

**PLANS FOR THE CONSTRUCTION OF**  
**WATER, SANITARY SEWER & PAVING IMPROVEMENTS**  
**FOR**  
**VITRUVIAN PARK PUBLIC INFRASTRUCTURE - BLOCK 500 A**  
**TOWN OF ADDISON, TEXAS**  
**TOWN PROJECT # 17-07**



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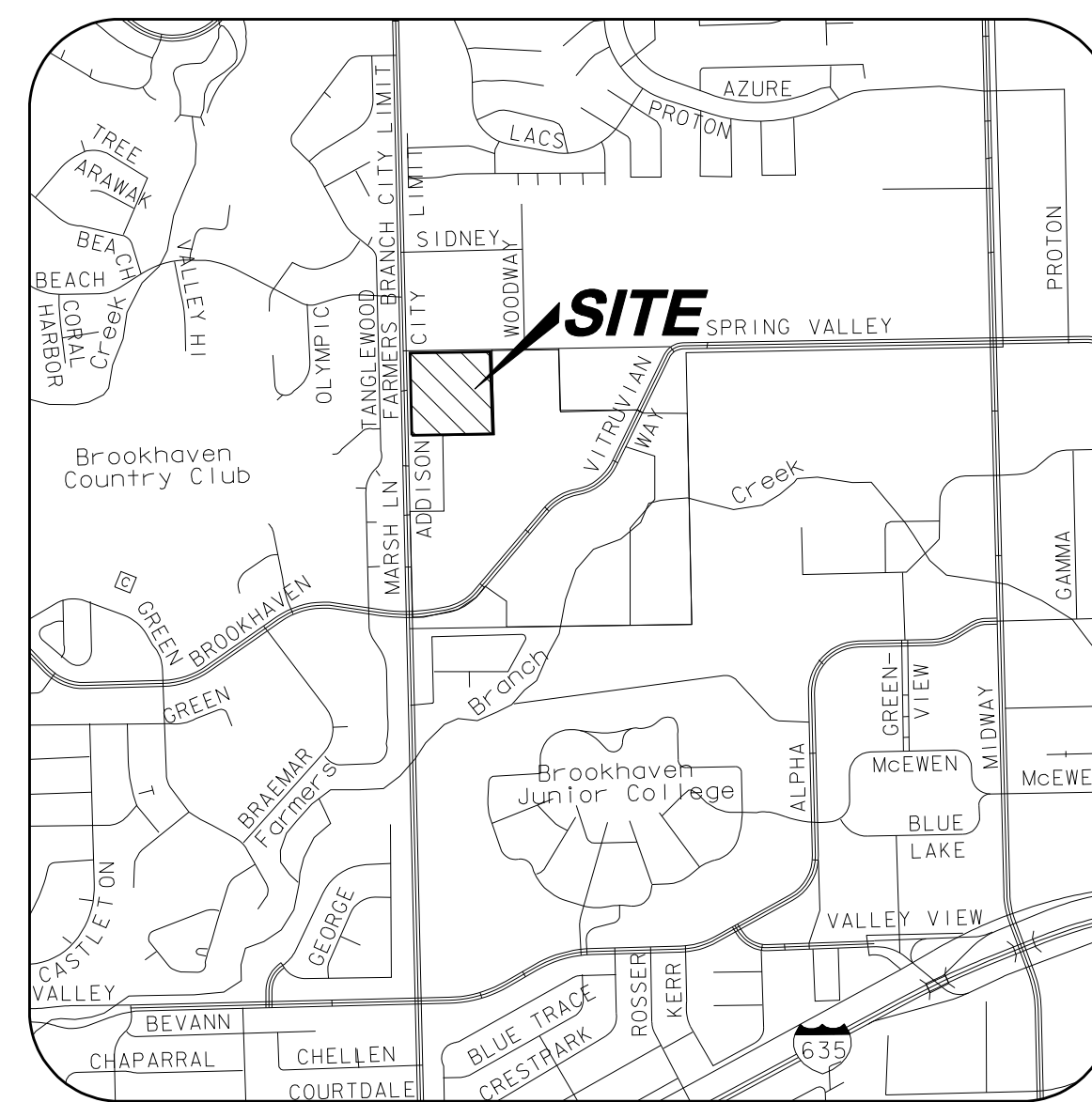
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**VICINITY MAP**

NOT TO SCALE  
 (MAPSCO GRID 13 & 14)

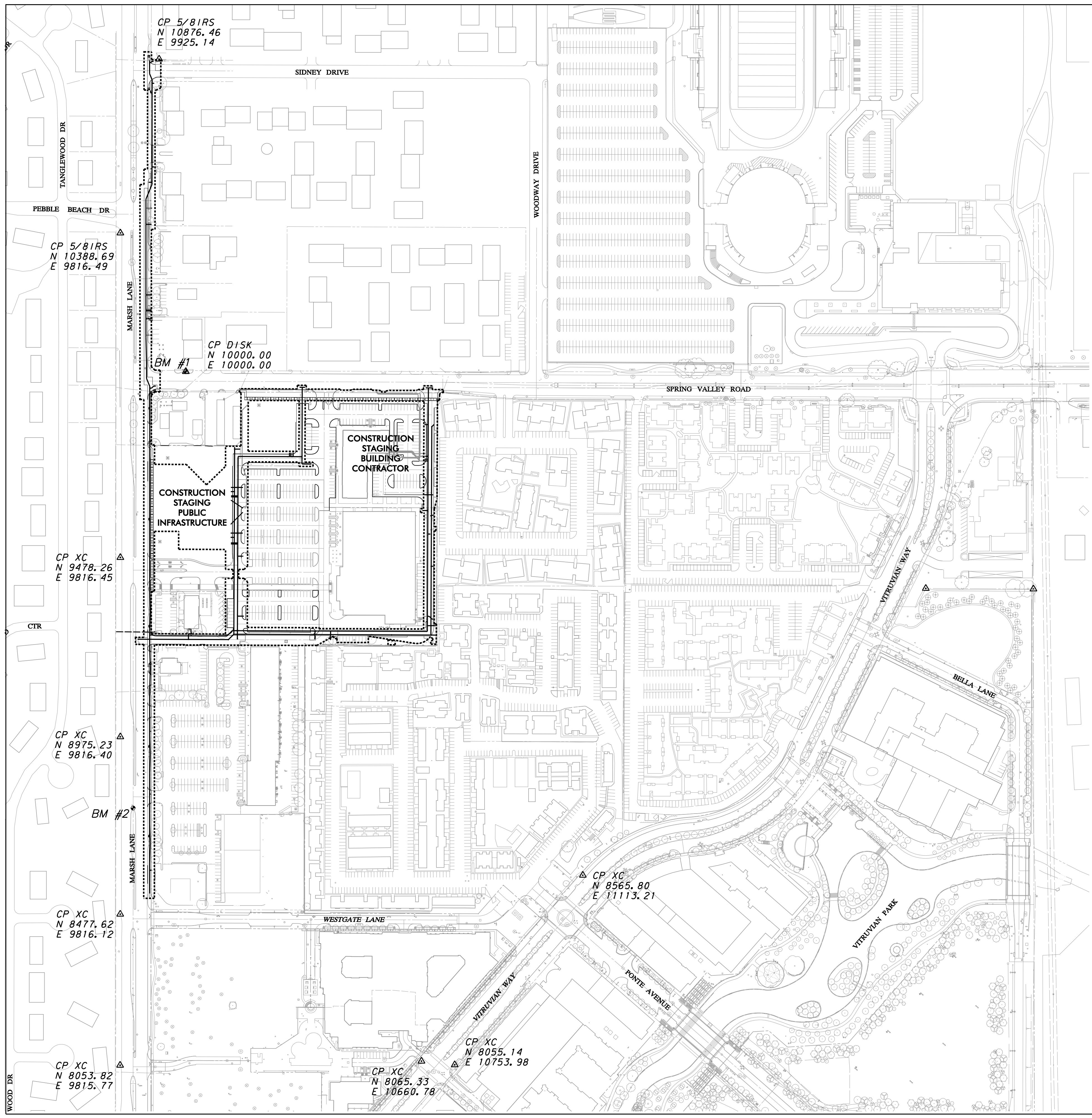
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**icon** Consulting Engineers, Inc.  
 Civil Engineers- Designers- Planners  
 ENGINEERING FIRM REGISTRATION NUMBER F-9007

**JANUARY 22, 2020 - AS-BUILT / RECORD DRAWINGS**



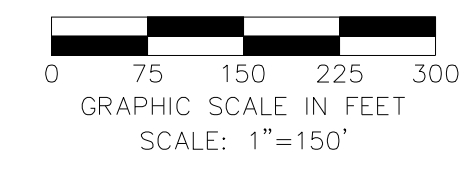


**LEGEND**

LIMITS OF DISTURBANCE -----

BM #1 REF. ELEVATION = 573.00  
 TOWN OF ADDISON MONUMENT NO. 1 BEING A DISK SET IN CONCRETE, ON THE NORTH SIDE OF SPRING VALLEY ROAD, APPROX. 147 FEET EAST OF THE CENTERLINE OF MARSH LANE.

BM #2 REF. ELEVATION = 559.47  
 SQUARE CUT IN TOP OF CURB, SOUTH MEDIAN END NOSE, MARSH LANE 1127' NORTH OF VITRUVIAN WAY.



NO.	REVISION	BY	DATE

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**WATER, SS & PAVING IMPROVEMENTS**  
**VITRUVIAN PARK PUBLIC INFRASTRUCTURE BLOCK 500 A**

**TOWN OF ADDISON, TEXAS**  
**OVERALL LAYOUT & PROJECT CONTROL**

DESIGN	DRAWN	DATE	SCALE	NOTES	Sheet No.
ICE	ICE	JAN 22, 2020	AS NOTED		<b>2</b>

VITRUVIAN PARK BLOCK 500 A PUBLIC INFRASTRUCTURE - PROJECT NO. 5029-05

# 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' INFRASTRUCTURE AND WATER DEPARTMENT RECORDING CODES, AND FIRE DEPARTMENT RECORDING CODES, AND FIRE DEPARTMENT RECORDING CODES, AND FIRE DEPARTMENT RECORDING CODES, 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 DISCREPANCIES OR DISAGREEMENTS 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 LAW, 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 NEGLIGENCE 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 NEGLIGENCE WITHOUT NOTICE; AND, IN OTHER CASES, THE COST OF SUCH WORK DONE BY THE TOWN OF ADDISON SHALL BE DEDUCTED FROM THE MONIES DUE OR TO BECOME DUE TO 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 (SW3P):** THE CONTRACTOR SHALL COMPLY WITH THE CONDITIONS OF THE SW3P WHILE CONDUCTING HIS ACTIVITIES ON THE PROJECT. IN ADDITION TO CONSTRUCTING THOSE ITEMS INDICATED ON THE PLAN SHEETS, COMPLIANCE WITH THE SW3P INCLUDES CONFORMANCE TO CERTAIN PRACTICES AND PROCEDURES (IDENTIFIED IN THE SW3P) 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 - 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 (800-248-4545) MUST BE CONTACTED 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 CONSTRUCTIONS WITH THE APPROPRIATE GOVERNING AUTHORITIES, THEN OBTAIN 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 SIGNING AND BARRICADES SHALL CONFORM WITH THE "2003 TEXAS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, PART 6", 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 ALL TRAFFIC ALONG ADJACENT ROADWAYS INCLUDING PEDESTRIAN. 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. THIS INCLUDES VEHICULAR AND PEDESTRIAN ACCESS.

**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 LIGHTS TO PROTECT THE TOWN OF ADDISON, 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, A SUITABLE BYPASS SHALL BE PROVIDED AND THE ORIGINAL CHANNEL 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, 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 TO 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.

**39. PEDESTRIAN ACCESS:** THE CONTRACTOR SHALL PLACE SIGNS INFORMING PEDESTRIANS OF SIDEWALK CLOSURES WITHIN THE CONSTRUCTION LIMITS. SIGNS ALONG MARSH LANE SHALL BE PLACED AT VITRUVIAN WAY, JUST NORTH OF PROPOSED WESTGATE LANE AND AT SPRING VALLEY ROAD. IN ADDITION TO SIDEWALK CLOSURE, THE MARSH LANE SIGNS SHALL INCLUDE VITRUVIAN WAY AS AN ALTERNATE ROUTE.

## ABBREVIATIONS

APPROX	APPROXIMATELY	G	GAS	R	RADIUS
ASPH	ASPHALT	GI	GRATE INLET	RCB	REINFORCED CONCRETE BOX
BC	BACK OF CURB	GM	GAS METER	RCI	RECESSED CURB INLET
B-B	BACK TO BACK OF CURB	GDPE	HIGH DENSITY POLYETHYLENE PIPE	RCP	REINFORCED CONCRETE PIPE
BM	BENCHMARK	HDWL	HEADWALL	RCCP	REINFORCED CONCRETE CYLINDRICAL PIPE
BW	BOTTOM OF WALL	HMAC	HOT MIX ASPHALTIC CONCRETE	REC	RECESSED
CATV	CABLE TV	HORIZ	HORIZONTAL	REINF	REINFORCED
CFS	CUBIC FEET PER SECOND	HP	HIGH POINT	RL	RIDGE LINE
CI	CURB INLET	HVAC	HEATING, VENTILATION AND AIR CONDITIONING	ROW	RIGHT OF WAY
CMP	CORRUGATED METAL PIPE	IRR	IRRIGATION	RT	RIGHT
CO	CLEANOUT	JB	JUNCTION BOX	SF	SQUARE FEET
CONC	CONCRETE	JT	JOINT	SD	STORM DRAIN
CONST	CONSTRUCT	LF	LINEAR FEET	SO	SQUARE
DCO	DOUBLE CLEANOUT	LP	LOW POINT	SS	SANITARY SEWER
DIA	DIAMETER	LT	LEFT	STA	STATION
DIP	DUCTILE IRON PIPE	MH	MANHOLE	SY	SQUARE YARD
DW	DOMESTIC WATER	N/A	NOT APPLICABLE	T	TELEPHONE
EL	ELEVATION	NG	NATURAL GROUND (EXISTING)	TC	TOP OF CURB
EMH	ELECTRIC MANHOLE	PC	POINT OF CURVATURE	TDUCT	TOP OF DUCT
EP	EDGE OF PAVEMENT	PCC	POINT OF COMPOUND CURVATURE	TG	TOP OF GROUND
EX	EXISTING	PI	POINT OF INTERSECTION	TMH	TELEPHONE MANHOLE
FC	FACE OF CURB	PIV	POST INDICATOR VALVE	TOS	TOP OF BANK
F-F	FACE TO FACE OF CURB	PL	PROPERTY LINE	TOS	TOE OF SLOPE
FFE	FINISHED FLOOR ELEVATION	PP	POWER POLE	TP	TOP OF PAVEMENT
FH	FIRE HYDRANT	PRC	POINT OF REVERSE CURVATURE	TPIPE	TOP OF PIPE
FM	FORCE MAIN	PR	PROPOSED	TW	TOP OF WALL
FO	FIBER OPTICS	PT	POINT OF TANGENCY	TYE	TYPICAL
FP	FINISHED PAD	PVC	POLYVINYL CHLORIDE PIPE	UGP	UNDERGROUND ELECTRIC
FPS	FEET PER SECOND	PWMT	PAVEMENT	VCP	VITRIFIED CLAY PIPE
FL	FLOW LINE	OCBW	ON CENTER EACH WAY	W	WATER
FUT	FUTURE	OHE	OVERHEAD ELECTRIC	WV	WATER VALVE
FW	FIRE WATER				

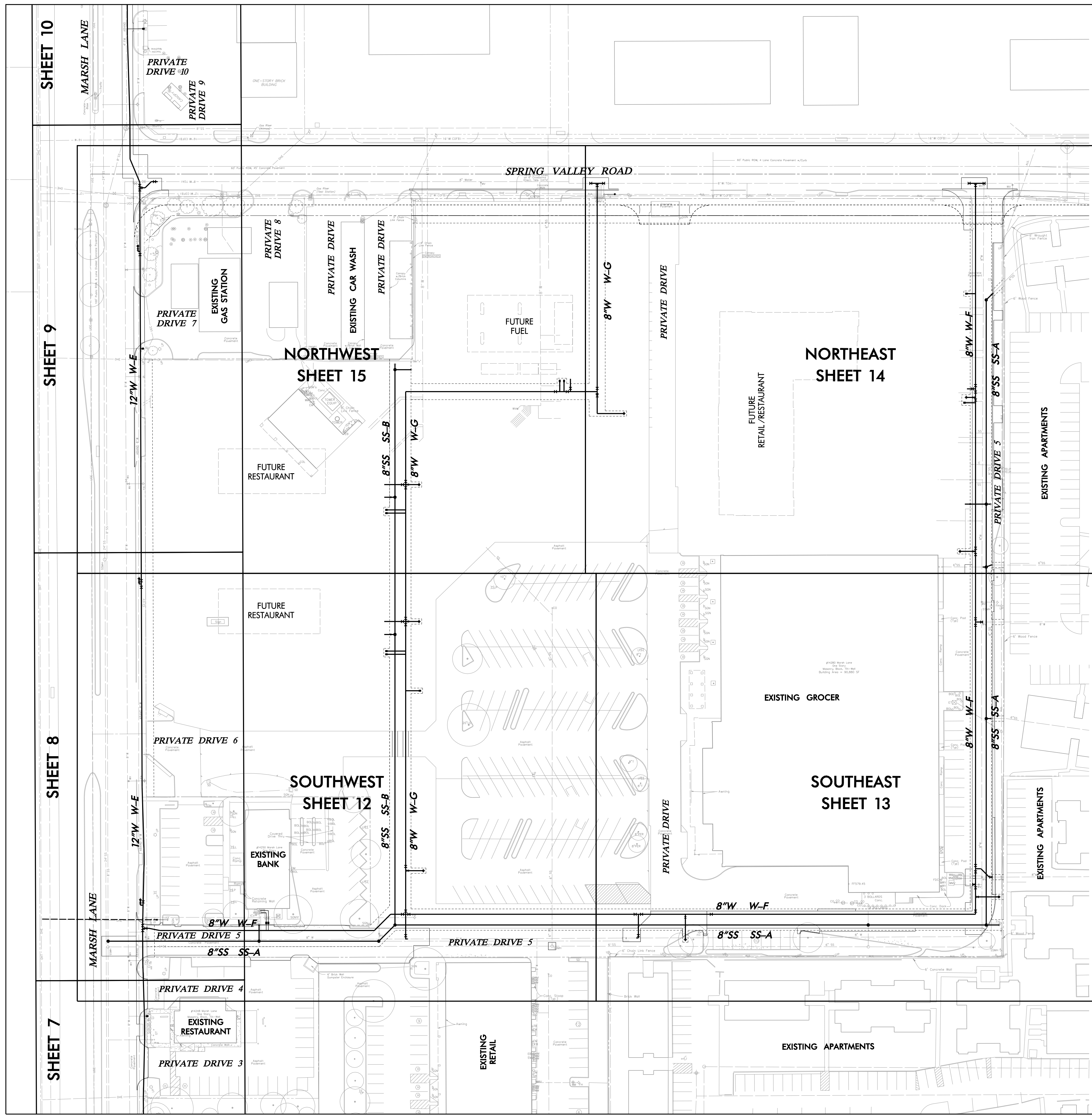
## LEGEND

	EXISTING	PROPOSED	FUTURE		EXISTING	PROPOSED	FUTURE		EXISTING	PROPOSED	FUTURE
PROPERTY LINE			N/A	SANITARY SEWER LINE	8"SS	8"SS	8"SS	ELECTRIC TRANSFORMER	□	□	N/A
BUILDING				SANITARY SEWER MANHOLE	SSMH	●	○	GAS METER	□	□	N/A
FINISH FLOOR ELEVATION	FFE=650.00	FFE=650.00	N/A	CLEANOUT	CO	●	○	GAS LINE	G	G	N/A
SPOT ELEVATION	650.50	650.50	N/A	LIGHT POLE	☆	☆	N/A	AIR CONDITIONING UNIT	⊗	⊗	N/A
CURB				POWER POLE	⊙	⊙	N/A				
ASPHALT PAVEMENT			N/A	DOWN GUY	←	←	N/A				
RIDGE LINE	N/A	RL	N/A	SIGN	+	+	N/A				
SWALE OR VALLEY GUTTER			N/A	ACCESSIBLE PARKING	♿	♿	N/A				
CONTOUR LINE	675	675	674	RETAINING WALL			N/A				
STORM DRAIN	21"SD	21"SD		WOOD FENCE	—○—	—○—	N/A				
STORM DRAIN MANHOLE				SCREEN WALL FENCE	—○—	—○—	N/A				
CURB INLET	CI	■		CHAIN LINK FENCE	—○—	—○—	N/A				
RECESSED CURB INLET	CI	■		WIRE FENCE	××	××	N/A				
GRATE INLET	GI	■	N/A	TREE	⊙	N/A	N/A				
WATER LINE	8"W	8"W	8"W	OVERHEAD WRES	OHW	N/A	N/A				
FIRE HYDRANT		⊙	N/A	OVERHEAD ELECTRIC LINE	OHE	OHE	N/A				
WATER VALVE		⊙	N/A	OVERHEAD TELEPHONE LINE	OHT	OHT	N/A				
WATER METER BOX	□	□	N/A	UNDERGROUND ELECTRIC LINE	UGE	UGE	N/A				
IRRIGATION METER	N/A	□	N/A	UNDERGROUND TELEPHONE LINE	UGT	UGT	N/A				
				UNDERGROUND CABLE LINE	CATV	CATV	N/A				
				ELECTRIC METER	EM	EM	N/A				



NO.		REVISION		BY		DATE	
<b>icon Consulting Engineers, Inc.</b> 2840 W. Southlake Blvd., Suite 110 Civil Engineers - Designers - Planners Southlake, TX 76092 (817) 552-6210 Engineering Firm Registration Number F-9007							
<b>WATER, SS &amp; PAVING IMPROVEMENTS</b>							
<b>VITRUVIAN PARK PUBLIC INFRASTRUCTURE BLOCK 500 A</b>							
<b>TOWN OF ADDISON, TEXAS</b>							
<b>GENERAL CONSTRUCTION NOTES, LEGEND &amp; ABBREVIATIONS</b>							
DESIGN	DRAWN						





- GENERAL WATER & SEWER NOTES:**
- REFER TO SHEET 3 "GENERAL CONSTRUCTION NOTES, LEGEND AND ABBREVIATIONS" FOR THE GENERAL CONSTRUCTION NOTES FOR THIS PROJECT.
  - ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH STANDARD SPECIFICATIONS FOR WATER AND SANITARY SEWER CONSTRUCTION AS PUBLISHED BY NORTH CENTRAL TEXAS COUNCIL OF GOVERNMENTS, AND ANY ALL AMENDMENTS BY THE TOWN OF ADDISON, AS WELL AS STANDARD CONSTRUCTION DETAILS OF THE TOWN OF ADDISON.
  - PRIOR TO COMMENCING CONSTRUCTION, THE TOWN OF ADDISON, THE CONSULTING ENGINEERS, THE SUCCESSFUL CONTRACTOR, UTILITY COMPANIES, AND ANY OTHER AFFECTED PARTIES, SHALL CONVEENE FOR A PRE-CONSTRUCTION CONFERENCE AT LEAST 48 HOURS PRIOR TO THE BEGINNING OF CONSTRUCTION.
  - THE CONTRACTOR SHALL OBTAIN A RIGHT-OF-WAY PERMIT FROM THE TOWN OF ADDISON PRIOR TO WORKING WITHIN THE PUBLIC RIGHT-OF-WAY.
  - 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 FOLLOWING:  
TOWN OF ADDISON (WATER, SEWER, SIGNALS)    ATMOS ENERGY (GAS)  
ONCOR ELECTRIC DELIVERY    VERIZON / MCI  
AT&T (SOUTHWESTERN BELL)    TIME-WARNER CABLE  
CHARTER CABLE
  - THE CONTRACTOR SHALL PROVIDE SUBMITTALS TO THE ENGINEER (FIVE SETS EACH), FOR APPROVAL OF ALL MATERIALS TO BE ADDED TO THE PUBLIC INFRASTRUCTURE, PRIOR TO INCORPORATING MATERIALS INTO THE JOB.
  - THE CONTRACTOR SHALL PROVIDE AND SUBMIT TO THE TOWN OF ADDISON (FOUR SETS EACH), AN APPROVED TRENCH SAFETY PLAN, SEALED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF TEXAS, FOR THE INSTALLATION OF UTILITIES GREATER THAN FIVE (5) FEET DEPTH.
  - 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.
  - 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.
  - THE TOWN OF ADDISON INFRASTRUCTURE DEPARTMENT WILL APPROVE AND/OR DETERMINE THE TRAFFIC CONTROL PLAN AND WORKING HOURS. CONTACT THE CITY ENGINEER OR THE INFRASTRUCTURE 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 FLAGGING, SIGNAGE, STRIPING AND WARNING DEVICES, ETC., DURING CONSTRUCTION IN ACCORDANCE WITH THE "TEXAS MANUAL OF UNIFORM CONTROL DEVICES". THE CONTRACTOR SHALL MAINTAIN AT LEAST ONE LANE OF TRAFFIC IN EACH DIRECTION DURING WORKING HOURS OR PROVIDE A FULL-WIDTH DETOUR AROUND THE CONSTRUCTION SITE, INCLUDING PUBLIC NOTIFICATION, SIGNING AND ACCESSIBLE PEDESTRIAN ROUTES.
  - TEMPORARY OR PERMANENT BARRICADES SHALL REMAIN AT ALL POINTS OF INGRESS OR EGRESS TO PREVENT PUBLIC USE UNTIL THE WORK RECEIVES FINAL ACCEPTANCE.
  - THE CONTRACTOR SHALL COVER ALL OPEN EXCAVATIONS WITH ANCHORED STEEL PLATING, DURING NON-WORKING HOURS, ALONG EXISTING ROADWAYS AND TRAFFIC AREAS.
  - THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ADEQUATE DRAINAGE AT ALL TIMES DURING CONSTRUCTION, INCLUDING PROVIDING ALL TEMPORARY STRUCTURES OR IMPROVEMENTS AS NECESSARY FOR THE SAFETY OF THE PUBLIC.
  - 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 CONTRACTOR'S EXPENSE.
  - ROUGH GRADING SHALL BE COMPLETED PRIOR TO CONSTRUCTION OF WATER AND SANITARY SEWER FACILITIES.
  - THE CONTRACTOR SHALL MAKE NECESSARY PROVISIONS FOR THE SUPPORT AND PROTECTION OF ALL UTILITY POLES, FEWES, 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.
  - 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 LINES AND STORM DRAIN OR SANITARY SEWER PIPING, THE CONTRACTOR SHALL ADJUST THE WATER LINE DOWNWARDS IN SUCH A MANNER SO THAT THE PIPE MANUFACTURER'S RECOMMENDATIONS ON PIPE DEFLECTION AND JOINT STRESS ARE NOT EXCEEDED.
  - THE CONTRACTOR SHALL VERIFY THE SIZE, TYPE, ELEVATION, CONFIGURATION, AND ANGLULATION OF EXISTING WATER, SANITARY SEWER AND UTILITY LINES PRIOR TO CONSTRUCTION OF TIE-IN MATERIALS. THE CONTRACTOR SHALL ASSUME RESPONSIBILITY FOR REPAIRS TO EXISTING FACILITIES DAMAGED BY HIS ACTIVITIES.
  - ALL WATER MAIN MATERIALS AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE TOWN OF ADDISON'S WATER SYSTEM REQUIREMENTS.
  - ALL WATER MAINS TWELVE-INCH (12") DIAMETER AND SMALLER SHALL BE ANSI / AWWA C-900 PVC PRESSURE PIPE WITH CAST IRON O.D. EXCEPT WHEN A) WATER PIPE PENETRATES METER VAULT WALLS AND B) SPECIFIC WATER PIPE CROSSINGS AS REFERENCED ON WATER PROFILE SHEETS, IN WHICH CASES THE WATER PIPE SHALL BE CLASS 51 DUCTILE IRON, POLYETHYLENE WRAPPED. PIPE JOINTS SHALL BE RUBBER RING AND INTEGRAL THICKENED BELL, ASSEMBLED WITH A FACTOR OF SAFETY OF 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.
  - EMBEDMENT FOR WATER MAINS 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.
  - THE MINIMUM COVER TO THE TOP OF THE PIPE MUST VARY WITH THE VALVE STEM. IN GENERAL, THE MINIMUM COVER BELOW THE TOP OF CURB AT STREET TO TOP OF THE PIPE SHOULD BE AS FOLLOWS:  
A. LINES LARGER THAN SIXTEEN-INCH (16") SHALL HAVE A MINIMUM OF SIX FEET (6') OF COVER WHICH IS SUFFICIENT TO ALLOW WATER AND SEWER AND OTHER UTILITIES TO GO OVER THE LARGE MAIN.  
B. TWELVE-INCH (12") AND SIXTEEN-INCH (16") MAINS SHALL HAVE A MINIMUM COVER OF FIVE FEET (5').  
C. EIGHT-INCH (8") AND SMALLER MAINS SHALL HAVE A MINIMUM COVER OF FOUR FEET (4').
  - 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.
  - ALL VALVES, DUCTILE IRON FITTINGS AND SPECIALS SHALL BE POLYETHYLENE WRAPPED.
  - HORIZONTAL BLOCKING FOR WATER LINES HAS BEEN OMITTED FOR CLARITY, HOWEVER, BLOCKING SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE GOVERNING AUTHORITIES' STANDARD DETAILS.
  - 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.
  - 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.
  - 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.
  - TRACER WIRE SHALL BE PLACED ON PIPE PRIOR TO EMBEDMENT. WIRE SHALL BE #12 PLASTIC COATED COPPER WIRE, TIED TO ALL VALVES AND FIRE HYDRANTS, AND EXTENDING TO SIX (6) INCHES ABOVE FINISHED GRADE ALONG THE OUTSIDE OF ALL VALVE STACKS AND HYDRANTS.
  - 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.
  - NO PERSON SHALL OPEN, TURN OFF, INTERFERE WITH, ATTACH ANY HOSE TO, OR TAP ANY WATER MAIN BELONGING TO THE TOWN OF ADDISON.
  - THE CONTRACTOR WILL REMOVE EXISTING WATER METERS NOT USED FOR PROPOSED DEVELOPMENT. REMOVE METERS AND METER LIDS IN A WAY AS TO NOT DAMAGE THE METER OR LID AND DELIVER SALVAGED METERS TO THE TOWN OF ADDISON. CONTRACTOR SHALL KILL EXISTING DEADHEAD SERVICE FOR REMOVED METERS AT THE MAIN LINE.
  - IN THE AREAS INDICATED ON THE PLANS, THE CONTRACTOR SHALL COMPLETELY REMOVE AND DISPOSE OF THE EXISTING 8" WATER MAIN ALONG MARSH LANE AFTER FINAL COMPLETION AND ACCEPTANCE OF NEW 12" WATER MAIN.
  - THE CONTRACTOR SHALL REPLACE EXISTING SERVICE LINES, DESIGNATED TO REMAIN, FROM EXISTING METERS TO NEW WATER MAIN WITH NEW COPPER (TYPE K ONLY) OR POLY LINES. NEW SERVICES TO BE THE SAME SIZE AS EXISTING, WITH A MINIMUM OF 3/4" DIAMETER. NO 1.5" SERVICES ARE ALLOWED.
  - AT ALL WATER & WASTEWATER MAIN CROSSINGS, THE PIPE SEGMENT OF EACH MAIN SHALL BE CENTERED AT THE CROSSING SUCH THAT THE JOINTS OF THE PIPES ARE EQUIDISTANT AND AT LEAST NINE FEET HORIZONTALLY FROM THE CENTERLINE OF THE CROSSING.
  - 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.
  - EMBEDMENT FOR WASTEWATER MAINS SHALL COMPLY WITH NCTCOG CLASS "B+" EMBEDMENT OR, IF INDICATED ON THE PLANS, CEMENT STABILIZED SAND EMBEDMENT PER THE TOWN OF ADDISON STANDARD DETAILS.
  - ALL SEWER MANHOLES WITH PRESSURE TYPE FRAME AND COVERS SHALL HAVE THE INTERIOR SURFACE COATED WITH AN EPOXY COATING (PAVEN 405 OR APPROVED EQUAL), MINIMUM 1/8" THICKNESS, INSTALLED PER MANUFACTURER'S SPECIFICATIONS.
  - ALL EXISTING AND PROPOSED IMPROVEMENTS (VALVES, MANHOLES, FIRE HYDRANTS, WATER METERS, ETC.) SHALL BE ADJUSTED TO FINAL FINISHED GRADE BY THE CONTRACTOR.
  - THE CONTRACTOR SHALL STAMP A 2-INCH "W" AND A 2-INCH "S" IN THE CURB AT THE LOCATION OF THE WATER AND SEWER SERVICE LINES RESPECTIVELY. A 2-INCH "C" SHALL MARK CONDUITS CROSSING PAVEMENT, AND A 2-INCH "V" SHALL MARK WATER VALVES, WITH THE "POINT" OF THE "V" TOWARD THE VALVE.
  - WATERLINES SHALL BE TESTED BOTH BACTERIOLOGICALLY AND HYDROSTATICALLY. WATER MAINS SHALL BE HYDROSTATICALLY 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 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.
  - ALL WASTEWATER MAINS SHALL BE CAMERA INSPECTED BY THE CONTRACTOR AFTER THE INSTALLATION OF ALL UTILITIES AND PRIOR TO FINAL ACCEPTANCE OF NEW WASTEWATER FACILITIES.
  - THE CONTRACTOR SHALL PROVIDE VERIFICATION OF COMPLETION AND COMPLIANCE OF ALL REQUIRED TESTS (PRESSURE, BACTERIOLOGICAL, BACKFLOW, VACUUM, MANDREL, VIS VIDEO OF SANITARY SEWER, ETC.) TO THE TOWN OF ADDISON.
  - THE CONTRACTOR SHALL CALL (972) 450-2847 TO REQUEST A FINAL WALK-THROUGH INSPECTION OF THE PUBLIC INFRASTRUCTURE WORK.
  - ANY ADJACENT PROPERTIES AFFECTED BY THE CONSTRUCTION SHALL BE RESTORED TO PRE-CONSTRUCTION CONDITIONS, OR BETTER.
  - BLUE REFLECTORIZED BUTTONS ARE TO BE INSTALLED IN THE CENTER OF THE DRIVE LANE NEAREST THE OUTSIDE CURB OPPOSITE ALL FIRE HYDRANTS.
  - ANY WATER OR SEWER LINES ABANDONED AND NOT REMOVED SHALL BE GROUT FILLED.

**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 = 573.00  
TOWN OF ADDISON MONUMENT NO. 1 BEING A DISK SET IN CONCRETE ON THE NORTH SIDE OF SPRING VALLEY ROAD, APPROX. 147 FEET EAST OF THE CENTERLINE OF MARSH LANE.

BM #2 REF. ELEVATION = 559.47  
SQUARE CUT IN TOP OF CURB, SOUTH MEDIAN END NOSE, MARSH LANE 1127' NORTH OF VITRUVIAN WAY.

NORTH

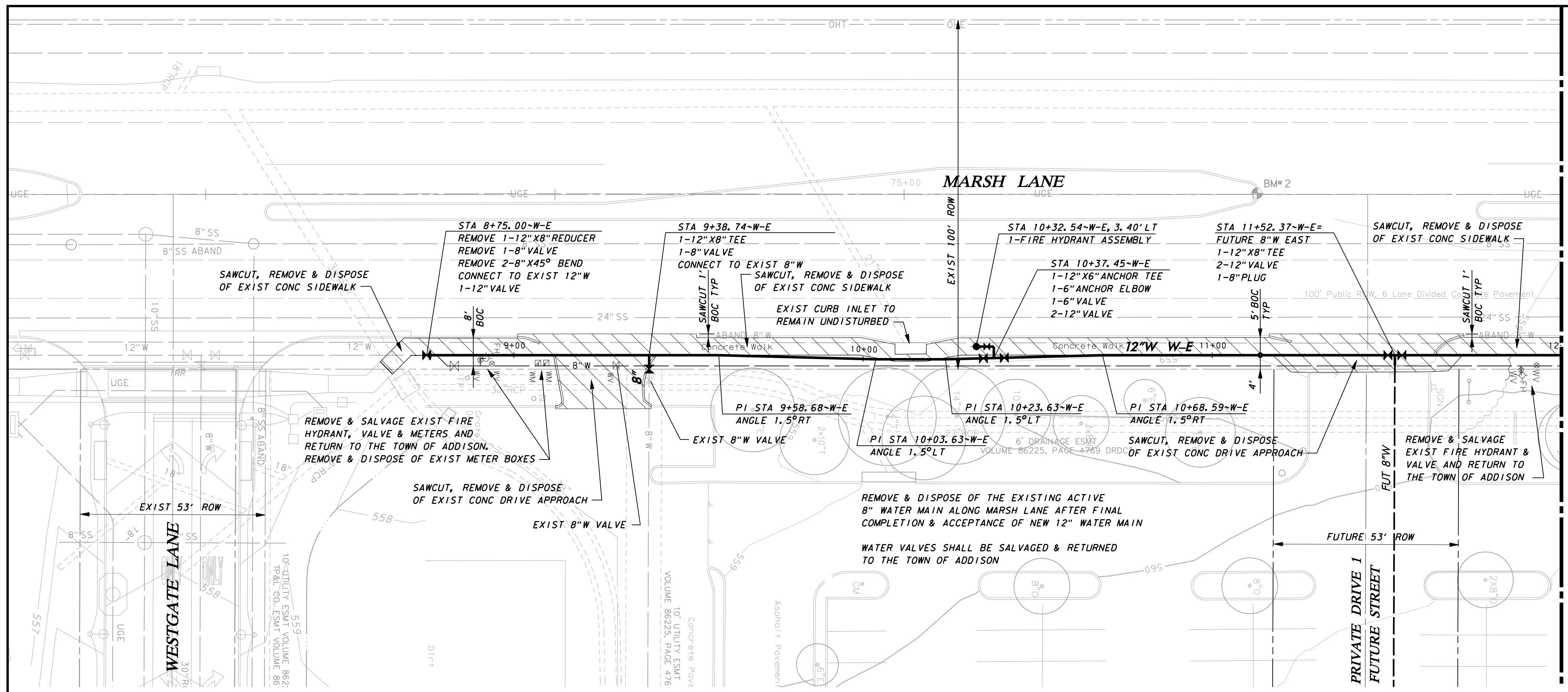
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Civil Engineers - Designers - Planners Southlake, TX 76092 (817) 552-6210  
Engineering Firm Registration Number F-9007

**WATER, SS & PAVING IMPROVEMENTS**  
**VITRUVIAN PARK PUBLIC INFRASTRUCTURE BLOCK 500 A**  
**TOWN OF ADDISON, TEXAS**  
**OVERALL WATER & SANITARY SEWER LAYOUT - SHOPPING CENTER**

DESIGN	DRAWN	DATE	SCALE	NOTES	Sheet No.
ICE	ICE	JAN 22, 2020	AS NOTED		<b>5</b>

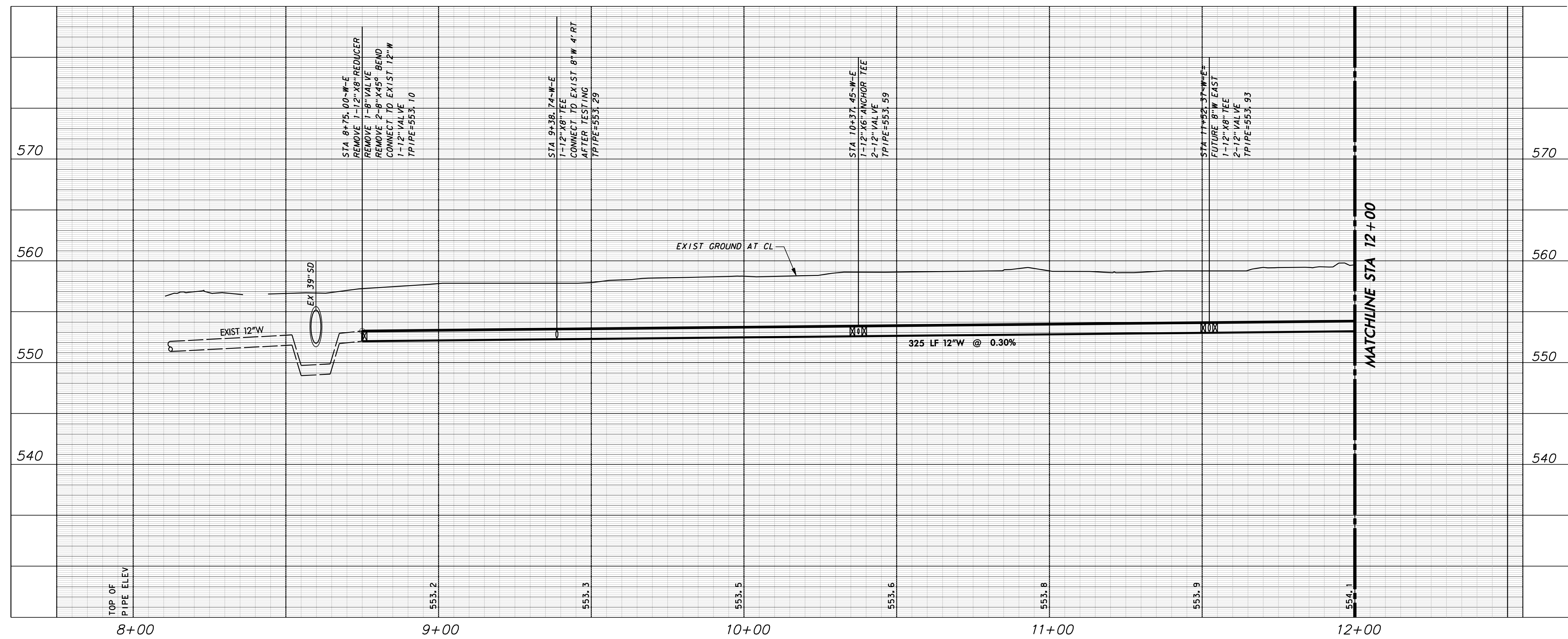
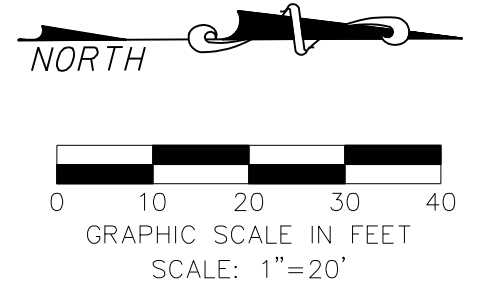
VITRUVIAN PARK BLOCK 500 A PUBLIC INFRASTRUCTURE - PROJECT NO. 5029-05



MATCHLINE STA 12+00

**LEGEND**

REMOVE & DISPOSE OF EXISTING PAVEMENT



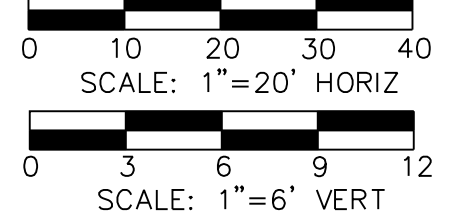
**WARNING**

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 = 573.00  
TOWN OF ADDISON MONUMENT NO. 1 BEING A DISK SET IN CONCRETE ON THE NORTH SIDE OF SPRING VALLEY ROAD, APPROX. 147 FEET EAST OF THE CENTERLINE OF MARSH LANE.

BM #2 REF. ELEVATION = 559.47  
SQUARE CUT IN TOP OF CURB, SOUTH MEDIAN END NOSE, MARSH LANE 1127' NORTH OF VITRUVIAN WAY.

PROFILE SCALE:



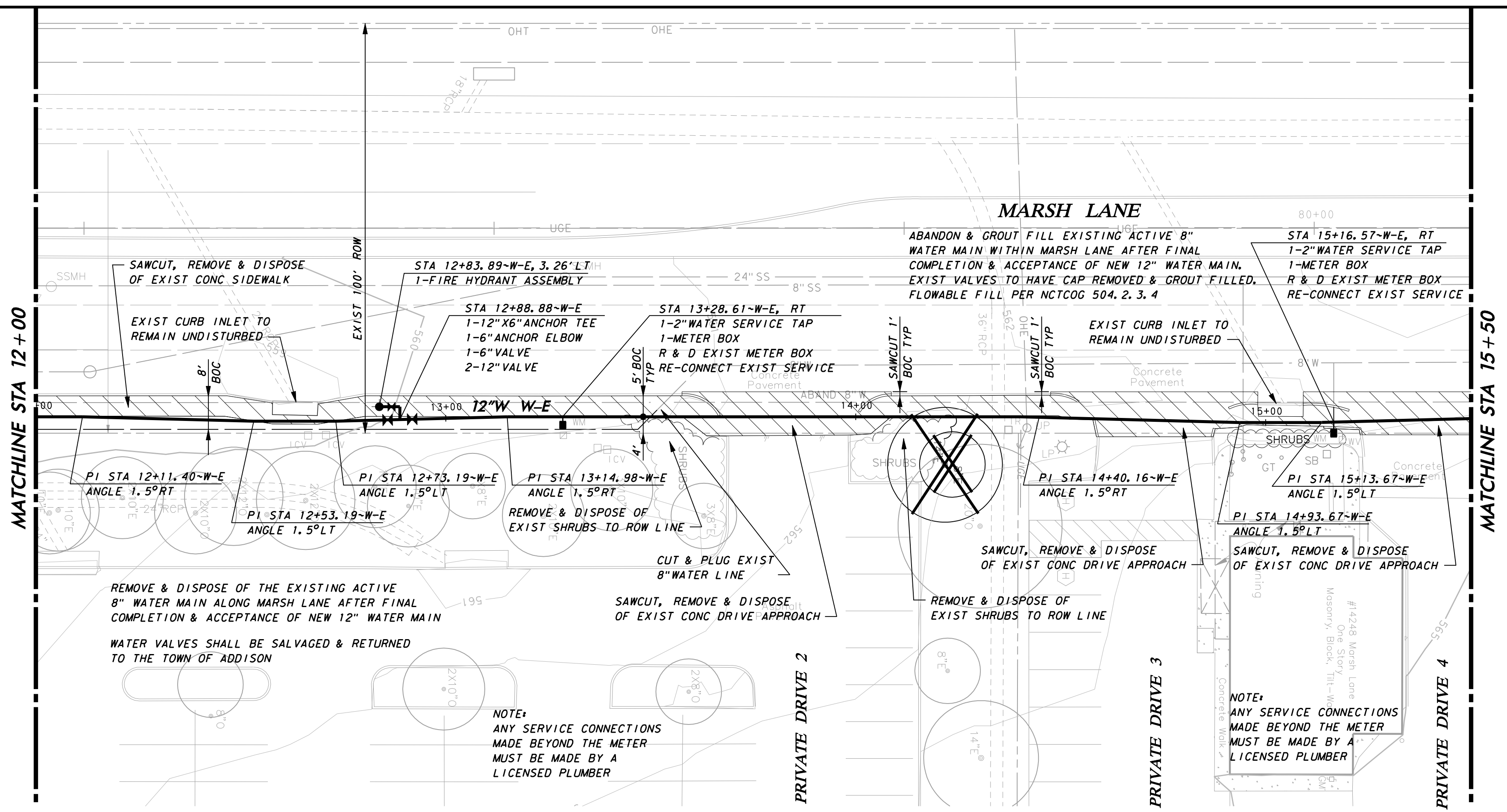
NO.	REVISION	BY	DATE

**icon Consulting Engineers, Inc.** 2840 W. Southlake Blvd., Suite 110  
Civil Engineers - Designers - Planners Southlake, Tx 76092 (817) 552-6210  
Engineering Firm Registration Number F-9007

**WATER, SS & PAVING IMPROVEMENTS**  
VITRUVIAN PARK PUBLIC INFRASTRUCTURE BLOCK 500 A  
TOWN OF ADDISON, TEXAS  
**WATER PLAN & PROFILE**  
**LINE E - STA 8+75.00 TO 12+00**

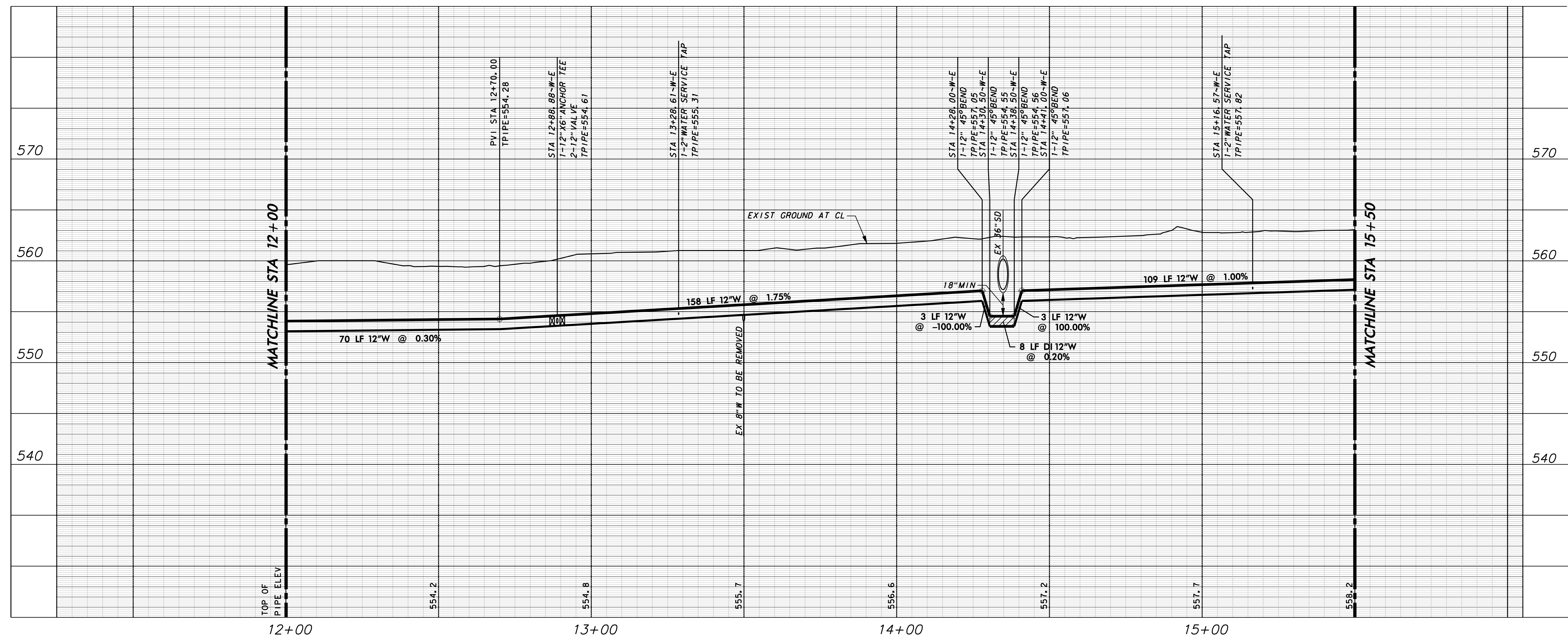
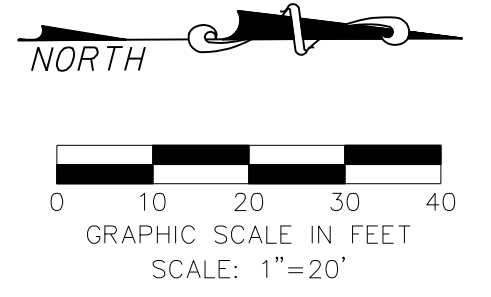
DESIGN	DRAWN	DATE	SCALE	NOTES	Sheet No.
ICE	ICE	JAN 22, 2020	AS NOTED		<b>6</b>

VITRUVIAN PARK BLOCK 500 A PUBLIC INFRASTRUCTURE - PROJECT NO. 5029-05



**LEGEND**

- REMOVE & DISPOSE OF EXISTING PAVEMENT
- REMOVE & DISPOSE OF EXISTING TREE

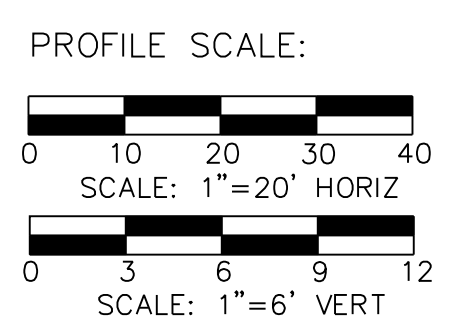


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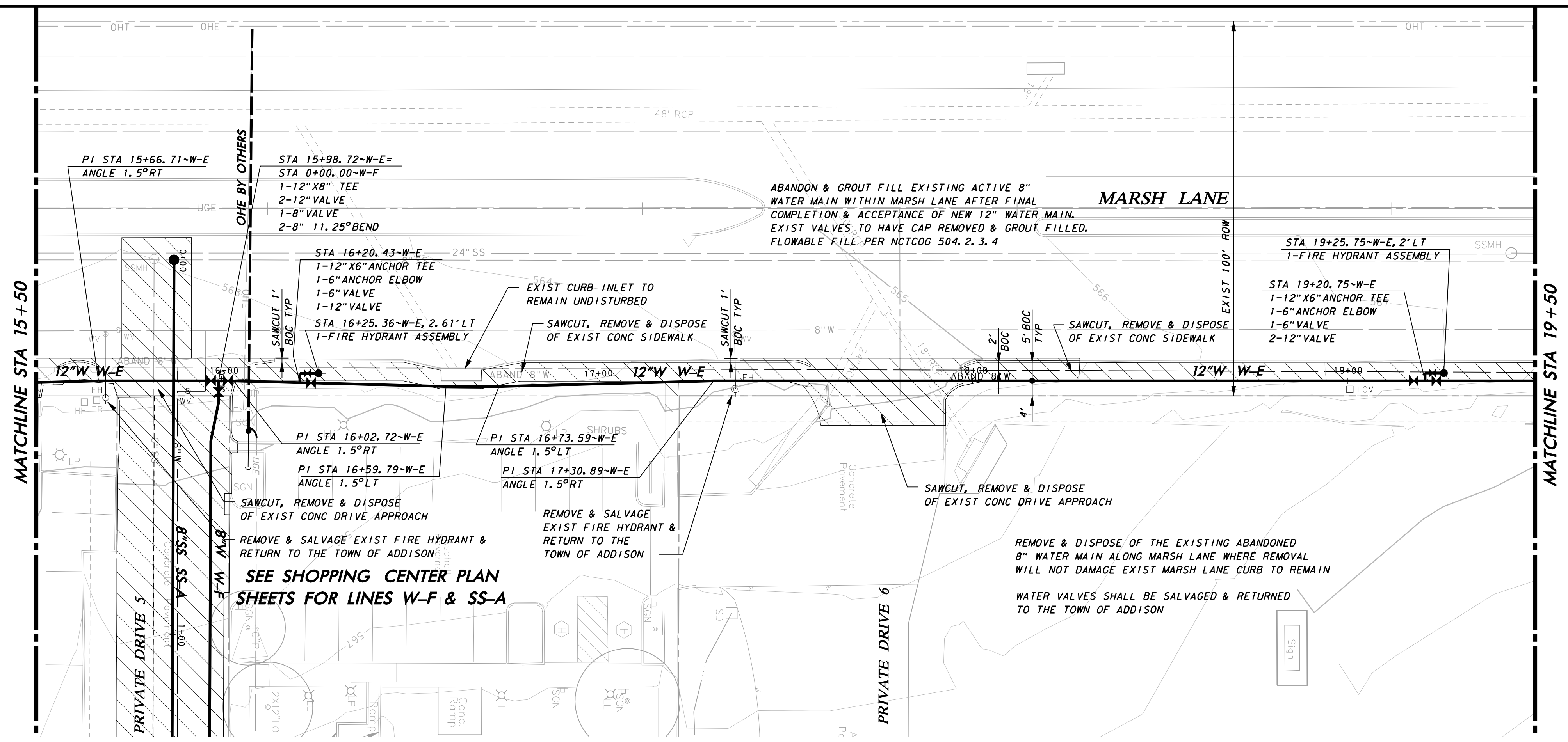
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Engineering Firm Registration Number F-9007

**WATER, SS & PAVING IMPROVEMENTS**  
VITRUVIAN PARK PUBLIC INFRASTRUCTURE BLOCK 500 A  
TOWN OF ADDISON, TEXAS

**WATER PLAN & PROFILE**  
**LINE E - STA 12+00 TO 15+50**

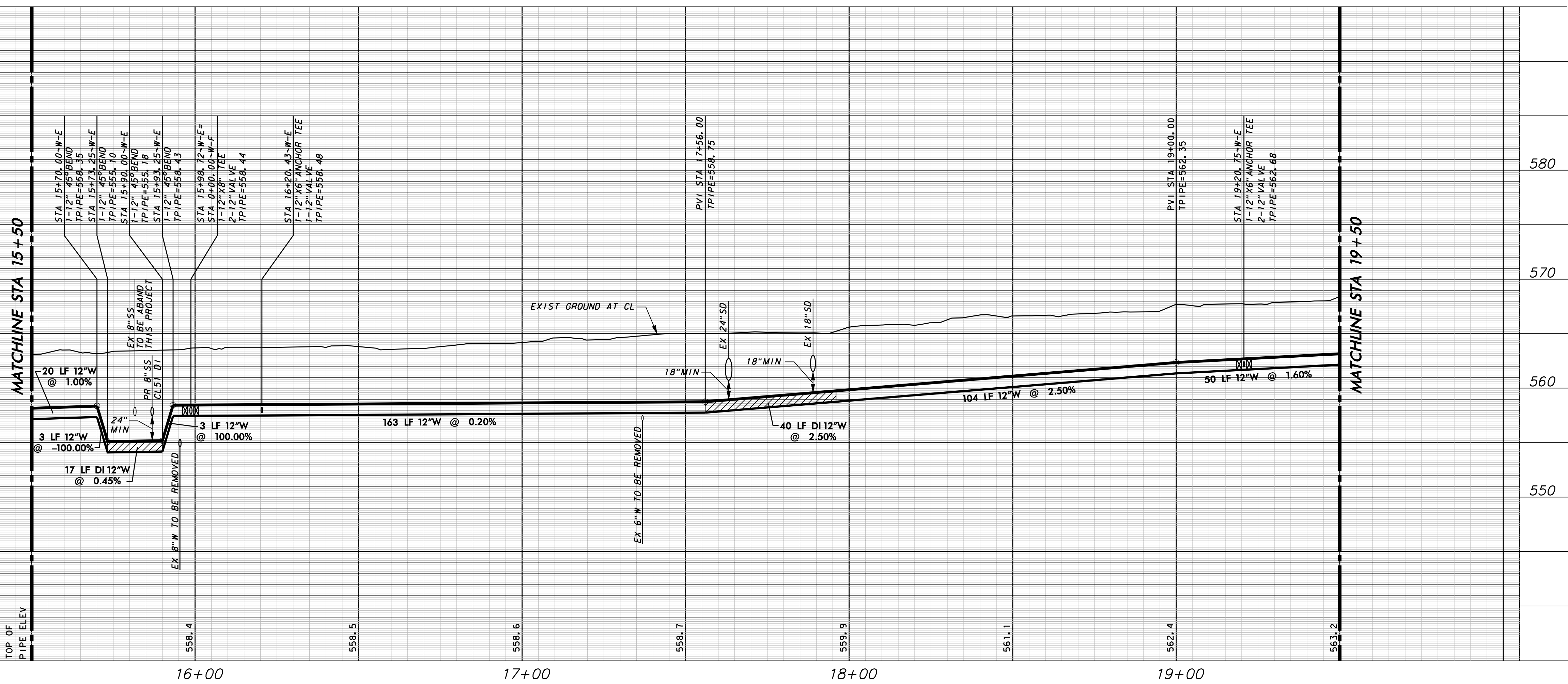
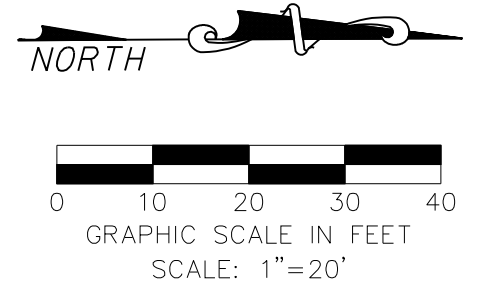
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ICE	ICE	JAN 22, 2020	AS NOTED		<b>7</b>

VITRUVIAN PARK BLOCK 500 A PUBLIC INFRASTRUCTURE - PROJECT NO. 5029-05



**LEGEND**

REMOVE & DISPOSE OF EXISTING PAVEMENT

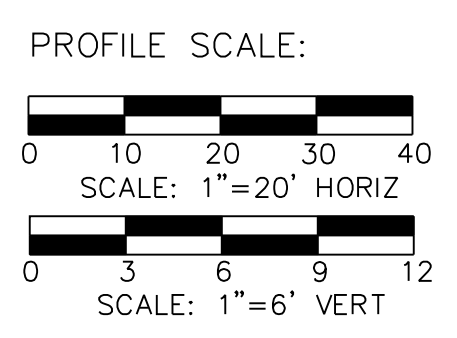


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Engineering Firm Registration Number F-9007

**WATER, SS & PAVING IMPROVEMENTS**  
**VITRUVIAN PARK PUBLIC INFRASTRUCTURE BLOCK 500 A**  
**TOWN OF ADDISON, TEXAS**

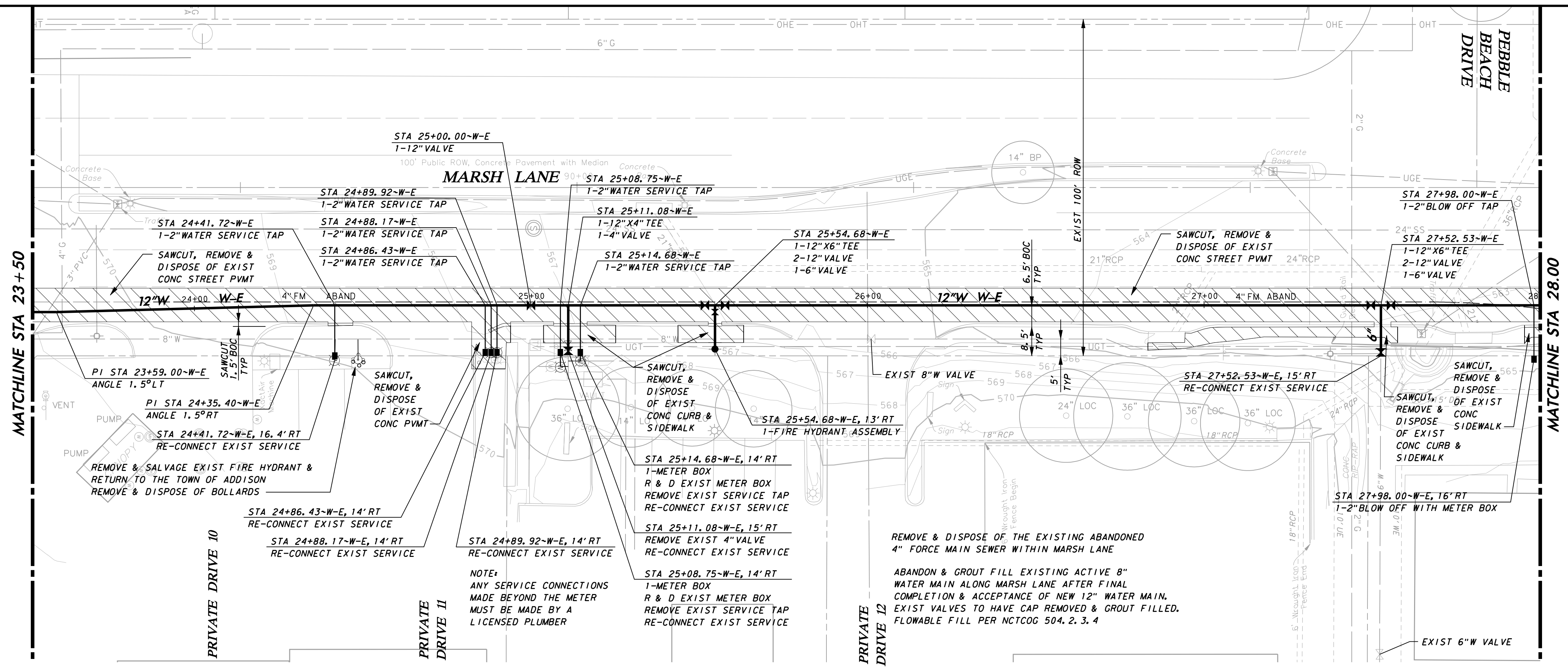
**WATER PLAN & PROFILE**  
**LINE E - STA 15+50 TO 19+50**

DESIGN	DRAWN	DATE	SCALE	NOTES	Sheet No.
ICE	ICE	JAN 22, 2020	AS NOTED		<b>8</b>

VITRUVIAN PARK BLOCK 500 A PUBLIC INFRASTRUCTURE - PROJECT NO. 5029-05

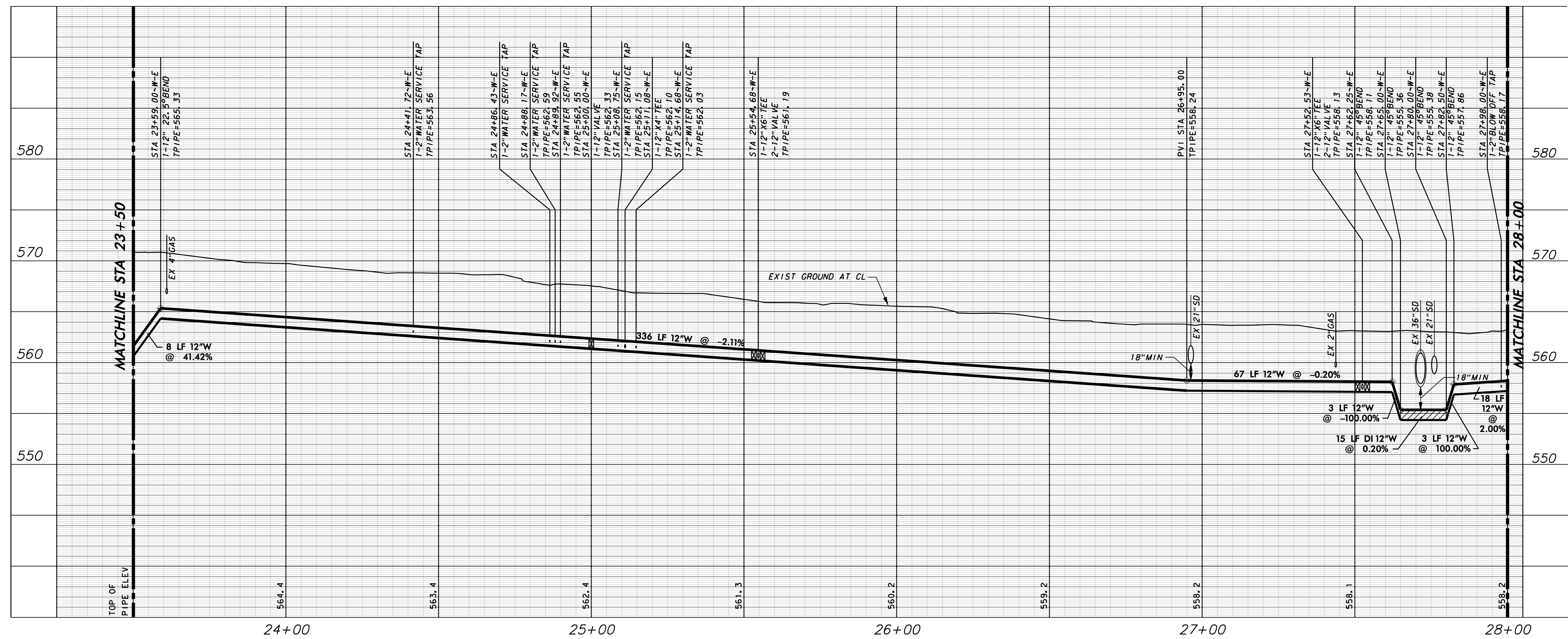
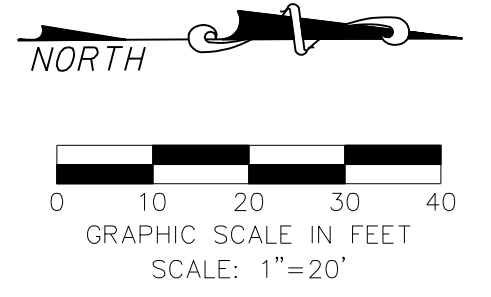






**LEGEND**

REMOVE & DISPOSE OF EXISTING PAVEMENT



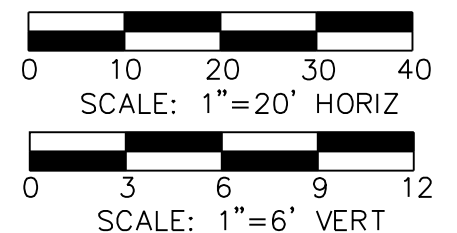
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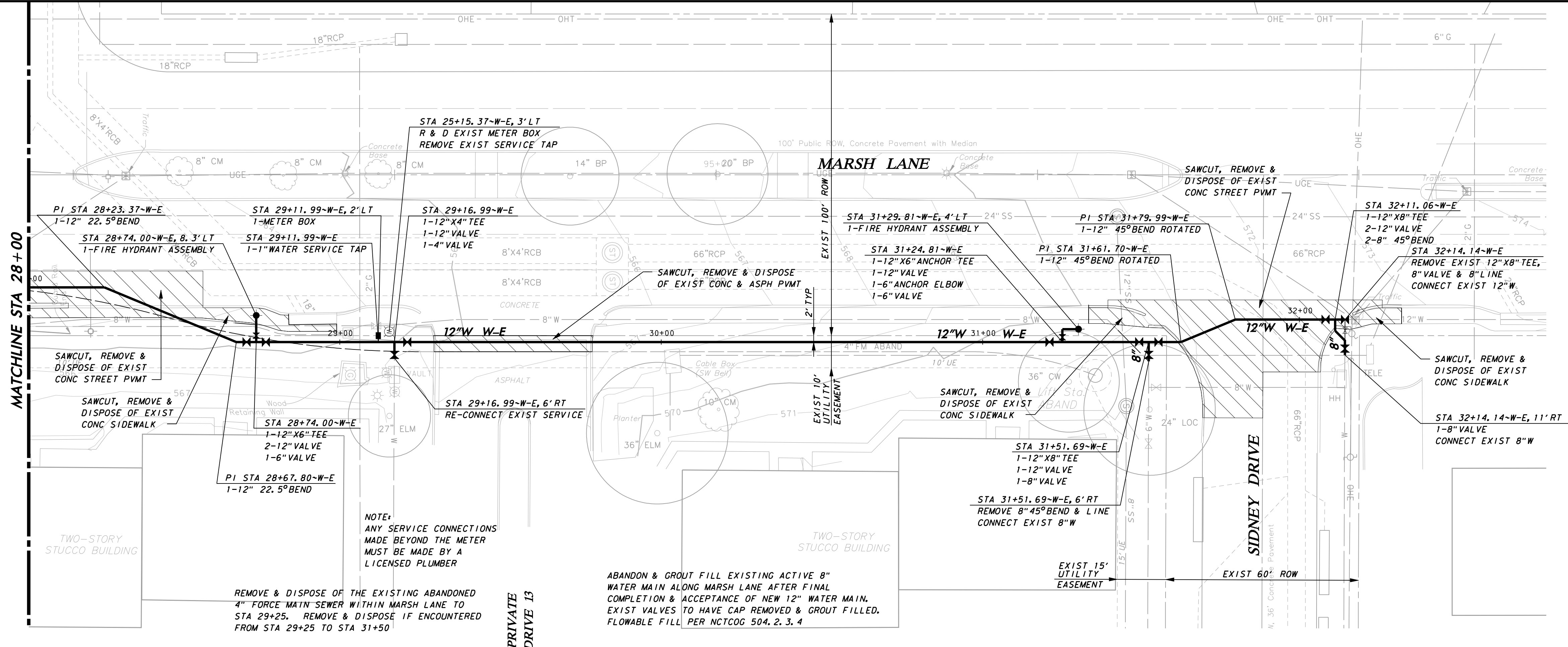
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**WATER, SS & PAVING IMPROVEMENTS**  
VITRUVIAN PARK PUBLIC INFRASTRUCTURE BLOCK 500 A  
TOWN OF ADDISON, TEXAS  
**WATER PLAN & PROFILE**  
**LINE E - STA 23+50 TO 28+00**

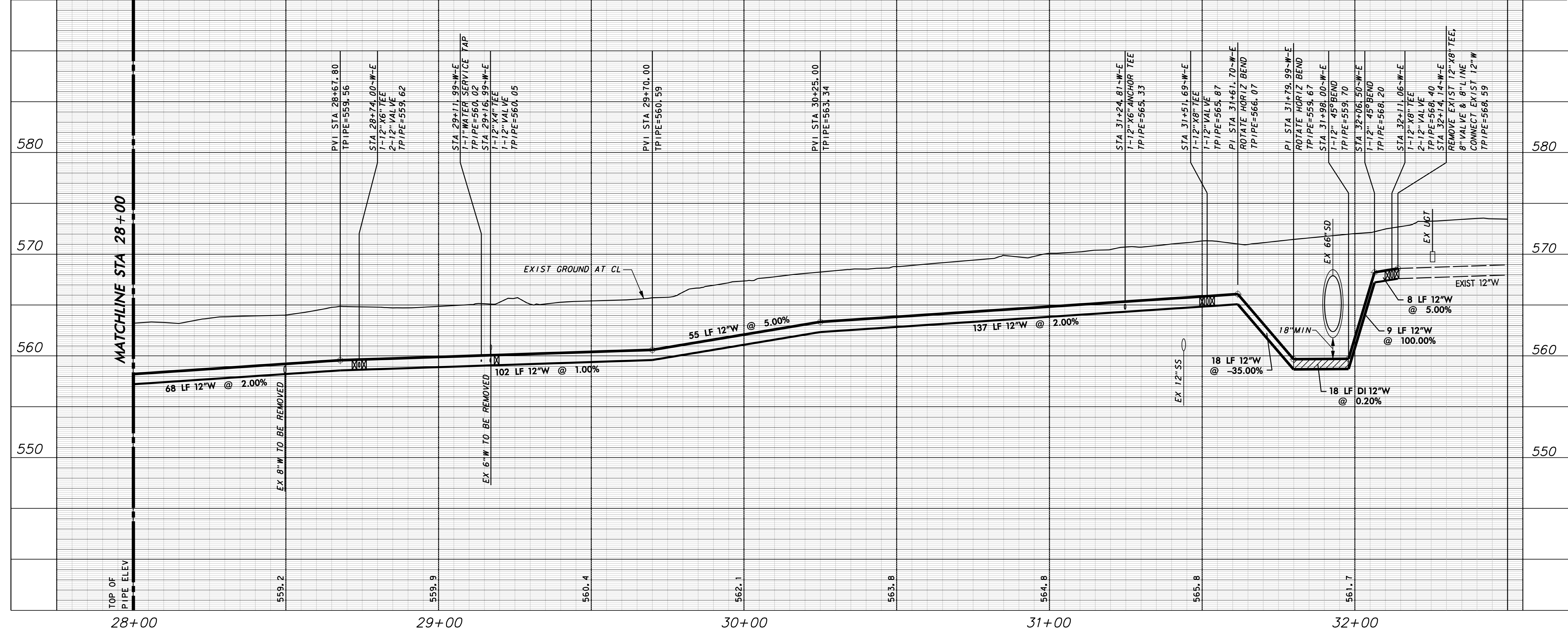
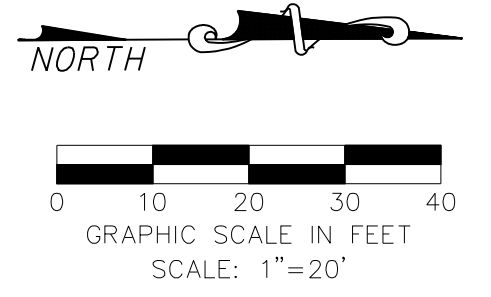
DESIGN	DRAWN	DATE	SCALE	NOTES	Sheet No.
ICE	ICE	JAN 22, 2020	AS NOTED		10

VITRUVIAN PARK BLOCK 500 A PUBLIC INFRASTRUCTURE - PROJECT NO. 5029-05



**LEGEND**

REMOVE & DISPOSE OF EXISTING PAVEMENT



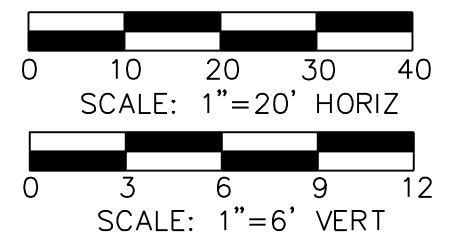
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PROFILE SCALE:



NO.	REVISION	BY	DATE

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**WATER, SS & PAVING IMPROVEMENTS**  
**VITRUVIAN PARK PUBLIC INFRASTRUCTURE BLOCK 500 A**  
**TOWN OF ADDISON, TEXAS**  
**WATER PLAN & PROFILE**  
**LINE E - STA 28+00 TO 32+14.29**

DESIGN	DRAWN	DATE	SCALE	NOTES	Sheet No.
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VITRUVIAN PARK BLOCK 500 A PUBLIC INFRASTRUCTURE - PROJECT NO. 5029-05



MATCHLINE NORTHEAST

SANITARY SEWER PROFILES ON SEPARATE SHEETS

#14280 Marsh Lane One Story Masonry, Block, Tilt-Wall Building Area = 90,880 SF

SAWCUT, REMOVE & DISPOSE OF EXIST CONC PAVEMENT

EXIST SS MH TO BE ABANDONED

REMOVE & SALVAGE EXIST FIRE HYDRANT RETURN TO THE TOWN OF ADDISON

EXIST SS MH TO BE ABANDONED

REMOVE & SALVAGE EXIST VALVES RETURN TO THE TOWN OF ADDISON

STA 10+57.99-W-F, 6.7' RT 1-8" VALVE

6" W CONNECT TO EXIST 8" W

20' Utility Easement Vol. 98221, Pg. 20, D.R.D.C.T. TO BE RELEASED

5 LF 6"SS @ 1.25% MIN

STA 10+20.00-SS-A, 5' RT 1-LATERAL CLEANOUT CONNECT TO EXIST 6"SS FL=572.84 (FIELD VERIFY BEFORE SS CONSTRUCTION)

REMOVE & DISPOSE OF THE EXISTING 8" WATER MAIN WITHIN PRIVATE DRIVE WHERE CONFLICTS WITH NEW SANITARY SEWER LINE. GROUT FILL ABANDONED WATER LINE. ABANDON & GROUT FILL EXISTING ACTIVE 6" SANITARY SEWER LINE WITHIN PRIVATE DRIVE LANE AFTER FINAL COMPLETION & ACCEPTANCE OF NEW 8" SANITARY SEWER LINE. FLOWABLE FILL PER NCTCOG 504.2.3.4

LEGEND

REMOVE & DISPOSE OF EXISTING PAVEMENT

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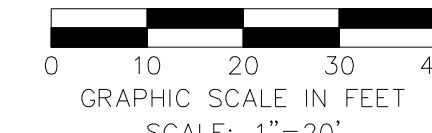


Table with columns: NO., REVISION, BY, DATE

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WATER, SS & PAVING IMPROVEMENTS VITRUVIAN PARK PUBLIC INFRASTRUCTURE BLOCK 500 A TOWN OF ADDISON, TEXAS WATER & SANITARY SEWER PLAN SHOPPING CENTER SOUTHEAST

Table with columns: DESIGN, DRAWN, DATE, SCALE, NOTES, Sheet No. Values: ICE, ICE, JAN 22, 2020, AS NOTED, 13

MATCHLINE SOUTHWEST

PRIVATE DRIVE

PRIVATE DRIVE 5

STA 4+69.58-W-F 1-8" X 8" TEE 2-8" VALVE

STA 5+13.51-W-F 1-8" VALVE 1-6" VALVE

STA 5+37.71-W-F END W-F PHASE 1 1-8" VALVE 1-8" PLUG

STA 5+70.00-SS-A END SS-A PHASE 1 1-8" PLUG

SAWCUT, REMOVE & DISPOSE OF EXIST CONC PAVEMENT

STA 8+27.34-W-F 1-8" X 8" TEE 2-8" VALVE 2-8" 45° BEND

STA 8+20.53-W-F 1-2" SERVICE TAP CONNECT TO EXIST 2" W

STA 8+18.32-W-F 1-2" SERVICE TAP CONNECT TO EXIST 2" W

STA 8+12.54-W-F 1-8" X 8" TEE 2-8" VALVE CONNECT TO EXIST 8" W

STA 8+00.99-W-F 1-8" X 6" TEE 1-6" VALVE

STA 8+19.50-W-F, 14.4' RT 1-8" VALVE CONNECT TO EXIST 8" W

REMOVE & SALVAGE EXIST VALVES RETURN TO THE TOWN OF ADDISON

STA 8+00.99-W-F, 21.9' RT 1-FIRE HYDRANT ASSEMBLY

REMOVE & SALVAGE EXIST FIRE HYDRANT RETURN TO THE TOWN OF ADDISON

STA 8+27.01-SS-A, 12' RT 1-LATERAL CLEANOUT END & PLUG 8" SS FL=570.08

PRIVATE DRIVE 5 6" SS

STA 4+69.58-W-F, 20' RT 1-8" VALVE CONNECT TO EXIST 8" W WEST 1-8" 90° BEND CUT & PLUG EAST

SANITARY SEWER PROFILES ON SEPARATE SHEETS

ABANDON & GROUT FILL EXISTING ACTIVE 6" SANITARY SEWER LINE WITHIN PRIVATE DRIVE LANE AFTER FINAL COMPLETION & ACCEPTANCE OF NEW 8" SANITARY SEWER LINE. FLOWABLE FILL PER NCTCOG 504.2.3.4

ABANDON & GROUT FILL EXISTING ACTIVE 8" WATER MAIN WITHIN PRIVATE DRIVE AFTER FINAL COMPLETION & ACCEPTANCE OF NEW 8" WATER MAIN. EXIST VALVES TO HAVE CAP REMOVED & GROUT FILLED. FLOWABLE FILL PER NCTCOG 504.2.3.4

20' Utility Easement Vol. 98221, Pg. 20, D.R.D.C.T. TO BE RELEASED

STA 7+16.70-SS-A CONST STD 4" DIA SSMH CONNECT EXIST 6" SS SERVICE CUT & PLUG SERVICE SOUTH 12" MIN CEMENT STABILIZED SAND BACKFILL ON WATER LINE SIDE

STA 7+84.72-W-F 1-8" 90° BEND 1-8" VALVE

12 LF 8" SS RT

12 LF 8" SS @ 1.00%

EXIST SS MH TO BE ABANDONED

6" Concrete Wall

Brick Wall

Concrete Pavement

Concrete Pavement

Concrete Pavement

Concrete Pavement

Concrete Pavement

Concrete Pavement

Concrete Pavement

Concrete Pavement

Concrete Pavement

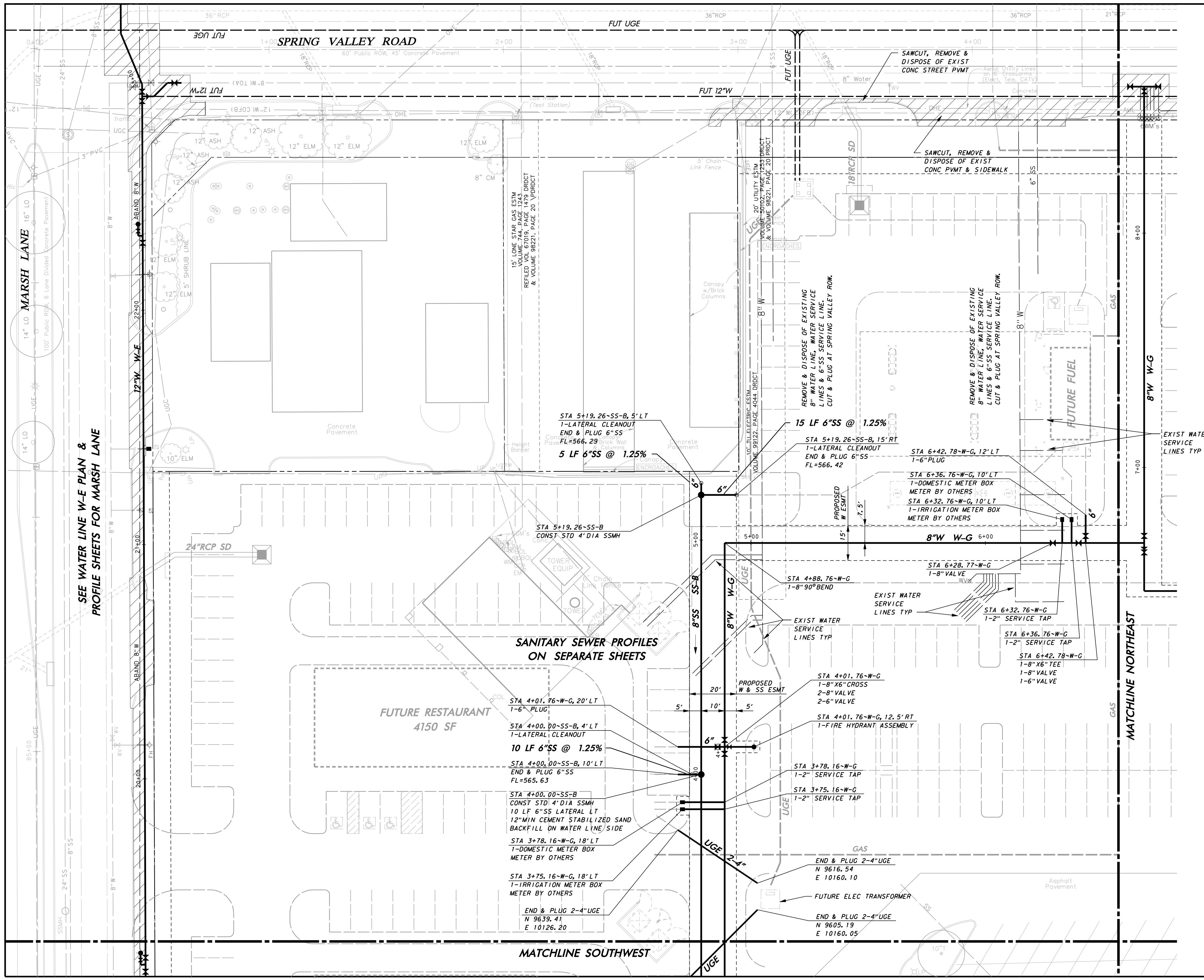
Concrete Pavement

Concrete Pavement

Concrete Pavement

Concrete Pavement





**SANITARY SEWER PROFILES ON SEPARATE SHEETS**

**FUTURE RESTAURANT 4150 SF**

**FUTURE FUEL**

**MATCHLINE SOUTHWEST**

**MATCHLINE NORTHEAST**

NO.	REVISION	BY	DATE

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**WATER, SS & PAVING IMPROVEMENTS**  
**VITRUVIAN PARK PUBLIC INFRASTRUCTURE BLOCK 500 A**

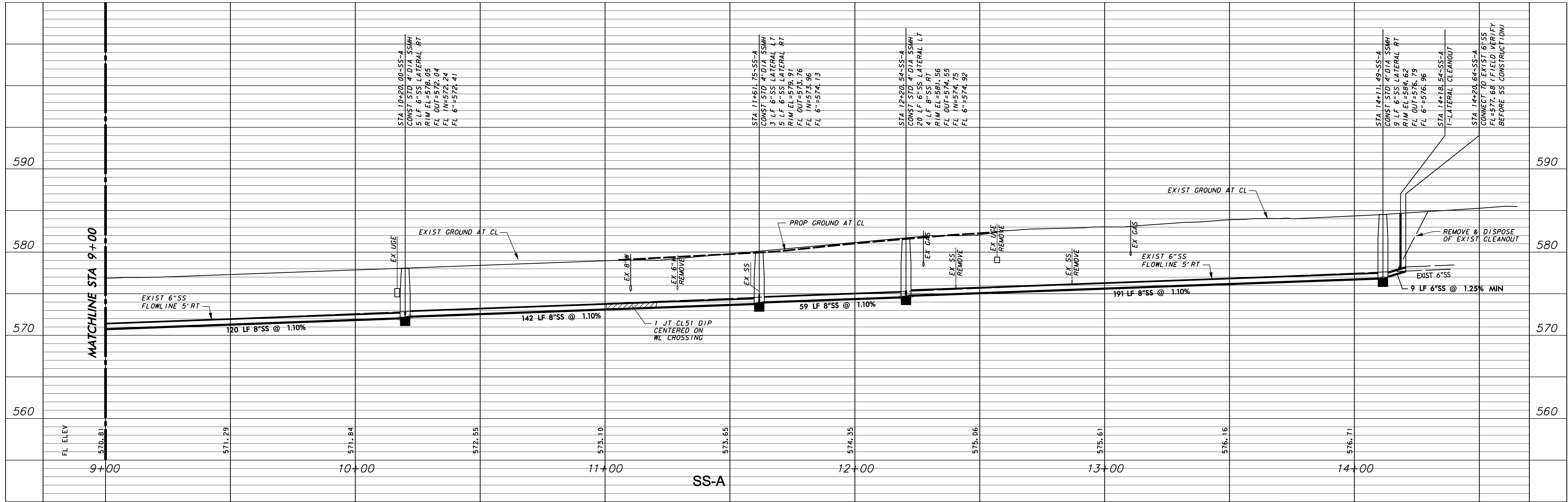
**TOWN OF ADDISON, TEXAS**  
**WATER & SANITARY SEWER PLAN**  
**SHOPPING CENTER NORTHWEST**

DESIGN	DRAWN	DATE	SCALE	NOTES	Sheet No.
ICE	ICE	JAN 22, 2020	AS NOTED		<b>15</b>

VITRUVIAN PARK BLOCK 500 A PUBLIC INFRASTRUCTURE - PROJECT NO. 5029-05







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*Bruce F. Dunne*  
BRUCE F. DUNNE  
LICENSED PROFESSIONAL ENGINEER  
01/22/20

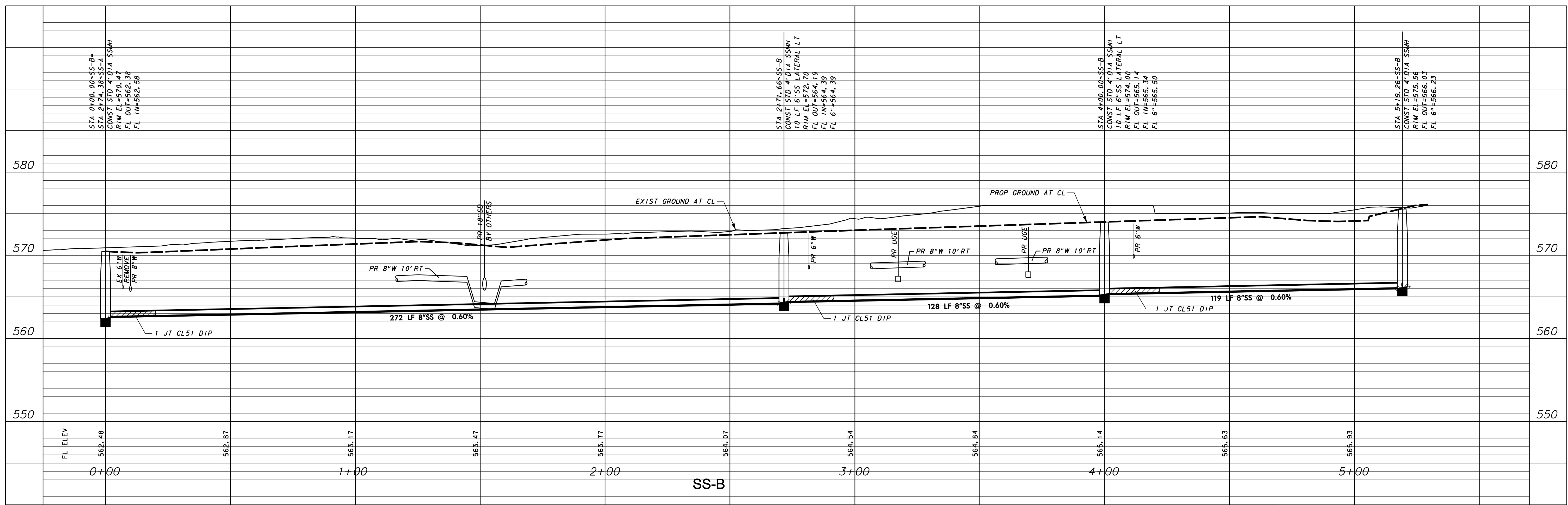
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**TOWN OF ADDISON, TEXAS**  
**SANITARY SEWER PROFILES**  
**LINE A - STA 9+00 TO 14+20.64**

DESIGN	DRAWN	DATE	SCALE	NOTES	Sheet No.
ICE	ICE	JAN 22, 2020	AS NOTED		<b>17</b>

VITRUVIAN PARK BLOCK 500 A PUBLIC INFRASTRUCTURE - PROJECT NO. 5029-05

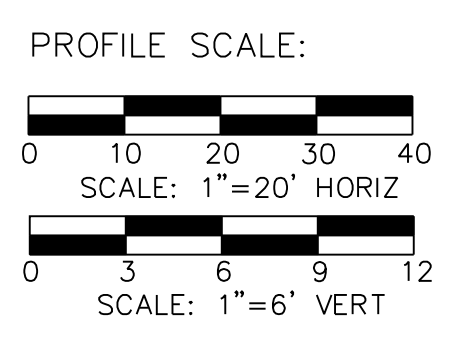


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BRUCE F. DUNNE  
 LICENSED PROFESSIONAL ENGINEER

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**WATER, SS & PAVING IMPROVEMENTS**

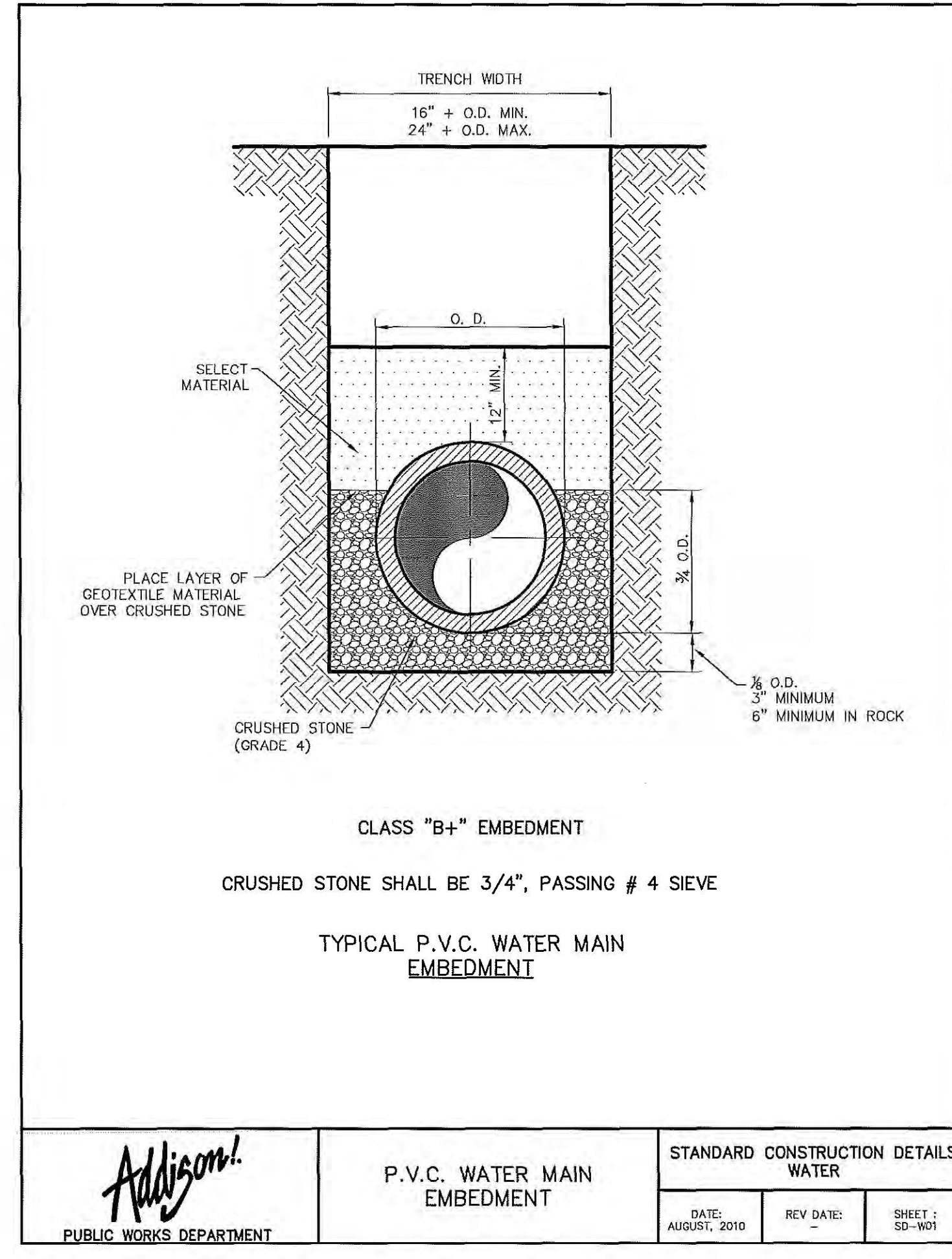
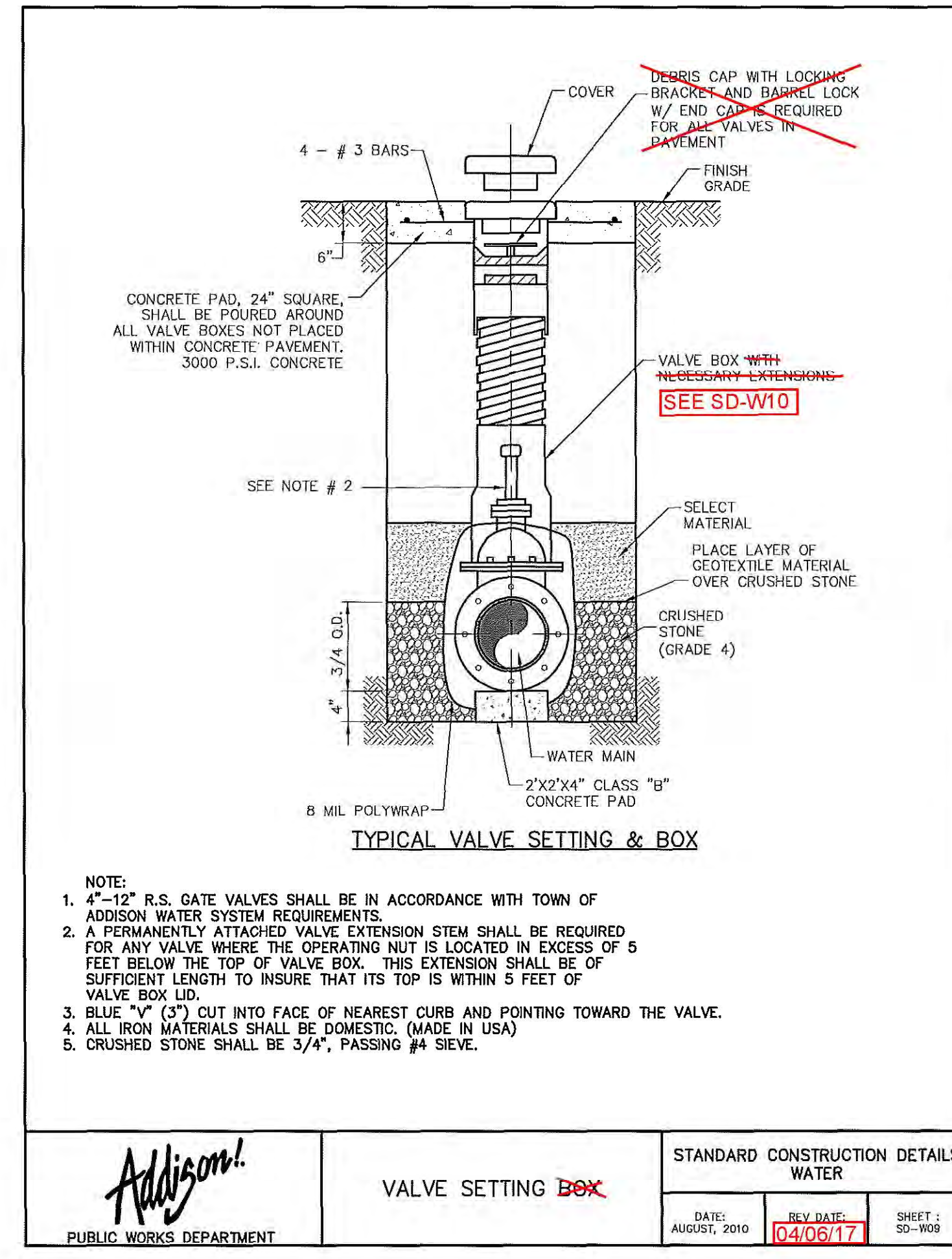
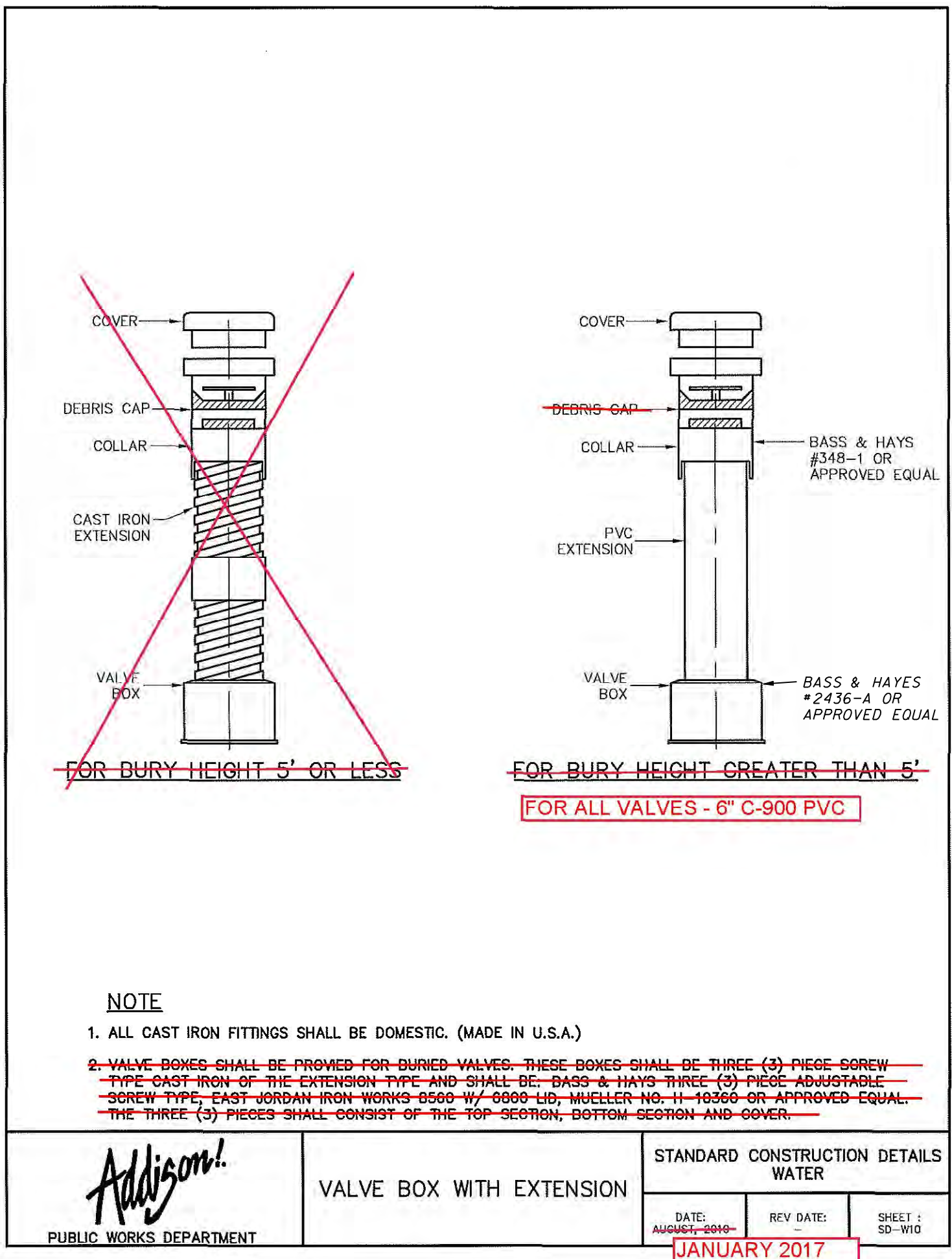
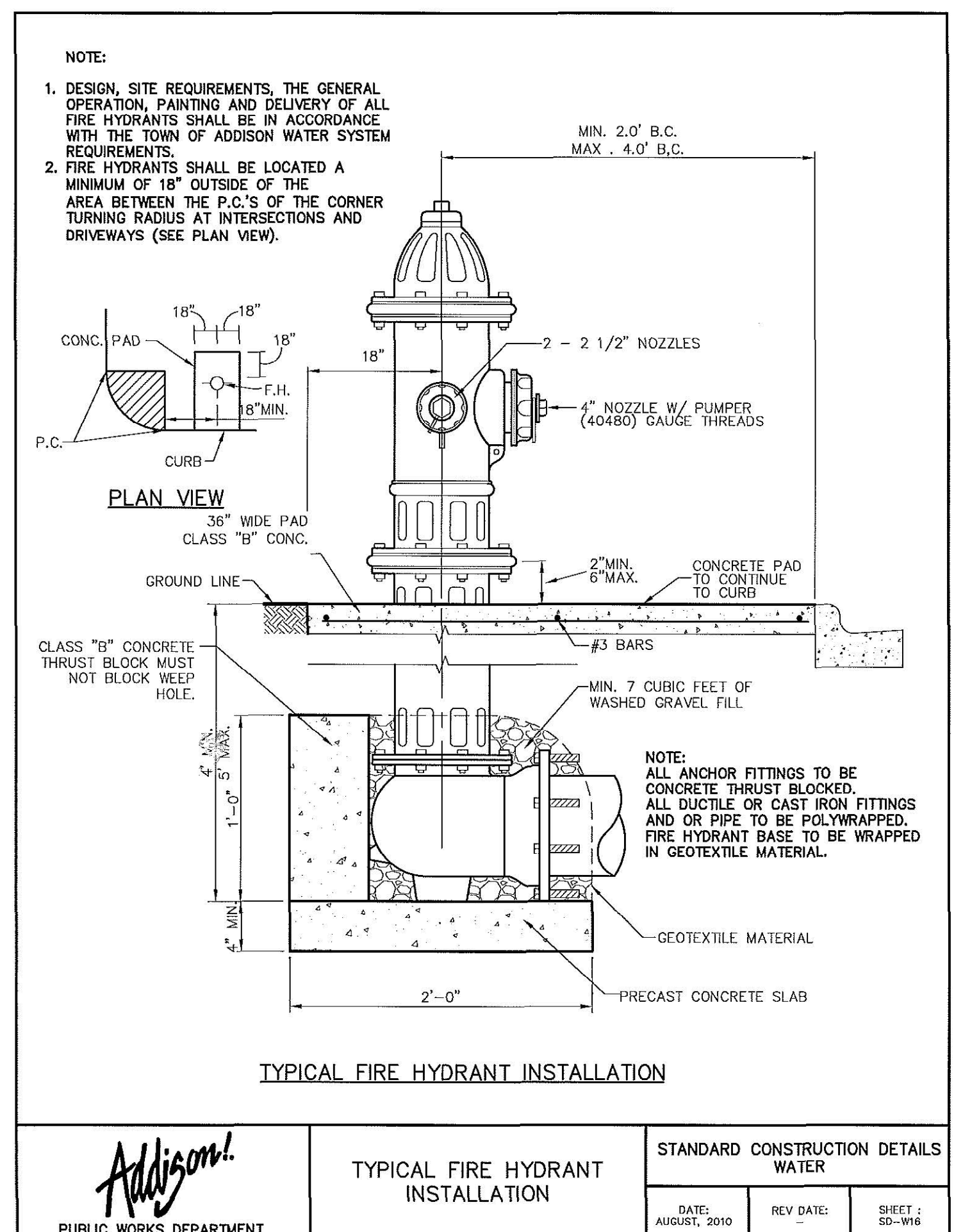
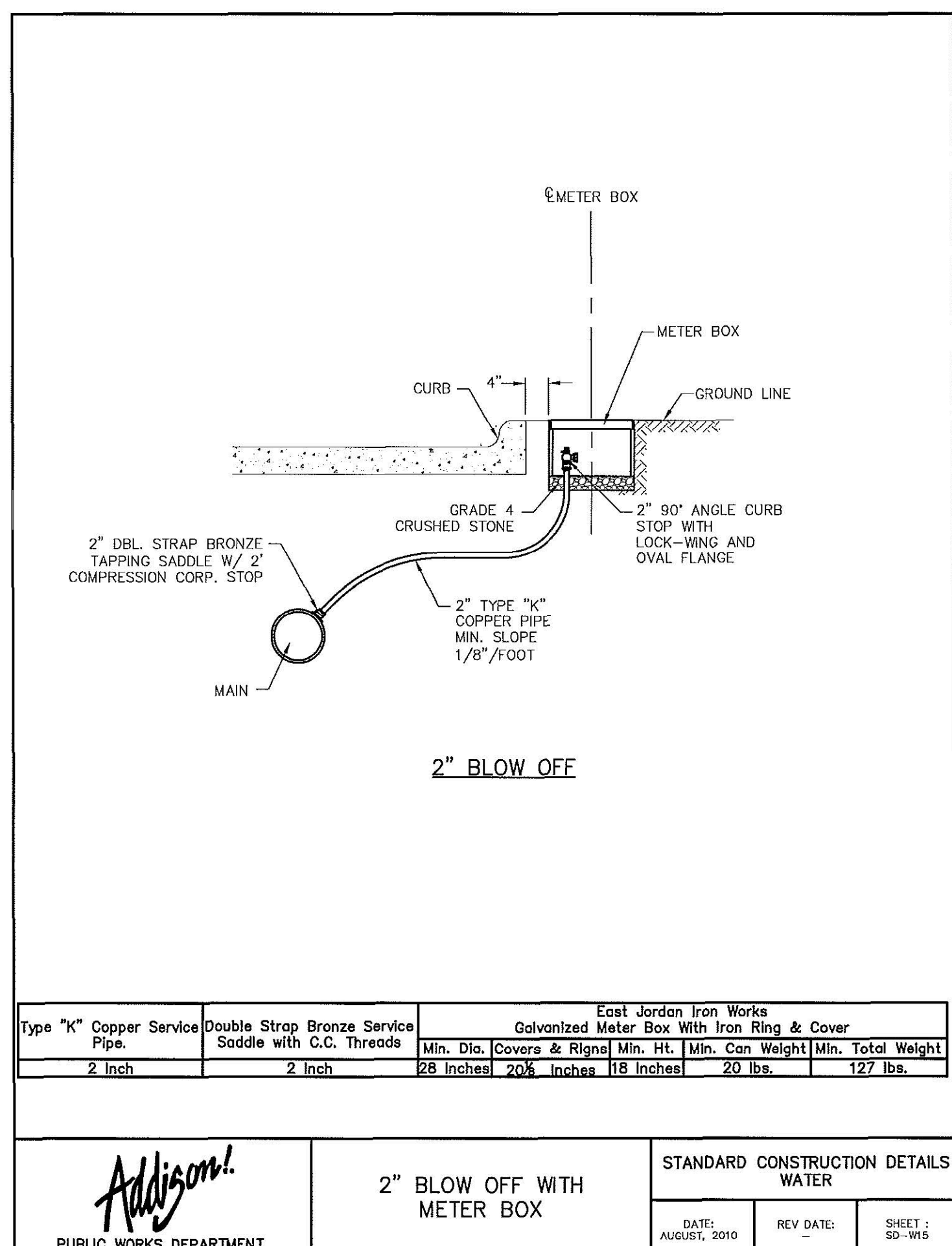
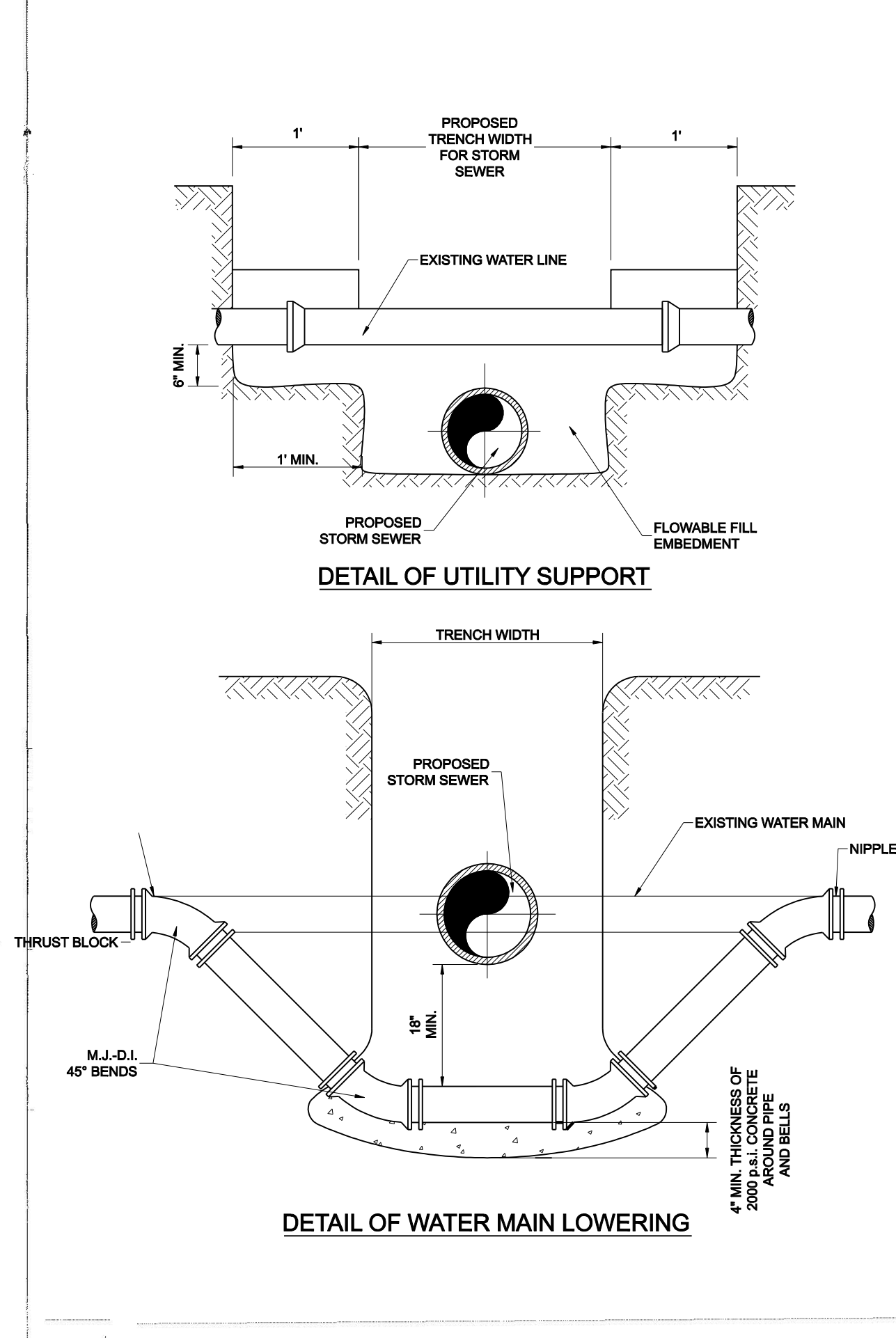
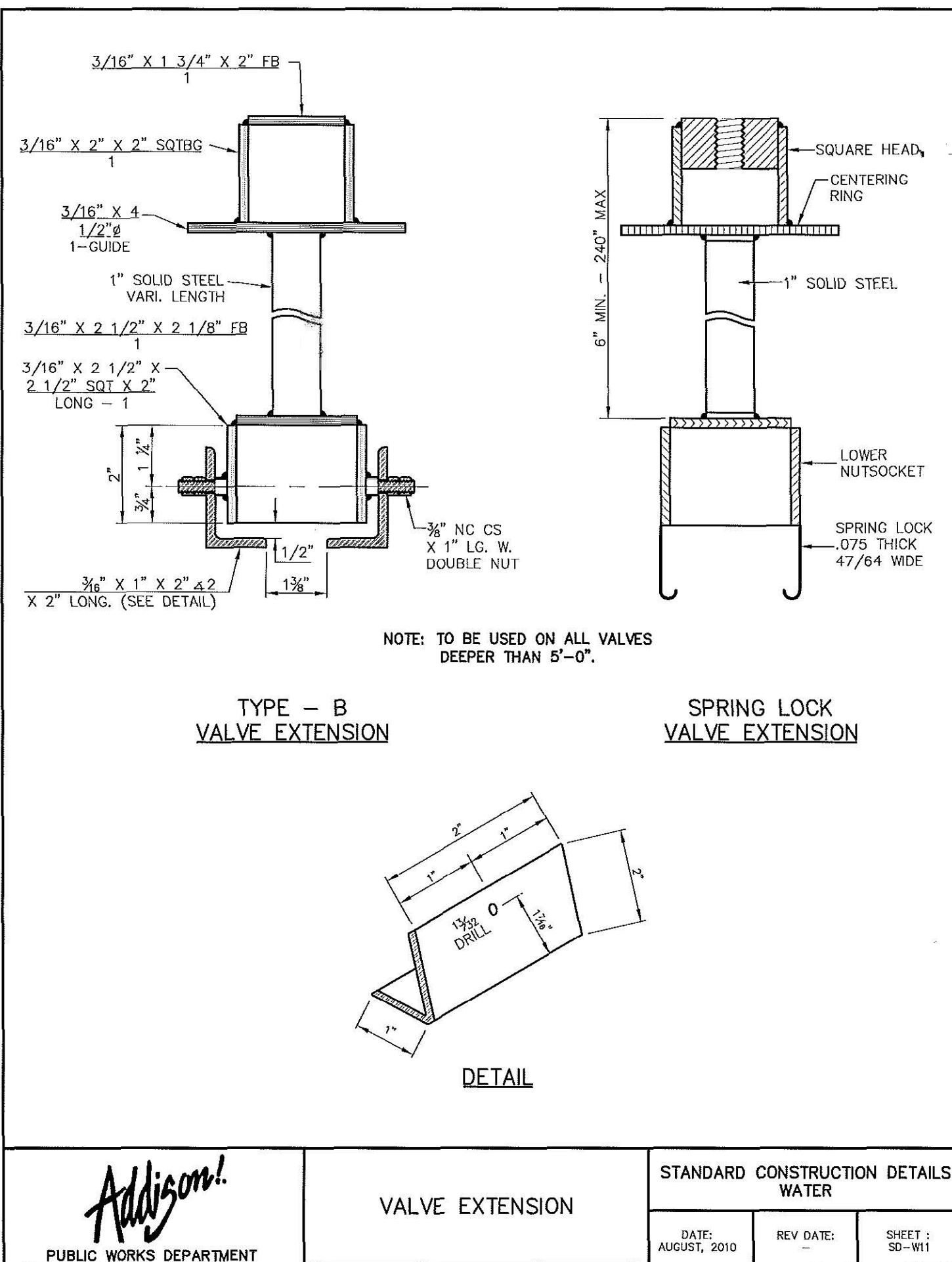
**VITRUVIAN PARK PUBLIC INFRASTRUCTURE BLOCK 500 A**

**TOWN OF ADDISON, TEXAS**

**SANITARY SEWER PROFILES**  
**LINE B - STA 0+00 TO 5+19.26**

DESIGN	DRAWN	DATE	SCALE	NOTES	Sheet No.
ICE	ICE	JAN 22, 2020	AS NOTED		<b>18</b>

VITRUVIAN PARK BLOCK 500 A PUBLIC INFRASTRUCTURE - PROJECT NO. 5029-05



NO.	REVISION	BY	DATE

**icon Consulting Engineers, Inc.** 2840 W. Southlake Blvd., Suite 110  
 Civil Engineers - Designers - Planners Southlake, TX 76092 (817) 552-6210  
 Engineering Firm Registration Number F-9007

**WATER, SS & PAVING IMPROVEMENTS**  
**VITRUVIAN PARK PUBLIC INFRASTRUCTURE BLOCK 500 A**  
**TOWN OF ADDISON, TEXAS**

**WATER DETAILS**

DESIGN	DRAWN	DATE	SCALE	NOTES	Sheet No.
ICE	ICE	JAN 22, 2020	AS NOTED		19

I.D. (IN.)	Δ= 30°						Δ= 45°										
	G (FT.)	THRUST (TONS)	A (FT.)	B (FT.)	VOL. (C.Y.)	ROCK (C.Y.)	G (FT.)	THRUST (TONS)	A (FT.)	B (FT.)	VOL. (C.Y.)	ROCK (C.Y.)					
4.6,8	1.0	2.8	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	0.7
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	5.9	70.3	9.0	8.0	7.4	6.0	6.0	3.7	48	8.8	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	9.8	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	9.5	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	8.5	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	32.8
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

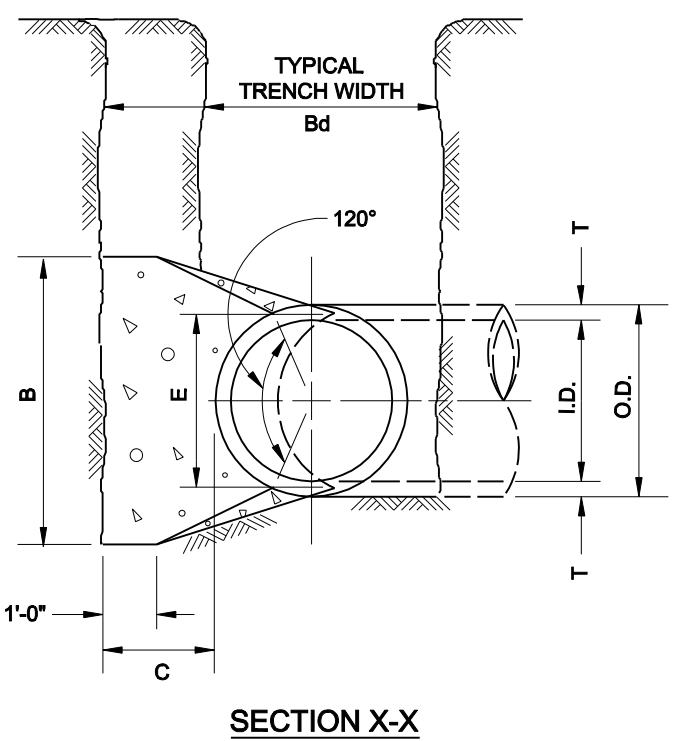
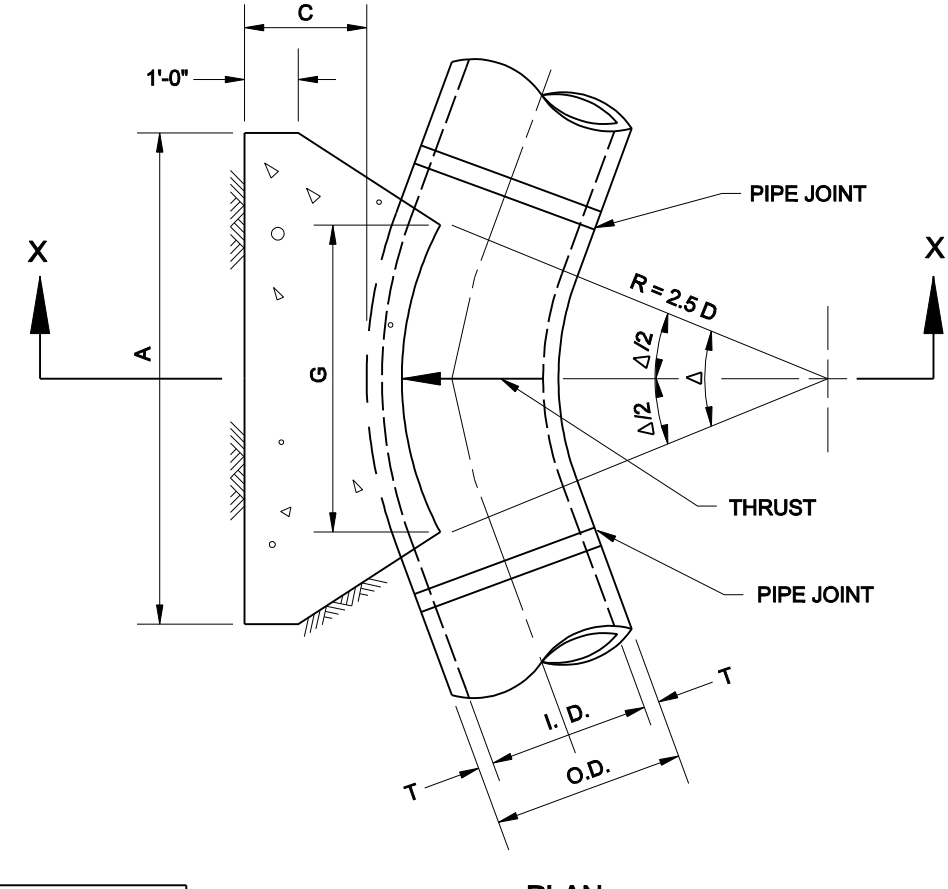
I.D. (IN.)	Δ= 67.50°						Δ= 90°										
	G (FT.)	THRUST (TONS)	A (FT.)	B (FT.)	VOL. (C.Y.)	ROCK (C.Y.)	G (FT.)	THRUST (TONS)	A (FT.)	B (FT.)	VOL. (C.Y.)	ROCK (C.Y.)					
4.6,8	2.1	5.6	3.0	2.0	0.3	2.0	1.5	0.2	4.6,8	2.7	7.1	5.0	1.5	0.4	2.0	2.0	0.2
10,12	3.1	12.6	5.5	2.5	0.8	3.5	2.0	0.4	10,12	4.0	16.0	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	36.6	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	48.5	84	27.7	587.7	42.0	14.0	134.4	28.0	10.5	68.8
90	23.3	530.5	35.5	15.0	114.4	24.5	11.0	58.2	90	29.0	674.8	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	96.1

TABLES OF DIMENSIONS AND QUANTITIES

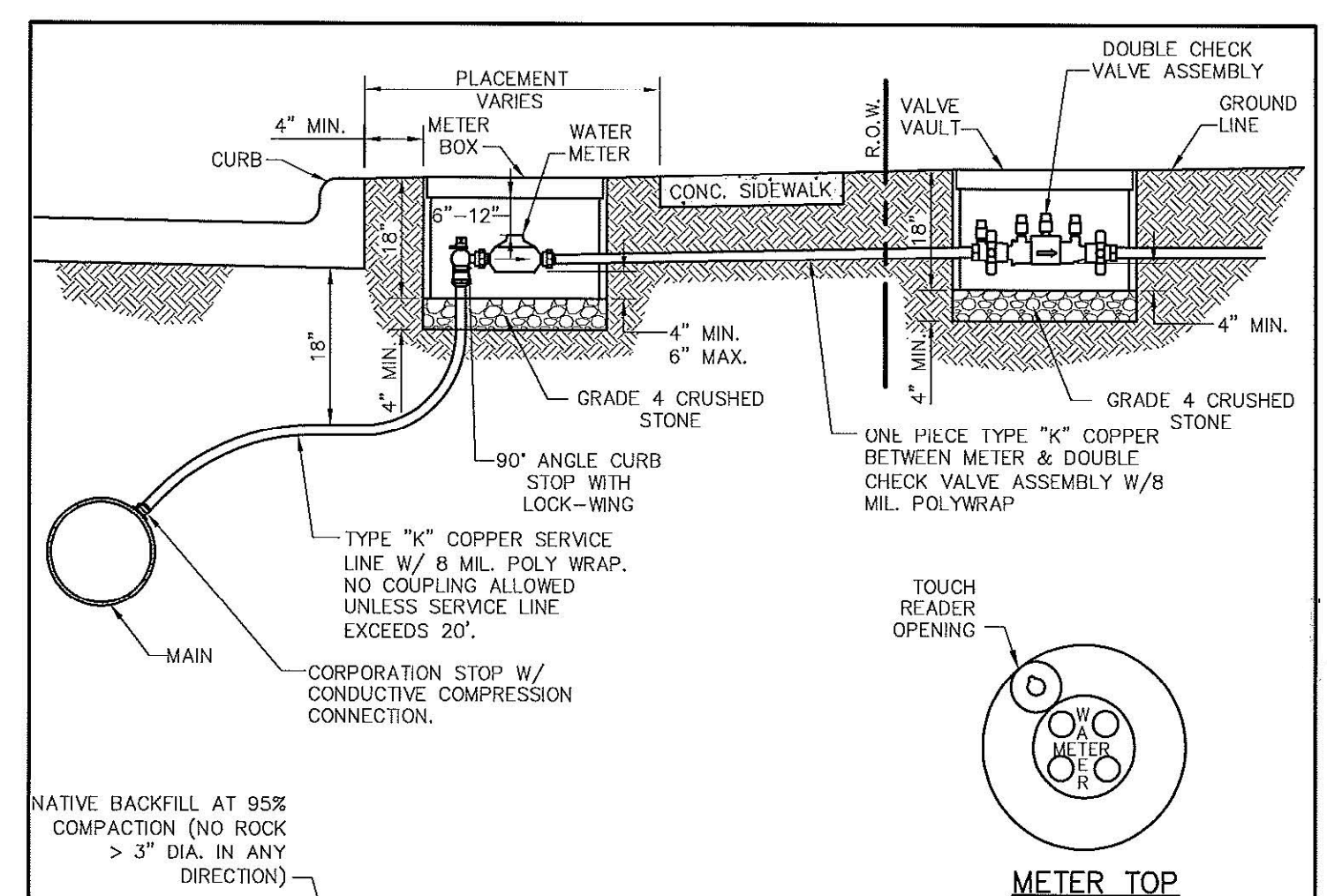
I.D. (IN.)	T (IN.)	Δ = 11.25° (FT.)	Δ = 22.50° (FT.)	E (FT.)
4.6,8	0.4	1.5	1.5	0.9
10,12	0.5	1.5	1.5	1.2
16,18	0.6	1.5	1.5	1.6
20	0.7	1.5	1.5	1.8
24	0.9	1.5	1.5	2.1
30	2.9	1.5	1.9	2.6
36	4.5	1.5	2.3	3.3
42	5.0	1.8	2.6	3.8
48	5.5	2.0	3.0	4.3
54	6.0	2.3	3.4	4.8
60	6.5	2.5	3.8	5.3
66	6.8	2.8	4.1	5.7
72	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

I.D. (IN.)	Δ= 11.25°						Δ= 22.50°										
	G (FT.)	THRUST (TONS)	A (FT.)	B (FT.)	VOL. (C.Y.)	ROCK (C.Y.)	G (FT.)	THRUST (TONS)	A (FT.)	B (FT.)	VOL. (C.Y.)	ROCK (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	0.3
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	0.8	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



HORIZONTAL THRUST BLOCK



- GENERAL INSTALLATION NOTES:**
1. WATER METER SHALL BE PLACED IN CENTER OF LOT WITH THE SANITARY SEWER SERVICE TO BE LOCATED 10' DOWNSTREAM.
  2. METER AND BOX SHALL BE SET BY THE CONTRACTOR TO ADDISON STANDARDS IN ALL CASES.
  3. THE METER BOX SHALL BE SET WITHIN THE R.O.W. OR A DEDICATED UTILITY EASEMENT. IN ALL CASES, THE METER BOX SHALL BE PROTECTED FROM VEHICULAR TRAFFIC.
  4. WATER SERVICES SHALL NOT BE CONNECTED TO DEAD END LINES OR FIRE HYDRANT LEADS.
  5. ALL MATERIALS SHALL CONFORM TO THE TOWN OF ADDISON WATER SYSTEM REQUIREMENTS.

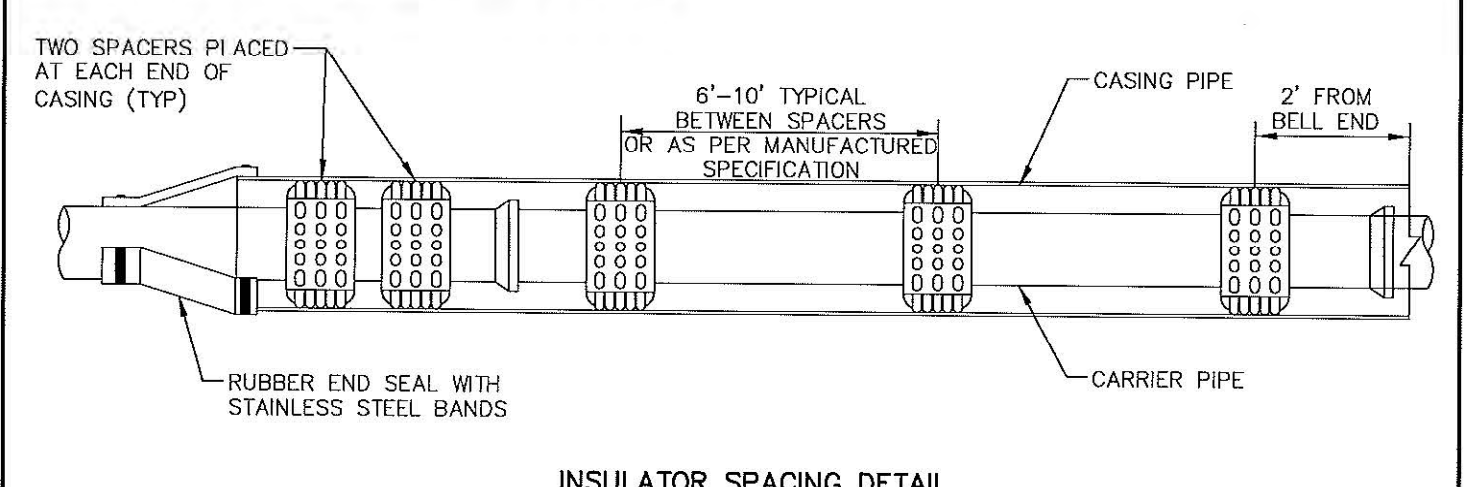
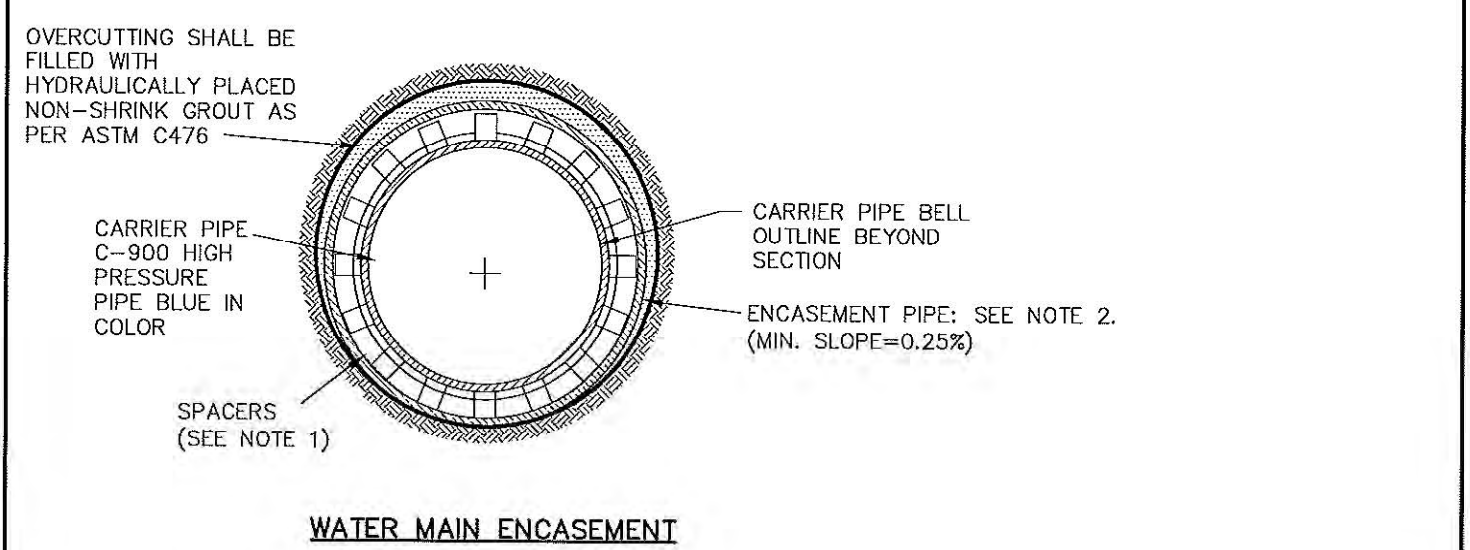
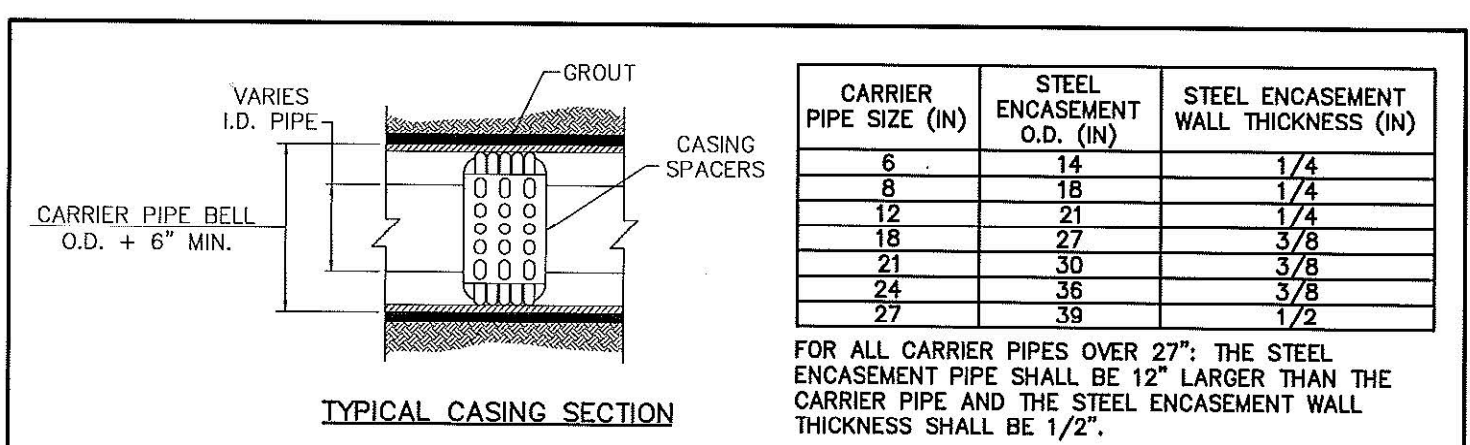
Type "K" Copper Service Pipes	Double Strap Bronze Service Saddle with C.C. Threads	East Jordan Iron Works Galvanized Meter Box With Iron Ring & Cover				
		Min. Dia.	Covers & Rngs	Min. Ht.	Min. Con Weight	
3/4 inch	3/4 inch	18 inches	12 inches	18 inches	13 lbs.	42 lbs.
1 inch	1 inch	24 inches	20 inches	18 inches	17 lbs.	98 lbs.
1 1/2 inch	1 1/2 inch	28 inches	20 inches	18 inches	20 lbs.	127 lbs.
2 inch	2 inch	28 inches	20 inches	18 inches	20 lbs.	127 lbs.

**Addison!** PUBLIC WORKS DEPARTMENT

SERVICE CONNECTION WITH METER BOX

STANDARD CONSTRUCTION DETAILS WATER

DATE: AUGUST, 2010 REV DATE: SHEET: SD-W20



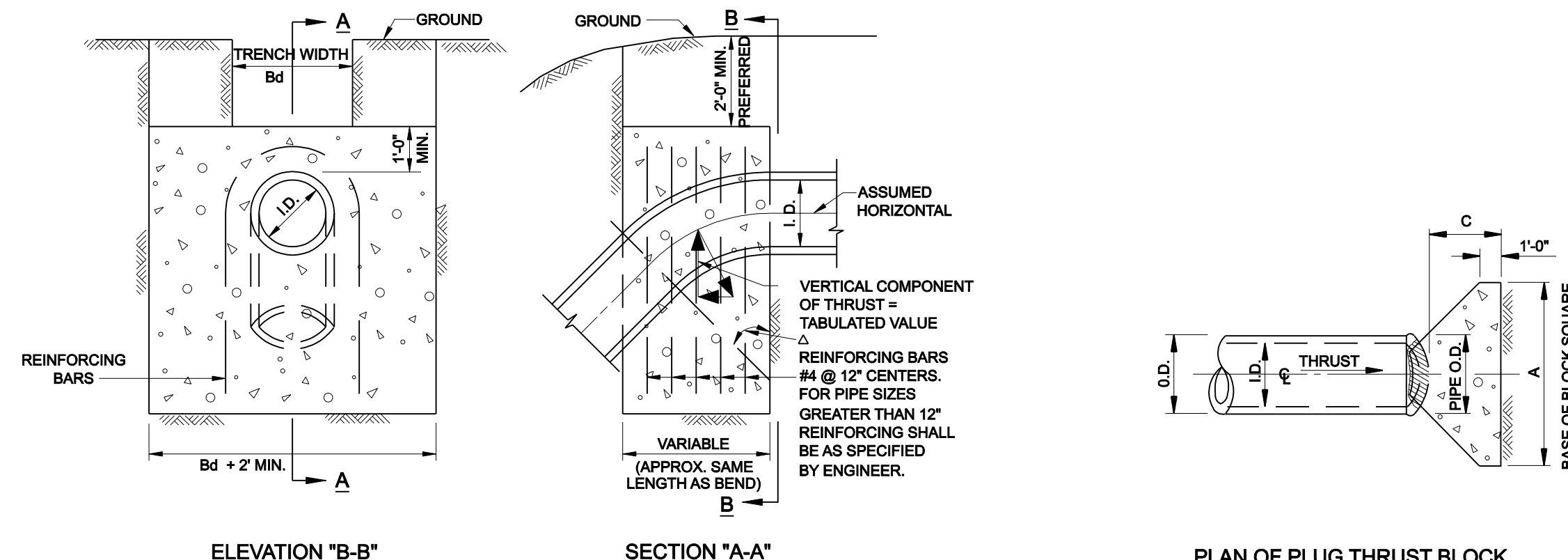
- NOTES:**
1. HIGH DENSITY POLYETHYLENE SPACERS, RACI OR EQUAL, SHALL BE USED. WHERE NO CASING PIPE IS REQUIRED OVERROUTING AROUND UTILITY SHALL BE FILLED WITH HYDRAULICALLY PLACED NON-SHRINK GROUT AS PER ASTM C476.
  2. ENCASEMENT PIPE SHALL BE HIGH DENSITY STEEL PIPE. ALL JOINTS TO BE WELDED 100%.

**Addison!** DEPARTMENT OF PUBLIC WORKS

CASING

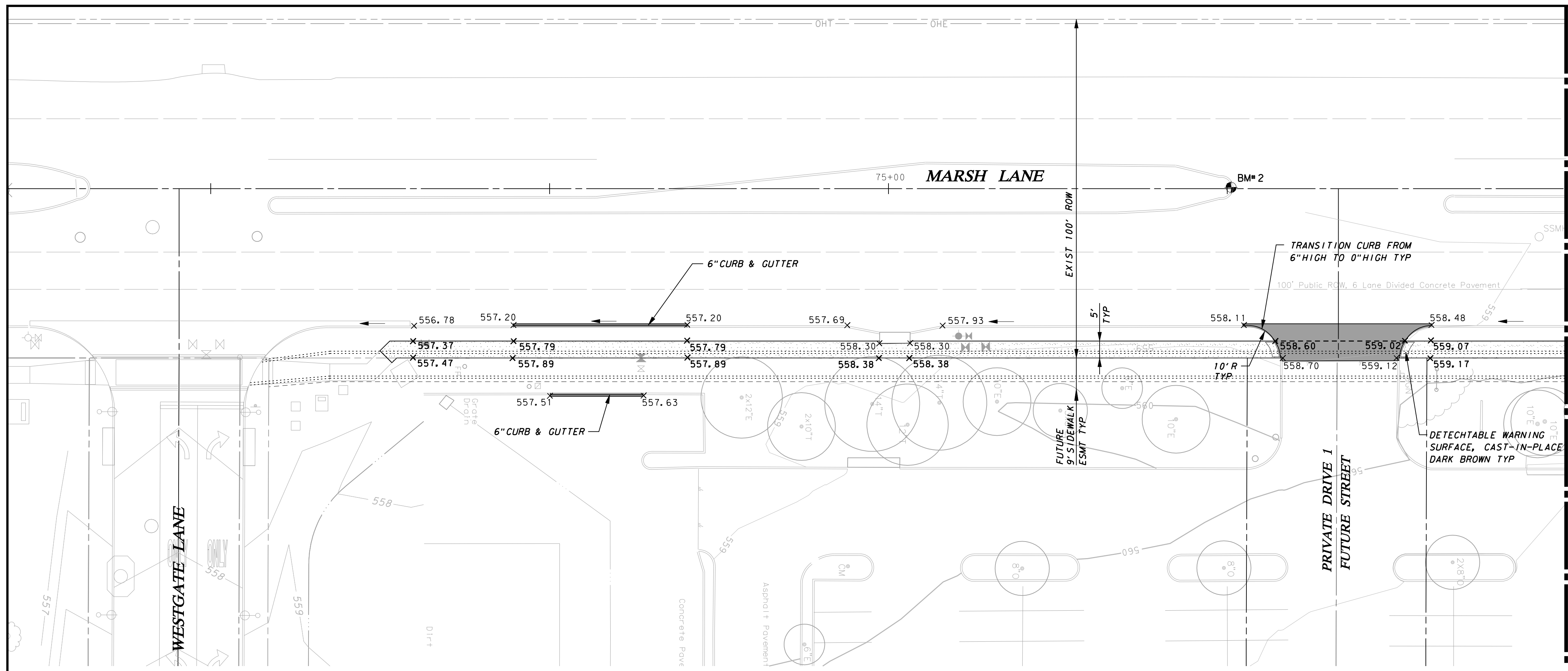
STANDARD CONSTRUCTION DETAILS WATER

DATE: AUGUST, 2010 REV DATE: SHEET: SD-W03



I.D. (IN.)	11.25°		22.50°		30°		45°		67.50°		90°	
	THRUST (TONS)	VOL. (C.Y.)	THRUST (TONS)	VOL. (C.Y.)	THRUST (TONS)	VOL. (C.Y.)	THRUST (TONS)	VOL. (C.Y.)	THRUST (TONS)	VOL. (C.Y.)	THRUST (TONS)	VOL. (C.Y.)
4.6,8	1.0	0.5	2.0	1.0	2.5	1.3	3.8	1.8	4.8	2.3	5.0	2.5
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
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
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
24	8.2	4.4	17.3	8.7	22.6	11.3	32.0	16.0	41.8	20.9	45.2	22.8
30	10.5	5.2	29.3	10.1	26.5	13.3						

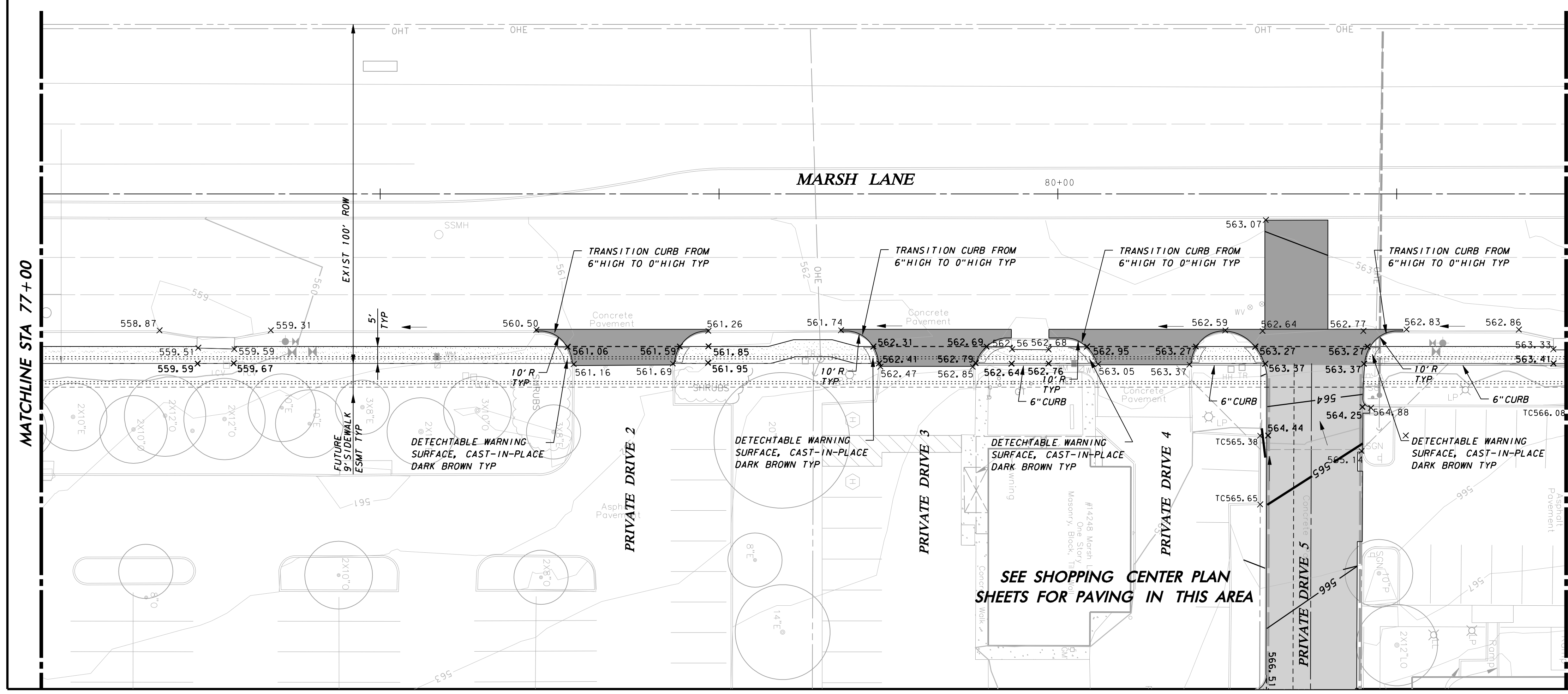
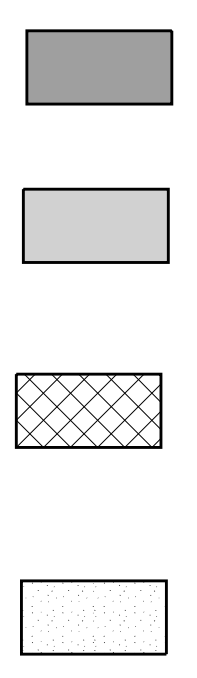




MATCHLINE STA 77+00

**LEGEND**

- STREET PAVEMENT:**  
10" 4200 PSI CONCRETE PVMT. W/ #4 BARS @ 24" O.C.E.W. ON 6" COMPACTED SUBGRADE TO 95% AT OR ABOVE OPTIMUM MOISTURE CONTENT. (ASTM D 698)
- HEAVY DUTY PAVEMENT:**  
8" 4200 PSI CONCRETE PVMT. W/ #4 BARS @ 18" O.C.E.W. ON 6" COMPACTED SUBGRADE TO 95% AT OR ABOVE OPTIMUM MOISTURE CONTENT. (ASTM D 698)
- STREETSCAPE PAVEMENT:**  
5" REINFORCED CONCRETE (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 PAVING DETAILS FOR LAYOUT & DIMENSION CONTROL AND FOR CONCRETE PAVER LAYOUTS AND PATTERNS
- SIDEWALK & FLATWORK:**  
4" REINFORCED CONCRETE SIDEWALK 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)



MATCHLINE STA 77+00

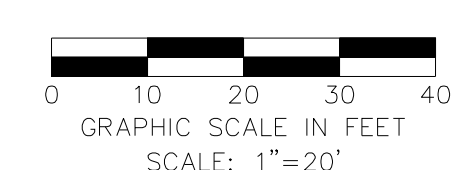
MATCHLINE STA 81+50

**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 = 573.00  
TOWN OF ADDISON MONUMENT NO. 1 BEING A DISK SET IN CONCRETE ON THE NORTH SIDE OF SPRING VALLEY ROAD, APPROX. 147 FEET EAST OF THE CENTERLINE OF MARSH LANE.

BM #2 REF. ELEVATION = 559.47  
SQUARE CUT IN TOP OF CURB, SOUTH MEDIAN END NOSE, MARSH LANE 1127' NORTH OF VITRUVIAN WAY.



NO.	REVISION	BY	DATE

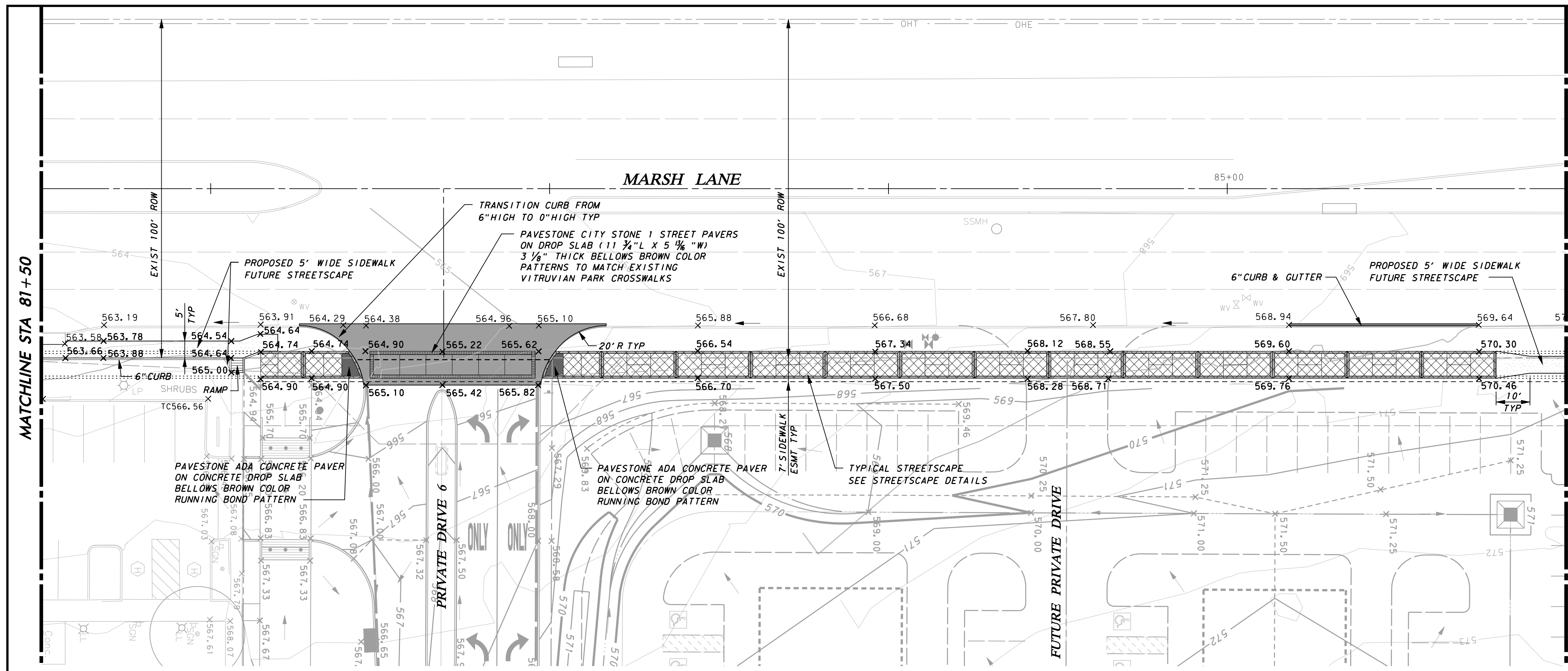
**icon Consulting Engineers, Inc.** 2840 W. Southlake Blvd., Suite 110  
Civil Engineers - Designers - Planners Southlake, TX 76092 (817) 552-6210  
Engineering Firm Registration Number F-9007

**WATER, SS & PAVING IMPROVEMENTS**  
VITRUVIAN PARK PUBLIC INFRASTRUCTURE BLOCK 500 A  
TOWN OF ADDISON, TEXAS

**PAVING PLAN**  
**MARSH LANE - STA 73+50 TO 81+50**

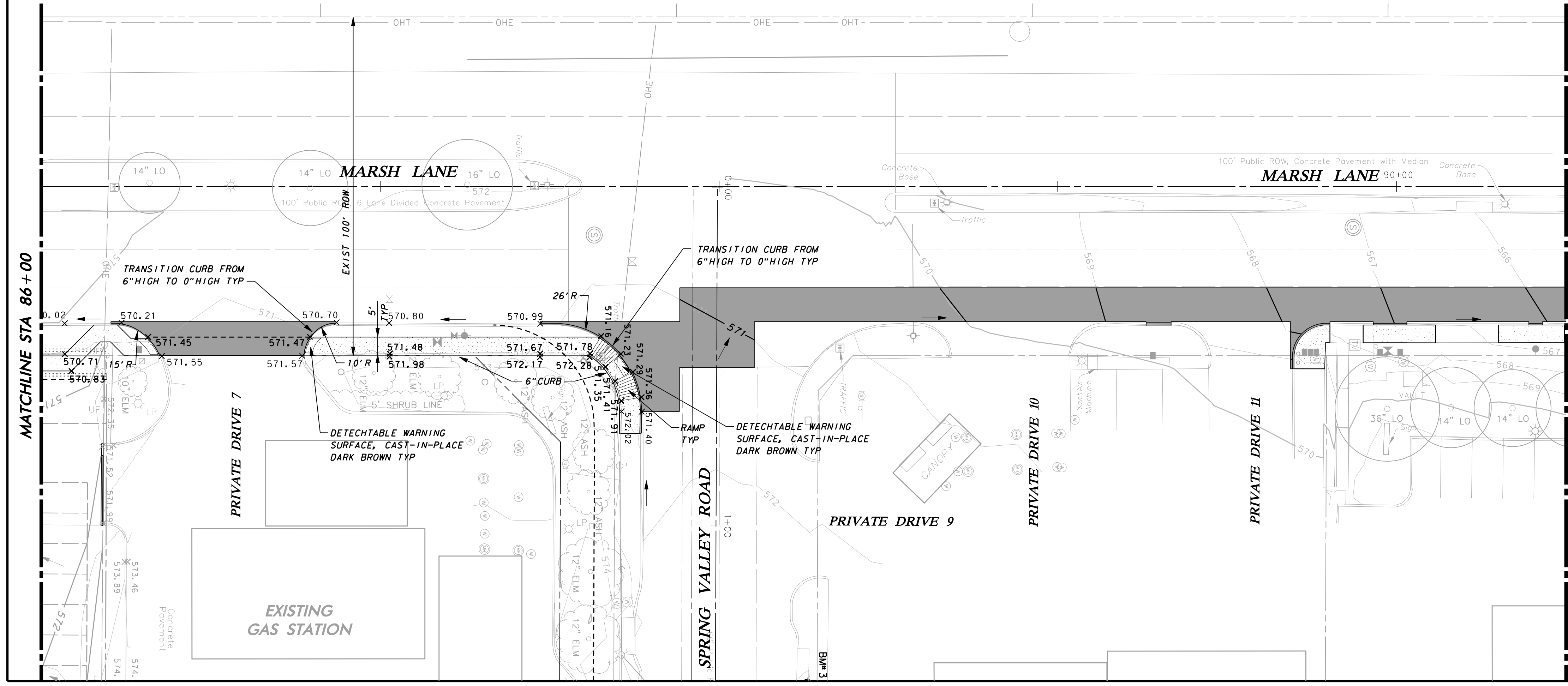
DESIGN	DRAWN	DATE	SCALE	NOTES	Sheet No.
ICE	ICE	JAN 22, 2020	AS NOTED		<b>22</b>

VITRUVIAN PARK BLOCK 500 A PUBLIC INFRASTRUCTURE - PROJECT NO. 5029-05



**LEGEND**

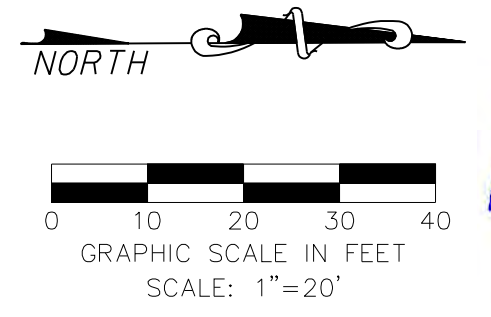
- STREET PAVEMENT:**  
10" 4200 PSI CONCRETE PVMT. W/ #4 BARS @ 24" O.C.E.W. ON 6" COMPACTED SUBGRADE TO 95% AT OR ABOVE OPTIMUM MOISTURE CONTENT. (ASTM D 698)
- HEAVY DUTY PAVEMENT:**  
8" 4200 PSI CONCRETE PVMT. W/ #4 BARS @ 18" O.C.E.W. ON 6" COMPACTED SUBGRADE TO 95% AT OR ABOVE OPTIMUM MOISTURE CONTENT. (ASTM D 698)
- STREETSCAPE PAVEMENT:**  
5" REINFORCED CONCRETE (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 PAVING DETAILS FOR LAYOUT & DIMENSION CONTROL AND FOR CONCRETE PAVER LAYOUTS AND PATTERNS
- SIDEWALK & FLATWORK:**  
4" REINFORCED CONCRETE SIDEWALK 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)



**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 = 573.00  
TOWN OF ADDISON MONUMENT NO. 1 BEING A DISK SET IN CONCRETE ON THE NORTH SIDE OF SPRING VALLEY ROAD, APPROX. 147 FEET EAST OF THE CENTERLINE OF MARSH LANE.

BM #2 REF. ELEVATION = 559.47  
SQUARE CUT IN TOP OF CURB, SOUTH MEDIAN END NOSE, MARSH LANE 1127' NORTH OF VITRUVIAN WAY.



NO.	REVISION	BY	DATE

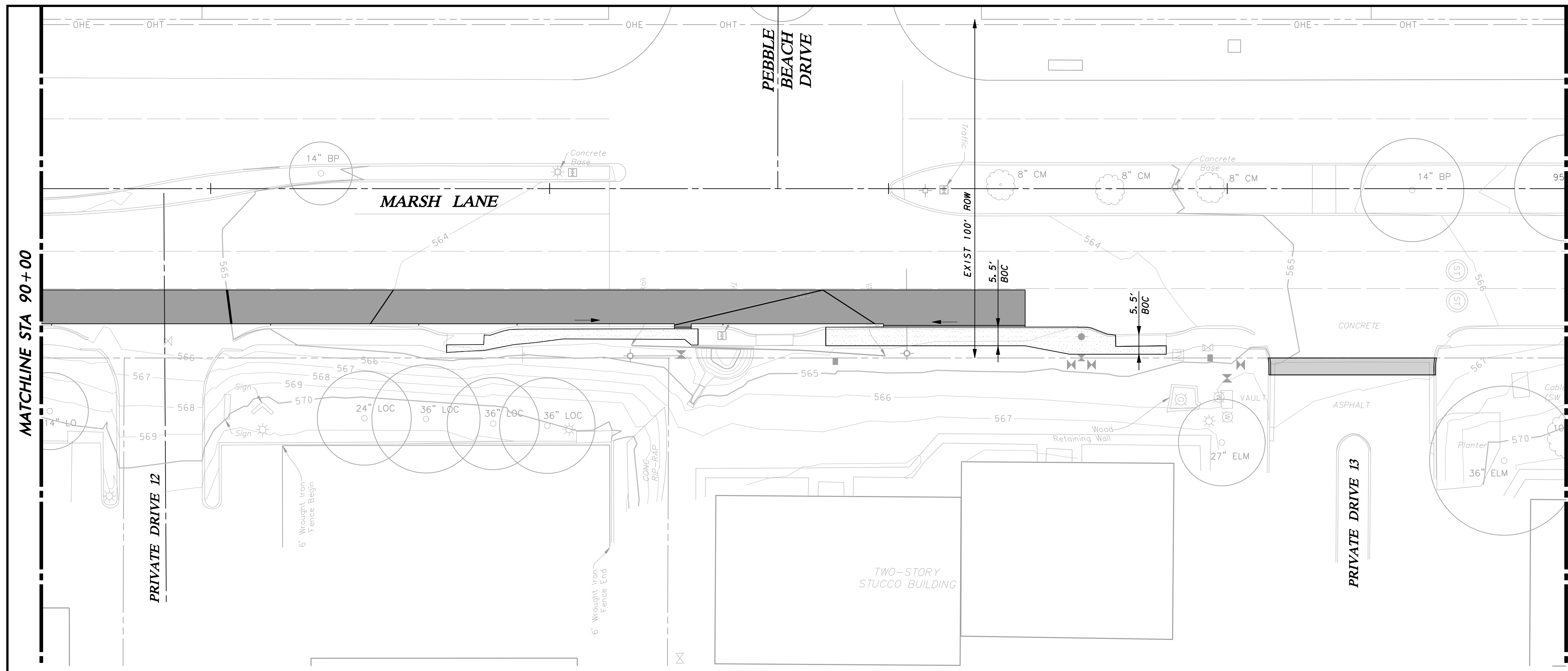
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Engineering Firm Registration Number F-9007

**WATER, SS & PAVING IMPROVEMENTS**  
VITRUVIAN PARK PUBLIC INFRASTRUCTURE BLOCK 500 A  
TOWN OF ADDISON, TEXAS

**PAVING PLAN**  
**MARSH LANE - STA 81+50 TO 90+50**

DESIGN	DRAWN	DATE	SCALE	NOTES	Sheet No.
ICE	ICE	JAN 22, 2020	AS NOTED		<b>23</b>

VITRUVIAN PARK BLOCK 500 A PUBLIC INFRASTRUCTURE - PROJECT NO. 5029-05



**LEGEND**

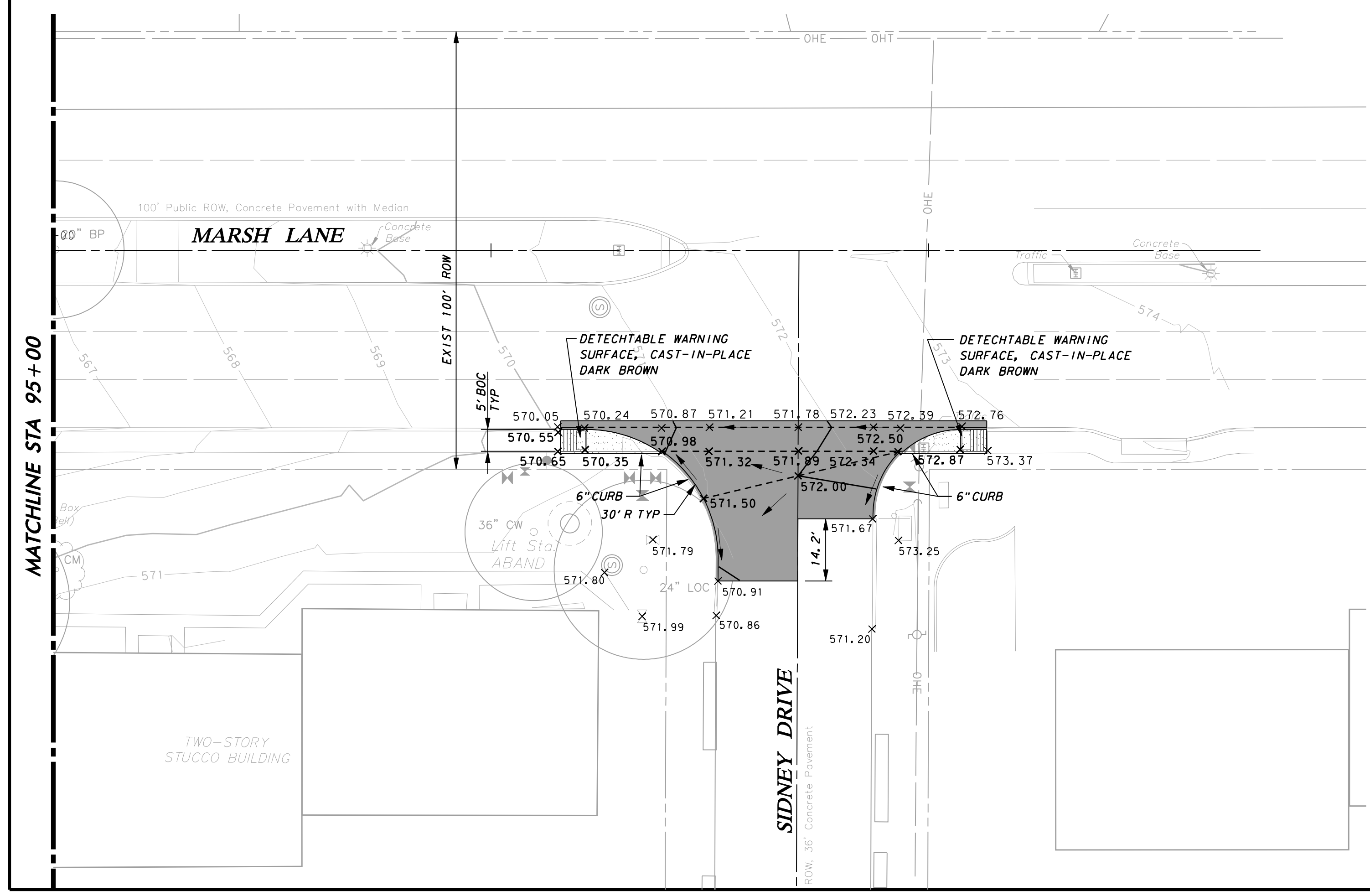
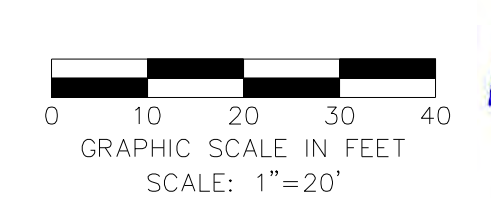
- STREET PAVEMENT:**  
 10' 4200 PSI CONCRETE PVMT. W/ #4 BARS @ 24" O.C.E.W. ON 6" COMPACTED SUBGRADE TO 95% AT OR ABOVE OPTIMUM MOISTURE CONTENT. (ASTM D 698)
- HEAVY DUTY PAVEMENT:**  
 8" 4200 PSI CONCRETE PVMT. W/ #4 BARS @ 18" O.C.E.W. ON 6" COMPACTED SUBGRADE TO 95% AT OR ABOVE OPTIMUM MOISTURE CONTENT. (ASTM D 698)
- STREETScape PAVEMENT:**  
 5" REINFORCED CONCRETE (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 PAVING DETAILS FOR LAYOUT & DIMENSION CONTROL AND FOR CONCRETE PAVER LAYOUTS AND PATTERNS
- SIDEWALK & FLATWORK:**  
 4" REINFORCED CONCRETE SIDEWALK 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)

**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.

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 TOWN OF ADDISON MONUMENT NO. 1 BEING A DISK SET IN CONCRETE ON THE NORTH SIDE OF SPRING VALLEY ROAD, APPROX. 147 FEET EAST OF THE CENTERLINE OF MARSH LANE.

BM #2 REF. ELEVATION = 559.47  
 SQUARE CUT IN TOP OF CURB, SOUTH MEDIAN END NOSE, MARSH LANE 1127' NORTH OF VITRUVIAN WAY.



NO.	REVISION	BY	DATE

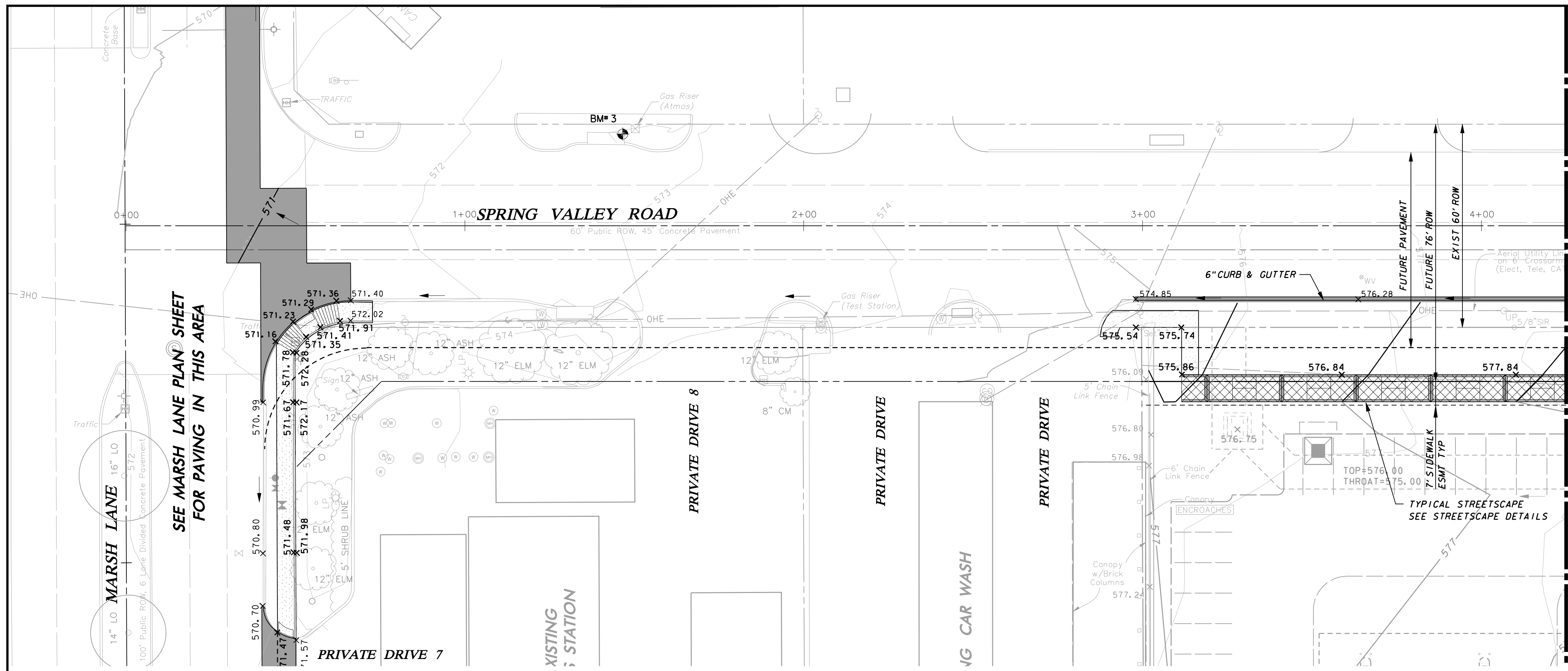
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 Engineering Firm Registration Number F-9007

**WATER, SS & PAVING IMPROVEMENTS**  
**VITRUVIAN PARK PUBLIC INFRASTRUCTURE BLOCK 500 A**  
**TOWN OF ADDISON, TEXAS**  
**PAVING PLAN**  
**MARSH LANE - STA 90+50 TO 97+50**

DESIGN	DRAWN	DATE	SCALE	NOTES	Sheet No.
ICE	ICE	JAN 22, 2020	AS NOTED		24

VITRUVIAN PARK BLOCK 500 A PUBLIC INFRASTRUCTURE - PROJECT NO. 5029-05





**LEGEND**

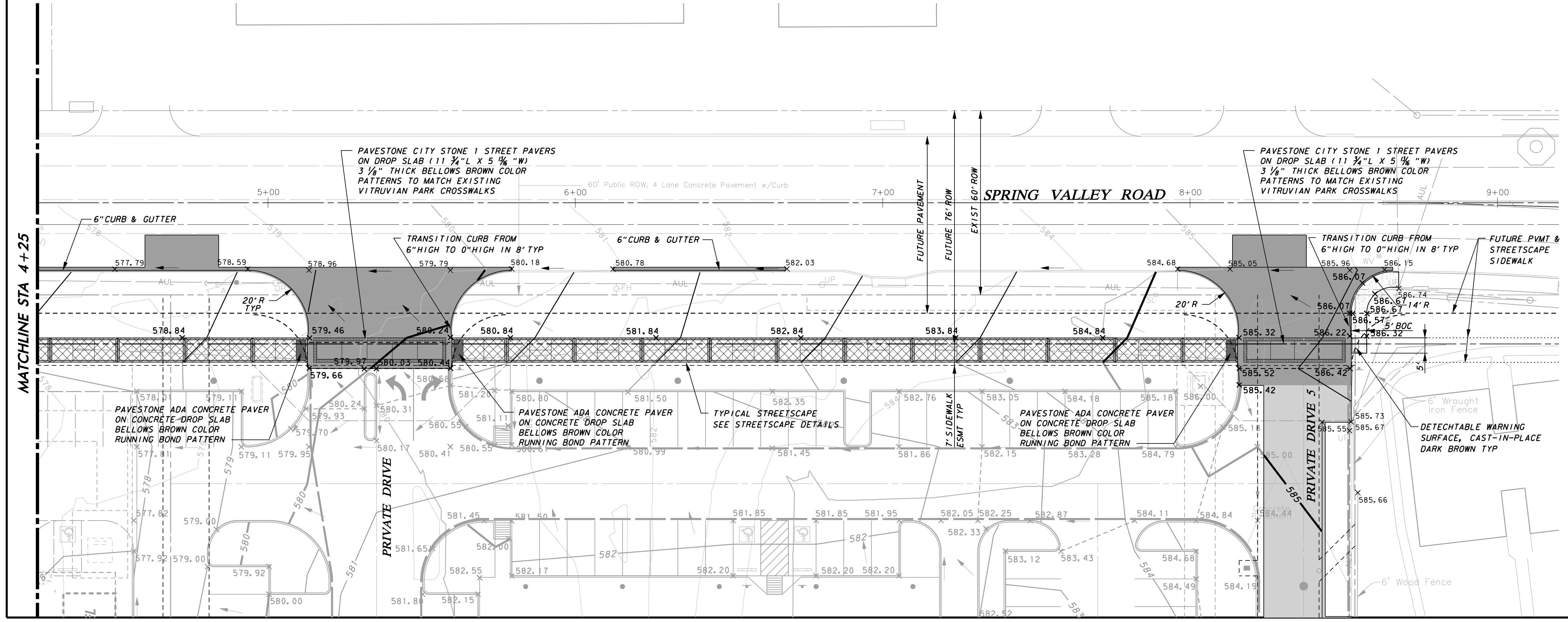
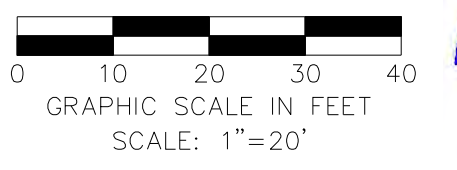
- STREET PAVEMENT:**  
10" 4200 PSI CONCRETE PAVT. W/ #4 BARS @ 24" O.C.E.W. ON 6" COMPACTED SUBGRADE TO 95% AT OR ABOVE OPTIMUM MOISTURE CONTENT. (ASTM D 698)
- HEAVY DUTY PAVEMENT:**  
8" 4200 PSI CONCRETE PAVT. W/ #4 BARS @ 18" O.C.E.W. ON 6" COMPACTED SUBGRADE TO 95% AT OR ABOVE OPTIMUM MOISTURE CONTENT. (ASTM D 698)
- STREETSCAPE PAVEMENT:**  
5" REINFORCED CONCRETE (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 PAVING DETAILS FOR LAYOUT & DIMENSION CONTROL AND FOR CONCRETE PAVER LAYOUTS AND PATTERNS
- SIDEWALK & FLATWORK:**  
4" REINFORCED CONCRETE SIDEWALK 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)

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TOWN OF ADDISON MONUMENT NO. 1 BEING A DISK SET IN CONCRETE ON THE NORTH SIDE OF SPRING VALLEY ROAD, APPROX. 147 FEET EAST OF THE CENTERLINE OF MARSH LANE.

BM #2 REF. ELEVATION = 559.47  
SQUARE CUT IN TOP OF CURB, SOUTH MEDIAN END NOSE, MARSH LANE 1127' NORTH OF VITRUVIAN WAY.



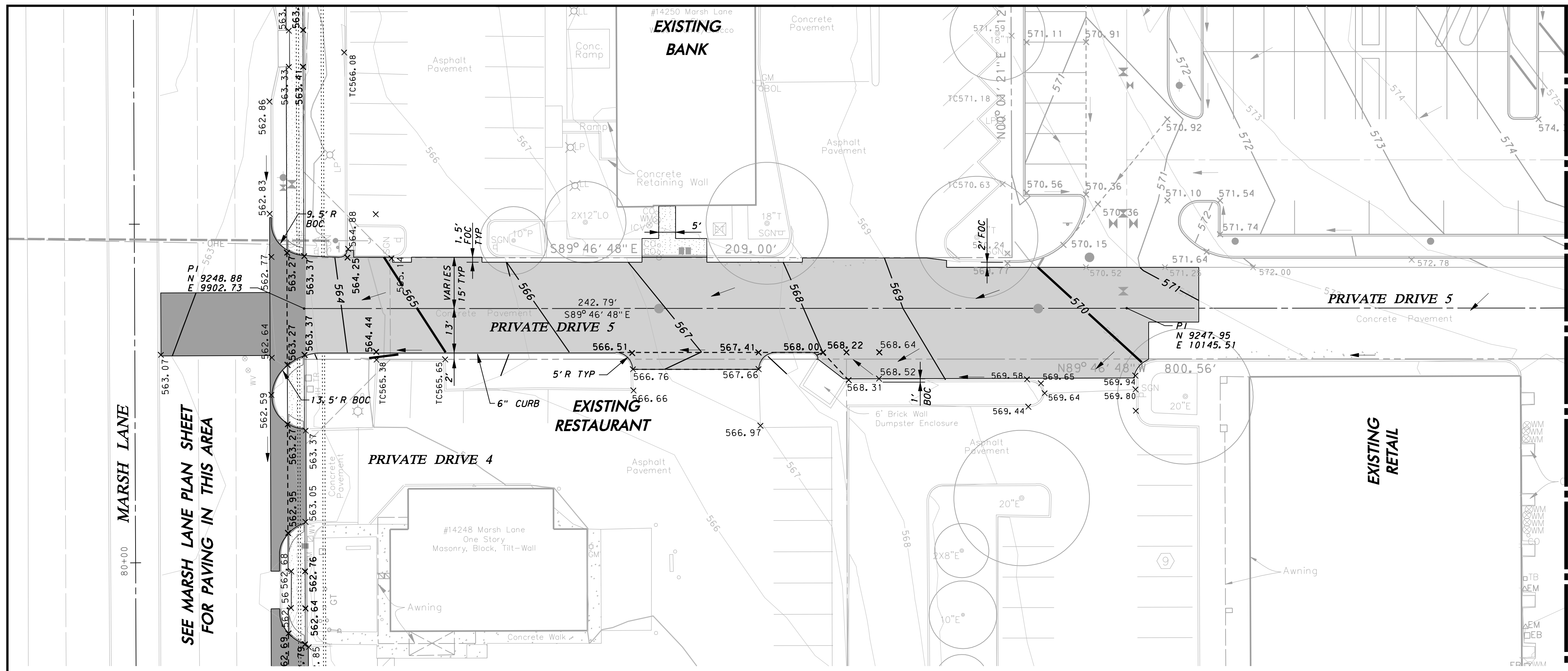
NO.	REVISION	BY	DATE

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Engineering Firm Registration Number F-9007

**WATER, SS & PAVING IMPROVEMENTS**  
VITRUVIAN PARK PUBLIC INFRASTRUCTURE BLOCK 500 A  
TOWN OF ADDISON, TEXAS  
**PAVING PLAN**  
**SPRING VALLEY RD - STA 3+00 TO 8+50**

DESIGN	DRAWN	DATE	SCALE	NOTES	Sheet No.
ICE	ICE	JAN 22, 2020	AS NOTED		<b>25</b>

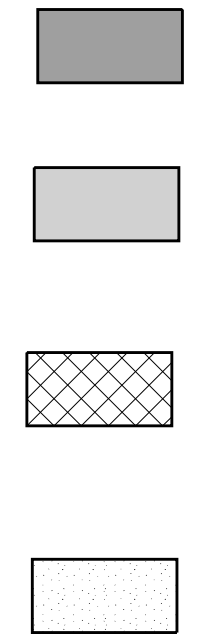
VITRUVIAN PARK BLOCK 500 A PUBLIC INFRASTRUCTURE - PROJECT NO. 5029-05



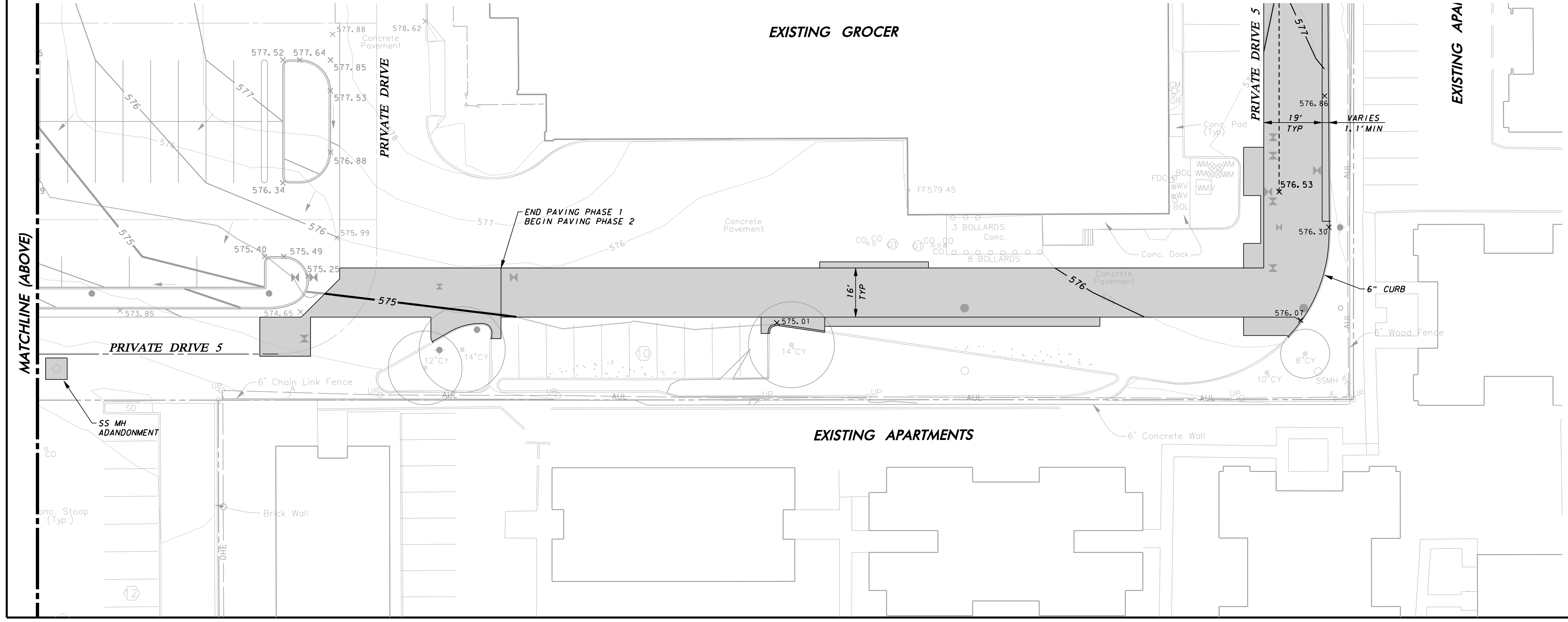
MATCHLINE (BELOW)

**LEGEND**

- STREET PAVEMENT:**  
10" 4200 PSI CONCRETE P.V.M.T. W/ #4 BARS @ 24" O.C.E.W. ON 6" COMPACTED SUBGRADE TO 95% AT OR ABOVE OPTIMUM MOISTURE CONTENT. (ASTM D 698)
- HEAVY DUTY PAVEMENT:**  
8" 4200 PSI CONCRETE P.V.M.T. W/ #4 BARS @ 18" O.C.E.W. ON 6" COMPACTED SUBGRADE TO 95% AT OR ABOVE OPTIMUM MOISTURE CONTENT. (ASTM D 698)
- STREETSCAPE PAVEMENT:**  
5" REINFORCED CONCRETE (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 PAVING DETAILS FOR LAYOUT & DIMENSION CONTROL AND FOR CONCRETE PAVER LAYOUTS AND PATTERNS
- SIDEWALK & FLATWORK:**  
4" REINFORCED CONCRETE SIDEWALK 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)



SEE MARSH LANE PLAN SHEET FOR PAVING IN THIS AREA



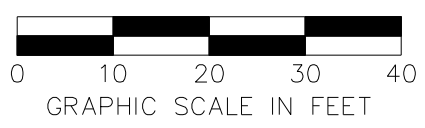
MATCHLINE (ABOVE)

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



NO.	REVISION	BY	DATE

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**WATER, SS & PAVING IMPROVEMENTS**  
VITRUVIAN PARK PUBLIC INFRASTRUCTURE BLOCK 500 A

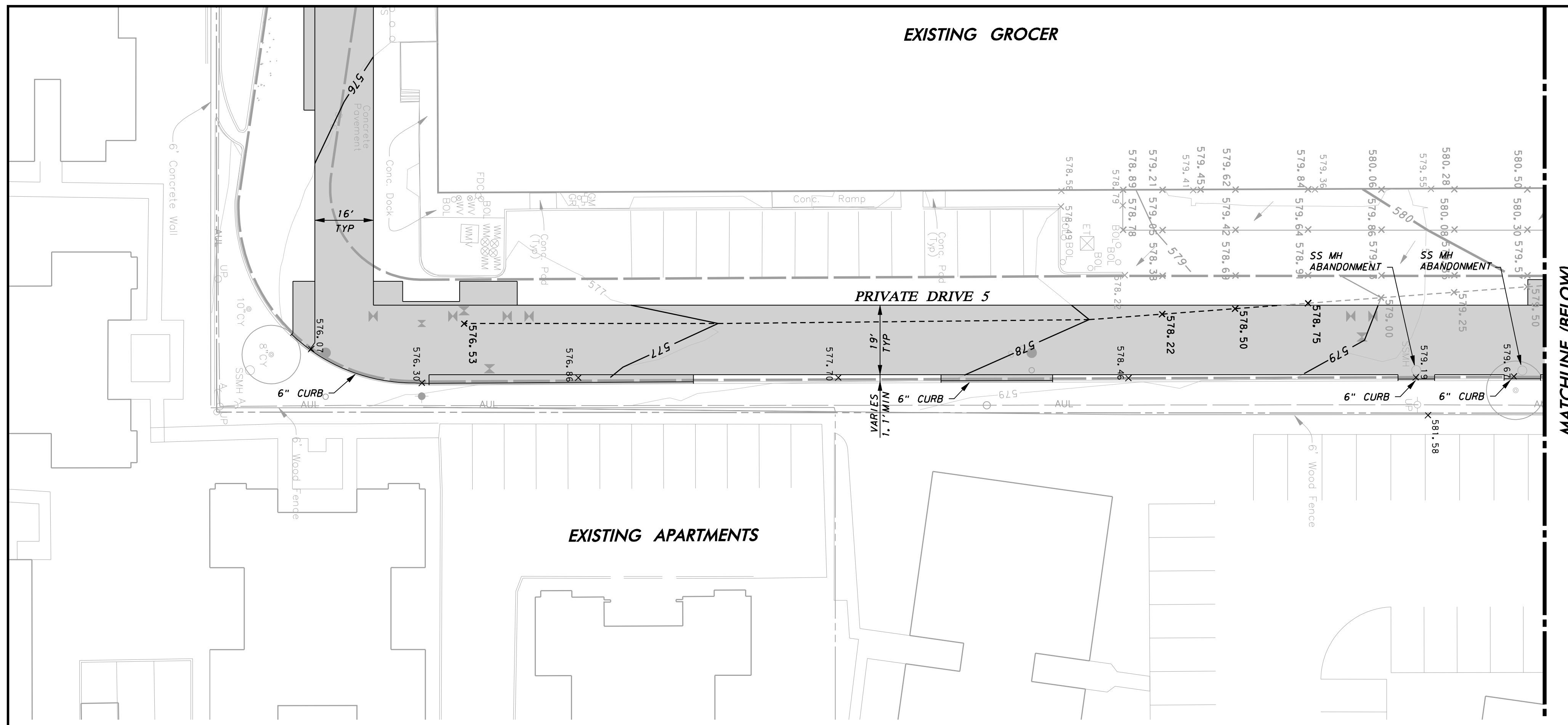
TOWN OF ADDISON, TEXAS

**PAVING PLAN**  
**SHOPPING CENTER - SOUTH**

DESIGN	DRAWN	DATE	SCALE	NOTES	Sheet No.
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VITRUVIAN PARK BLOCK 500 A PUBLIC INFRASTRUCTURE - PROJECT NO. 5029-05

EXISTING GROCE



MATCHLINE (BELOW)

**LEGEND**

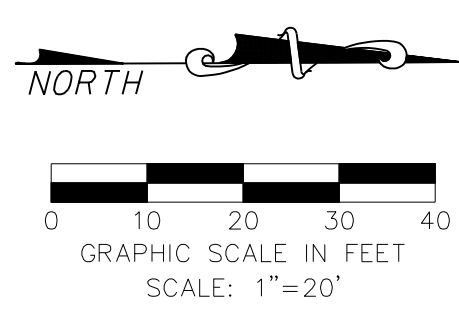
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- HEAVY DUTY PAVEMENT:**  
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- STREETSCAPE PAVEMENT:**  
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- SIDEWALK & FLATWORK:**  
4" REINFORCED CONCRETE SIDEWALK FLATWORK (3000 PSI AT 28 DAYS) W/ #3 BARS @ 18" O.C.E.W. ON 6" COMPACTED SUBGRADE TO 95% AT OR ABOVE OPTIMUM MOISTURE CONTENT. (ASTM D 698)

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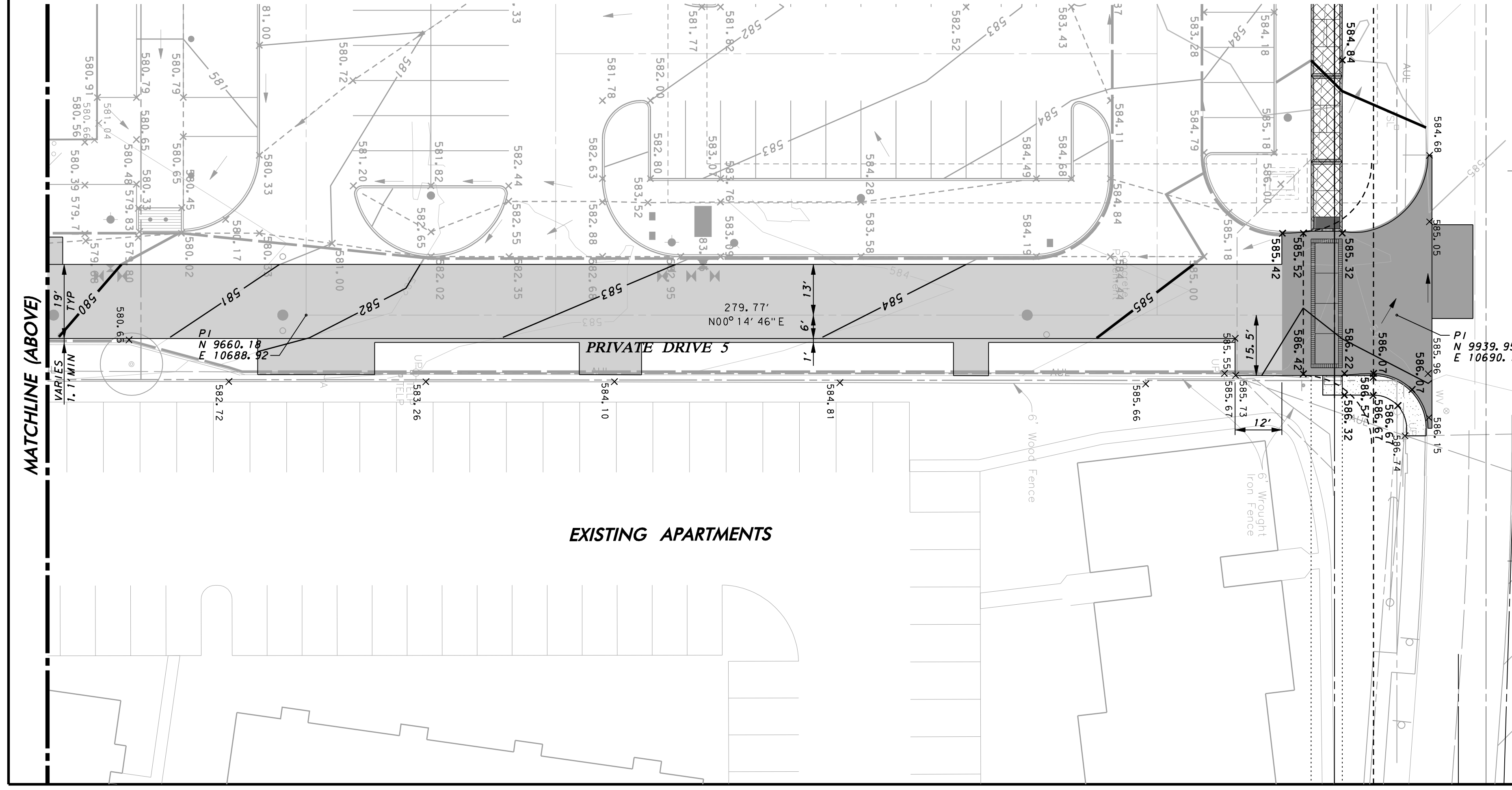
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SQUARE CUT IN TOP OF CURB, SOUTH MEDIAN END NOSE, MARSH LANE 1127' NORTH OF VITRUVIAN WAY.



SEE SPRING VALLEY PLAN SHEET FOR PAVING IN THIS AREA

SPRING VALLEY ROAD



MATCHLINE (ABOVE)

EXISTING APARTMENTS

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Engineering Firm Registration Number F-9007

**WATER, SS & PAVING IMPROVEMENTS**

VITRUVIAN PARK PUBLIC INFRASTRUCTURE BLOCK 500 A

TOWN OF ADDISON, TEXAS

**PAVING PLAN**  
**SHOPPING CENTER - EAST**

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VITRUVIAN PARK BLOCK 500 A PUBLIC INFRASTRUCTURE - PROJECT NO. 5029-05

**GENERAL GRADING AND PAVING NOTES:**

1. REFER TO SHEET 3 "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 FOLLOWING:
  - TOWN OF ADDISON (WATER, SEWER, SIGNALS)      ATMOS ENERGY (GAS)
  - ONCOR ELECTRIC DELIVERY                              VERIZON / MCI
  - AT&T (SOUTHWESTERN BELL)                              TIME-WARNER CABLE
  - CHARTER 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 A "PAYMENT, 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.
9. BONDS SHALL BE FOR A PERIOD OF TWO YEARS BEGINNING WITH THE DATE OF FINAL ACCEPTANCE BY THE TOWN.
10. 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.
11. THE TOWN OF ADDISON INFRASTRUCTURE DEPARTMENT WILL APPROVE AND/OR DETERMINE THE TRAFFIC CONTROL PLAN AND WORKING HOURS. CONTACT THE CITY ENGINEER AT (972) 450-2849 OR THE INFRASTRUCTURE INSPECTOR AT (972) 450-2847. 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.
12. TEMPORARY OR PERMANENT BARRICADES SHALL REMAIN AT ALL POINTS OF INGRESS OR EGRESS TO PREVENT PUBLIC USE UNTIL THE WORK RECEIVES FINAL ACCEPTANCE.
13. 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.
14. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ADEQUATE DRAINAGE AT ALL TIMES DURING CONSTRUCTION, INCLUDING PROVIDING ALL TEMPORARY STRUCTURES OR IMPROVEMENTS AS NECESSARY FOR THE SAFETY OF THE PUBLIC.
15. ANY ADJACENT PROPERTIES AFFECTED BY THE CONTRACTOR'S CONSTRUCTION OPERATIONS SHALL BE RESTORED TO PRE-CONSTRUCTION CONDITIONS, OR BETTER.
16. 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.
17. BURNING SHALL NOT BE PERMITTED ON THE PROJECT SITE UNLESS APPROVED IN WRITING BY THE GOVERNING AUTHORITIES.
18. 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.
19. 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.
20. 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 MATERIALS. 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.
21. 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.
22. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MASS GRADING OF THE SITE TO THE FOLLOWING ELEVATIONS:
  - 10" 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
23. 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.
24. 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.
25. 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.
26. 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.
27. THE CONTRACTOR SHALL VERIFY THE ELEVATION, CONFIGURATION, AND ANGLULATION 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, THE CONTRACTOR SHALL PROVIDE HORIZONTAL DOWEL BARS PER THE DETAILS.
28. 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 INFRASTRUCTURE DEPARTMENT (972-450-2871).
29. 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.
30. PREPARATION 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 TOPROCEED HAS BEEN RECEIVED FROM THE INSPECTOR.
31. 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 (P-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.
32. 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.
33. CONCRETE SHOULD BE PORTLAND CEMENT CONCRETE, CONFORMING TO THE REQUIREMENTS OF TxDOT ITEM 421, PORTLAND CEMENT CONCRETE CLASS "P".
34. HYDRATED LIME (IF REQUIRED) SHALL MEET THE REQUIREMENTS OF TxDOT ITEM 260, LIME TREATMENT USED AS SUBGRADE. LIME SHALL BE APPLIED 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.
35. 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.
36. ALL CURB SHOWN IS TO BE SIX (6) INCHES HIGH.
37. EXPANSION JOINT MATERIAL SHALL EXTEND COMPLETELY THROUGH THE CURB.
38. 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.
39. 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.
40. 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. COPIES 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.
41. 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.
42. CONSTRUCTION OF SIDEWALKS, WHEELCHAIR RAMPS AND ACCESSIBLE ROUTES SHALL BE IN ACCORDANCE WITH THE TEXAS ACCESSIBILITY STANDARDS (TAS), THE AMERICANS DISABILITY ACT (ADA) AND THE PUBLIC RIGHT OF WAY ACCESSIBILITY GUIDELINES (PROWAG). ALL CONCRETE FOR HANDICAP RAMPS SHALL HAVE TRUNCATED DOMES.
43. 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 AND/OR PROWAG STANDARDS.
44. 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.
45. THE CONTRACTOR SHALL ASSUME RESPONSIBILITY FOR REPAIRS TO ALL EXISTING FACILITIES DAMAGED BY HIS ACTIVITIES.
46. 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 HEAT 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 AT A 90° ANGLE.
  - 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.
47. THE CONTRACTOR SHALL PROVIDE VERIFICATION OF COMPLETION AND COMPLIANCE OF ANY AND ALL REQUIRED TESTS TO THE TOWN OF ADDISON.
48. THE CONTRACTOR SHALL CALL (972) 450-2847 TO REQUEST A FINAL WALK-THROUGH INSPECTION OF THE PUBLIC INFRASTRUCTURE WORK.



NO.	REVISION	BY	DATE

**icon Consulting Engineers, Inc.**      2840 W. Southlake Blvd., Suite 110  
 Civil Engineers - Designers - Planners      Southlake, Tx 76092 (817) 552-6210  
 Engineering Firm      Registration Number F-9007

**WATER, SS & PAVING IMPROVEMENTS**

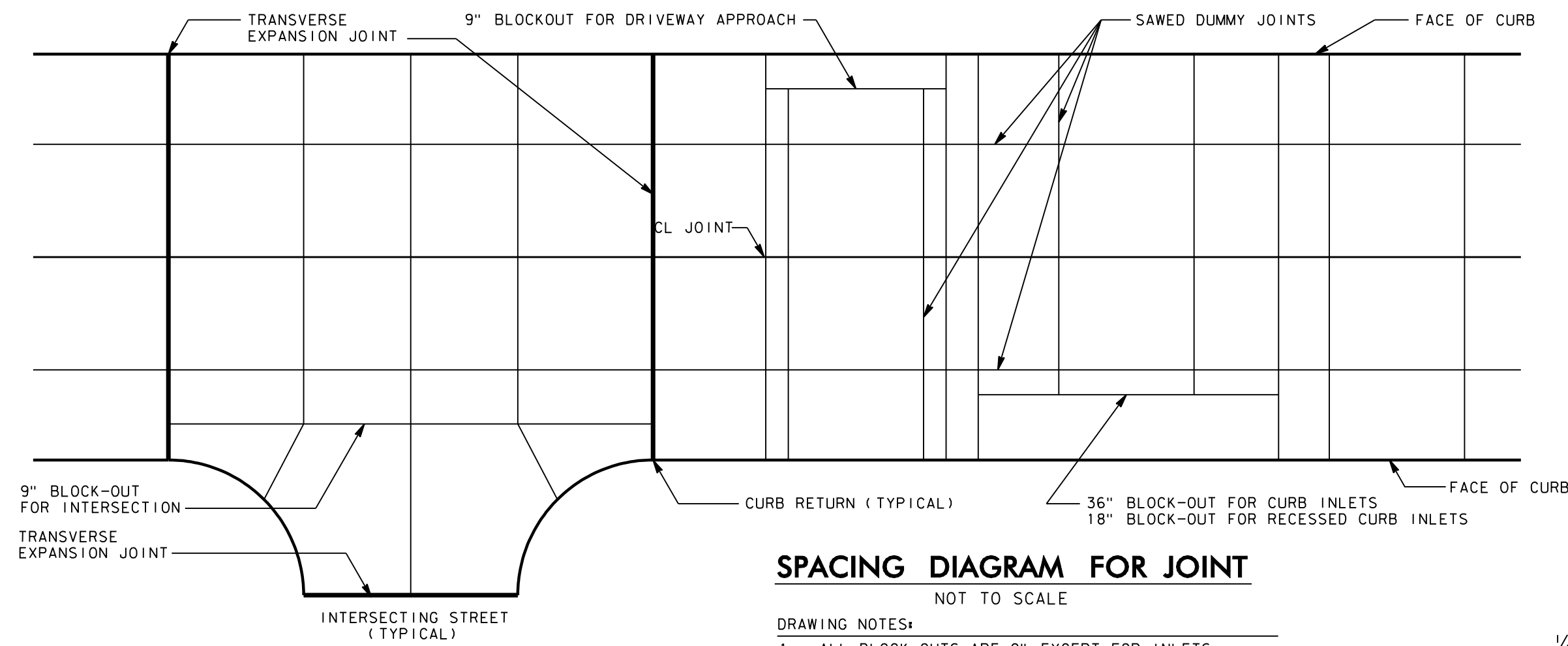
**VITRUVIAN PARK PUBLIC INFRASTRUCTURE BLOCK 500 A**

**TOWN OF ADDISON, TEXAS**

**PAVING NOTES & DETAILS**

DESIGN	DRAWN	DATE	SCALE	NOTES	Sheet No.
ICE	ICE	JAN 22, 2020	AS NOTED		28

VITRUVIAN PARK BLOCK 500 A PUBLIC INFRASTRUCTURE - PROJECT NO. 5029-05



**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.

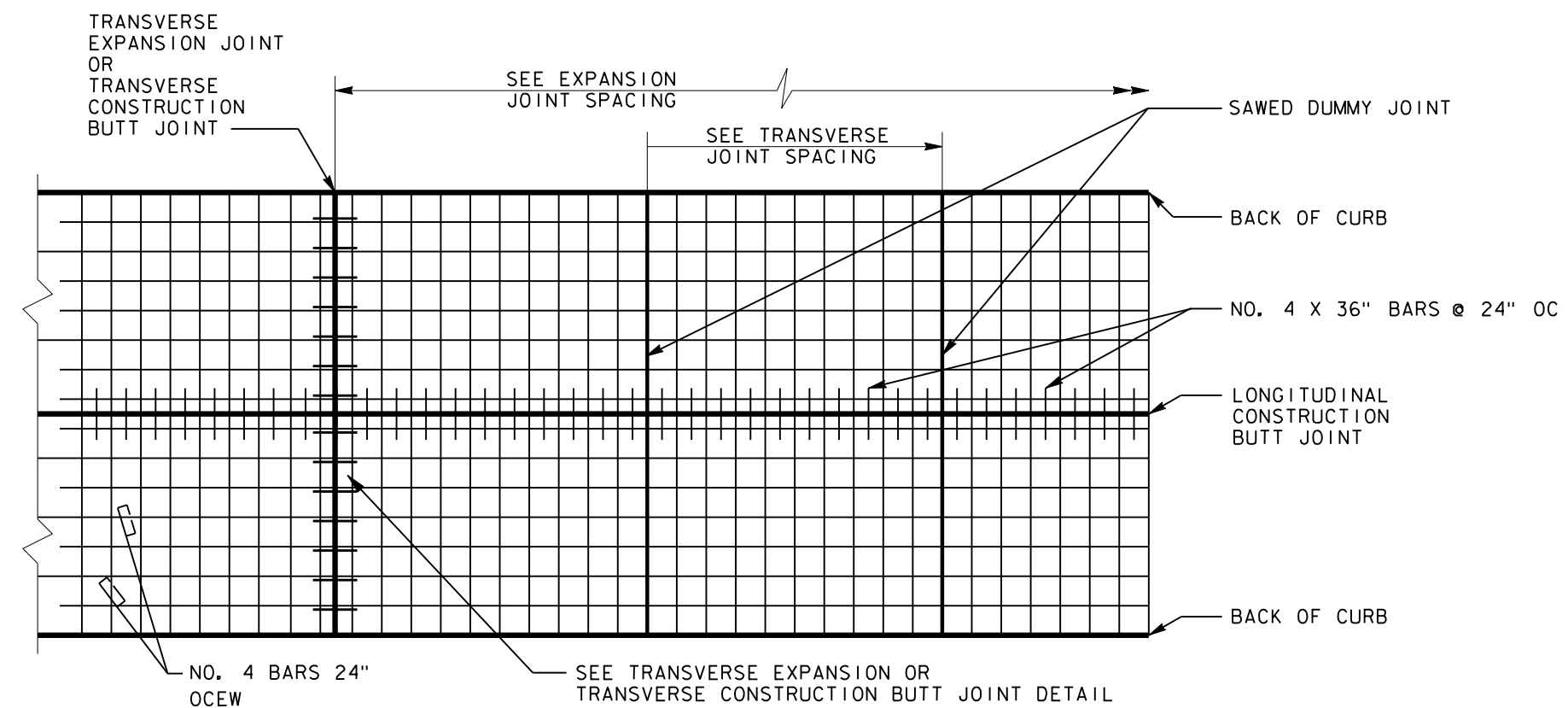
TRANSVERSE JOINT SPACING	
PAVEMENT THICKNESS	SPACING
T = 5"	10 FEET
T = 6"	12 FEET
T = 7"	14 FEET
T = 8" OR 10"	16 FEET

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

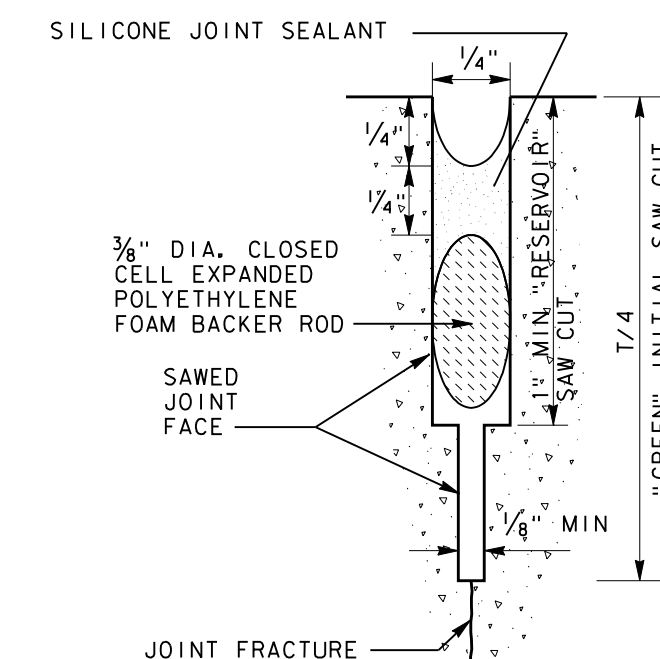
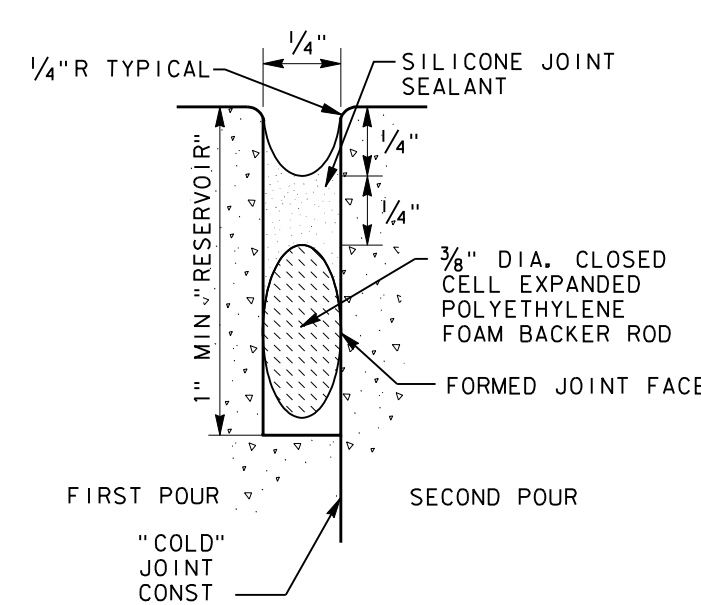
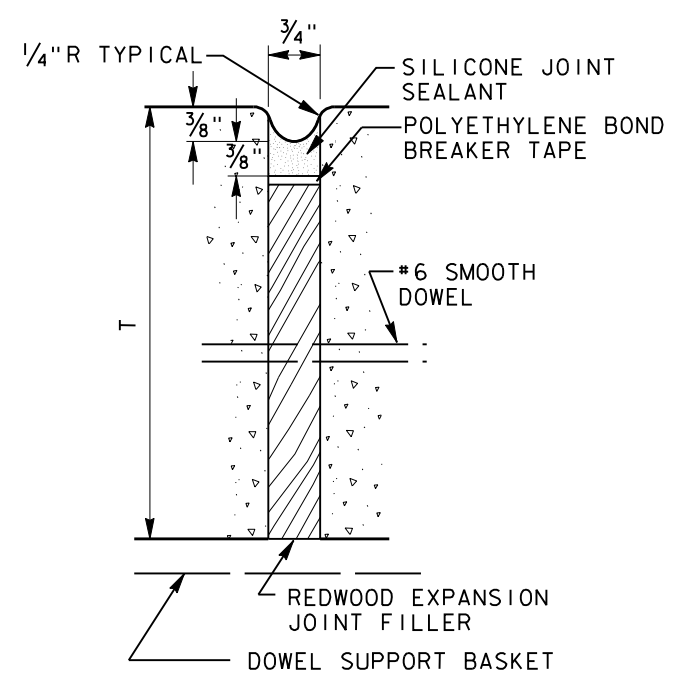
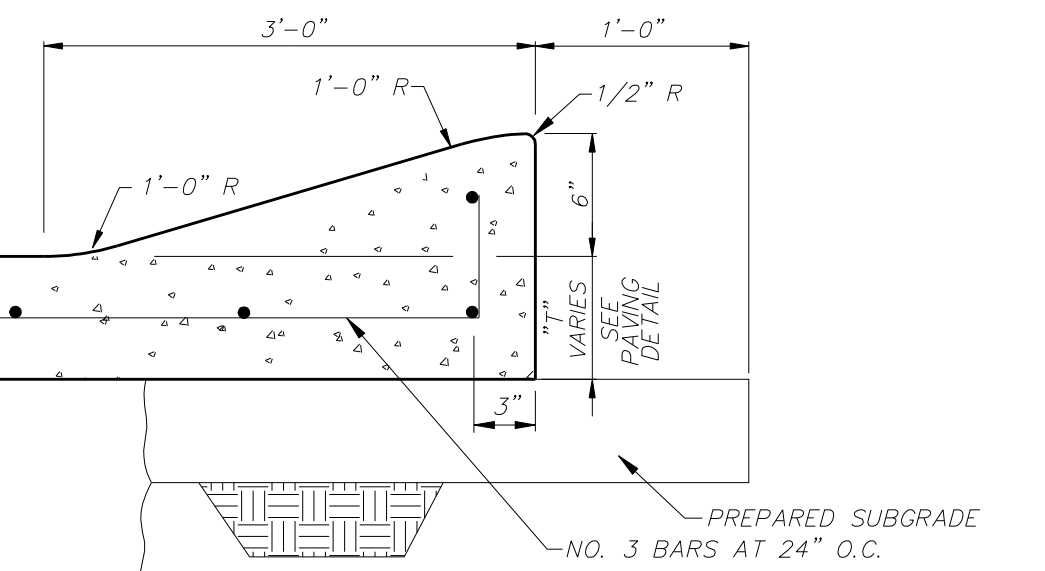
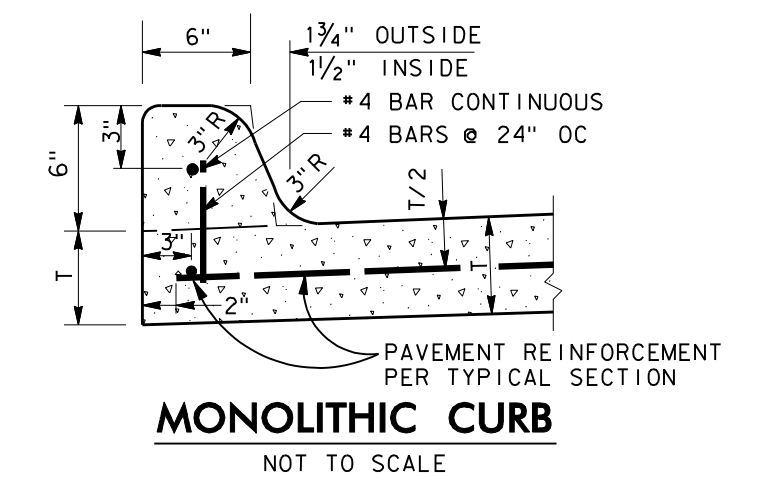
LONGITUDINAL JOINT SPACING	
STREET WIDTH	SPACING
22' TO 30'	ON CL
22' W/PP	ON CL & 8' FROM BACK OF CURB
38'	6' LT & RT OFF CL
44'	ON CL AND 11' OFF CL
48'	ON CL AND 12' OFF CL
60'	6' AND 18' OFF CL
76'	8', 20' AND 32' OFF CL

JOINT DEPTH	
PAVEMENT THICKNESS	JOINT DEPTH
T = 5"	1 1/4"
T = 6"	1 1/2"
T = 7"	1 3/4"
T = 8" OR 10"	2"

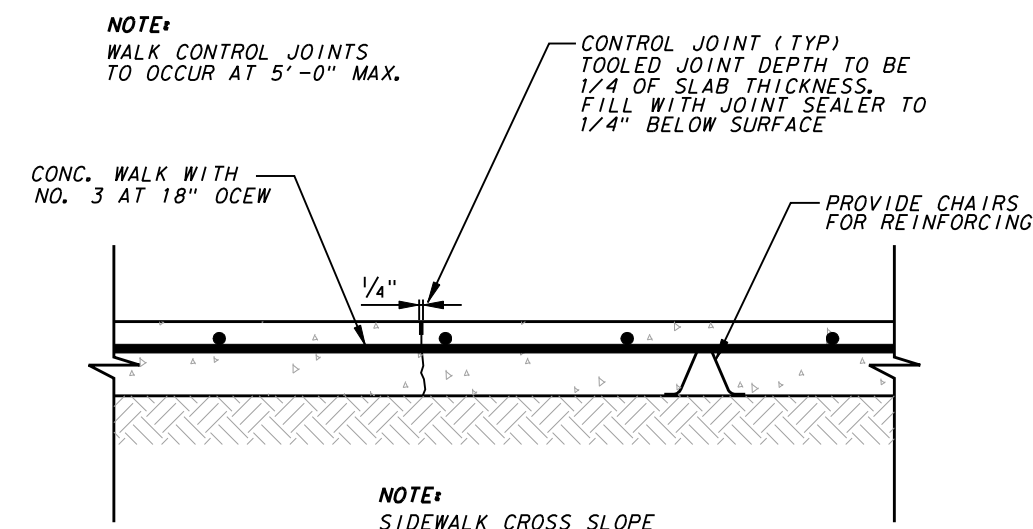
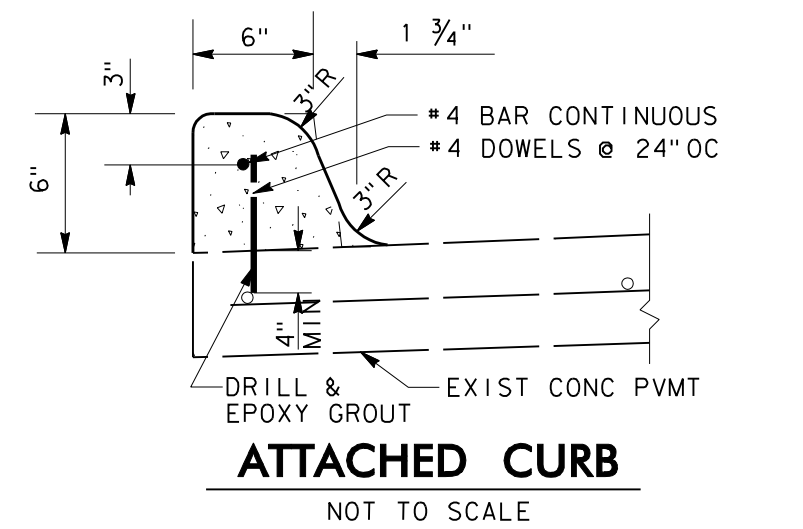


**PLAN OF STEEL LAYOUT**  
NOT TO SCALE

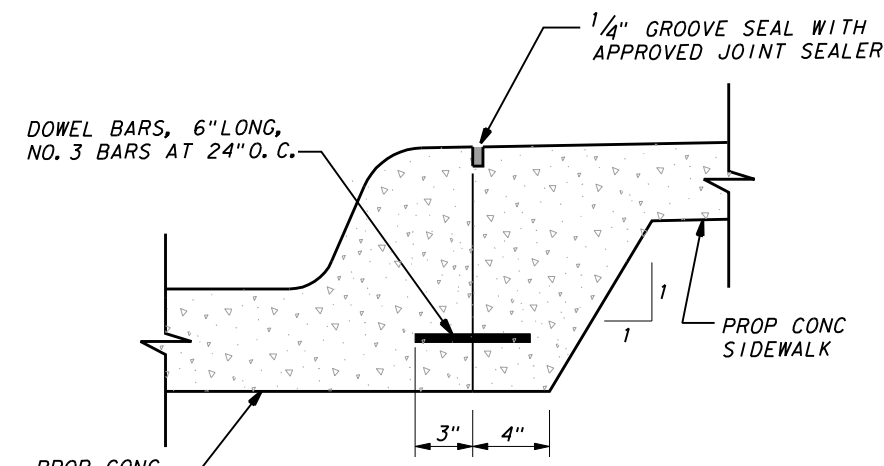
- NOTES:  
 1. THE REINFORCING STEEL WILL EXTEND THROUGH LONGITUDINAL CONSTRUCTION BUTT, SAWED DUMMY, AND TRANSVERSE CONSTRUCTION BUTT JOINTS.



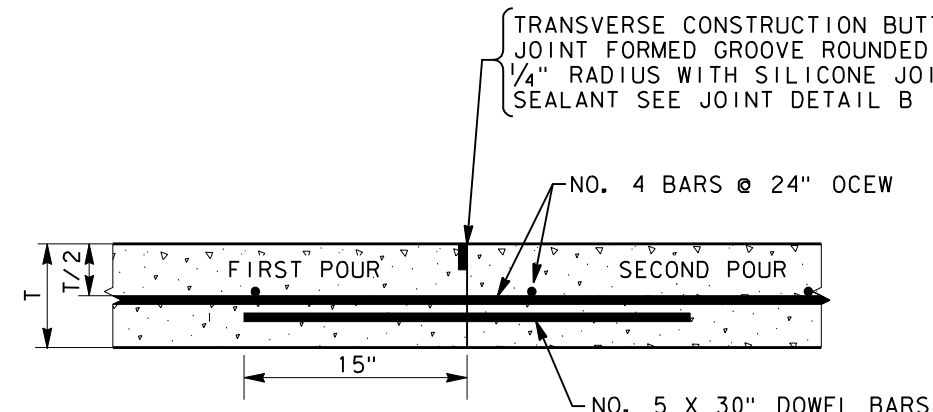
**6\"/>**



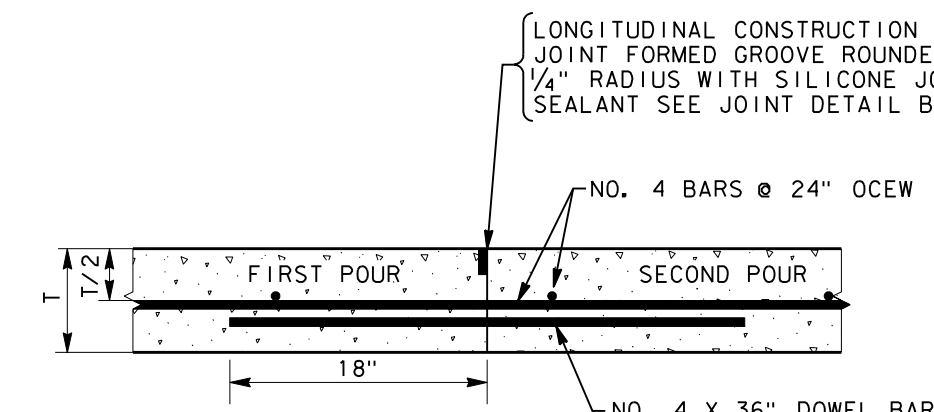
**SIDEWALK CONTROL JOINT**  
NOT TO SCALE



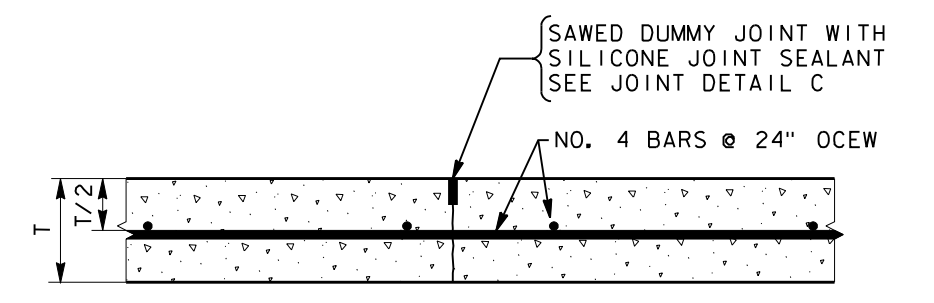
**JOINT DETAIL FOR SIDEWALK ADJACENT TO CURB**  
NOT TO SCALE



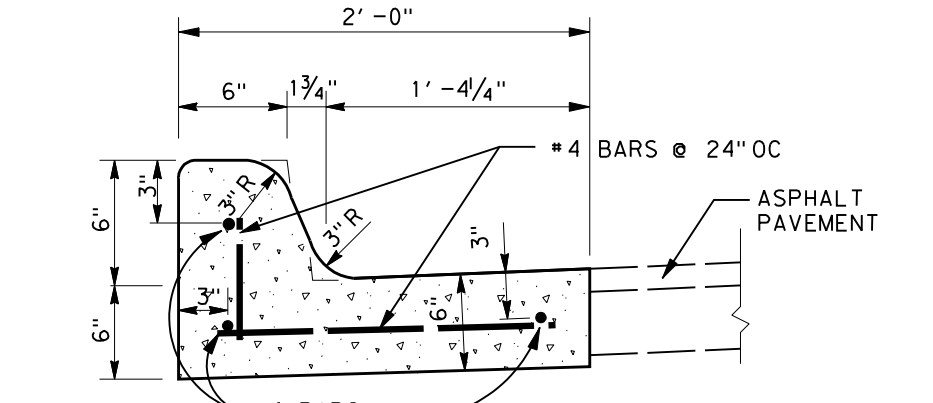
**TRANSVERSE CONSTRUCTION BUTT JOINT**  
NOT TO SCALE



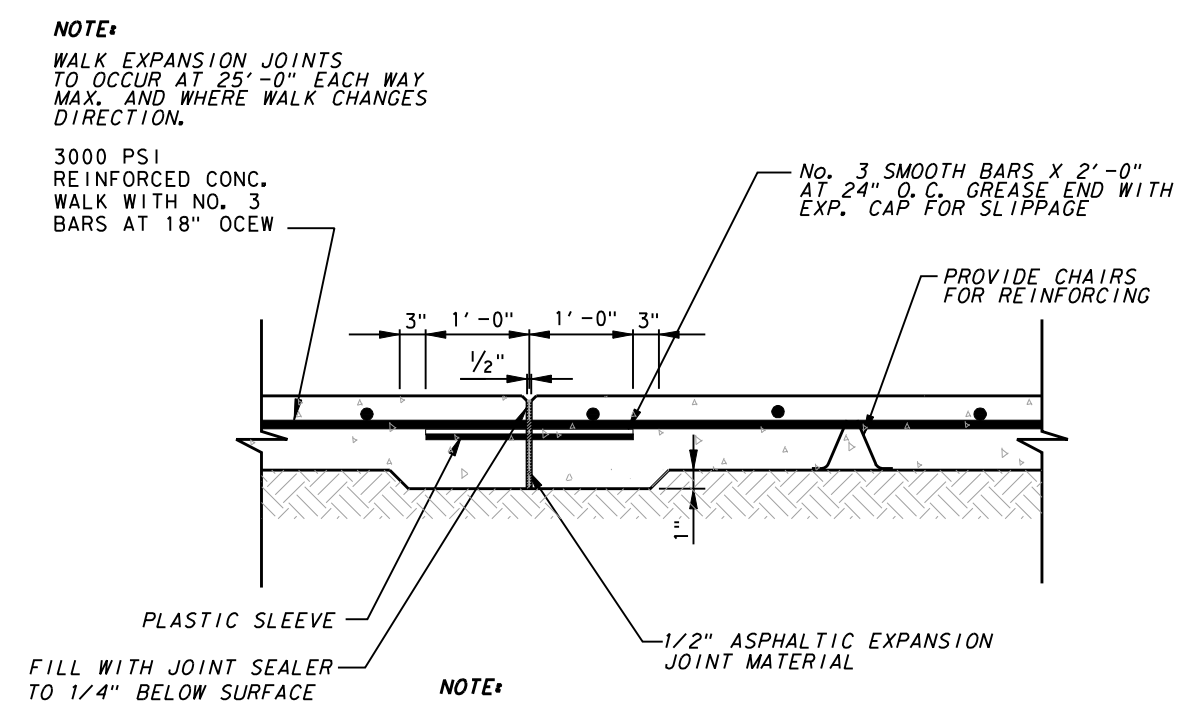
**LONGITUDINAL CONSTRUCTION BUTT JOINT**  
NOT TO SCALE



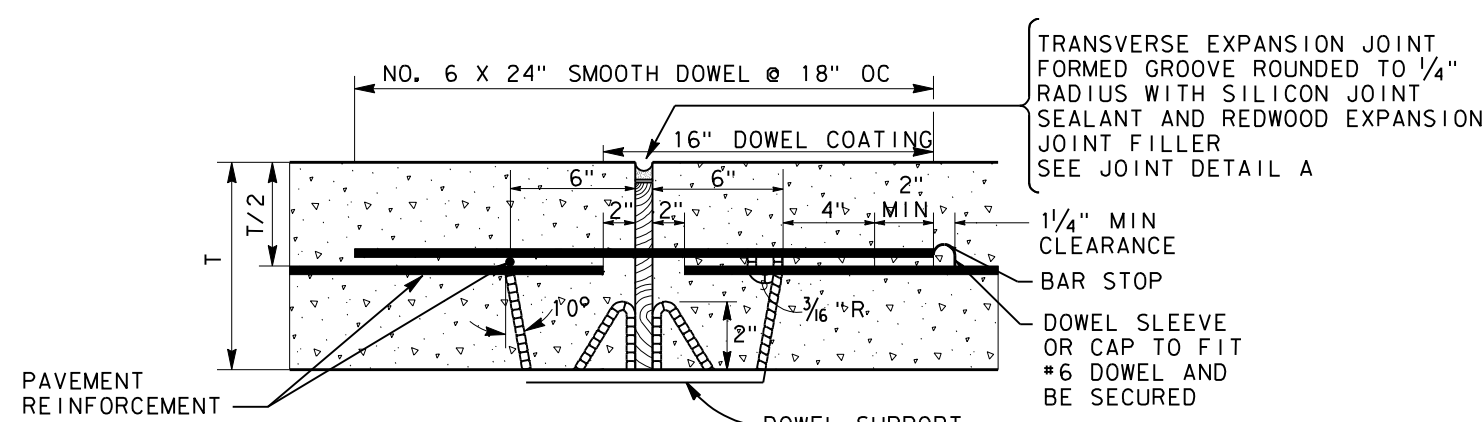
**TRANSVERSE OR LONGITUDINAL SAWED DUMMY JOINT**  
NOT TO SCALE



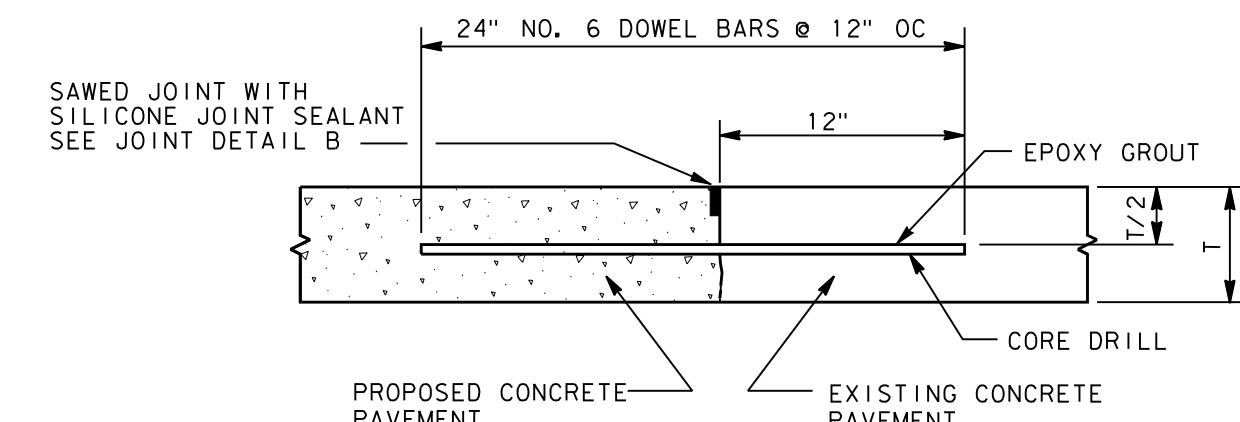
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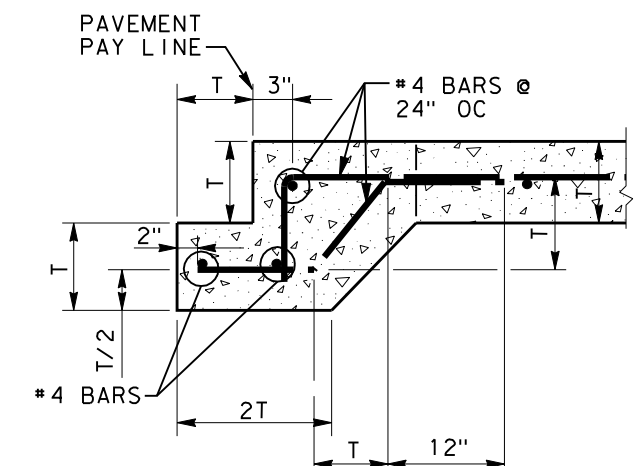
**SIDEWALK EXPANSION JOINT**  
NOT TO SCALE



**TRANSVERSE EXPANSION JOINT**  
NOT TO SCALE



**PROPOSED TO EXISTING CONCRETE PAVEMENT**  
NOT TO SCALE



**CONCRETE STREET HEADER**  
NOT TO SCALE



NO.	REVISION	BY	DATE

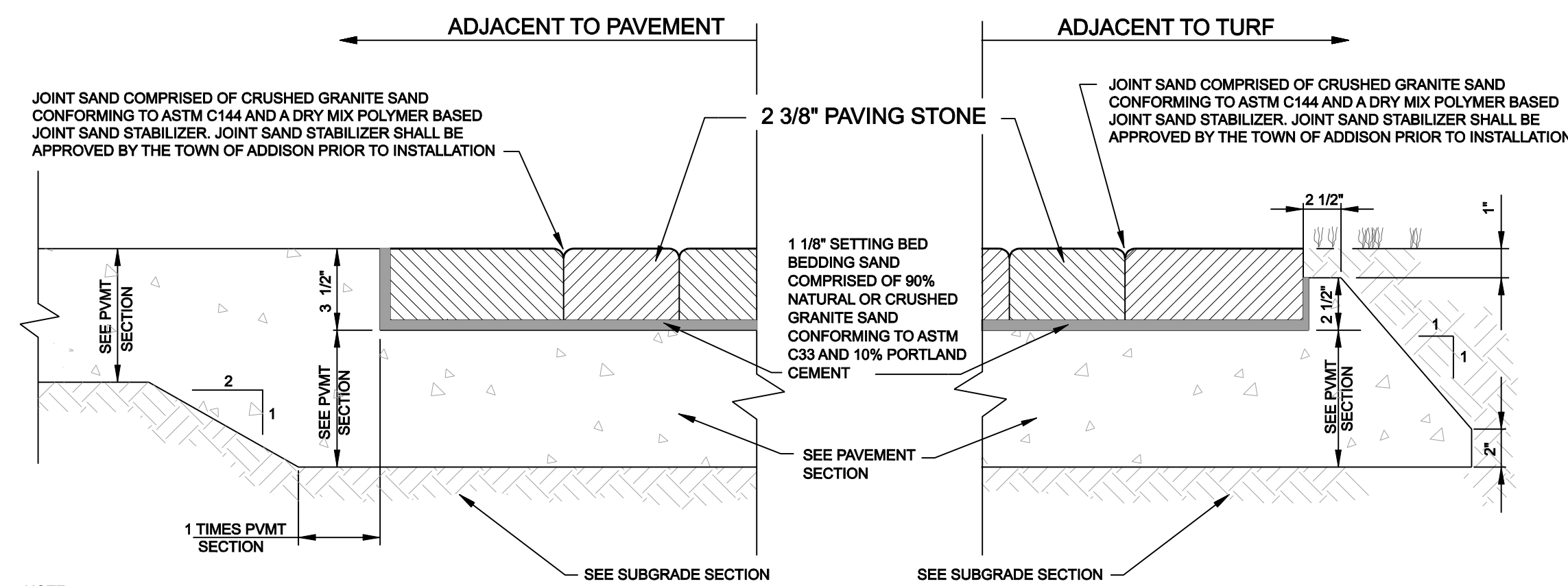
**icon Consulting Engineers, Inc.** 2840 W. Southlake Blvd., Suite 110  
 Civil Engineers - Designers - Planners Southlake, TX 76092 (817) 552-6210  
 Engineering Firm Registration Number F-9007

**WATER, SS & PAVING IMPROVEMENTS**  
**VITRUVIAN PARK PUBLIC INFRASTRUCTURE BLOCK 500 A**  
**TOWN OF ADDISON, TEXAS**

**PAVING DETAILS**

DESIGN	DRAWN	DATE	SCALE	NOTES	Sheet No.
ICE	ICE	JAN 22, 2020	AS NOTED		29

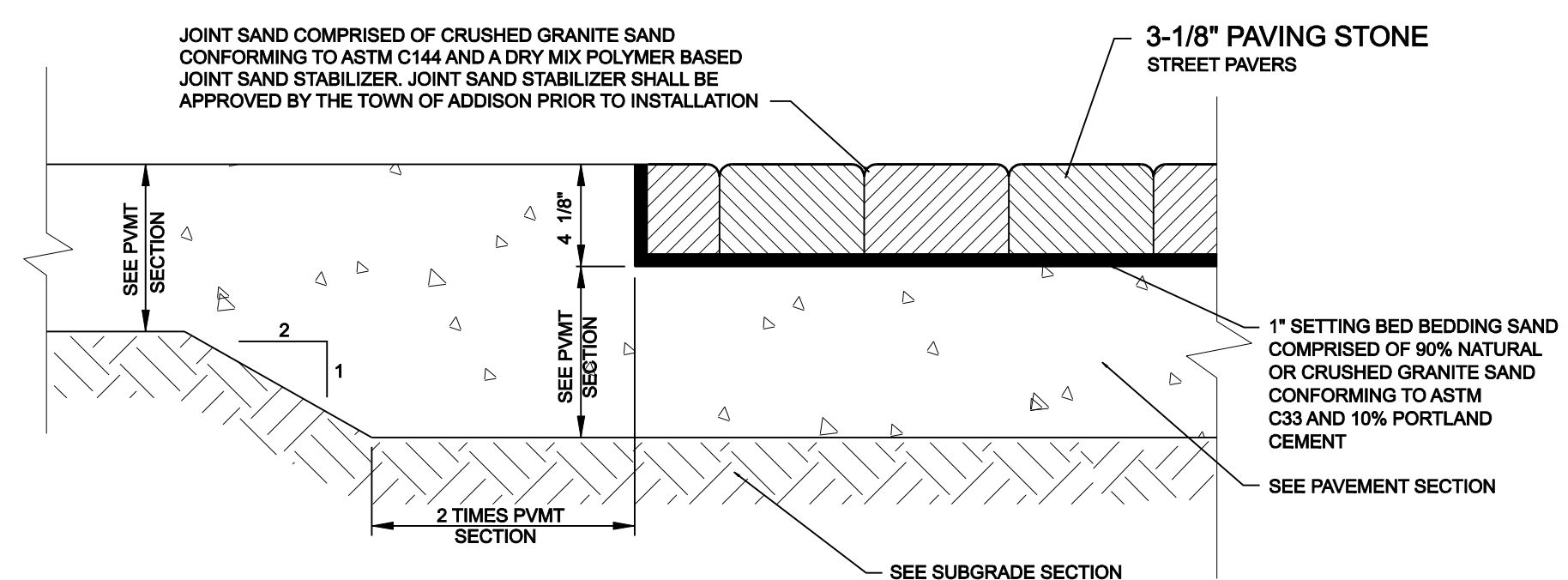
VITRUVIAN PARK BLOCK 500 A PUBLIC INFRASTRUCTURE - PROJECT NO. 5029-05



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

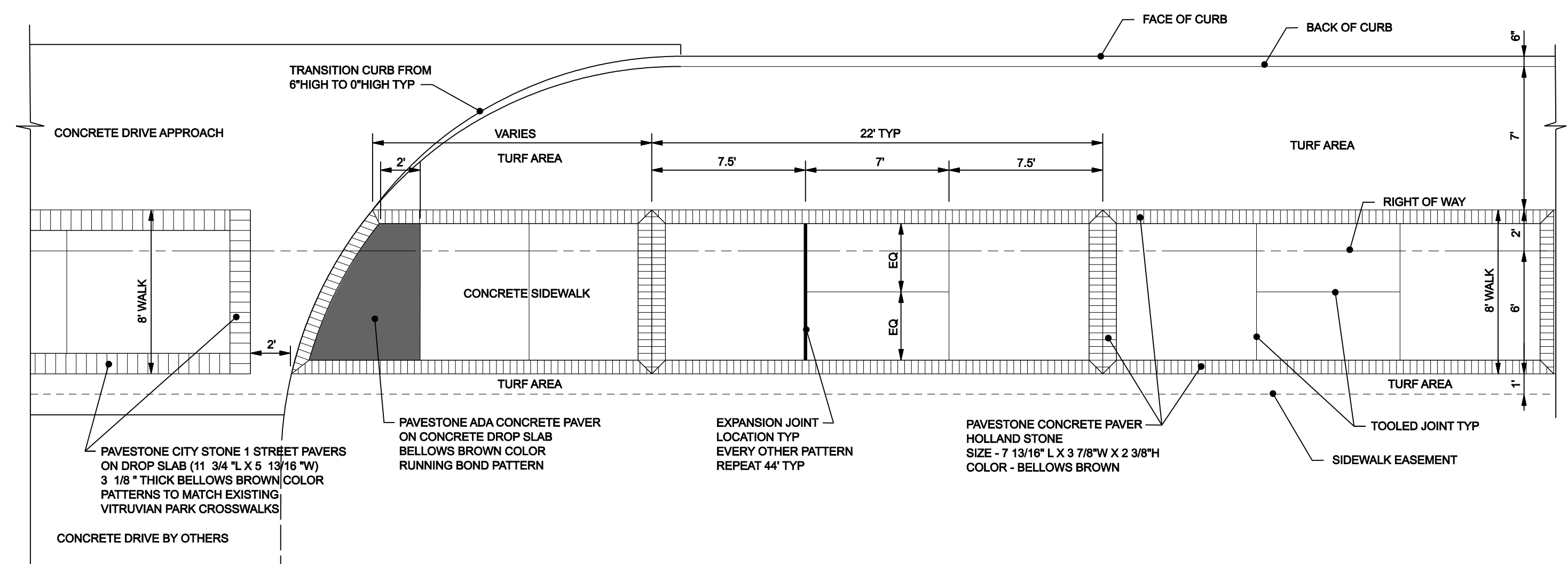
NOTE:  
CONTRACTOR SHALL CONFIRM THICKNESS OF FINAL PAVER SELECTION PRIOR TO POURING DROP SLABS IN THE SIDEWALKS OR STREETS

**PAVERS ON CONCRETE DROP SLAB**  
NOT TO SCALE

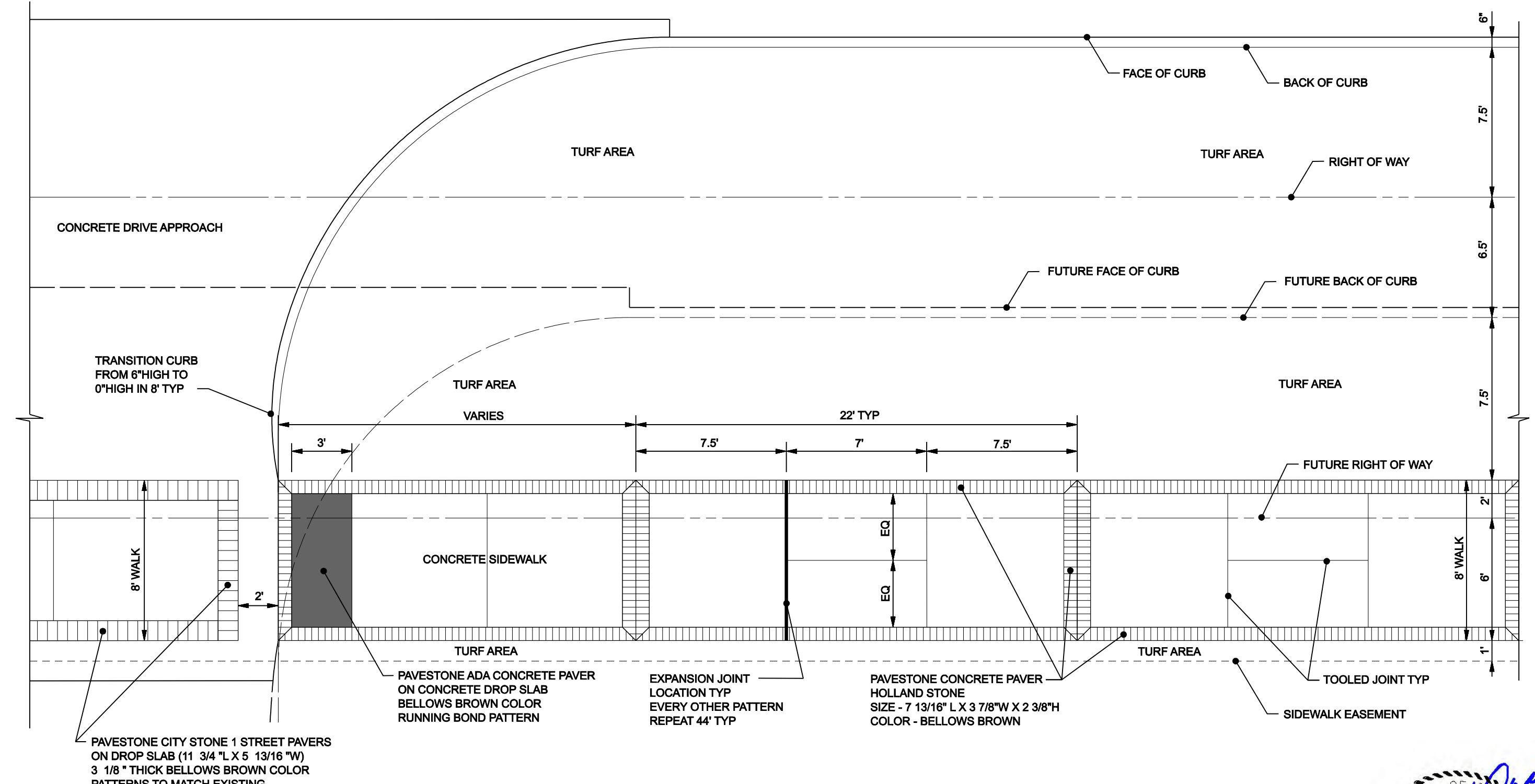


NOTE:  
CONTRACTOR SHALL CONFIRM THICKNESS OF FINAL PAVER SELECTION PRIOR TO POURING DROP SLABS IN THE SIDEWALKS OR STREETS

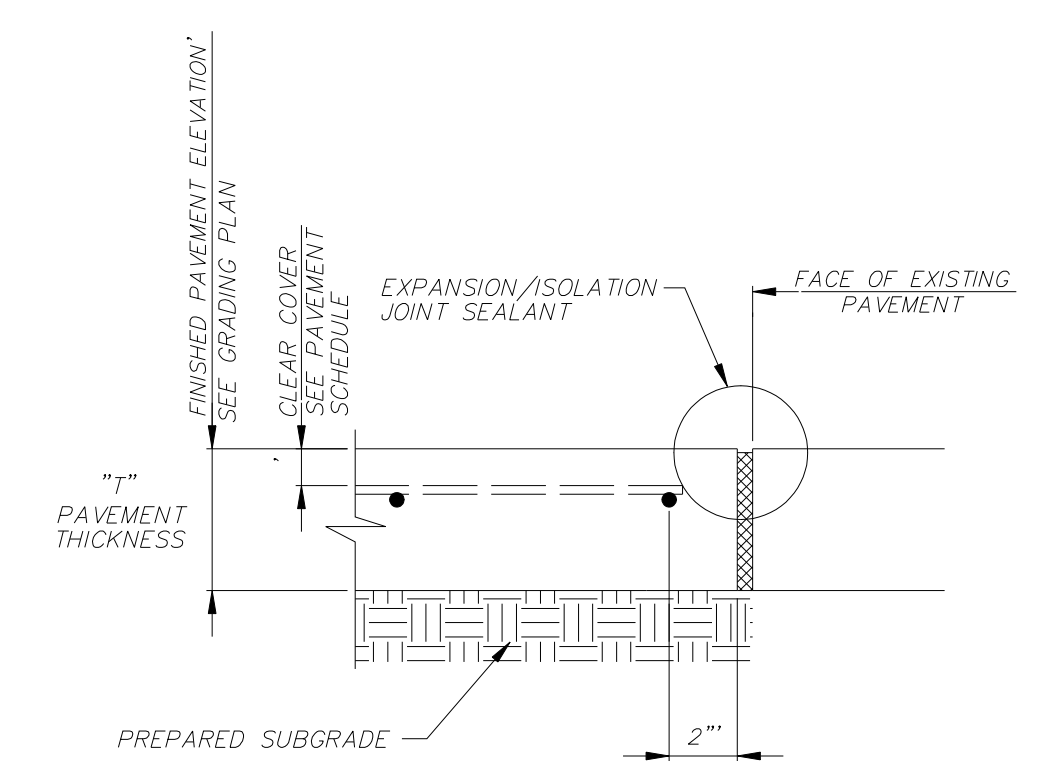
**STREET PAVERS ON CONCRETE DROP SLAB**  
NOT TO SCALE



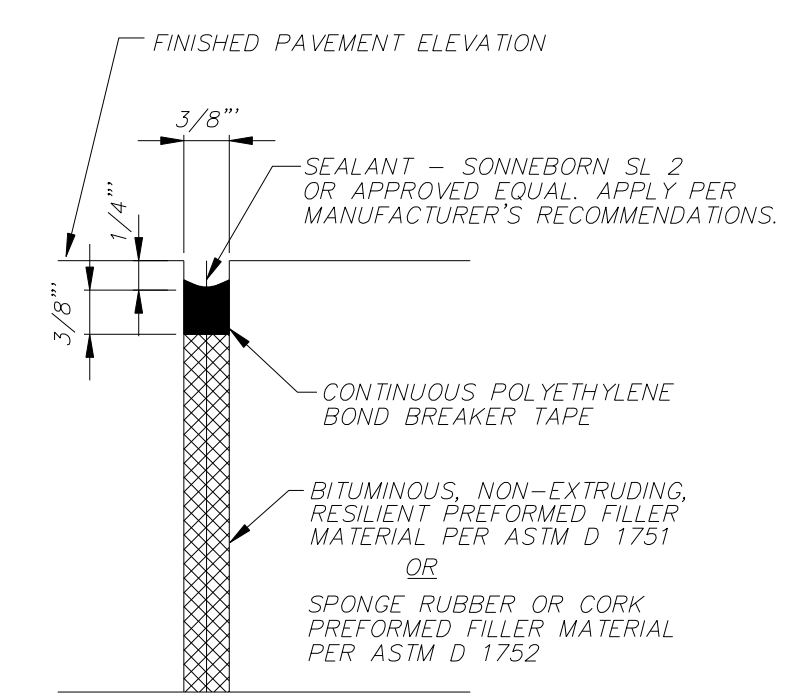
**TYPICAL STREETSCAPE PLAN - MARSH LANE**  
SCALE: 1"=5'



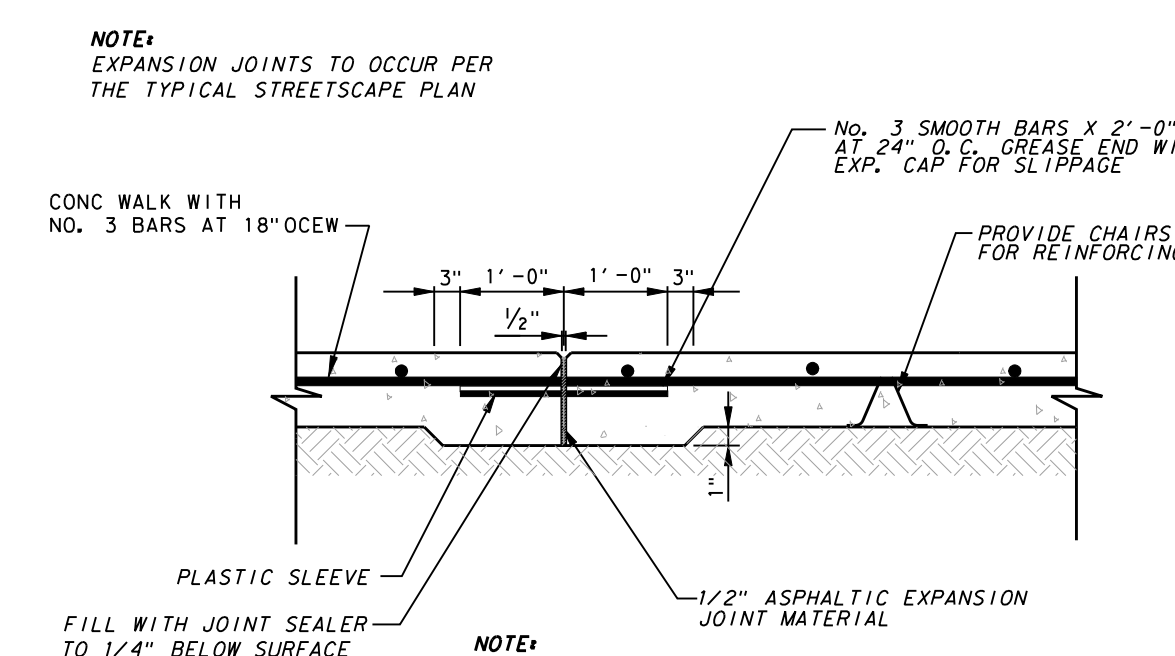
**TYPICAL STREETSCAPE PLAN - SPRING VALLEY ROAD**  
SCALE: 1"=5'



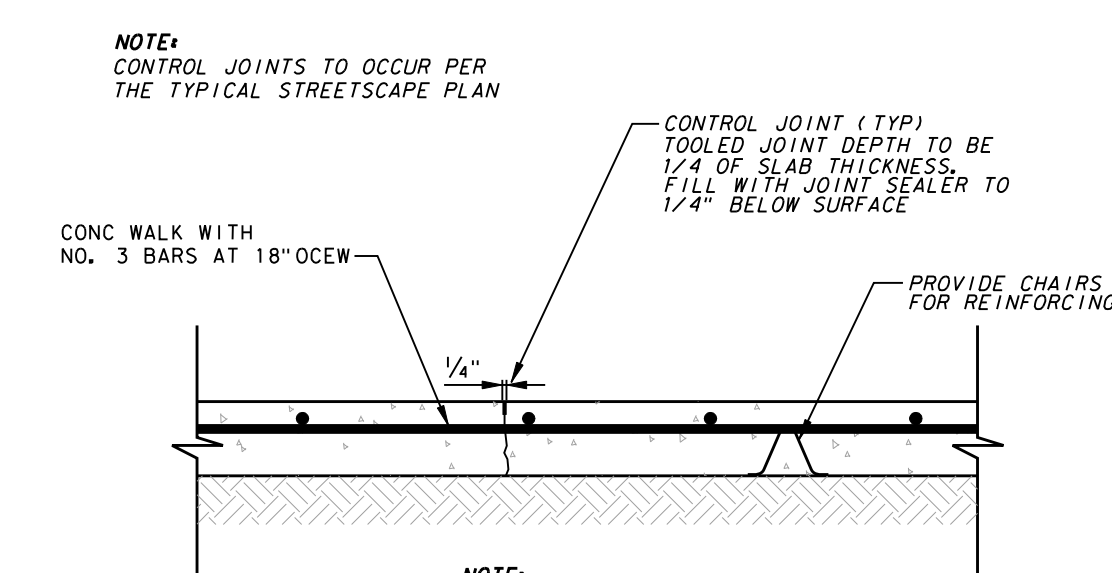
**EXPANSION / ISOLATION JOINT**  
NOT TO SCALE



**EXPANSION / ISOLATION JOINT SEALANT**  
NOT TO SCALE



**STREETSCAPE SIDEWALK EXPANSION JOINT**  
NOT TO SCALE



**STREETSCAPE SIDEWALK CONTROL JOINT**  
NOT TO SCALE



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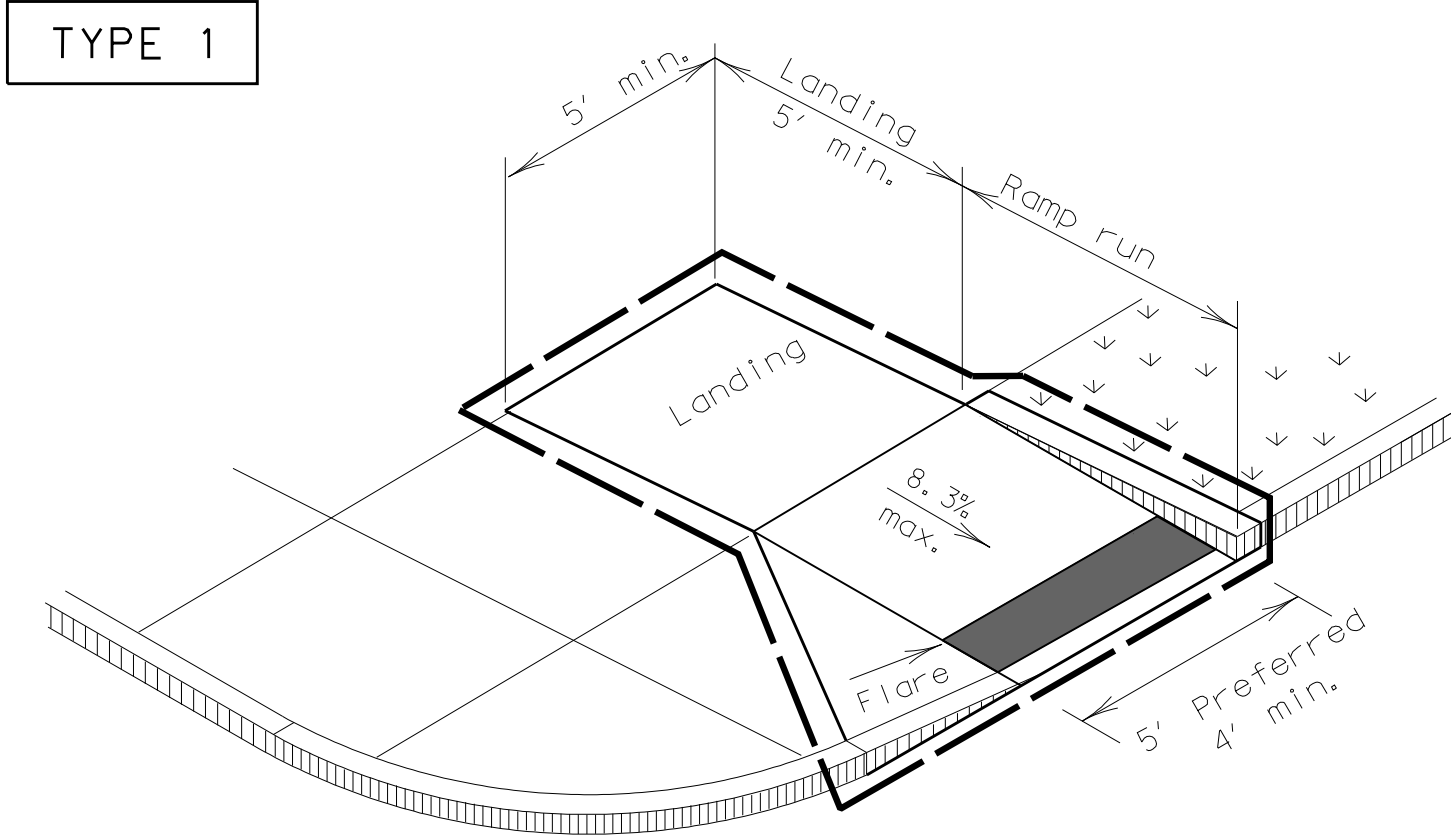
**WATER, SS & PAVING IMPROVEMENTS**  
**VITRUVIAN PARK PUBLIC INFRASTRUCTURE BLOCK 500 A**  
**TOWN OF ADDISON, TEXAS**

**PAVING DETAILS - STREETSCAPE**

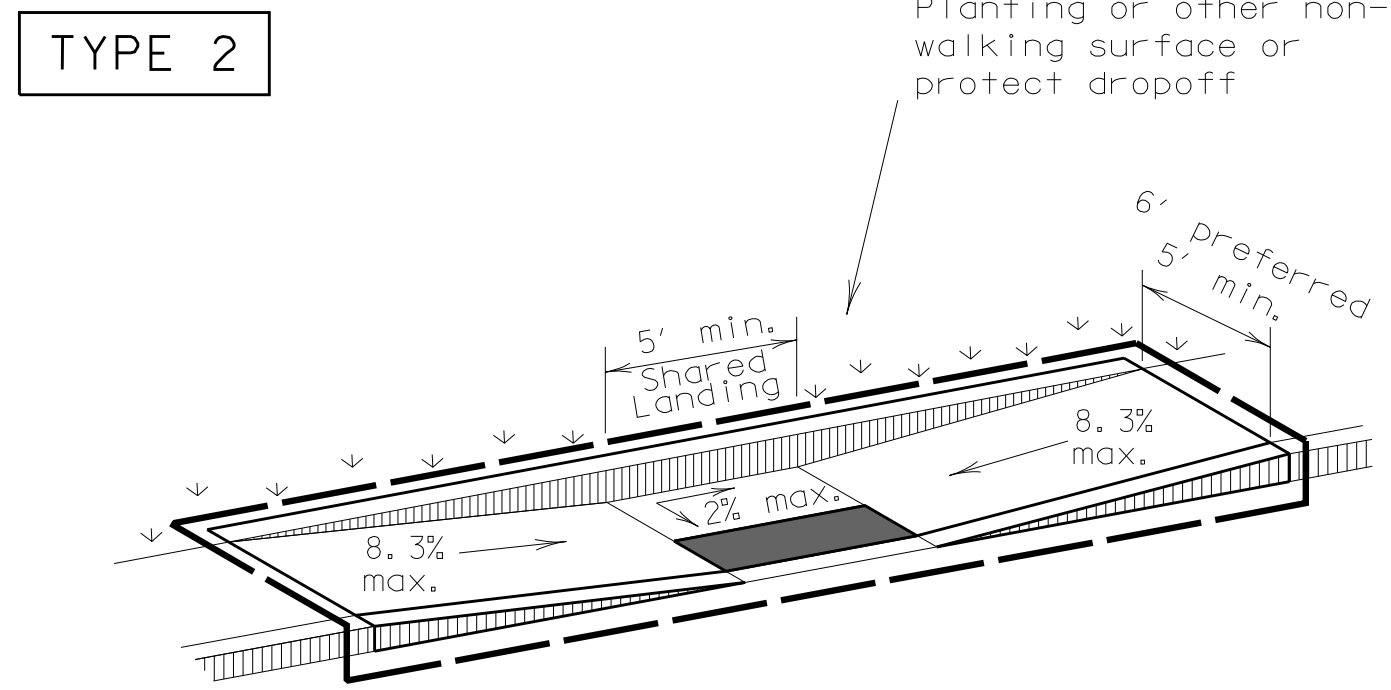
DESIGN	DRAWN	DATE	SCALE	NOTES	Sheet No.
ICE	ICE	JAN 22, 2020	AS NOTED		30

VITRUVIAN PARK BLOCK 500 A PUBLIC INFRASTRUCTURE - PROJECT NO. 5029-05

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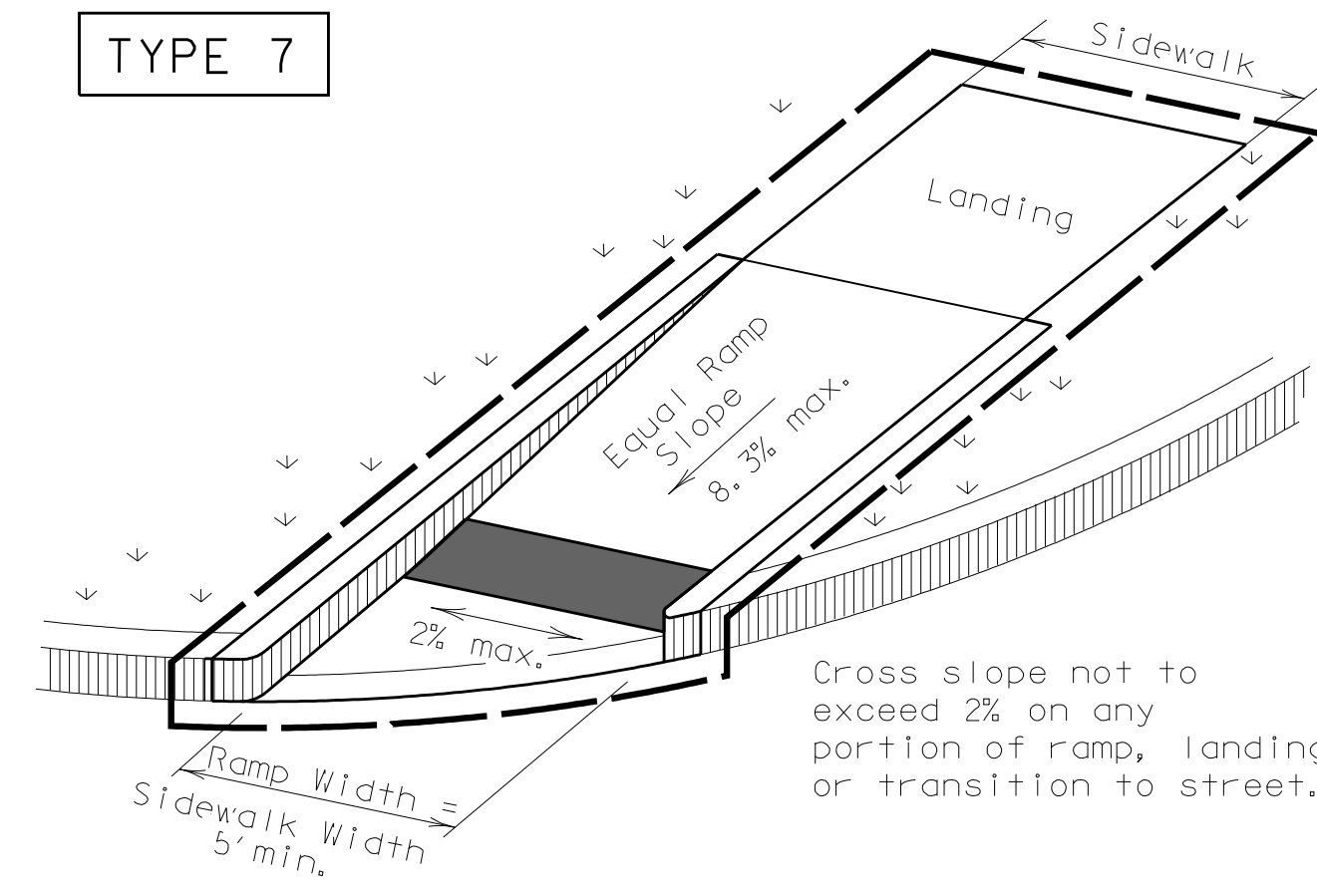


PERPENDICULAR CURB RAMP

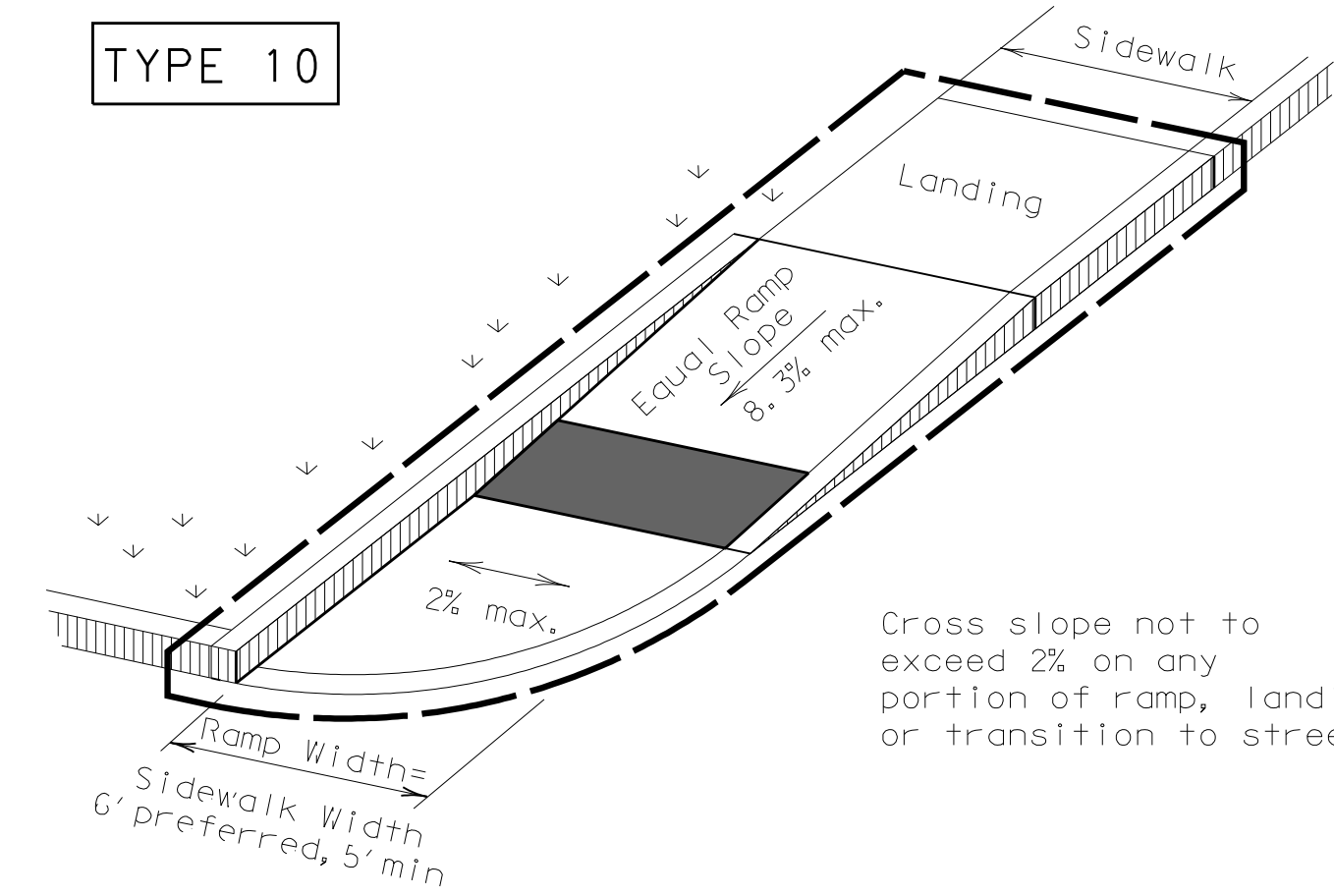


PARALLEL CURB RAMP

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



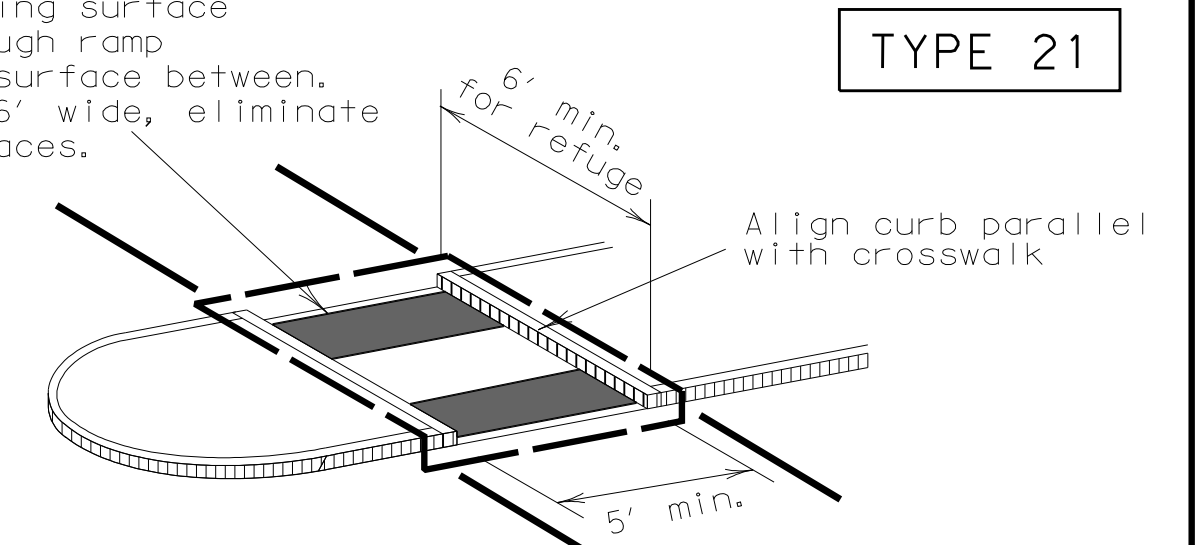
(Sidewalk set back from curb)



(Sidewalk adjacent to curb)

DIRECTIONAL RAMPS WITHIN RADIUS

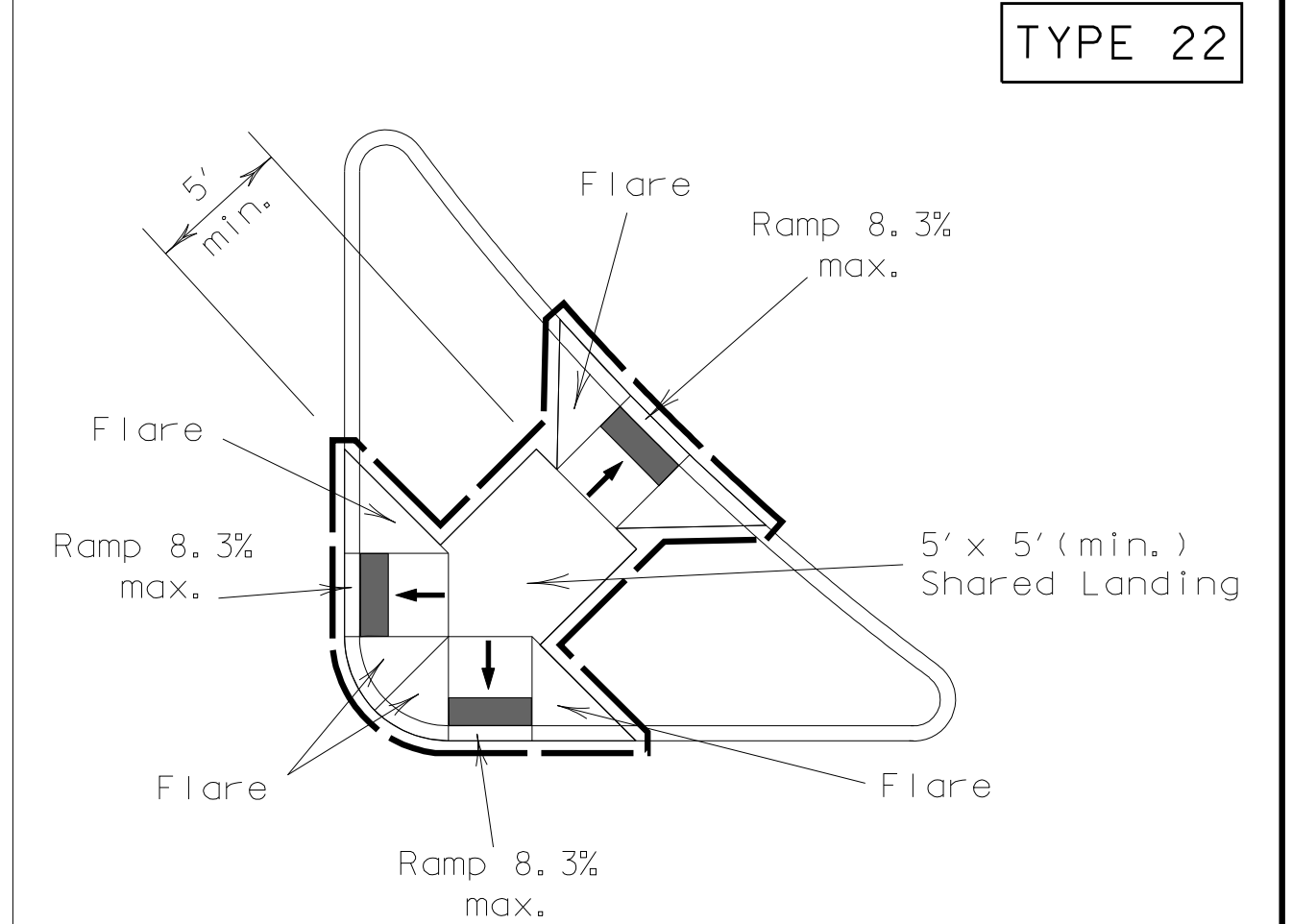
Install detectable warning surface at each end of cut-through ramp with minimum 2' smooth surface between. If median is less than 6' wide, eliminate detectable warning surfaces.



TYPE 21

Curb details are shown elsewhere in the plans.

CURB RAMPS AT MEDIAN ISLANDS



TYPE 22

COMBINATION ISLAND RAMPS

NOTES / LEGEND:

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

Denotes planting or non-walking surface not part of pedestrian circulation path.

Ramp Limits of Payment

Detectable Warning Surface

SHEET 1 OF 4



Design Division Standard

PEDESTRIAN FACILITIES  
CURB RAMPS

PED-12A

FILE: ped12a.dgn	DN: TxDOT	CK: RM	DW: TxDOT	CK: VP
© TxDOT March 2002	CONT	SECT	JOB	HIGHWAY
VP June 13, 2012	DIST	COUNTY	SHEET NO.	
			31	

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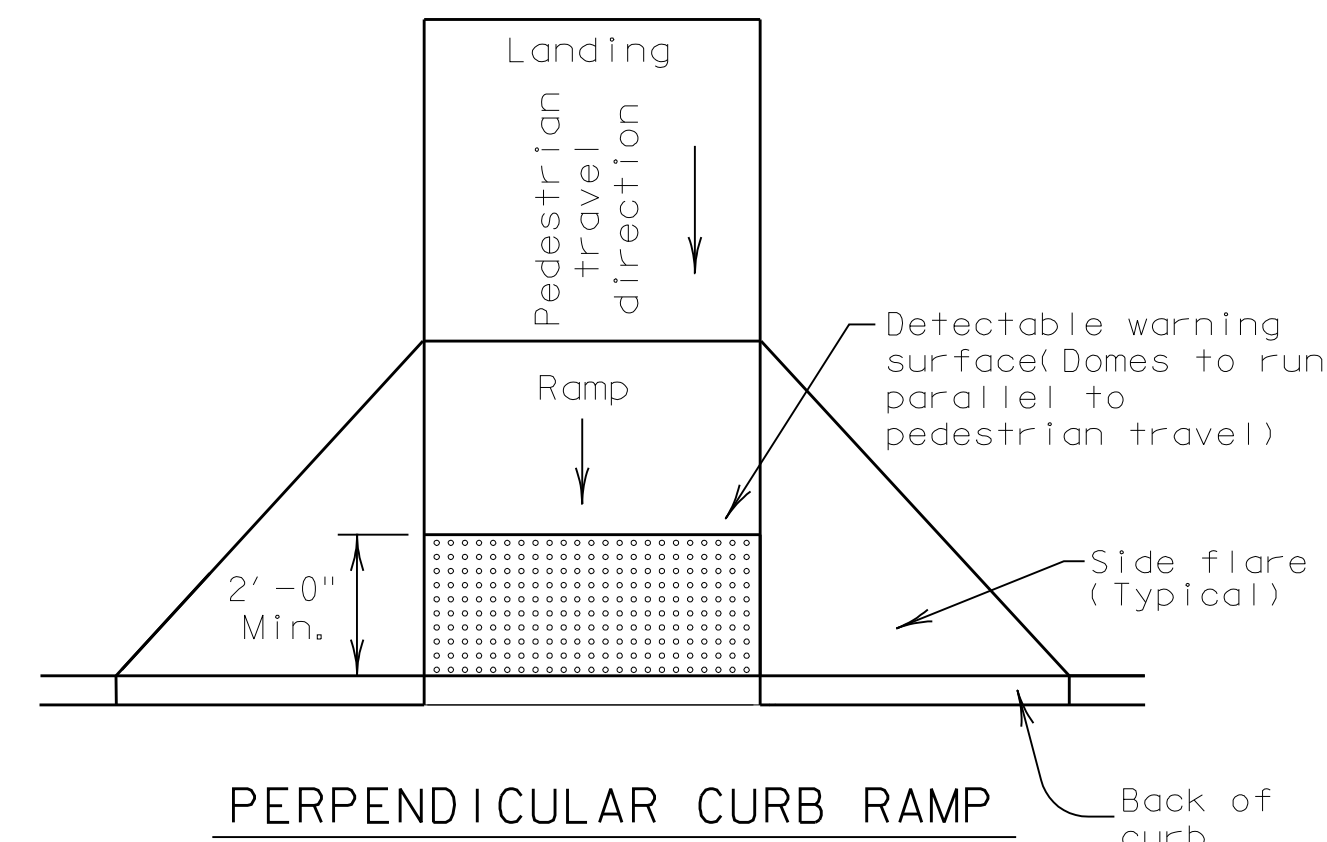
## General Notes

### Curb Ramps

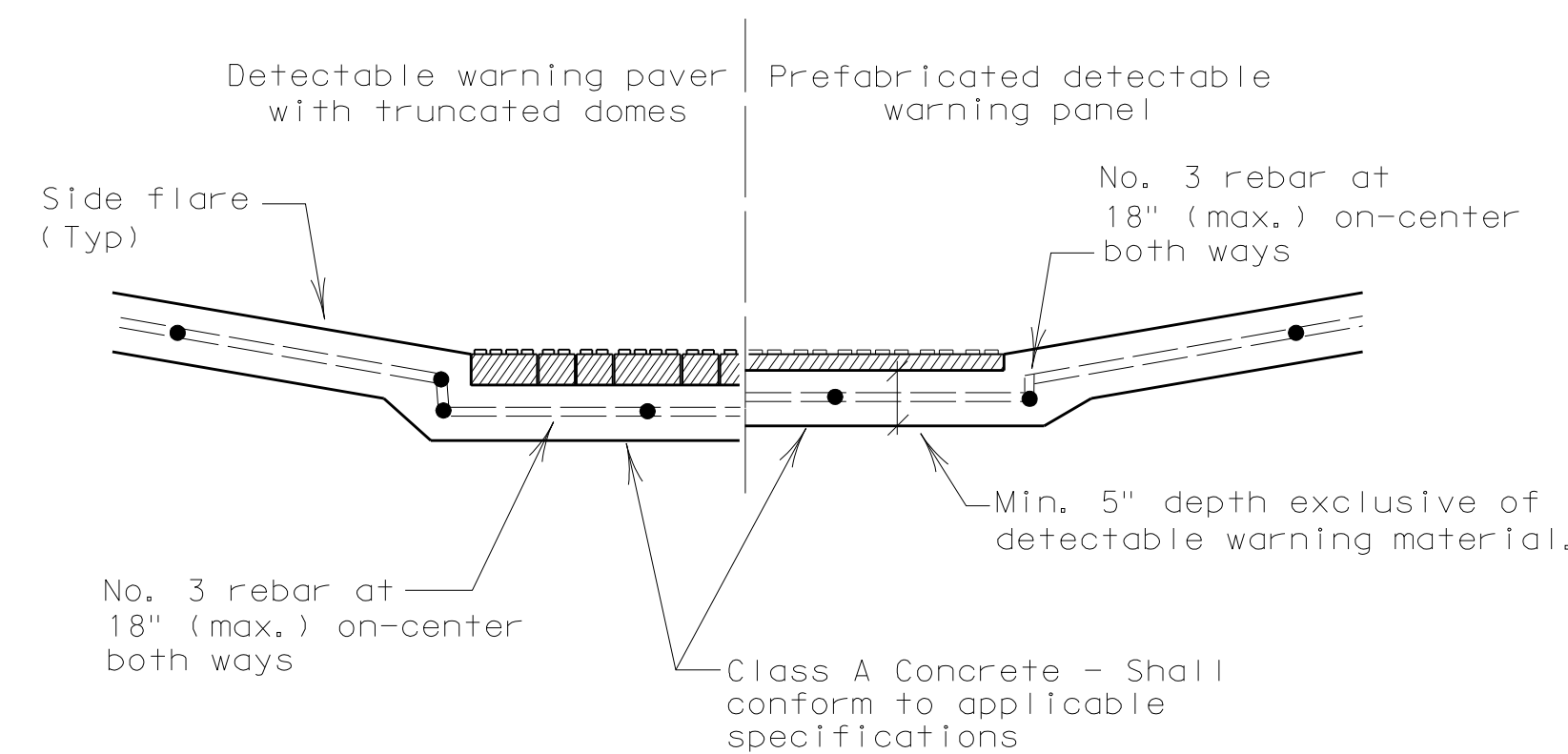
1. Install a curb ramp or blended transition at each pedestrian street crossing.
2. All slopes shown are maximum allowable. Lesser slopes that will still drain properly should be used. Adjust curb ramp length or grade of approach sidewalks as directed.
3. The minimum sidewalk width is 5'. Where the sidewalk is adjacent to the back of curb, a 6' sidewalk width is desirable. Where a 5' sidewalk cannot be provided due to site constraints, sidewalk width may be reduced to 4' for short distances. 5' x 5' passing areas at intervals not to exceed 200' are required.
4. Landings shall be 5' x 5' minimum with a maximum 2% slope in any direction.
5. 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.
6. Maximum allowable cross slope on sidewalk and curb ramp surfaces is 2%.
7. Provide flared sides where the pedestrian circulation path crosses the curb ramp. Flared sides shall be sloped at 10% maximum, measured parallel to the curb. Returned curbs may be used only where pedestrians would not normally walk across the ramp, either because the adjacent surface is planted, substantially obstructed, or otherwise protected.
8. 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.
9. To serve as a pedestrian refuge area, the median should be a minimum of 6' wide, measured from back of curbs. Medians should be designed to provide accessible passage over or through them.
10. 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.
11. 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 align with theoretical crosswalks unless otherwise directed.
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. Place concrete at a minimum depth of 5" for ramps, flares and landings, unless otherwise directed.
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. Existing features that comply with TAS may remain in place unless otherwise shown on the plans.

### Detectable Warning Material

18. Curb ramps must contain a detectable warning surface that consists of raised truncated domes complying with Section 705 of the TAS. The surface must contrast visually with adjoining surfaces, including side flares. Furnish and install an approved cast-in-place dark brown or dark red detectable warning surface material adjacent to uncolored concrete, unless specified elsewhere in the plans.
19. Detectable Warning Materials must meet TxDOT Departmental Materials Specification DMS 4350 and be listed on the Material Producer List. Install products in accordance with manufacturer's specifications.
20. Detectable warning surfaces must be slip resistant and not allow water to accumulate.
21. 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.
22. Detectable warning surfaces shall be located so that the edge nearest the curb line is at the back of curb. Align the rows of domes to be perpendicular to the grade break between the ramp run and the street. Detectable warning surfaces may be curved along the corner radius.
23. Shaded areas on Sheet 1 of 4 indicate the approximate location for the detectable warning surface for each curb ramp type.



Typical placement of detectable warning surface on sloping ramp run.



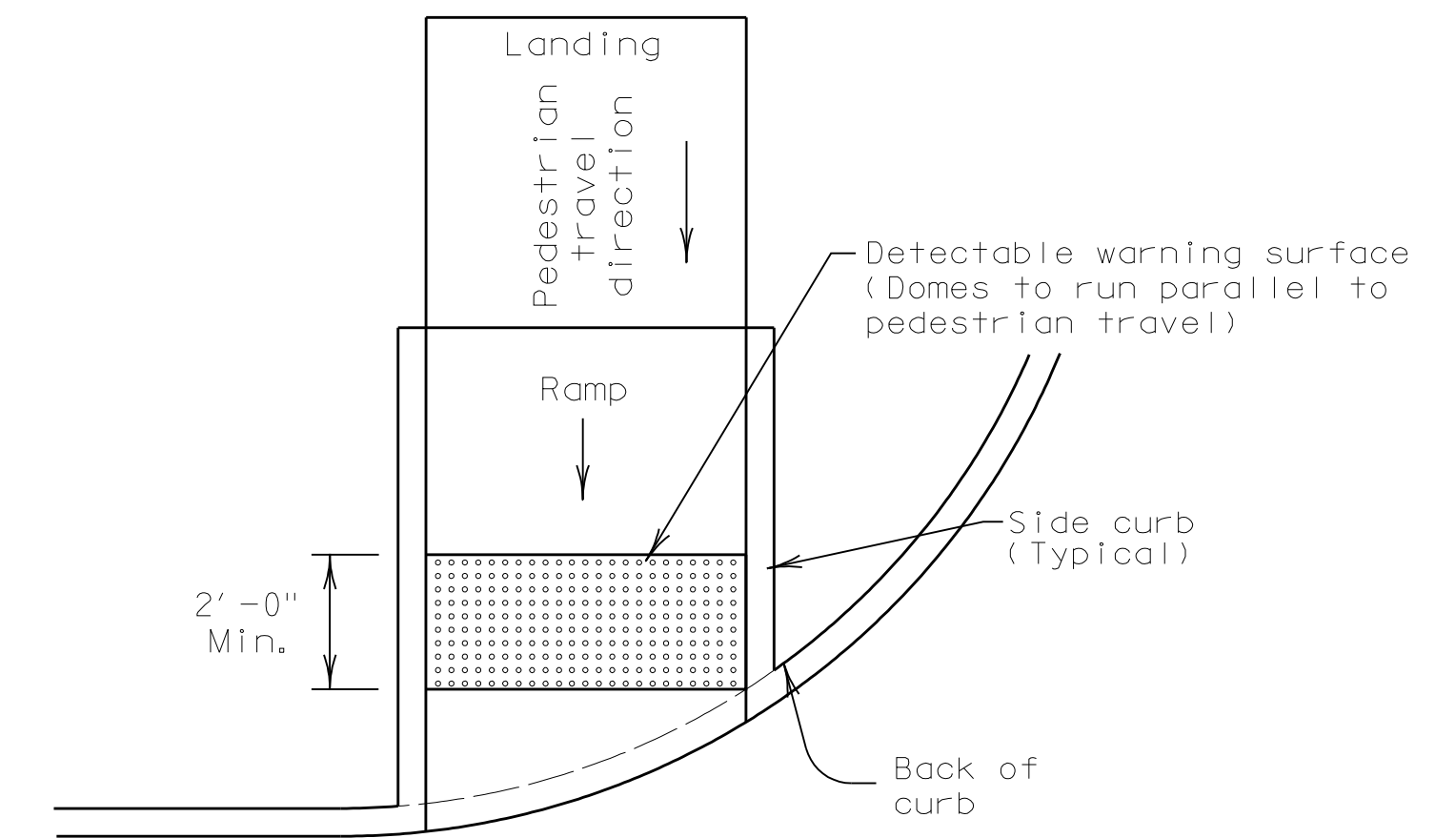
### DETECTABLE WARNINGS

#### Detectable Warning Pavers

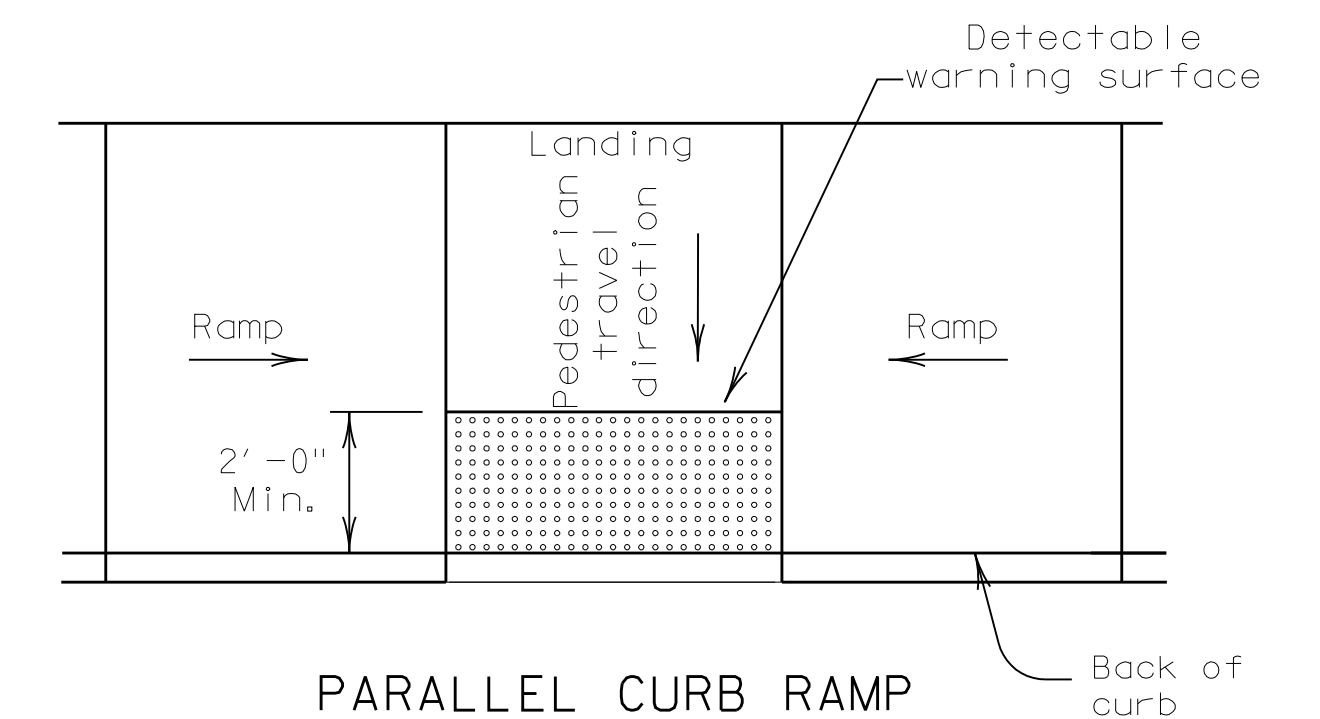
24. Furnish detectable warning paver units meeting all requirements of ASTM C-936, C-33. Lay in a two by two unit basket weave pattern or as directed.
25. Lay full-size units first followed by closure units consisting of at least 25 percent of a full unit. Cut detectable warning paver units using a power saw.

#### Sidewalks

26. Provide clear ground space at operable parts, including pedestrian push buttons. Operable parts shall be placed within one or more reach ranges specified in TAS 308.
27. Place traffic signal or illumination poles, ground boxes, controller boxes, signs, drainage facilities and other items so as not to obstruct the pedestrian access route or clear ground space.
28. Street grades and cross slopes shall be as shown elsewhere in the plans.
29. Changes in level greater than 1/4 inch are not permitted.
30. The least possible grade should be used to maximize accessibility. The running slope of sidewalks and crosswalks within the public right of way may follow the grade of the parallel roadway. Where a continuous grade greater than 5% must be provided, handrails may be desirable to improve accessibility. Handrails may also be needed to protect pedestrians from potentially hazardous conditions. If provided, handrails shall comply with TAS 505.
31. Handrail extensions shall not protrude into the usable landing area or into intersecting pedestrian routes.
32. Driveways and turnouts shall be constructed and paid for in accordance with Item "Intersections, Driveways and Turnouts". Sidewalks shall be constructed and paid for in accordance with Item, "Sidewalks".
33. Sidewalk details are shown elsewhere in the plans.



Typical placement of detectable warning surface on sloping ramp run.

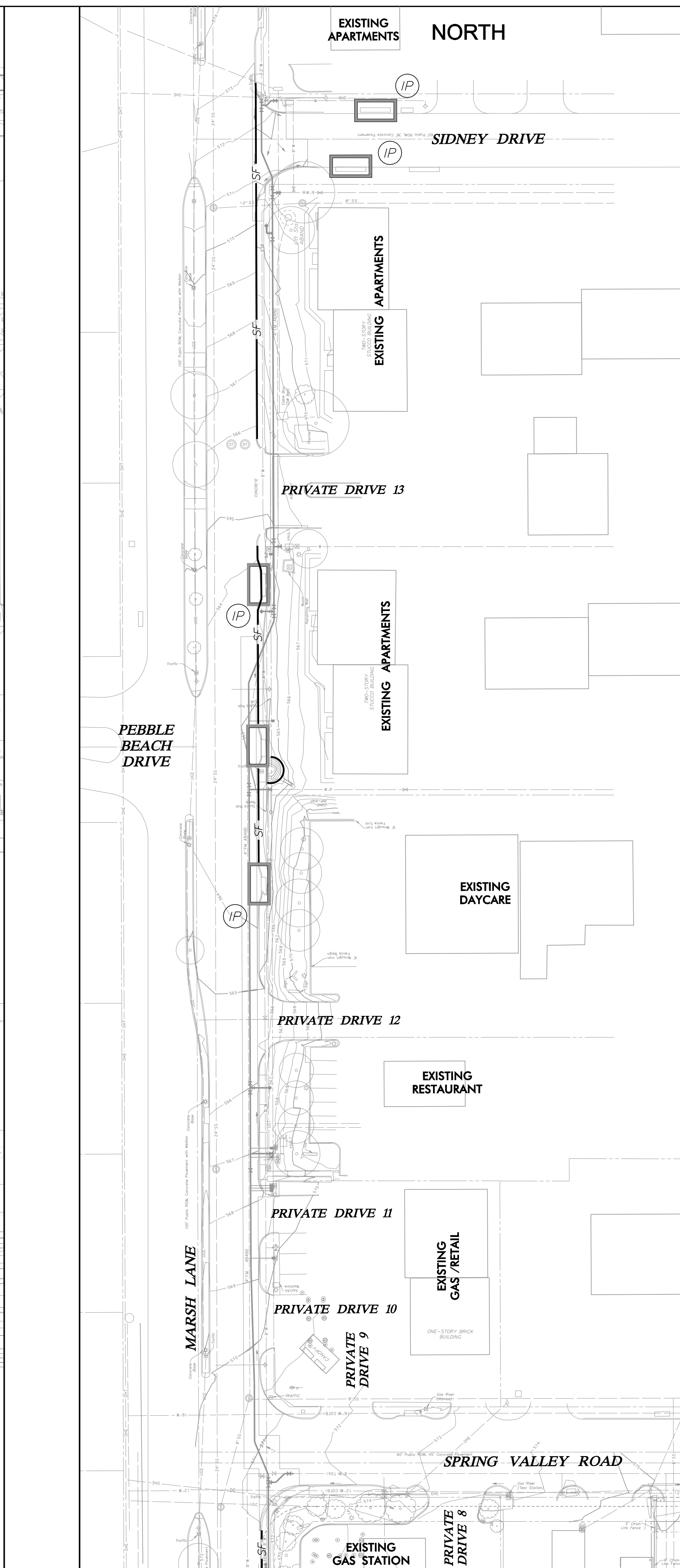
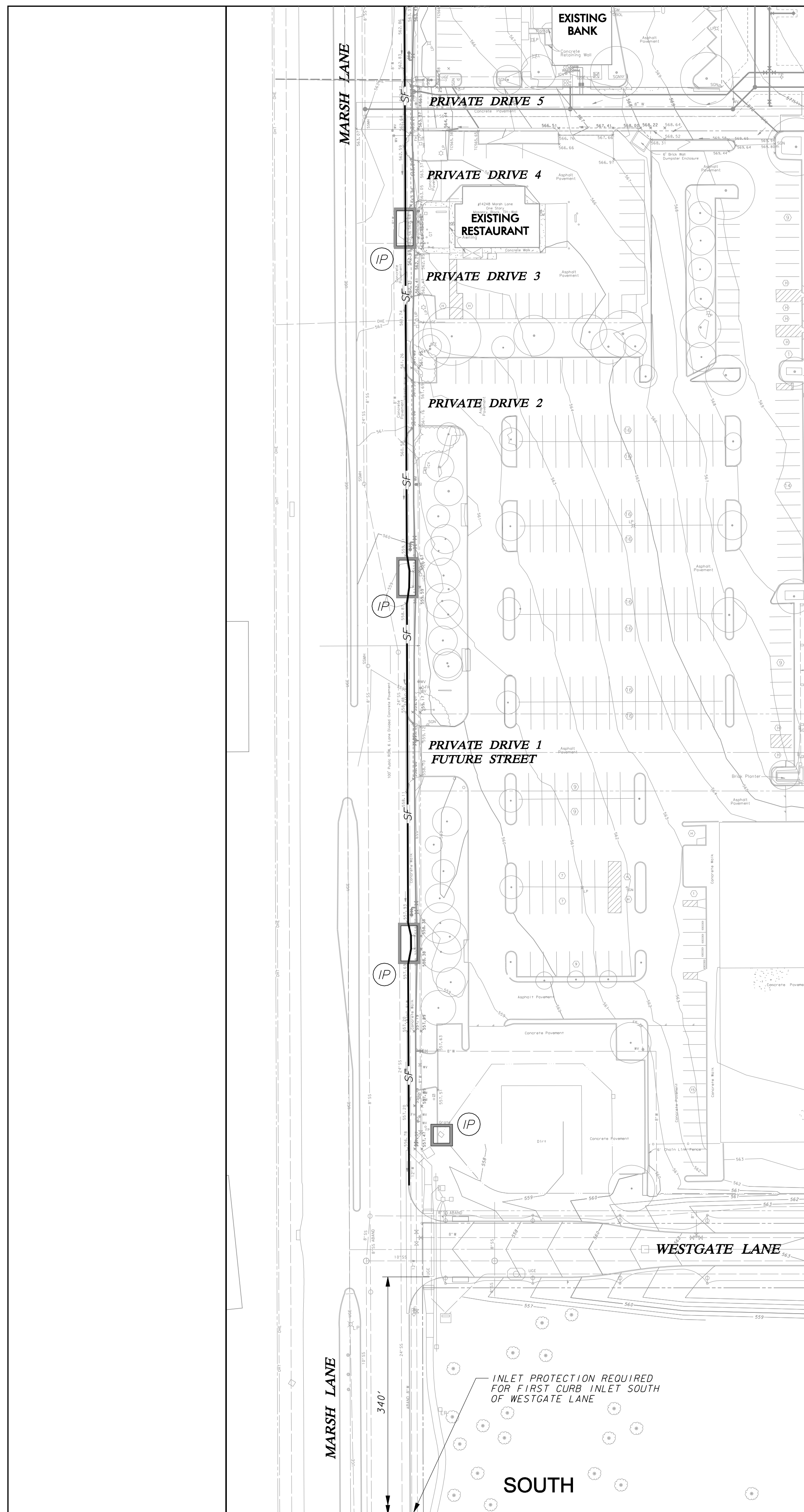


Typical placement of detectable warning surface on landing at street edge.

SHEET 2 OF 4

<span style="font-weight: bold; font-size: small;">Texas Department of Transportation</span>		<span style="font-weight: bold; font-size: x-small;">Design Division Standard</span>		
<h2 style="margin: 0;">PEDESTRIAN FACILITIES</h2> <h3 style="margin: 0;">CURB RAMPS</h3> <h1 style="margin: 0; font-size: 2em;">PED-12A</h1>				
FILE: ped12a.dgn	DN: TxDOT	CK: RM	DW: TxDOT	CK: VP
© TxDOT March 2002	CONT	SECT	JOB	HIGHWAY
REVISIONS				
VP June 13, 2012	DIST	COUNTY	SHEET NO.	
			32	





**EROSION CONTROL NOTES**

1. **GENERAL CONSTRUCTION NOTES:** REFER TO SHEET 3 "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.
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 PAVING AND FINAL GRADING OPERATIONS, ALL DISTURBED AREAS SHALL BE VEGETATED IN ACCORDANCE WITH THE LANDSCAPE ARCHITECTS' PLANS. IN AREAS NOT COVERED BY LANDSCAPE PLAN, THE CONTRACTOR SHALL PROVIDE HYDROMULCH SEEDING AND/OR SODDING FOR ALL DISTURBED AREAS (NOT DESIGNATED TO BE PAVED) 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 DEVELOPER.
9. **ADDITIONAL:** AS NEW FACILITIES COME ONLINE, ADD ADDITIONAL BMP/SCM. CONTRACTOR TO COORDINATE WITH THE BUILDING CONTRACTOR TO ENSURE ALL BMP DEVICES ARE SECURE AND ALL PROPER PROTECTIONS ARE BEING TAKEN BETWEEN THE TWO SITES.

**LEGEND**

LIMITS OF DISTURBANCE -----

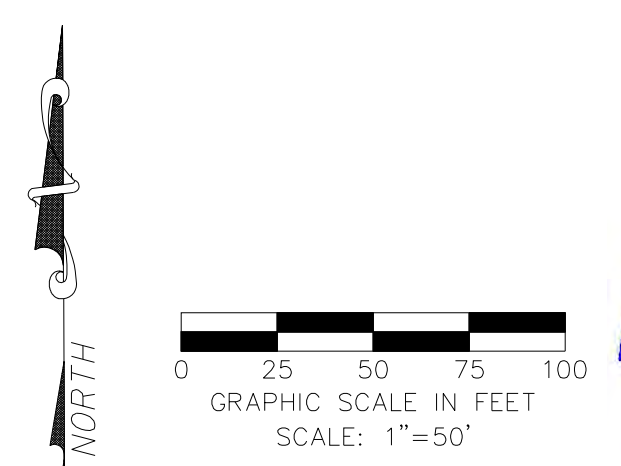
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FINISHED SLOPE [Symbol]

SPOT ELEVATION (TOP OF GROUND/PAVEMENT) x 525.80

SILT FENCE (SF) [Symbol]

STABILIZED CONSTRUCTION ENTRANCE (CE) [Symbol]



NO.	REVISION	BY	DATE

**icon Consulting Engineers, Inc.** 2840 W. Southlake Blvd., Suite 110  
 Civil Engineers - Designers - Planners Southlake, TX 76092 (817) 552-6210  
 Engineering Firm Registration Number F-9007

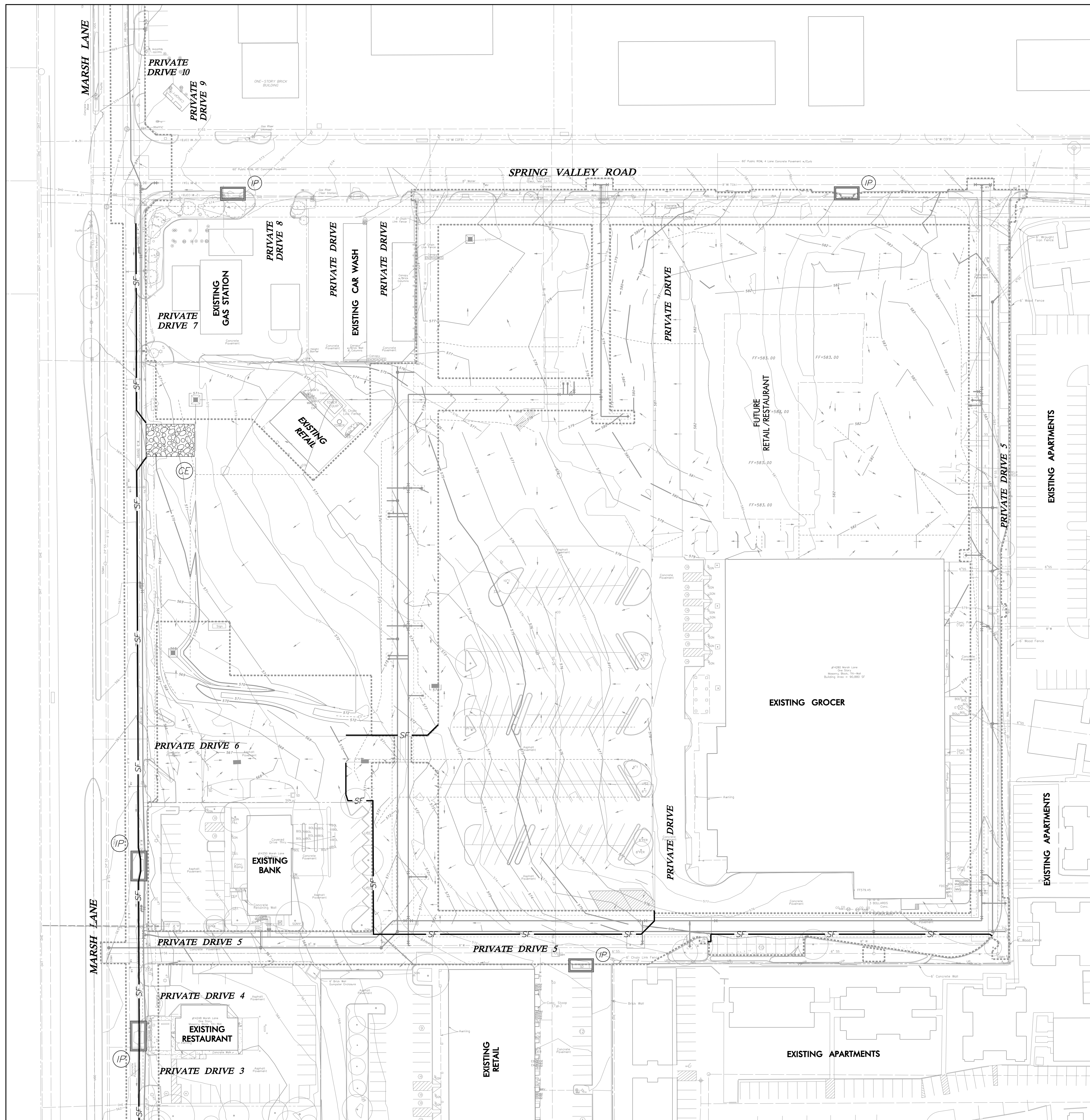
**WATER, SS & PAVING IMPROVEMENTS**  
**VITRUVIAN PARK PUBLIC INFRASTRUCTURE BLOCK 500 A**  
**TOWN OF ADDISON, TEXAS**  
**EROSION & SEDIMENT CONTROL PLAN**  
**SOUTH & NORTH**

DESIGN	DRAWN	DATE	SCALE	NOTES	Sheet No.
ICE	ICE	JAN 22, 2020	AS NOTED		<b>33</b>

VITRUVIAN PARK BLOCK 500 A PUBLIC INFRASTRUCTURE - PROJECT NO. 5029-05

**EROSION CONTROL NOTES**

- GENERAL CONSTRUCTION NOTES:** REFER TO SHEET 3 "GENERAL CONSTRUCTION NOTES, LEGEND AND ABBREVIATIONS" FOR THE GENERAL CONSTRUCTION NOTES FOR THE PROJECT.
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- 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.
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NOTE: THE PUBLIC INFRASTRUCTURE CONTRACTOR AND THE PRIVATE SIDE CONTRACTOR SHALL COORDINATE TO ENSURE THAT THE ENTIRE SITE HAS EROSION CONTROL MEASURES IN PLACE AT ALL TIMES.

**LEGEND**

LIMITS OF DISTURBANCE	-----
INLET PROTECTION	IP [Symbol]
FINISHED SLOPE	→
SPOT ELEVATION (TOP OF GROUND/PAVEMENT)	x 525.80
SILT FENCE	SF [Symbol]
STABILIZED CONSTRUCTION ENTRANCE	CE [Symbol]

NORTH

0 25 50 75 100  
GRAPHIC SCALE IN FEET  
SCALE: 1"=50'

*Bruce F. Dunne*  
BRUCE F. DUNNE  
62654  
LICENSED PROFESSIONAL ENGINEER

NO.	REVISION	BY	DATE

**icon Consulting Engineers, Inc.** 2840 W. Southlake Blvd., Suite 110  
Civil Engineers - Designers - Planners Southlake, TX 76092 (817) 552-6210  
Engineering Firm Registration Number F-9007

**WATER, SS & PAVING IMPROVEMENTS**

**VITRUVIAN PARK PUBLIC INFRASTRUCTURE BLOCK 500 A**

**TOWN OF ADDISON, TEXAS**

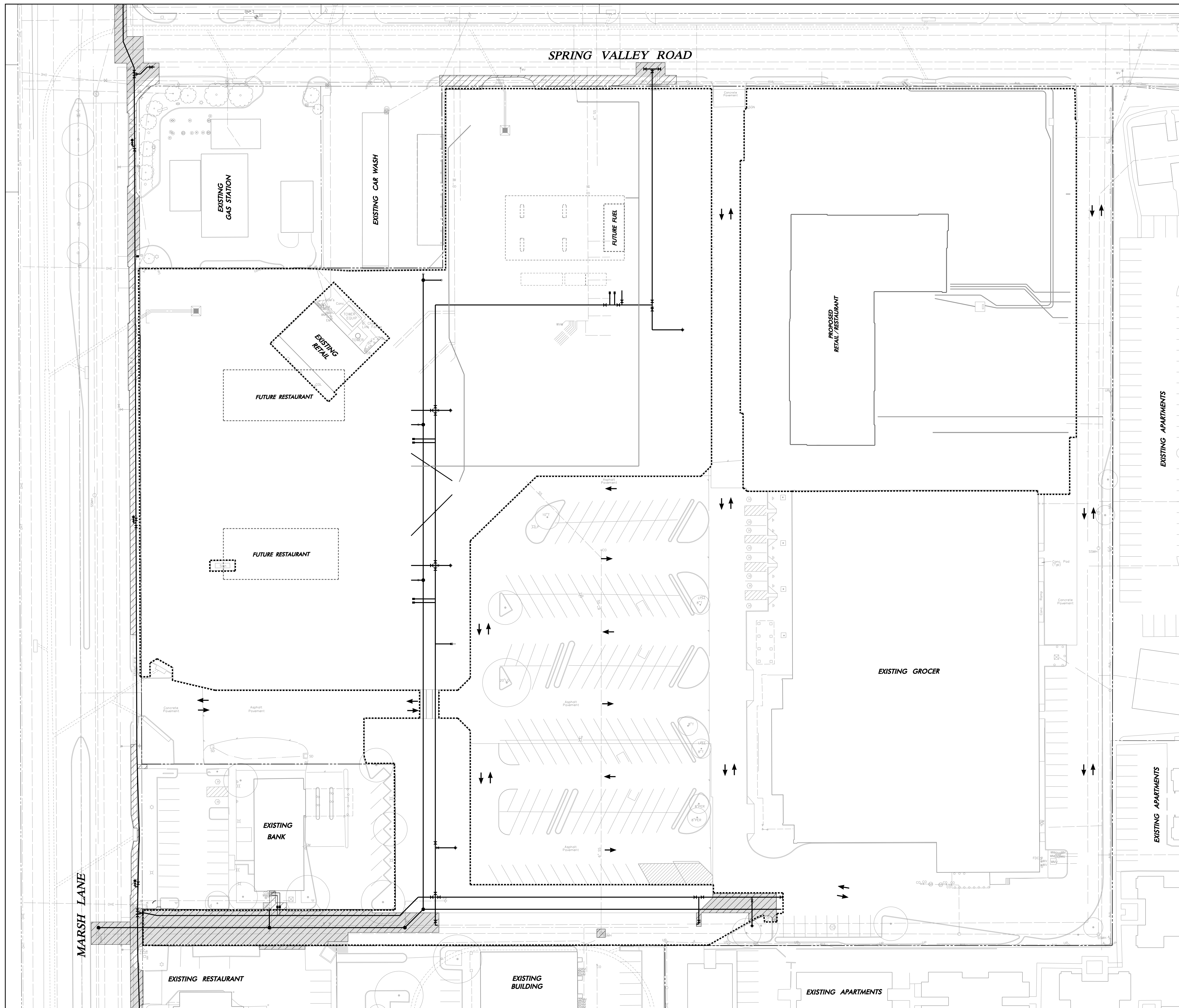
**EROSION & SEDIMENT CONTROL PLAN**

**SHOPPING CENTER**

DESIGN	DRAWN	DATE	SCALE	NOTES	Sheet No.
ICE	ICE	JAN 22, 2020	AS NOTED		<b>34</b>

VITRUVIAN PARK BLOCK 500 A PUBLIC INFRASTRUCTURE - PROJECT NO. 5029-05





- SHOPPING CENTER CONSTRUCTION PHASING NOTES:**
- BROOKHAVEN VILLAGE SHOPPING CONSTRUCTION WILL BE ONGOING, BY OTHERS, IN CONJUNCTION WITH THE BLOCK 500A PUBLIC INFRASTRUCTURE CONSTRUCTION. THE CLOSE PROXIMITY OF THESE TWO PROJECTS WILL REQUIRE COORDINATION AND PROPER PHASING AND STAGING IN ORDER TO COMPLETE BOTH PROJECTS IN THE DESIRED TIME FRAME. IT WILL BE VERY IMPORTANT THAT THE CONTRACTORS OF EACH OF THESE PROJECTS WORK TOGETHER TO MEET THE REQUIREMENTS OF THE OWNER AND THE TOWN. THESE CONSTRUCTION PHASING PLANS HAVE BEEN DEVELOPED WITH INPUT FROM THE BUILDING CONTRACTOR TO COORDINATE CONSTRUCTION ACCESS, STAGING AND PHASING FOR BOTH PROJECTS. THE BUILDING CONTRACTOR WILL COMPLETE THE INITIAL DEMOLITION WORK BEFORE THE INFRASTRUCTURE WORK BEGINS.
  - THE INTENT OF INFRASTRUCTURE PHASE 1 IS TO KEEP THE EXISTING TWO (2) NORTH-SOUTH PRIVATE DRIVES AND ONE (1) WEST PRIVATE DRIVE OPEN TO CUSTOMERS OF THE EXISTING GROCERY STORE. INFRASTRUCTURE CONSTRUCTION INCLUDING WATER, SANITARY SEWER & PAVING WITHIN THE WEST SECTION OF THE EXISTING SOUTH PRIVATE DRIVE CAN BE COMPLETED IN THIS PHASE.  
BUILDING CONSTRUCTION ACCESS DURING THIS PHASE WILL BE FROM THE PRIVATE DRIVE OFF OF SPRING VALLEY ROAD NORTH OF THE PROPOSED BUILDING.
  - THE INTENT OF INFRASTRUCTURE PHASE 2 IS TO COMPLETE THE WATER, SANITARY SEWER & PAVING WITHIN THE EAST NORTH-SOUTH PRIVATE DRIVE AND THE EAST SECTION OF THE SOUTH PRIVATE DRIVE.  
BUILDING CONSTRUCTION WILL CONTINUE DURING THIS PHASE WITH ACCESS OFF OF SPRING VALLEY ROAD NORTH OF THE PROPOSED BUILDING.
  - THE INTENT OF INFRASTRUCTURE PHASE 3 IS TO COMPLETE THE PAVEMENT DEMOLITION AND PROPOSED PAVEMENT CONSTRUCTION FOR THE REMAINING TWO (2) PRIVATE DRIVES OFF OF SPRING VALLEY ROAD NORTH OF THE PROPOSED BUILDING.  
BUILDING CONSTRUCTION ACCESS DURING THIS PHASE WILL SHIFT TO THE EAST PRIVATE DRIVE NEW PAVEMENT OFF OF SPRING VALLEY ROAD NORTHEAST OF THE PROPOSED BUILDING.
  - THE INTENT OF INFRASTRUCTURE PHASE 4 IS TO COMPLETE THE EXISTING PAVEMENT DEMOLITION, PROPOSED WATER LINE AND PROPOSED PAVEMENT CONSTRUCTION FOR THE REMAINING ONE (1) PRIVATE DRIVE OFF OF MARSH LANE ON THE WEST SIDE OF THE SHOPPING CENTER.  
BUILDING CONSTRUCTION ACCESS WILL CONTINUE DURING THIS PHASE OFF OF SPRING VALLEY ROAD NORTHEAST OF THE PROPOSED BUILDING.

**LEGEND**

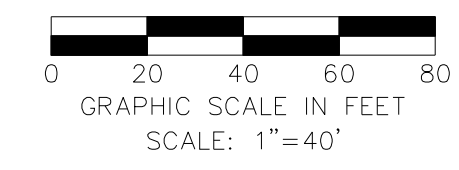
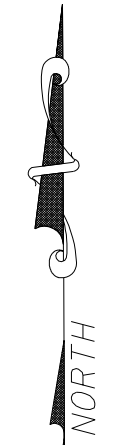
- LIMITS OF DISTURBANCE
- REMOVE & DISPOSE OF EXISTING PAVEMENT
- PROPOSED PAVEMENT
- PROPOSED UTILITIES

**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 = 573.00  
TOWN OF ADDISON MONUMENT NO. 1 BEING A DISK SET IN CONCRETE ON THE NORTH SIDE OF SPRING VALLEY ROAD, APPROX. 147 FEET EAST OF THE CENTERLINE OF MARSH LANE.

BM #2 REF. ELEVATION = 559.47  
SQUARE CUT IN TOP OF CURB, SOUTH MEDIAN END NOSE, MARSH LANE 1127' NORTH OF VITRUVIAN WAY.



NO.	REVISION	BY	DATE

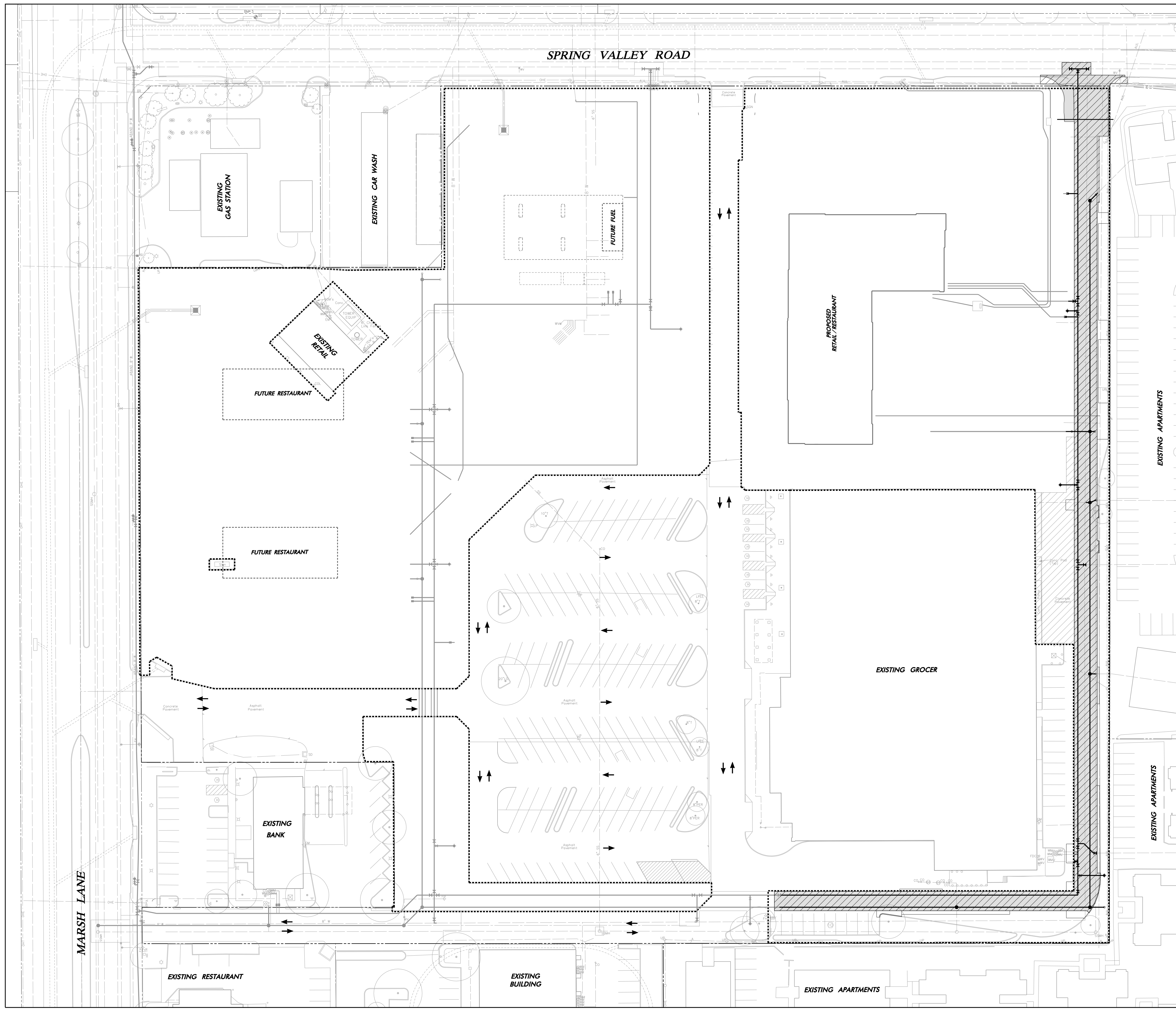
**icon Consulting Engineers, Inc.** 2840 W. Southlake Blvd., Suite 110  
Civil Engineers - Designers - Planners Southlake, TX 76092 (817) 552-6210  
Engineering Firm Registration Number F-9007

**WATER, SS & PAVING IMPROVEMENTS**  
VITRUVIAN PARK PUBLIC INFRASTRUCTURE BLOCK 500 A  
TOWN OF ADDISON, TEXAS

**CONSTRUCTION PHASING**  
**PHASE 1 SHOPPING CENTER**

DESIGN	DRAWN	DATE	SCALE	NOTES	Sheet No.
ICE	ICE	JAN 22, 2020	AS NOTED		<b>36</b>

VITRUVIAN PARK BLOCK 500 A PUBLIC INFRASTRUCTURE - PROJECT NO. 5029-05



- SHOPPING CENTER CONSTRUCTION PHASING NOTES:**
- BROOKHAVEN VILLAGE SHOPPING CONSTRUCTION WILL BE ONGOING, BY OTHERS, IN CONJUNCTION WITH THE BLOCK 5004 PUBLIC INFRASTRUCTURE CONSTRUCTION. THE CLOSE PROXIMITY OF THESE TWO PROJECTS WILL REQUIRE COORDINATION AND PROPER PHASING AND STAGING IN ORDER TO COMPLETE BOTH PROJECTS IN THE DESIRED TIME FRAME. IT WILL BE VERY IMPORTANT THAT THE CONTRACTORS OF EACH OF THESE PROJECTS WORK TOGETHER TO MEET THE REQUIREMENTS OF THE OWNER AND THE TOWN. THESE CONSTRUCTION PHASING PLANS HAVE BEEN DEVELOPED WITH INPUT FROM THE BUILDING CONTRACTOR TO COORDINATE CONSTRUCTION ACCESS, STAGING AND PHASING FOR BOTH PROJECTS. THE BUILDING CONTRACTOR WILL COMPLETE THE INITIAL DEMOLITION WORK BEFORE THE INFRASTRUCTURE WORK BEGINS.
  - THE INTENT OF INFRASTRUCTURE PHASE 1 IS TO KEEP THE EXISTING TWO (2) NORTH-SOUTH PRIVATE DRIVES AND ONE (1) WEST PRIVATE DRIVE OPEN TO CUSTOMERS OF THE EXISTING GROCERY STORE. INFRASTRUCTURE CONSTRUCTION INCLUDING WATER, SANITARY SEWER & PAVING WITHIN THE WEST SECTION OF THE EXISTING SOUTH PRIVATE DRIVE CAN BE COMPLETED IN THIS PHASE.  
BUILDING CONSTRUCTION ACCESS DURING THIS PHASE WILL BE FROM THE PRIVATE DRIVE OFF OF SPRING VALLEY ROAD NORTH OF THE PROPOSED BUILDING.
  - THE INTENT OF INFRASTRUCTURE PHASE 2 IS TO COMPLETE THE WATER, SANITARY SEWER & PAVING WITHIN THE EAST NORTH-SOUTH PRIVATE DRIVE AND THE EAST SECTION OF THE SOUTH PRIVATE DRIVE.  
BUILDING CONSTRUCTION WILL CONTINUE DURING THIS PHASE WITH ACCESS OFF OF SPRING VALLEY ROAD NORTH OF THE PROPOSED BUILDING.
  - THE INTENT OF INFRASTRUCTURE PHASE 3 IS TO COMPLETE THE PAVEMENT DEMOLITION AND PROPOSED PAVEMENT CONSTRUCTION FOR THE REMAINING TWO (2) PRIVATE DRIVES OFF OF SPRING VALLEY ROAD NORTH OF THE PROPOSED BUILDING.  
BUILDING CONSTRUCTION ACCESS DURING THIS PHASE WILL SHIFT TO THE EAST PRIVATE DRIVE NEW PAVEMENT OFF OF SPRING VALLEY ROAD NORTHEAST OF THE PROPOSED BUILDING.
  - THE INTENT OF INFRASTRUCTURE PHASE 4 IS TO COMPLETE THE EXISTING PAVEMENT DEMOLITION, PROPOSED WATER LINE AND PROPOSED PAVEMENT CONSTRUCTION FOR THE REMAINING ONE (1) PRIVATE DRIVE OFF OF MARSH LANE ON THE WEST SIDE OF THE SHOPPING CENTER.  
BUILDING CONSTRUCTION ACCESS WILL CONTINUE DURING THIS PHASE OFF OF SPRING VALLEY ROAD NORTHEAST OF THE PROPOSED BUILDING.

**LEGEND**

LIMITS OF DISTURBANCE

REMOVE & DISPOSE OF EXISTING PAVEMENT

PROPOSED PAVEMENT

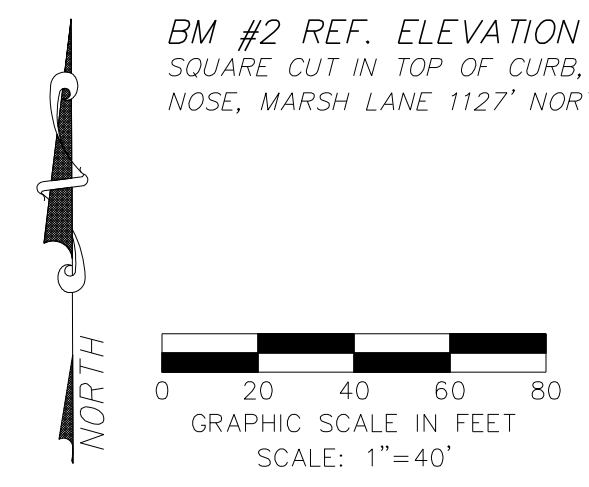
PROPOSED UTILITIES

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BM #1 REF. ELEVATION = 573.00  
TOWN OF ADDISON MONUMENT NO. 1 BEING A DISK SET IN CONCRETE ON THE NORTH SIDE OF SPRING VALLEY ROAD, APPROX. 147 FEET EAST OF THE CENTERLINE OF MARSH LANE.

BM #2 REF. ELEVATION = 559.47  
SQUARE CUT IN TOP OF CURB, SOUTH MEDIAN END NOSE, MARSH LANE 1127' NORTH OF VITRUVIAN WAY.



NO.	REVISION	BY	DATE

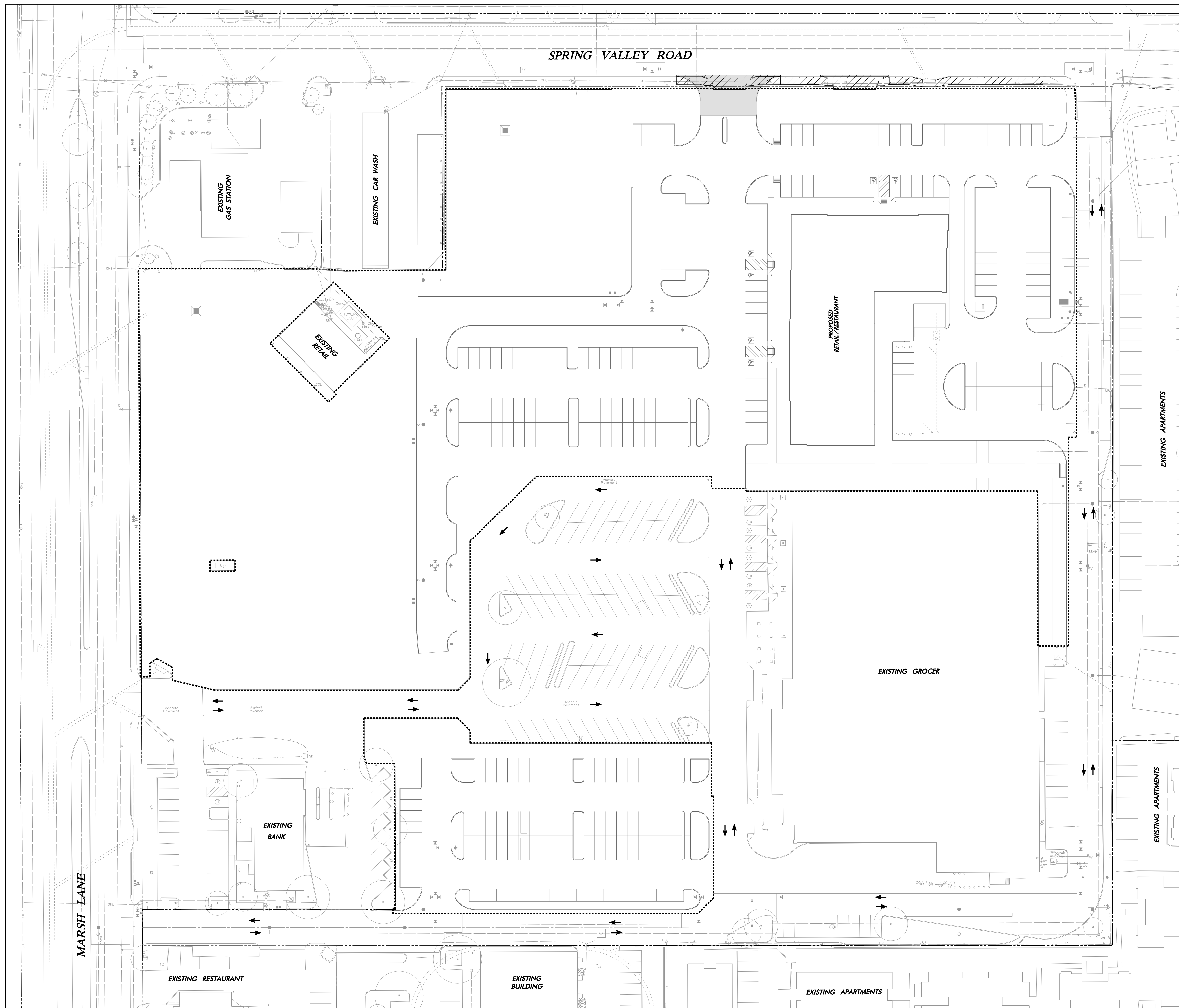
**icon Consulting Engineers, Inc.** 2840 W. Southlake Blvd., Suite 110  
Civil Engineers - Designers - Planners Southlake, Tx 76092 (817) 552-6210  
Engineering Firm Registration Number F-9007

**BROOKHAVEN VILLAGE SHOPPING CENTER**  
TOWN OF ADDISON, TEXAS

LOT 1, BLOCK E, VITRUVIAN PARK ADDITION

**CONSTRUCTION PHASING**  
**PHASE 2 SHOPPING CENTER**

DESIGN	DRAWN	DATE	SCALE	NOTES	Sheet No.
ICE	ICE	JUL 9, 2018	AS NOTED		<b>37</b>



- SHOPPING CENTER CONSTRUCTION PHASING NOTES:**
1. BROOKHAVEN VILLAGE SHOPPING CONSTRUCTION WILL BE ONGOING, BY OTHERS, IN CONJUNCTION WITH THE BLOCK 500A PUBLIC INFRASTRUCTURE CONSTRUCTION. THE CLOSE PROXIMITY OF THESE TWO PROJECTS WILL REQUIRE COORDINATION AND PROPER PHASING AND STAGING IN ORDER TO COMPLETE BOTH PROJECTS IN THE DESIRED TIME FRAME. IT WILL BE VERY IMPORTANT THAT THE CONTRACTORS OF EACH OF THESE PROJECTS WORK TOGETHER TO MEET THE REQUIREMENTS OF THE OWNER AND THE TOWN. THESE CONSTRUCTION PHASING PLANS HAVE BEEN DEVELOPED WITH INPUT FROM THE BUILDING CONTRACTOR TO COORDINATE CONSTRUCTION ACCESS, STAGING AND PHASING FOR BOTH PROJECTS. THE BUILDING CONTRACTOR WILL COMPLETE THE INITIAL DEMOLITION WORK BEFORE THE INFRASTRUCTURE WORK BEGINS.
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**LEGEND**

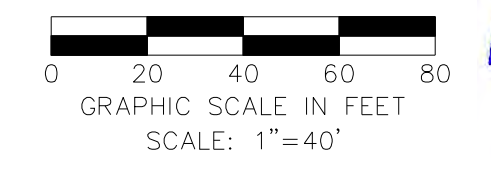
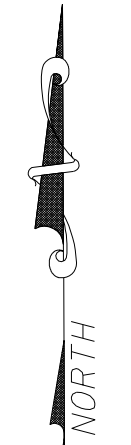
- LIMITS OF DISTURBANCE - - - - -
- REMOVE & DISPOSE OF EXISTING PAVEMENT
- PROPOSED PAVEMENT

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BM #2 REF. ELEVATION = 559.47  
SQUARE CUT IN TOP OF CURB, SOUTH MEDIAN END NOSE, MARSH LANE 1127' NORTH OF VITRUVIAN WAY.



NO.	REVISION	BY	DATE

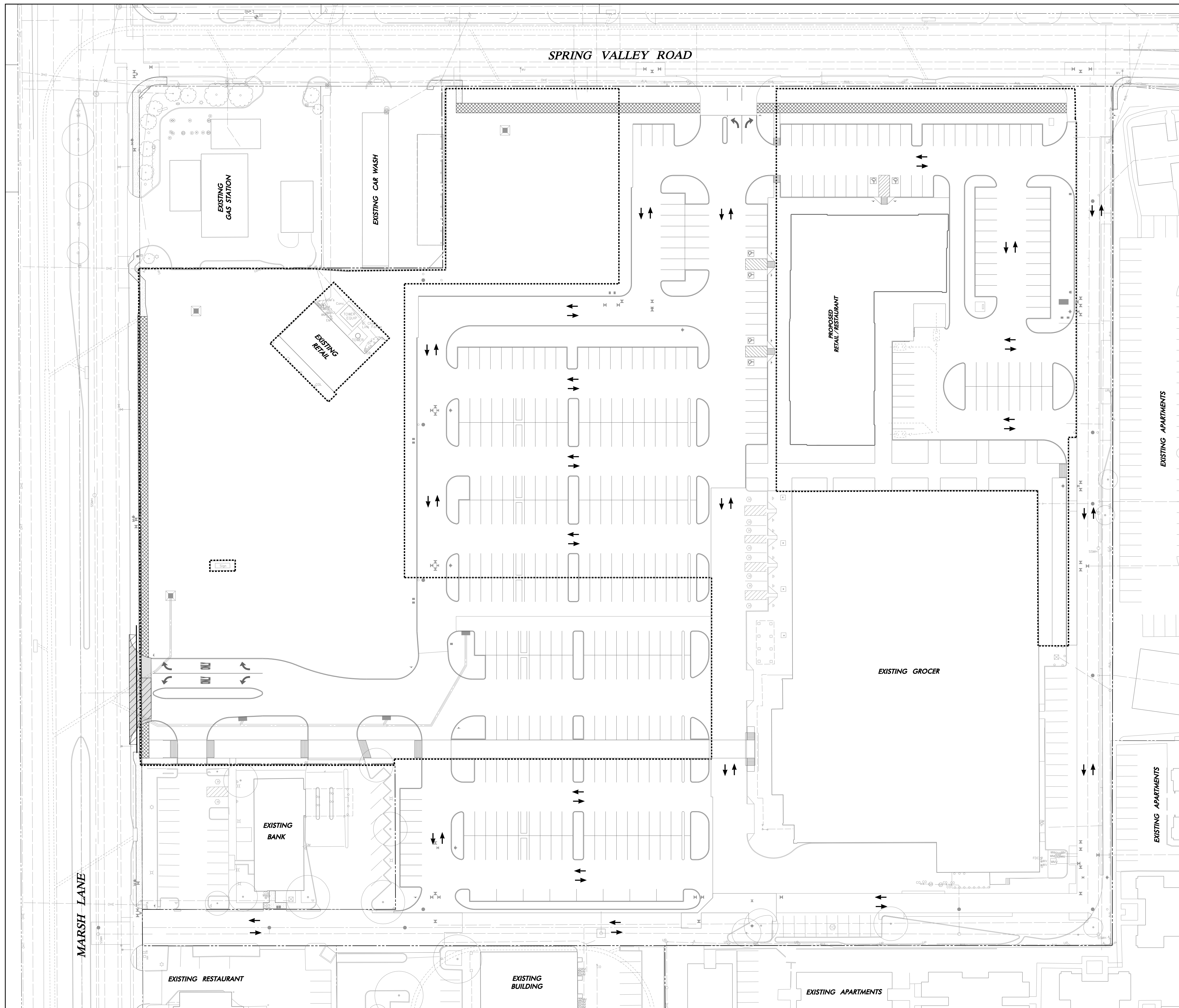
**icon Consulting Engineers, Inc.** 2840 W. Southlake Blvd., Suite 110  
Civil Engineers - Designers - Planners Southlake, Tx 76092 (817) 552-6210  
Engineering Firm Registration Number F-9007

**WATER, SS & PAVING IMPROVEMENTS**  
VITRUVIAN PARK PUBLIC INFRASTRUCTURE BLOCK 500A  
TOWN OF ADDISON, TEXAS

**CONSTRUCTION PHASING**  
**PHASE 3 SHOPPING CENTER**

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VITRUVIAN PARK BLOCK 500 A PUBLIC INFRASTRUCTURE - PROJECT NO. 5029-05



- SHOPPING CENTER CONSTRUCTION PHASING NOTES:**
1. BROOKHAVEN VILLAGE SHOPPING CONSTRUCTION WILL BE ONGOING. BY OTHERS, IN CONJUNCTION WITH THE BLOCK 500A PUBLIC INFRASTRUCTURE CONSTRUCTION. THE CLOSE PROXIMITY OF THESE TWO PROJECTS WILL REQUIRE COORDINATION AND PROPER PHASING AND STAGING IN ORDER TO COMPLETE BOTH PROJECTS IN THE DESIRED TIME FRAME. IT WILL BE VERY IMPORTANT THAT THE CONTRACTORS OF EACH OF THESE PROJECTS WORK TOGETHER TO MEET THE REQUIREMENTS OF THE OWNER AND THE TOWN. THESE CONSTRUCTION PHASING PLANS HAVE BEEN DEVELOPED WITH INPUT FROM THE BUILDING CONTRACTOR TO COORDINATE CONSTRUCTION ACCESS, STAGING AND PHASING FOR BOTH PROJECTS. THE BUILDING CONTRACTOR WILL COMPLETE THE INITIAL DEMOLITION WORK BEFORE THE INFRASTRUCTURE WORK BEGINS.
  2. THE INTENT OF INFRASTRUCTURE PHASE 1 IS TO KEEP THE EXISTING TWO (2) NORTH-SOUTH PRIVATE DRIVES AND ONE (1) WEST PRIVATE DRIVE OPEN TO CUSTOMERS OF THE EXISTING GROCERY STORE. INFRASTRUCTURE CONSTRUCTION INCLUDING WATER, SANITARY SEWER & PAVING WITHIN THE WEST SECTION OF THE EXISTING SOUTH PRIVATE DRIVE CAN BE COMPLETED IN THIS PHASE.  
BUILDING CONSTRUCTION ACCESS DURING THIS PHASE WILL BE FROM THE PRIVATE DRIVE OFF OF SPRING VALLEY ROAD NORTH OF THE PROPOSED BUILDING.
  3. THE INTENT OF INFRASTRUCTURE PHASE 2 IS TO COMPLETE THE WATER, SANITARY SEWER & PAVING WITHIN THE EAST NORTH-SOUTH PRIVATE DRIVE AND THE EAST SECTION OF THE SOUTH PRIVATE DRIVE.  
BUILDING CONSTRUCTION WILL CONTINUE DURING THIS PHASE WITH ACCESS OFF OF SPRING VALLEY ROAD NORTH OF THE PROPOSED BUILDING.
  4. THE INTENT OF INFRASTRUCTURE PHASE 3 IS TO COMPLETE THE PAVEMENT DEMOLITION AND PROPOSED PAVEMENT CONSTRUCTION FOR THE REMAINING TWO (2) PRIVATE DRIVES OFF OF SPRING VALLEY ROAD NORTH OF THE PROPOSED BUILDING.  
BUILDING CONSTRUCTION ACCESS DURING THIS PHASE WILL SHIFT TO THE EAST PRIVATE DRIVE NEW PAVEMENT OFF OF SPRING VALLEY ROAD NORTHEAST OF THE PROPOSED BUILDING.
  5. THE INTENT OF INFRASTRUCTURE PHASE 4 IS TO COMPLETE THE EXISTING PAVEMENT DEMOLITION, PROPOSED WATER LINE AND PROPOSED PAVEMENT CONSTRUCTION FOR THE REMAINING ONE (1) PRIVATE DRIVE OFF OF MARSH LANE ON THE WEST SIDE OF THE SHOPPING CENTER.  
BUILDING CONSTRUCTION ACCESS WILL CONTINUE DURING THIS PHASE OFF OF SPRING VALLEY ROAD NORTHEAST OF THE PROPOSED BUILDINGS.

**LEGEND**

LIMITS OF DISTURBANCE

REMOVE & DISPOSE OF EXISTING PAVEMENT

PROPOSED PAVEMENT

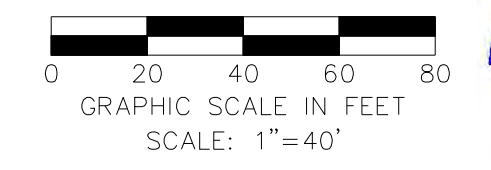
PROPOSED UTILITIES

**WARNING**

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TOWN OF ADDISON MONUMENT NO. 1 BEING A DISK SET IN CONCRETE ON THE NORTH SIDE OF SPRING VALLEY ROAD, APPROX. 147 FEET EAST OF THE CENTERLINE OF MARSH LANE.

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VITRUVIAN PARK PUBLIC INFRASTRUCTURE BLOCK 500 A  
TOWN OF ADDISON, TEXAS

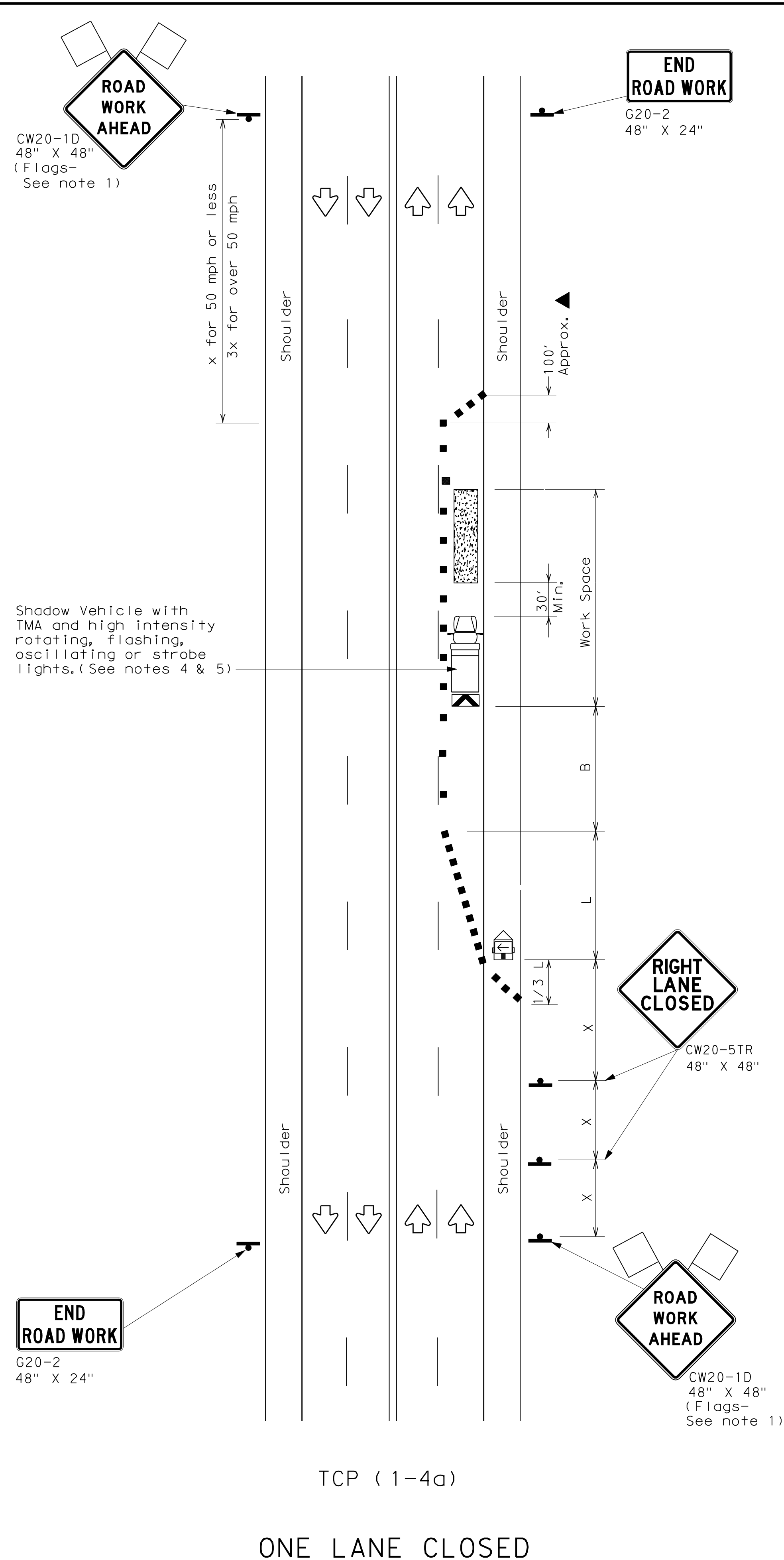
**CONSTRUCTION PHASING**  
**PHASE 4 SHOPPING CENTER**

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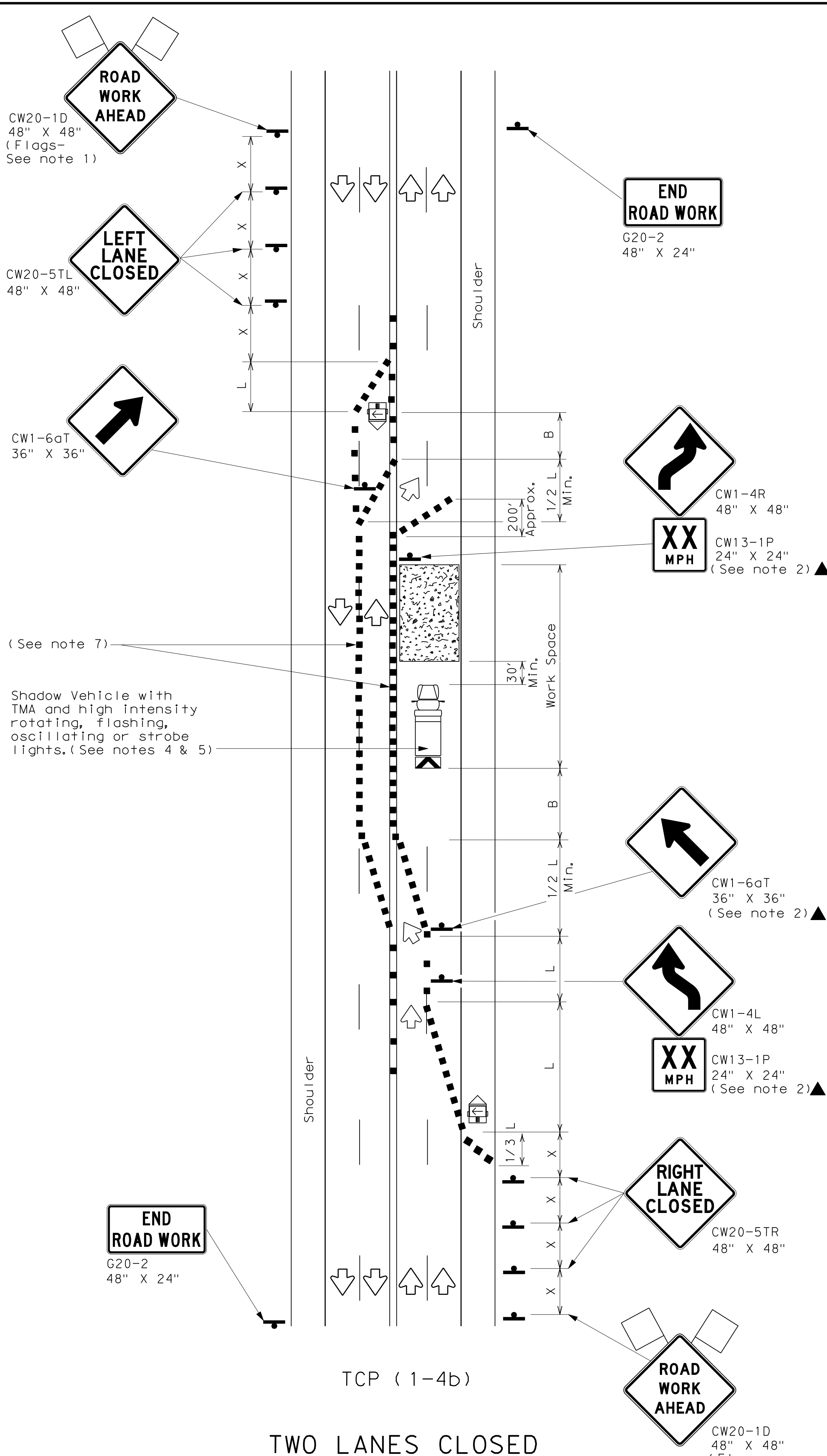
VITRUVIAN PARK BLOCK 500 A PUBLIC INFRASTRUCTURE - PROJECT NO. 5029-05

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DATE:  
FILE:



TCP (1-4a)  
ONE LANE CLOSED



TCP (1-4b)  
TWO LANES CLOSED

LEGEND			
	Type 3 Barricade		Channelizing Devices
	Heavy Work Vehicle		Truck Mounted Attenuator (TMA)
	Trailer Mounted Flashing Arrow Board		Portable Changeable Message Sign (PCMS)
	Sign		Traffic Flow
	Flag		Flagger

Posted Speed *	Formula	Minimum Desirable Taper Lengths **			Suggested Maximum Spacing of Channelizing Devices		Minimum Sign Spacing "X" Distance	Suggested Longitudinal Buffer Space "B"
		10' Offset	11' Offset	12' Offset	On a Taper	On a Tangent		
30	$L = \frac{WS^2}{60}$	150'	165'	180'	30'	60'	120'	90'
35		205'	225'	245'	35'	70'	160'	120'
40		265'	295'	320'	40'	80'	240'	155'
45	L = WS	450'	495'	540'	45'	90'	320'	195'
50		500'	550'	600'	50'	100'	400'	240'
55		550'	605'	660'	55'	110'	500'	295'
60		600'	660'	720'	60'	120'	600'	350'
65		650'	715'	780'	65'	130'	700'	410'
70	700'	770'	840'	70'	140'	800'	475'	
75	750'	825'	900'	75'	150'	900'	540'	

\* Conventional Roads Only  
\*\* Taper lengths have been rounded off.  
L=Length of Taper(FT) W=Width of Offset(FT) S=Posted Speed(MPH)

TYPICAL USAGE				
MOBILE	SHORT DURATION	SHORT TERM STATIONARY	INTERMEDIATE TERM STATIONARY	LONG TERM STATIONARY
	✓	✓		

GENERAL NOTES

- Flags attached to signs where shown are REQUIRED.
- All traffic control devices illustrated are REQUIRED, except those denoted with the triangle symbol may be omitted when stated elsewhere in the plans, or for routine maintenance work, when approved by the Engineer.
- The CW20-1D "ROAD WORK AHEAD" sign may be repeated if the visibility of the work zone is less than 1500 feet.
- A Shadow Vehicle with a TMA should be used anytime it can be positioned 30 to 100 feet in advance of the area of crew exposure without adversely affecting the performance or quality of the work. If workers are no longer present but road or work conditions require the traffic control to remain in place, Type 3 Barricades or other channelizing devices may be substituted for the Shadow Vehicle and TMA.
- Additional Shadow Vehicles with TMAs may be positioned off the paved surface, next to those shown in order to protect wider work spaces.

TCP (1-4a)

- If this TCP is used for a left lane closure, CW20-5TL "LEFT LANE CLOSED" signs shall be used and channelizing devices shall be placed on the centerline where needed to protect the work space from opposing traffic with the arrow panel placed in the closed lane near the end of the merging taper.

TCP (1-4b)

- Where traffic is directed over a yellow centerline, channelizing devices which separate two-way traffic should be spaced on tapers at 20' or 15' if posted speeds are 35 mph or slower, and for tangent sections, at 1/2S where S is the speed in mph. This tighter device spacing is intended for the areas of conflicting markings, not the entire work zone.

For construction or maintenance contract work, specific project requirements for shadow vehicles can be found in the project GENERAL NOTES for Item 502, Barricades, Signs and Traffic Handling.

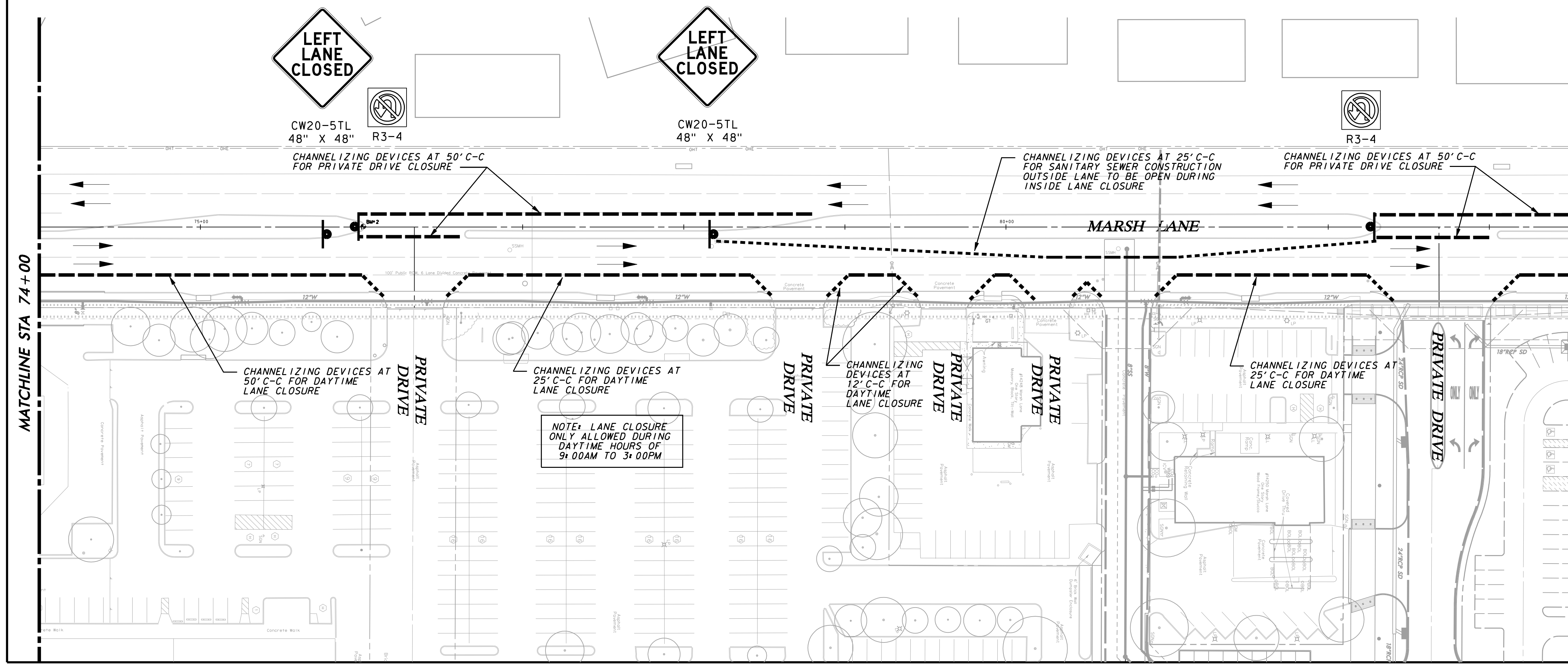
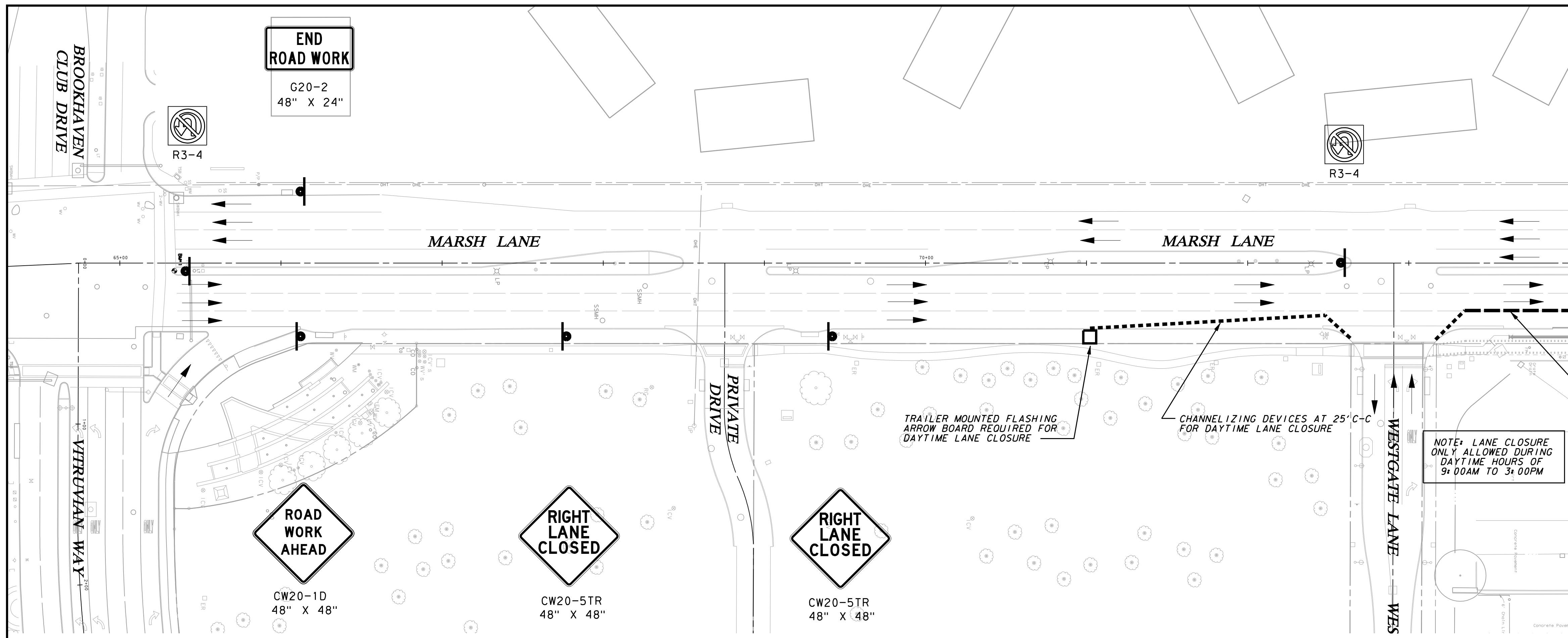
Texas Department of Transportation  
Traffic Operations Division

TRAFFIC CONTROL PLAN  
LANE CLOSURES ON MULTILANE  
CONVENTIONAL ROADS

TCP (1-4)-12

© TxDOT December 1985		DN: TxDOT	CK: TxDOT	DW: TxDOT	CK: TxDOT
REVISIONS		CONT	SECT	JOB	HIGHWAY
2-94	2-12				
8-95					
1-97					
4-98					
		DIST	COUNTY		SHEET NO.
					40

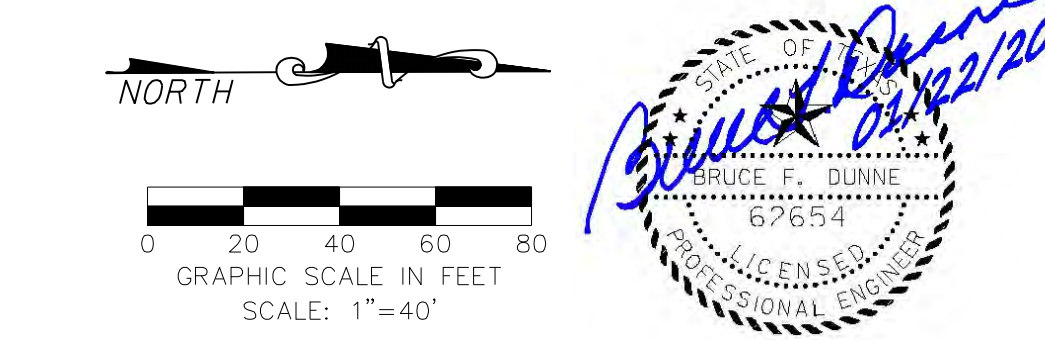




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 TOWN OF ADDISON, TEXAS

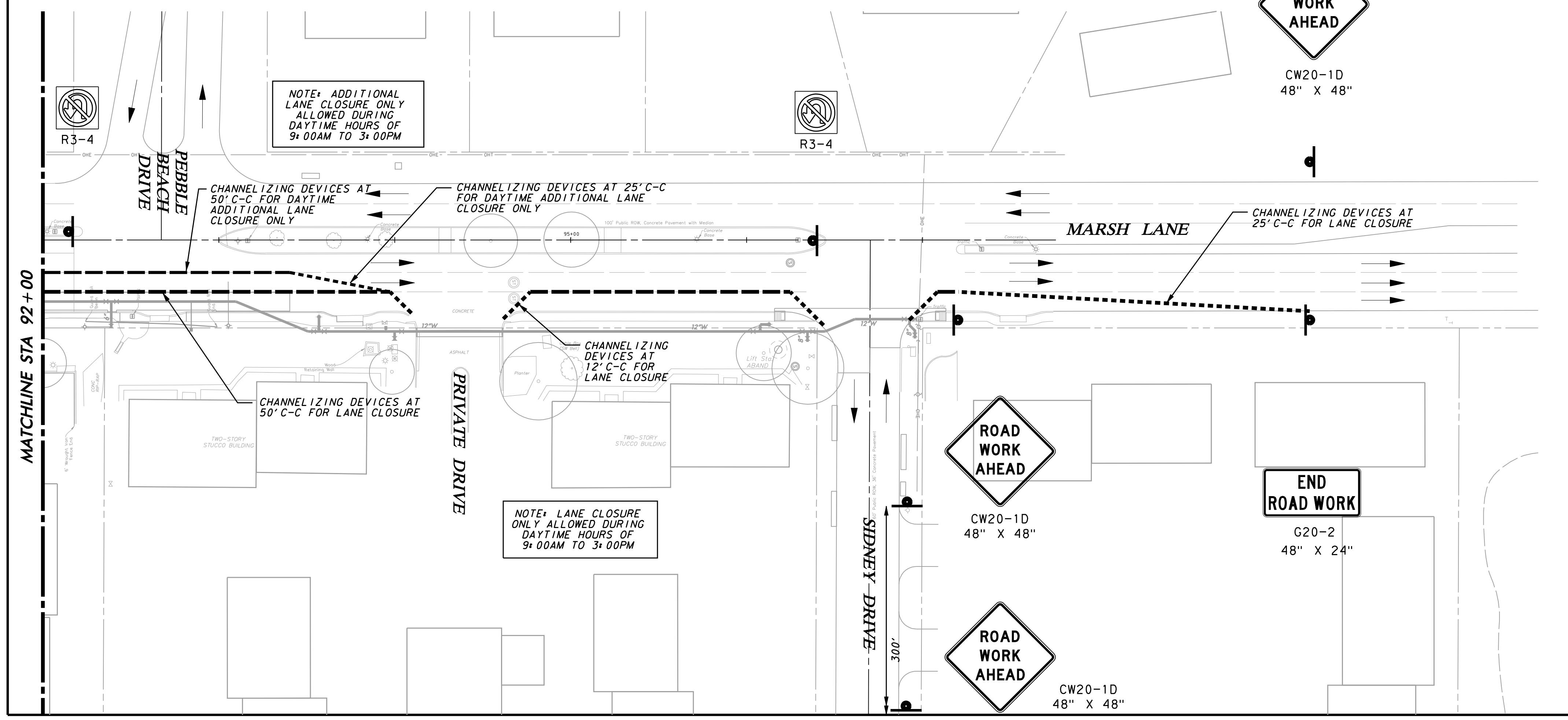
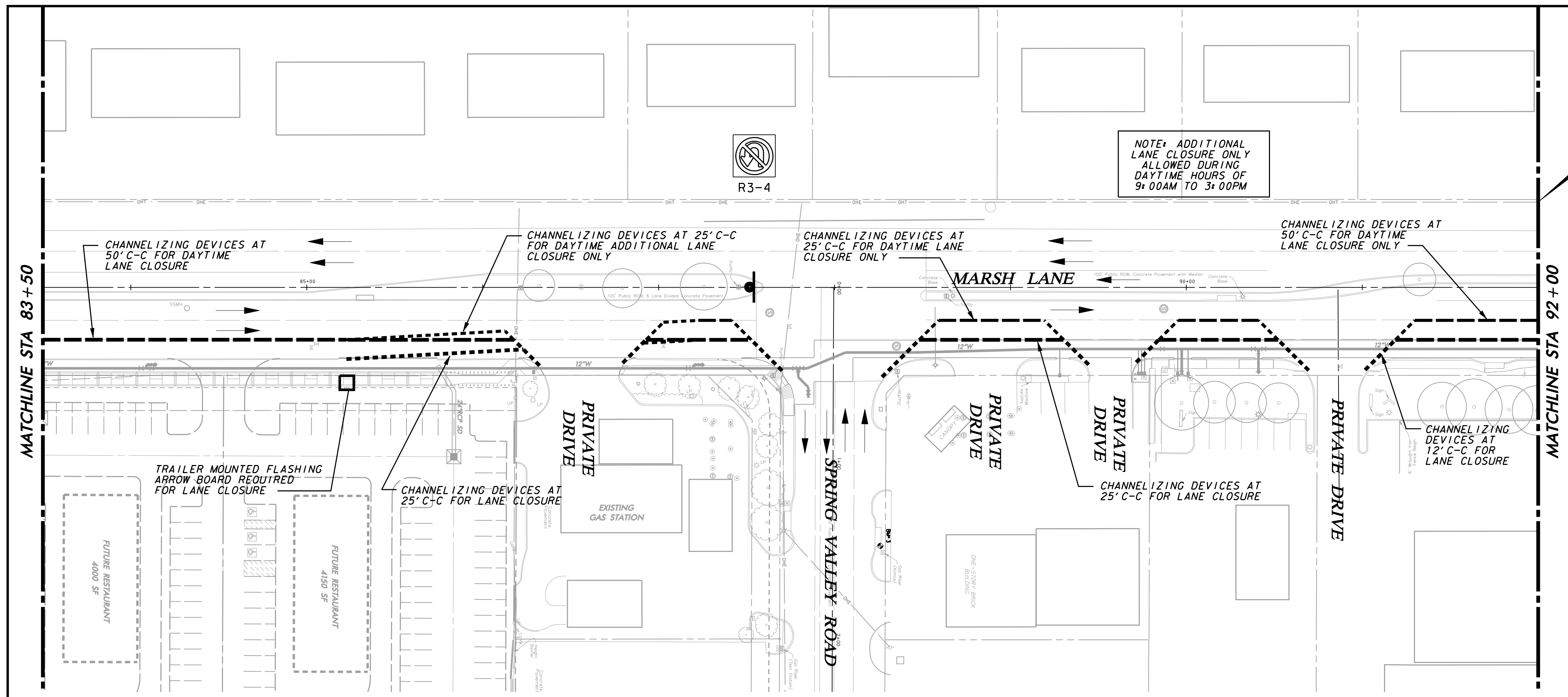
**TRAFFIC CONTROL PLAN**  
**MARSH LANE - STA 64+30 TO 83+50**

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NOTE: DURING THE CLOSURE OF THE MARSH LANE MEDIAN OPENING AT STATION 82+70 (TOM THUMB & CHASE BANK ENTRY), ADDITIONAL SPECIFIC "TOM THUMB & CHASE BANK" ENTRANCE SIGNAGE, WITH ARROWS, SHALL BE PLACED AHEAD OF AND AT SPRING VALLEY ROAD DIRECTING SOUTH BOUND MARSH LANE CUSTOMERS TO TURN LEFT AT SPRING VALLEY ROAD.

NOTE: ADDITIONAL LANE CLOSURE ONLY ALLOWED DURING DAYTIME HOURS OF 9:00AM TO 3:00PM



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NORTH

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

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**TRAFFIC CONTROL PLAN**  
**MARSH LANE - STA 83+50 TO 98+00**

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VITRUVIAN PARK BLOCK 500 A PUBLIC INFRASTRUCTURE - PROJECT NO. 5029-05

