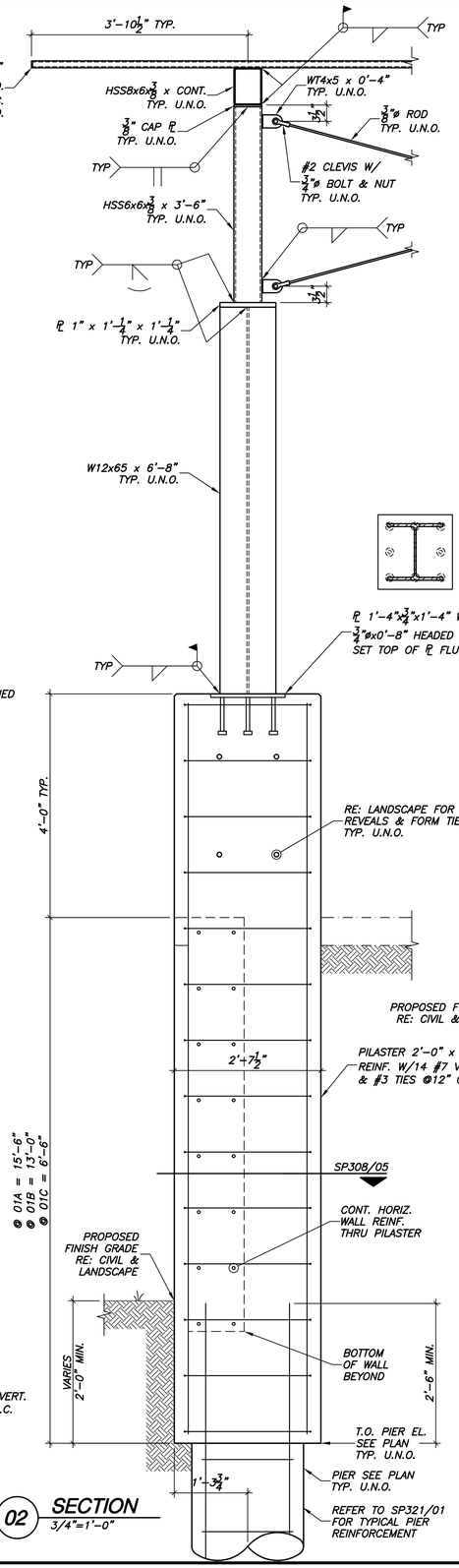
01 **SECTION**
3/4"=1'-0"



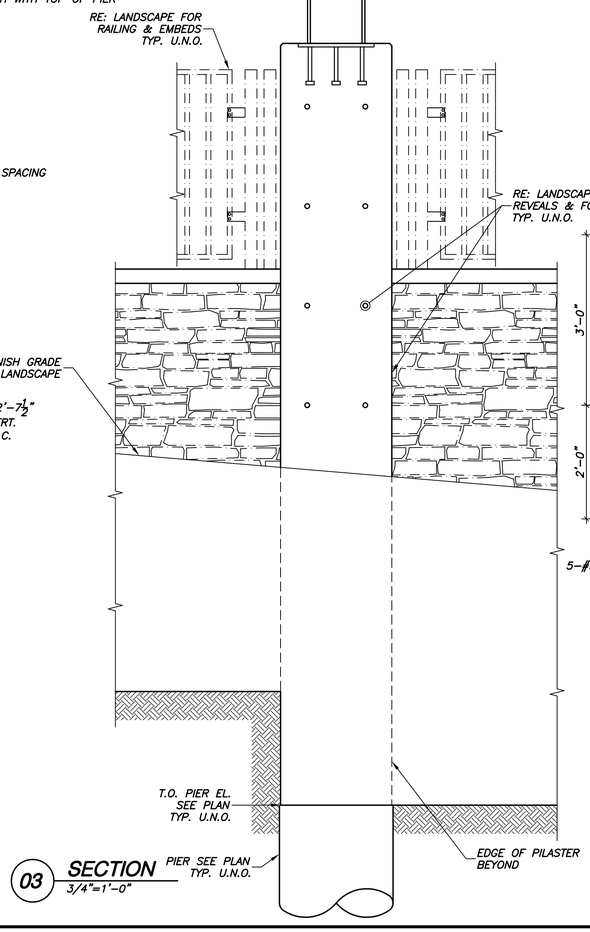
05A **SECTION**
¾"=1'-0"



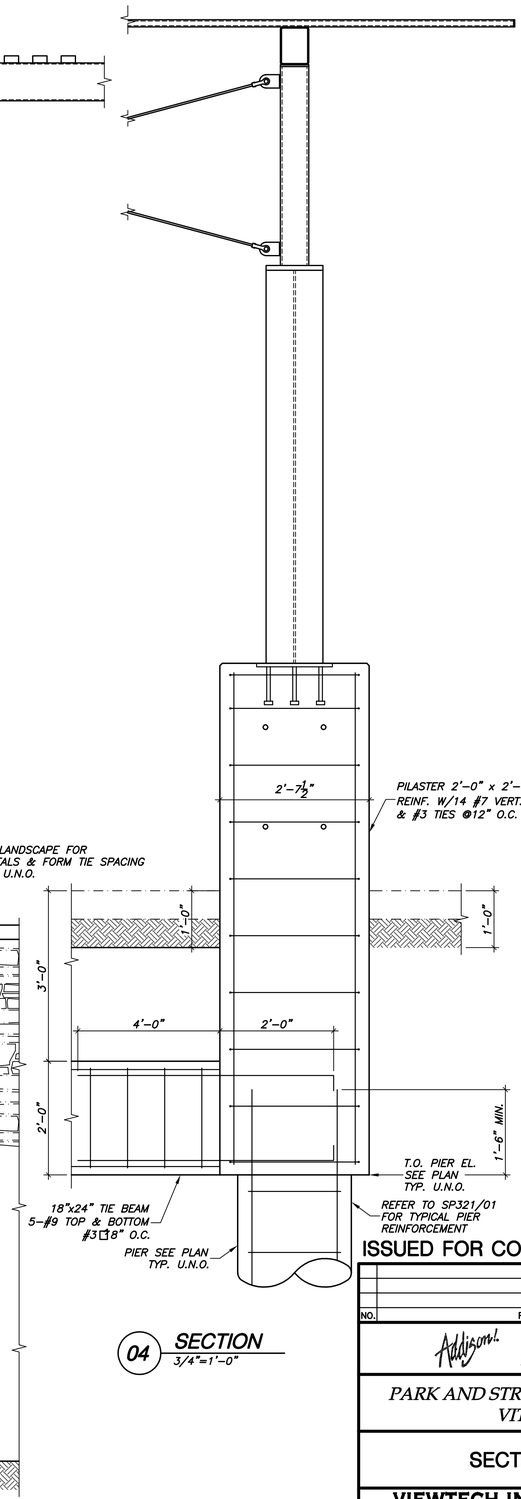
05B **SECTION**
¾"=1'-0"



02 **SECTION**
3/4"=1'-0"



03 **SECTION**
3/4"=1'-0"



04 **SECTION**
3/4"=1'-0"

STATE OF TEXAS
VICTOR LISSIAK, JR.
30565
LICENSED PROFESSIONAL ENGINEER
04/26/10

TEXAS FIRM REG. # F-2658

ISSUED FOR CONSTRUCTION 04/26/10

NO.	REVISION	BY	DATE

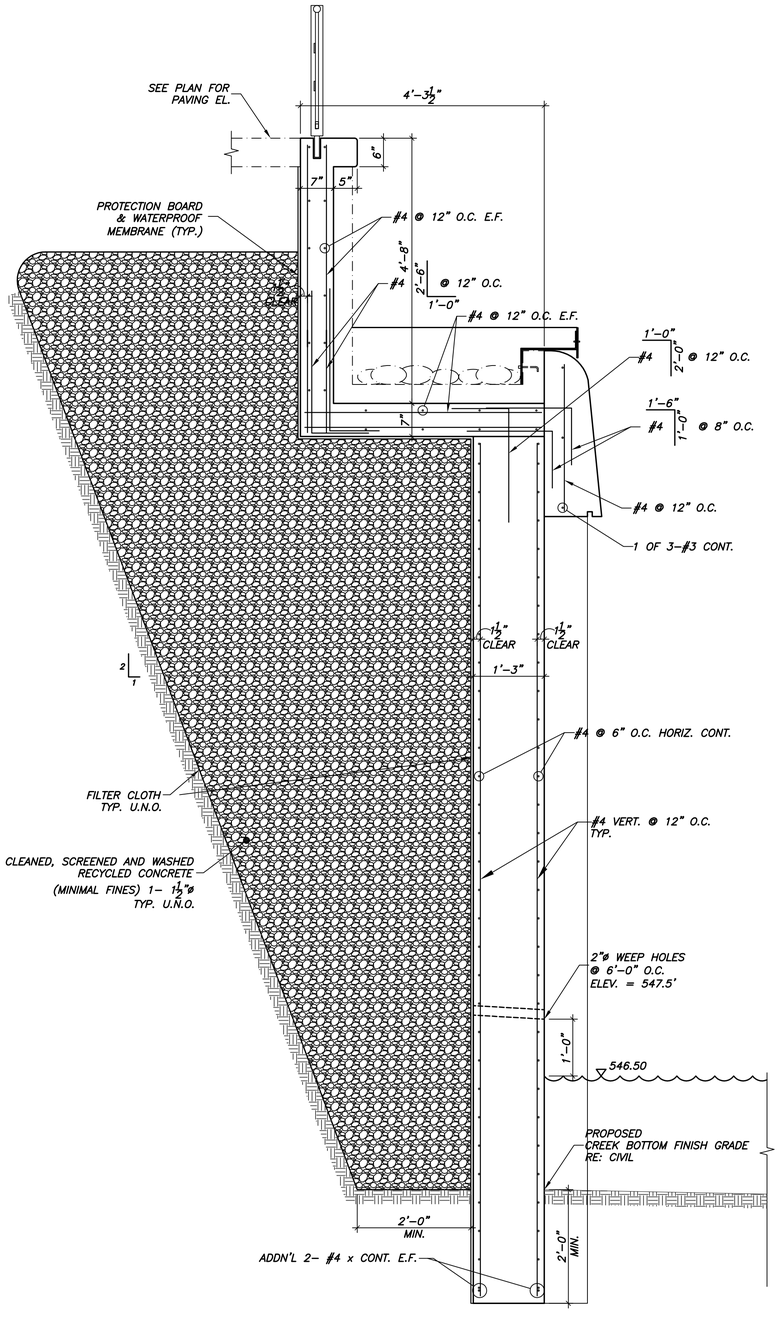
TOWN OF ADDISON
DALLAS COUNTY, TEXAS

PARK AND STREETSCAPE IMPROVEMENTS
VITRUVIAN PARK

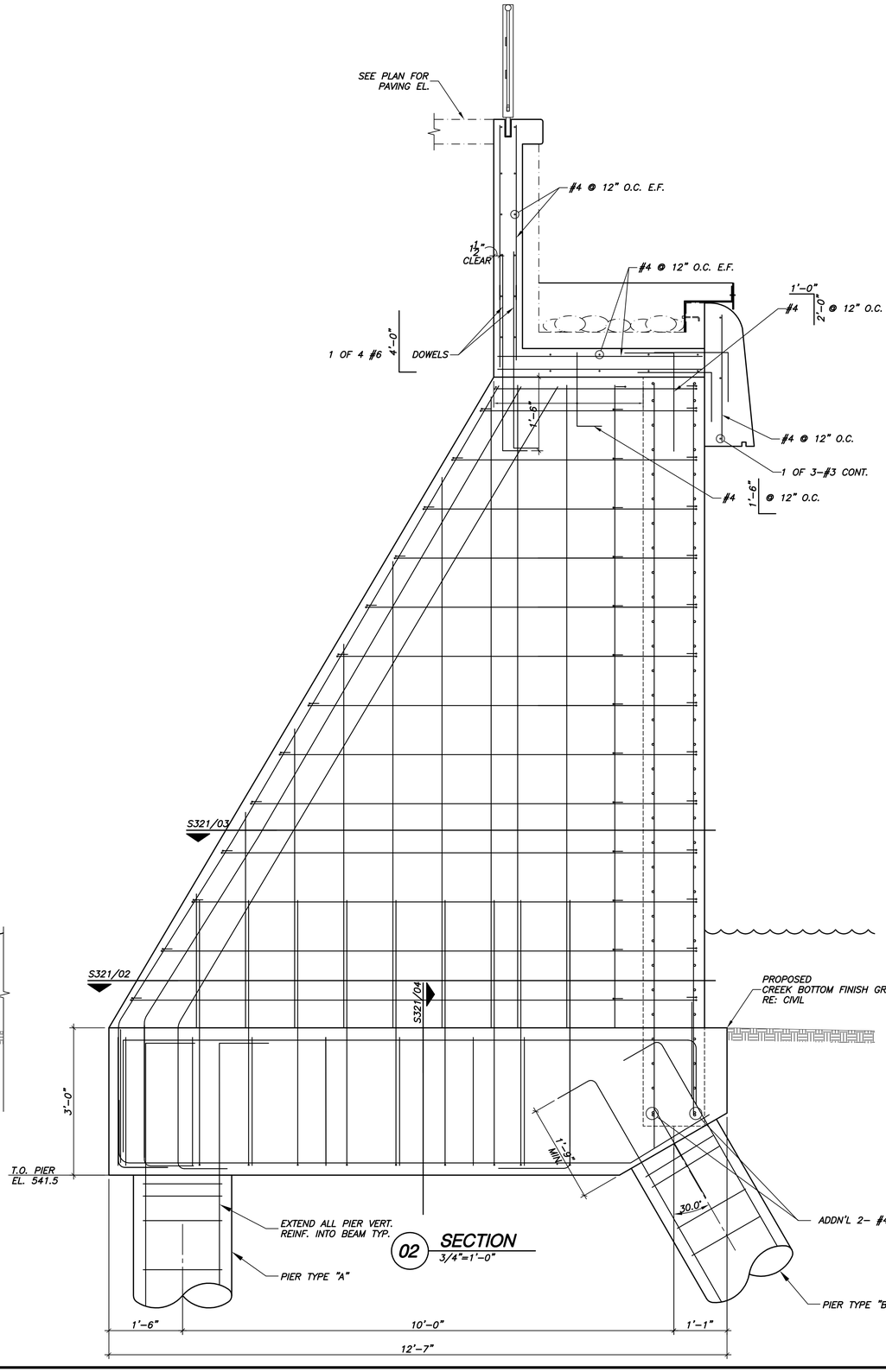
SECTIONS & DETAILS

VIEWTECH INC.
Structural Engineers
4205 Beltway Dr. - Addison, Texas 75001
(972) 661-8187 Fax (972) 661-8172

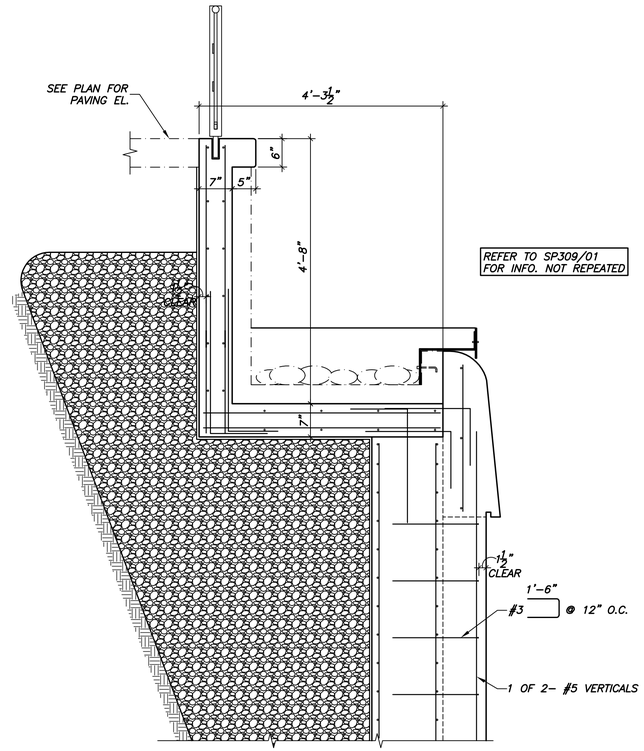
PROJECT	DESIGN	DRAWN	DATE	FILE	SHEET
5029-01	VL	NERF	APRIL 26 2010	PW#2009-04	SP308



01 SECTION
3/4"=1'-0"



02 SECTION
3/4"=1'-0"



03 SECTION
3/4"=1'-0"

STATE OF TEXAS
VICTOR LISSIAK, JR.
30565
LICENSED PROFESSIONAL ENGINEER
04/26/10

TEXAS FIRM REG. # F-2658

ISSUED FOR CONSTRUCTION 04/26/10

NO.	REVISION	BY	DATE

TOWN OF ADDISON
DALLAS COUNTY, TEXAS

PARK AND STREETSCAPE IMPROVEMENTS
VITRUVIAN PARK

SECTIONS & DETAILS

VIEWTECH INC.
Structural Engineers
4205 Beltway Dr. - Addison, Texas 75001
(972) 661-8187 Fax (972) 661-8172

PROJECT	DESIGN	DRAWN	DATE	FILE	SHEET
5029-01	VL	NERF	APRIL 26 2010	PW#2009-04	SP309

NOTE:
UTILIZE SHORT MASTED PIER DRILLING RIG TO INSTALL PIERS UNDER DRIP LINE OF TREES. DO NOT DAMAGE TREES.

NOTE:
UTILIZE SHORT MASTED PIER DRILLING RIG TO INSTALL PIERS UNDER DRIP LINE OF TREES. DO NOT DAMAGE TREES.

SP312/02
556.75'
556.78'
556.79'
556.7865'
556.78'
556.75'
556.72'
556.67'
556.65'
556.65'
556.69'
556.72'
556.27'
SP312/01
SP312/01
SP312/01
SP312/02
SP312/05
SP312/03
SP312/04
SIDEWALK
558.00
RAILING POSTS
RE: LANDSCAPE FOR
QUANTITY AND SPACING
R37'-8"
INSTALL WALL PIER @
INTERSECTION OF STEEL
BEAM W/ WALL (TYP.)
INSTALL WALL PIERS,
SPACE AS SHOWN.
TOP OF PIER EL. @
1'-6" MIN. BELOW
LOWEST FINISH GRADE.
GALV. HSS12x3x¼ @ 10' O.C. MAX.
EXIST. TREES
556.00
C4x5.4 @ 12" O.C. MAX.
T.O. PIER EL. @ INTERIOR TYP.
= 557.3 ± .00' / .02'
≈4'-5½"
≈1'-1"
≈7'-9 9/16"
≈10'-4 1/16"
555.00
555.00
555.00
550.00
550.00
546.00
T.O.W. 545.00
17.0'
17.0'
CURVED C4x5.4
EXIST. GRADE
FINISH GRADE
HATCH HINGE SIDE
4'-0"
HSS 8x3x¼
4'-0"
HSS 8x3x¼
HSS 8x3x¼
INSTALL 2'-0" WIDE STEEL SHIPS LADDER
ATTACH TO CONCRETE WALL
4'-0"x4'-0"
ACCESS HATCH
RE: LANDSCAPE
ARCH. FOR HATCH COVER

01 WILDLIFE OBSERVATION PLATFORM
1/4"=1'-0"

STATE OF TEXAS
VICTOR LISSIAK, JR.
30535
LICENSED
PROFESSIONAL ENGINEER
04/26/10
TEXAS FIRM REG. # F-2658

ISSUED FOR CONSTRUCTION 04/26/10

NO.	REVISION	BY	DATE

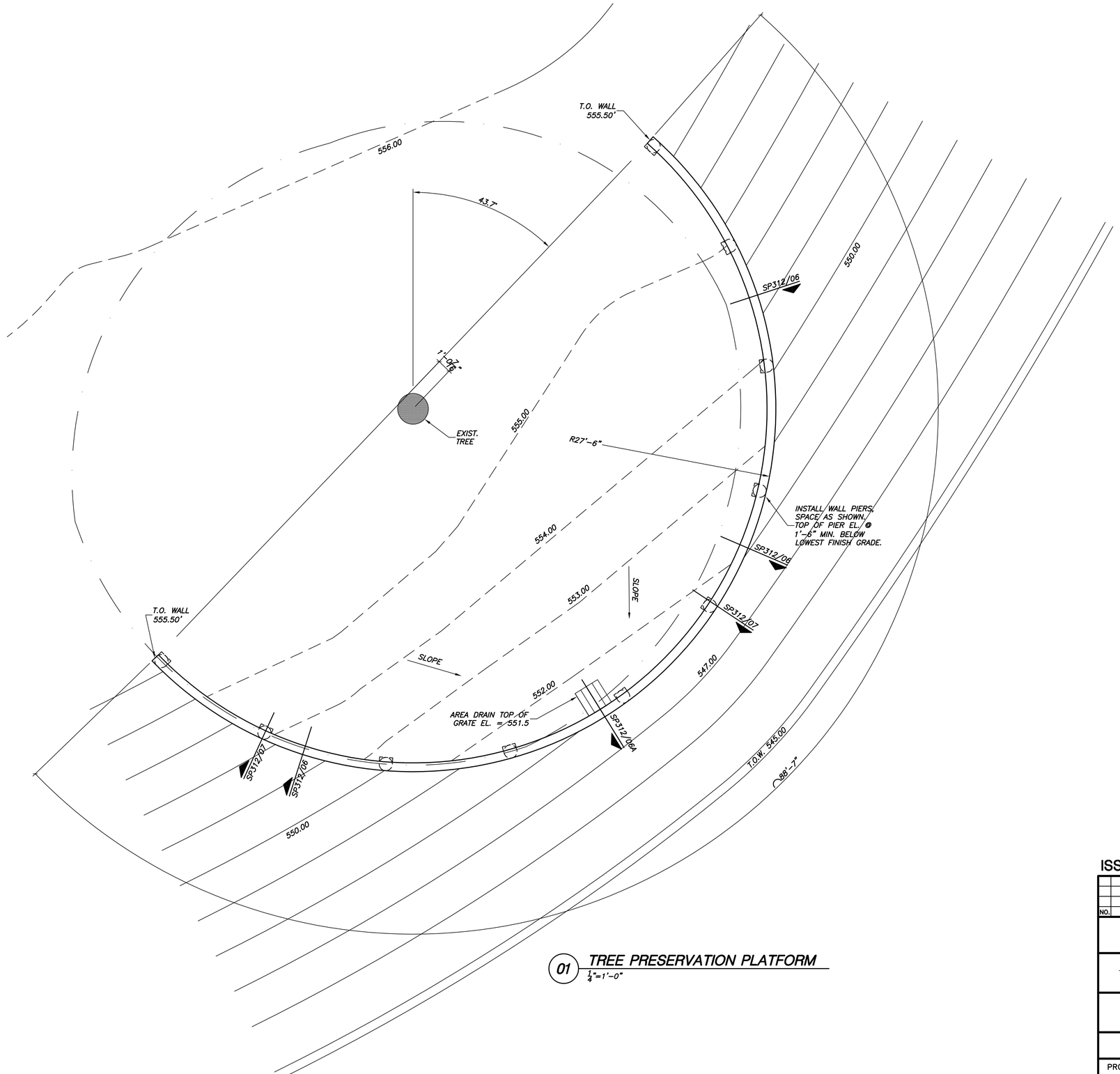
Addison TOWN OF ADDISON
DALLAS COUNTY, TEXAS

PARK AND STREETSCAPE IMPROVEMENTS
VITRUVIAN PARK

WILDLIFE OBSERVATION PLATFORM

VIEWTECH INC.
Structural Engineers
4205 Beltway Dr. - Addison, Texas 75001
(972) 661-8187 Fax (972) 661-8172

PROJECT	DESIGN	DRAWN	DATE	FILE	SHEET
5029-01	VL	NERF	APRIL 26 2010	PW#2009-04	SP310



01 TREE PRESERVATION PLATFORM
1/4"=1'-0"

STATE OF TEXAS
VICTOR LISSIAK, JR.
30535
LICENSED
PROFESSIONAL ENGINEER
04/26/10

TEXAS FIRM REG. # F-2658

ISSUED FOR CONSTRUCTION 04/26/10

NO.	REVISION	BY	DATE

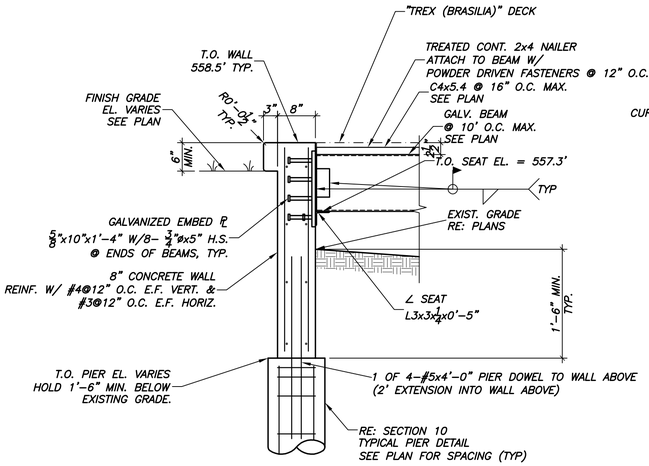
Addison TOWN OF ADDISON
DALLAS COUNTY, TEXAS

PARK AND STREETSCAPE IMPROVEMENTS
VITRUVIAN PARK

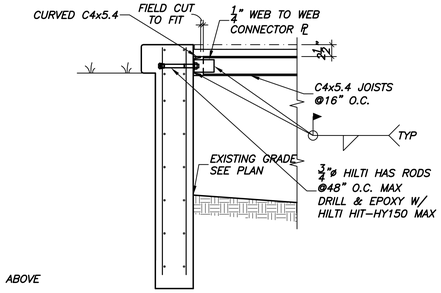
TREE PRESERVATION PLATFORM

VIEWTECH INC.
Structural Engineers
4205 Beltway Dr. - Addison, Texas 75001
(972) 661-8187 Fax (972) 661-8172

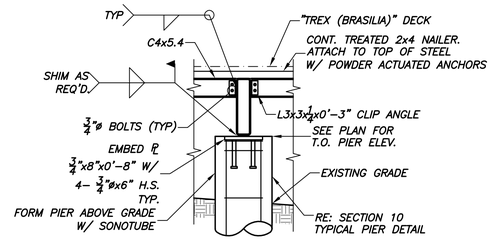
PROJECT	DESIGN	DRAWN	DATE	FILE	SHEET
5029-01	VL	NERF	APRIL 26 2010	PW#2009-04	SP311



01 SECTION
3/4"=1'-0"

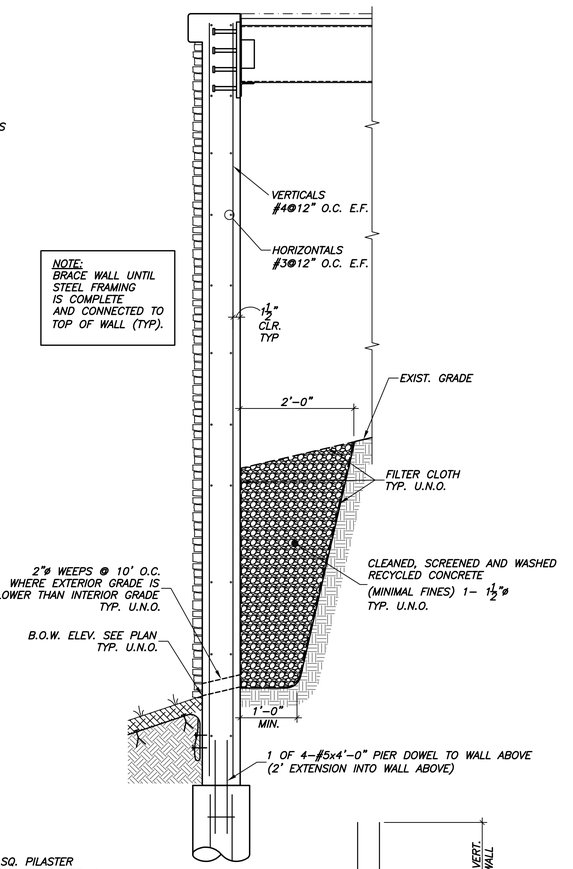


02 SECTION
3/4"=1'-0"



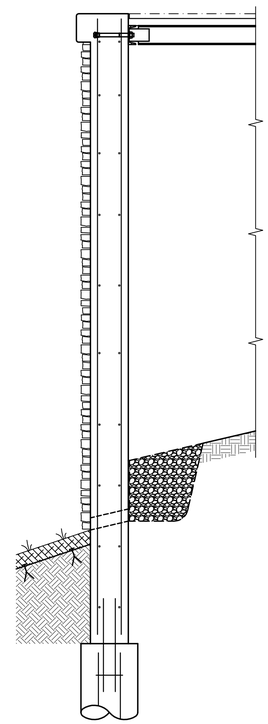
03 SECTION
3/4"=1'-0"

RE: SECTION 01
FOR INFO NOT REPEATED

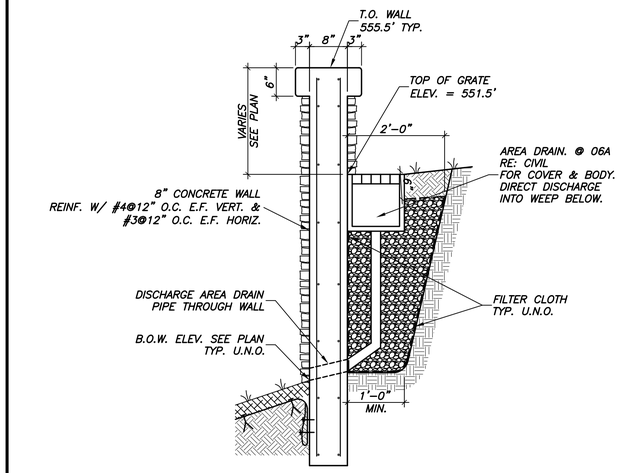


04 SECTION
3/4"=1'-0"

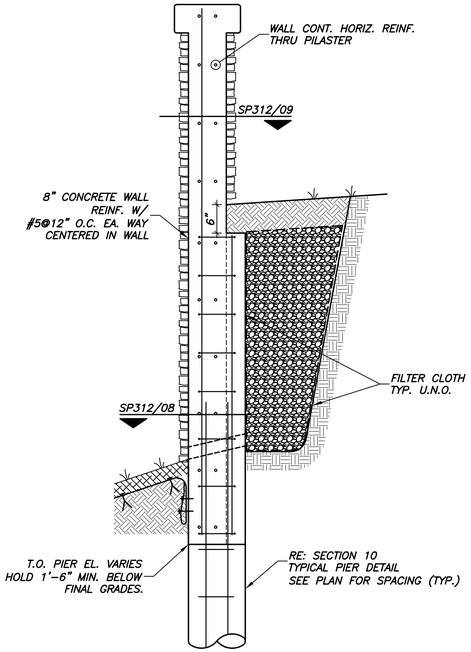
RE: SECTION 02
FOR INFO NOT REPEATED



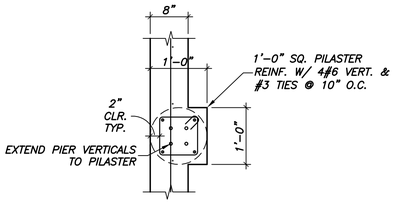
05 SECTION
3/4"=1'-0"



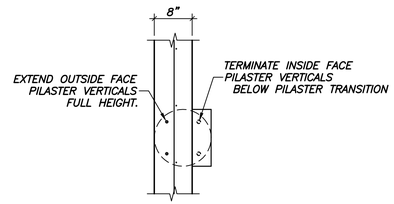
06A 06 SECTION
3/4"=1'-0"



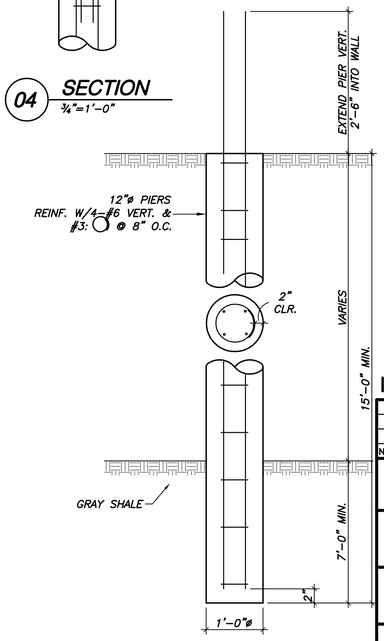
07 SECTION
3/4"=1'-0"



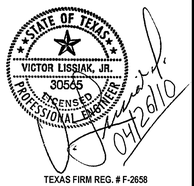
08 SECTION
3/4"=1'-0"



09 SECTION
3/4"=1'-0"



10 TYPICAL PIER DETAIL
3/4"=1'-0"



TEXAS FIRM REG. # F-2658

ISSUED FOR CONSTRUCTION 04/26/10

NO.	REVISION	BY	DATE

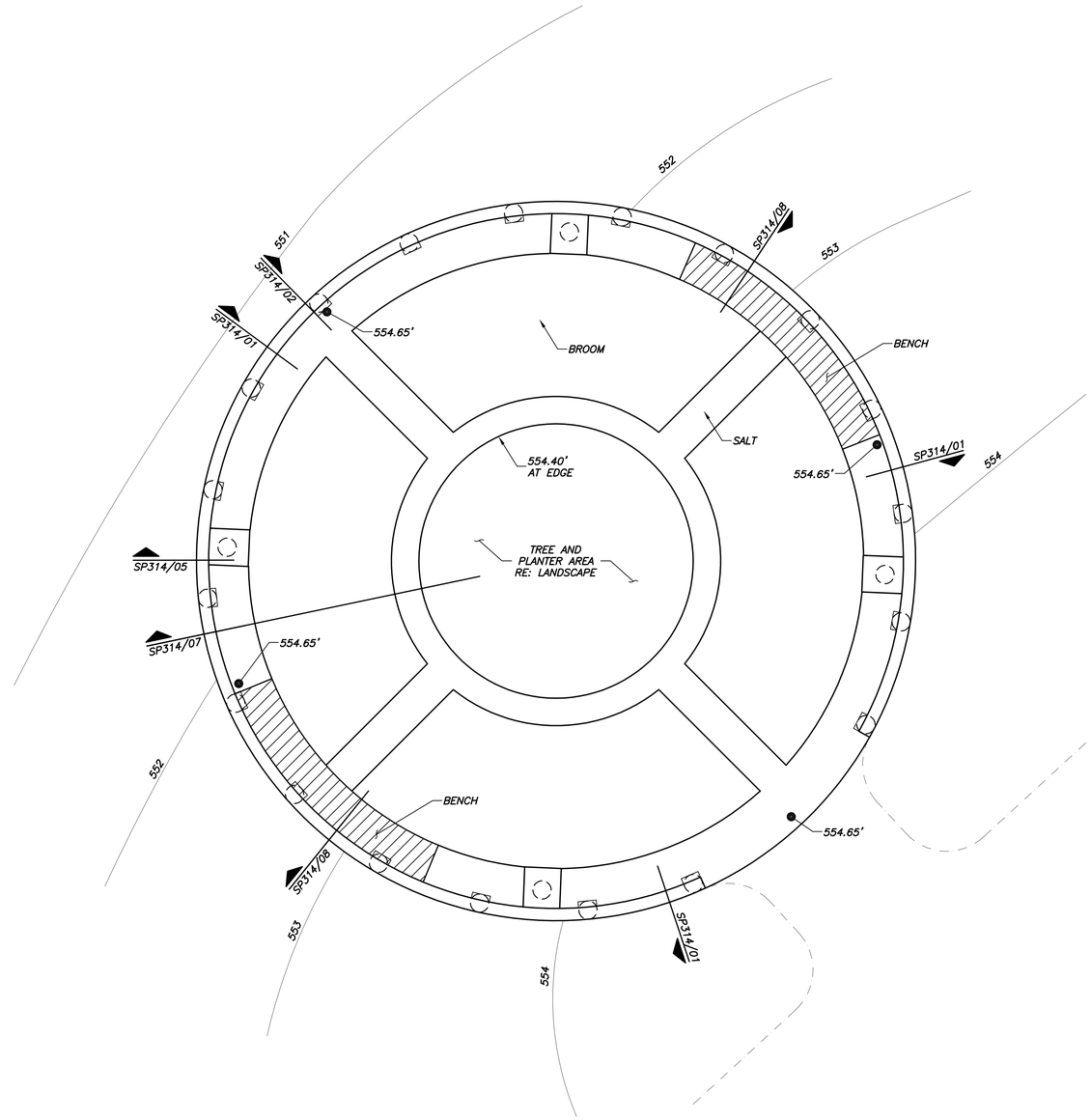
TOWN OF ADDISON
DALLAS COUNTY, TEXAS

PARK AND STREETSCAPE IMPROVEMENTS
VITRUVIAN PARK

SECTIONS & DETAILS

VIEWTECH INC.
Structural Engineers
4205 Beltway Dr. - Addison, Texas 75001
(972) 661-8187 Fax (972) 661-8172

PROJECT	DESIGN	DRAWN	DATE	FILE	SHEET
5029-01	VL	NERF	APRIL 26 2010	PW#2009-04	SP312



01 BELVEDERE PLAN

1/4"=1'-0"

STATE OF TEXAS
VICTOR LISSIAK, JR.
30535
LICENSED
PROFESSIONAL ENGINEER
04/26/10

TEXAS FIRM REG. # F-2658

ISSUED FOR CONSTRUCTION 04/26/10

NO.	REVISION	BY	DATE

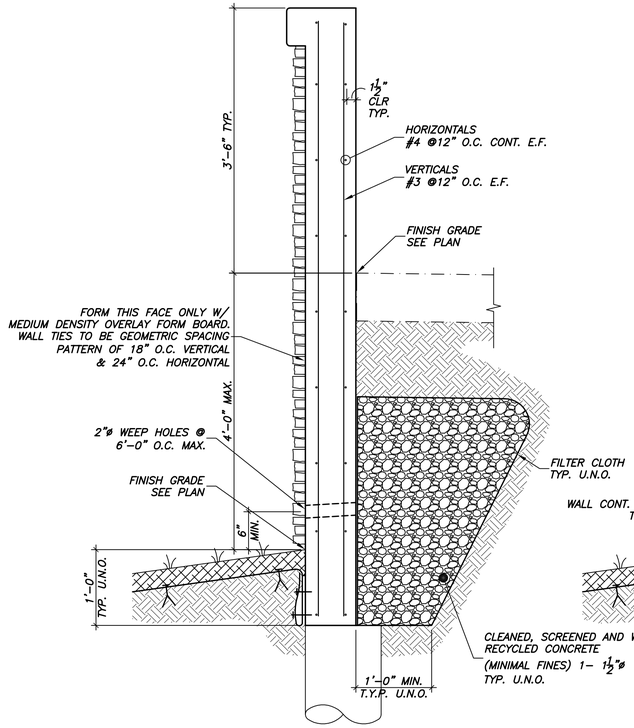
TOWN OF ADDISON
DALLAS COUNTY, TEXAS

PARK AND STREETSCAPE IMPROVEMENTS
VITRUVIAN PARK

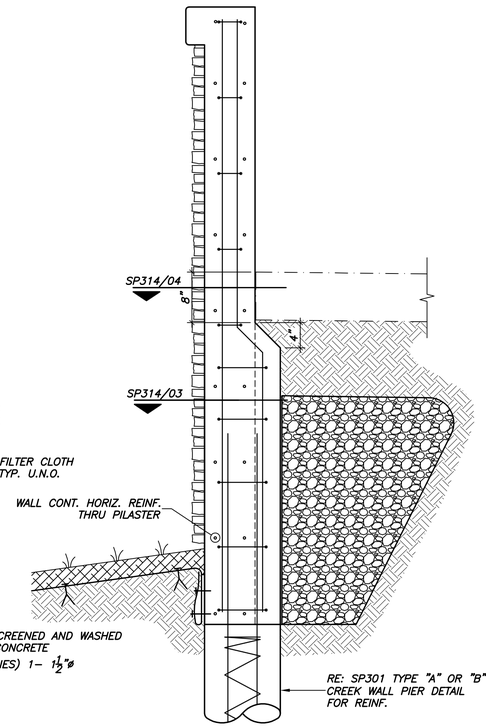
BELVEDERE PLAN

VIEWTECH INC.
Structural Engineers
4205 Beltway Dr. - Addison, Texas 75001
(972) 661-8187 Fax (972) 661-8172

PROJECT	DESIGN	DRAWN	DATE	FILE	SHEET
5029-01	VL	NERF	APRIL 26 2010	PW#2009-04	SP313



01 SECTION
1"=1'-0"



02 SECTION
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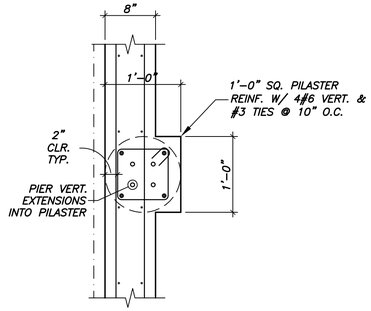

03 SECTION
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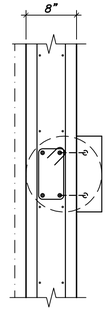

04 SECTION
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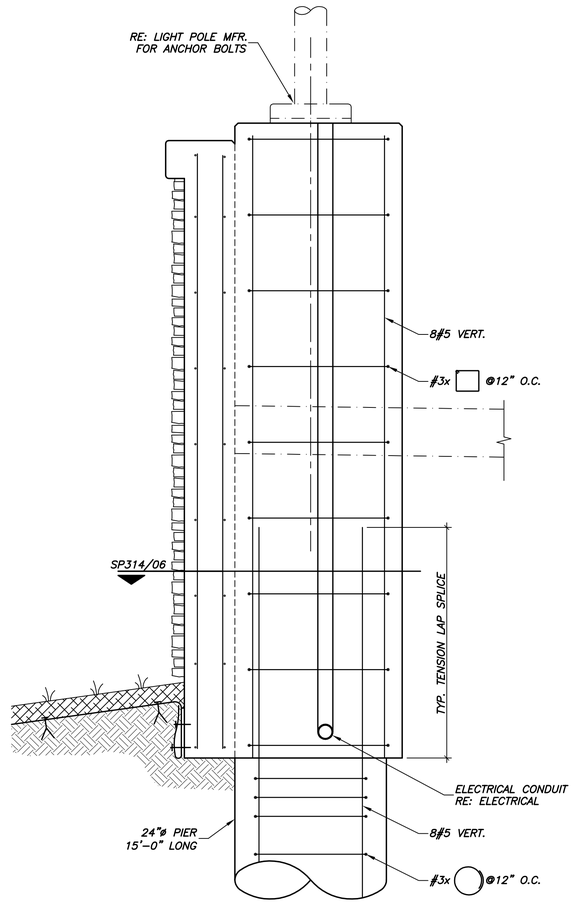

05 SECTION
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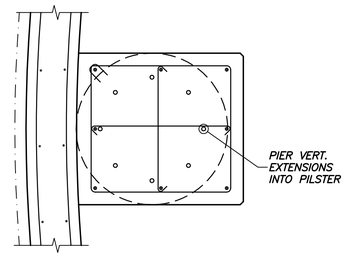

06 SECTION
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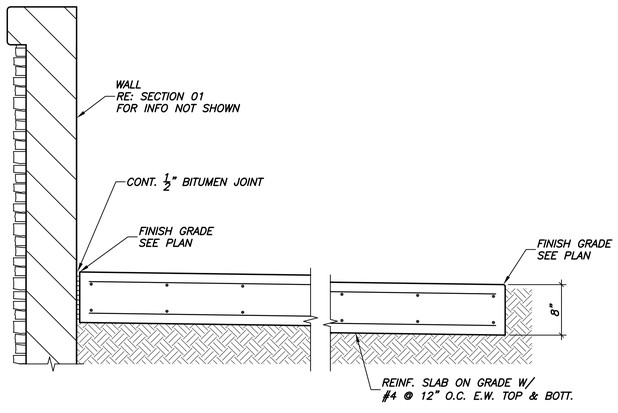

07 SECTION
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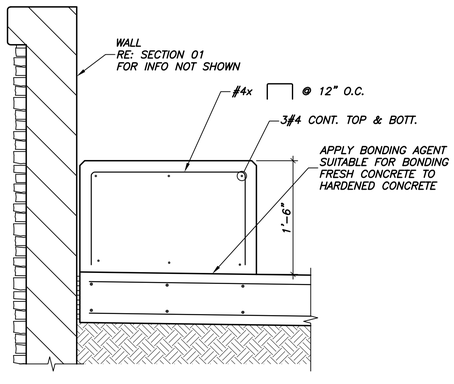


08 SECTION
1"=1'-0"

STATE OF TEXAS
VICTOR LISSIAK, JR.
30535
LICENSED PROFESSIONAL ENGINEER
04/26/10

TEXAS FIRM REG. # F-2658

ISSUED FOR CONSTRUCTION 04/26/10

NO.	REVISION	BY	DATE

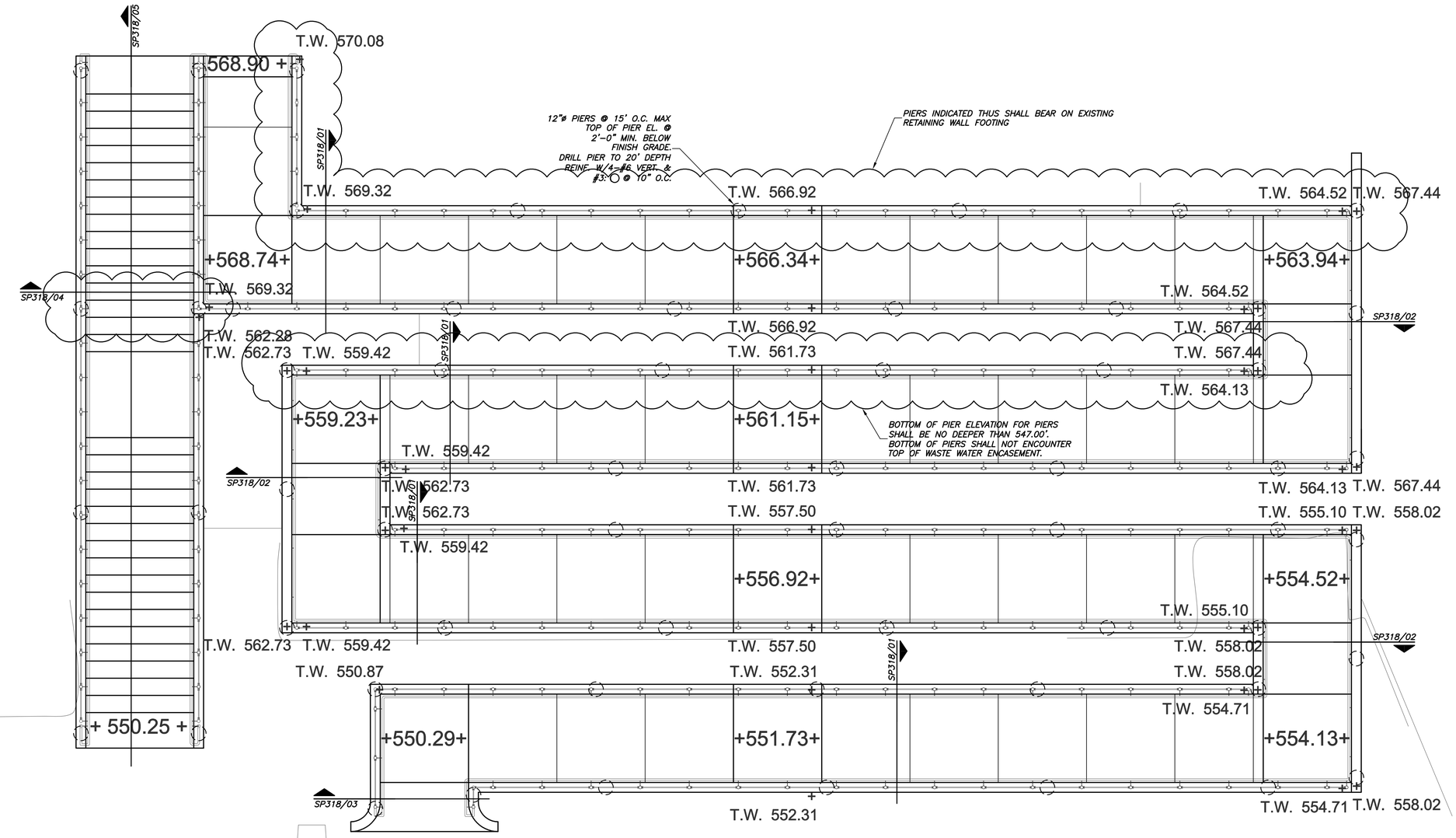
TOWN OF ADDISON
DALLAS COUNTY, TEXAS

PARK AND STREETSCAPE IMPROVEMENTS
VITRUVIAN PARK

SECTIONS & DETAILS

VIEWTECH INC.
Structural Engineers
4205 Beltway Dr. - Addison, Texas 75001
(972) 661-8187 Fax (972) 661-8172

PROJECT	DESIGN	DRAWN	DATE	FILE	SHEET
5029-01	VL	NERF	APRIL 26 2010	PW#2009-04	SP314



01 RAMP & STAIR PLAN
1/4"=1'-0"

STATE OF TEXAS
VICTOR LISSIAK, JR.
30535
LICENSED
PROFESSIONAL ENGINEER
04/28/10
TEXAS FIRM REG. # F-2658

REVISED 04/28/10

NO.	REVISION	BY	DATE
1	MODIFY RAMP GRADES	VL	05-19-10

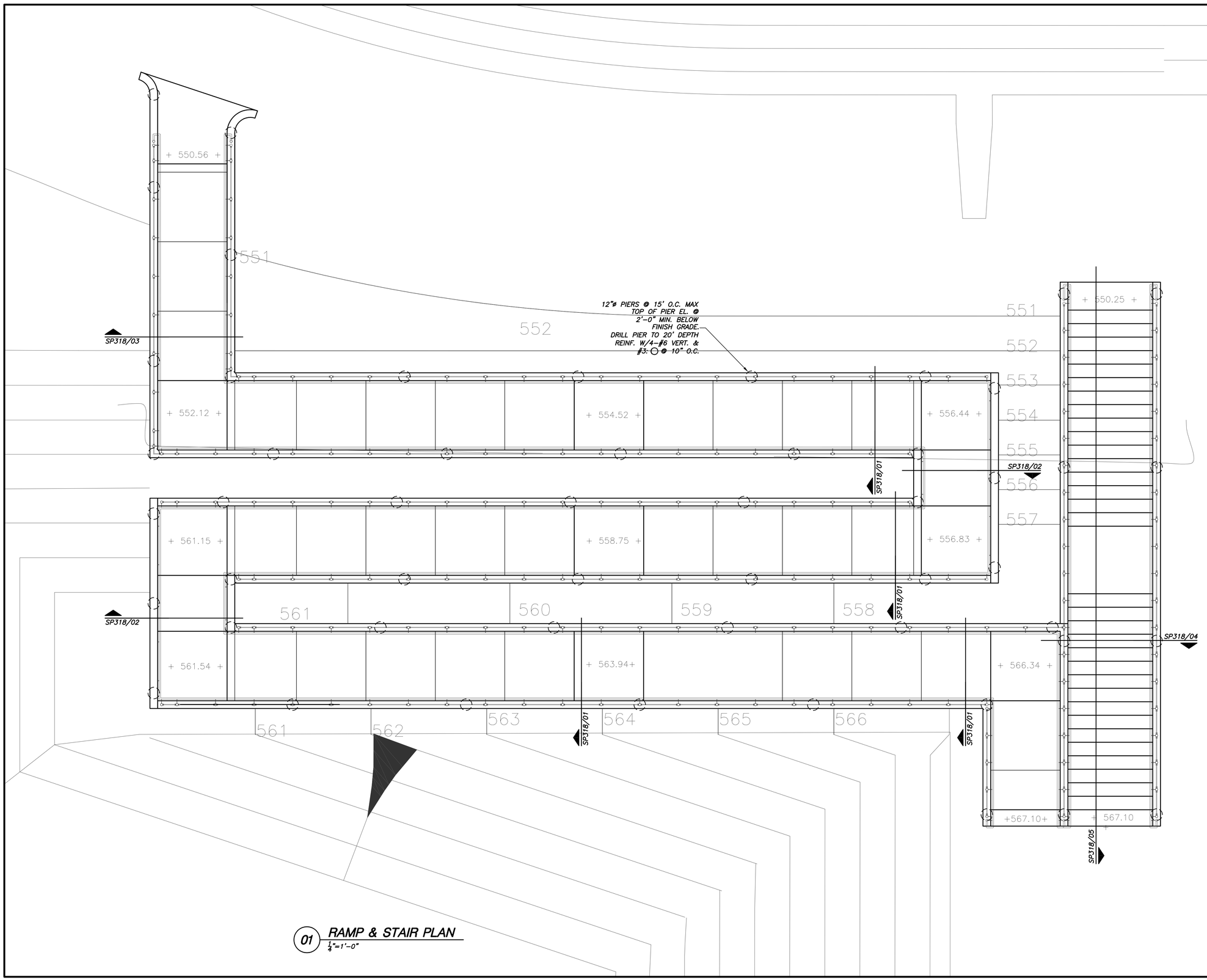
TOWN OF ADDISON
DALLAS COUNTY, TEXAS

PARK AND STREETSCAPE IMPROVEMENTS
VITRUVIAN PARK

PONTE AVE
NORTH EAST RAMP & STAIR PLAN

VIEWTECH INC.
Structural Engineers
4205 Beltway Dr. - Addison, Texas 75001
(972) 661-8187 Fax (972) 661-8172

PROJECT	DESIGN	DRAWN	DATE	FILE	SHEET
5029-01	VL	NERF	APRIL 26 2010	PW#2009-04	SP315



01 RAMP & STAIR PLAN
1/4"=1'-0"

STATE OF TEXAS
VICTOR LISSIAK, JR.
30535
LICENSED
PROFESSIONAL ENGINEER
04/26/10

TEXAS FIRM REG. # F-2658

ISSUED FOR CONSTRUCTION 04/26/10

NO.	REVISION	BY	DATE

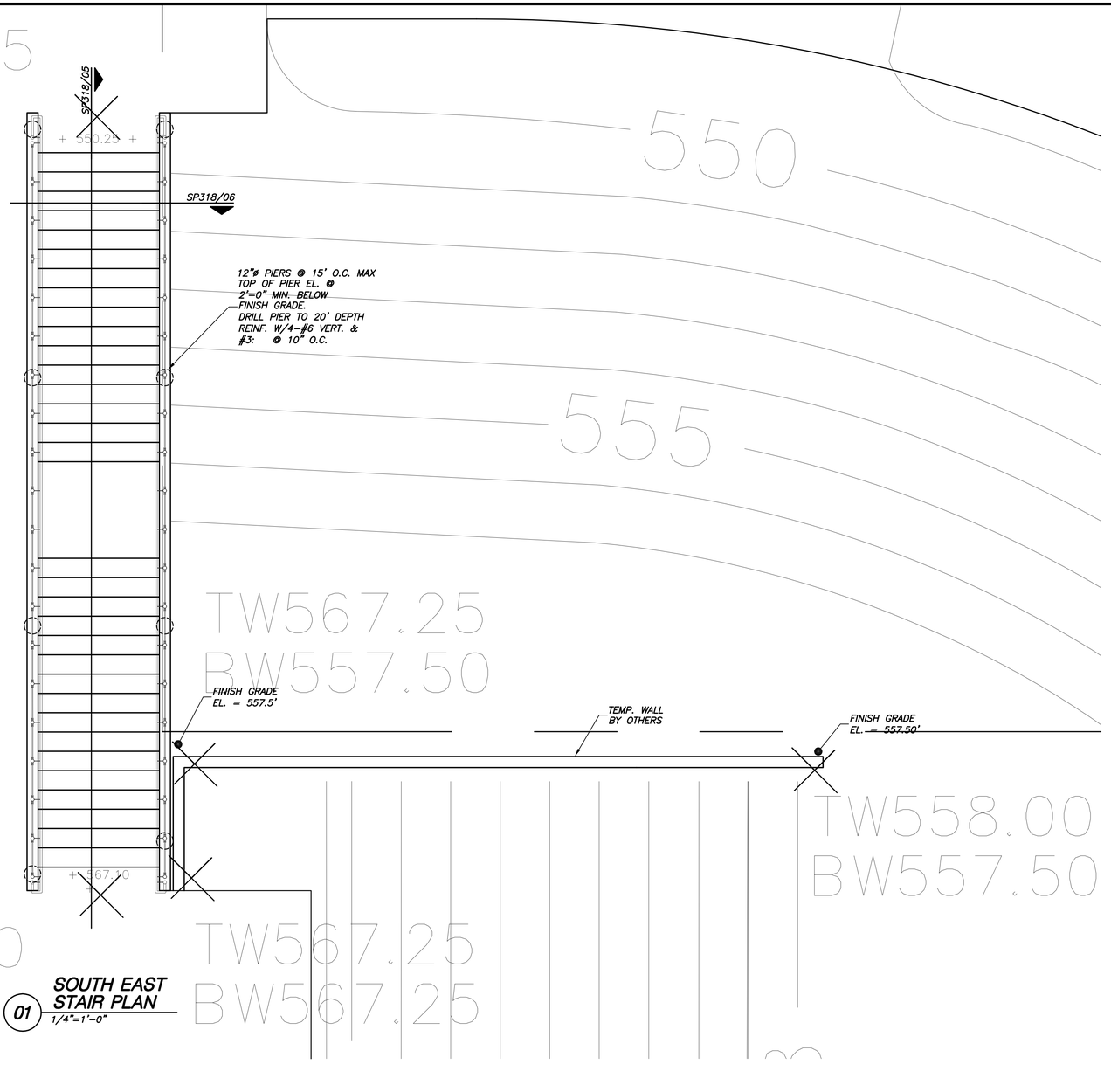
Addison TOWN OF ADDISON
DALLAS COUNTY, TEXAS

PARK AND STREETSCAPE IMPROVEMENTS
VITRUVIAN PARK

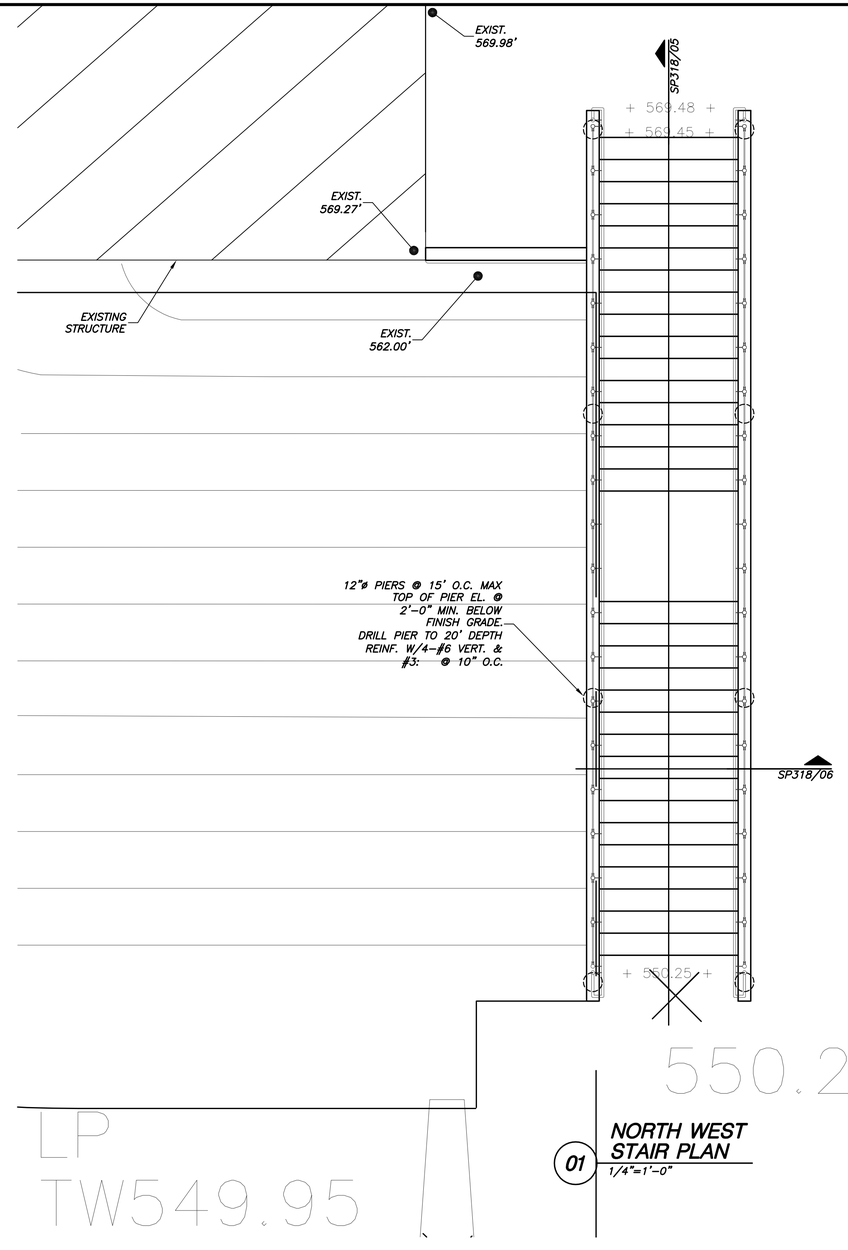
PONTE AVE
SOUTH WEST RAMP & STAIR PLAN

VIEWTECH INC.
Structural Engineers
4205 Beltway Dr. - Addison, Texas 75001
(972) 661-8187 Fax (972) 661-8172

PROJECT	DESIGN	DRAWN	DATE	FILE	SHEET
5029-01	VL	NERF	APRIL 26 2010	PW#2009-04	SP316



01 **SOUTH EAST STAIR PLAN**
1/4"=1'-0"



01 **NORTH WEST STAIR PLAN**
1/4"=1'-0"

VICTOR LISSIAK, JR.
30565
LICENSED
PROFESSIONAL ENGINEER
04/26/10

TEXAS FIRM REG. # F-2658

ISSUED FOR CONSTRUCTION 04/26/10

NO.	REVISION	BY	DATE

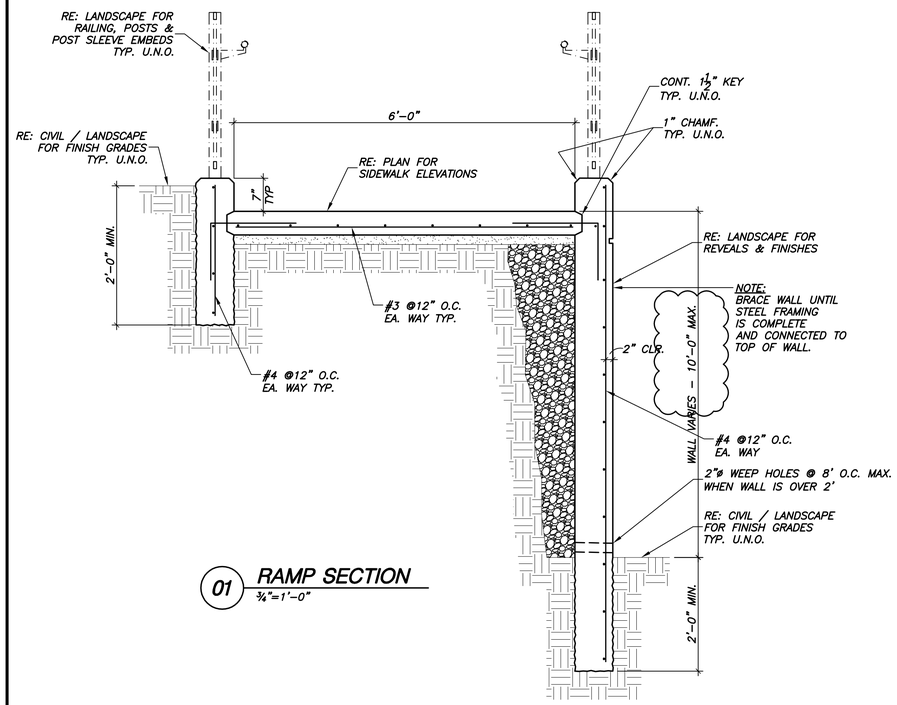
TOWN OF ADDISON
DALLAS COUNTY, TEXAS

PARK AND STREETSCAPE IMPROVEMENTS
VITRUVIAN PARK

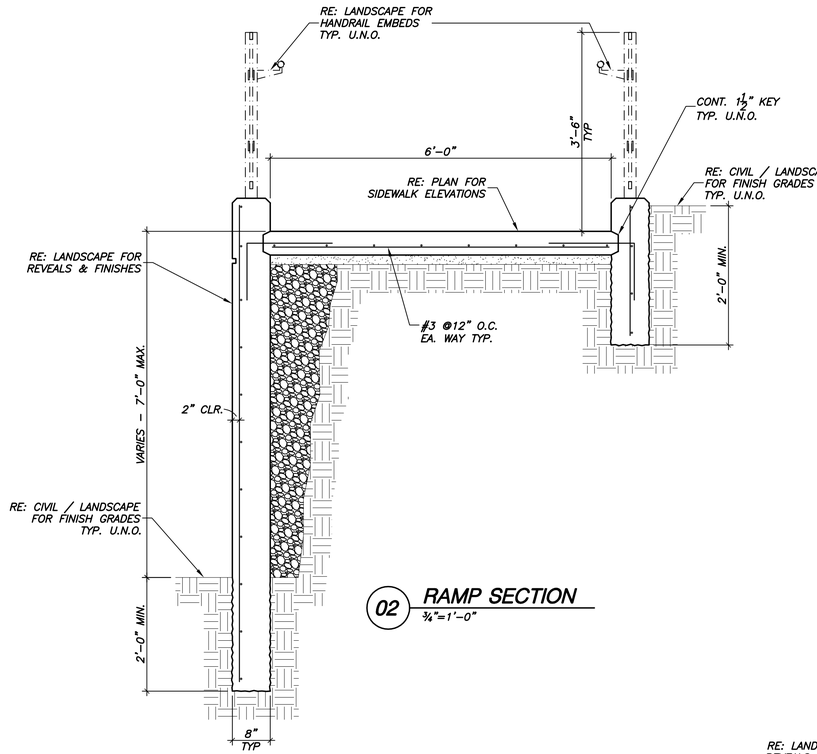
PONTE AVE
STAIR PLANS

VIEWTECH INC.
Structural Engineers
4205 Beltway Dr. - Addison, Texas 75001
(972) 661-8187 Fax (972) 661-8172

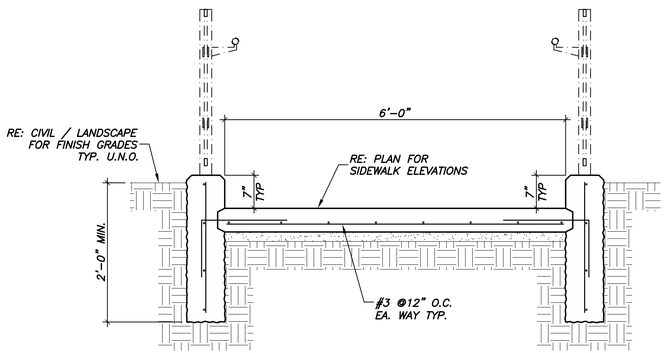
PROJECT	DESIGN	DRAWN	DATE	FILE	SHEET
5029-01	VL	NERF	APRIL 26 2010	PW#2009-04	SP317



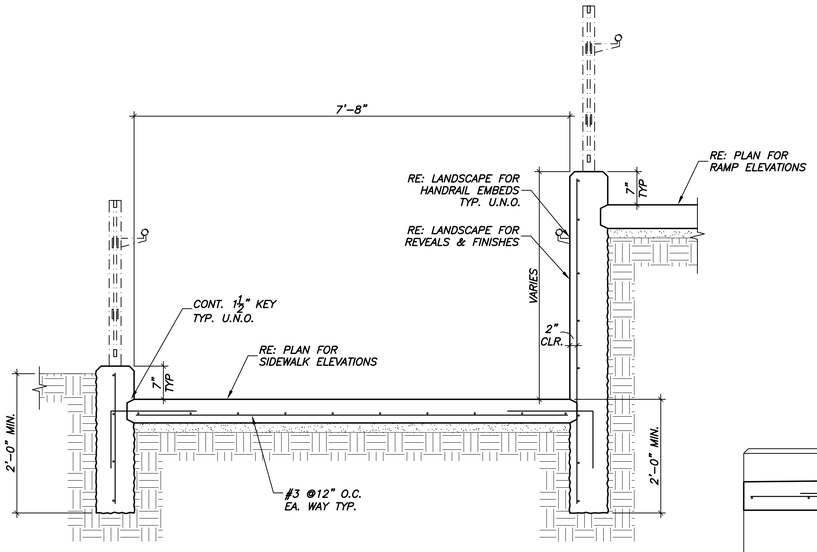
01 RAMP SECTION
¾"=1'-0"



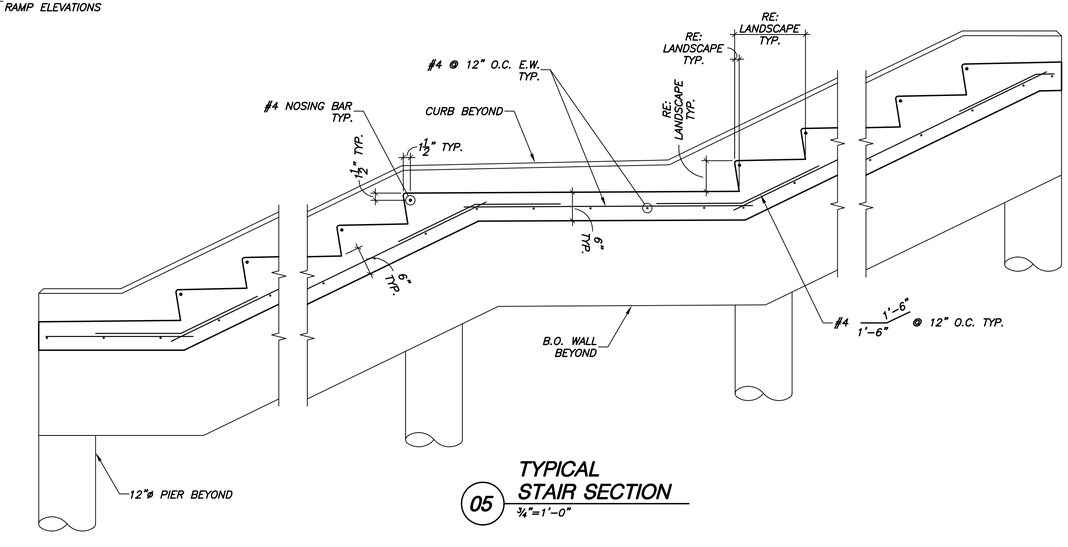
02 RAMP SECTION
¾"=1'-0"



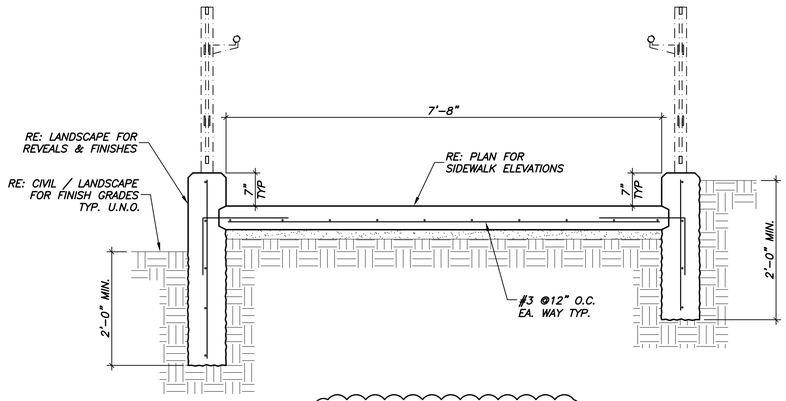
03 TYPICAL RAMP SECTION
¾"=1'-0"



04 STAIR SECTION
¾"=1'-0"



05 TYPICAL STAIR SECTION
¾"=1'-0"



06 TYPICAL STAIR SECTION
¾"=1'-0"

STATE OF TEXAS
VICTOR LISSIAK, JR.
30555
LICENSED PROFESSIONAL ENGINEER
04/26/10
TEXAS FIRM REG. # F-2656

ISSUED FOR CONSTRUCTION 04/26/10

NO.	REVISION	BY	DATE
1	MODIFY MAXIMUM WALL HEIGHT	VL	05-19-10

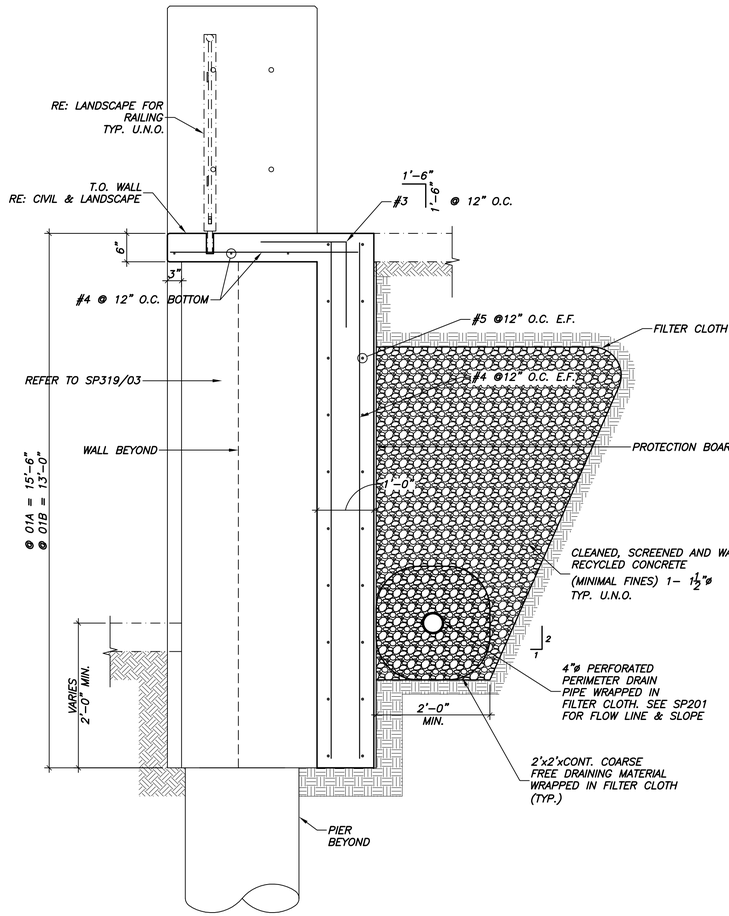
TOWN OF ADDISON
DALLAS COUNTY, TEXAS

PARK AND STREETSCAPE IMPROVEMENTS
VITRUVIAN PARK

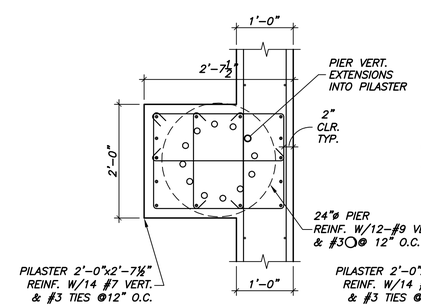
SECTIONS & DETAILS

VIEWTECH INC.
Structural Engineers
4205 Beltway Dr. - Addison, Texas 75001
(972) 661-8187 Fax (972) 661-8172

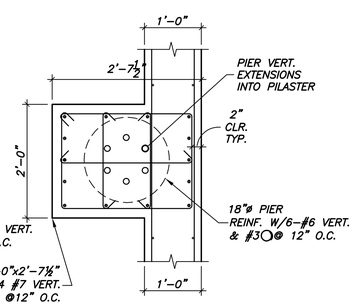
PROJECT	DESIGN	DRAWN	DATE	FILE	SHEET
5029-01	VL	NERF	APRIL 26 2010	PW#2009-04	SP318



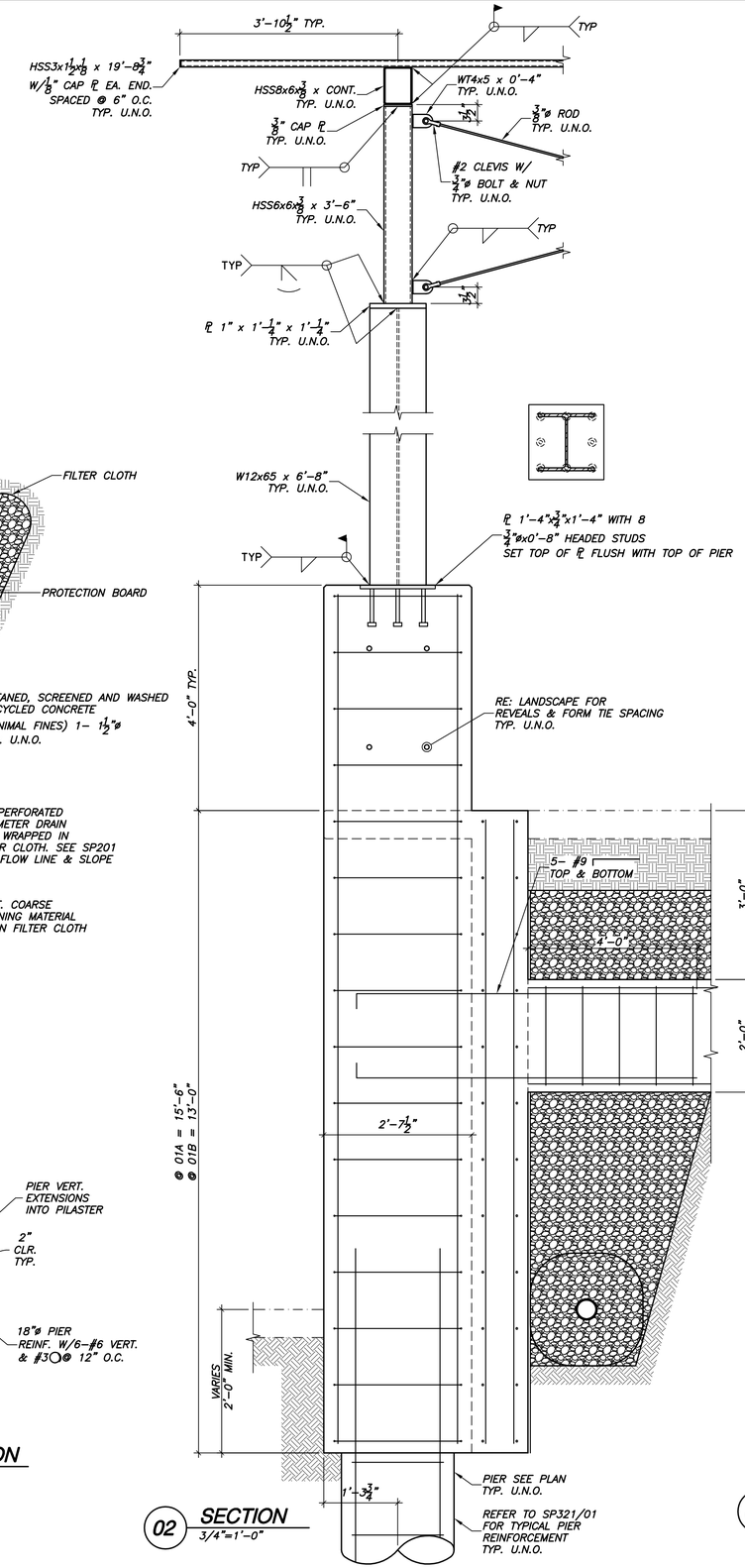
01 **SECTION**
3/4"=1'-0"



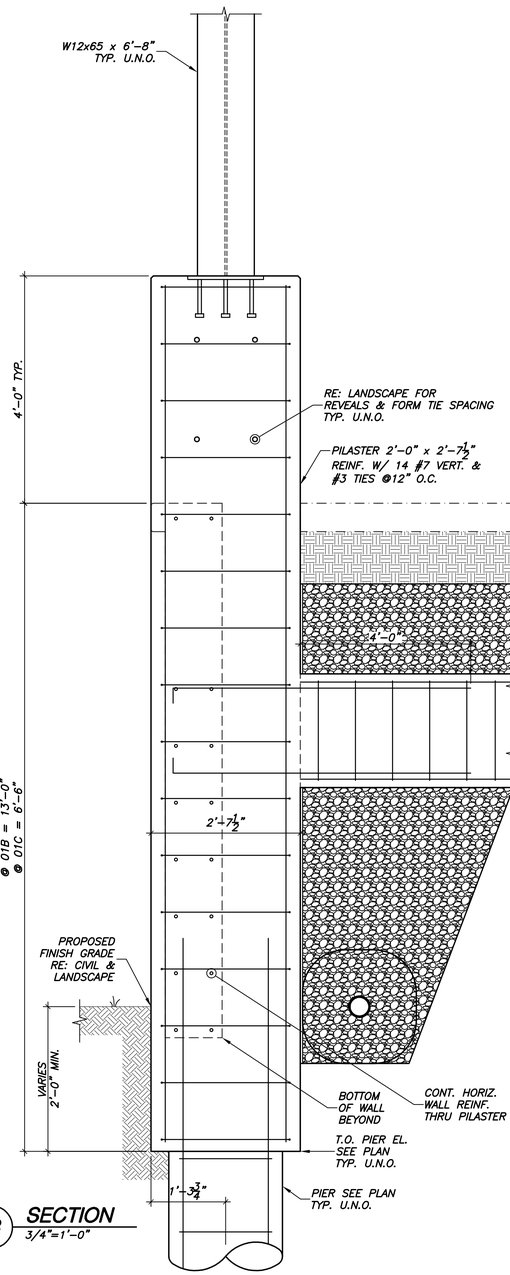
05A **SECTION**
¾"=1'-0"



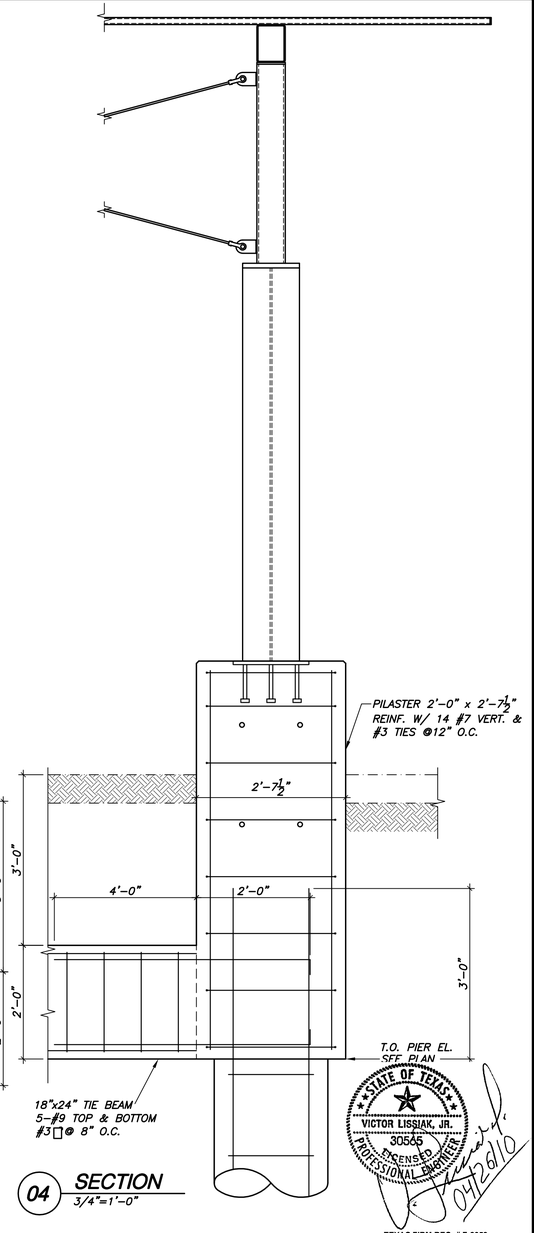
05B **SECTION**
¾"=1'-0"



02 **SECTION**
3/4"=1'-0"



03 **SECTION**
3/4"=1'-0"



04 **SECTION**
3/4"=1'-0"

STATE OF TEXAS
VICTOR LISSIAK, JR.
30565
LICENSED PROFESSIONAL ENGINEER
04/26/10

TEXAS FIRM REG. # F-2658

ISSUED FOR CONSTRUCTION 04/26/10

NO.	REVISION	BY	DATE

Addison

TOWN OF ADDISON
DALLAS COUNTY, TEXAS

PARK AND STREETSCAPE IMPROVEMENTS
VITRUVIAN PARK

SECTIONS & DETAILS

VIEWTECH INC.
Structural Engineers
4205 Beltway Dr. - Addison, Texas 75001
(972) 661-8187 Fax (972) 661-8172

PROJECT	DESIGN	DRAWN	DATE	FILE	SHEET
5029-01	VL	NERF	APRIL 26 2010	PW#2009-04	SP319

NOT USED

01 SECTION
3/4"=1'-0"

NOT USED

02 SECTION
3/4"=1'-0"

NOT USED

03 SECTION
3/4"=1'-0"

STATE OF TEXAS
VICTOR LISSIAK, JR.
30535
LICENSED
PROFESSIONAL ENGINEER
04/26/10

TEXAS FIRM REG. # F-2658

ISSUED FOR CONSTRUCTION 04/26/10

NO.	REVISION	BY	DATE

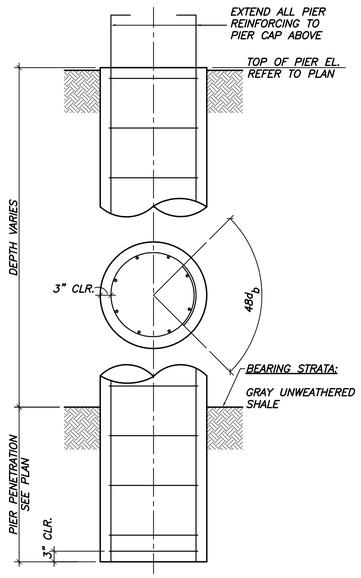
Addison TOWN OF ADDISON
DALLAS COUNTY, TEXAS

PARK AND STREETSCAPE IMPROVEMENTS
VITRUVIAN PARK

SECTIONS & DETAILS

VIEWTECH INC.
Structural Engineers
4205 Beltway Dr. - Addison, Texas 75001
(972) 661-8187 Fax (972) 661-8172

PROJECT	DESIGN	DRAWN	DATE	FILE	SHEET
5029-01	VL	NERF	APRIL 26 2010	PW#2009-04	SP320



TYPICAL PIER REINFORCING:

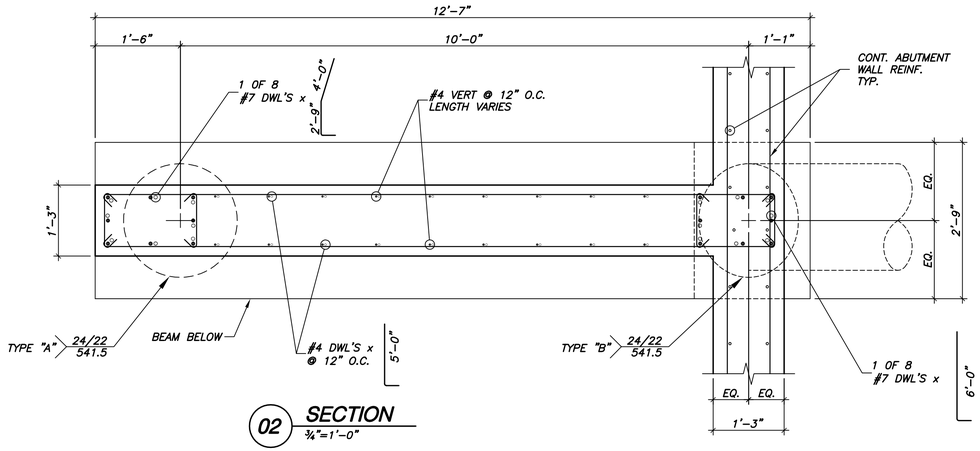
24"ø PIER SHAFT – TYPICAL
12– #9 VERTICAL Fc' = 4000 PSI
TIES:
#3 ◯ @ 12" O.C.

24"ø PIER SHAFT – TYPE "A"
10– #8 VERTICAL Fc' = 4000 PSI
TIES:
#3 ◯ @ 12" O.C.

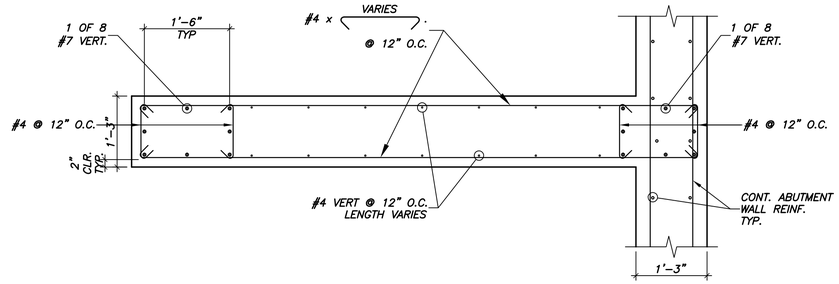
24"ø PIER SHAFT – TYPE "B"
8– #7 VERTICAL Fc' = 4000 PSI
TIES:
#3 ◯ @ 12" O.C.

18"ø PIER SHAFT – TYPICAL
6– #6 VERTICAL Fc' = 4000 PSI
TIES:
#3 ◯ @ 10" O.C.

01 GROTTO PIER DETAIL
N.T.S.

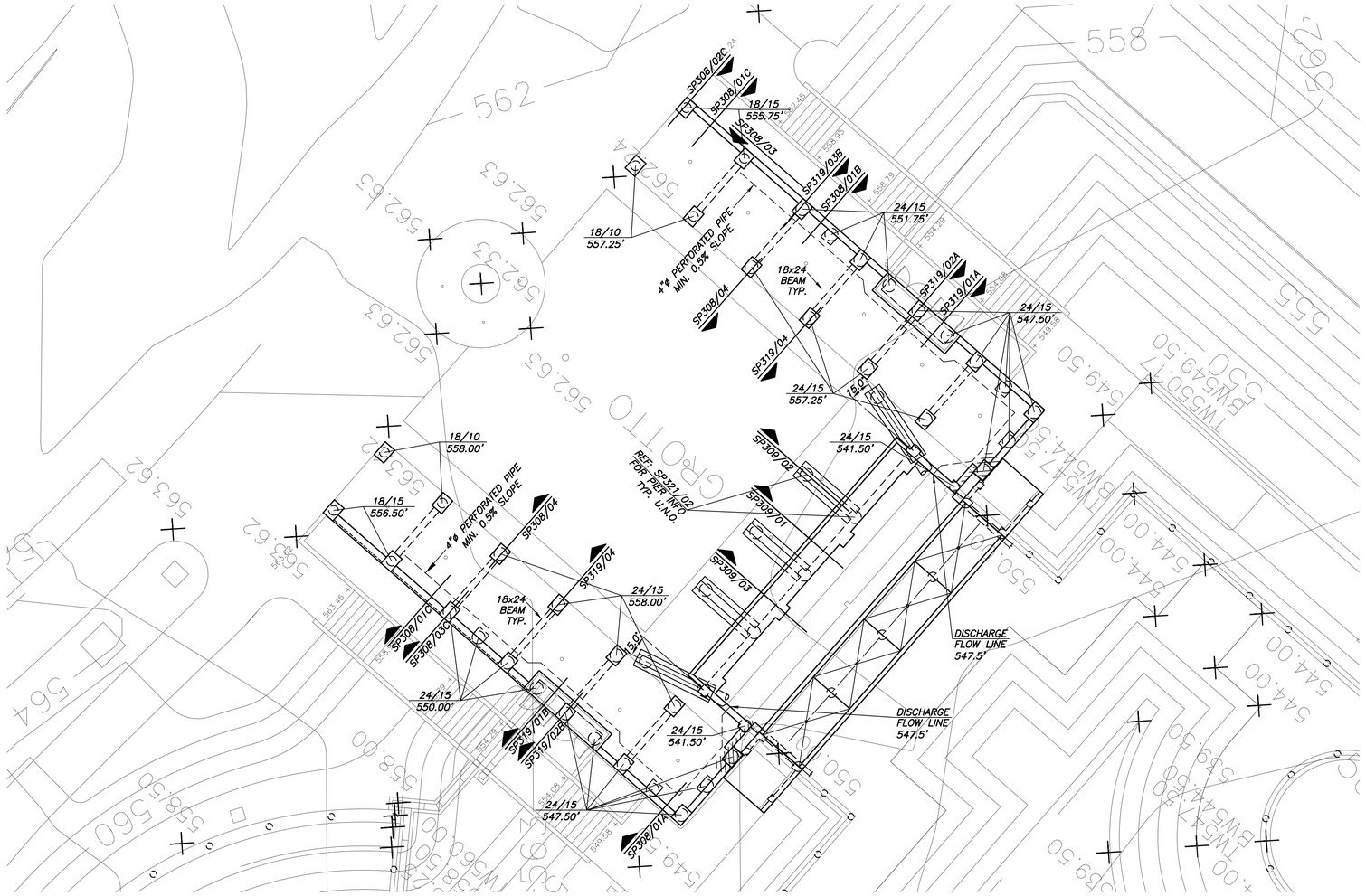


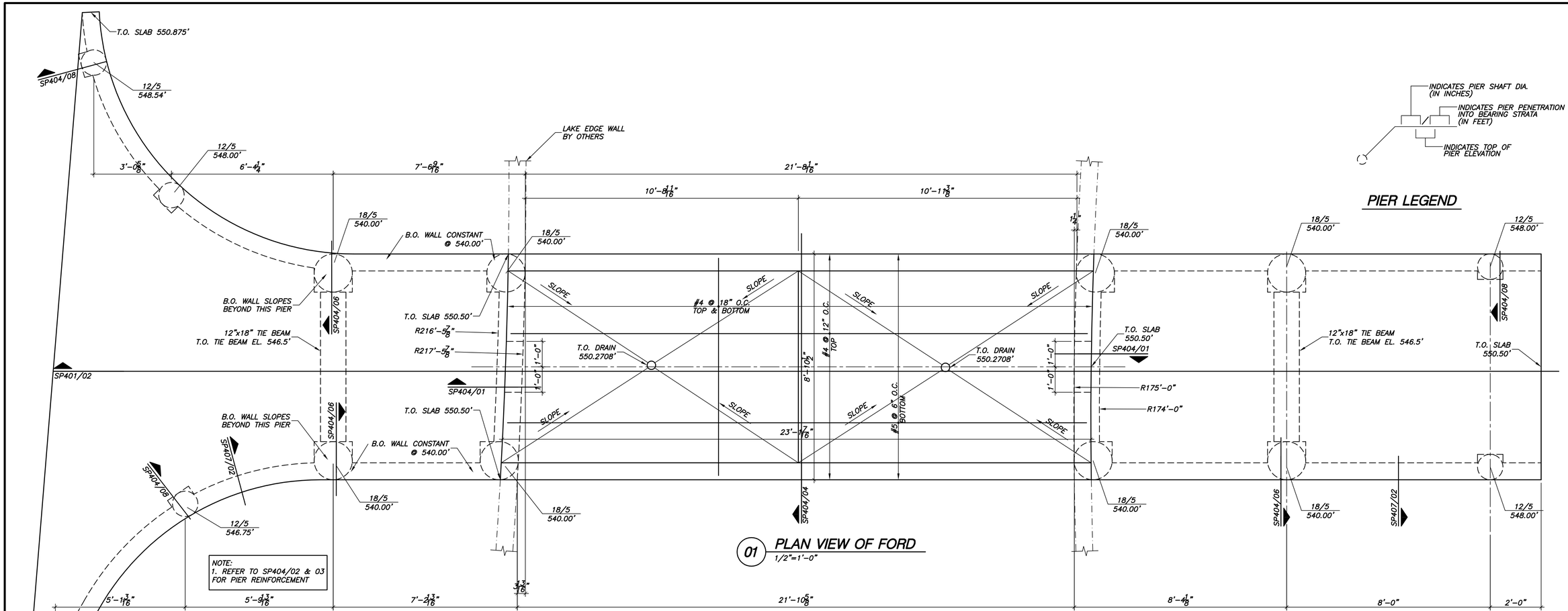
02 SECTION
¾"=1'–0"



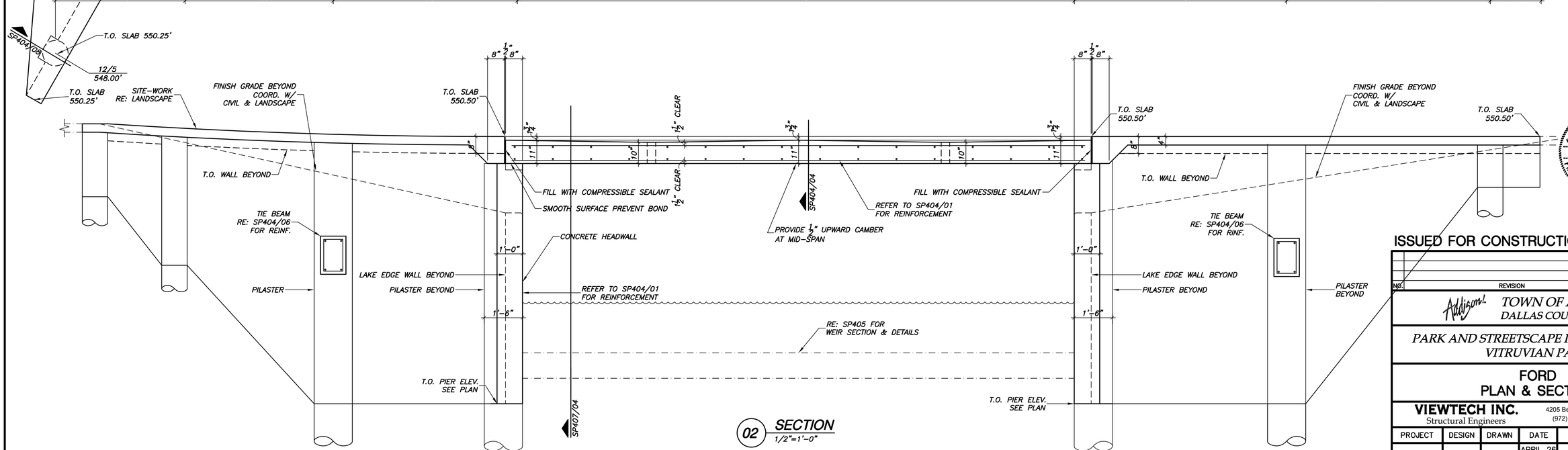
03 SECTION
¾"=1'–0"

04 SECTION
¾"=1'–0"





01 PLAN VIEW OF FORD
1/2"=1'-0"



02 SECTION
1/2"=1'-0"

STATE OF TEXAS
VICTOR LISSIAK, JR.
30535
LICENSED
PROFESSIONAL ENGINEER
04/26/10
TEXAS FIRM REG. # F-2658

ISSUED FOR CONSTRUCTION 04/26/10

NO.	REVISION	BY	DATE

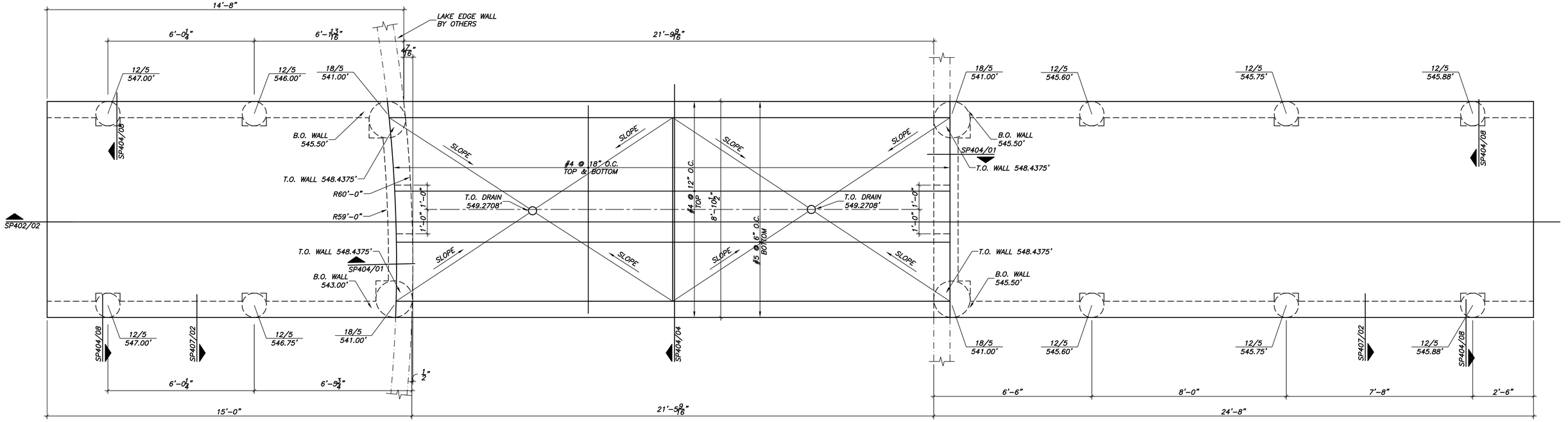
TOWN OF ADDISON
DALLAS COUNTY, TEXAS

PARK AND STREETSCAPE IMPROVEMENTS
VITRUVIAN PARK

FORD
PLAN & SECTION

VIEWTECH INC.
Structural Engineers
4205 Beltway Dr. - Addison, Texas 75001
(972) 661-8187 Fax (972) 661-8172

PROJECT	DESIGN	DRAWN	DATE	FILE	SHEET
5029-01	VL	NERF	APRIL 26 2010	PW#2009-04	SP401

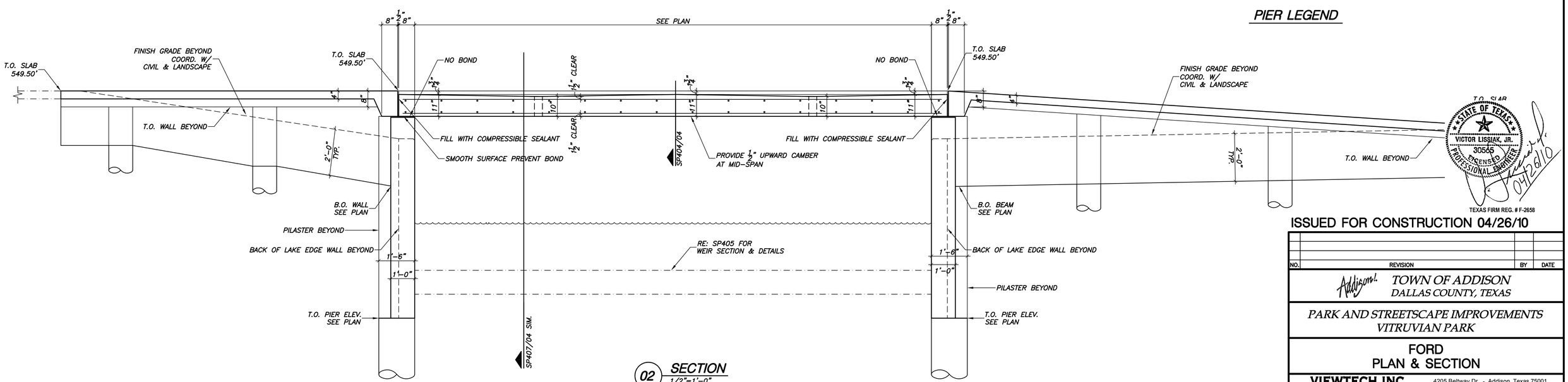


01 PLAN VIEW OF FORD
1/2"=1'-0"

NOTE:
1. REFER TO SP404/02 & 03 FOR PIER REINFORCEMENT

INDICATES PIER SHAFT DIA. (IN INCHES)
INDICATES PIER PENETRATION INTO BEARING STRATA (IN FEET)
INDICATES TOP OF PIER ELEVATION

PIER LEGEND



02 SECTION
1/2"=1'-0"

STATE OF TEXAS
VICTOR LISSIAK, JR.
30555
LICENSED PROFESSIONAL ENGINEER
04/26/10
TEXAS FIRM REG. # F-2658

ISSUED FOR CONSTRUCTION 04/26/10

NO.	REVISION	BY	DATE

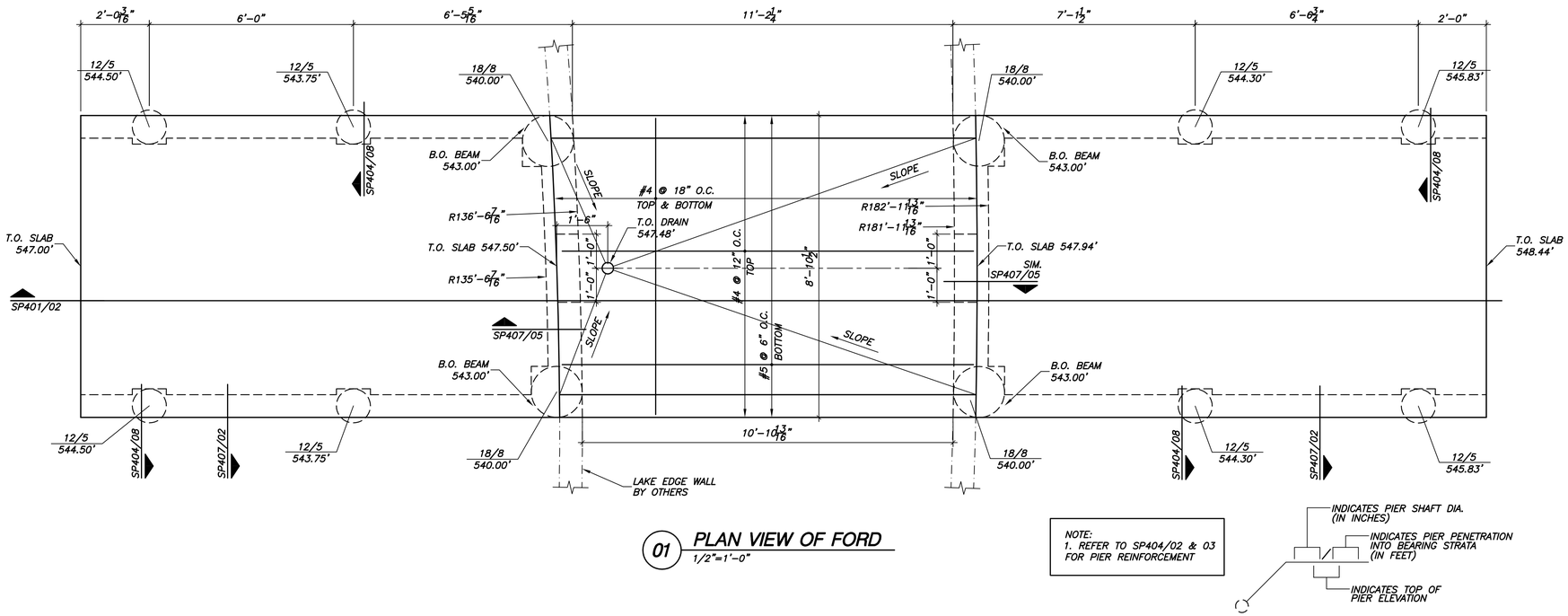
TOWN OF ADDISON
DALLAS COUNTY, TEXAS

PARK AND STREETSCAPE IMPROVEMENTS
VITRUVIAN PARK

FORD
PLAN & SECTION

VIEWTECH INC.
Structural Engineers
4205 Beltway Dr. - Addison, Texas 75001
(972) 661-8187 Fax (972) 661-8172

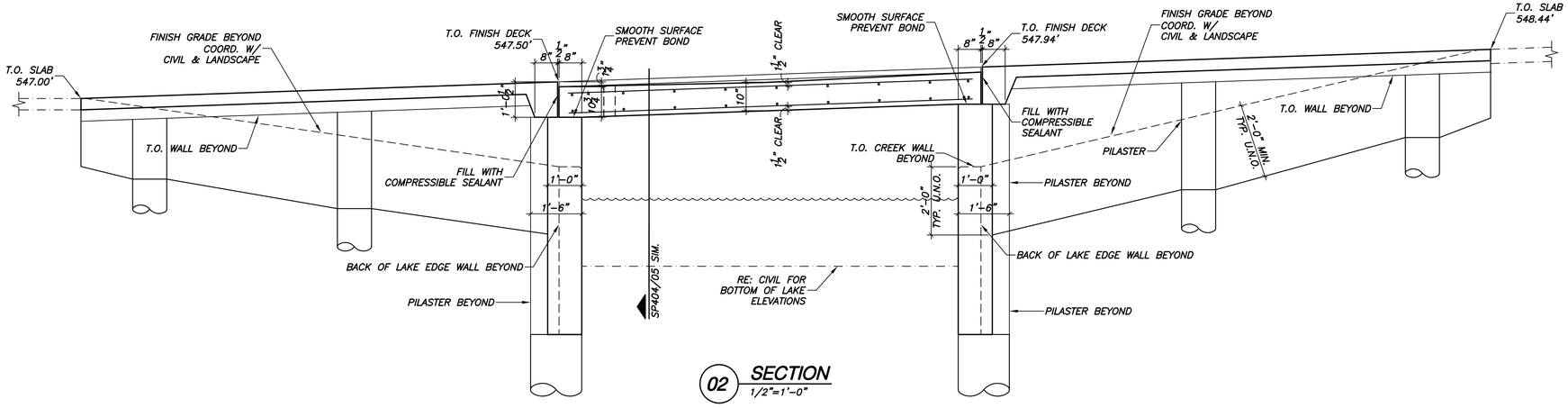
PROJECT	DESIGN	DRAWN	DATE	FILE	SHEET
5029-01	VL	NERF	APRIL 26 2010	PW#2009-04	SP402



01 PLAN VIEW OF FORD
1/2"=1'-0"

NOTE:
1. REFER TO SP404/02 & 03 FOR PIER REINFORCEMENT

PIER LEGEND



02 SECTION
1/2"=1'-0"

STATE OF TEXAS
VICTOR LISSIAK, JR.
30535
LICENSED
PROFESSIONAL ENGINEER
04/26/10

TEXAS FIRM REG. # F-2658

ISSUED FOR CONSTRUCTION 04/26/10

NO.	REVISION	BY	DATE

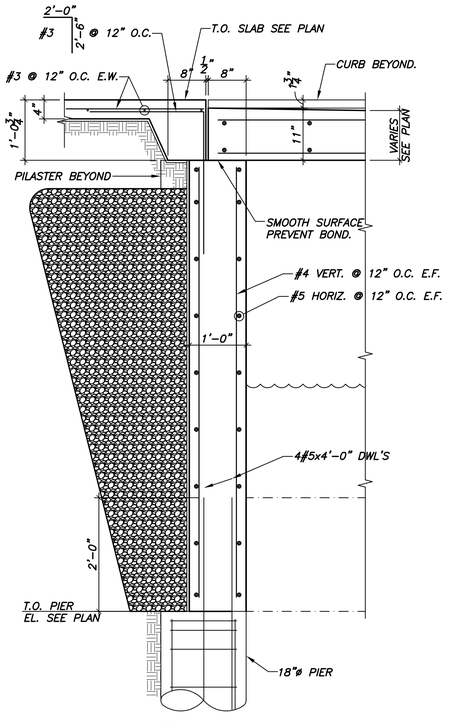
TOWN OF ADDISON
DALLAS COUNTY, TEXAS

PARK AND STREETSCAPE IMPROVEMENTS
VITRUVIAN PARK

FORD
PLAN & SECTION

VIEWTECH INC.
Structural Engineers
4205 Beltway Dr. - Addison, Texas 75001
(972) 661-8187 Fax (972) 661-8172

PROJECT	DESIGN	DRAWN	DATE	FILE	SHEET
5029-01	VL	NERF	APRIL 26 2010	PW#2009-04	SP403



01 SECTION
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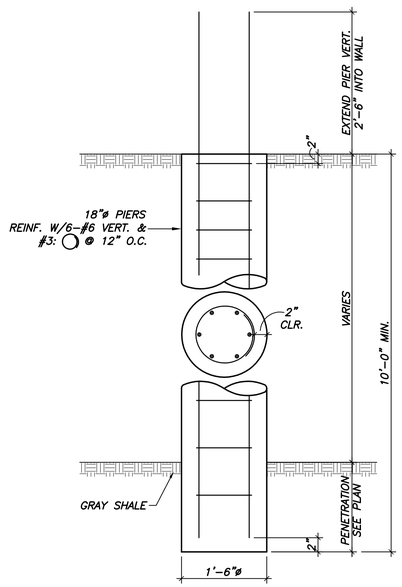

02 TYPICAL 18" DIAMETER PIER
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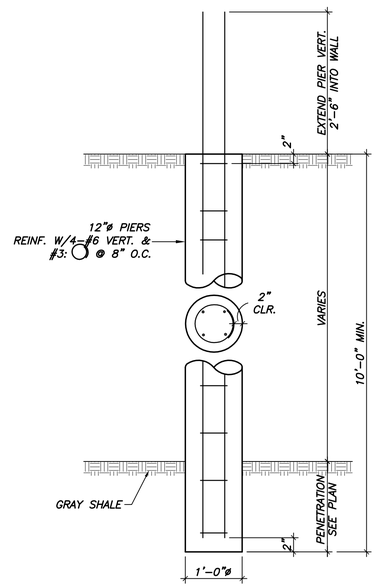

03 TYPICAL 12" DIAMETER PIER
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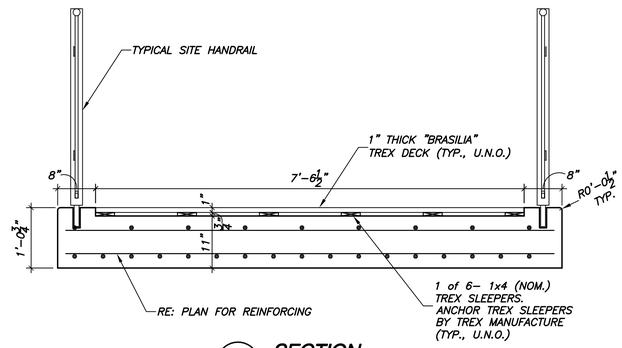

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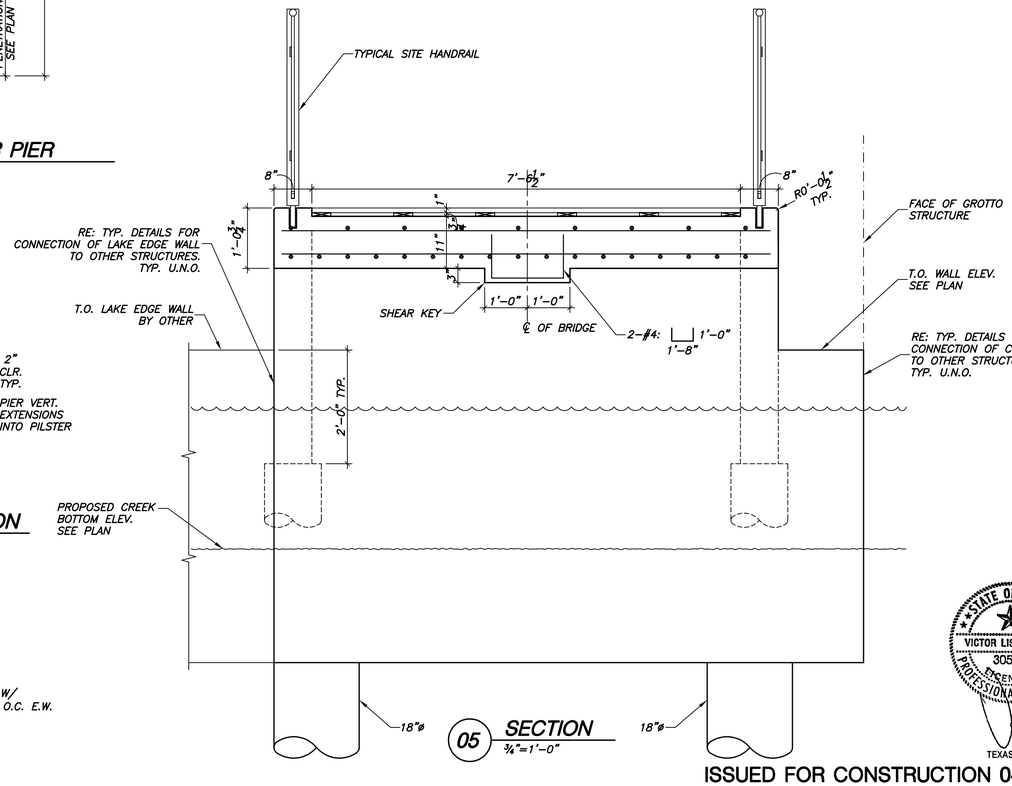

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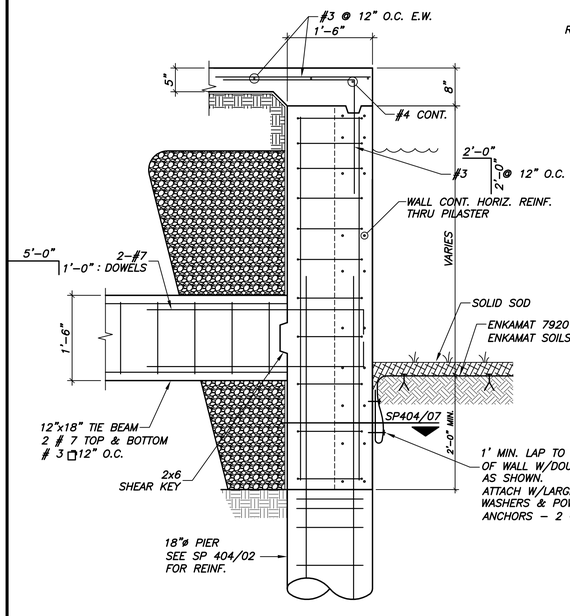

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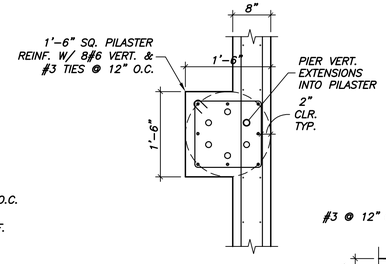

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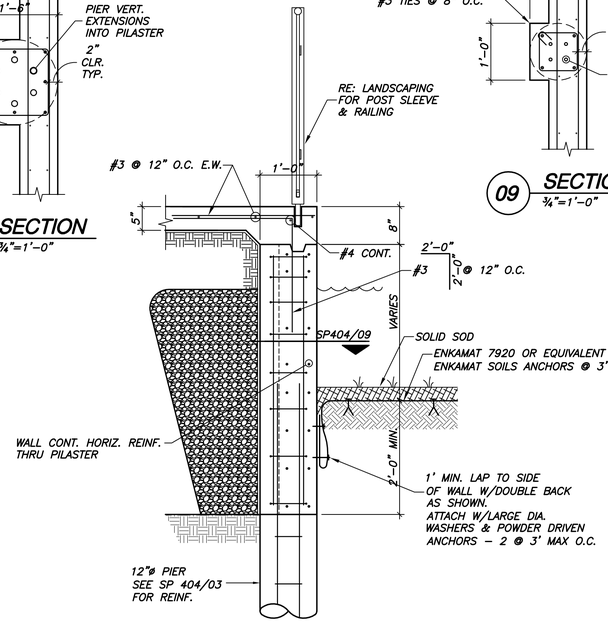

08 SECTION
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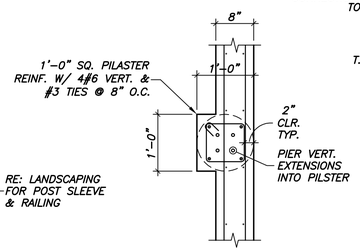


09 SECTION
3/4"=1'-0"

STATE OF TEXAS
VICTOR LISSIAK, JR.
30535
LICENSED PROFESSIONAL ENGINEER
04/26/10
TEXAS FIRM REG. # F-2658

ISSUED FOR CONSTRUCTION 04/26/10

NO.	REVISION	BY	DATE

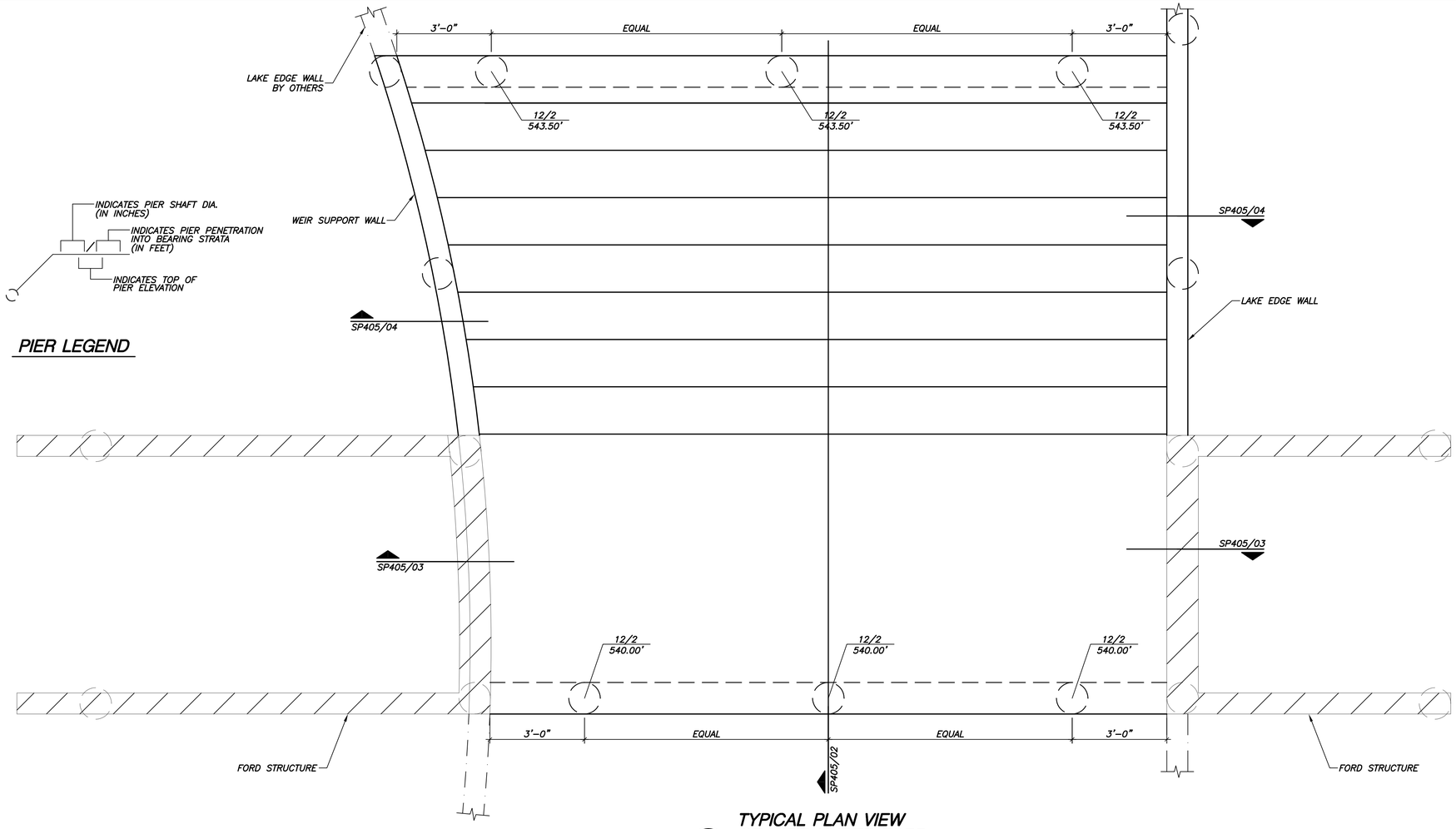
Addison TOWN OF ADDISON
DALLAS COUNTY, TEXAS

PARK AND STREETSCAPE IMPROVEMENTS
VITRUVIAN PARK

SECTIONS & DETAILS

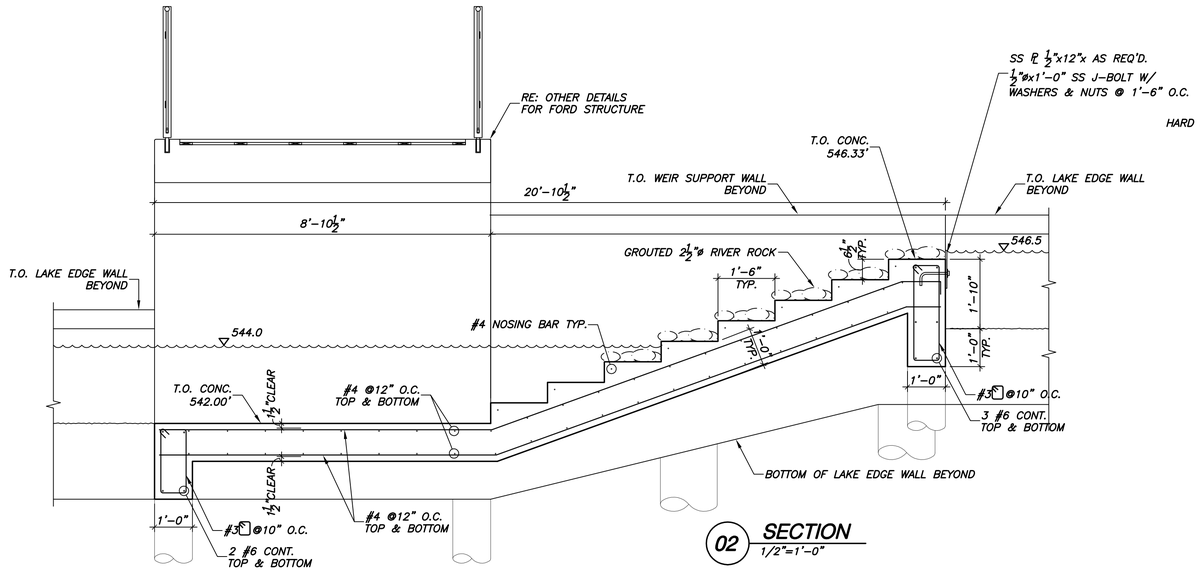
VIEWTECH INC.
Structural Engineers
4205 Beltway Dr. - Addison, Texas 75001
(972) 661-8187 Fax (972) 661-8172

PROJECT	DESIGN	DRAWN	DATE	FILE	SHEET
5029-01	VL	NERF	APRIL 26 2010	PW#2009-04	SP404



PIER LEGEND

01 TYPICAL PLAN VIEW OF WEIR UNDER FORD
1/2"=1'-0"



02 SECTION
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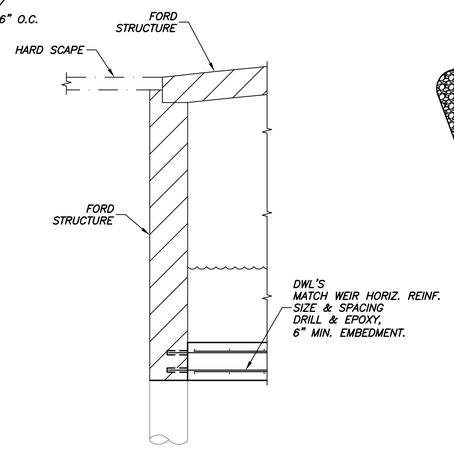

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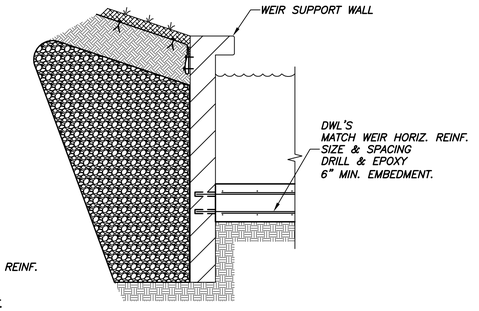

04 SECTION
1/2"=1'-0"

STATE OF TEXAS
VICTOR LISSIAK, JR.
30535
LICENSED PROFESSIONAL ENGINEER
04/26/10
TEXAS FIRM REG. # F-2658

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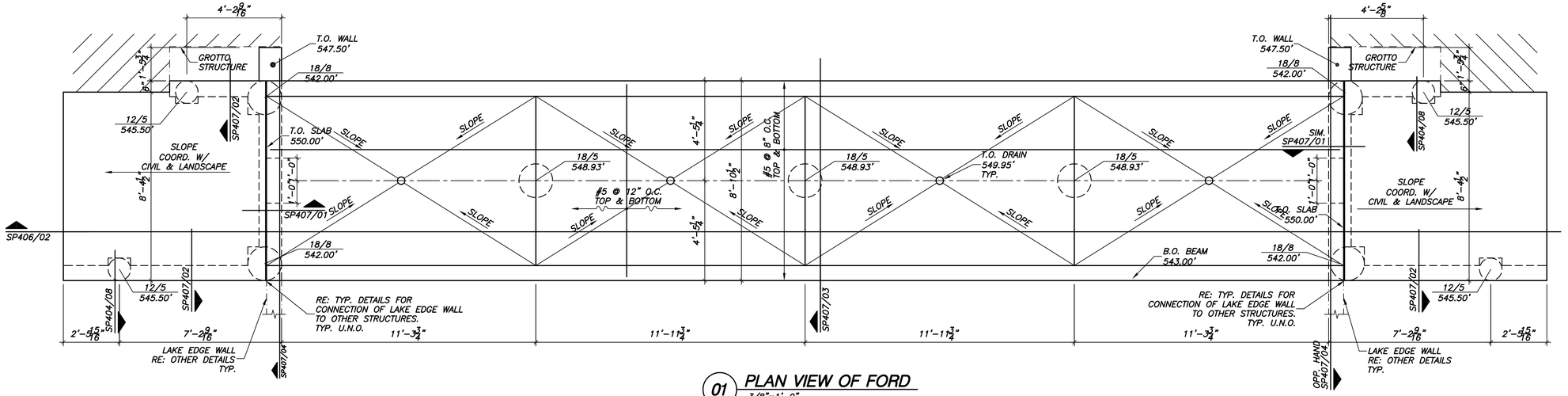
Addison TOWN OF ADDISON
DALLAS COUNTY, TEXAS

PARK AND STREETSCAPE IMPROVEMENTS
VITRUVIAN PARK

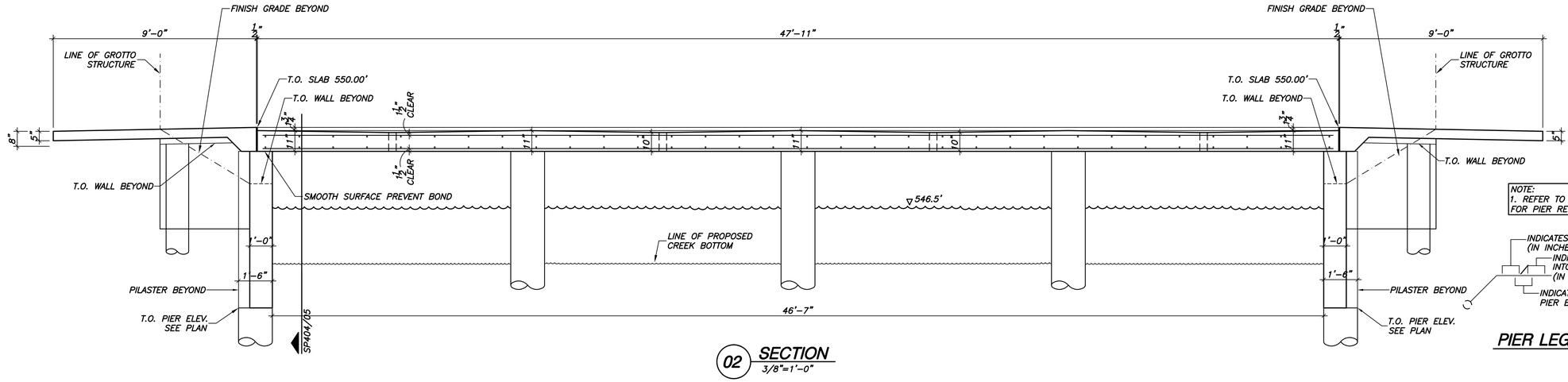
TYPICAL WEIR SECTIONS & DETAILS

VIEWTECH INC.
Structural Engineers
4205 Beltway Dr. - Addison, Texas 75001
(972) 661-8187 Fax (972) 661-8172

PROJECT	DESIGN	DRAWN	DATE	FILE	SHEET
5029-01	VL	NERF	APRIL 26 2010	PW#2009-04	SP405

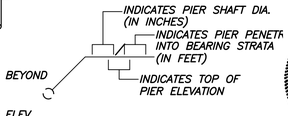


01 PLAN VIEW OF FORD
3/8"=1'-0"



02 SECTION
3/8"=1'-0"

NOTE:
1. REFER TO SP404/02 & 03 FOR PIER REINFORCEMENT



PIER LEGEND

STATE OF TEXAS
VICTOR LISSIAK, JR.
30535
LICENSED PROFESSIONAL ENGINEER
04/26/10

TEXAS FIRM REG. # F-2658

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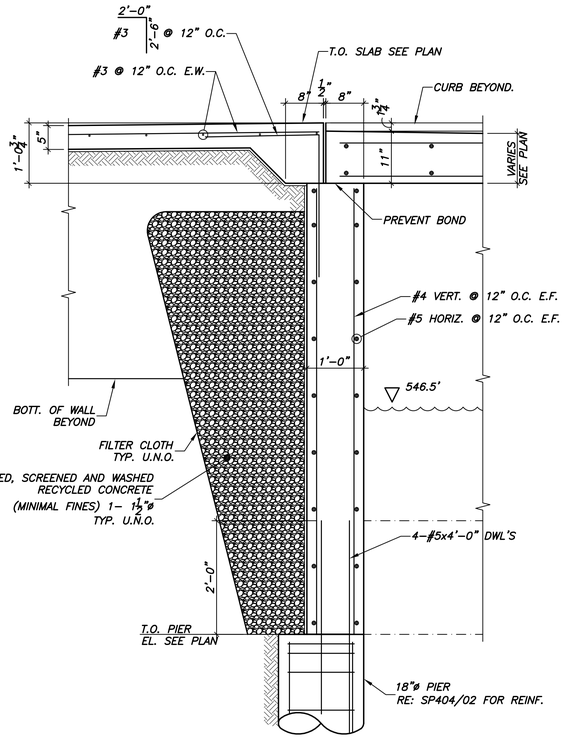
TOWN OF ADDISON
DALLAS COUNTY, TEXAS

PARK AND STREETSCAPE IMPROVEMENTS
VITRUVIAN PARK

FORD
PLAN & SECTION

VIEWTECH INC.
Structural Engineers
4205 Beltway Dr. - Addison, Texas 75001
(972) 661-8187 Fax (972) 661-8172

PROJECT	DESIGN	DRAWN	DATE	FILE	SHEET
5029-01	VL	NERF	APRIL 26 2010	PW#2009-04	SP406



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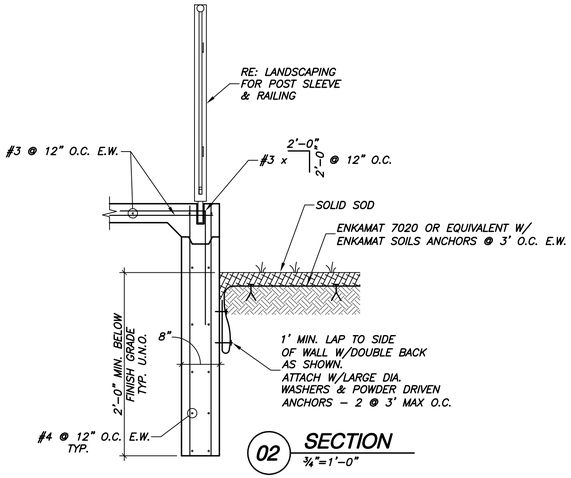

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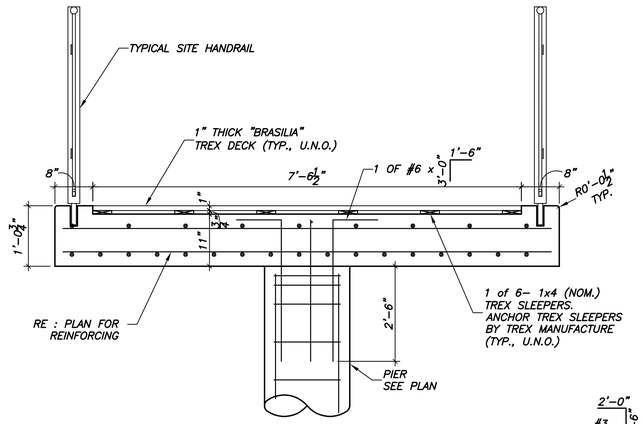

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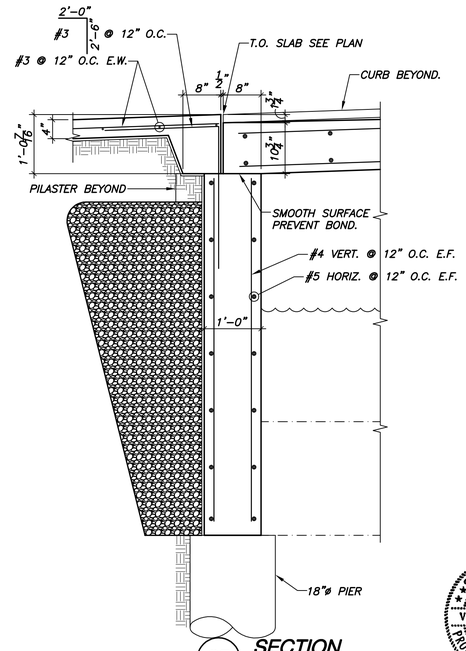

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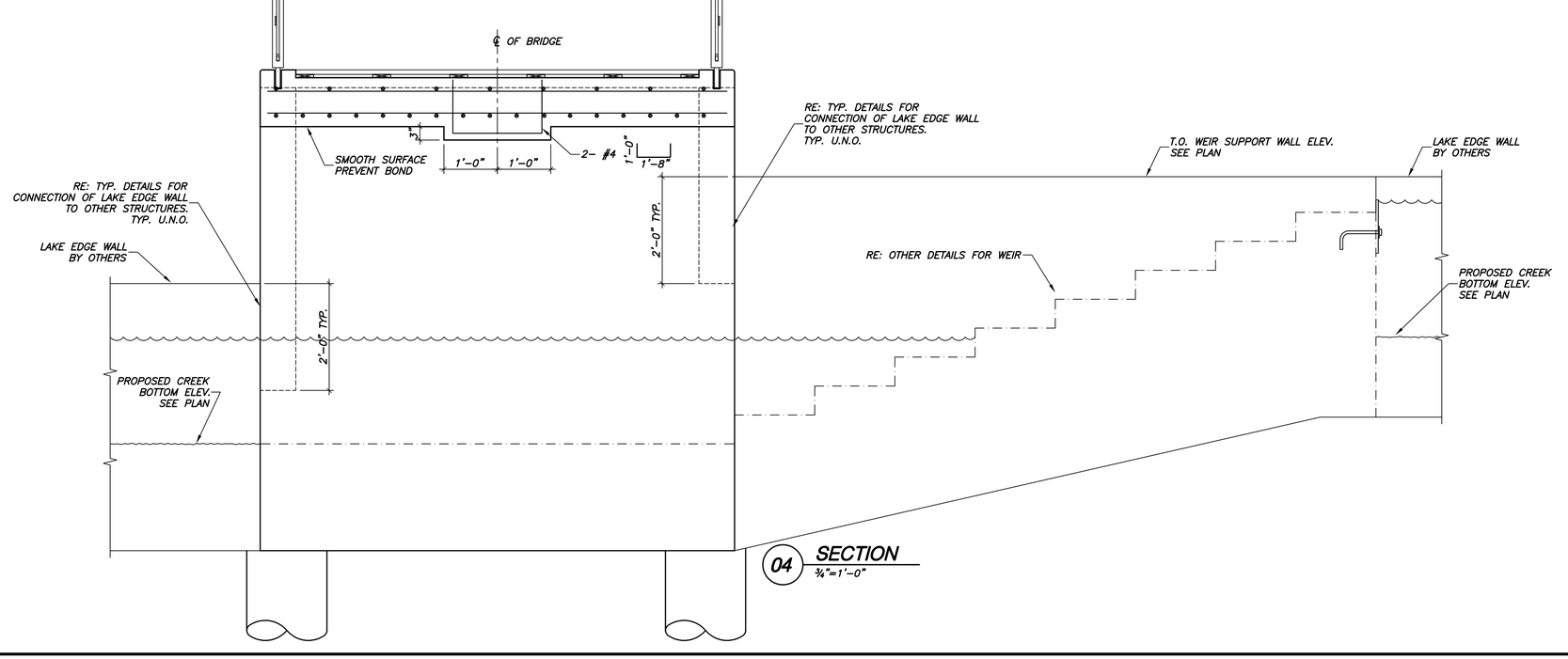


04 SECTION
3/4"=1'-0"

STATE OF TEXAS
VICTOR LISSIAK, JR.
30555
LICENSED PROFESSIONAL ENGINEER
04/26/10

TEXAS FIRM REG. # F-2658

ISSUED FOR CONSTRUCTION 04/26/10

NO.	REVISION	BY	DATE

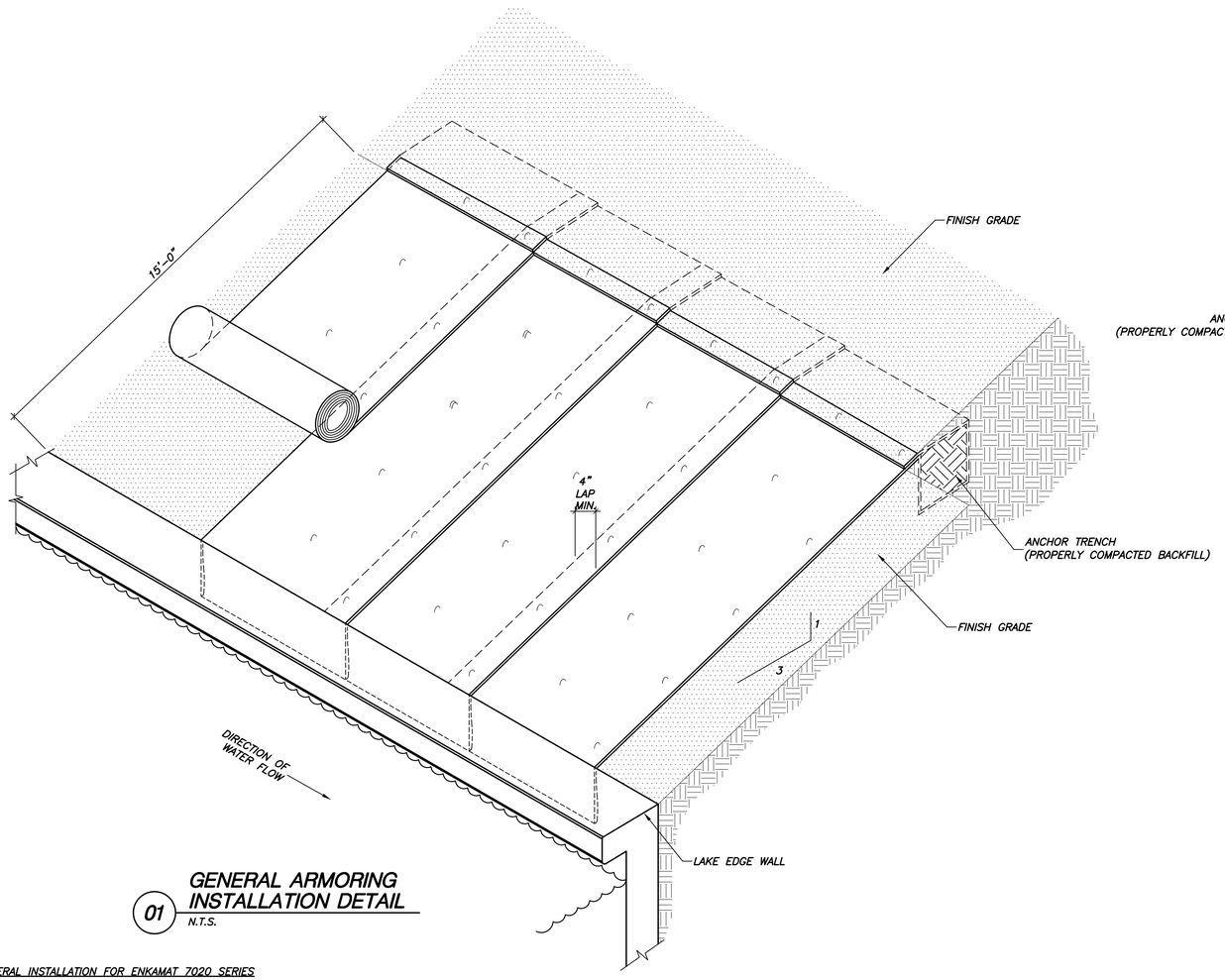
Addison TOWN OF ADDISON
DALLAS COUNTY, TEXAS

PARK AND STREETSCAPE IMPROVEMENTS
VITRUVIAN PARK

SECTIONS & DETAILS

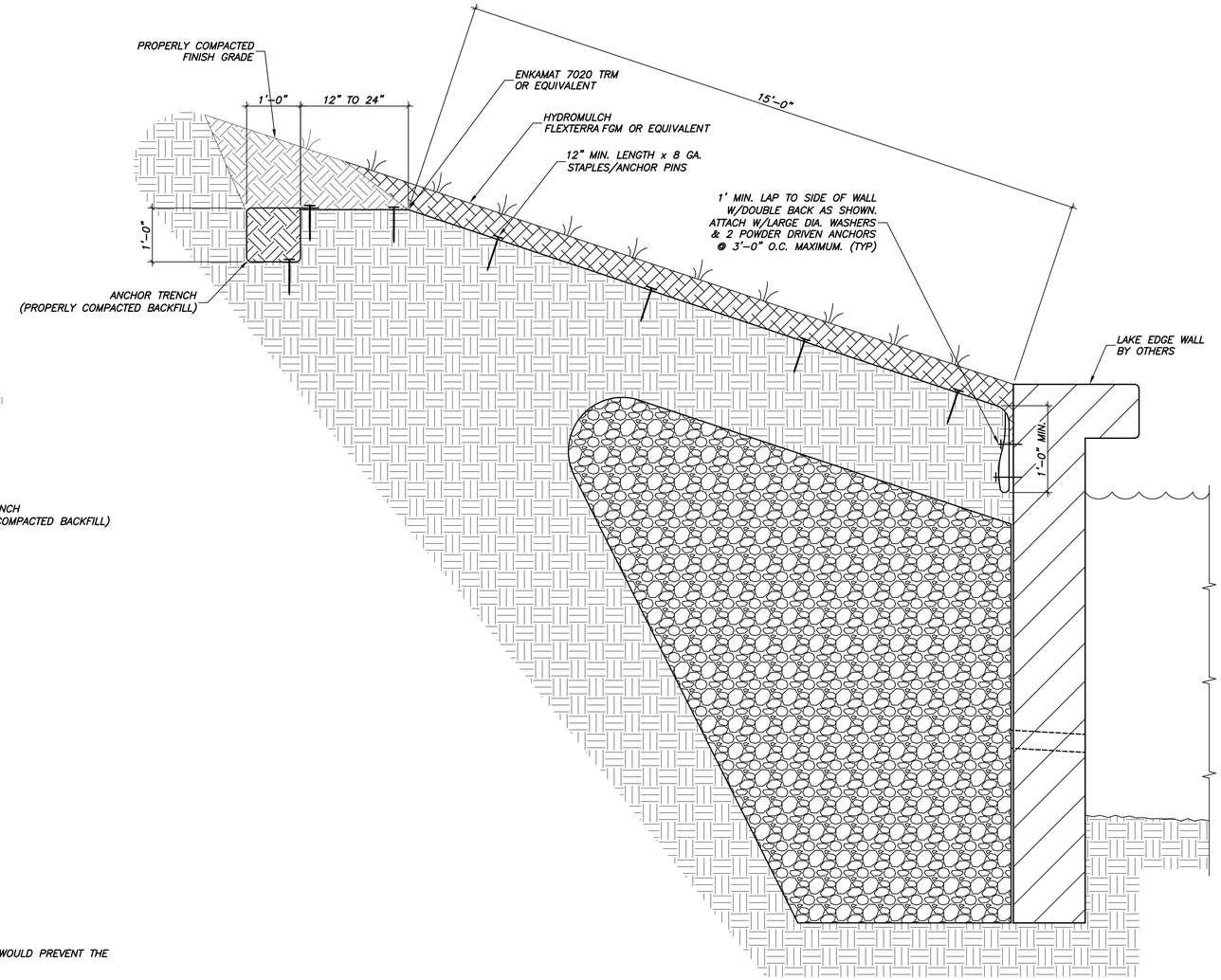
VIEWTECH INC.
Structural Engineers
4205 Beltway Dr. - Addison, Texas 75001
(972) 661-8187 Fax (972) 661-8172

PROJECT	DESIGN	DRAWN	DATE	FILE	SHEET
5029-01	VL	NERF	APRIL 26 2010	PW#2009-04	SP407



01 GENERAL ARMORING INSTALLATION DETAIL

N.T.S.



02 GENERAL ARMORING INSTALLATION DETAIL

N.T.S.

GENERAL INSTALLATION FOR ENKAMAT 7020 SERIES

1. SITE PREPARATION: THE SITE MUST BE SHAPED TO THE DESIGN GRADE AND THEN FINE GRADED TO BE FREE OF SOIL CLODS, CLUMPS, ROCKS, OR VEHICLE IMPRINTS OF ANY SIGNIFICANT SIZE THAT WOULD PREVENT THE ENKAMAT FROM LYING FLUSH TO SURFACE CONTOURS.

2. ANCHOR TRENCH: ANCHOR TRENCHES ARE REQUIRED TO SECURELY FASTEN THE ENKAMAT TO THE GROUND SURFACE. IN CHANNEL APPLICATIONS, THE INITIAL ANCHOR TRENCH IS INSTALLED AT THE BEGINNING OF THE CHANNEL AND INTERMEDIATE CHECK SLOTS ARE SPACED AT APPROXIMATELY 25 FEET* INTERVALS DOWNSTREAM DEPENDING ON FLOW CONDITIONS AND WHETHER YOU SOIL FILL OR NOT. THE ENKAMAT IS INSTALLED INTO THE BOTTOM OF THE TRENCH AND FASTENED WITH PINS SPACED 3 FEET APART. THE ANCHOR TRENCH / INTERMEDIATE CHECK SLOTS ARE THEN BACKFILLED AND COMPACTED IN A MANNER AS TO NOT DAMAGE THE ENKAMAT. * IN LIEU OF EXCAVATED CHECK SLOTS, A DOUBLE ROW OF PINS [OR A NUMBER 1 OR 2 REBAR PINNED ACROSS THE MAT] MAY BE USED AT 25–FOOT INTERVALS.

3. ENKAMAT INSTALLATION: ROLL THE ENKAMAT DOWN THE SLOPE OR CHANNEL. THE OVERLAP BETWEEN ROLLS IS 3 TO 4 INCHES. THE SPLICE BETWEEN ROLLS IS BETWEEN 2 AND 3 FEET. SHINGLE THE ROLL IN THE DIRECTION OF WATER FLOW. INSTALL PINS DOWN THE CENTER OF EACH MAT (MAT IS 3.25 FEET WIDE) STAGGERING THEM BETWEEN THE OUTSIDE PINS WITH A SPACING INTERVAL OF 3 TO 5 FEET. PINS PATTERNS WILL VARY DEPENDING UPON APPLICATION, SOIL TYPE, SLOPE OR CHANNEL SLOPE, GEOMETRY, ETC. A RULE OF THUMB FOR ESTIMATING THE AMOUNT OF PINS REQUIRED FOR A PROJECT IS:

1:1 TO 2:1 SLOPES	3:1 AND LESSER SLOPES	HIGH FLOW CHANNEL	LOW FLOW CHANNEL
3–4 PINS PER SQ. YD.	2–3 PINS PER SQ. YD.	3–4 PINS PER SQ. YD.	2–3 PINS PER SQ. YD.

ALWAYS INSTALL TWO ROWS OF PINS SPACED 1.5 X 1.5 FEET APART AT ALL ROLL SPLICE LOCATIONS.

4. ANCHORING DEVICES: TYPICALLY 11–8 GAUGE OF A 6" X 1" X 6" METAL PINS ARE USED. WHEN SURFACE SOIL CONDITIONS ARE LOOSE, USE 8" X 1" X 8" OR 12" X 1.5" X 12" METAL PINS, 8" – 18" PINS WITH 1.5" DIAMETER WASHER, OR 12–30" J–SHAPE PINS (BENT REBAR) HAVING A ¼" DIAMETER. DRIVE PINS OR PINS FLUSH WITH THE GROUND SURFACE.

5. SOIL FILLING: THERE ARE TWO OPTIONS WHEN INSTALLING ENKAMAT–SOIL FILLING OR NON–SOIL FILLING. SOIL FILLING ENKAMAT ACCELERATES PERFORMANCE BECAUSE THE ENKAMAT, SOIL AND THE NEW VEGETATION INTERACT TOGETHER TO RESIST SHEAR FORCES WHEN WATER IS FLOWING THOUGH THE CHANNEL OR ON TOP OF A SLOPE. IF SOIL FILLING IS UTILIZED SPREAD ½ TO ¾ INCHES OF FINE SOIL INTO THE MAT TO COMPLETELY FILL IT. A TYPICAL CONDITION WHERE NON–SOIL FILLING IS USED WOULD BE TO COLLECT SEDIMENT WHEN WATER IS FLOWING THROUGH THE CHANNEL FROM AN UP–GRADIENT SOURCE.

6. SEEDING: FOR NON–SOIL FILLING APPLICATIONS, BROADCAST SEED OR HYDROSEED OVER THE INSTALLED ENKAMAT. MAKE SURE HYDROMULCH OCCURS AFTER SEEDING TO ENSURE THE SEED REACHES THE TOPSOIL. IF SOIL FILLING, SEED AFTER FILLING IS COMPLETED. YOU MAY ALSO SEED BEFORE AND AFTER SOIL FILLING TO CREATE A BETTER ESTABLISHED ROOT STRUCTURE AND INCREASE VEGETATION STRENGTH. CHECK WITH YOUR LOCAL SEEDING CONSULTANT TO VERIFY APPROPRIATE SEED AND FERTILIZER MIXTURE.

7. SOD INSTALLATION: IF COVERING ENKAMAT WITH SOD, SOIL FILLING IS REQUIRED. PLACE SOD IN THE DIRECTION OF WATER FLOW. PERIODICALLY INSTALL A ROW OR TWO PERPENDICULAR TO THE FLOW TO REDUCE THE POSSIBILITY OF WATER FLOWING ALONG THE SEAMS OF THE SOD. IN MOST CASES, YOU SHOULD PIN THE SOD DOWN TO PREVENT MOVEMENT.

8. GREENARMOR™ SYSTEM: HYDRAULICALLY FILL THE TRM WITH 0.5 INCHES OF FGM™, APPLIED WITH HOSE AT CLOSE RANGE. OPTIMUM APPLICATION RATE IS 3,500 LBS/ACRE OR TO THE DEPTH OF WHERE THE TIPS OF TRM ARE STILL EXPOSED. STRICTLY COMPLY WITH FGM MANUFACTURER'S INSTALLATION INSTRUCTIONS AND RECOMMENDATIONS. FOR OPTIMUM FGM PUMPING AND APPLICATION PERFORMANCE, USE APPROVED MECHANICALLY AGITATED, HYDRAULIC SEEDING/MULCHING MACHINES, HOSE OF SUFFICIENT LENGTH TOREACH THE TRM, USE OF A 50 DEGREE TIP/NOZZLE IS HIGHLY RECOMMENDED. APPLY FGM FROM HOSE POSITIONED OVER SHOULDER WITH NOZZLE APPROXIMATELY AT CHEST LEVEL (48–60"), POINTING STRAIGHT DOWN TO ACHIEVE OPTIMUM TRM INFILL. FOR OPTI–MUM HYDRAULIC PERFORMANCE AND VEGETATIVE ESTABLISHMENT, BE CAREFUL NOT TO OVERFILL THE TRM. THE TIPS OF THE TRM SHALL BE SLIGHTLY EXPOSED. FOR TECHNICAL ASSISTANCE PLEASE CONTACT PROFILE PRODUCTS AT 750 LAKE COOK ROAD, SUITE 440 BUFFALO GROVE, IL 60089 TOLL FREE: 866–325–6262; WEB:WWW.PROFILEPRODUCTS.COM

STATE OF TEXAS
VICTOR LISSIAK, JR.
30565
LICENSED PROFESSIONAL ENGINEER
04/26/10

TEXAS FIRM REG. # F-2658

ISSUED FOR CONSTRUCTION 04/26/10

NO.	REVISION	BY	DATE

Addison

TOWN OF ADDISON
DALLAS COUNTY, TEXAS

PARK AND STREETSCAPE IMPROVEMENTS
VITRUVIAN PARK

TYPICAL ARMORING DETAILS

VIEWTECH INC.
Structural Engineers
4205 Beltway Dr. - Addison, Texas 75001
(972) 661-8187 Fax (972) 661-8172

PROJECT	DESIGN	DRAWN	DATE	FILE	SHEET
5029–01	VL	NERF	APRIL 26 2010	PW#2009–04	SP500

GENERAL INSTALLATION NOTES

NOTE

WRITTEN DIMENSIONS SHALL TAKE PRECEDENCE OVER SCALED MEASUREMENTS.

NOTE

CONDUITS ENTERING FOUNTAINS SYSTEM CONTROL PANELS SHALL BE INSTALLED INTO BOTTOM OF ENCLOSURE IN THE EVENT WATER ENTERS CONDUIT AND FLOWS INTO PANEL THROUGH CONDUIT OPENINGS. DO NOT INSTALL ANY WATER LINES ABOVE THE CONTROL PANEL. A DRAIN OPENING MUST BE MADE IN BOTTOM OF ENCLOSURE PAN TO ALLOW DRAINAGE OF WATER FROM ENCLOSURE IN THE EVENT OF WATER INGRESS.

NOTICE TO OWNER:

THE FOUNTAIN DESIGNER SHALL NOT BE RESPONSIBLE IN ANY WAY WHATSOEVER FOR WATER QUALITY AND WATER CHEMISTRY ISSUES WHICH MAY RESULT IN HARDWATER SCALING, HIGH IRON CONTENT, STAINING OR ANY OTHER CHEMICAL ACTION OR REACTION TO EQUIPMENT OR STRUCTURES THAT MAY OCCUR AS A RESULT OF LOCAL WATER CHEMISTRY ISSUES.

OWNER SHALL BE SOLELY RESPONSIBLE FOR PERFORMING ANY AND ALL SCIENTIFIC TESTING DEEMED NECESSARY TO ASCERTAIN FOUNTAIN WATER QUALITY AND CHEMISTRY ISSUES PRIOR TO CONSTRUCTING THE FOUNTAIN, AND FOR SELECTING AND PROVIDING ALL WATER TREATMENT EQUIPMENT AND/OR CHEMICAL ADDITIVES WHICH MAY BE REQUIRED TO RENDER THE WATER SUITABLE FOR THE FOUNTAIN APPLICATION.

Free Chlorine: 1.0-3.0 ppm
pH: 7.4-7.6
Total Alkalinity: 70-100 ppm
Calcium (Total Hardness): 150 ppm

THE FOUNTAIN DESIGNER SHALL NOT BE RESPONSIBLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES, DETERIORATION OR ANY OTHER ADVERSE EFFECTS TO SURROUNDING SOFT OR HARDSCAPE, FOUNTAIN STRUCTURE, PIPING OR ANY EQUIPMENT AS A RESULT OF WATER QUALITY AND CHEMISTRY ISSUES AND ASSUMES THAT PROPER WATER ANALYSIS AND APPROPRIATE TREATMENT HAS BEEN IMPLEMENTED PRIOR TO OBTAINING AND INSTALLING FOUNTAIN EQUIPMENT.

DANGER

FATAL ELECTRICAL SHOCK CAN OCCUR IF FOUNTAIN ELECTRICAL EQUIPMENT IS NOT INSTALLED PROPERLY. THIS EQUIPMENT SHOULD ONLY BE INSTALLED BY QUALIFIED ELECTRICIANS WITH PROPER GROUNDING AND GROUND FAULT INTERRUPTION CIRCUIT BREAKERS IN ACCORDANCE WITH NATIONAL ELECTRICAL CODE, SECTION 680, AND ALL OTHER APPLICABLE SECTIONS OF THE CODE.

DANGER

FATAL SUCTION ENTRAPMENT CAN OCCUR IF FOUNTAIN MECHANICAL EQUIPMENT & PIPING IS NOT INSTALLED CORRECTLY AS SHOWN. ANTI-VORTEX PLATES MUST BE SECURELY FASTENED TO SUMPS AND/OR POOL FLOOR USING SUITABLE VANDAL RESISTANT SAFETY FASTENERS AND ANCHORS AT ALL TIMES DURING OPERATION OF FOUNTAIN SYSTEM.

NOTE: *CONTRACTOR/INSTALLER IS RESPONSIBLE FOR CONFIRMING AND CORRELATING ALL DIMENSIONS AT JOBSITE. THE FOUNTAIN DESIGNER IS NOT RESPONSIBLE FOR CONSTRUCTION/INSTALLATION MEANS, METHODS, TECHNIQUES, SEQUENCES, STEPS OR PROCEDURES, OR FOR ANY SAFETY REQUIREMENTS, CODES, PRECAUTIONS, RULES, REGULATIONS OR PROGRAMS PERTAINING TO THE CONSTRUCTION PROJECT, INCLUDING BUT NOT LIMITED TO OSHA CONFINED SPACE REQUIREMENTS FOR PUMP ROOMS, VAULTS OR PITS.*

NATURAL DISCOLORATION OF METALS

DISCOLORATION OF BRASS OR COPPER FITTINGS AND COMPONENTS IN FOUNTAINS IS A NATURAL OCCURRENCE AND IS NOT CONSIDERED BY THE COMPANY TO BE A PRODUCT DEFECT OR WARRANTY ITEM. WATER CHEMISTRY MAY TURN THE METAL GREEN OR BROWN IN APPEARANCE. REMOVAL OF THE DISCOLORATION CAN BE ACCOMPLISHED USING A SOFT WIRE WHEEL BRUSH AND BRASS OR COPPER CLEANER IF SO DESIRED. TO MINIMIZE THIS NATURAL OCCURRENCE, THE MATERIAL CAN BE TREATED BY OWNER WITH A CLEAR EPOXY SPRAY COATING OR SEALANT.('PLASTI-KOTE' CLEAR LACQUER BY VALSPAR OR SIMILAR) PRIOR TO BEING INSTALLED INTO THE FOUNTAIN BASIN.

NOTICE TO INSTALLER

ALL FOUNTAIN SYSTEM EQUIPMENT & COMPONENTS FURNISHED BY THE COMPONENT MANUFACTURER IS DESIGNED AND MANUFACTURED FOR USE IN FRESH WATER APPLICATIONS ONLY. DO NOT INSTALL OR OPERATE ANY EQUIPMENT IN SALT, BRINE OR BRACKISH WATER OR WARRANTY IS VOID.

ELECTRICAL NOTES (RESPONSIBILITY OF INSTALLER)

1. *THE INSTALLATION OF ELECTRICAL EQUIPMENT AND WIRING IN WATER CAN PRODUCE EXTREME HAZARDS. IT IS THE RESPONSIBILITY OF THE INSTALLING CONTRACTOR TO CONSULT AND COMPLY WITH ALL ELECTRICAL CODES AND SAFETY REGULATIONS PRIOR TO INSTALLATION OF ELECTRICAL EQUIPMENT. LOCAL CODES TAKE PRECEDENCE OVER THE GENERAL NOTES WHERE DISCREPANCIES OF CONFLICTS EXIST.*
2. *IT IS THE RESPONSIBILITY OF THE INSTALLING CONTRACTOR TO VERIFY ALL FIELD DIMENSIONS CRITICAL TO FOUNTAIN EQUIPMENT INSTALLATION AND PERFORMANCE AND REPORT ANY DISCREPANCIES, IN WRITING, TO THE FOUNTAIN DESIGNER AND THE ARCHITECT/ENGINEER.*
3. *IT IS THE RESPONSIBILITY OF THE INSTALLING CONTRACTOR TO INSURE THAT ALL ELECTRICAL EQUIPMENT IS INSTALLED AND WIRED BY A QUALIFIED, LICENSED ELECTRICIAN EXPERIENCED IN FOUNTAIN SYSTEM WIRING. THE FOUNTAIN DESIGNER ASSUMES NO RESPONSIBILITY OR LIABILITY WHATSOEVER FOR INSTALLATIONS NOT CARRIED OUT BY A QUALIFIED, LICENSED ELECTRICIAN IN ACCORDANCE WITH OUR APPROVED SHOP DRAWINGS, AND ALL PROVISIONS OF THE LATEST EDITION OF NEC IN GENERAL, ARTICLE 680 SPECIFICALLY, AND LOCAL SAFETY CODES AND REGULATIONS. ALL FOUNTAIN ELECTRICAL CONTROL PANELS INCLUDE A PANEL DISCONNECT AND GFCI'S WHEN AND WHERE REQUIRED, WHEN FURNISHED.*
4. *A CLASS 'A' GROUND FAULT CIRCUIT INTERRUPTER (GFCI) MUST BE INSTALLED IN EACH BRANCH CIRCUIT SUPPLYING FOUNTAIN EQUIPMENT. EQUIPMENT OPERATING AT 15 VOLTS OR LESS MUST BE PROTECTED BY SUITABLE TRANSFORMER U.L. LISTED AND MARKED FOR THE APPLICATION.*
5. *SUBMERSIBLE LIGHTING FIXTURES MUST BE INSTALLED FOR OPERATION AT 150 VOLTS OR LESS BETWEEN CONDUCTORS. SUBMERSIBLE PUMPS MUST OPERATE AT 300 VOLTS OR LESS BETWEEN CONDUCTORS.*
6. *SUBMERSIBLE LIGHTING FIXTURES MUST BE INSTALLED WITH THE TOP OF THE FIXTURE LENS A MINIMUM OF 2" BELOW THE NORMAL OPERATING WATER LEVEL AND MUST HAVE THE LENS ADEQUATELY GUARDED TO PREVENT CONTACT BY ANY PERSON.*
7. *ALL ELECTRICAL EQUIPMENT WHICH DEPENDS ON SUBMERSION FOR SAFE OPERATION MUST BE PROTECTED AGAINST OVERHEATING BY AN INDEPENDENT LOW WATER CUTOFF DEVICE IF THE WATER LEVEL DROPS BELOW NORMAL OPERATING LEVEL.*
8. *MAXIMUM LENGTH OF EXPOSED CORD IN THE FOUNTAIN IS LIMITED TO 9 FEET. CORDS EXTENDING BEYOND FOUNTAIN PERIMETER MUST BE ENCLOSED IN APPROVED WIRING ENCLOSURES.*
9. *ALL SUBMERSIBLE LIGHTS AND PUMPS MUST HAVE SUFFICIENT CORD LENGTH TO ALLOW REMOVAL FROM THE WATER FOR RELAMPING AND NORMAL MAINTENANCE. FIXTURES CANNOT BE PERMANENTLY IMBEDDED IN THE FOUNTAIN STRUCTURE SO THAT THE WATER LEVEL MUST BE REDUCED OR THE FOUNTAIN DRAINED FOR RELAMPING, MAINTENANCE, OR INSPECTION.*
10. *SUBMERSIBLE EQUIPMENT MUST BE INHERENTLY STABLE OR BE SECURELY FASTENED IN PLACE WITH NON-CORROSIVE FASTENERS SUITABLE FOR THE PURPOSE.*
11. *UNDERWATER JUNCTION BOXES MUST BE FILLED WITH AN APPROVED RE-ENTERABLE ELECTRICAL POTTING COMPOUND (WAX OR PARAFFIN IS NOT ACCEPTABLE) PRIOR TO FILLING POOL AND AFTER ALL CIRCUITS HAVE BEEN CHECKED TO PREVENT THE ENTRY OF MOISTURE AND BE FIRMLY ATTACHED TO SUPPORTS OR DIRECTLY TO THE FOUNTAIN SURFACE AND BONDED AS REQUIRED. ALL CONDUIT STUBBED UP THROUGH POOL FLOOR MUST BE RED BRASS PIPE, "EVERDUR", STAINLESS STEEL OR HARD COPPER. PVC IS NOT ACCEPTABLE AS A CONDUIT SUPPORT STUB FOR SUBMERSIBLE JUNCTION BOXES. ALL CONDUIT ENTRIES MUST BE COMPLETELY SEALED PRIOR TO POTTING TO PREVENT COMPOUND FROM ENTERING CONDUIT SYSTEM.*
12. *ALL ELECTRICAL CONDUIT AND CONDUIT FITTINGS BETWEEN SUBMERSIBLE LIGHT FIXTURE NICHES, JUNCTION BOXES AND CONTROL PANELS SHALL BE U.L. LISTED RIGID, NONMETALLIC, PVC NEMA TC-2 MAX. 90ºC, SUNLIGHT RESISTANT FOR ABOVE AND BELOW GROUND USE. ALL CONDUITS SHALL BE PROTECTED AT ALL TIMES FROM POSSIBLE WATER INGRESS. USE ONLY APPROVED PRIMER AND PVC GLUE SUITABLE FOR JOINING ALL PVC CONDUITS AND FITTINGS PER MANUFACTURERS INSTRUCTIONS.*
13. *ALL UNDERWATER JUNCTION BOXES MUST BE EQUIPPED WITH THREADED CONDUIT ENTRIES AND COMPRESSION TYPE CORD CONNECTORS FOR CORD ENTRY. STRAIN RELIEF CONNECTORS SERVING NICHE-MOUNTED UNDERWATER LIGHTS SHALL BE CAPABLE OF SEALING BOTH THE FIXTURE CORD AND AN AWG #8 INSULATED BONDING WIRE WHICH MAY BE REQUIRED BY SOME LOCAL CODES.*
14. *ALL ELECTRICAL EQUIPMENT MUST BE PROPERLY BONDED AND GROUNDED FOR SAFETY, PER THE LATEST CODE REQUIREMENTS.*
15. *USE GOOD QUALITY THREAD SEALANT OR PVC GLUE AS REQUIRED FOR CONDUIT CONNECTIONS TO ELIMINATE ALL LEAKS. ALL CONDUIT SHALL BE SEALED TO PREVENT ENTRY OF MOISTURE AND TO PREVENT WATER FROM DRAINING INTO THE FOUNTAIN CONTROL PANEL.*
16. *ALL CONDUIT CONNECTIONS BETWEEN DISSIMILAR METALS MUST BE MADE WITH DIELECTRIC FITTINGS, AND SEALED WITH DIELECTRIC THREAD COMPOUND TO PREVENT GALVANIC DEGRADATION.*
17. *PULL CORRECT QUANTITY AND SIZE CONDUCTORS, WIRED WITH SEPARATE GROUND, THROUGH CONDUIT INTO JUNCTION BOX. MAKE ALL SPLICES AND CONNECTIONS TIGHT AND WELL INSULATED. CONNECT GROUND WIRE TO GROUND LUG IN JUNCTION BOX, OR OTHER SUITABLE GROUNDING LOCATION.*

18 *INSERT EACH SUBMERSIBLE CORD THROUGH THE BRASS CORD SEALS PROVIDED ON THE JUNCTION BOX AND TIGHTEN COMPLETELY.*

19. *DO NOT OPERATE SUBMERSIBLE LIGHTS OR PUMPS MORE THAT TEN SECONDS UNLESS COMPLETELY SUBMERGED OR DAMAGE WILL RESULT AND WARRANTY WILL BE VOID.*

NOTE: *ANY & ALL COSTS ASSOCIATED WITH THE ABOVE ARE THE RESPONSIBILITY OF INSTALLER.*

NOTE: GENERAL CONTRACTOR TO BRING SANITARY SEWER, CLEAN WATER SUPPLY, TO WITHIN 5 FEET OF THE VAULT. ELECTRICAL CONTRACTOR TO CONNECT MAIN POWER TO CONTROL PANEL IN VAULT.

PIPING NOTES (RESPONSIBILITY OF INSTALLER)

1. *IT IS THE INSTALLING CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL FIELD DIMENSIONS CRITICAL TO FOUNTAIN EQUIPMENT INSTALLATION AND PERFORMANCE AND REPORT ANY DISCREPANCIES, IN WRITING, TO THE FOUNTAIN DESIGNER AND THE ARCHITECT/ENGINEER.*
2. *IT IS THE RESPONSIBILITY OF THE INSTALLING CONTRACTOR TO CHECK AND COMPLY WITH ALL PLUMBING AND BUILDING CODES PRIOR TO INSTALLATION OF EQUIPMENT, LOCAL CODES TAKE PRECEDENCE OVER GENERAL NOTES WHERE DISCREPANCIES OR CONFLICTS EXIST.*
3. *ALL PIPING PENETRATIONS THROUGH ANY CONCRETE WALL OR FLOOR MUST BE MADE WITH RED BRASS, COPPER, OR SCH. 80 PVC PIPE AS SPECIFIED FOR THE INSTALLATION, AND MUST BE FLASHED OR FITTED WITH WATERSTOP FLANGE TO PREVENT LEAKAGE.*
4. *INTERCONNECTING PIPING BETWEEN THE POOL AND PUMP ROOM MUST BE PVC, COPPER OR BRASS AS SUITABLE FOR THE WORKING PRESSURE OF THE SYSTEM SPECIFICATION REQUIREMENTS AND LOCAL CODES. IF STEEL OR CAST IRON PIPING IS SPECIFIED, IT MUST HAVE HOT-DIPPED GALVANIZED OR COAL TAR EPOXY COATING. IF PVC IS SPECIFIED, USE SCHEDULE 80 PIPE AND FITTINGS. (REFER TO PVC INSTALLATION NOTES).*
5. *ALL PIPE CONNECTIONS BETWEEN DISSIMILAR METALS MUST BE MADE WITH DIELECTRIC FITTINGS, AND DIELECTRIC THREAD SEALING COMPOUND TO PREVENT GALVANIC DEGRADATION.*
6. *SUCTION CENTER LINE OF PUMP MUST BE LOCATED AT OR BELOW LOWER POOL FLOOR ELEVATION IF FLOODED-END-SUCTION TYPE, AND NO MORE THAN 4 FT. ABOVE POOL FLOOR ELEVATION IF SELF-PRIMING TYPE. ALL REDUCING FITTINGS MUST BE CONCENTRIC TYPE ON DISCHARGE LINE AND ECCENTRIC TYPE ON SUCTION LINE.*
7. *SUCTION LINE MUST BE INSTALLED AS A STRAIGHT RUN INTO THE PUMP SUCTION CONNECTION OF A LEAST EIGHT PIPE DIAMETERS WITH NO LOOPS, HIGH POINTS OR TRAPS.*
8. *USE LONG RADIUS ELBOWS ON ALL DIRECTIONAL CHANGES ON SUCTION AND DISCHARGE LINES WHERE INDICATED ON INSTALLATION DRAWINGS. IN SOME INSTANCES, PIPING DIAGRAMS ARE EXAGGERATED FOR PURPOSES OF CLARITY. MAKE ALL SUCTION AND DISCHARGE PIPE RUNS USING THE MOST DIRECT ROUTES POSSIBLE AND USING THE MINIMUM NUMBER OF FITTINGS POSSIBLE. SLOPE ALL LINES DOWN TO PUMP, IN ALL CASES, WITH NO LOOPS, TRAPS, OR HIGH POINTS.*
9. *ON SUCTION LINES USE ONLY BUTTERFLY, FULL-PORT OR GATE TYPE VALVES. NEVER REGULATE OR ADJUST FLOW FROM SUCTION SIDE OF PUMP. USE SUCTION VALVES FOR EQUIPMENT ISOLATION PURPOSES ONLY.*
10. *AN IN-LINE BASKET STRAINER IS RECOMMENDED ON THE SUCTION SIDE OF PUMPS, WITH BASKET PERFORATIONS PROPERLY SIZED TO PROTECT THE PUMP IMPELLER, AND FOUNTAIN NOZZLE/JET ORIFICES.*
11. *ON DISCHARGE LINES USE ONLY BUTTERFLY, GLOBE, BALL, PLUG OR OTHER LOW LOSS INFINITELY ADJUSTABLE VALVES, FOR ISOLATION AND FLOW REGULATION.*
12. *PROVIDE ADEQUATE OVERFLOW DRAIN AND FILL LINE CAPACITY FOR THE FOUNTAIN SYSTEM.*
13. *THE PIPING SYSTEM SHALL BE WATER PRESSURE TESTED FOR 24 HOURS PRIOR TO BACKFILLING AND SHALL THEN BE BURIED AND/OR SUPPORTED AS REQUIRED TO PROTECT THE INTEGRITY OF MECHANICAL SYSTEM. (REFER TO PVC INSTALLATION NOTES.)*
14. *INSTALLER SHALL PROVIDE ADEQUATE ACCESS, LIGHTING, DRAINAGE AND VENTILATION IN PUMP ROOM TO PREVENT FLOODING, CONDENSATION OR OVERHEATING OF EQUIPMENT, AND COMPLY WITH ALL OSHA CONFINED SPACE REGULATIONS AND REQUIREMENTS, BEFORE, DURING AND AFTER SYSTEM INSTALLATION.*
15. *ANY PRESSURIZED CITY WATER LINES SUPPLYING THE FOUNTAIN SYSTEM SHALL BE OF TYPE K COPPER AND SHALL BE PROTECTED BY AN APPROVED BACKFLOW PREVENTION DEVICE AND PRESSURE REDUCING VALVE SET AT 30 PSI MAXIMUM PRESSURE AND MINIMUM OF 40 PSI.*
16. *"P" TRAPS AND VENTS SHALL BE INSTALLED ON ANY DRAIN LINE CONNECTED TO A SANITARY SEWER SYSTEM, WHERE AND WHEN REQUIRED BY PLUMBING CODE, REGARDLESS OF WHETHER SHOWN ON INSTALLATION DRAWINGS.*

NOTE: *ANY & ALL COSTS ASSOCIATED WITH ABOVE ARE RESPONSIBILITY OF INSTALLER.*

17. *WHEN INSTALLING SUCTION PIPING FOR SELF PRIMING PUMP SYSTEMS, THE PIPING SHALL BE INSTALLED IN SUCH A MANNER AS TO MAINTAIN A FLOODED SUCTION PIPE CONDITION ALL ALL TIMES UNTIL PIPING CONNECTS TO THE PUMP.*
18. *ALL PIPING IS ASSUMED TO BE BURIED BELOW GROUND IN ALL CASES, AND NOT INSTALLED ON OR ABOVE GRADE WHERE AN AIR TRAP, LOOP OR HIGH POINT COULD BE CREATED.*

LIABILITY DISCLAIMER NOTICE

THE FOUNTAIN DESIGNER SHALL NOT BE RESPONSIBLE OR LIABLE FOR ANY CIVIL OR STRUCTURAL DESIGN DRAWINGS, DETAILS, NOTATIONS OR ANY OTHER ASPECTS OF THE PROJECT REGARDING FOUNTAIN LAYOUT, STRUCTURE OR CONSTRUCTION/BUILDING PRACTICES, INCLUDING, BUT NOT LIMITED TO, CONCRETE DESIGN, SPECIFICATIONS AND SLAB POUR METHODS, CONCRETE REINFORCEMENTS SUCH AS REBAR TYPE, SIZE AND LOCATIONS, OR CONCRETE STRUCTURAL WATERPROOFING SPECIFICATIONS, MATERIALS AND METHODS, ETC.

ANY STRUCTURE DEPICTED OR APPEARING ON OUR PLANS SHALL BE SHOWN SOLELY FOR DIMENSIONAL REFERENCE AND GENERAL STRUCTURAL ORIENTATION IN ORDER TO ADEQUATELY IDENTIFY, COORDINATE, ORIENT, LOCATE AND INSTALL OUR EQUIPMENT PACKAGE, AND SHALL NOT BE RELIED ON FOR ANY OTHER PURPOSES.

CLIENT IS ADVISED TO ENLIST THE SERVICES OF A LICENSED PROFESSIONAL ENGINEER FAMILIAR AND EXPERIENCED WITH SUCH WORK WHEN DESIGNING/CONSTRUCTING ANY FOUNTAIN POOL OR PUMP ROOM STRUCTURE. WHO SHALL ACCEPT COMPLETE RESPONSIBILITY AND LIABILITY FOR ALL STRUCTURAL AND CIVIL ENGINEERING DETAILS PERTAINING TO THE PROJECT.

PVC INSTALLATION NOTES

1. *UNLESS ARCHITECTS SPECIFICATIONS INDICATE OTHERWISE, THE MINIMUM PIPING AND FITTING STANDARD RECOMMENDED FOR THIS INSTALLATION IS TYPE 1 SCHEDULE 80 PVC TO ASTM #D-1784, D-2464 AND D-3467.*
2. *FOR PIPING INSTALLATIONS IN EQUIPMENT ROOMS, VAULTS AND ALL AREAS IN PUBLIC VIEW USE ONLY CLEAR PVC CLEANER MEETING NSF, UPC, AND ASTM STANDARDS FOR CLEANING AND REPAIRING PVC PIPE AND FITTING SURFACES FOR SOLVENT CEMENTING (IPS CORPORATION "WELD-ON" TYPE C-65 OR EQUIVALENT). FOLLOW ALL DIRECTIONS AND INSTRUCTIONS APPEARING ON PRODUCT LABEL.*
3. *FOR ALL BURIED PIPING INSTALLATIONS USE ONLY PURPLE PVC PRIMER MEETING NSF, UPC, AND ASTM #F-656 STANDARDS FOR SOFTENING AND PREPARING PIPE AND FITTING SURFACES FOR SOLVENT CEMENTING (IPS CORPORATION "WELD-ON" TYPE P-70 OR EQUIVALENT). FOLLOW ALL DIRECTIONS AND INSTRUCTIONS APPEARING ON PRODUCT LABEL.*
4. *USE ONLY GRAY, HEAVY BODIED, MEDIUM SETTING PVC CEMENT MEETING NSF, UPC AND ASTM #D-2564, STANDARDS FOR SOLVENT CEMENTING PVC PLASTIC PIPE AND FITTINGS (IPS CORPORATION "WELD-ON" TYPE 711 OR EQUIVALENT). FOLLOW ALL DIRECTIONS AND INSTRUCTIONS ON PRODUCT LABEL.*
5. *PRESSURE TEST ALL WATER PIPING PRIOR TO COMMENCING BACKFILL OPERATIONS. (SEE NOTES BELOW) HYDROSTATIC (WATER) TESTING SHALL BE THE ONLY APPROVED METHOD. DO NOT PRESSURE TEST WITH COMPRESSED AIR AS SEVERE PIPE DAMAGE AND BODILY INJURY CAN OCCUR. DO NOT EXCEED THE RATED OPERATIONAL PRESSURE OF THE PIPING AND/OR FITTINGS CARRYING THE LOWEST PRESSURE RATING. LOCATE AND REPAIR ANY LEAKS AND RETEST (SEE NOTES BELOW) PRIOR TO COMPLETION OF BACKFILL OPERATIONS.*
6. *CONCRETE "THRUST" BLOCKING IS RECOMMENDED AT ALL DIRECTIONAL CHANGES (TEE'S, ELBOWS, ETC.), REDUCER FITTINGS AND LINE TERMINATIONS (BUSHINGS, END CAPS, PLUGS, ETC.) WHEN SYSTEM IS IN OPERATION.*
7. *PERFORM ADEQUATE TRENCHING AND BACKFILL OPERATIONS WHEN INSTALLING PVC PIPING BELOW GRADE. TRENCH WIDTH SHOULD BE MINIMUM OF "PIPE O.D. PLUS 12 INCHES" AND DEEP ENOUGH TO ALLOW PIPING TO BE BURIED MINIMUM 12" BELOW THE MAXIMUM EXPECTED FROST PENETRATION LINE TO AVOID FREEZE DAMAGE. LAY PIPING IN HORIZONTAL, PARALLEL AND PERPENDICULAR MANNER. AVOID VERTICAL STACKING OF PIPES. SPACE MINIMUM OF 3" APART ON ALL PARALLEL RUNS.*
8. *USE ONLY CLEAN, FREE-FLOWING, NON-EXPANSIVE BACKFILL MATERIAL (NATURALLY ROUNDED 1/4" PEA GRAVEL OR SAND) AND BACKFILL IN 8"-12" LIFTS WITH ADEQUATE AND COMPLETE COMPACTION BETWEEN LIFTS TO 90% OF MAXIMUM DENSITY PER ASTM 1557-70. COMPACTION TO EXCESSIVE LOADS SHALL NOT BE PERMITTED. A SECOND PRESSURE TEST ON THE PIPING SYSTEM MUST BE MADE AT THIS TIME TO INSURE THAT PIPING HAS NOT BEEN DAMAGED DURING BACKFILL OPERATIONS (SEE NOTES BELOW).*

NOTE: *ANY & ALL COSTS ASSOCIATED WITH ABOVE ARE RESPONSIBILITY OF INSTALLER.*

SYSTEM PERFORMANCE (RESPONSIBILITY OF INSTALLER)

TESTING

1. *PERFORM TESTS IN THE PRESENCE OF THE OWNER, ARCHITECT, OR AUTHORIZED REPRESENTATIVE FOR DESIGNATED DURATION WITH NO PRESSURE LOSS OR NOTICEABLE LEAKS.*
2. *DO NOT INCLUDE EQUIPMENT IN TESTS WHICH COULD BE DAMAGED BY HIGH PRESSURE.*
3. *FLUSH OUT ALL PIPES WITH CLEAN WATER PRIOR TO PERFORMING LEAK TESTS.*
4. *PERFORM TESTS AS FOLLOWS:*

System	Test Pressure	Medium	Duration
Water	50 psi	Water	4 hours
Drainage	10 ft.	Water	24 hours

5. *AUTOMATIC MAKE-UP WATER SYSTEMS SHALL BE THOROUGHLY TESTED AND OPERATIVE AT THE TIME OF FINAL OBSERVATION.*
6. *AFTER THE SYSTEM HAS OPERATED FOR ONE WEEK, CONTRACTOR AND OWNER'S REPRESENTATIVE SHALL INSPECT WATER MAKE-UP RATES AND AGREE THAT WATER USAGE IS APPROPRIATE FOR SYSTEM OF THIS TYPE, ARE WITHIN LOCAL ORDINANCES OR CODES, AND THAT SUCH RATES ARE NOT INDICATIVE OF EXCESSIVE LEAKAGE FROM SYSTEM. A WATER METER SHALL BE PLACED ON THE FILL LINE FOR THIS PURPOSE, IF NECESSARY TO DOCUMENT PRECISE WATER USAGE.*

NOTICE OF STATED AND INTENDED USE FOR DECORATIVE ARCHITECTURAL VIEWING PURPOSES ONLY UNLESS SPECIFICALLY REPRESENTED, IDENTIFIED, OR OTHERWISE SPECIFIED AND DESIGNED AS A "WATERPLAY" FOUNTAIN

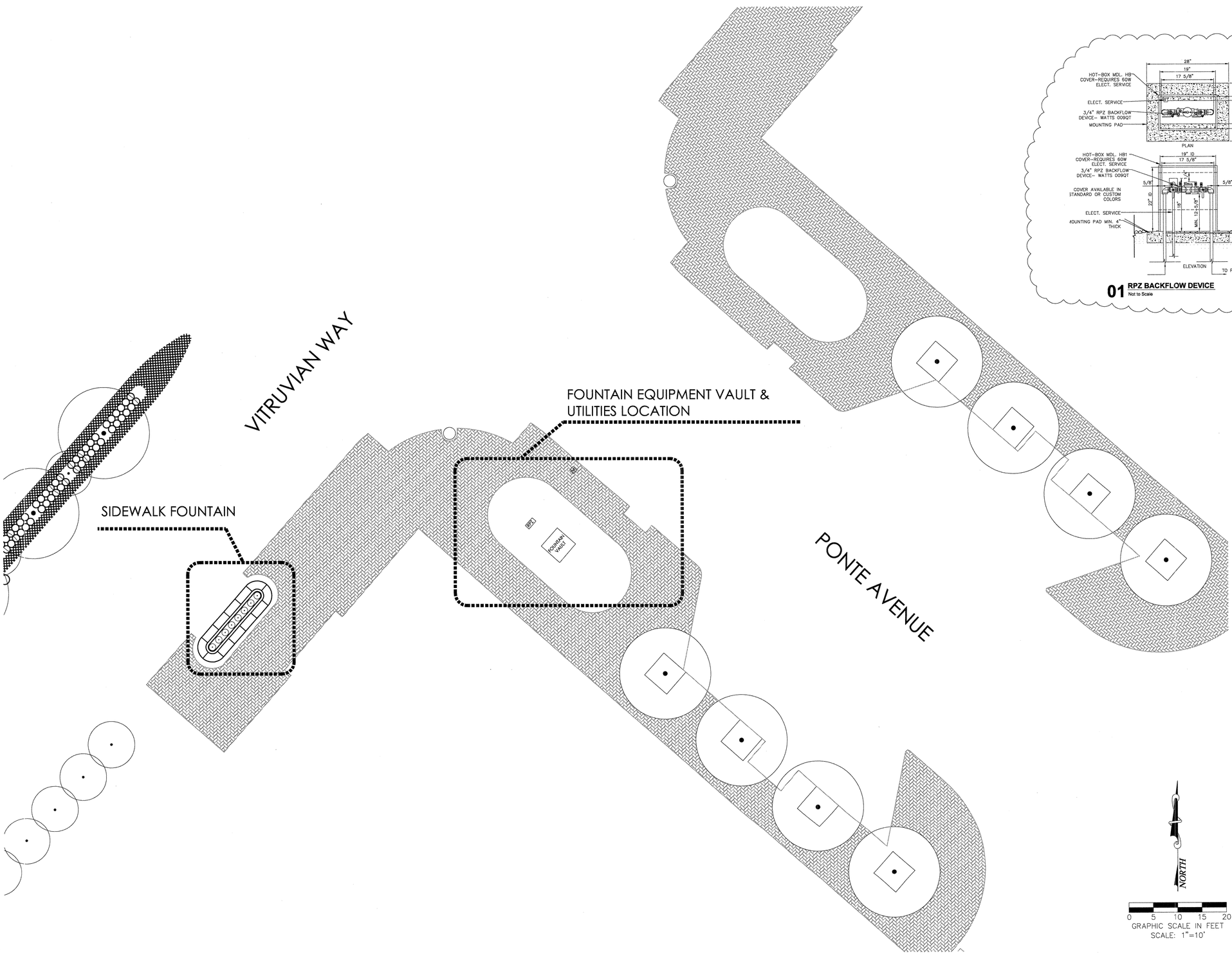
IT IS HEREBY ACKNOWLEDGED, AGREED AND UNDERSTOOD BY SPECIFIER / PURCHASER / OWNER/ OPERATOR OF THIS EQUIPMENT AND/OR SYSTEM THAT ITS STATED AND INTENDED USE IS FOR DECORATIVE VIEWING PURPOSES ONLY, AND NOT FOR PUBLIC BATHING, PUBLIC ENTRY OR PUBLIC RECREATIONAL USE. AS SUCH THE FOUNTAIN DESIGNER ASSUMES NO RESPONSIBILITY OR LIABILITY WHATSOEVER FOR PERSONAL INJURY, SICKNESS, ILLNESS, DISEASE, OR DEATH WHICH MAY OCCUR AS A RESULT OF THE EQUIPMENT/SYSTEM BEING USED, OPERATED OR OTHERWISE MAINTAINED IN A MANNER INCONSISTENT WITH ITS STATED AND INTENDED PURPOSE.
SPECIFIER/PURCHASER/OWNER/OPERATOR IS SOLELY RESPONSIBLE FOR NOTIFYING THE PUBLIC OF THE STATED AND INTENDED USE AND OPERATION OF THIS DECORATIVE ARCHITECTURAL FOUNTAIN AND FOR LAWFUL ENFORCEMENT THEREOF, INCLUDING POSTING ANY AND ALL SIGNS, NOTICES, WARNINGS, INSTRUCTIONS AND BARRIERS AND PROVIDING PERSONNEL AS NECESSARY TO ENFORCE COMPLIANCE WITH ITS INTENDED USE.

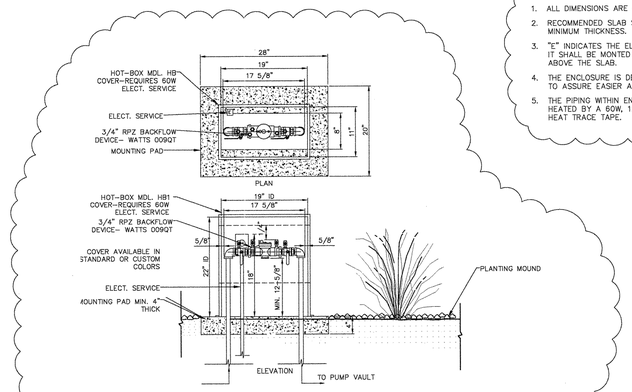
PURCHASER/OWNER INSTALLATION, MAINTENANCE & SERVICE RESPONSIBILITY

THIS FOUNTAIN SYSTEM IS DESIGNED, SPECIFIED, OFFERED AND SOLD UNDER THE ASSUMPTION AND UNDERSTANDING THAT THE PURCHASER/OWNER HAS REVIEWED, AND IS FAMILIAR WITH, THE FOUNTAIN PROJECT AND UNDERSTANDS THE COMPLEXITIES OF THE EQUIPMENT AND HAS, OR WILL CONTRACT WITH, COMPETENT AND EXPERIENCED INSTALLERS, AND THE PURCHASER/OWNER HAS, OR WILL CONTRACT WITH, COMPETENT AND EXPERIENCED OPERATION, MAINTENANCE AND SERVICE PERSONNEL FAMILIAR WITH SUCH EQUIPMENT TO PROPERLY CARE FOR THE EQUIPMENT. THE FOUNTAIN DESIGNER SHALL IN NO WAY BE HELD RESPONSIBLE FOR DETERMINING WHETHER OR NOT PURCHASER/END USER HAS ADEQUATE KNOWLEDGE, RESOURCES, ABILITIES OR EXPERIENCED TRADES AND PERSONNEL TO INSTALL, MAINTAIN AND OPERATE THIS FOUNTAIN SYSTEM AND ITS ASSOCIATED EQUIPMENT PRIOR TO OFFER/PURCHASE AND AFTER SALE & INSTALLATION.

HDPE PIPE

1. *PIPE SHALL BE MANUFACTURED FROM A PE 3408 RESIN LISTED WITH THE PLASTIC PIPE INSTITUTE (PPI) AS TR-4. THE RESIN MATERIAL WILL MEET THE SPECIFICATIONS OF ASTM D3350-99 WITH A CELL CLASSIFICATION OF PE:345464C. PIPE SHALL HAVE A MANUFACTURING STANDARD OF ASTM F714. PIPE SHALL BE DR 17 (100PSI WPR) UNLESS OTHERWISE SPECIFIED ON THE PLANS. THE PIPE SHALL CONTAIN NO RECYCLED COMPOUNDS EXCEPT THAT GENERATED IN THE MANUFACTURER'S OWN PLANT FROM RESIN OF THE SAME SPECIFICATION FROM THE SAME RAW MATERIAL.*
2. *BUTT FUSION FITTINGS - FITTINGS SHALL BE PE3408 HDPE, CELL CLASSIFICATION OF 345464C AS DETERMINED BY ASTM D3350-99. BUTT FUSION FITTINGS SHALL HAVE A MANUFACTURING STANDARD OF ASTM D3261, MOLDED & FABRICATED FITTINGS SHALL HAVE THE SAME PRESSURE RATING AS THE PIPE UNLESS OTHERWISE SPECIFIED ON THE PLANS. FABRICATED FITTINGS ARE TO BE MANUFACTURED USING A DATA LOGGER. TEMPERATURE, FUSION PRESSURE AND A GRAPHIC REPRESENTATION OF THE FUSION CYCLE SHALL BE PART OF THE QUALITY CONTROL RECORDS.*
3. *ELECTROFUSION FITTINGS - FITTINGS SHALL BE PE3408 HDPE, CELL CLASSIFICATION OF 345464C AS DETERMINED BY ASTM D3350-99. ELECTROFUSION FITTINGS SHALL HAVE A MANUFACTURING STANDARD OF ASTM F-1055. FITTINGS SHALL HAVE THE SAME PRESSURE RATING AS THE PIPE UNLESS OTHERWISE SPECIFIED ON THE PLANS.*
4. *FLANGED AND MECHANICAL JOINT ADAPTERS - FLANGED AND MECHANICAL JOINT ADAPTERS SHALL BE PE 3408 HDPE, CELL CLASSIFICATION OF 345464C AS DETERMINED BY ASTM D-3350. FLANGED AND MECHANICAL JOINT ADAPTERS SHALL HAVE A MANUFACTURING STANDARD OF ASTM D-3261. FITTINGS SHALL HAVE THE SAME PRESSURE RATING AS THE PIPE UNLESS OTHERWISE SPECIFIED ON THE PLANS.*
5. *PIPE AND FITTINGS: SIZE AS INDICATED ON THE PLANS. INSTALL AS SHOWN IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.*
6. *HAULING, UNLOADING AND DISTRIBUTING PIPE: DURING LOADING, TRANSPORTATION AND UNLOADING, EVERY PRECAUTION SHALL BE TAKEN TO PREVENT INJURY TO THE PIPE. NO PIPE SHALL BE DROPPED FROM CARS OR TRUCKS, OR ALLOWED TO ROLL DOWN SLIDES WITHOUT PROPER RETAINING ROPES. DURING TRANSPORTATION EACH PIPE SHALL REST ON SUITABLE PADS, STRIPS, SKIDS OR BLOCKS SECURELY WEDGED OR TIED IN PLACE. ANY PIPE DAMAGED SHALL BE REPLACED.*
7. *SECTIONS OF POLYETHYLENE PIPE SHOULD BE JOINED INTO CONTINUOUS LENGTHS ON THE JOBSITE ABOVE GROUND. THE JOINING METHOD SHALL BE THE BUTT FUSION METHOD AND SHALL BE PERFORMED IN STRICT ACCORDANCE WITH THE PIPE MANUFACTURER'S RECOMMENDATIONS. THE BUTT FUSION EQUIPMENT USED IN THE JOINING PROCEDURES SHOULD BE CAPABLE OF MEETING ALL CONDITIONS RECOMMENDED BY THE PIPE MANUFACTURER, INCLUDING, BUT NOT LIMITED TO, TEMPERATURE REQUIREMENTS OF 400 DEGREES FAHRENHEIT, ALIGNMENT, AND AN INTERFACIAL FUSION PRESSURE OF 75 PSI. THE BUTT FUSION JOINING WILL PRODUCE A JOINT WELD STRENGTH EQUAL TO OR GREATER THAN THE TENSILE STRENGTH OF THE PIPE ITSELF. ALL FIELD WELDS SHALL BE MADE WITH FUSION EQUIPMENT EQUIPPED WITH A DATA LOGGER. TEMPERATURE, FUSION PRESSURE AND A GRAPHIC REPRESENTATION OF THE FUSION CYCLE SHALL BE PART OF THE QUALITY CONTROL RECORDS.*
8. *SIDEWALL FUSIONS FOR CONNECTIONS TO OUTLET PIPING SHALL BE PERFORMED IN ACCORDANCE WITH HDPE PIPE AND FITTING MANUFACTURER'S SPECIFICATIONS. THE HEATING IRONS USED FOR SIDEWALL FUSION SHALL HAVE AN INSIDE DIAMETER EQUIAL TO THE OUTSIDE DIAMETER OF THE HDPE PIPE BEING FUSED. THE SIZE OF THE HEATING IRON SHALL BE ¼ INCH LARGER THAN THE SIZE OF THE OUTLET BRANCH BEING FUSED.





01 RPZ BACKFLOW DEVICE
Not to Scale

NOTES :

1. ALL DIMENSIONS ARE APPROXIMATED IN INCHES.
2. RECOMMENDED SLAB SIZE : 28"L x 20"W x 4" MINIMUM THICKNESS.
3. "E" INDICATES THE ELECTRICAL RECEPTACLE. IT SHALL BE MONTED A MINIMUM OF 18" ABOVE THE SLAB.
4. THE ENCLOSURE IS DESIGNED AS A FLIP-TOP TO ASSURE EASIER ACCESS AND MAINTENANCE.
5. THE PIPING WITHIN ENCLOSURE SHALL BE HEATED BY A 60W, 120V, SINGLE-PHASE HEAT TRACE TAPE.

LEGEND

M	EXISTING 1.5" WATER METER AND BOX
RPZ	BACKFLOW DEVICE SEE DETAIL THIS SHEET
FOUNTAIN VAULT	PUMP/FILTER EQUIPMENT REF. DETAILS

Richard J. Barina, P.E.
8/16/10

NO.	REVISION	BY	DATE
1	SIDEWALK FOUNTAIN FILL VALVE CHANGE	BJW	8/12/2010

TOWN OF ADDISON
DALLAS COUNTY, TEXAS

PARK IMPROVEMENTS
VITRUVIAN PARK

SITE INFORMATION

Greenscape
greenscapepmp.com

PROJECT	DESIGN	DRAWN	DATE	FILE	SHEET
5029-01	RJB	RJB	APR. 26, 2010	PW# 2009-04	I102

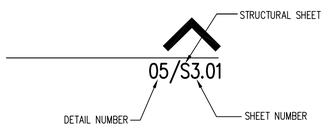
PARK IMPROVEMENTS - VITRUVIAN PARK

ABBREVIATIONS

AFF.	ABOVE FINISH FLOOR
ADD'L.	ADDITIONAL
ADJ.	ADJACENT
ALT.	ALTERNATE
ANC.	ANCHOR
A.B.	ANCHOR BOLT
&	AND
L	ANGLE
ARCH.	ARCHITECT
@	AT
BM.	BEAM
BRG.	BEARING
BNT. PL.	BENT PLATE
BTWN	BETWEEN
BOTT.	BOTTOM
BOT.	BOTTOM
B.L.	BRICK LEDGE
BLDG.	BUILDING
CANT.	CANTILEVER
CIP	CAST IN PLACE
CTR.	CENTER
℄	CENTER LINE
CL.	CENTER LINE
CLR.	CLEAR
COL.	COLUMN
COLS.	COLUMNS
COMP.	COMPOSITE
C	COMPRESSION
COM.	COMPRESSION
CONC.	CONCRETE
CMU	CONCRETE MASONRY UNIT
CONNX.	CONNECTION
CONTR.	CONTRACTOR
CONST.	CONSTRUCTION
CONT.	CONTINUOUS
DBA	DEFORMED BAR ANCHOR
DIAG.	DIAGONAL
DIA.	DIAMETER
DBL.	DOUBLE
JL	DOUBLE ANGLE
D.P.T.C.	DOUBLE PITCHED TOP CHORD
DWLS.	DOWELS
DWGS.	DRAWINGS
EA.	EACH
E.F.	EACH FACE
EA. WAY	EACH WAY
EL.	ELEVATION
ELEV.	ELEVATION OR ELEVATOR
ENGR.	ENGINEER
ESC.	ESCALATOR
EQ.	EQUAL
EXIST.	EXISTING
EXP.	EXPANSION
EJ	EXPANSION JOINT
EXT.	EXTERIOR

F.S.	FAR SIDE
FIN.	FINISH
F.F.	FINISH FLOOR
FLR.	FLOOR
FTG.	FOOTING
FND.	FOUNDATION
GALV.	GALVANIZE
GA.	GAUGE
GR.	GRADE
HD.	HAND
H.R.	HARD ROCK
HT.	HEIGHT
HK.	HOOK
HORIZ.	HORIZONTAL
IN.	INCH
INFO.	INFORMATION
I.D.	INSIDE DIAMETER
INT.	INTERIOR
JT.	JOINT
JST.	JOIST
K	KIPS
K.O.	KNOCK OUT
△LL	LIVE LOAD DEFLECTION
LVL.	LEVEL
LT.	LIGHT
LT. WT.	LIGHT WEIGHT
LLH	LONG LEG HORIZONTAL
LLV	LONG LEG VERTICAL
MACH.	MACHINE
MFR.	MANUFACTURER
M.L.	MATCH-LINE
MAT'L	MATERIAL
MAX.	MAXIMUM
MECH.	MECHANICAL
MEZZ.	MEZZANINE
MID.	MIDDLE
MIN.	MINIMUM
MISC.	MISCELLANEOUS
MON.	MONOLITHIC
N.S.	NEAR SIDE
NIC	NOT IN CONTRACT
NTS	NOT TO SCALE
N	NUMBER
NO.	NUMBER
O.C.	ON CENTER
OPNG.	OPENING
OPP.	OPPOSITE
O.H.	OPPOSITE HAND
O.D.	OUTSIDE DIAMETER

PERP.	PERPENDICULAR
ℙ	PLATE
PL.	PLATE
P.C.F.	POUNDS PER CUBIC FOOT
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PC	PRECAST
PROJ.	PROJECTION
REF.	REFER TO OR REFERENCE
REINF.	REINFORCEMENT OR REINFORCE
REM.	REMAINDER
R.	REMAINDER OR RADIUS
REQ'D.	REQUIRED
RTU	ROOF TOP UNIT
SCHED.	SCHEDULE
SECT.	SECTION
SHT.	SHEET
SLH	SHORT LEG HORIZONTAL
SLV	SHORT LEG VERTICAL
SHR.	SHRINKAGE
SIM.	SIMILAR
S	SIZE (BAR)
S.O.G.	SLAB ON GRADE
SYP	SOUTHERN YELLOW PINE
SPA.	SPACING
SPEC.	SPECIFICATION
SS	STAINLESS STEEL
STD.	STANDARD
STL.	STEEL
STL. BM.	STEEL BEAM
STIFF.	STIFFENER
S.A.	STUD ANCHOR
SYM.	SYMMETRICAL
TEN	TENSION
T	TENSION FORCE
TEMP.	TEMPERATURE
TERM.	TERMINATE
T&B	TOP AND BOTTOM
T.O.	TOP OF
T.O.C.	TOP OF CONCRETE
T.O.F.	TOP OF FOOTING
T.O.S.	TOP OF SLAB
T.O. STL.	TOP OF STEEL
TS	TUBE SECTION (STEEL)
T	TYPE (BAR or STIRRUP)
TYP.	TYPICAL
U.N.O.	UNLESS NOTED OTHERWISE
VAR.	VARIES
VERT.	VERTICAL
WT.	WEIGHT
WWF.	WELDED WIRE FABRIC
W/	WITH
W/O	WITHOUT
W.P.	WORK POINT



GENERAL NOTES

GENERAL NOTES

1. FOUNDATION DESIGN AND SUBSURFACE INFORMATION IS BASED ON THE GEOTECHNICAL INVESTIGATION PROVIDED BY GEOTEL ENGINEERING, INC. REPORT NO. E08-130 DATED MARCH 6, 2008. THE PIER FOUNDATIONS SHALL CONSIST OF DRILLED STRAIGHT SHAFT PIERS. FOUNDED IN GREY UNWEATHERED SHALE. DRILLED PIERS ARE DESIGNED FOR A NET END BEARING PRESSURE OF 20 ksf AND NET SKIN FRICTION OF 2 ksf IN COMPRESSION AND 1.2 ksf IN TENSION (UPLIFT).

2. THE BUILDING SLAB SHALL BE PLACED OVER A 4" CRUSHED STONE DRAINAGE LAYER OVER SUBGRADE PREPARED PER THE RECOMMENDATIONS OF THE GEOTECHNICAL REPORT. ALL FILL, EXISTING PAVEMENTS AND FOUNDATIONS, ORGANICS AND ANY OTHER DELETERIOUS MATERIALS SHALL BE REMOVED AND REPLACED WITH APPROVED FILL.

3. THE STRUCTURAL DESIGN IS IN ACCORDANCE WITH THE PROVISIONS OF THE INTERNATIONAL BUILDING CODE, 2003 EDITION.

4. DESIGN LOADS ARE LISTED BELOW:
   A. LIVE LOADS:
      PUBLIC AREAS — 100 PSF
   B. WIND LOADS: — PER ASCE 7-02, 90 MPH

   LIVE LOAD REDUCTIONS ARE IN ACCORDANCE TO THE 1994 UNIFORM BUILDING CODE. NO ROOF LIVE LOAD REDUCTION IS TAKEN ON ANY ROOF MEMBER.

5. PRINCIPAL OPENINGS ARE SHOWN ON THE DRAWINGS. SEE ARCHITECTURAL, MECHANICAL AND ELECTRICAL DRAWINGS FOR SLEEVES, CURBS, INSERTS AND OTHER OPENINGS NOT SHOWN. THE CONTRACTOR SHALL PROVIDE FOR ALL OPENINGS WHETHER SHOWN ON THE STRUCTURAL DRAWINGS OR NOT. THE GENERAL CONTRACTOR SHALL VERIFY THE SIZE AND LOCATION OF ALL OPENINGS WITH THE MECHANICAL SUBCONTRACTOR AND SHALL COORDINATE THEM WITH THE MECHANICAL EQUIPMENT PURCHASED. ANY DEVIATION FROM OR ADDITIONS TO OPENINGS SHOWN ON THE STRUCTURAL DRAWINGS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT FOR APPROVAL PRIOR TO FABRICATION OR INSTALLATION OF STRUCTURAL MEMBERS.

6. LOADINGS FOR MECHANICAL EQUIPMENT ARE BASED ON THE UNITS SHOWN ON THE MECHANICAL DRAWINGS. ANY CHANGES IN TYPE, SIZE, MANUFACTURER, WEIGHT OR NUMBER OF PIECES OF EQUIPMENT SHALL BE REPORTED TO THE ARCHITECT FOR VERIFICATION OF THE ADEQUACY OF SUPPORTING MEMBERS PRIOR TO THE PLACEMENT OF SUCH EQUIPMENT.

7. SEE ARCHITECTURAL DRAWINGS FOR ELEVATIONS NOT SHOWN AND FOR EXACT LOCATIONS OF ALL SLAB DEPRESSIONS. THE CONTRACTOR SHALL COMPARE THE STRUCTURAL SECTIONS WITH THE ARCHITECTURAL SECTIONS AND REPORT ANY DISCREPANCY TO THE ARCHITECT PRIOR TO FABRICATING OR INSTALLING STRUCTURAL MEMBERS.

8. REFERENCE ARCHITECTURAL DRAWINGS FOR ALL EXPANSION JOINT DETAILS, BLOCKOUTS, AND LOCATIONS.

9. REFER TO ARCHITECTURAL DRAWINGS FOR DIMENSIONS NOT SHOWN.

CONCRETE NOTES

1. ALL CONCRETE SHALL BE LABORATORY DESIGNED AND CONTROLLED AND SHALL MEET THE REQUIREMENTS OF "BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE" (ACI318). CONCRETE SHALL ALSO CONFORM TO THE FOLLOWING REQUIREMENTS:

COMPRESSIVE STRENGTH @ 28 DAYS U.N.O.	TYPE AGGREGATE	AIR ENTRAINMENT	USAGE	WATER/CEMENT RATIO (MAX.)	MODULUS OF ELASTICITY (MIN.)
3000 PSI	CRUSHED LIMESTONE	NO	DRILLED PIERS (24" DIA. ONLY) AS NOTED IN SCHEDULE, AND SLAB-ON-GRADE	0.55	3.1×10^6 PSI

2. ALL CONCRETE WORK TO BE IN ACCORDANCE WITH ACI 318 AND ACI 301.

3. CONCRETE PROTECTION FOR REINFORCEMENT SHALL BE AS NOTED BELOW. REFERENCE ACI 318 SECTION 7.7 FOR CONDITIONS NOT NOTED.

PILASTERS	3" BACKFILLED SIDES 2" NON-BACKFILLED SIDES
ALL CONCRETE PLACED AGAINST SOIL	3"
SLABS-ON-GRADE	1" TOP
BASEMENT WALLS	2" BACKFILLED SIDES 1" NON-BACKFILLED SIDES

CONCRETE NOTES (CONT.)

NON PRESTRESSED CONCRETE	
CONCRETE EXPOSED TO SOIL OR WEATHER	2" (#6 OR LARGER BARS) 1 1/2" (#5 BAR OR SMALLER)
CONCRETE NOT EXPOSED TO SOIL OR WEATHER :	
BEAMS AND COLUMNS	1 1/2" (REF. DETAILS)
ELEVATED STRUCTURAL SLABS	1"
PRESTRESSED CONCRETE:	
CONCRETE EXPOSED TO EARTH OR WEATHER	1" (SLABS) 1 1/2" (BEAMS)
CONCRETE NOT EXPOSED TO EARTH OR WEATHER :	
SLABS	3/4"
BEAMS	1 1/2"

4. IN THE EVENT THAT CONCRETE CASTING IS INTERRUPTED HORIZONTAL OR NEARLY HORIZONTAL CONSTRUCTION JOINTS SHALL BE PREPARED BY ROUGHENING THE SURFACE IN AN APPROVED MANNER SO THAT THE AGGREGATE IS EXPOSED UNIFORMLY, LEAVING NO LAITANCE, LOOSE PARTICLES OR DAMAGED CONCRETE. ALL HORIZONTAL JOINTS AND REMEDIAL ACTION SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW AND APPROVED.

5. ALL CONCRETE TO BE PUMPED SHALL CONTAIN HIGH RANGE WATER REDUCER. REFER TO SPECIFICATIONS FOR MORE INFO.

6. ALL CURING COMPOUNDS SHALL BE NON-CHLORIDE & SELF DISSIPATING. CONTRACTOR SHALL ACCOUNT FOR SCHEDULE IMPLICATIONS IMPACTING THE INSTALLATION OF FINISH MATERIALS WITH REGARD TO MOISTURE CONTENT OF CONCRETE.

STRUCTURAL STEEL AND METAL DECK NOTES

1. STRUCTURAL STEEL SHALL BE NEW AND SHALL CONFORM TO AISC. "SPECIFICATION FOR THE DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS", LATEST APPROVED ADDITION.

2. ALL STRUCTURAL STEEL SHAPES, PLATES, ETC., SHALL CONFORM TO THE FOLLOWING DESIGNATIONS, UNLESS NOTED OTHERWISE:

   ASTM A36 — ALL STRUCTURAL STEEL UNLESS NOTED OTHERWISE

3. STEEL MEMBERS SHALL NOT BE SPLICED EXCEPT WHERE SHOWN ON THE DRAWINGS, UNLESS APPROVED BY THE ENGINEER.

4. ALL STRUCTURAL STEEL DETAILS AND CONNECTIONS SHALL CONFORM TO THE STANDARDS OF THE AISC.

5. ALL ANCHOR BOLTS SHALL CONFORM TO ASTM F1554, EXCEPT AS NOTED. REFER TO BASEPLATE DETAILS FOR LOCATIONS WHERE A325 ANCHOR BOLTS ARE REQUIRED.

6. HOT DIP GALVANIZE ALL STRUCTURAL STEEL EXPOSED TO WEATHER.

REINFORCING STEEL NOTES

1. ALL REINFORCING SHALL BE NEW BILLET STEEL, ASTM A615 – GRADE 60 UNLESS NOTED OTHERWISE. REINFORCING SHALL BE DETAILED AND FABRICATED IN ACCORDANCE WITH THE ACI SP-66 AND ACI 318.

2. ALL #11, #14 AND #18 REINFORCING BARS SHALL BE NEW BILLET STEEL ASTM A615 – GRADE 75. REINFORCING SHALL BE DETAILED & FABRICATED IN ACCORDANCE WITH THE ACI SP-66 & ACI 318.

3. HEADED STUDS USED IN FABRICATION OF EMBEDDED ASSEMBLIES SHALL BE WELDED TO THOSE ASSEMBLIES USING A FULL FUSION PROCESS.

4. HORIZONTAL WALL REINFORCEMENT SHALL BE CONTINUOUS AND SHALL HAVE 90 DEGREE BENDS AND EXTENSIONS AT CORNERS AND INTERSECTIONS AS SHOWN ON THE DRAWINGS.

5. ALL LAPS IN WELDED WIRE FABRIC SHALL BE ONE MESH PLUS TWO INCHES AT SLICES.

6. ALL BARS USED FOR DEFORMED BAR ANCHORS (DBA) SHALL CONFORM TO ASTM A706 fy = 60ksi UNLESS NOTED OTHERWISE

BACKFILL NOTES

1. BASEMENT WALLS, ELEVATOR PIT WALLS AND GARAGE RETAINING WALLS ARE DESIGNED FOR AN AT-REST EQUIVALENT FLUID PRESSURE OF FIFTY-FIVE (55) POUNDS PER SQUARE FOOT PER FOOT OF DEPTH AND AN ACTIVE EQUIVALENT FLUID PRESSURE OF THIRTY-FIVE (35) POUNDS PER SQUARE FOOT PER FOOT OF DEPTH. ALL WALLS SHALL BE DRAINED AND BACKFILLED WITH CRUSHED STONE OR GRAVEL AGGREGATE AND SHALL MEET TXDOT 1993 STANDARD SPECIFICATIONS FOR CONSTRUCTION OF HIGHWAYS, STREETS AND BRIDGES , ITEM 247, FLEXIBLE BASE, TYPE A, TYPE B, OR TYPE C, GRADE 1 THROUGH 5. SELECT FILL SHALL BE PLACED IN LOOSE LIFTS NOT EXCEEDING 8 INCH IN THICKNESS AND COMPACTED TO AT LEAST 95 PERCENT OF MAXIMUM DENSITY AS DETERMINED BY TXDOT, TEX-113E, COMPACTION TEST. THE MOISTURE CONTENT OF THE FILL SHOULD BE MAINTAINED WITHIN THE RANGE 2 PERCENTAGE POINT BELOW TO 2 PERCENTAGE POINTS ABOVE THE OPTIMAL MOISTURE CONTENT UNTIL FINAL COMPACTION. REFERENCE GEOTECHNICAL REPORT FOR ADDITIONAL INFORMATION.

2. THE WALL SHALL NOT BE BACKFILLED UNTIL:
   1.) THE WALL AND FLOOR CONCRETE STRENGTH HAS REACHED THE SPECIFIED 28 DAY COMPRESSIVE STRENGTH.

BM #1 REF. ELEVATION = 559.47
SQUARE CUT IN TOP OF CURB, SOUTH MEDIAN END NOSE, MARSH LANE

1127' NORTH OF VITRUVIAN WAY.
BM #2 REF. ELEVATION = 547.84
SQUARE CUT IN TOP OF CURB, NORTH MEDIAN END NOSE, AT INTERSECTION OF

VITRUVIAN WAY AND MARSH LANE.

APRIL 26, 2010

The seal appearing on this document was authorized by Richard L. Reed, P.E. 87876 on April 26, 2010. Alteration of a sealed document without proper notification to the responsible engineer is an offense under the Texas Engineering Act.

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Telephone (214) 824-3647, Fax (214) 824-2586

BDD PROJECT #09118

NO.	REVISION	BY	DATE

TOWN OF ADDISON
DALLAS COUNTY, TEXAS

PARK IMPROVEMENTS
VITRUVIAN PARK

GENERAL NOTES & ABBREVIATIONS

WATER FEATURES by Greenscape

PROJECT	DESIGN	DRAWN	DATE	FILE	SHEET
5029-01	RLR	TN	APRIL 26, 2010	PW # 2009-04	S101

PARK IMPROVEMENTS - VITRUVIAN PARK

Tx. Reg. No. 841

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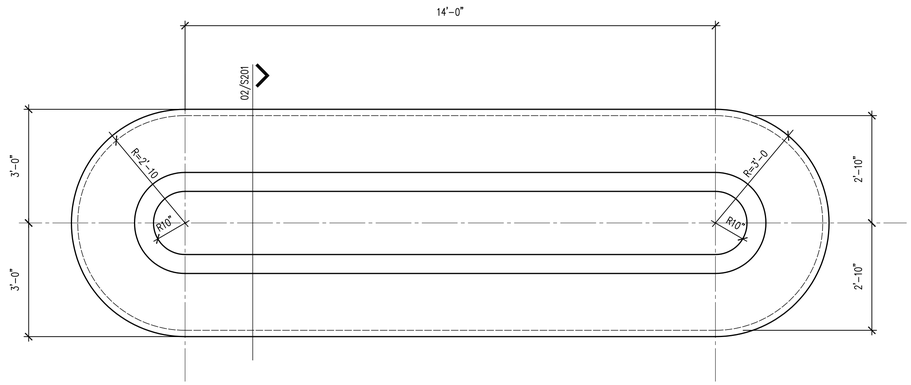
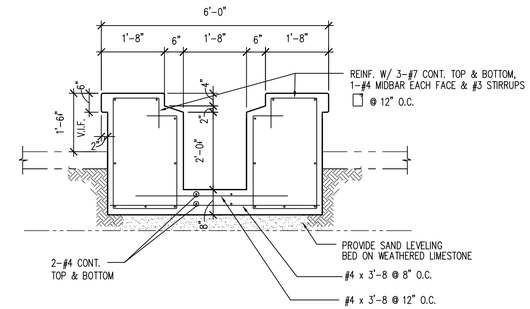


01 STREET FOUNTAIN PLAN

SCALE: 1/2"=1'-0

PLAN NOTES

1. REFER TO GREENSCAPE DRAWINGS FOR LOCATIONS AND ELEVATION ON SITE.
2. CONCRETE STRENGTH: f'c = 3000 PSI HARDROCK NORMAL WEIGHT.
3. PLACE FOUNTAIN OVER WELL COMPACTED SAND BED OVER IN SITU WEATHERED LIMESTONE.



02 STREET SECTION

SCALE: 1/2"=1'-0

BM #1 REF. ELEVATION = 559.47
SQUARE CUT IN TOP OF CURB, SOUTH MEDIAN END NOSE, MARSH LANE

1127' NORTH OF VITRUVIAN WAY.
BM #2 REF. ELEVATION = 547.84
SQUARE CUT IN TOP OF CURB, NORTH MEDIAN END NOSE, AT INTERSECTION OF

VITRUVIAN WAY AND MARSH LANE.

STATE OF TEXAS
RICHARD L. REED
87876
LICENSED
PROFESSIONAL ENGINEER

APRIL. 26, 2010

The seal appearing on this document was authorized by Richard L. Read, P.E. 87876 on April 26, 2010. Alteration of a sealed document without proper notification to the responsible engineer is an offense under the Texas Engineering Act.

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BDD PROJECT #09118

NO.	REVISION	BY	DATE

TOWN OF ADDISON
DALLAS COUNTY, TEXAS

PARK IMPROVEMENTS
VITRUVIAN PARK

STREET FOUNTAIN
PLAN & SECTION

WATER FEATURES by Greenscape

PROJECT	DESIGN	DRAWN	DATE	FILE	SHEET
5029-01	RLR	TN	APRIL 26, 2010	PW# 2009-04	S201

PARK IMPROVEMENTS - VITRUVIAN PARK

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SIDEWALK WATER FEATURE COMPONENT LEGEND – PHASE I

SYM	DETAIL	DESCRIPTION	MODEL NO.	#REQ'D
1	D102–01	PRE–FABRICATED DIRECT BURIAL EQUIPMENT VAULT TO INCLUDE DISPLAY / FILTER PUMP, STRAINER, FILTER, WATER TREATMENT EQUIPMENT, ALL NECESSARY VALVING AND ELECTRICAL CONTROLS.	RDP–2–300	1
2	D101–02	3" SUCTION PENETRATION	RA/DP–884	2
3	D101–03	3/4" BUBBLER NOZZLE	RBN–075	8
4	D101–04	FRONT ACCESS SKIMMER	RPS–150–FA–WS	2
5	D101–05	VACUUM FITTING	RVF–150–WS	1
6	D101–06	EYEBALL INLET FITTING	REF–150–WS	1
7	D101–07	SIDEWALL OVERFLOW DRAIN	ROVS–300–W	1
8	D101–08	FLOOR DRAIN FITTING	RFD–300	1
9	D101–09	WATER LEVEL CONTROL SENSOR	HYDREL ELWC1	1
10	D101–10	'COPPER SILVER' IONIZER	RCUAG–25	1
11	D101–11	FREESTANDING LIGHT FIXTURE	RFL–250–E	8
12	D101–12	FOUR CORD SUBMERSIBLE JUNCTION BOX	RJB–4–100	2
13	D102–03	ANEMOMETER (FIELD VERIFY LOCATION)	WS425	1
14	D102–04	3" DISCHARGE WATERSTOP PENETRATION	RWS–300–P	2

SIDEWALK WATER FEATURE PIPING LEGEND – PHASE I

SYM	SIZE	DESCRIPTION	#REQ'D
1	3"	DISPLAY SUCTION LINE	1
2	3"	DISPLAY SUCTION LINE	2
3	3"	DISPLAY DISCHARGE LINE	1
4	3"	DISPLAY DISCHARGE LINE	2
5	2"	DISPLAY DISCHARGE MANIFOLD	1
6	3/4"	DISPLAY DISCHARGE LINE	2
7	2"	FILTER SUCTION LINE	1
8	1 1/2"	SKIMMER SUCTION LINE	2
9	1 1/2"	VACUUM LINE	1
10	2"	FILTER DISCHARGE LINE	1
11	1 1/2"	FILTER EYEBALL FITTING DISCHARGE LINE	1
12	3"	OVERFLOW LINE	1
13	3"	DRAIN LINE	1
14	3"	OVERFLOW / DRAIN LINE TO SANITARY	1

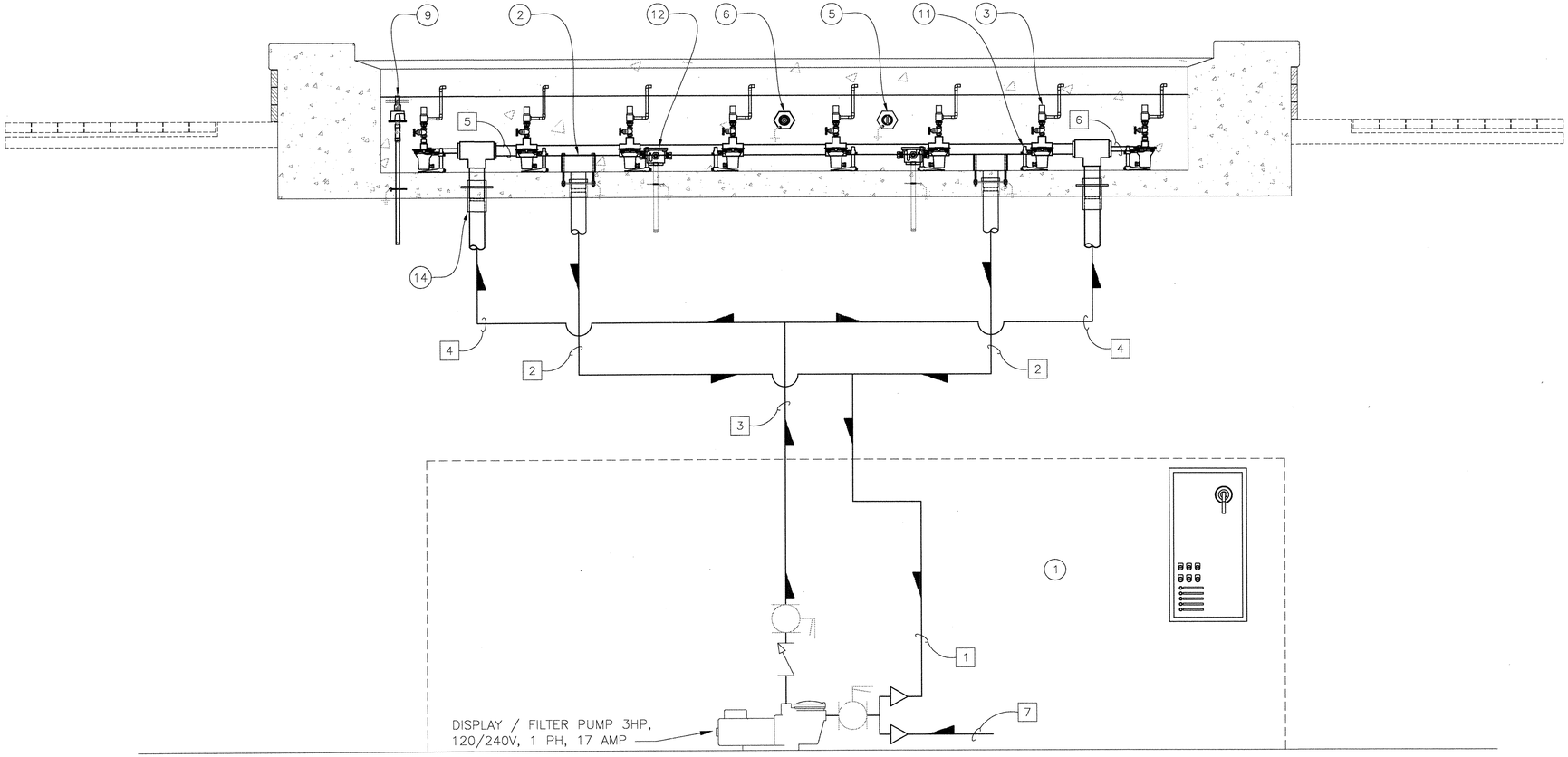
PUMP SYSTEMS, POOL FITTINGS, PIPING, AND ELECTRICAL RUNS ARE SHOWN FOR CLARITY ONLY. ACTUAL ROUTING MAY DIFFER IN THE FIELD

ELECTRICAL CONDUIT – DASH DOUBLE DOT

HYDRAULIC PIPING/LINES – CONTINUOUS

UNDERWATER CABLE – DASH DOT

FLOW DIRECTION



01 DISPLAY PIPING RISER DIAGRAM
3/4" = 1' - 0"

WATERPROOFING

WATERPROOF ENTIRE WATER FEATURE TO PROVIDE A LEAKPROOF COATING ON ALL SLABS AND WALLS

COAT WITH CEMENTITOUIS ELASTOMATERIC COATING MATERIAL TO TOP OF WALL (AQUAFIN–2K/M OR EQUAL)

STATE OF TEXAS
MICHAEL N. PEEPLES
38298
REGISTERED
PROFESSIONAL ENGINEER
4/26/2010

BM #1 REF. ELEVATION = 559.47
SQUARE CUT IN TOP OF CURB, SOUTH MEDIAN END NOSE, MARSH LANE 1127' NORTH OF VITRUVIAN WAY.

BM #2 REF. ELEVATION = 547.84
SQUARE CUT IN TOP OF CURB, NORTH MEDIAN END NOSE, AT INTERSECTION OF VITRUVIAN WAY AND MARSH LANE.

NO.	REVISION	BY	DATE

Addison! TOWN OF ADDISON
DALLAS COUNTY, TEXAS

PARK IMPROVEMENTS
VITRUVIAN PARK

STREET FOUNTAIN DISPLAY PIPING RISER DIAGRAM

Greenscape
greenscapepumps.com

PROJECT	DESIGN	DRAWN	DATE	FILE	SHEET
5029–01	RJB	RJB	APR. 26, 2010	PW# 2009–04	M101

PARK IMPROVEMENTS – VITRUVIAN PARK

SIDEWALK WATER FEATURE COMPONENT LEGEND – PHASE I

SYM	DETAIL	DESCRIPTION	MODEL NO.	#REQ'D
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2	D101–02	3" SUCTION PENETRATION	RA/DP–884	2
3	D101–03	3/4" BUBBLER NOZZLE	RBN–075	8
4	D101–04	FRONT ACCESS SKIMMER	RPS–150–FA–WS	2
5	D101–05	VACUUM FITTING	RVF–150–WS	1
6	D101–06	EYEBALL INLET FITTING	REF–150–WS	1
7	D101–07	SIDEWALL OVERFLOW DRAIN	ROVS–300–W	1
8	D101–08	FLOOR DRAIN FITTING	RFD–300	1
9	D101–09	WATER LEVEL CONTROL SENSOR	HYDREL ELWC1	1
10	D101–10	'COPPER SILVER' IONIZER	RCUAG–25	1
11	D101–11	FREESTANDING LIGHT FIXTURE	RFL–250–E	8
12	D101–12	FOUR CORD SUBMERSIBLE JUNCTION BOX	RJB–4–100	2
13	D102–03	ANEMOMETER (FIELD VERIFY LOCATION)	WS425	1
14	D102–04	3" DISCHARGE WATERSTOP PENETRATION	RWS–300–P	2

SIDEWALK WATER FEATURE PIPING LEGEND – PHASE I

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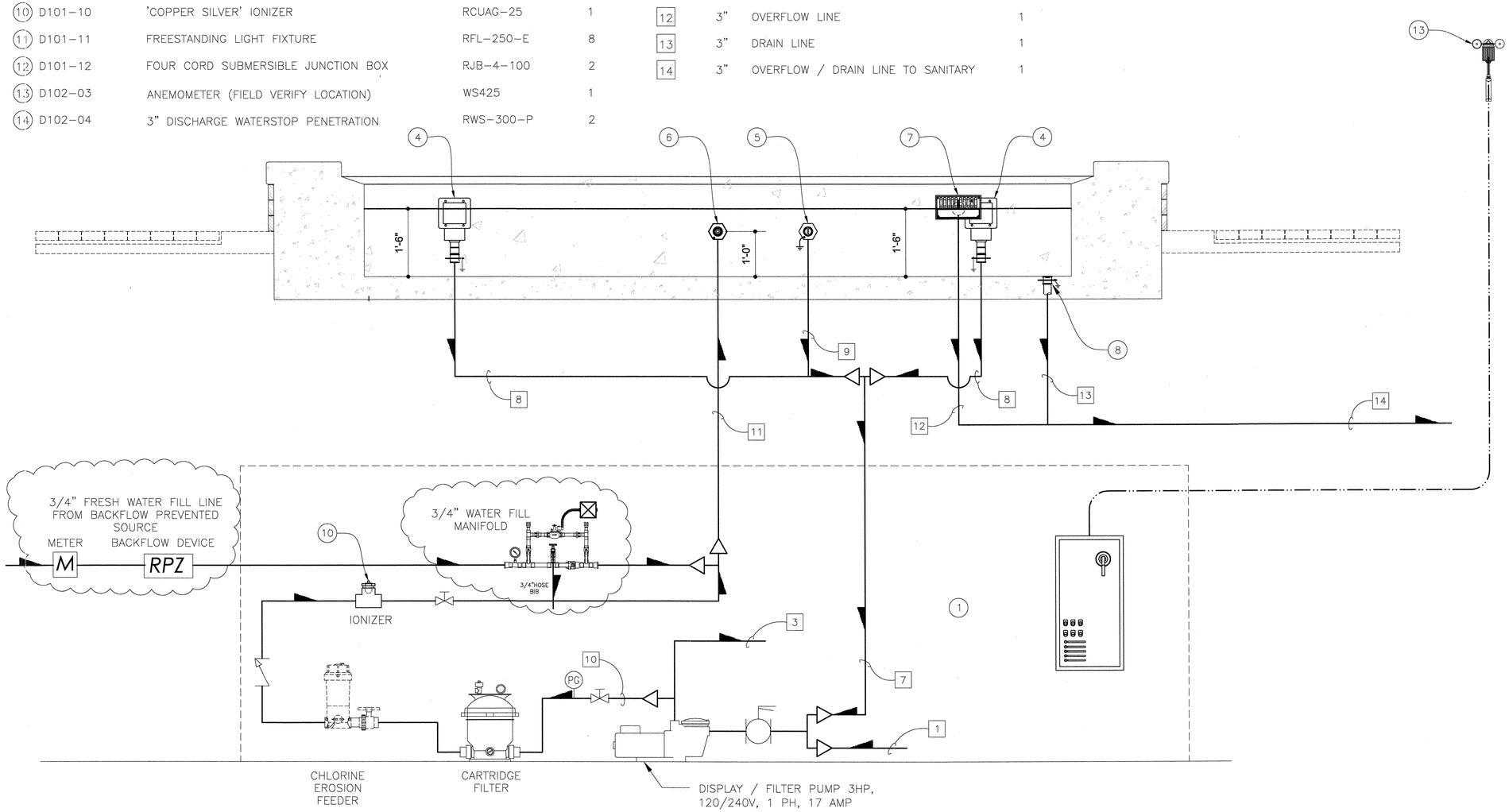
ELECTRICAL CONDUIT – DASH DOUBLE DOT

HYDRAULIC PIPING/LINES – CONTINUOUS

UNDERWATER CABLE – DASH DOT

FLOW DIRECTION



01 FILTER AND DRAIN PIPING RISER DIAGRAM
3/4" = 1' - 0"

STATE OF TEXAS
RICHARD JAMES BARINA
87685
REGISTERED
PROFESSIONAL ENGINEER

Richard J. Barina, P.E.
8/16/10

NO.	REVISION	BY	DATE
1	SIDEWALK FOUNTAIN FILL VALVE CHANGE	BJW	8/12/2010

Addison TOWN OF ADDISON
DALLAS COUNTY, TEXAS

PARK IMPROVEMENTS
VITRUVIAN PARK

STREET FOUNTAIN FILTER PIPING AND DRAIN PIPING RISER DIAGRAM

Greenscape
greenscapepump.com

PROJECT	DESIGN	DRAWN	DATE	FILE	SHEET
5029–01	RJB	RJB	APR. 26, 2010	PW# 2009–04	M102

PARK IMPROVEMENTS – VITRUVIAN PARK

SIDEWALK WATER FEATURE COMPONENT LEGEND – PHASE I

SYM	DETAIL	DESCRIPTION	MODEL NO.	#REQ'D
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(2)	D101–02	3" SUCTION PENETRATION	RA/DP–884	2
(3)	D101–03	3/4" BUBBLER NOZZLE	RBN–075	8
(4)	D101–04	FRONT ACCESS SKIMMER	RPS–150–FA–WS	2
(5)	D101–05	VACUUM FITTING	RVF–150–WS	1
(6)	D101–06	EYEBALL INLET FITTING	REF–150–WS	1
(7)	D101–07	SIDEWALL OVERFLOW DRAIN	ROVS–300–W	1
(8)	D101–08	FLOOR DRAIN FITTING	RFD–300	1
(9)	D101–09	WATER LEVEL CONTROL SENSOR	HYDREL ELWC1	1
(10)	D101–10	'COPPER SILVER' IONIZER	RCUAG–25	1
(11)	D101–11	FREESTANDING LIGHT FIXTURE	RFL–250–E	8
(12)	D101–12	FOUR CORD SUBMERSIBLE JUNCTION BOX	RJB–4–100	2
(13)	D102–03	ANEMOMETER (FIELD VERIFY LOCATION)	WS425	1
(14)	D102–04	3" DISCHARGE WATERSTOP PENETRATION	RWS–300–P	2

SIDEWALK WATER FEATURE PIPING LEGEND – PHASE I

SYM	SIZE	DESCRIPTION	#REQ'D
1	3"	DISPLAY SUCTION LINE	1
2	3"	DISPLAY SUCTION LINE	2
3	3"	DISPLAY DISCHARGE LINE	1
4	3"	DISPLAY DISCHARGE LINE	2
5	2"	DISPLAY DISCHARGE MANIFOLD	1
6	3/4"	DISPLAY DISCHARGE LINE	2
7	2"	FILTER SUCTION LINE	1
8	1 1/2"	SKIMMER SUCTION LINE	2
9	1 1/2"	VACUUM LINE	1
10	2"	FILTER DISCHARGE LINE	1
11	1 1/2"	FILTER EYEBALL FITTING DISCHARGE LINE	1
12	3"	OVERFLOW LINE	1
13	3"	DRAIN LINE	1
14	3"	OVERFLOW / DRAIN LINE TO SANITARY	1

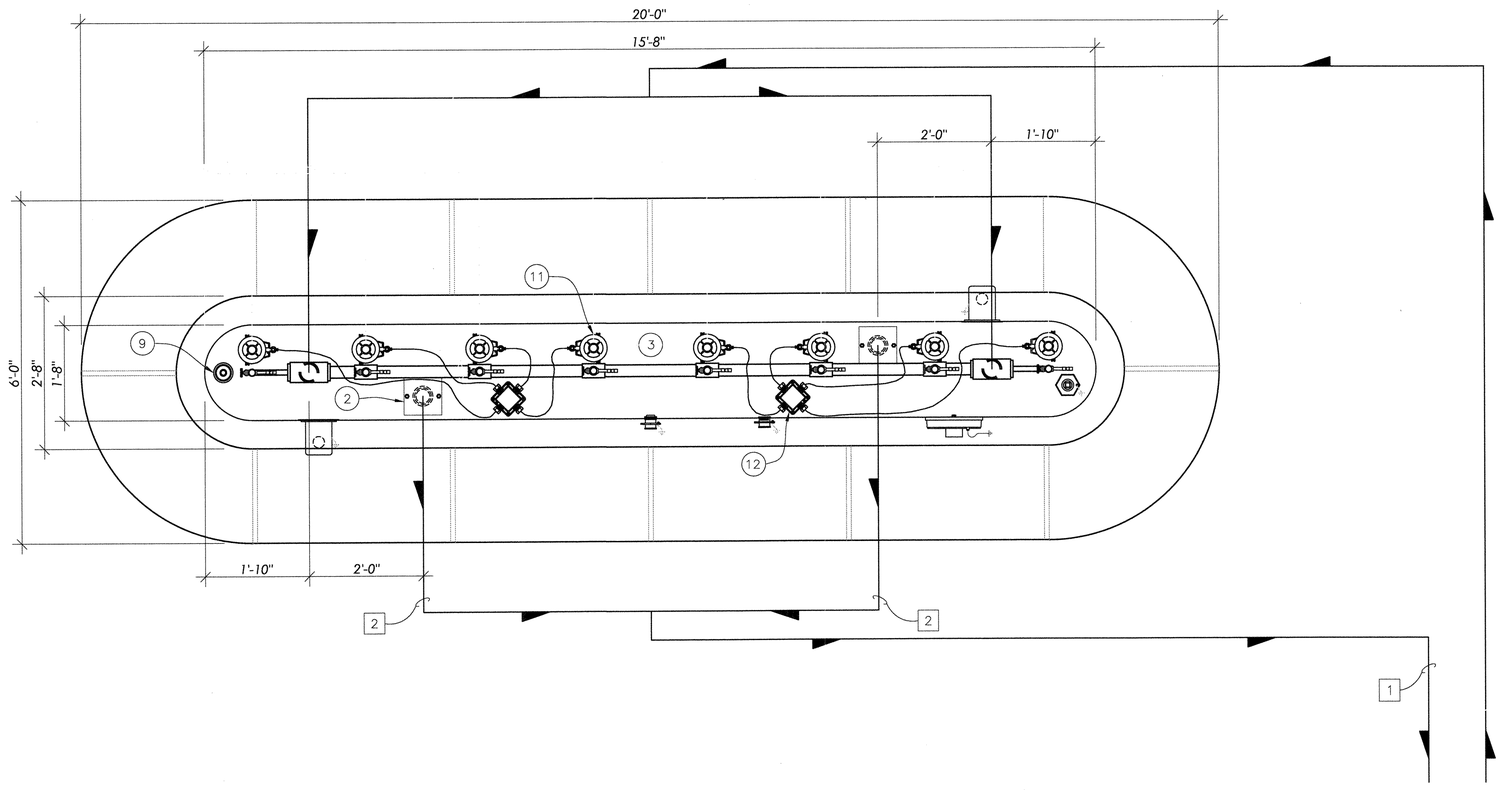
PUMP SYSTEMS, POOL FITTINGS, PIPING, AND ELECTRICAL RUNS ARE SHOWN FOR CLARITY ONLY. ACTUAL ROUTING MAY DIFFER IN THE FIELD

ELECTRICAL CONDUIT – DASH DOUBLE DOT

HYDRAULIC PIPING/LINES – CONTINUOUS

UNDERWATER CABLE – DASH DOT

FLOW DIRECTION



01 DISPLAY AND LIGHTING COMPONENT LAYOUT
1/2" = 1' - 0"

STATE OF TEXAS
MICHAEL N. PEEPLES
38298
REGISTERED
PROFESSIONAL ENGINEER
4/26/2010

BM #1 REF. ELEVATION = 559.47
SQUARE CUT IN TOP OF CURB, SOUTH MEDIAN END NOSE, MARSH LANE 1127' NORTH OF VITRUVIAN WAY.

BM #2 REF. ELEVATION = 547.84
SQUARE CUT IN TOP OF CURB, NORTH MEDIAN END NOSE, AT INTERSECTION OF VITRUVIAN WAY AND MARSH LANE.

NO.	REVISION	BY	DATE

Addison! *TOWN OF ADDISON*
DALLAS COUNTY, TEXAS

PARK IMPROVEMENTS
VITRUVIAN PARK

STREET FOUNTAIN DISPLAY AND LIGHTING COMPONENT LAYOUT

Greenscape
greenscapepumps.com

PROJECT	DESIGN	DRAWN	DATE	FILE	SHEET
5029–01	RJB	RJB	APR. 26, 2010	PW# 2009–04	M103

PARK IMPROVEMENTS – VITRUVIAN PARK

SIDEWALK WATER FEATURE COMPONENT LEGEND – PHASE I

SYM	DETAIL	DESCRIPTION	MODEL NO.	#REQ'D
1	D102–01	PRE–FABRICATED DIRECT BURIAL EQUIPMENT VAULT TO INCLUDE DISPLAY / FILTER PUMP, STRAINER, FILTER, WATER TREATMENT EQUIPMENT, ALL NECESSARY VALVING AND ELECTRICAL CONTROLS.	RDP–2–300	1
2	D101–02	3" SUCTION PENETRATION	RA/DP–884	2
3	D101–03	3/4" BUBBLER NOZZLE	RBN–075	8
4	D101–04	FRONT ACCESS SKIMMER	RPS–150–FA–WS	2
5	D101–05	VACUUM FITTING	RVF–150–WS	1
6	D101–06	EYEBALL INLET FITTING	REF–150–WS	1
7	D101–07	SIDEWALL OVERFLOW DRAIN	ROVS–300–W	1
8	D101–08	FLOOR DRAIN FITTING	RFD–300	1
9	D101–09	WATER LEVEL CONTROL SENSOR	HYDREL ELWC1	1
10	D101–10	'COPPER SILVER' IONIZER	RCUAG–25	1
11	D101–11	FREESTANDING LIGHT FIXTURE	RFL–250–E	8
12	D101–12	FOUR CORD SUBMERSIBLE JUNCTION BOX	RJB–4–100	2
13	D102–03	ANEMOMETER (FIELD VERIFY LOCATION)	WS425	1
14	D102–04	3" DISCHARGE WATERSTOP PENETRATION	RWS–300–P	2

SIDEWALK WATER FEATURE PIPING LEGEND – PHASE I

SYM	SIZE	DESCRIPTION	#REQ'D
1	3"	DISPLAY SUCTION LINE	1
2	3"	DISPLAY SUCTION LINE	2
3	3"	DISPLAY DISCHARGE LINE	1
4	3"	DISPLAY DISCHARGE LINE	2
5	2"	DISPLAY DISCHARGE MANIFOLD	1
6	3/4"	DISPLAY DISCHARGE LINE	2
7	2"	FILTER SUCTION LINE	1
8	1 1/2"	SKIMMER SUCTION LINE	2
9	1 1/2"	VACUUM LINE	1
10	2"	FILTER DISCHARGE LINE	1
11	1 1/2"	FILTER EYEBALL FITTING DISCHARGE LINE	1
12	3"	OVERFLOW LINE	1
13	3"	DRAIN LINE	1
14	3"	OVERFLOW / DRAIN LINE TO SANITARY	1

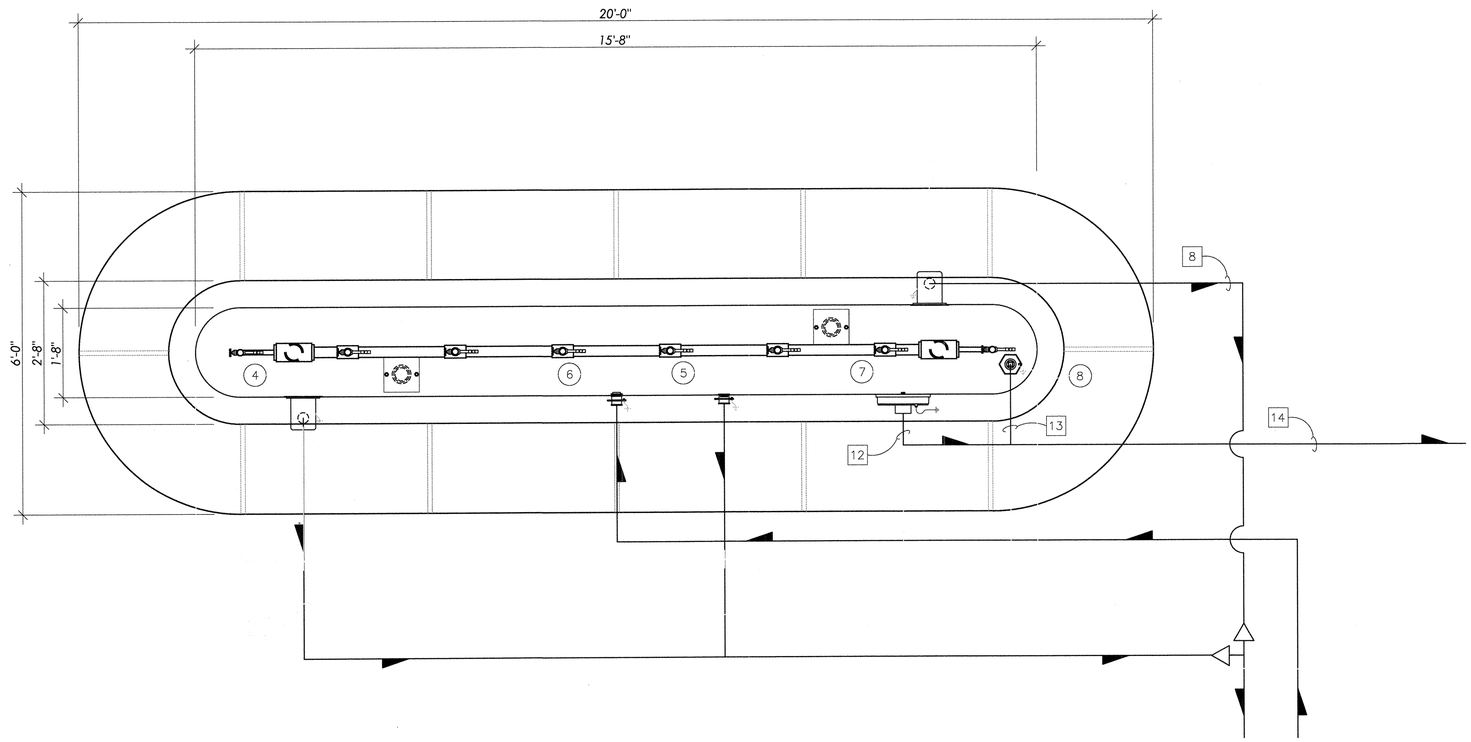
PUMP SYSTEMS, POOL FITTINGS, PIPING, AND ELECTRICAL RUNS ARE SHOWN FOR CLARITY ONLY. ACTUAL ROUTING MAY DIFFER IN THE FIELD

ELECTRICAL CONDUIT – DASH DOUBLE DOT

HYDRAULIC PIPING/LINES – CONTINUOUS

UNDERWATER CABLE – DASH DOT

FLOW DIRECTION



01 FILTER AND DRAIN COMPONENT LAYOUT
1/2" = 1' - 0"

STATE OF TEXAS
MICHAEL N. PEEPLES
38298
REGISTERED
PROFESSIONAL ENGINEER
4/14/2010

BM #1 REF. ELEVATION = 559.47
SQUARE CUT IN TOP OF CURB, SOUTH MEDIAN END NOSE, MARSH LANE 1127' NORTH OF VITRUVIAN WAY.

BM #2 REF. ELEVATION = 547.84
SQUARE CUT IN TOP OF CURB, NORTH MEDIAN END NOSE, AT INTERSECTION OF VITRUVIAN WAY AND MARSH LANE.

NO.	REVISION	BY	DATE

Addison TOWN OF ADDISON
DALLAS COUNTY, TEXAS

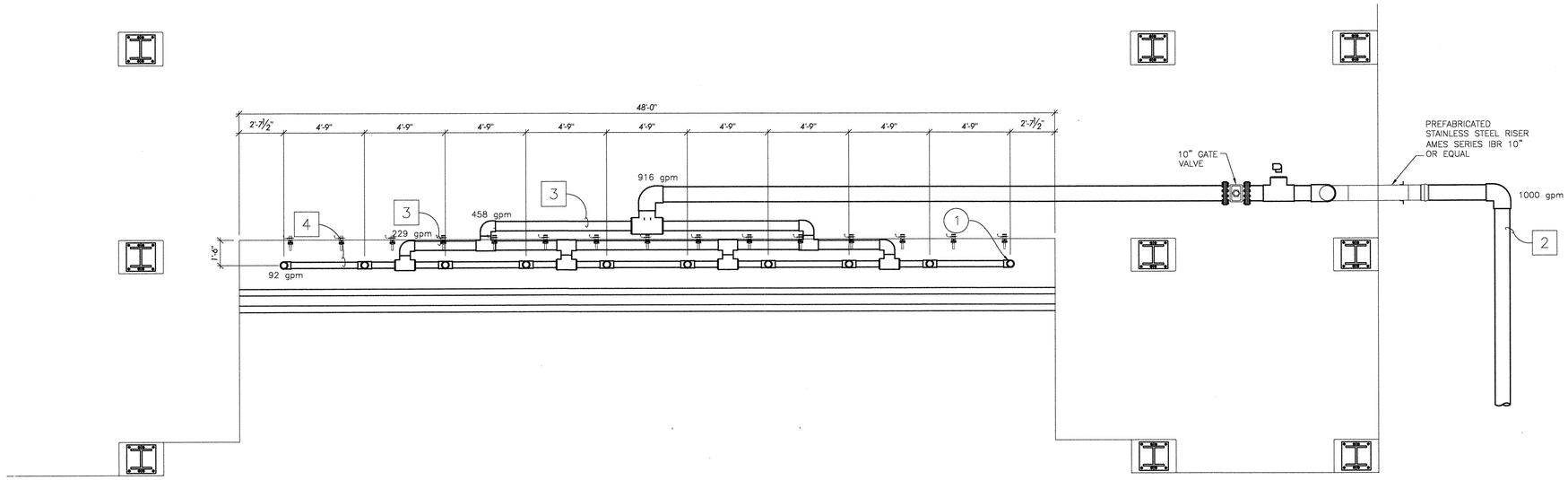
PARK IMPROVEMENTS
VITRUVIAN PARK

STREET FOUNTAIN FILTER AND DRAIN COMPONENT LAYOUT

Greenscape
greenscapeplanning.com

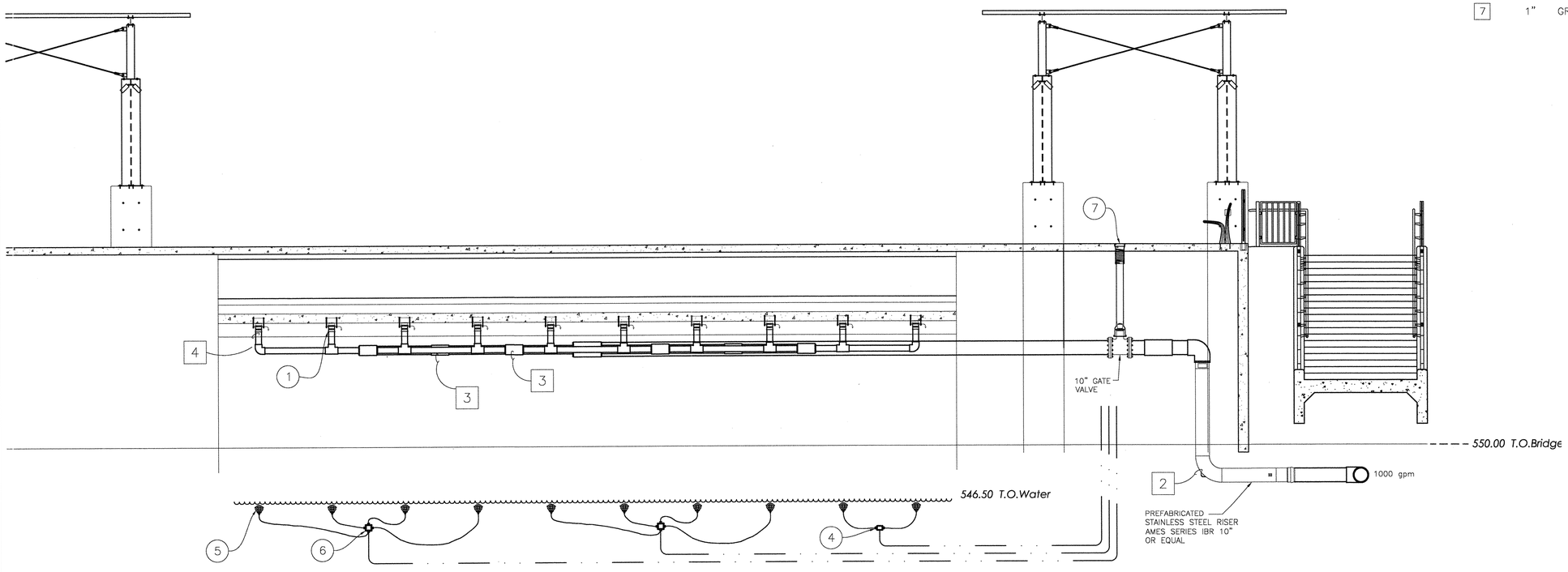
PROJECT	DESIGN	DRAWN	DATE	FILE	SHEET
5029–01	RJB	RJB	APR. 26, 2010	PW# 2009–04	M104

PARK IMPROVEMENTS – VITRUVIAN PARK



02 GROTTO FOUNTAIN BASIN DISCHARGE PIPING PLAN VIEW

1/4" = 1' - 0"



01 GROTTO FOUNTAIN BASIN DISCHARGE PIPING ELEVATIONS

1/4" = 1' - 0"

GROTTO FEATURE COMPONENT LEGEND

SYM	DETAIL	DESCRIPTION	MODEL NO.	#REQ'D
1	D101-02	3" DISCHARGE PENETRATION	RA/DP-884	10
2	D102-05	GROTTO DISCHARGE NOZZLE	RSN-200-A	15
3	D101-11	FREESTANDING LIGHT FIXTURE	RFL-250-E	15
4	D102-06	TWO CORD SUBMERSIBLE JUNCTION BOX	RJB-2-100-C	1
5	D101-11	WALL MOUNTED LIGHT FIXTURE	RFL-250-E	10
6	D101-12	FOUR CORD SUBMERSIBLE JUNCTION BOX	RJB-4-100-C	3
7	D102-07	ADJUSTABLE VALVE BOX	3960 S	2
8	D102-11	EIGHT CORD SUBMERSIBLE JUNCTION BOX	RJB-8-100-C	2

GROTTO WATER FEATURE PIPING LEGEND

SYM	SIZE	DESCRIPTION	#REQ'D
1	12"	MAIN RECIRCULATION DISCHARGE LINE	1
2	10"	GROTTO BASIN DISCHARGE LINE	1
3	6"	GROTTO BASIN DISCHARGE MANIFOLD	1
4	4"	GROTTO BASIN DISCHARGE LINE TO DIFUSER	10
5	3"	GROTTO NOZZLE DISCHARGE LINE	1
6	2"	GROTTO NOZZLE DISCHARGE MANIFOLD	1
7	1"	GROTTO NOZZLE DISCHARGE LINE TO NOZZLE	15

STATE OF TEXAS
MICHAEL N. PEEPLES
38298
REGISTERED PROFESSIONAL ENGINEER
4/26/2010

BM #1 REF. ELEVATION = 559.47
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BM #2 REF. ELEVATION = 547.84
SQUARE CUT IN TOP OF CURB, NORTH MEDIAN END NOSE, AT INTERSECTION OF VITRUVIAN WAY AND MARSH LANE.

NO.	REVISION	BY	DATE

TOWN OF ADDISON
DALLAS COUNTY, TEXAS

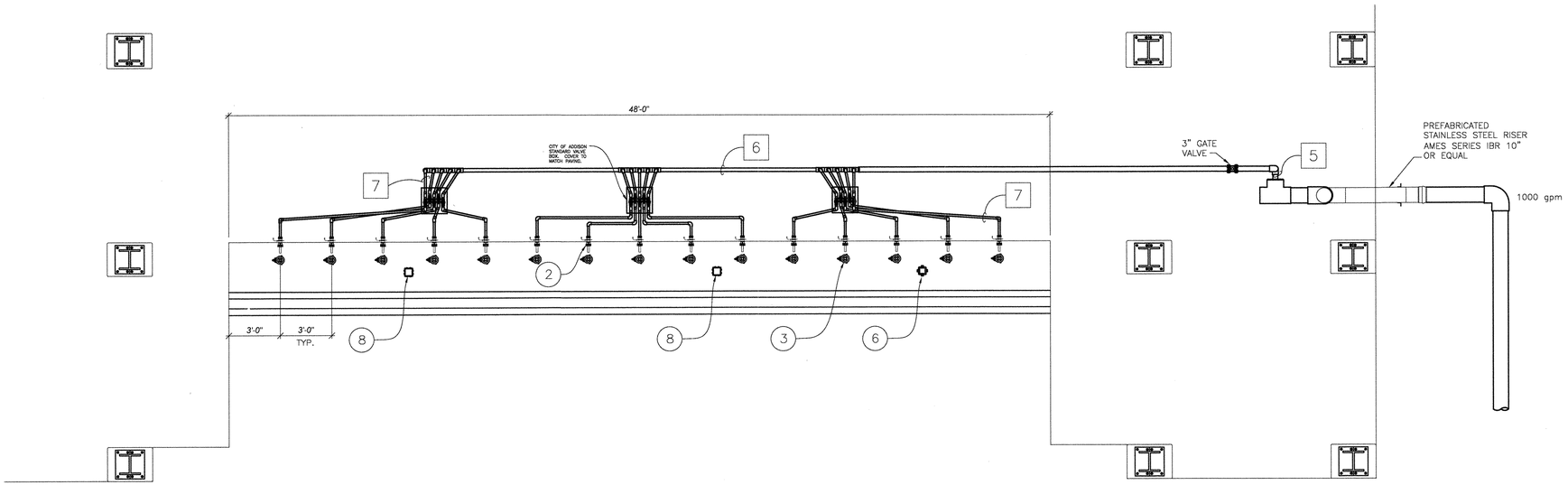
PARK IMPROVEMENTS
VITRUVIAN PARK

GROTTO FOUNTAIN BASIN DISCHARGE PIPING

Greenscape

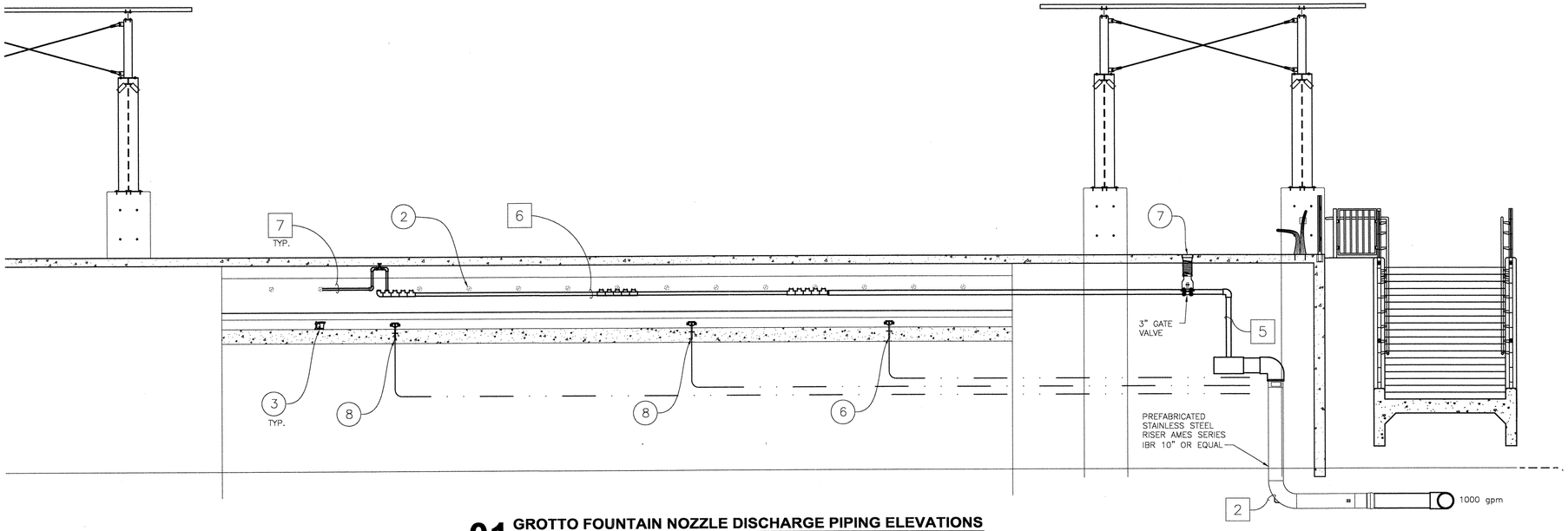
PROJECT	DESIGN	DRAWN	DATE	FILE	SHEET
5029-01	RJB	RJB	APR. 26, 2010	PW# 2009-04	M105

PARK IMPROVEMENTS - VITRUVIAN PARK



02 GROTTO FOUNTAIN NOZZLE DISCHARGE PIPING PLAN VIEW

1/4" = 1' - 0"



01 GROTTO FOUNTAIN NOZZLE DISCHARGE PIPING ELEVATIONS

1/4" = 1' - 0"

GROTTO FEATURE COMPONENT LEGEND

SYM	DETAIL	DESCRIPTION	MODEL NO.	#REQ'D
1	D101-02	3" DISCHARGE PENETRATION	RA/DP-884	10
2	D102-05	GROTTO DISCHARGE NOZZLE	RSN-200-A	15
3	D101-11	FREESTANDING LIGHT FIXTURE	RFL-250-E	15
4	D102-06	TWO CORD SUBMERSIBLE JUNCTION BOX	RJB-2-100-C	1
5	D101-11	WALL MOUNTED LIGHT FIXTURE	RFL-250-E	10
6	D101-12	FOUR CORD SUBMERSIBLE JUNCTION BOX	RJB-4-100-C	3
7	D102-07	ADJUSTABLE VALVE BOX	3960 S	2
8	D102-11	EIGHT CORD SUBMERSIBLE JUNCTION BOX	RJB-8-100-C	2

GROTTO WATER FEATURE PIPING LEGEND

SYM	SIZE	DESCRIPTION	#REQ'D
1	12"	MAIN RECIRCULATION DISCHARGE LINE	1
2	10"	GROTTO BASIN DISCHARGE LINE	1
3	6"	GROTTO BASIN DISCHARGE MANIFOLD	1
4	4"	GROTTO BASIN DISCHARGE LINE TO DIFUSER	10
5	3"	GROTTO NOZZLE DISCHARGE LINE	1
6	2"	GROTTO NOZZLE DISCHARGE MANIFOLD	1
7	1"	GROTTO NOZZLE DISCHARGE LINE TO NOZZLE	15

STATE OF TEXAS
MICHAEL N. PEEPLES
38298
REGISTERED
PROFESSIONAL ENGINEER
4/21/2010

BM #1 REF. ELEVATION = 559.47
SQUARE CUT IN TOP OF CURB, SOUTH MEDIAN END NOSE, MARSH LANE 1127' NORTH OF VITRUVIAN WAY.

BM #2 REF. ELEVATION = 547.84
SQUARE CUT IN TOP OF CURB, NORTH MEDIAN END NOSE, AT INTERSECTION OF VITRUVIAN WAY AND MARSH LANE.

NO.	REVISION	BY	DATE

Addison TOWN OF ADDISON
DALLAS COUNTY, TEXAS

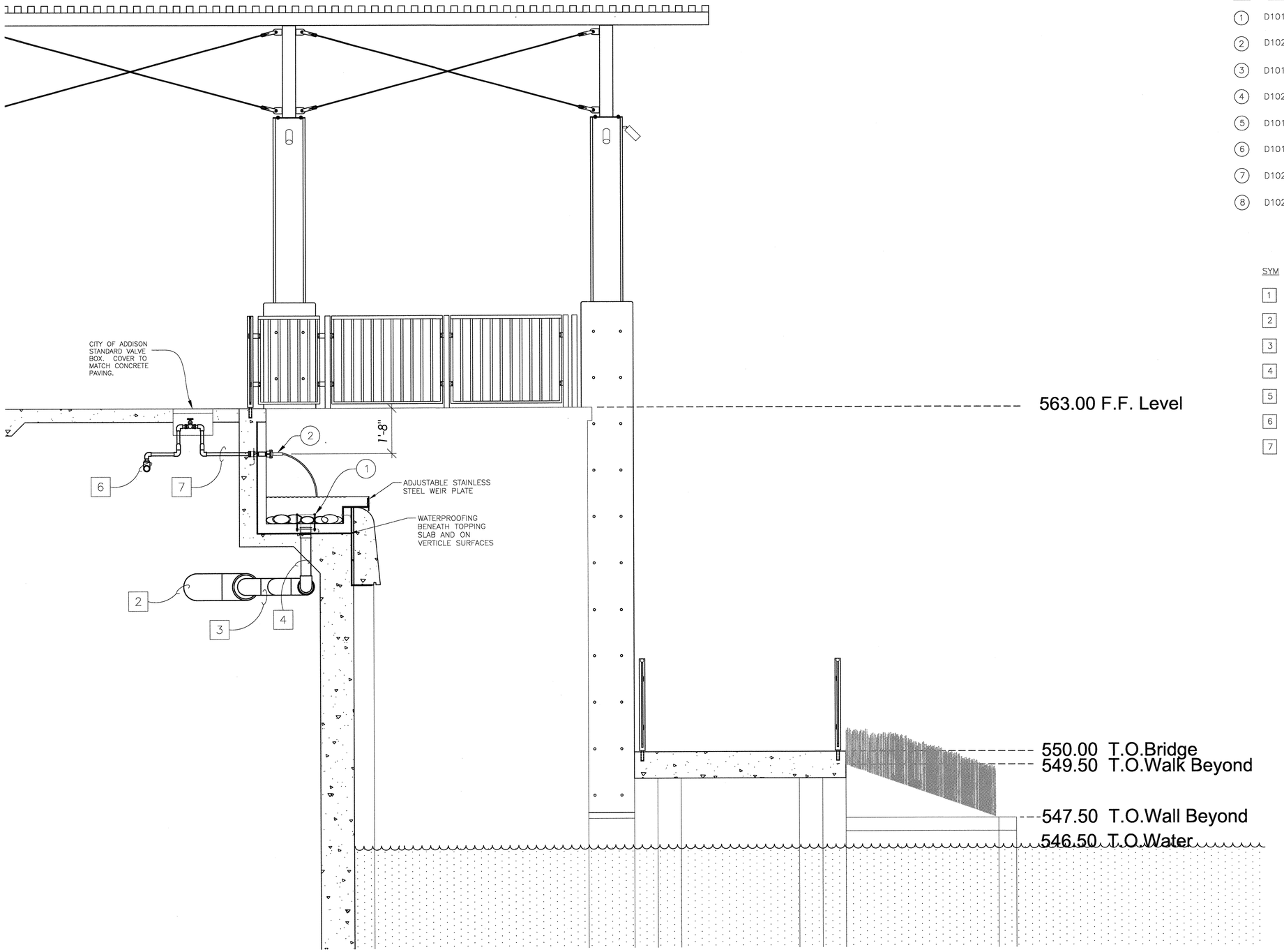
PARK IMPROVEMENTS
VITRUVIAN PARK

GROTTO FOUNTAIN NOZZLE DISCHARGE PIPING

Greenscape
greenscapepcmp.com

PROJECT	DESIGN	DRAWN	DATE	FILE	SHEET
5029-01	RJB	RJB	APR. 26, 2010	PW# 2009-04	M106

PARK IMPROVEMENTS - VITRUVIAN PARK



01 **GROTTO FOUNTAIN SECTION**
1/2" = 1' - 0"

GROTTO FEATURE COMPONENT LEGEND

SYM	DETAIL	DESCRIPTION	MODEL NO.	#REQ'D
1	D101-02	3" DISCHARGE PENETRATION	RA/DP-884	10
2	D102-05	GROTTO DISCHARGE NOZZLE	RSN-200-A	15
3	D101-11	FREESTANDING LIGHT FIXTURE	RFL-250-E	15
4	D102-06	TWO CORD SUBMERSIBLE JUNCTION BOX	RJB-2-100-C	1
5	D101-11	WALL MOUNTED LIGHT FIXTURE	RFL-250-E	10
6	D101-12	FOUR CORD SUBMERSIBLE JUNCTION BOX	RJB-4-100-C	3
7	D102-07	ADJUSTABLE VALVE BOX	3960 S	2
8	D102-11	EIGHT CORD SUBMERSIBLE JUNCTION BOX	RJB-8-100-C	2

GROTTO WATER FEATURE PIPING LEGEND

SYM	SIZE	DESCRIPTION	#REQ'D
1	12"	MAIN RECIRCULATION DISCHARGE LINE	1
2	10"	GROTTO BASIN DISCHARGE LINE	1
3	6"	GROTTO BASIN DISCHARGE MANIFOLD	1
4	4"	GROTTO BASIN DISCHARGE LINE TO DIFUSER	10
5	3"	GROTTO NOZZLE DISCHARGE LINE	1
6	2"	GROTTO NOZZLE DISCHARGE MANIFOLD	1
7	1"	GROTTO NOZZLE DISCHARGE LINE TO NOZZLE	15

WATERPROOFING

WATERPROOF ENTIRE WATER FEATURE TO PROVIDE A LEAKPROOF COATING ON ALL SLABS AND WALLS

COAT WITH CEMENTITOUIS ELASTOMATERIC COATING MATERIAL TO TOP OF WALL (AQUAFIN-2K/M OR EQUAL)

STATE OF TEXAS
MICHAEL N. PEEPLES
38298
REGISTERED PROFESSIONAL ENGINEER
4/26/2010

BM #1 REF. ELEVATION = 559.47
SQUARE CUT IN TOP OF CURB, SOUTH MEDIAN END NOSE, MARSH LANE 1127' NORTH OF VITRUVIAN WAY.

BM #2 REF. ELEVATION = 547.84
SQUARE CUT IN TOP OF CURB, NORTH MEDIAN END NOSE, AT INTERSECTION OF VITRUVIAN WAY AND MARSH LANE.

NO.	REVISION	BY	DATE

TOWN OF ADDISON
DALLAS COUNTY, TEXAS

PARK IMPROVEMENTS
VITRUVIAN PARK

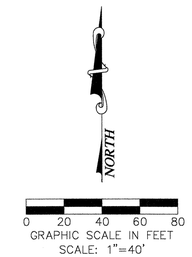
GROTTO FOUNTAIN SECTION

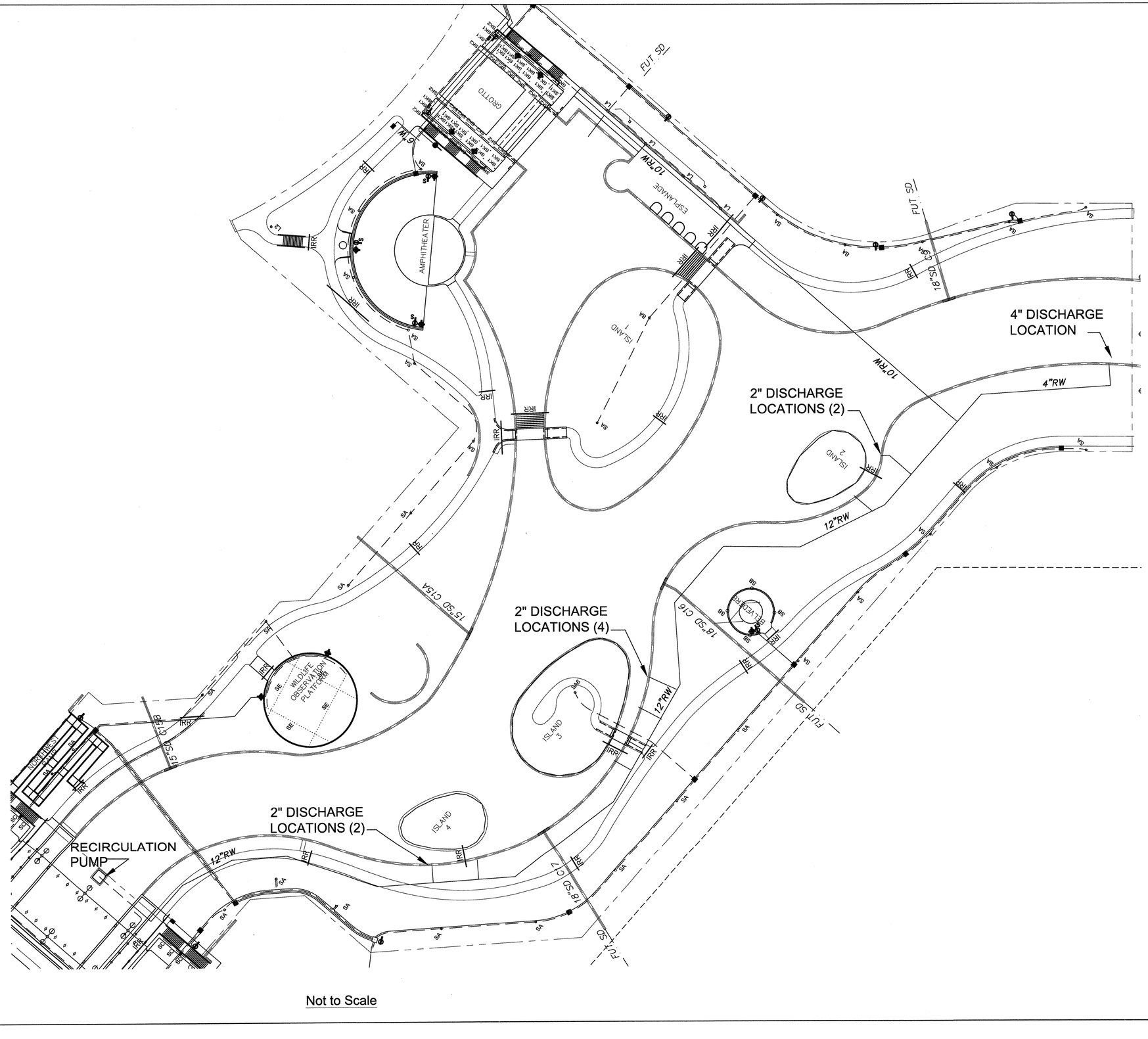
Greenscape
greenscapeamp.com

PROJECT	DESIGN	DRAWN	DATE	FILE	SHEET
5029-01	RJB	RJB	APR. 26, 2010	PW# 2009-04	M107

PARK IMPROVEMENTS - VITRUVIAN PARK

NOTE:
SEE CIVIL DRAWINGS SHEET C401
FOR PIPE LAYOUT AND DETAILS





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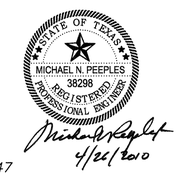

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NO.	REVISION	BY	DATE

TOWN OF ADDISON
DALLAS COUNTY, TEXAS

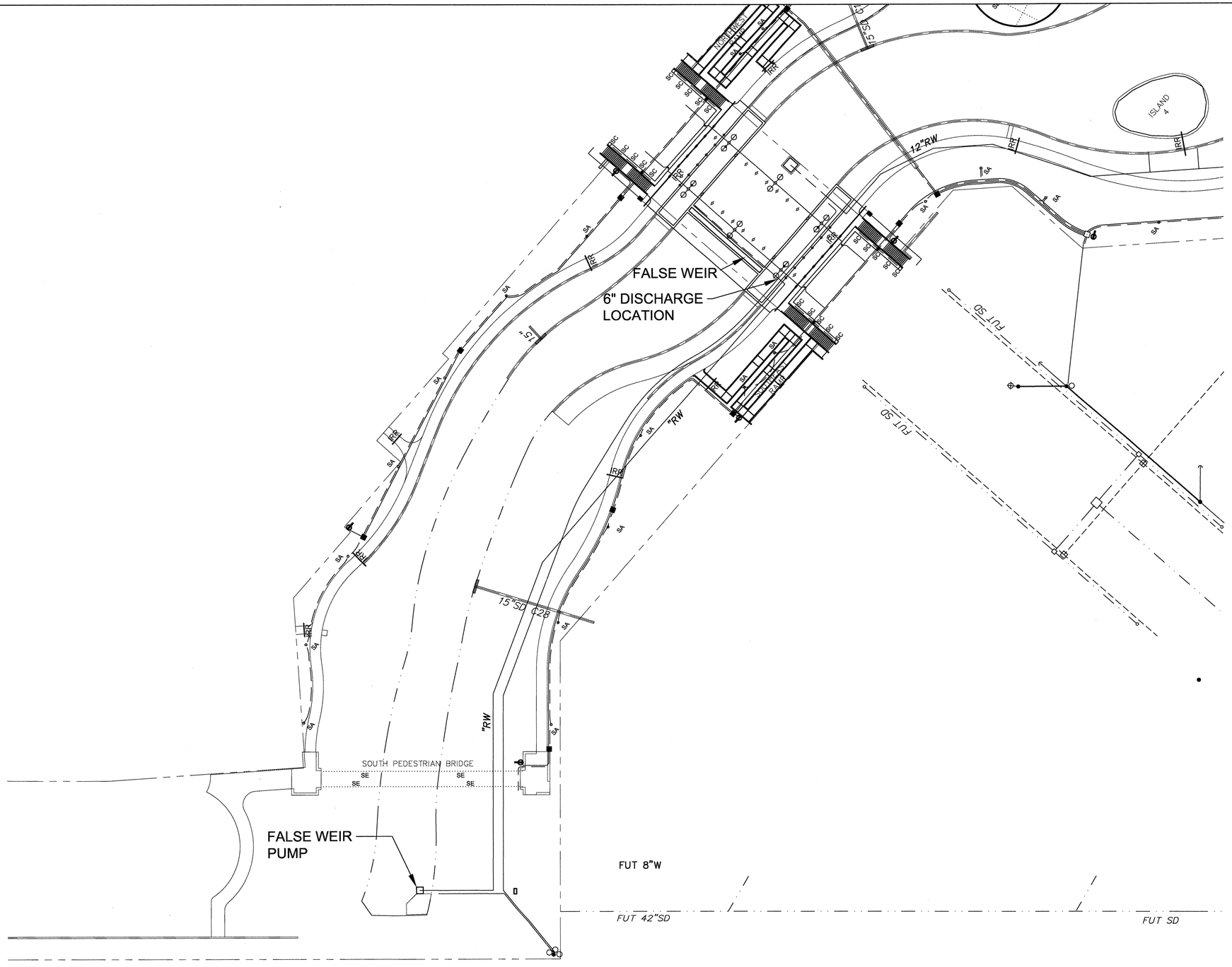
PARK IMPROVEMENTS
VITRUVIAN PARK

RECIRCULATION SYSTEM LAYOUT

Greenscape
greenscapepump.com

PROJECT	DESIGN	DRAWN	DATE	FILE	SHEET
5029-01	RJB	RJB	APR. 26, 2010	PW# 2009-04	M108

PARK IMPROVEMENTS – VITRUVIAN PARK



NOTE:
SEE CIVIL DRAWINGS SHEET C401
FOR PIPE LAYOUT AND DETAILS

NORTH

0 20 40 60 80
GRAPHIC SCALE IN FEET
SCALE: 1"=40'

Not to Scale

STATE OF TEXAS
MICHAEL N. PEEPLES
38298
REGISTERED
PROFESSIONAL ENGINEER
4/26/2010

BM #1 REF. ELEVATION = 559.47
SQUARE CUT IN TOP OF CURB, SOUTH MEDIAN END NOSE, MARSH LANE 112' NORTH OF VITRUVIAN WAY.

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SQUARE CUT IN TOP OF CURB, NORTH MEDIAN END NOSE, AT INTERSECTION OF VITRUVIAN WAY AND MARSH LANE.

NO.	REVISION	BY	DATE

Addison TOWN OF ADDISON
DALLAS COUNTY, TEXAS

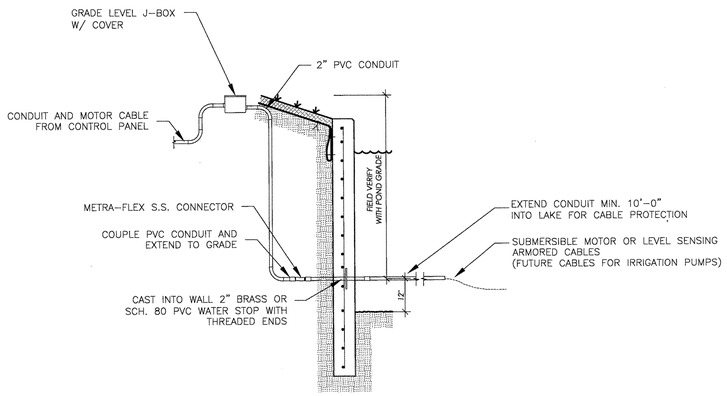
PARK IMPROVEMENTS
VITRUVIAN PARK

LOWER RECIRCULATION SYSTEM LAYOUT

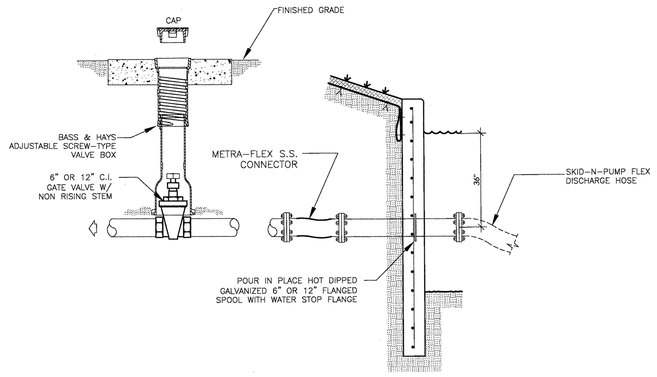
Greenscape greenscapepump.com

PROJECT	DESIGN	DRAWN	DATE	FILE	SHEET
5029-01	RJB	RJB	APR. 26, 2010	PW # 2009-04	M109

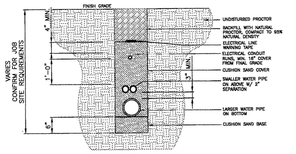
PARK IMPROVEMENTS – VITRUVIAN PARK



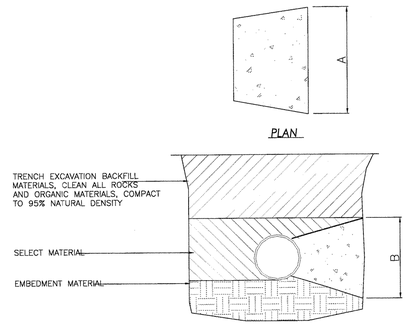
01 ELECTRICAL CONDUIT PENETRATION
Not to Scale



02 6" AND 12" PIPE PENETRATION
Not to Scale



06 PIPE TRENCH INSTALLATION
Not to Scale



NOTE: A AND B AS REQUIRED BY BLOCKING TABLE

SECTION

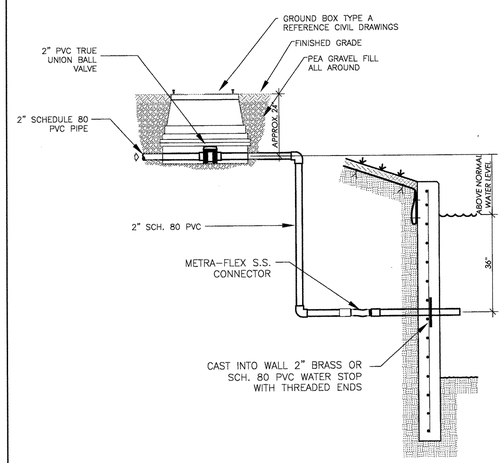
TYPICAL BLOCKING DETAIL

BLOCKING NOTES

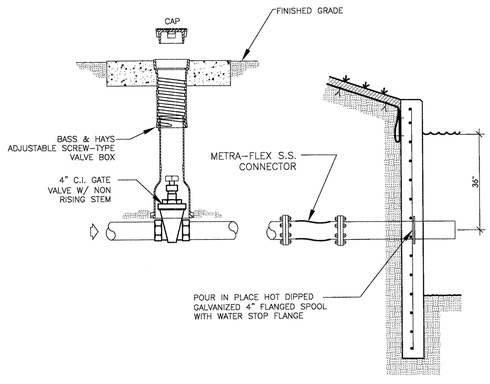
1. THE EARTH BEARING SURFACE SHALL BE UNDISTURBED "IN SITU" MATERIAL. KEEP ALL JOINTS FREE FROM CONCRETE. THRUST BLOCK TO BE CONSTRUCTED FROM 2,000 PSI CONCRETE AND PLACED AS SHOWN IN TYPICAL THRUST BLOCK DETAIL.
2. A SAFETY FACTOR OF 1.5 HAS BEEN APPLIED TO EACH THRUST DIMENSION TO PROTECT AGAINST SURCHARGE AND PIKES IN PRESSURE.
3. DEPTH FROM GROUND SURFACE TO TOP OF BLOCKING SHALL BE GREATER THAN HEIGHT OF BLOCKING.
4. ALL METALLIC OBJECTS SHALL BE WRAPPED WITH POLYWRAP BEFORE CONCRETE IS PLACED TO PREVENT CORROSION OR BONDING OF THE CONCRETE TO THE METALLIC PART.
5. WIDTH OF THE THRUST BLOCK SHOULD BE AT LEAST TWO TIMES THE HEIGHT OF THE THRUST BLOCK.

THRUST BLOCKING TABLE

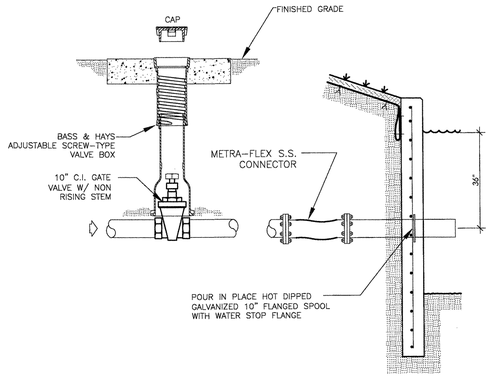
THRUST BLOCK SPECIFICATIONS AND DIMENSIONS TYPICAL SOFT CLAY													
FITTING	AREA (IN^2)	TEES AND PLUGS	THRUST FORCE (LB)	AREA OF THRUST BLOCK	90° BENDS (FT)	THRUST FORCE (LB)	AREA OF THRUST BLOCK	45° BENDS AND "Y"S (FT)	THRUST FORCE (LB)	AREA OF THRUST	22.5° BENDS (FT)	THRUST FORCE (LB)	AREA OF THRUST BLOCK
(IN)		A(FT) B(FT)			A(FT) B(FT)			A(FT) B(FT)			A(FT) B(FT)		
4	12.6	1.9 1.0	628.3	1.9	0.3 1.2	888.6	2.7	1.7 0.8	480.9	1.4	1.2 0.5	243.2	0.7
6	28.3	2.9 1.5	1413.7	4.2	3.5 1.7	1999.3	6.0	2.3 1.3	1082.0	3.2	1.8 0.9	537.5	1.7
8	50.3	3.9 1.9	2513.3	7.5	4.6 2.3	3554.3	10.7	3.4 1.7	1923.6	5.8	2.4 1.2	955.6	2.9
10	78.5	4.9 2.4	3927.0	11.8	5.8 2.9	5553.6	16.7	4.2 2.1	3005.6	9.0	3.0 1.5	1532.2	4.6
12	113.1	5.8 2.9	5654.9	17.0	6.9 3.5	7997.2	24.0	5.1 2.5	4328.0	13.0	3.6 1.8	2205.4	6.6
14	153.9	7.7 3.0	7698.9	23.1	7.7 3.9	10885.1	32.7	5.9 3.0	5891.0	17.7	4.2 2.1	3003.2	9.0
16	201.1	7.5 CY	10053.1	30.2	8.6 CY	14217.2	42.7	7.7 3.9	7694.3	23.1	4.9 2.4	3922.5	11.8
18	254.5	9.5 CY	12723.5	38.2	9.5 CY	17990.7	54.0	8.4 CY	9738.1	29.2	5.5 2.7	4964.4	14.9
20	314.2	11.7 CY	15708.0	47.1	10.6 CY	22214.4	66.6	9.3 CY	12029.4	36.1	6.1 3.0	6128.9	18.4
24	452.4	16.7 CY	22619.5	67.9	12.7 CY	31988.8	96.0	11.1 CY	17312.2	51.9	7.3 CY	8825.7	26.5



03 2" PIPE PENETRATION
Not to Scale



04 4" PIPE PENETRATION
Not to Scale



05 10" PIPE PENETRATION
Not to Scale

STATE OF TEXAS
MICHAEL N. PEEPLES
38298
REGISTERED PROFESSIONAL ENGINEER
4/26/2010

BM #1 REF. ELEVATION = 559.47
SQUARE CUT IN TOP OF CURB, SOUTH MEDIAN END NOSE, MARSH LANE 1127' NORTH OF VITRUVIAN WAY.

BM #2 REF. ELEVATION = 547.84
SQUARE CUT IN TOP OF CURB, NORTH MEDIAN END NOSE, AT INTERSECTION OF VITRUVIAN WAY AND MARSH LANE.

NO.	REVISION	BY	DATE

Addison! TOWN OF ADDISON
DALLAS COUNTY, TEXAS

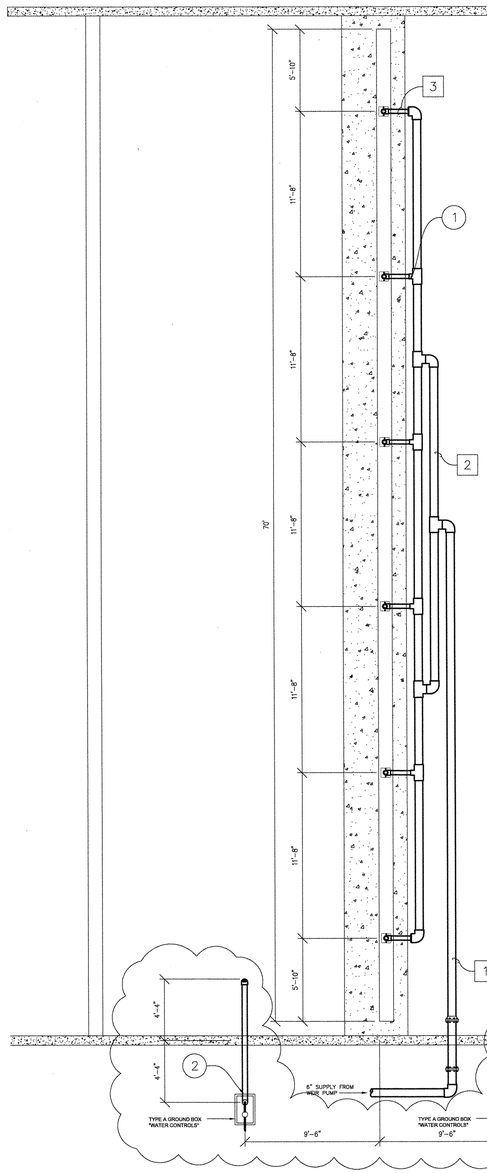
PARK IMPROVEMENTS
VITRUVIAN PARK

RECIRCULATION AND FALSE WEIR FEATURES WALL PENETRATIONS

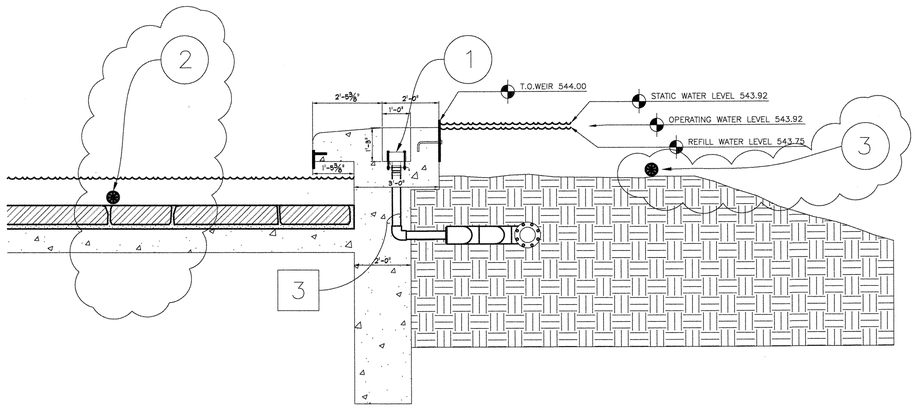
Greenscape
greenscapeamp.com

PROJECT	DESIGN	DRAWN	DATE	FILE	SHEET
5029-01	RJB	RJB	APR. 26, 2010	PW# 2009-04	M110

PARK IMPROVEMENTS - VITRUVIAN PARK



01 **BRIDGE WEIR SECTION**
3/16 " = 1'-0"



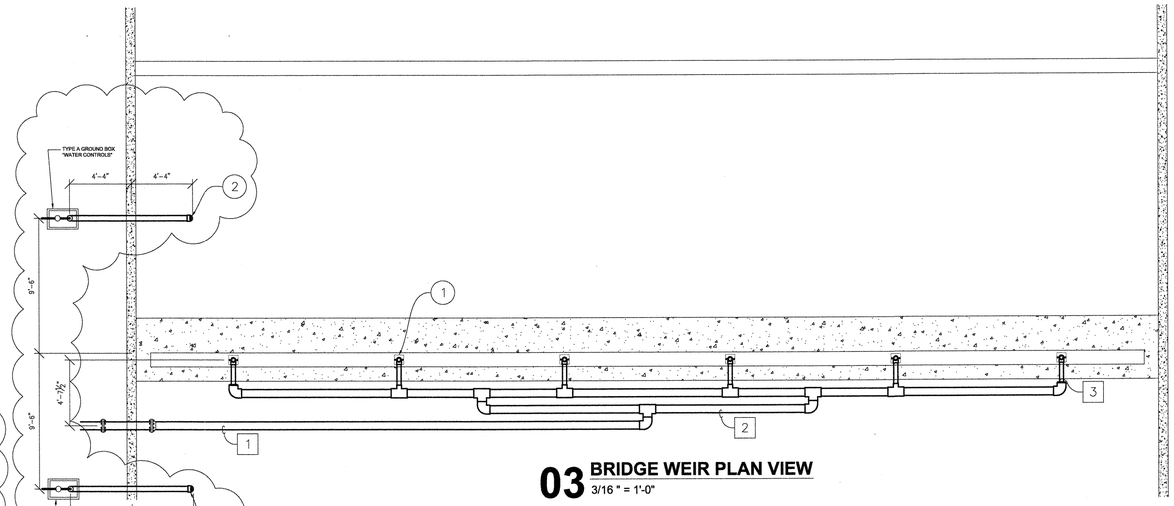
04 **BRIDGE WEIR WATER LEVELS**
3/8" = 1'-0"

FALSE WEIR WATER FEATURE COMPONENT LEGEND

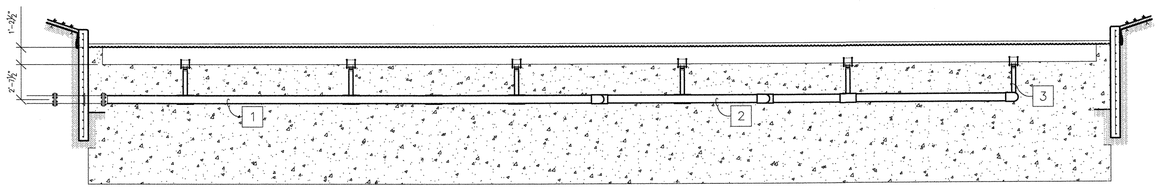
SYM	DETAIL	DESCRIPTION	MODEL NO.	#REQ'D
1	D101-02	3" SUCTION/ DISCHARGE PENETRATION	RA/DP-884	6
2	M112-02	WATER LEVEL CONTROL LOWER LEVEL		1
3	M112-01	WATER LEVEL CONTROL UPPER LEVEL		1

FALSE WEIR WATER FEATURE PIPING LEGEND

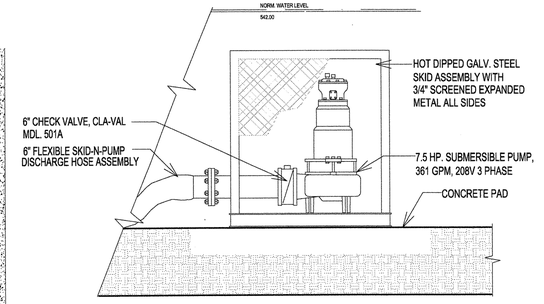
SYM	SIZE	DESCRIPTION	#REQ'D
1	6"	FALSE WEIR DISCHARGE LINE	1
2	6"	FALSE WEIR DISCHARGE MANIFOLD	1
3	3"	FALSE WEIR DISCHARGE LINE	6



03 **BRIDGE WEIR PLAN VIEW**
3/16 " = 1'-0"



02 **BRIDGE WEIR NORTH ELEVATION**
3/16 " = 1'-0"



05 **LOWER RECIRCULATION SUBMERSIBLE PUMP**
Not to Scale

STATE OF TEXAS
RICHARD JAMES BATINA
67685
LICENSED
PROFESSIONAL ENGINEER

Richard J. Batina, P.E.
8/16/10

NO.	REVISION	BY	DATE
1	WATER LEVEL CONTROLS	BJW	8/12/2010

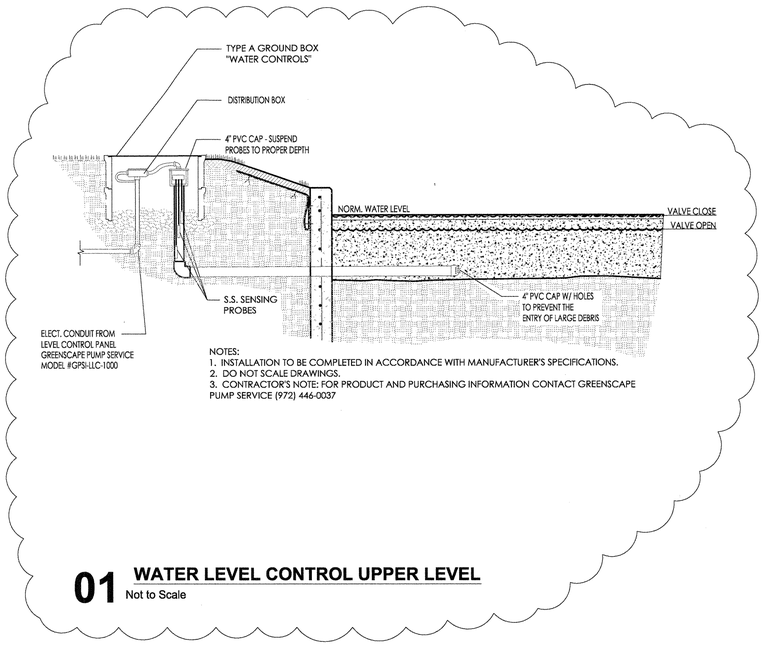
TOWN OF ADDISON
DALLAS COUNTY, TEXAS

PARK IMPROVEMENTS
VITRUVIAN PARK

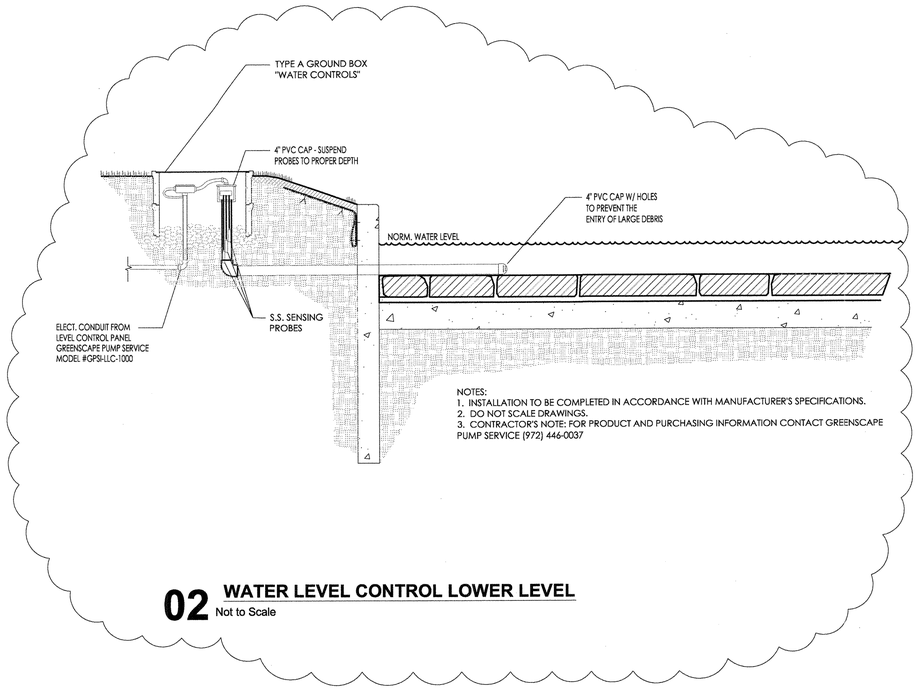
FALSE WEIR DISCHARGE PIPING

Greenscape
greenscapepump.com

PROJECT	DESIGN	DRAWN	DATE	FILE	SHEET
5029-01	RJB	RJB	APR. 26, 2010	PW# 2009-04	M111



01 **WATER LEVEL CONTROL UPPER LEVEL**
Not to Scale



02 **WATER LEVEL CONTROL LOWER LEVEL**
Not to Scale

Richard J. Barina P.E.
8/16/10

NO.	REVISION	BY	DATE
1	SHEET ADDED, WATER LEVEL CONTROLS	BJW	8/12/2010

TOWN OF ADDISON
DALLAS COUNTY, TEXAS

PARK IMPROVEMENTS
VITRUVIAN PARK

RECIRCULATION AND FALSE WEIR FEATURES WATER LEVEL CONTROL DETAILS

Greenscape
greenscapepump.com

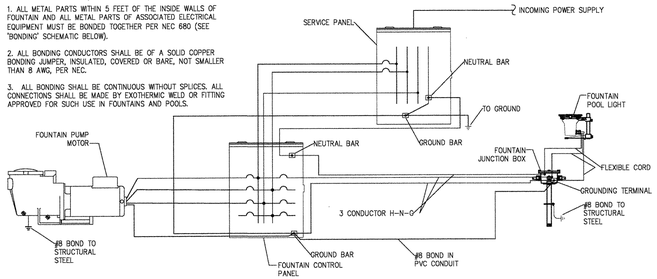
PROJECT	DESIGN	DRAWN	DATE	FILE	SHEET
5029-01	RJB	RJB	APR. 26, 2010	PW# 2009-04	M112

PARK IMPROVEMENTS - VITRUVIAN PARK

1. ALL METAL PARTS WITHIN 5 FEET OF THE INSIDE WALLS OF FOUNTAIN AND ALL METAL PARTS OF ASSOCIATED ELECTRICAL EQUIPMENT MUST BE BONDED TOGETHER PER NEC 680 (SEE "BONDING" SCHEMATIC BELOW).

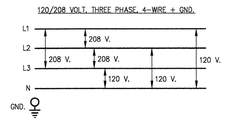
2. ALL BONDING CONDUCTORS SHALL BE OF A SOLID COPPER BONDING JUMPER, INSULATED, COVERED OR BARE, NOT SMALLER THAN 8 AWG, PER NEC.

3. ALL BONDING SHALL BE CONTINUOUS WITHOUT SPLICES. ALL CONNECTIONS SHALL BE MADE BY EXOTHERMIC WELD OR FITTING APPROVED FOR SUCH USE IN FOUNTAINS AND POOLS.



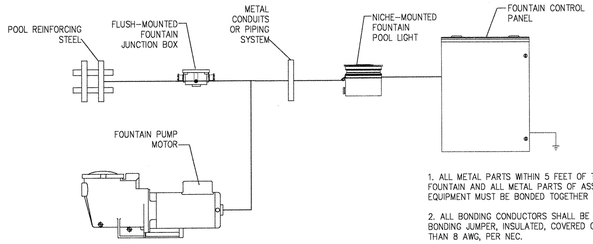
TYPICAL FOUNTAIN "GROUNDING" SCHEMATIC

SCALE: NONE



ELECTRICAL POWER SUPPLY

SCALE: NONE



1. ALL METAL PARTS WITHIN 5 FEET OF THE INSIDE WALLS OF FOUNTAIN AND ALL METAL PARTS OF ASSOCIATED ELECTRICAL EQUIPMENT MUST BE BONDED TOGETHER PER NEC 680.

2. ALL BONDING CONDUCTORS SHALL BE OF A SOLID COPPER BONDING JUMPER, INSULATED, COVERED OR BARE, NOT SMALLER THAN 8 AWG, PER NEC.

3. ALL BONDING SHALL BE CONTINUOUS WITHOUT SPLICES. ALL CONNECTIONS SHALL BE MADE BY EXOTHERMIC WELD OR FITTING APPROVED FOR SUCH USE IN FOUNTAINS AND POOLS.

TYPICAL FOUNTAIN "BONDING" SCHEMATIC

SCALE: NONE

EXCERPT FROM 2008 EDITION OF NEC ARTICLE 680 PERTAINING TO DECORATIVE FOUNTAINS

V. Fountains

680.50 General. The provisions of Part I and Part V of Article 680 shall apply to all permanently installed fountains as defined in 680.2. Fountains that have water common to a swimming or wading pool shall additionally comply with the requirements in Part II of Article 680. Part V does not cover self-contained, portable fountains. Portable fountains shall comply with Parts II and III of Article 422.

680.51 Luminaries (Lighting Fixtures), Submersible Pumps, and Other Submersible Equipment.
(A) Ground-Fault Circuit Interrupter. Fountain equipment, unless listed for operation at 15 volts or less and supplied by a transformer that complies with 680.23(A)(2), shall be protected by a ground-fault circuit interrupter.
(B) Operating Voltage. No luminaries (lighting fixtures) shall be installed for operation on supply circuits over 150 volts between conductors. Submersible pumps and other submersible equipment shall operate at 300 volts or less between conductors.
(C) Luminaire (Lighting Fixture) Lenses. Luminaries (lighting fixtures) shall be installed with the top of the luminarie (fixture) lens below the normal water level of the fountain unless listed for above-water locations. A luminarie (lighting fixture) facing upward shall have the lens adequately guarded to prevent contact by any person.
(D) Overheating Protection. Electrical equipment that depends on submersion for safe operation shall be protected against overheating by a low-water cutoff or other approved means when not submerged.
(E) Wiring. Equipment shall be equipped with provisions for threaded conduit entries or be provided with a suitable flexible cord. The maximum length of each exposed cord in the fountain shall be limited to 3.0 m (10 ft). Cords extending beyond the fountain perimeter shall be enclosed in approved wiring enclosures. Metal parts of equipment in contact with water shall be of brass or other approved corrosion-resistant metal.
(F) Servicing. All equipment shall be removable from the water for relamping or normal maintenance. Luminaries (fixtures) shall not be permanently embedded into the fountain structure such that the water level must be reduced or the fountain drained for relamping, maintenance, or inspection.
(G) Stability. Equipment shall be inherently stable or be securely fastened in place.

680.52 Junction Boxes and Other Enclosures.
(A) General. Junction boxes and other enclosures used for other than underwater installation shall comply with 680.24.
(B) Underwater Junction Boxes and Other Underwater Enclosures. Junction boxes and other underwater enclosures shall meet the requirements of 680.52(B)(1) and (B)(2).
(1) Construction.
(a) Underwater enclosures shall be equipped with provisions for threaded conduit entries or compression glands or seals for cord entry.
(b) Underwater enclosures shall be submersible, and made of copper, brass, or other approved corrosion resistant material.
(2) Installation. Underwater enclosure installations shall comply with (a) and (b).
(a) Underwater enclosures shall be filled with an approved potting compound to prevent the entry of moisture.
(b) Underwater enclosures shall be firmly attached to the supports or directly to the fountain surface and bonded as required. Where the junction box is supported only by the conduit, the conduit shall be of copper, brass, or other approved corrosion-resistant metal. Where the box is fed by nonmetallic conduit, it shall have additional supports and fasteners of copper, brass, or other approved corrosion resistant material.
FPN: See 314.23 for support of enclosures.

V. Fountains (Cont.)

680.53 Bonding. All metal piping systems associated with the fountain shall be bonded to the equipment grounding conductor of the branch circuit supplying the fountain.
FPN: See 250.122 for sizing of these conductors.

680.54 Grounding. The following equipment shall be grounded:
(1) All electrical equipment located within the fountain or within 1.5 m (5 ft) of the inside wall of the fountain
(2) All electrical equipment associated with the Recirculating system of the fountain
(3) Pump boards that are not part of the service equipment and that supply any electrical equipment associated with the fountain.

680.55 Methods of Grounding.
(A) Applied Provisions. The provisions of 680.21(A), 680.23(B)(3), 680.23(F)(1) and (2), 680.24(F), and 680.25 shall apply.
(B) Supplied by a Flexible Cord. Electrical equipment that is supplied by a flexible cord shall have all exposed non-current-carrying metal parts grounded by an insulated copper equipment-grounding conductor that is an integral part of this cord. The grounding conductor shall be connected to a grounding terminal in the supply junction box, transformer enclosure, or other enclosure.

680.56 Cord-and-Plug-Connected Equipment.
(A) Ground-Fault Circuit Interrupter. All electrical equipment, including power-supply cords, shall be protected by ground-fault circuit interrupters.
(B) Cord Type. Flexible cord immersed in or exposed to water shall be of a type for extra-hard usage, as designated in Table 400.4 and shall be a listed type with a "W" suffix.
(C) Sealing. The end of the flexible cord jacket and the flexible cord conductor termination within equipment shall be covered with, or encapsulated in, a suitable potting compound to prevent the entry of water into the equipment through the cord or its conductors. In addition, the ground connection within equipment shall be similarly treated to protect such connections from the deteriorating effect of water that may enter into the equipment.
(D) Terminations. Connections with flexible cord shall be permanent, except that grounding-type attachment plugs and receptacles shall be permitted to facilitate removal or disconnection for maintenance, repair, or storage of fixed or stationary equipment not located in any water-containing part of a fountain.

NOTE: For a complete copy of 2005 edition of NEC Article 680 (680.1 through 680.74) please contact NFPA, 1 Batterymarch Park, PO Box 9101, Quincy, MA 02269

Scale: NONE

STATE OF TEXAS
MICHAEL N. PEEPLES
38298
REGISTERED
PROFESSIONAL ENGINEER
4/22/2010

BM #1 REF. ELEVATION = 559.47
SQUARE CUT IN TOP OF CURB, SOUTH MEDIAN END NOSE, MARSH LANE

1127' NORTH OF VITRUVIAN WAY.
BM #2 REF. ELEVATION = 547.84
SQUARE CUT IN TOP OF CURB, NORTH MEDIAN END NOSE, AT INTERSECTION OF

VITRUVIAN WAY AND MARSH LANE.

NO.	REVISION	BY	DATE

Addison

TOWN OF ADDISON
DALLAS COUNTY, TEXAS

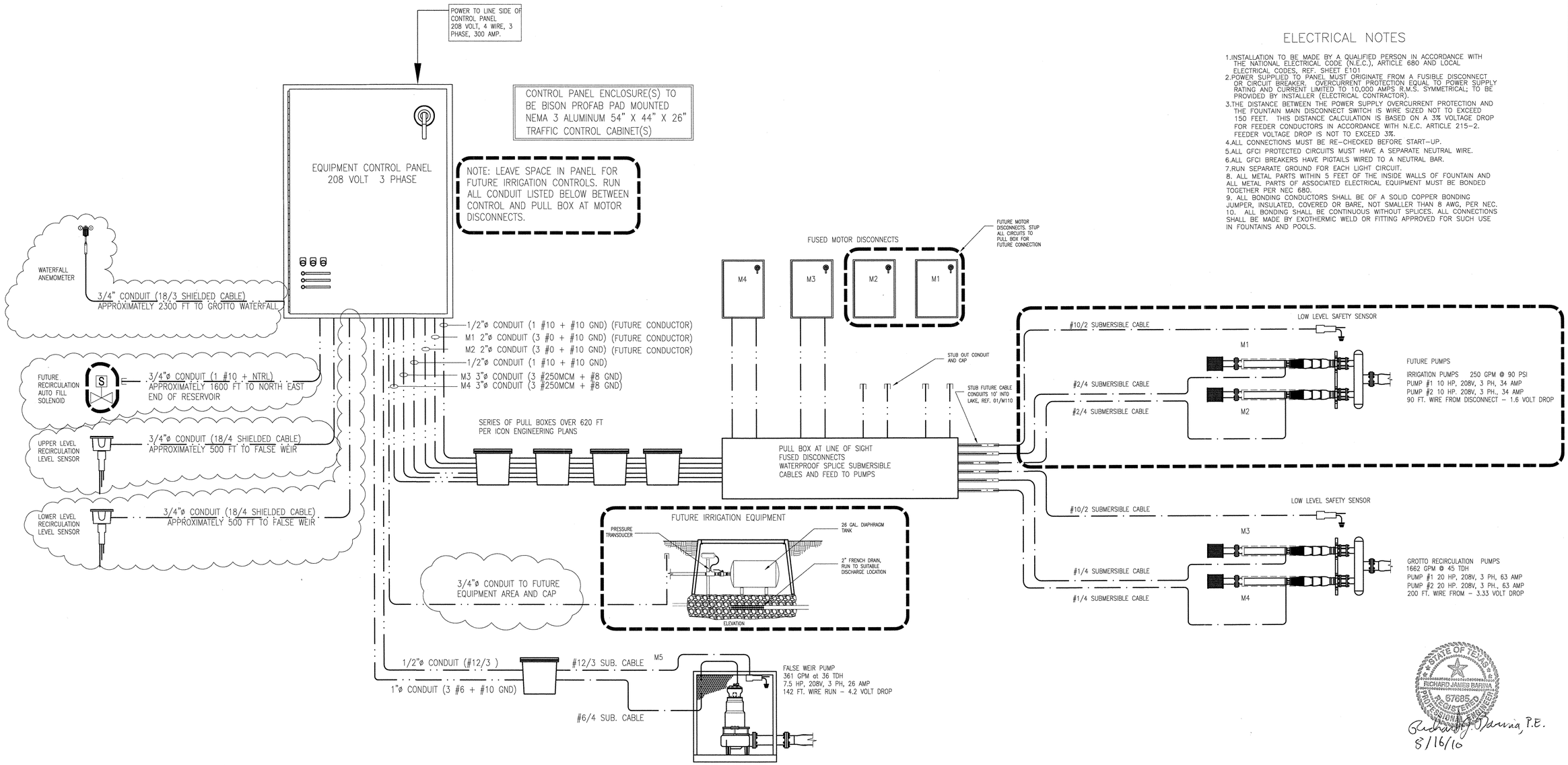
PARK IMPROVEMENTS
VITRUVIAN PARK

ELECTRICAL NOTES

Greenscape
greenscapepumps.com©

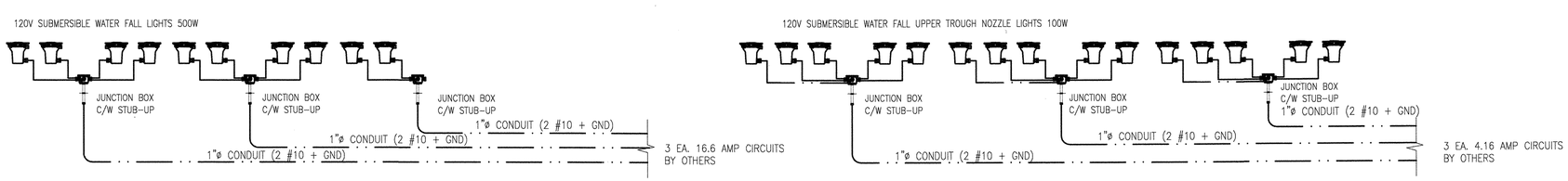
PROJECT	DESIGN	DRAWN	DATE	FILE	SHEET
5029-01	RJB	GDR	APR. 26, 2010	PW# 2009-04	E101

PARK IMPROVEMENTS - VITRUVIAN PARK



01 IRRIGATION AND RECIRCULATION ELECTRICAL RISER

Not to Scale



02 GROTTO FOUNTAIN ELECTRICAL RISER

Not to Scale

Scale: NONE

ELECTRICAL NOTES

1. INSTALLATION TO BE MADE BY A QUALIFIED PERSON IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE (N.E.C.), ARTICLE 680 AND LOCAL ELECTRICAL CODES, REF. SHEET E101
2. POWER SUPPLIED TO PANEL MUST ORIGINATE FROM A FUSIBLE DISCONNECT OR CIRCUIT BREAKER. OVERCURRENT PROTECTION EQUAL TO POWER SUPPLY RATING AND CURRENT LIMITED TO 10,000 AMPS R.M.S. SYMMETRICAL; TO BE PROVIDED BY INSTALLER (ELECTRICAL CONTRACTOR).
3. THE DISTANCE BETWEEN THE POWER SUPPLY OVERCURRENT PROTECTION AND THE FOUNTAIN MAIN DISCONNECT SWITCH IS WIRE SIZED NOT TO EXCEED 150 FEET. THIS DISTANCE CALCULATION IS BASED ON A 3% VOLTAGE DROP FOR FEEDER CONDUCTORS IN ACCORDANCE WITH N.E.C. ARTICLE 215-2. FEEDER VOLTAGE DROP IS NOT TO EXCEED 3%.
4. ALL CONNECTIONS MUST BE RE-CHECKED BEFORE START-UP.
5. ALL GFCI PROTECTED CIRCUITS MUST HAVE A SEPARATE NEUTRAL WIRE.
6. ALL GFCI BREAKERS HAVE PIGTAILS WIRED TO A NEUTRAL BAR.
7. RUN SEPARATE GROUND FOR EACH LIGHT CIRCUIT.
8. ALL METAL PARTS WITHIN 5 FEET OF THE INSIDE WALLS OF FOUNTAIN AND ALL METAL PARTS OF ASSOCIATED ELECTRICAL EQUIPMENT MUST BE BONDED TOGETHER PER NEC 680.
9. ALL BONDING CONDUCTORS SHALL BE OF A SOLID COPPER BONDING JUMPER, INSULATED, COVERED OR BARE, NOT SMALLER THAN 8 AWG, PER NEC.
10. ALL BONDING SHALL BE CONTINUOUS WITHOUT SPLICES. ALL CONNECTIONS SHALL BE MADE BY EXOTHERMIC WELD OR FITTING APPROVED FOR SUCH USE IN FOUNTAINS AND POOLS.

Richard J. Barina, P.E.
8/16/10

NO.	REVISION	BY	DATE
1	WATER LEVEL CONTROL AND WATERFALL ANEMOMETER CONDUIT	BJW	8/12/2010

TOWN OF ADDISON
DALLAS COUNTY, TEXAS

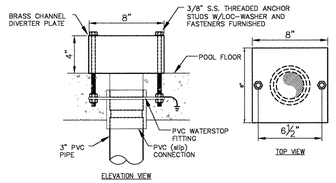
PARK IMPROVEMENTS
VITRUVIAN PARK

GROTTO RECIRCULATION AND FUTURE IRRIGATION ELECTRICAL RISER

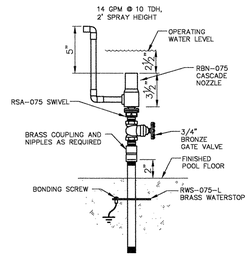
Greenscape
greenscapepumps.com

PROJECT	DESIGN	DRAWN	DATE	FILE	SHEET
5029-01	RJB	GDR	APR. 26, 2010	PW# 2009-04	E102

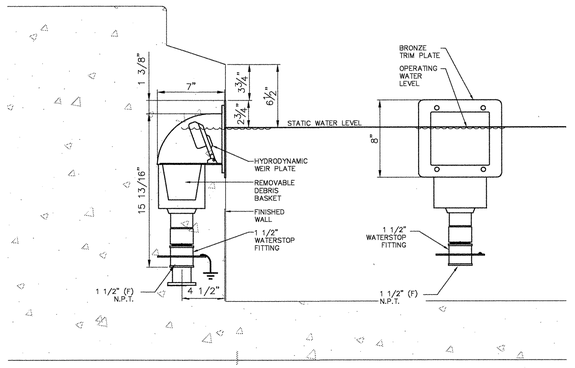
PARK IMPROVEMENTS - VITRUVIAN PARK



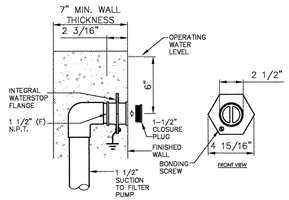
02 3" SUCTION / DISCHARGE PENETRATION WITH WATERSTOP
Not to Scale



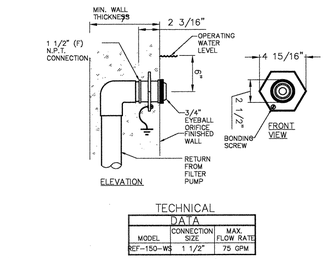
03 3/4" BUBBLER NOZZLE
Not to Scale



04 FRONT ACCESS SKIMMER
Not to Scale

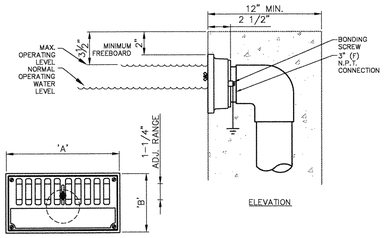


05 VACUUM FITTING
Not to Scale



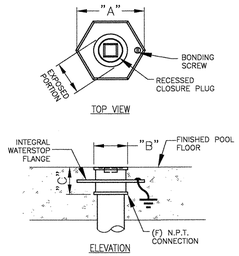
TECHNICAL DATA		
MODEL	CONNECTION SIZE	MAX. FLOW RATE
EF-150-WS	1 1/2"	75 GPM

06 EYEBALL INLET FITTING
Not to Scale



TECHNICAL DATA					
MODEL	CONNECTION SIZE	DIMENSION "A"	DIMENSION "B"	MAX. ADJUSTMENT	MAX. FLOW RATE
RDVS-300-A	3"	12"	6 1/4"	1 5/8"	75 GPM

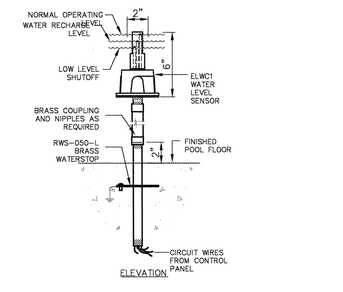
07 SIDEWALL OVERFLOW DRAIN
Not to Scale



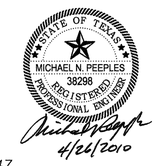
TECHNICAL DATA					
MODEL	CONNECTION SIZE	DIMENSION "A"	DIMENSION "B"	DIMENSION "C"	SLAB THICKNESS
RFD-200	2"	5 5/8"	3"	2 5/16"	6" MIN.

NOTE: A "P"-TRAP MAY BE REQUIRED PER CODE

08 FLOOR DRAIN FITTING
Not to Scale

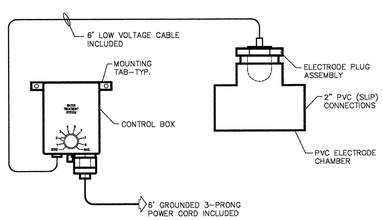


09 WATER LEVEL CONTROL SENSOR
Not to Scale



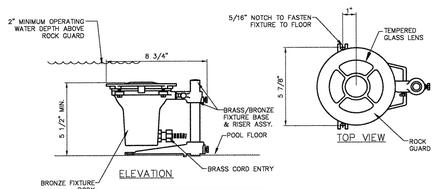
BM #1 REF. ELEVATION = 559.47
SQUARE CUT IN TOP OF CURB, SOUTH MEDIAN END NOSE, MARSH LANE 1127' NORTH OF VITRUVIAN WAY.

BM #2 REF. ELEVATION = 547.84
SQUARE CUT IN TOP OF CURB, NORTH MEDIAN END NOSE, AT INTERSECTION OF VITRUVIAN WAY AND MARSH LANE.



TECHNICAL DATA				
MODEL No.	POWER REQ.	ENCLOSURE SIZE	OUTPUT	MAX. POOL SIZE IN GALLONS
RCUAG-25	120-240 VAC-1 PH.	3.6Wx4.7Hx2.3D	0-0.42 amps @ 0-18 VDC	25,000

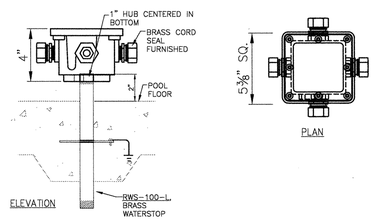
10 'COPPER SILVER' IONIZER
Not to Scale



TECHNICAL DATA						
MODEL	WATTAGE	VOLTAGE	AVAILABLE REFLECTORS	LAMP TYPE	APPROXIMATE INITIAL LUMENS	APPROXIMATE LAMP LIFE
RFL-250-E	250 W.	120 V.	(SP/WD/FL)	250 Q/CL	4800	2000 HOURS

NOTES: *1. A submersible junction box and potting compound will be required for installation.*
2. All fixtures are thermally protected with an internal cutoff device.

11 FREESTANDING LIGHT FIXTURE
Not to Scale



12 FOUR CORD SUBMERSIBLE JUNCTION BOX
Not to Scale

NO.	REVISION	BY	DATE

TOWN OF ADDISON
DALLAS COUNTY, TEXAS

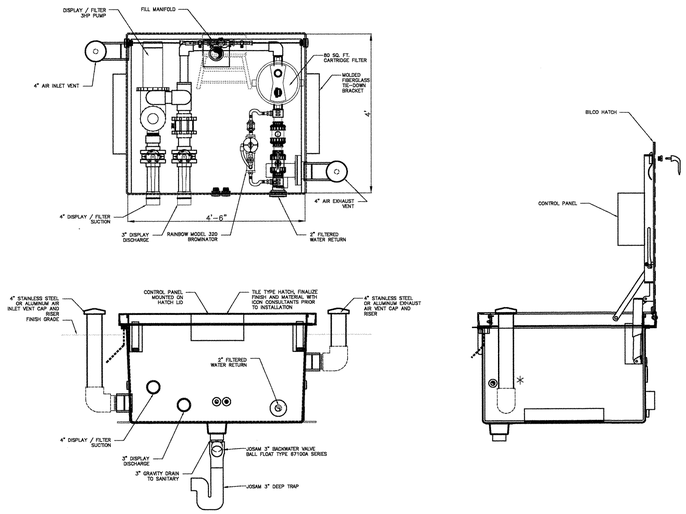
PARK IMPROVEMENTS
VITRUVIAN PARK

COMPONENT DETAILS SHEET 1

Greenscape
greenscapecorp.com

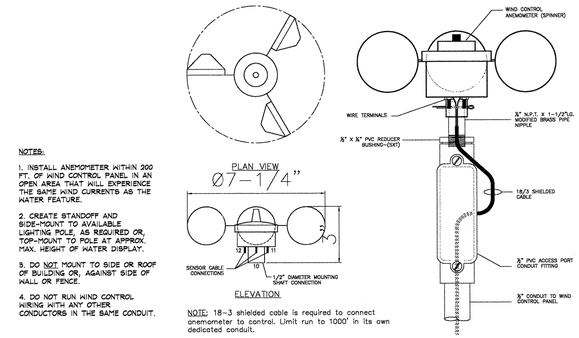
PROJECT	DESIGN	DRAWN	DATE	FILE	SHEET
5029-01	RJB	RJB	APR. 26, 2010	PW# 2009-04	D101

PARK IMPROVEMENTS - VITRUVIAN PARK

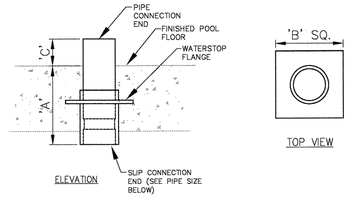


01 SIDEWALK FOUNTAIN EQUIPMENT VAULT
Not to Scale

02 NOT USED THIS ISSUE
Not to Scale

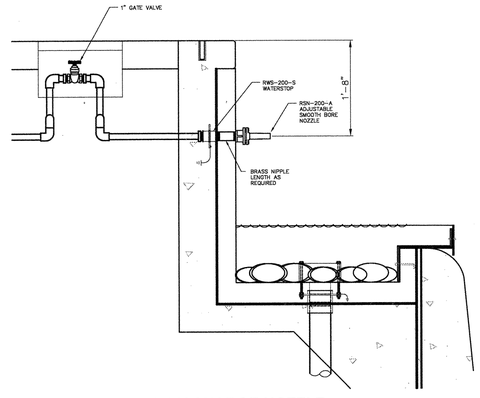


03 ANEMOMETER
Not to Scale

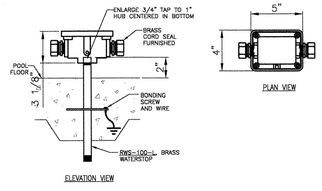


TECHNICAL DATA				
MODEL No.	PIPE SIZE	DIMENSION 'A'	DIMENSION 'B'	DIMENSION 'C'
RWS-300-P	3"	6-5/8"	9"	3"

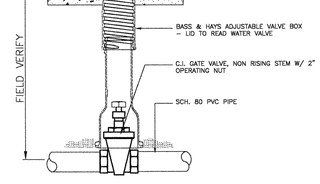
04 3" DISCHARGE WATERSTOP PENETRATION
Not to Scale



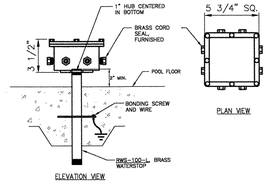
05 GROTTO DISCHARGE NOZZLE
Not to Scale



06 TWO CORD SUBMERSIBLE JUNCTION BOX
Not to Scale



07 ADJUSTABLE VALVE BOX
Not to Scale



11 8 CORD SUBMERSIBLE JUNCTION BOX
Not to Scale

08 NOT USED THIS ISSUE
Not to Scale

09 NOT USED THIS ISSUE
Not to Scale

10 NOT USED THIS ISSUE
Not to Scale

STATE OF TEXAS
MICHAEL N. PEEPLES
38298
REGISTERED
PROFESSIONAL ENGINEER
4/26/2010

BM #1 REF. ELEVATION = 559.47
SQUARE CUT IN TOP OF CURB, SOUTH MEDIAN END NOSE, MARSH LANE 1127' NORTH OF VITRUVIAN WAY.

BM #2 REF. ELEVATION = 547.84
SQUARE CUT IN TOP OF CURB, NORTH MEDIAN END NOSE, AT INTERSECTION OF VITRUVIAN WAY AND MARSH LANE.

NO.	REVISION	BY	DATE

Addison *TOWN OF ADDISON*
DALLAS COUNTY, TEXAS

PARK IMPROVEMENTS
VITRUVIAN PARK

COMPONENT DETAILS
SHEET 2

Greenscape
greenscapegroup.com

PROJECT	DESIGN	DRAWN	DATE	FILE	SHEET
5029-01	RJB	RJB	APR. 26, 2010	PW# 2009-04	D102

PARK IMPROVEMENTS - VITRUVIAN PARK

GENERAL NOTES FOR FABRICATION AND INSTALLATION OF THIS PROJECT

1. The Signage Contractor is the entity who is responsible for the completed signage products described by these documents including but not limited to Fabrication and Installation. The General Contractor is the entity responsible for the VITRUVIAN PARK SITE SIGNAGE Construction Project.

2. The Signage Contractor is responsible for the structural engineering design of the signage and supporting structure to comply with the graphic design described by these documents. **The Signage Contractor shall submit structural engineering shop drawings signed and sealed by Professional Engineers registered in Project State for the respective disciplines.**

3. The intent of the Contract Documents is to include all items necessary for the proper execution and completion of the Work by the Signage Contractor in accordance with the highest standards of trade practice. The Contract Documents are complementary, and what is required by one shall be as binding as if required by all.

4. Since the Contract Documents are complementary, before starting each portion of the Work, the Signage Contractor shall carefully study and compare the various Drawings and other Design Documents relative to that portion of the work, as well as the information furnished by the Owner (including existing and proposed conditions). The Signage Contractor shall take field measurements of any existing conditions related to that portion of the Work and shall observe any conditions at the site affecting it. Also, the Signage Contractor is responsible for reviewing these document for compliance with all building and zoning regulations. These obligations are for the purpose of facilitating construction by the Signage Contractor and are not for the purpose of discovering errors, omissions or inconsistencies in the Contract Documents; however, any errors, omissions or inconsistencies discovered by the Signage Contractor shall be reported promptly to the Architect as a request for information in such form as the Architect may require. Any design errors or omissions noted by the Signage Contractor during this review shall be reported promptly to the Architect. If the Signage Contractor fails to perform the review of the existing conditions and the coordination of the Construction Documents, the Signage Contractor shall pay such costs and damages to the Owner as would have been avoided if the Signage Contractor had performed these obligations.

5. The Signage Contractor shall be responsible to the Owner for acts and omissions of the Signage Contractor's employees, Subcontractors and their agents and employees, and other persons or entities performing portions of the Work for or on behalf of the Signage Contractor or any of its Subcontractors.

6. The Signage Contractor may make substitutions only with the consent of the Owner, after evaluation by the Architect and in accordance with a Change Order.

7. The Signage Contractor warrants to the Owner and Architect that materials and equipment furnished under the Contract will be of good quality and new unless otherwise required or permitted by the Contract Documents, that the Work will be free from defects not inherent in the quality required or permitted, and that the Work will conform to the requirements of the Contract Documents. Work not conforming to these requirements, including substitutions not properly approved and authorized, may be considered defective. The Signage Contractor's warranty excludes remedy for damage or defect caused by abuse, modifications not executed by the Signage Contractor, improper or insufficient maintenance, or normal wear and tear and normal usage. If Required by the Architect, the Signage Contractor shall furnish satisfactory evidence as to the kind and quality of materials and equipment. In addition, the Signage Contractor shall warrantee to the Owner to replace or repair any portion of the Work that fails to conform with the requirements of the Construction Documents within a one (1) year period from date of final acceptance of the Work.

8. Unless otherwise provided in the Contract Documents, the Signage Contractor shall secure and pay for the building permit and other permits and governmental fees, licenses and inspections necessary for proper execution and completion of the Work which are customarily secured after execution of the Contract and which are legally required when bids are received or negotiations concluded. The Signage Contractor shall comply with and give notices required by laws, ordinances, rules, regulations and lawful orders of public authorities applicable to performance of the work.

9. The Signage Contractor shall comply with and give notices required by laws, ordinances, rules, regulations and lawful orders of public authorities applicable to performance of the Work.

10. The Signage Contractor shall employ a competent superintendent and necessary assistants who shall be in attendance at the Project site during performance of the Work. The superintendent shall represent the Signage Contractor, and communications given to the superintendent shall be as binding as if given to the Signage Contractor. Important communications shall be confirmed in writing. Other communications shall be similarly confirmed on written request in each case.

11. The Signage Contractor, promptly after being awarded the Contract, shall prepare and submit for the Owner's and Architect's information a construction schedule of the Work. The schedule shall not exceed time limits current under the Contract Documents, shall be revised at appropriate intervals as required by the conditions of the Work and the Project, shall be related to the entire Project to the extent required by the Contract Documents, and shall provide for expeditious and practical execution of the Work. The Signage Contractor shall prepare and keep current, of the Architect's approval, a schedule of submittals which is coordinated with the Signage Contractor's construction schedule and allows the Architect reasonable time to review submittals. The Signage Contractor shall perform the Work in general accordance with the most recent schedules submitted to the Owner and Architect.

12. The Signage Contractor shall perform no portion of the Work unless Shop Drawings, Product Data, Samples or similar submittals have been reviewed by the Architect and accepted for inclusion in the Work. Graphic artwork shall be provided by the Architect to the Signage Contractor via computer disk, email or FTP site to facilitate the production of the Shop Drawing submittals. The Signage Contractor shall notify the Architect of any discrepancies in the submittal documents immediately and shall not proceed or allow any work in those areas until discrepancies are resolved.

13. The Work shall be in accordance with approved submittals except that the Signage Contractor shall not be relieved of responsibility for deviations from requirements of the Contract Documents by the Architect's approval of Shop Drawings, Product Data, Samples or similar submittals unless the Contractor has specifically informed the Architect in writing of such deviation at the time of submittal and (1) the Architect has given written approval to the specific deviation as a minor change in the Work, or (2) a Change Order of Construction Change Directive has been issued authorizing the deviation. The Signage Contractor shall not be relieved of responsibility for error or omissions in Shop Drawings, Product Data, Samples or similar submittals by the Architect's acceptance thereof.

14. The Signage Contractor shall be responsible for cutting, fitting or patching required to complete the Work or to make its parts fit together properly. The Signage Contractor shall not damage or endanger a portion of the Work or fully or partially completed construciton of the Owner or separate contractors by cutting, patching or otherwise altering such construction, or by excavation. The Signage Contractor shall not cut or otherwise alter such construction by the Owner or a separate contractor except with written consent of the Owner and of such separate contractor; such consent shall not be unreasonably withheld. The Signage Contractor shall not unreasonably withhold from the Owner or a separate contractor the Contractor's consent to cutting or otherwise altering the Work.

15. The Signage Contractor shall keep the premises and surrounding area free from accumulation of waste materials or rubbish caused by operations under the Contract. At completion of the Work, the Signage Contractor shall remove from and about the Project waste materials, rubbish, the Signage Contractor's tools, construction equipment, machinery and surplus materials. If the Signage Contractor fails to clean up as specified above, the Owner may do so and the cost thereof shall be charged to the Signage Contractor.

Drawings

1. Do not scale the drawings. All sign copy and graphics should be considered to be representative and are subject to change. Refer to final message schedule for final copy on all signs. Refer to location plans for final locations of all signs.

2. All dimensions are to the exterior face of the finished material unless otherwise noted. All elevations are noted from finish floor elevations.

3. All graphics and colors provided must conform to scale, specifications and PMS numbers where provided.

Materials and Fabrication

1. All materials shall be of new stock, free from defects impairing strength, durability, or appearance.

2. All aluminum fabrication shall be per the Contract Documents and all joints shall be welded, filled, ground, and sanded smooth prior to painting to ensure a uniform surface.

3. When dissimilar metals are in contact, the contacting surfaces shall be coated with asphaltic paint to prevent oxidation and electrolysis. Aluminum and steel are not to come in contact with each other.

4. Sign faces must be left clean and free of glue or other foreign material. Edges are to be routed smooth and straight.

5. All corners shall be 90° with crisp, clean edges.

6. All interior finish and trim materials are to meet Class III flame spread ratings of 76 to 200, or per applicable code.

Painting and Finishing

1. All aluminum materials shall be thoroughly sanded to remove oxidation and primed prior to painting and anodizing process. In the case of painting the aluminum, this is done to ensure maximum paint adhesion.

2. Primer coats or other surface pretreatment, where recommended by the manufacturer for paints, shall be included as part of the finished surface work at no extra cost to the owner.

3. All paints shall be evenly applied without pinholes, scratches, orange-peeling, application marks and other imperfections. Workmanship, finishes and formation of letters shall conform to the highest standards of the trade.

4. All baselines shall be horizontal on the sign face. Margins must be maintained as specified in the drawings.

5. Anchoring devices are to be adequate types of non-corrosive materials for securing signs to in-place structures.

Installation

1. Signage Contractor to supply General Contractor with mounting/structural requirements for all exterior signage. All structure installed by General Contractor in preparation for signage installation will be paid for by General Contractor. All connections from sign to structure to be paid for by Signage Contractor and designed by a licensed structural engineer.

2. All installations are to be level and plumb or will be deemed unacceptable.

3. Immediately after fabrication, Signage Contractor shall touch-up paint all field welds, bolted connections and abased areas of shop paint. If marred areas cannot be adequately touched up on site, the sign(s) will be returned to the shop for controlled refinishing.

6. The Signage Contractor shall provide and install adequate blocking for all wall hung and wall supported items except for those items which are hung from items not in contract.

8. All hangers, channels, rods and other misc. support steel shall be installed by the Signage Contractor as necessary for the support of suspended equipment (signage) and shall be fastened to the existing structure in such a manner as to not compromise its existing structural integrity or fire rating.

11. The Signage Contractor shall provide all engineering required for exterior signage guaranteed for local conditions and codes.

Qualifiers

1. All design arrangements or plans indicated or represented by these drawings are instruments of service of LRK, and remain the sole property of LRK.

2. No ideas, designs, arrangements, or plans shall be disclosed to any other person, firm, or corporation for any purpose whatsoever without the express written consent of LRK.

3. All Artwork and Drawings are not to be reproduced or circulated for use outside the scope of this contract without written consent of LRK.

BID TABULATION

Sign Desc.	Sign Type	Quantity	Notes
PARK RULES	PR.1	2	
AREA IDENTIFICATION	PI.1	2	
PRIMARY WAYFINDING	PW.1	3	
PARK EXHIBITION	PE.1	2	
SURFACE PARKING ID	PK.1	6	
PARK MAP	PM.1	3	
SECONDARY WAYFINDING	PD.1	1	
MONUMENT	PM.1	1	
REGULATORY	PS.1	REFER TO CIVIL SHEETS 46-48 FOR QUANTITIES AND LOCATIONS	STOP SIGNS CUSTOM FRAME AND MOUNTING. ALL OTHER REGULATORY SIGNAGE STANDARD, APPLIED TO POST WITH CONCEALED FASTENERS
REGULATORY AND STREET ID	PS.2	REFER TO CIVIL SHEETS 46-48 FOR QUANTITIES AND LOCATIONS	

P1	P2	P3	P4	P5
Matthews Acrylic Polyurethane VOC Paint 20160 (Hermes Bronze Metallic)	Matthews Acrylic Polyurethane VOC Paint (Puebla Green Metallic)	Matthews Acrylic Polyurethane VOC Paint 22087 (Pastello Blue Metallic)	Matthews Acrylic Polyurethane VOC Paint 18082 (Brightray Silver Metallic)	Matthews Acrylic Polyurethane VOC Paint 42359 (Vine charcoal)

PAINT		
P1	Matthews Paint 20160 (Hermes Bronze Metallic)	Satin
P2	Matthews Paint 42083 (Puebla Green Metallic)	Satin
P3	Matthews Paint 22087 (Pastello Blue Metallic)	Satin
P4	Matthews Paint 18082 (Brightray Silver Metallic)	Satin
P5	Matthews Paint 42359 (Vine Charcoal)	Satin
VINYL		
V1	Oracal® Series 851 #810 (Cocoa Brown)	
V2	To match PMS 7495 (Green)	
V3	To match PMS 5503 (Blue)	
V4	Oralite® Series 5700 #010 (White)	

100% DESIGN INTENT DRAWINGS. NOT INTENDED FOR CONSTRUCTION.

These drawings are intended to convey design intent only. Final engineering, materials, and fabrication shall remain the responsibility of the Fabricator to ensure quality fit and finish for all components.

Colors are shown for reference only, and are subject to the limitations of the printing process. Refer to finish samples and/or color system swatches for accurate reference.

Messages shown in the drawings are for reference only. Refer to Message Schedule for actual messages required for each sign location.

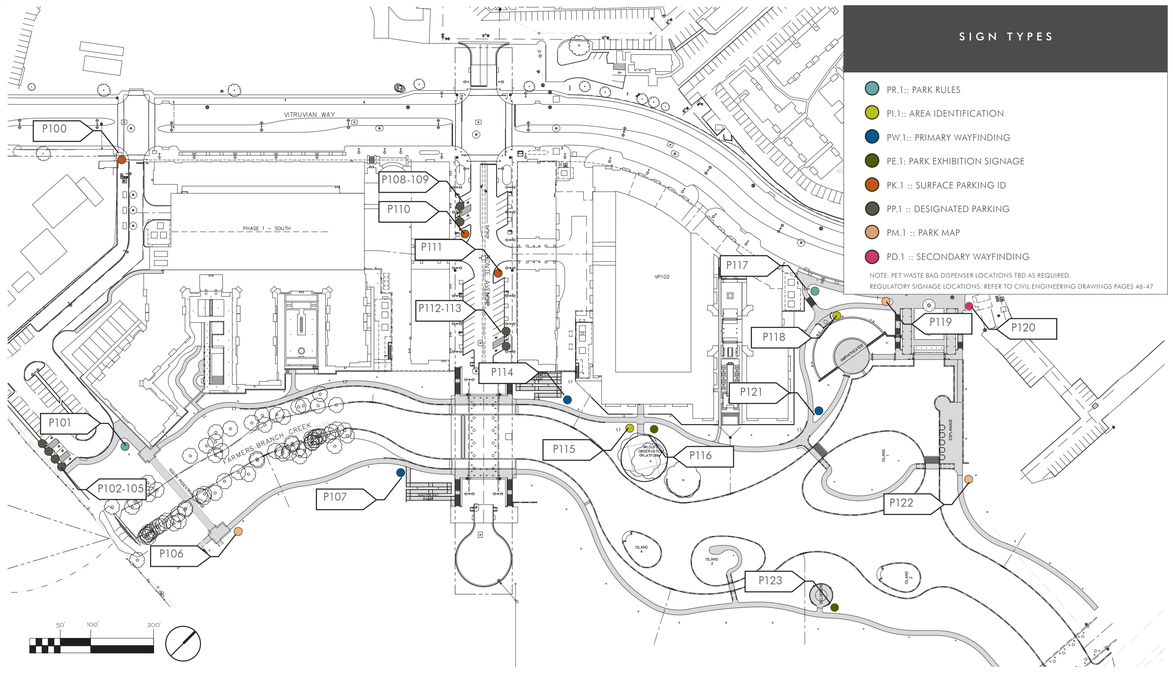
WARNING

CONTRACTOR IS TO CONTACT TEXAS ONE-CALL SYSTEM (1-800-245-4545) OR OTHER UTILITY LOCATING SERVICES AT LEAST 48 HOURS PRIOR TO CONSTRUCTION ACTIVITIES. ICON CONSULTING ENGINEERS, INC. IS NOT RESPONSIBLE FOR KNOWING ALL EXISTING UTILITIES IN THE PROJECT AREA NOR FOR DEPICTING THE EXACT LOCATIONS OF UTILITIES ON THESE DRAWINGS.

BM #1 REF. ELEVATION = 559.47
SQUARE CUT IN TOP OF CURB, SOUTH MEDIAN END NOSE, MARSH LANE

1127' NORTH OF VITRUVIAN WAY.
BM #2 REF. ELEVATION = 547.84
SQUARE CUT IN TOP OF CURB, NORTH MEDIAN END NOSE, AT INTERSECTION OF

VITRUVIAN WAY AND MARSH LANE.



1 Sign Location Plan
Scale: NTS

SIGN TYPES

- PR.1:: PARK RULES
- PI.1:: AREA IDENTIFICATION
- PW.1:: PRIMARY WAYFINDING
- PE.1: PARK EXHIBITION SIGNAGE
- PK.1 :: SURFACE PARKING ID
- PP.1 :: DESIGNATED PARKING
- PM.1 :: PARK MAP
- PD.1 :: SECONDARY WAYFINDING

NOTE: PET WASTE BAG DISPENSER LOCATIONS TBD AS REQUIRED.
REGULATORY SIGNAGE LOCATIONS: REFER TO CIVIL ENGINEERING DRAWINGS PAGES 46-47

VITRUVIAN PARK
90% Design Intent Drawings

Message Schedule
01.09107.00

Location Number	Sign Type	Message	Double Sided
P100	PK.1	STANDARD; SEE ARTWORK SHEET G200	X
P101	PR.1	STANDARD; SEE ARTWORK SHEET G200	
P102	PP.1	STANDARD; SEE ARTWORK SHEET G203	
P103	PP.1	STANDARD; SEE ARTWORK SHEET G204	
P104	PP.1	STANDARD; SEE ARTWORK SHEET G204	
P105	PP.1	STANDARD; SEE ARTWORK SHEET G204	
P106	PM.1	STANDARD; SEE ARTWORK SHEET G202	
P107	PW.1	(UP ARROW) RAMP TO PONTE AVENUE (LEFT ARROW) AMPHITHEATER GROTTO (RIGHT ARROW) VISITOR PARKING	
P108	PP.1	STANDARD; SEE ARTWORK SHEET G204	
P109	PP.1	STANDARD; SEE ARTWORK SHEET G204	
P110	PK.1	STANDARD; SEE ARTWORK SHEET G203	X
P111	PK.1	STANDARD; SEE ARTWORK SHEET G203	X
P112	PP.1	STANDARD; SEE ARTWORK SHEET G204	
P113	PP.1	STANDARD; SEE ARTWORK SHEET G204	
P114	PW.1	(UP ARROW) RAMP TO PONTE AVENUE (LEFT ARROW) VISITOR PARKING (RIGHT ARROW) WILDLIFE OBSERVATORY AMPHITHEATHER GROTTO RESTROOMS	
P115	PI.1	WILDLIFE OBSERVATORY	
P116	PE.1	STANDARD; SEE ARTWORK SHEET G203	
P117	PR.1	STANDARD; SEE ARTWORK SHEET G200	
P118	PI.1	AMPHITHEATER	
P119	PM.1	STANDARD; SEE ARTWORK SHEET G202	
P120	PD.1	(UNISEX ADA SYMBOL) (UP ARROW)	
P121	PW.1	(RIGHT ARROW) AMPHITHEATER RESTROOMS (LEFT ARROW) WILDLIFE OBSERVATOR VISITOR PARKING RAMP TO PONTE DRIVE	
P122	PM.1	STANDARD; SEE ARTWORK SHEET G202	
P123	PE.1	STANDARD; SEE ARTWORK SHEET G203	

NO.	REVISION	BY	DATE

Addison

TOWN OF ADDISON
DALLAS COUNTY, TEXAS

PARK AND STREETSCAPE IMPROVEMENTS
VITRUVIAN PARK

PARK SIGNAGE DESIGN INTENT GENERAL NOTES, LOCATION PLAN

LRK
175 Toyota Plaza, Suite 600
Memphis, Tennessee 38103
Telephone 901.521.1440
Fax 901.525.2760
Internet www.lrk.com

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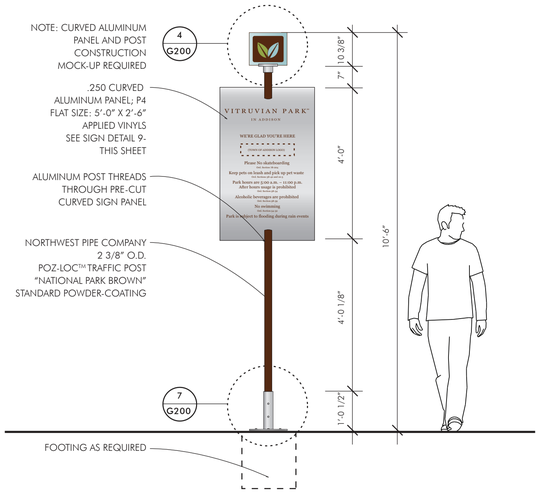
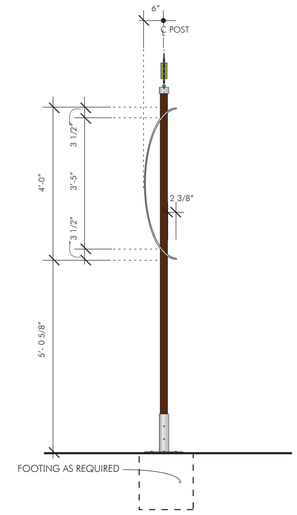
PROJECT	DESIGN	DRAWN	DATE	FILE	SHEET
5029-01	LR	LR	APR 26, 2010	LRK 0109107-G100	G100

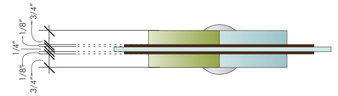
PARK AND STREETSCAPE IMPROVEMENTS - VITRUVIAN PARK



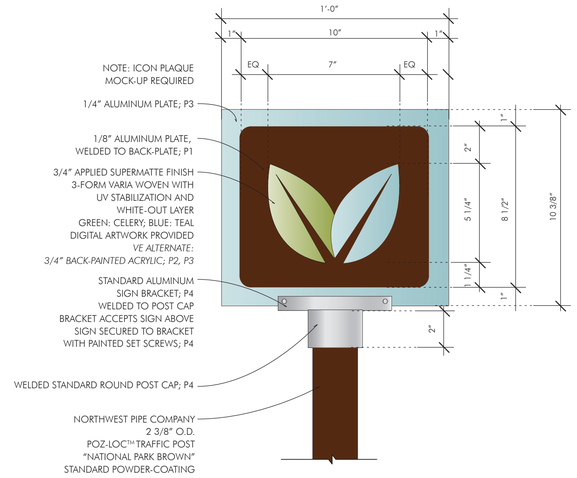
1 PR.1: FRONT ELEVATION
1/2"=1'-0"



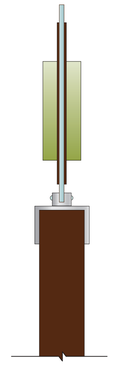
2 PR.1: SIDE ELEVATION
1/2"=1'-0"



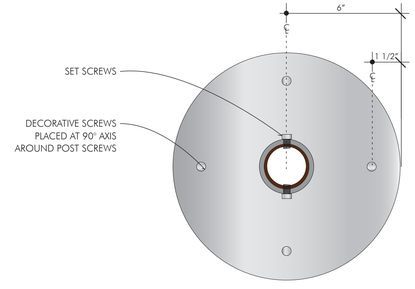
3 TYPICAL ICON PLAQUE PLAN
3"=1'-0"



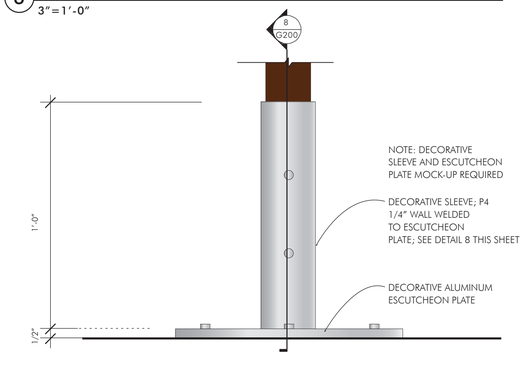
4 TYPICAL ICON PLAQUE FRONT ELEVATION
3"=1'-0"



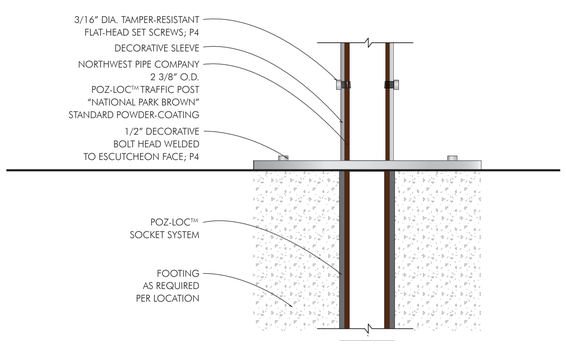
5 TYPICAL ICON PLAQUE SIDE ELEVATION
3"=1'-0"



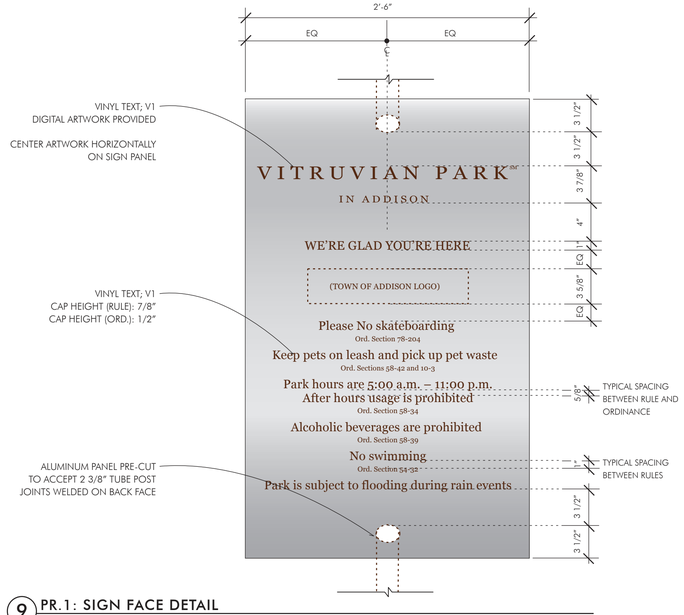
6 TYPICAL SLEEVE BASE PLAN
3"=1'-0"



7 TYPICAL SLEEVE BASE FRONT ELEVATION
3"=1'-0"



8 TYPICAL SLEEVE BASE SECTION
3"=1'-0"



9 PR.1: SIGN FACE DETAIL
1 1/2"=1'-0"

100% DESIGN INTENT DRAWINGS. NOT INTENDED FOR CONSTRUCTION.

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BM #1 REF. ELEVATION = 559.47
SQUARE CUT IN TOP OF CURB, SOUTH MEDIAN END NOSE, MARSH LANE

1127' NORTH OF VITRUVIAN WAY.
BM #2 REF. ELEVATION = 547.84
SQUARE CUT IN TOP OF CURB, NORTH MEDIAN END NOSE, AT INTERSECTION OF

VITRUVIAN WAY AND MARSH LANE.

NO.	REVISION	BY	DATE

TOWN OF ADDISON
DALLAS COUNTY, TEXAS

PARK AND STREETSCAPE IMPROVEMENTS
VITRUVIAN PARK

PARK SIGNAGE DESIGN INTENT PLANS AND ELEVATIONS

LRK
175 Toyota Plaza, Suite 600
Memphis, Tennessee 38103
Telephone 901.527.1440
Fax 901.525.3760
Internet www.lrk.com

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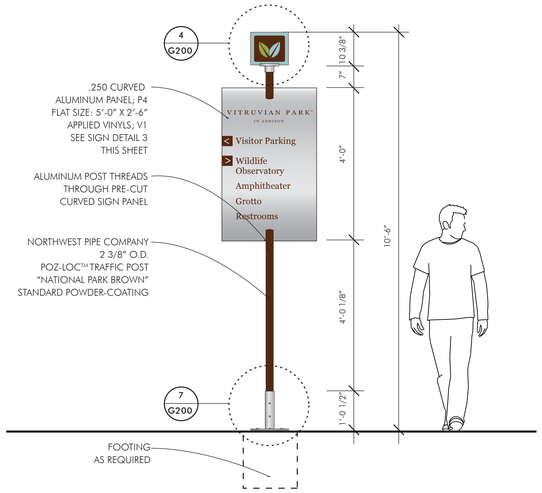
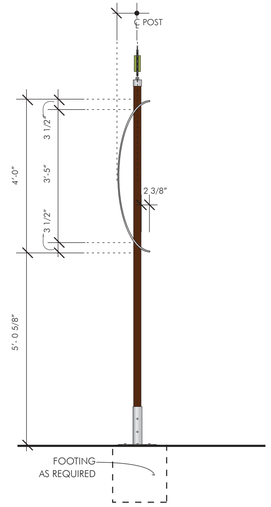
PROJECT	DESIGN	DRAWN	DATE	FILE	SHEET
5029-01	LR	LR	APR 26, 2010	LRK 0109107-G200	G200

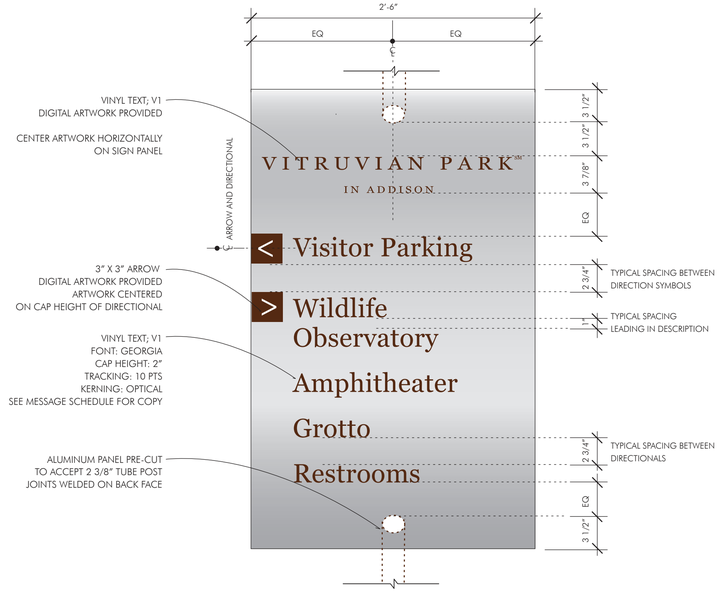
PARK AND STREETSCAPE IMPROVEMENTS – VITRUVIAN PARK



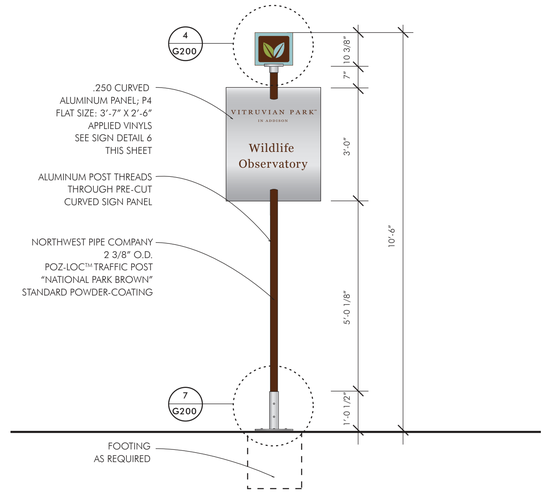
1 PW.1: FRONT ELEVATION
1/2"=1'-0"



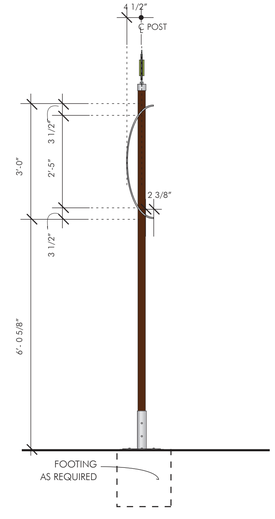
2 PW.1: SIDE ELEVATION
1/2"=1'-0"



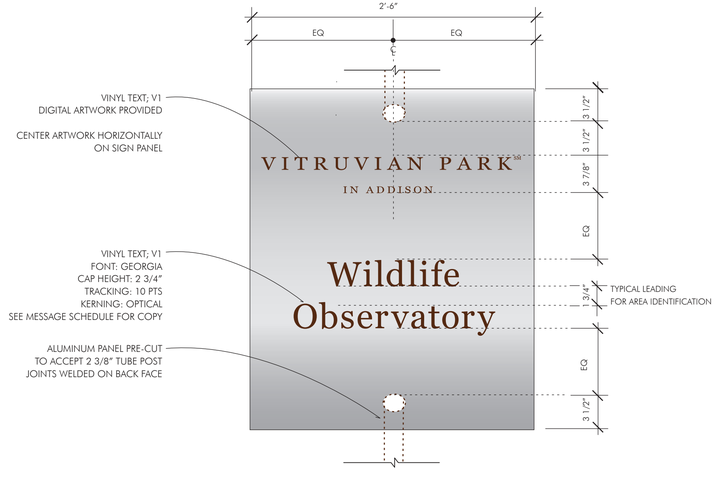
3 PW.1: SIGN FACE DETAIL
1 1/2"=1'-0"



4 PI.1: FRONT ELEVATION
1/2"=1'-0"



5 PI.1: SIDE ELEVATION
1/2"=1'-0"



6 PI.1: SIGN FACE DETAIL
1 1/2"=1'-0"

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1127' NORTH OF VITRUVIAN WAY.
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SQUARE CUT IN TOP OF CURB, NORTH MEDIAN END NOSE, AT INTERSECTION OF

VITRUVIAN WAY AND MARSH LANE.

NO.	REVISION	BY	DATE

TOWN OF ADDISON
DALLAS COUNTY, TEXAS

PARK AND STREETSCAPE IMPROVEMENTS
VITRUVIAN PARK

PARK SIGNAGE DESIGN INTENT PLANS AND ELEVATIONS

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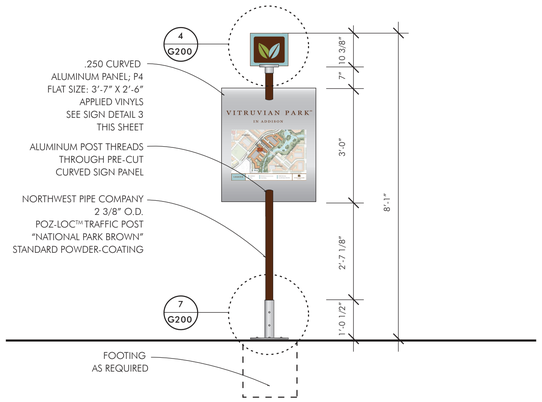
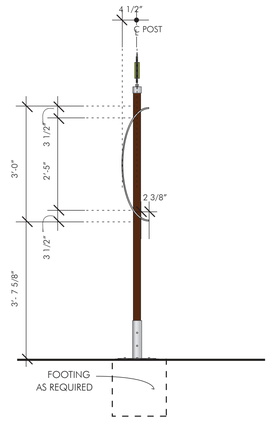
PROJECT	DESIGN	DRAWN	DATE	FILE	SHEET
5029-01	LR	LR	APR 26, 2010	LRK 0109107-G201	G201

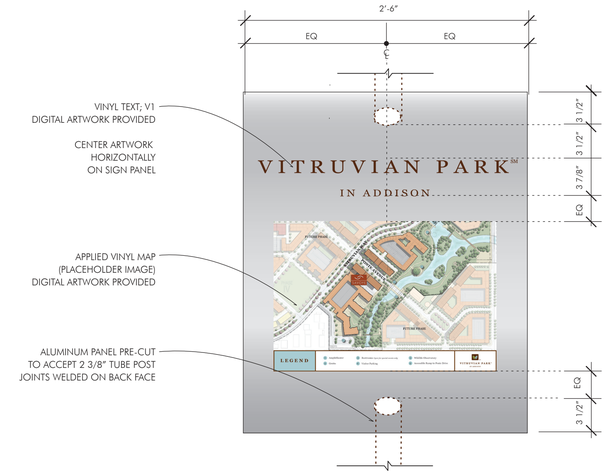
PARK AND STREETSCAPE IMPROVEMENTS – VITRUVIAN PARK



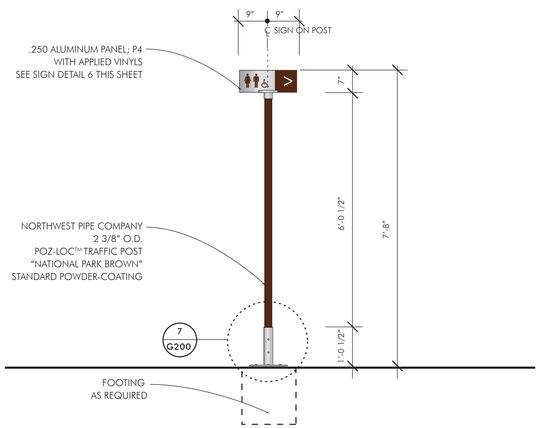
1 PM.1: FRONT ELEVATION
1/2"=1'-0"



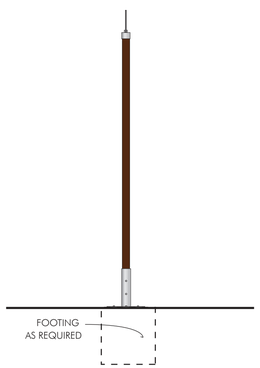
2 PM.1: SIDE ELEVATION
1/2"=1'-0"



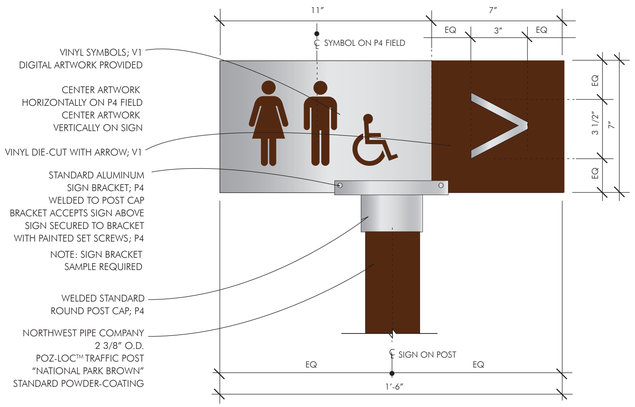
3 PM.1: SIGN FACE DETAIL
1 1/2"=1'-0"



4 PD.1: FRONT ELEVATION
1/2"=1'-0"



5 PD.1: SIDE ELEVATION
1/2"=1'-0"



6 PD.1: SIGN FACE DETAIL
3"=1'-0"

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BM #2 REF. ELEVATION = 547.84
SQUARE CUT IN TOP OF CURB, NORTH MEDIAN END NOSE, AT INTERSECTION OF

VITRUVIAN WAY AND MARSH LANE.

NO.	REVISION	BY	DATE

TOWN OF ADDISON
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PARK AND STREETSCAPE IMPROVEMENTS
VITRUVIAN PARK

PARK SIGNAGE DESIGN INTENT PLANS AND ELEVATIONS

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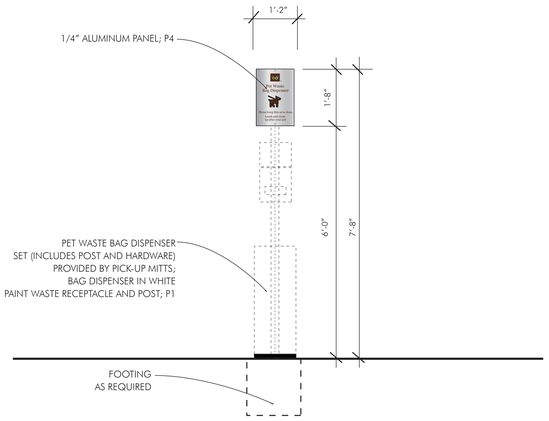
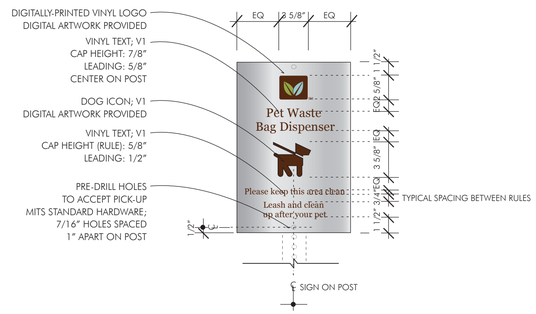
PROJECT	DESIGN	DRAWN	DATE	FILE	SHEET
5029-01	LR	LR	APR 26, 2010	LRK 0109107-G202	G202

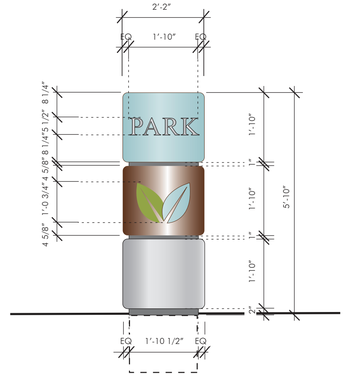
PARK AND STREETSCAPE IMPROVEMENTS - VITRUVIAN PARK



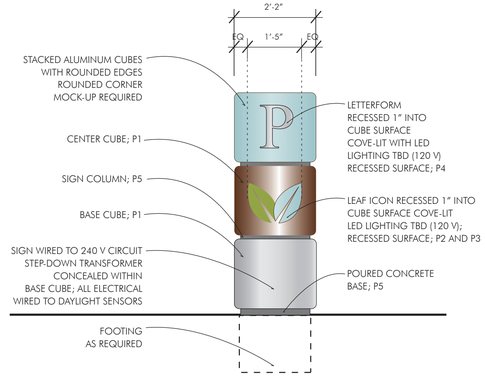
1 PB.1: FRONT ELEVATION
1/2"=1'-0"



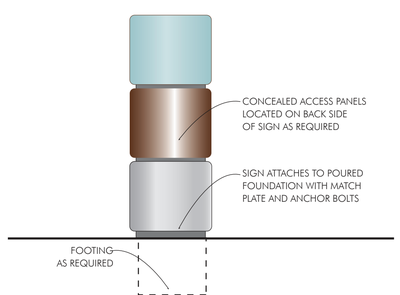
2 PB.1: DETAIL
1 1/2"=1'-0"



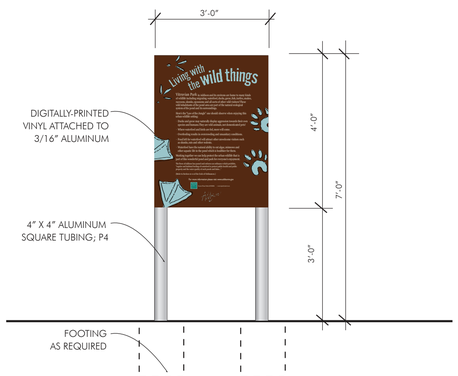
3 PK.1: FRONT ELEVATION
1/2"=1'-0"



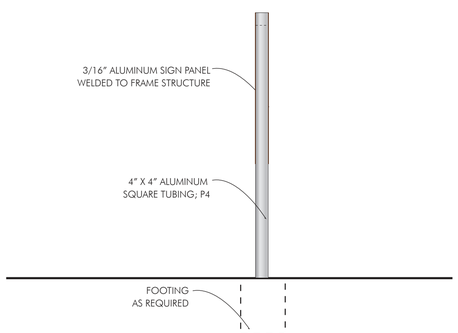
4 PK.1: SIDE ELEVATION
1/2"=1'-0"



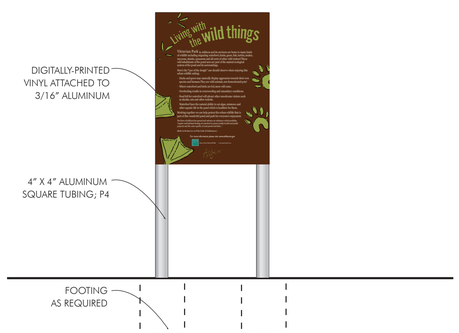
5 PK.1: BACK ELEVATION
1/2"=1'-0"



6 PE.1: FRONT ELEVATION
1/2"=1'-0"



7 PE.1: FRONT ELEVATION
1/2"=1'-0"



8 PE.1: BACK ELEVATION
1/2"=1'-0"

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SQUARE CUT IN TOP OF CURB, NORTH MEDIAN
END NOSE, AT INTERSECTION OF

VITRUVIAN WAY AND MARSH LANE.

NO.	REVISION	BY	DATE

TOWN OF ADDISON
DALLAS COUNTY, TEXAS

PARK AND STREETSCAPE IMPROVEMENTS
VITRUVIAN PARK

PARK SIGNAGE DESIGN INTENT PLANS AND ELEVATIONS

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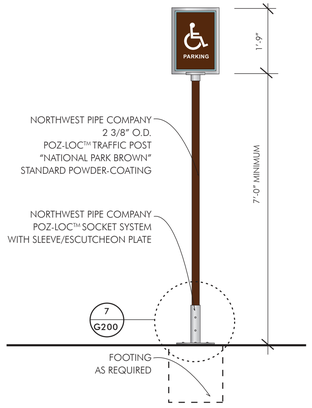
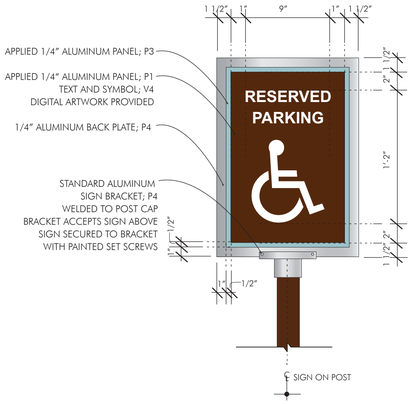
PROJECT	DESIGN	DRAWN	DATE	FILE	SHEET
5029-01	LR	LR	APR 26, 2010	LRK 0109107-G203	G203

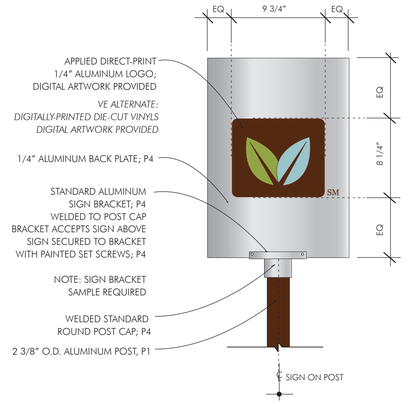
PARK AND STREETSCAPE IMPROVEMENTS - VITRUVIAN PARK



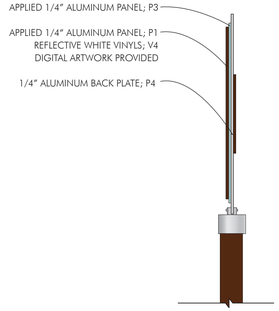
1 PP.1: FRONT ELEVATION
1/2"=1'-0"



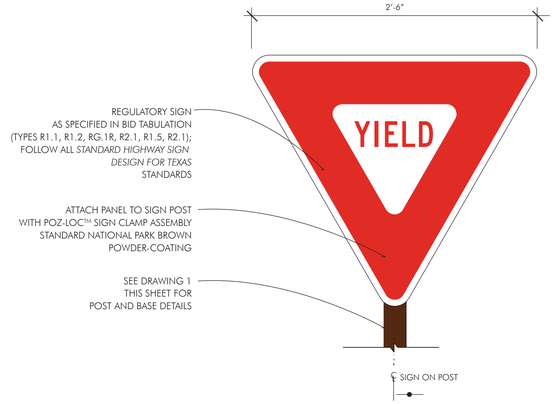
2 PP.1: SIGN FACE DETAIL
1 1/2"=1'-0"



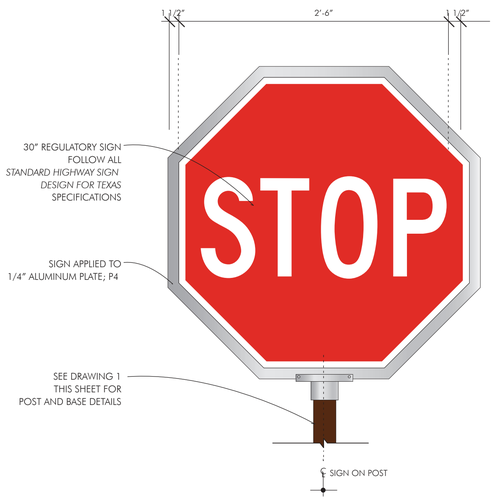
3 PP.1: SIGN BACK FACE DETAIL
1 1/2"=1'-0"



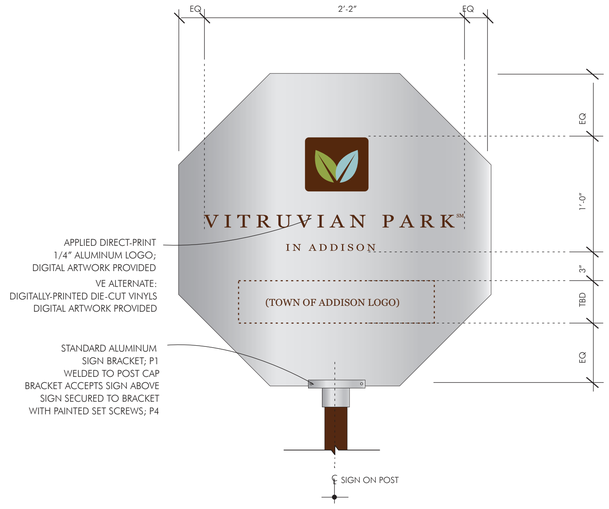
4 PP.1: SIGN SIDE ELEVATION DETAIL
1 1/2"=1'-0"



5 REGULATORY SIGN POST ATTACHMENT
1 1/2"=1'-0"



6 R1.1: SIGN FACE DETAIL
1 1/2"=1'-0"



7 R1.1: SIGN BACK FACE DETAIL
1 1/2"=1'-0"

8 R1.2: SIGN FACE DETAIL
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1127' NORTH OF VITRUVIAN WAY.
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NO.	REVISION	BY	DATE

Addison

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DALLAS COUNTY, TEXAS

PARK AND STREETSCAPE IMPROVEMENTS
VITRUVIAN PARK

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5029-01	LR	LR	APR 26, 2010	LRK 0109107-G204	G204

PARK AND STREETSCAPE IMPROVEMENTS - VITRUVIAN PARK