

FEBRUARY 2019
PROJECT NUMBER: 222011532

OWNER/DEVELOPER:
CAWLEY PARTNERS
16400 W. DALLAS PARKWAY
DALLAS, TEXAS 75248
PH: (817) 875-5535
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CIVIL ENGINEER:
STANTEC CONSULTING SERVICES INC.
6080 TENNYSON PARKWAY, SUITE 200
PLANO, TEXAS 75024
PH: (972) 991-0011
CONTACT: JOSHUA A. MILLSAP, P.E.
TBPE # F-6324

SURVEYOR:
STANTEC CONSULTING SERVICES INC.
12222 MERIT DRIVE, SUITE 400
DALLAS, TEXAS 75251
PH: (972) 991-0011
CONTACT: DAVID DE WEIRDT, R.P.L.S.
TBPLS # F-10194229

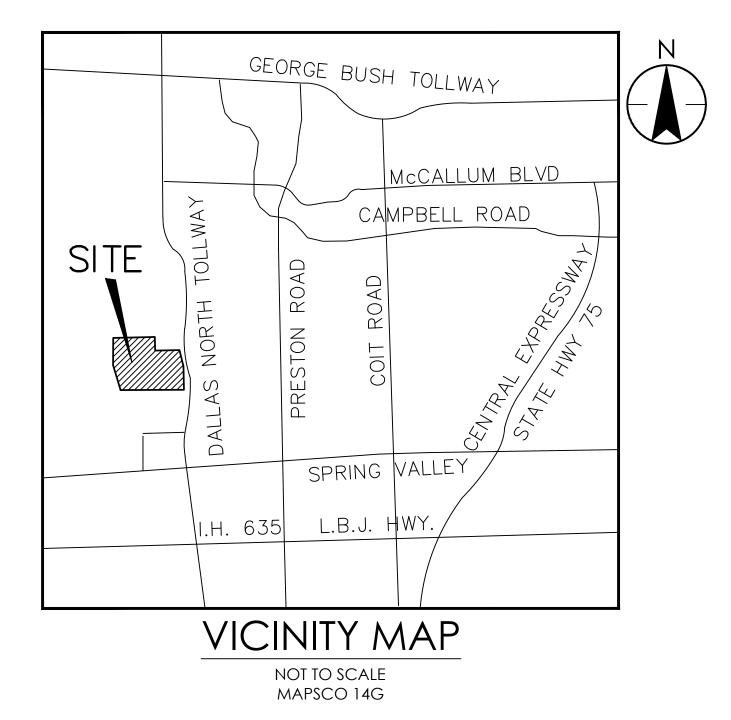
NOTE:

THIS PLAN CONFORMS WITH DESIGN STANDARDS INCLUDED IN THE TOWN OF

WATER SYSTEM REQUIREMENTS, AND

WASTE WATER SYSTEM REQUIREMENTS

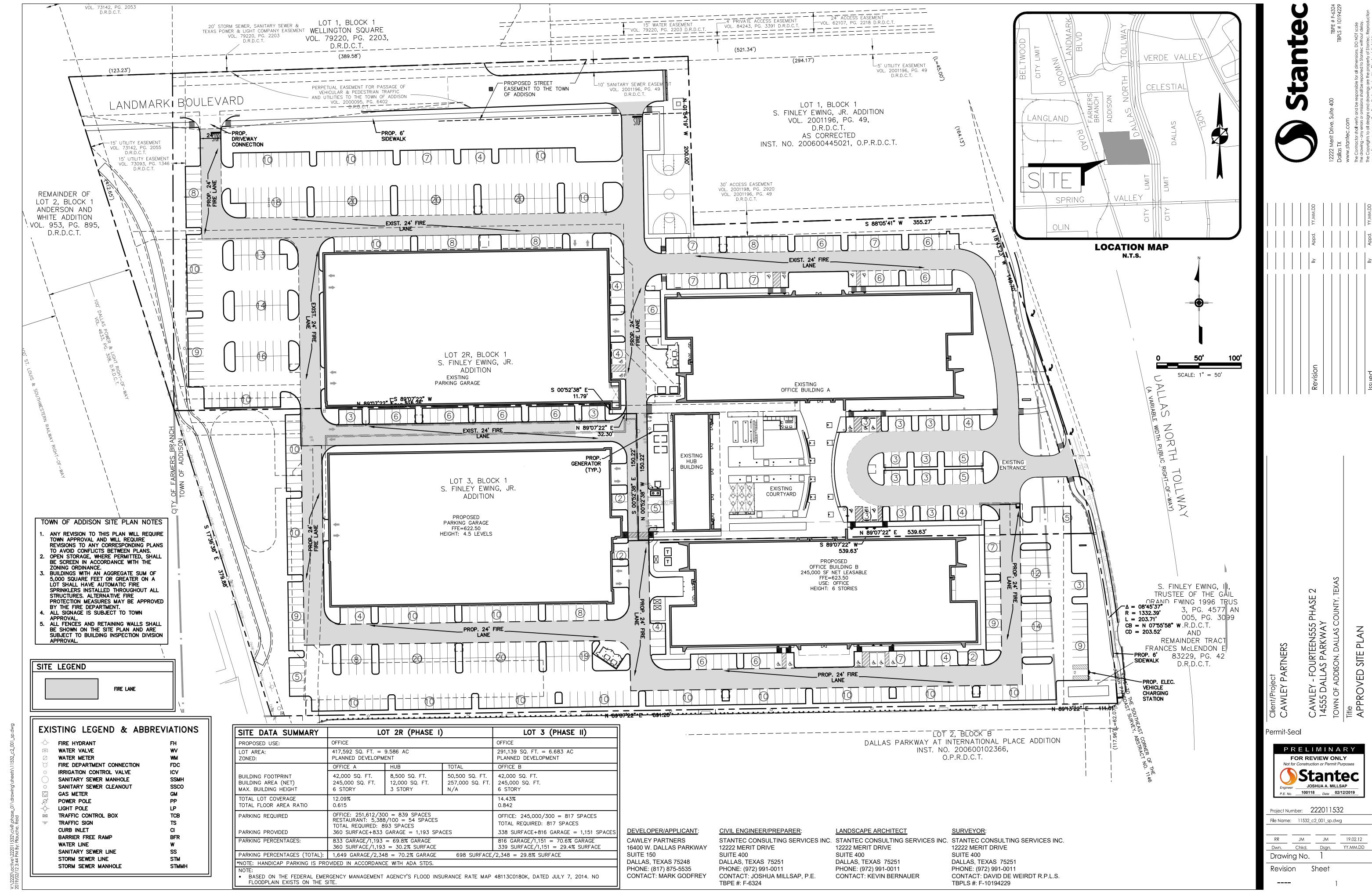
ADDISON TRANSPORTATION PLAN,

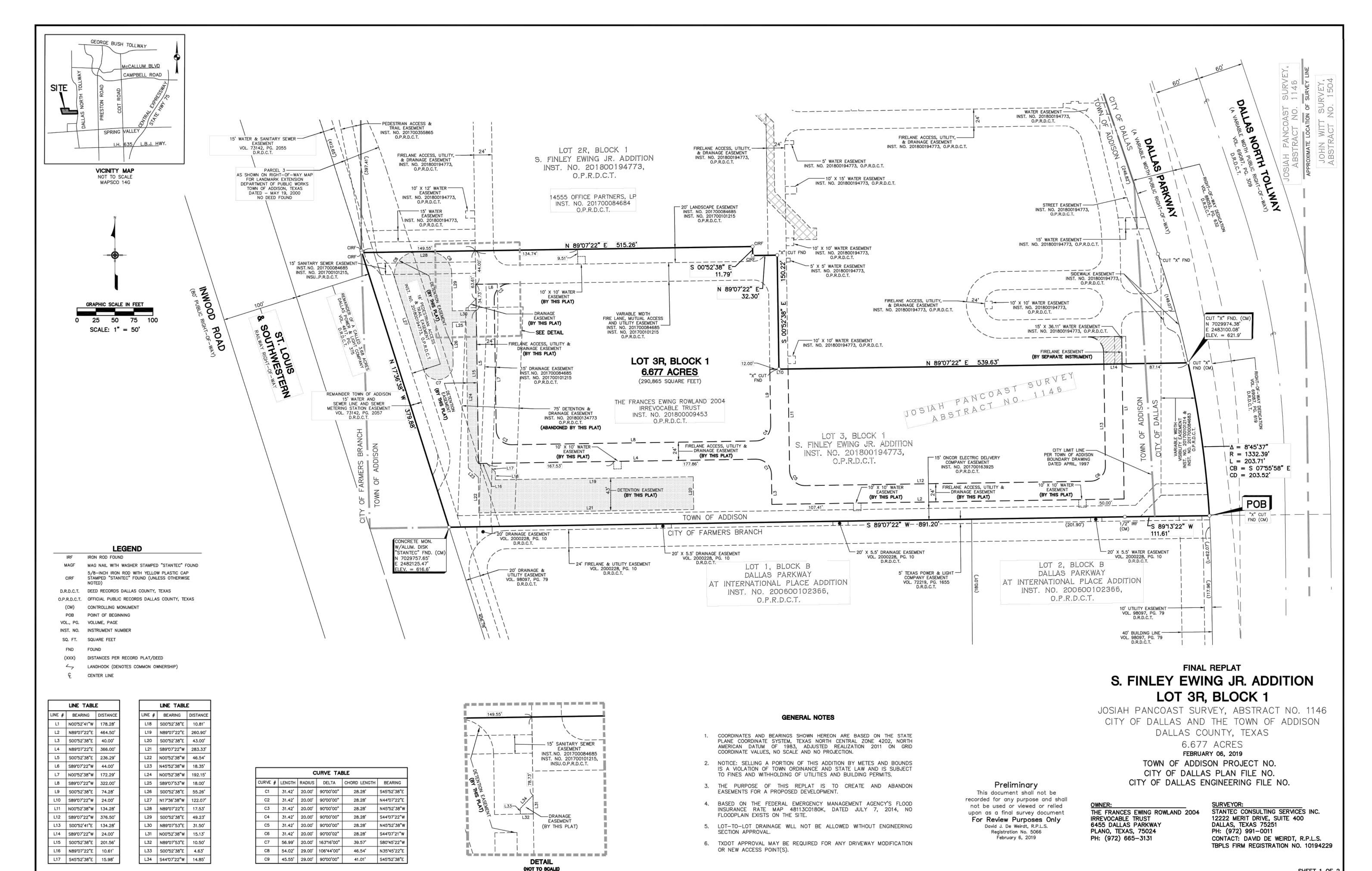


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QA/QC DATE





STANTEC PROJECT NO. 222010532 V:\2220\active\222011532\survey\drawings\10532v_rp.dwg modified by rdrobertson on Feb 6, 19 10:14 AM SHEET 1 OF 2

OWNER'S CERTIFICATE

STATE OF TEXAS § COUNTY OF DALLAS §

WHEREAS, THE FRANCES EWING ROWLAND 2004 IRREVOCABLE TRUST IS THE OWNER OF A 6.677 ACRE (290,858 SQUARE FOOT) TRACT OF LAND SITUATED IN THE JOSIAH PANCOAST SURVEY, ABSTRACT NO. 1146, CITY OF DALLAS AND TOWN OF ADDISON, DALLAS COUNTY, TEXAS, BEING ALL OF LOT 3, BLOCK 1 OF S. FINLEY EWING, JR. ADDITION, AN ADDITION TO THE TOWN OF ADDISON AND THE CITY OF DALLAS ACCORDING TO PLAT THEREOF RECORDED IN INSTRUMENT NUMBER 201800194773, OFFICIAL PUBLIC RECORDS OF DALLAS COUNTY, TEXAS (0.P.R.D.C.T.), AND BEING ALL OF A CALLED 6.677 ACRE TRACT OF LAND DESCRIBED IN THE SPECIAL WARRANTY DEED TO THE FRANCES EWING ROWLAND 2004 IRREVOCABLE TRUST, RECORDED IN INSTRUMENT NUMBER 201800009453, 0.P.R.D.C.T.. SAID 6.677 ACRE TRACT OF LAND BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

BEGINNING AT AN "X" CUT FOUND IN CONCRETE FOR THE SOUTHEAST CORNER OF SAID LOT 3, BLOCK 1, SAME BEING THE NORTHEAST CORNER OF LOT 2, BLOCK B OF DALLAS PARKWAY AT INTERNATIONAL PLACE ADDITION, AN ADDITION TO THE CITY OF FARMERS BRANCH ACCORDING TO PLAT THEREOF RECORDED IN INSTRUMENT NUMBER 200600102366, O.P.R.D.C.T., AND BEING IN THE WESTERLY RIGHT-OF-WAY LINE OF DALLAS NORTH TOLLWAY, (A VARIABLE WIDTH PUBLIC RIGHT-OF-WAY);

THENCE SOUTH 89°13'22" WEST DEPARTING THE WESTERLY RIGHT-OF-WAY LINE OF SAID DALLAS NORTH TOLLWAY ALONG THE COMMON LINE OF SAID LOT 3, BLOCK 1 AND SAID DALLAS PARKWAY AT INTERNATIONAL PLACE ADDITION, A DISTANCE OF 111.61 FEET TO A 1/2-INCH IRON ROD STAMPED "BDD" FOUND FOR CORNER;

THENCE SOUTH 89°07'22" WEST CONTINUING ALONG SAID COMMON LINE, A DISTANCE OF 891.20 FEET TO A 5/8-INCH IRON ROD WITH A 3-1/4-INCH ALUMINUM DISK STAMPED "STANTEC" FOUND IN CONCRETE FOR THE SOUTHWEST CORNER OF SAID LOT 3, BLOCK 1, SAME BEING THE NORTHWEST CORNER OF LOT 1, BLOCK B OF SAID DALLAS PARKWAY AT INTERNATIONAL PLACE ADDITION AND BEING IN THE EASTERLY LINE OF A CALLED 3.68 ACRE TRACT OF LAND DESCRIBED IN THE DEED TO DALLAS POWER & LIGHT COMPANY, RECORDED IN VOLUME 4617, PAGE 375, DEED RECORDS DALLAS COUNTY, TEXAS;

THENCE NORTH 17°36'38" WEST ALONG THE COMMON LINE OF SAID LOT 3, BLOCK 1 AND SAID 3.68 ACRE TRACT OF LAND, A DISTANCE OF 379.88 FEET TO A 5/8-INCH IRON ROD WITH YELLOW PLASTIC CAP STAMPED "STANTEC" FOUND FOR THE NORTHWEST CORNER OF SAID LOT 3, BLOCK 1 SAME BEING THE SOUTHWEST CORNER OF LOT 2R, BLOCK 1 OF SAID S. FINLEY EWING, JR. ADDITION;

THENCE ALONG THE COMMON LINE OF SAID LOT 3 AND LOT 2R. BLOCK 1. THE FOLLOWING CALLS:

NORTH 89°07'22" EAST, A DISTANCE OF 515.26 FEET TO A 5/8-INCH IRON ROD WITH YELLOW PLASTIC CAP STAMPED "STANTEC" FOUND FOR CORNER;

SOUTH 00°52'38" EAST, A DISTANCE OF 11.79 FEET TO A 5/8-INCH IRON ROD WITH YELLOW PLASTIC CAP STAMPED "STANTEC" FOUND FOR CORNER;

NORTH 89°07'22" EAST, A DISTANCE OF 32.30 FEET TO A CUT "X" FOUND FOR CORNER;

SOUTH 00°52'38" EAST, A DISTANCE OF 150.22 FEET TO A CUT "X" FOUND FOR CORNER;

NORTH 89°07'22" EAST, A DISTANCE OF 539.63 FEET TO A CUT "X" FOUND FOR THE NORTHEAST CORNER OF SAID LOT 3, BLOCK 1, SAME BEING THE SOUTHEAST CORNER OF SAID LOT 2R, BLOCK 1 AND BEING IN THE WESTERLY RIGHT-OF-WAY LINE OF SAID DALLAS NORTH TOLLWAY AND BEING THE POINT OF CURVATURE OF A NON-TANGENT CURVE TO THE RIGHT HAVING A RADIUS POINT WHICH BEARS SOUTH 77°41'14" WEST, A DISTANCE OF 1332.39 FEET;

THENCE SOUTHEASTERLY ALONG SAID WESTERLY RIGHT-OF-WAY LINE WITH SAID CURVE TO THE RIGHT THROUGH A CENTRAL ANGLE OF 08°45'37" FOR AN ARC LENGTH OF 203.71 FEET, A CHORD BEARING OF SOUTH 07°55'58" EAST, AND A CHORD DISTANCE OF 203.52 FEET TO THE POINT OF BEGINNING;

CONTAINING A COMPUTED AREA OF 290,865 SQUARE FEET OR 6.677 ACRES OF LAND.

DETENTION AREA EASEMENT STATEMENT

THIS PLAT IS APPROVED BY THE TOWN OF ADDISON AND ACCEPTED BY THE OWNER(S), SUBJECT TO THE FOLLOWING CONDITIONS WHICH SHALL BE BINDING UPON THE OWNER(S), HIS HEIRS, GRANTEES AND SUCCESSORS, AND ASSIGNS:

THE PROPOSED DETENTION AREA EASEMENT WITHIN THE LIMITS OF THIS ADDITION, WILL REMAIN AS DETENTION AREA TO THE LINE AND GRADE SHOWN ON THE PLANS AT ALL TIMES AND WILL BE MAINTAINED BY THE INDIVIDUAL OWNER(S) OF THE LOT OR LOTS THAT ARE TRAVERSED BY OR ADJACENT TO THE DETENTION AREA. THE TOWN OF ADDISON WILL NOT BE RESPONSIBLE FOR THE MAINTENANCE AND OPERATION OF SAID DETENTION AREA OR ANY DAMAGE OR INJURY TO PRIVATE PROPERTY OR PERSON THAT RESULTS FROM THE FLOW OF WATER ALONG, INTO OR OUT OF SAID DETENTION AREA, OR FOR THE CONTROL OF EROSION.

NO OBSTRUCTION TO THE NATURAL FLOW OF STORM WATER RUN-OFF SHALL BE PERMITTED BY FILLING OR CONSTRUCTION OF ANY TYPE OF DAM, BUILDING, BRIDGE, FENCE, WALKWAY OR ANY OTHER STRUCTURE WITHIN THE DESIGNATED DETENTION AREA UNLESS APPROVED BY THE DIRECTOR OF PUBLIC WORKS, PROVIDED; HOWEVER, IT IS UNDERSTOOD THAT IN THE EVENT IT BECOMES NECESSARY FOR THE TOWN OF ADDISON TO ERECT ANY TYPE OF DRAINAGE STRUCTURE IN ORDER TO IMPROVE THE STORM DRAINAGE THAT MAY BE OCCASIONED BY THE STREETS AND ALLEYS IN OR ADJACENT TO THE SUBDIVISIONS, THEN, IN SUCH EVENT, THE TOWN OF ADDISON SHALL HAVE THE RIGHT TO ENTER UPON THE DETENTION AREA AT ANY POINT, OR POINTS, TO ERECT, CONSTRUCT AND MAINTAIN ANY DRAINAGE FACILITY DEEMED NECESSARY FOR DRAINAGE PURPOSES. EACH PROPERTY OWNER SHALL KEEP THE DETENTION AREA TRAVERSING OR ADJACENT TO HIS PROPERTY CLEAN AND FREE OF DEBRIS, SILT AND ANY SUBSTANCE WHICH WOULD RESULT IN UNSANITARY CONDITIONS OR BLOCKAGE OF THE DRAINAGE. THE TOWN OF ADDISON SHALL HAVE THE RIGHT OF INGRESS AND EGRESS FOR THE PURPOSE OF INSPECTION AND SUPERVISION OF MAINTENANCE WORK BY THE PROPERTY OWNER(S), OR TO ALLEVIATE ANY UNDESIRABLE CONDITIONS, WHICH MAY

THE DETENTION AREA AS IN THE CASE OF ALL DETENTION AREAS ARE SUBJECT TO STORM WATER OVERFLOW(S) TO AN EXTENT WHICH CANNOT BE CLEARLY DEFINED. THE TOWN OF ADDISON SHALL NOT BE HELD LIABLE FOR ANY DAMAGES OF ANY NATURE RESULTING FROM THE OCCURRENCES OF THESE NATURAL PHENOMENA, NOR RESULTING FROM THE FAILURE OF ANY STRUCTURE OR STRUCTURES, WITHIN THE DETENTION AREA OR SUBDIVISION STORM DRAINAGE SYSTEM.

THE DETENTION AREA EASEMENT LINE IDENTIFIED ON THIS PLAT SHOWS THE DETENTION AREA SERVING THIS

OWNER'S DEDICATION

NOW THEREFORE, KNOW ALL MEN BY THESE PRESENTS:

THAT THE FRANCIS EWING ROWLAND 2004 IRREVOCABLE TRUST ("OWNER") DO HEREBY ADOPT THIS PLAT DESIGNATING THE HEREINABOVE PROPERTY AS LOT 3R, BLOCK 1, S. FINLEY EWING JR. ADDITION, AN ADDITION TO THE TOWN OF ADDISON AND THE CITY OF DALLAS, TEXAS, AND SUBJECT TO THE CONDITIONS, RESTRICTIONS AND RESERVATIONS STATED HEREINAFTER, OWNERS DEDICATE, IN FEE SIMPLE TO THE PUBLIC USE FOREVER THE STREETS AND ALLEYS SHOWN THEREON.

THE EASEMENTS SHOWN ON THIS PLAT ARE HEREBY RESERVED FOR THE PURPOSES AS INDICATED, INCLUDING, BUT NOT LIMITED TO, THE INSTALLATION AND MAINTENANCE OF WATER, SANITARY SEWER, STORM SEWER, DRAINAGE, ELECTRIC, TELEPHONE, GAS AND CABLE TELEVISION. OWNERS SHALL HAVE THE RIGHT TO USE THESE EASEMENTS, PROVIDED, HOWEVER, THAT IT DOES NOT UNREASONABLY INTERFERE OR IMPEDE WITH THE PROVISION OF THE SERVICES TO OTHERS. SAID UTILITY EASEMENTS ARE HEREBY BEING RESERVED BY MUTUAL USE AND ACCOMMODATION OF ALL PUBLIC UTILITIES USING OR DESIRING TO USE THE SAME. AN EXPRESS EASEMENT OF INGRESS AND EGRESS IS HEREBY EXPRESSLY GRANTED ON, OVER AND ACROSS ALL SUCH EASEMENTS FOR THE BENEFIT OF THE PROVIDER OF SERVICES FOR WHICH EASEMENTS ARE GRANTED.

ANY DRAINAGE AND FLOODWAY EASEMENT SHOWN HEREON IS HEREBY DEDICATED TO THE PUBLIC'S USE FOREVER, BUT INCLUDING THE FOLLOWING COVENANTS WITH REGARDS TO MAINTENANCE RESPONSIBILITIES. THE EXISTING CHANNELS OR CREEKS TRAVERSING THE DRAINAGE AND FLOODWAY EASEMENT WILL REMAIN AS AN OPEN CHANNEL, UNLESS REQUIRED TO BE ENCLOSED BY ORDINANCE, AT ALL TIMES AND SHALL BE MAINTAINED BY THE INDIVIDUAL OWNERS OF THE LOT OR LOTS THAT ARE TRAVERSED BY OR ADJACENT TO THE DRAINAGE AND FLOODWAY EASEMENT. THE TOWN/CITY WILL NOT BE RESPONSIBLE FOR THE MAINTENANCE AND OPERATION OF SAID CREEK OR CREEKS OR FOR ANY DAMAGE OR INJURY OF PRIVATE PROPERTY OR PERSON THAT RESULTS FROM THE FLOW OF WATER ALONG SAID CREEK, OR FOR THE CONTROL OF EROSION. NO OBSTRUCTION TO THE NATURAL FLOW OF WATER RUNOFF SHALL BE PERMITTED BY CONSTRUCTION OF ANY BUILDING TYPE, FENCE OR ANY OTHER STRUCTURE WITHIN THE DRAINAGE AND FLOODWAY EASEMENT. PROVIDED, HOWEVER, IT IS UNDERSTOOD THAT IN THE EVENT IT BECOMES NECESSARY FOR THE TOWN TO CHANNELIZE OR CONSIDER ERECTING ANY TYPE OF DRAINAGE STRUCTURE IN ORDER TO IMPROVE THE STORM DRAINAGE, THEN IN SUCH EVENT, THE TOWN/CITY SHALL HAVE THE RIGHT, BUT NOT THE OBLIGATION, TO ENTER UPON THE DRAINAGE AND FLOODWAY EASEMENT AT ANY POINT, OR POINTS, WITH ALL RIGHTS OF INGRESS AND EGRESS TO INVESTIGATE, SURVEY, ERECT, CONSTRUCT OR MAINTAIN ANY DRAINAGE FACILITY DEEMED NECESSARY BY THE TOWN FOR MAINTENANCE OR EFFICIENCY OF ITS RESPECTIVE SYSTEM OR SERVICE

WATER MAIN AND SANITARY SEWER EASEMENTS SHALL ALSO INCLUDE ADDITIONAL AREA OF WORKING SPACE FOR CONSTRUCTION AND MAINTENANCE OF THE SYSTEMS. ADDITIONAL EASEMENT AREA IS ALSO CONVEYED FOR INSTALLATION AND MAINTENANCE OF MANHOLES, CLEANOUTS, FIRE HYDRANTS, WATER SERVICE AND SEWER SERVICES FROM THE MAIN TO CURB OR PAVEMENT LINE, AND THE DESCRIPTIONS OF SUCH ADDITIONAL EASEMENTS HEREIN GRANTED SHALL BE DETERMINED BY THEIR LOCATIONS AS INSTALLED.

THIS PLAT IS APPROVED SUBJECT TO ALL PLATTING ORDINANCES, RULES, REGULATIONS AND RESOLUTIONS OF THE TOWN OF ADDISON AND THE CITY OF DALLAS, TEXAS.

WITNESS, MY HAND THIS THE _____ DAY OF______, 2019.

THE FRANCES EWING ROWLAND 2004 IRREVOCABLE TRUST

NAME: <u>S. FINLEY EWING, III</u>

TITLE: TRUSTEE

STATE OF TEXAS §

BEFORE ME, THE UNDERSIGNED AUTHORITY, ON THIS DAY PERSONALLY APPEARED <u>S. FINLEY EWING, III</u>, KNOWN TO ME TO BE THE PERSON WHOSE NAME IS SUBSCRIBED TO THE ABOVE AND FOREGOING INSTRUMENT, AND ACKNOWLEDGED TO ME THAT HE EXECUTED THE SAME FOR THE PURPOSES AND CONSIDERATION EXPRESSED AND IN THE CAPACITY THEREIN STATED.

GIVEN UNDER MY HAND AND SEAL OF OFFICE ON THIS THE ______ DAY OF ______, 2019.

NOTARY PUBLIC IN AND FOR THE STATE OF TEXAS

SURVEYOR'S STATEMENT:

I, DAVID J. DE WEIRDT, A REGISTERED PROFESSIONAL LAND SURVEYOR, LICENSED BY THE STATE OF TEXAS, AFFIRM THAT THIS PLAT WAS PREPARED UNDER MY DIRECT SUPERVISION, FROM RECORDED DOCUMENTATION, EVIDENCE COLLECTED ON THE GROUND DURING FIELD OPERATIONS AND OTHER RELIABLE DOCUMENTATION; AND THAT THIS PLAT SUBSTANTIALLY COMPLIES WITH THE RULES AND REGULATIONS OF THE TEXAS BOARD OF PROFESSIONAL LAND SURVEYING, THE TOWN OF ADDISON, THE CITY OF DALLAS DEVELOPMENT CODE (ORDINANCE NO. 19455, AS AMENDED), AND TEXAS LOCAL GOVERNMENT CODE, CHAPTER 212 AND THE SUBDIVISION REGULATIONS OF THE TOWN OF ADDISON. I FURTHER AFFIRM THAT MONUMENTATION SHOWN HEREON WAS EITHER FOUND OR PLACED IN COMPLIANCE WITH THE CITY OF DALLAS DEVELOPMENT CODE, SEC. 51A—8.617 (a) (b) (c) (d) & (e); AND THAT THE DIGITAL DRAWING FILE ACCOMPANYING THIS PLAT IS A PRECISE REPRESENTATION OF THIS SIGNED FINAL PLAT.

DATED THIS TH	HE DAY OF	, 2019.
DAVID J. DE W	FIRNT R.P.I.S	

TEXAS REGISTERED PROFESSIONAL LAND SURVEYOR NO. 5066

NOTARY PUBLIC IN AND FOR THE STATE OF TEXAS

Preliminary
This document shall not be recorded for any purpose and shall not be used or viewed or relied upon as a final survey document
For Review Purposes Only
David J. De Weirdt, R.P.L.S.
Registration No. 5066
February 6, 2019

STATE OF TEXAS § COUNTY OF DALLAS §

BEFORE ME, THE UNDERSIGNED, A NOTARY PUBLIC IN AND FOR THE SAID COUNTY AND STATE, ON THIS DAY PERSONALLY APPEARED DAVID J. DE WEIRDT, KNOWN TO ME TO BE THE PERSON WHOSE NAME IS SUBSCRIBED TO THE FOREGOING INSTRUMENT, AND ACKNOWLEDGED TO ME THAT HE EXECUTED THE SAME FOR THE PURPOSE THEREIN EXPRESSED EXPRESSED AND UNDER OATH STATED THE THE STATEMENTS IN THE FOREGOING CERTIFICATE ARE TRUE.

GIVEN	UNDER	MY	HAND	AND	SEAL	OF	OFFICE	THIS	 DAY OF	F,	2019.

TOWN OF ADDISON APPROVAL BLOCK

APPROVED BY THE PLANNING AND ZONING COMMISSION OF THE TOWN OF ADDISON, TEXAS ON
CHAIR, PLANNING AND ZONING COMMISSION
CITY SECRETARY

S. FINLEY EWING JR. ADDITION LOT 3R, BLOCK 1

JOSIAH PANCOAST SURVEY, ABSTRACT NO. 1146
CITY OF DALLAS AND THE TOWN OF ADDISON
DALLAS COUNTY, TEXAS
6.677 ACRES
FEBRUARY 06, 2019
TOWN OF ADDISON PROJECT NO.

TOWN OF ADDISON PROJECT NO.
CITY OF DALLAS PLAN FILE NO.
CITY OF DALLAS ENGINEERING FILE NO.

OWNER:
THE FRANCES EWING ROWLAND 2004
IRREVOCABLE TRUST
6455 DALLAS PARKWAY
PLANO, TEXAS, 75024
PH: (972) 665-3131

SURVEYOR:
STANTEC CONSULTING SERVICES INC.
12222 MERIT DRIVE, SUITE 400
DALLAS, TEXAS 75251
PH: (972) 991-0011
CONTACT: DAVID DE WEIRDT, R.P.L.S.
TBPLS FIRM REGISTRATION NO. 10194229

STANTEC PROJECT NO. 222011532 SHEET 2 OF 2

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 DEVELOPER ASSUMES NO RESPONSIBILITY FOR ANY CONCLUSIONS OR INTERPRETATIONS MADE BY THE CONTRACTOR ON THE BASIS OF THE INFORMATION MADE AVAILABLE BY THE DEVELOPER.

3. SUBSURFACE INVESTIGATION: SUBSURFACE EXPLORATION TO ASCERTAIN THE NATURE OF SOILS, INCLUDING THE AMOUNT OF ROCK, F 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 DEVELOPER AND ENGINEER DISCLAIM ANY RESPONSIBILITY FOR THE ACCURACY, TRUE LOCATION AND EXTENT OF THE SOILS INFORMATION THAT HAS BEEN PREPARED BY OTHERS. THEY FURTHER DISCLAIM RESPONSIBILITY FOR INTERPRETATION OF THAT DATA BY THE CONTRACTOR, AS IN PROJECTING SOIL BEARING VALUES, ROCK PROFILES, SOILS STABILITY AND THE PRESENCE, LEVEL AND EXTENT OF UNDERGROUND WATER.

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

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

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

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

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

9. IMPACT FEES: NOT APPLICABLE.

10. 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.

11. 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.

LABORATORY, EMPLOYED AND PAID DIRECTLY BY THE DEVELOPER. 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 DEVELOPER. PAYMENT WILL BE MADE BY DEDUCTION FROM PAYMENT DUE THE CONTRACTOR. COPIES OF ALL TESTING REPORTS SHALL BE PROVIDED TO THE TOWN OF ADDISON.

13. INSPECTION: INSPECTION OF THE PROPOSED CONSTRUCTION WILL BE PROVIDED BY THE GOVERNING AUTHORITIES AND/OR THE DEVELOPER. COSTS FOR INSPECTION SERVICES WILL BE PAID BY THE DEVELOPER. 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 GOVERNING AUTHORITIES AND/OR DEVELOPER FOR SCHEDULING OF INSPECTION SERVICES. CONTRACTOR SHALL BE RESPONSIBLE FOR THE DETERMINATION OF ANY REQUIRED INSPECTIONS, THE SCHEDULING AND CONTROL OF INSPECTIONS AND THE ACCEPTANCE OF ALL PUBLIC AND/OR PRIVATE UTILITIES BY THE APPROPRIATE GOVERNING AUTHORITY PRIOR TO TRENCH BACKFILLING.

14. 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. SHOP DRAWINGS SHALL BE SUBMITTED TO TOWN OF ADDISON FOR REVIEW AND APPROVAL.

15. SURVEYING ALL SURVEYING REQUIRED FOR CONSTRUCTION STAKING SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE DEVELOPER SHALL PROVIDE THE PROPERTY CORNERS AND TWO BENCHMARKS FOR USE AS HORIZONTAL AND VERTICAL DATUM. THE CONTRACTOR SHALL EMPLOY A REGISTERED PROFESSIONAL LAND SURVEYOR TO PERFORM ALL ADDITIONAL SURVEY, LAYOUT AND MEASUREMENT WORK NECESSARY FOR THE COMPLETION OF THE PROJECT. THE CONTRACTOR SHALL VERIFY THE SITE BENCHMARKS' ELEVATION SHOWN ON THE PLANS AND REPORT ANY DISCREPANCIES TO THE OWNER AND ENGINEER PRIOR TO ANY CONSTRUCTION STAKING. ALL CONSTRUCTION TRADES SHALL COORDINATE THROUGH THE GENERAL CONTRACTOR USING THE SAME BENCHMARKS FOR VERTICAL CONTROL. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL COSTS ASSOCIATED WITH THE REMOVAL, REPLACEMENT AND REDESIGN OF ANY IMPROVEMENTS CONSTRUCTED PRIOR TO CHECKING HORIZONTAL/VERTICAL CONTROL AND PLAN DIMENSIONS AND NOTIFICATION OF ANY DISCREPANCIES TO THE OWNER AND ENGINEER.

16. 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.

17. EXISTING STRUCTURES: THE PLANS SHOW THE LOCATION OF ALL KNOWN SURFACE AND SUBSURFACE STRUCTURES, HOWEVER, THE DEVELOPER 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.

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

THE LOCATION AND DIMENSIONS SHOWN ON THE PLANS RELATIVE TO EXISTING UTILITIES ARE BASED ON THE BEST RECORDS AND/OR FIELD INFORMATION AVAILABLE AND ARE NOT GUARANTEED BY THE DEVELOPER 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 ADJÜSTMENTS 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 INTERFERENCES OR DELAYS, THE CONTRACTOR SHALL COORDINATE ALL UTILITY REMOVALS, REPLACEMENTS AND CONSTRUCTION WITH THE APPROPRIATE GOVERNING AUTHORITIES, THEN REQUEST WRITTEN AUTHORIZATION FROM THE ENGINEER. THE DEVELOPER WILL NOT BE LIABLE FOR DAMAGES DUE TO DELAY AS A

19. 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.

20. FIRE AND LIFE SAFETY SYSTEMS: CONTRACTOR SHALL NOT REMOVE, DISABLE OR DISRUPT EXISTING FIRE OR LIFE SAFETY

21. 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

22. SAFETY RESTRICTIONS - WORK NEAR HIGH VOLTAGE LINES: THE FOLLOWING PROCEDURES WILL BE FOLLOWED REGARDING THE

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.

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

A. CONSTRUCTION OF SIGNING AND BARRICADES SHALL CONFORM WITH THE "2011 TEXAS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES". AS CURRENTLY AMENDED, TEXAS DEPARTMENT OF HIGHWAYS AND PUBLIC TRANSPORTATION.

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

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

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

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

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

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

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.

24. ACCESS TO ADJACENT PROPERTIES: ACCESS TO ADJACENT PROPERTIES SHALL BE MAINTAINED AT ALL TIMES UNLESS OTHERWISE DIRECTED BY THE GOVERNING AUTHORITIES AND/OR DEVELOPER.

25. 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 DEVELOPER. 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.

26. 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 DEVELOPER. 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 DEVELOPER, THE GOVERNING AUTHORITIES, THE PUBLIC AND THE OTHER WORK. ALL BARRICADES, LIGHTS, AND MARKERS MUST MEET THE REQUIREMENTS OF THE GOVERNING AUTHORITIES' REGULATIONS.

27. 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

28. 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 APPROPRIATE SERVICE PROVIDER FOR HIS USE ON THE PROJECT SITE. COSTS ASSOCIATED WITH THESE SERVICES SHALL BE INCLUDED IN THE CONTRACT AMOUNT.

29. 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.

30. DRAINAGE CHANNELS: WHERE EXISTING DRAINAGE CHANNELS ARE TEMPORARILY DISTURBED OR BLOCKED DURING CONSTRUCTION. IT SHALL BE RESTORED TO THE ORIGINAL CONDITION, GRADE AND CROSS SECTION AFTER CONSTRUCTION IS COMPLETED. A BYPASS SHALL BE PROVIDED DURING ANY DISTURBANCE/BLOCKAGE.

31. 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.

32. 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 DEVELOPER, SUCH MATERIAL, DEBRIS OR RUBBISH CONSTITUTES A NUISANCE OR IS OBJECTIONABLE. IN CASE OF FAILURE ON THE PART OF THE CONTRACTOR UNDER HIS CONTRACT, OR WHERE SUFFICIENT CONTRACT FUNDS ARE UNAVAILABLE FOR THIS PURPOSE, THE CONTRACTOR OR HIS SURETY SHALL REIMBURSE THE DEVELOPER FOR ALL SUCH COSTS.

33. 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.

34. 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.

35. CLEAN-UP FOR FINAL ACCEPTANCE: THE CONTRACTOR SHALL MAKE A FINAL CLEAN UP OF ALL PARTS OF THE WORK BEFORE ACCEPTANCE BY THE DEVELOPER. 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.

36. 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 DEVELOPER 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 DEVELOPER, THE DEVELOPER WILL, AFTER GIVING WRITTEN NOTICE TO THE CONTRACTOR, HAVE THE AUTHORITY TO CAUSE DEFECTIVE WORK TO BE REMEDIED OR REMOVED AND REPLACED, OR TO CAUSE UNAUTHORIZED WORK TO BE REMOVED AND TO DEDUCT THE COST THEREOF FROM ANY MONIES DUE OR TO BECOME DUE THE

37. 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 CONCRETE, ASPHALT, 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.

38. 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 NOT COVERED BY THE LANDSCAPE PLAN 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.

39. 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 DEVELOPER 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 DEVELOPER WILL NOT ACCEPT THE PAYMENT REQUEST. THE COMPLETED SET OF "RECORD" DRAWINGS MUST BE DELIVERED TO THE DEVELOPER AND ACCEPTED BY TOWN OF ADDISON BEFORE REQUESTING FINAL PAYMENT.

	EXISTING	PROPOSED	FUTURE
PROPERTY LINE			N/A
BUILDING	(/////		
FINISH FLOOR ELEVATION	FFE=650.00	FFE=650.00	 N/A
SPOT ELEVATION	* 650.50	× e ₂₀ .20	N/A
CURB		···	=====
ASPHALT PAVEMENT			N/A
RIDGE LINE	N/A	~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~	N/A
SWALE or VALLEY GUTTER		KL	N/A
	.>	→ · · →	
CONTOUR LINE	_ — — 675 — — \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	675————————————————————————————————————	_ — — 674 — — \\.
STORM DRAIN			
STORM DRAIN MANHOLE			
CURB INLET	C/		
RECESSED CURB INLET	Cl		
GRATE INLET	∭ <i>GI</i>		N/A
WATER LINE	8"W	8*W	- — - 8"W — — —
FIRE HYDRANT	-Ó- -	⊕	N/A
WATER VALVE			N/A
WATER METER BOX CONTROL VALVE	∅€	W N/A	N/A N/A
RRIGATION METER	N/A		N/A
BACKFLOW PREVENTOR	B	B	N/A
DETECTOR CHECK	DC	DC	N/A
SANITARY SEWER LINE	8"WW	8 <u>**WW</u>	- — -8"WW — —
SANITARY SEWER MANHOLE			
CLEANOUT	<u>0 CO</u>		
DOUBLE CLEANOUT	<u>oo^{DCO}</u>		oo
LIGHT POLE	\$	*	N/A
POWER POLE	Ø ^{PP}	&	N/A
DOWN GUY SIGN		•	N/A N/A
	Ġ.		N/A
ACCESSIBLE PARKING		G.	N/A
VAN ACCESSIBLE PARKING	VAN	S VAN	N/A
RETAINING WALL			N/A
WOOD FENCE			N/A
SCREEN WALL FENCE			N/A
CHAIN LINK FENCE		─ ◆──	N/A
WIRE FENCE		××	N/A
TREE		N/A	N/A
OVERHEAD WIRES	——— OHW ———	N/A	N/A
OVERHEAD ELECTRIC LINE	OHE	OHE	N/A
OVERHEAD TELEPHONE LINE	——————————————————————————————————————	OHT	N/A
JNDERGROUND ELECTRIC LINE	UGE	——UGE——	N/A
UNDERGROUND TELEPHONE LINE	——————————————————————————————————————	———UGT———	N/A
UNDERGROUND CABLE LINE	——————————————————————————————————————	CATV——	N/A
ELECTRIC METER ELECTRIC TRANSFORMER	EMI	EM T	N/A
ELECTRIC TRANSFORMER ELECTRIC SWITCHGEAR	SG	SG	N/A N/A
GAS METER	<u> </u>	GM.	N/A
GAS LINE	———— G ————	G	N/A
AIR CONDITIONING UNIT	\boxtimes	⊠	N/A
FLAG POLE	©	●	N/A
BOLLARD	0	•	N/A
BENCHMARK	�	N/A	N/A
BORE HOLE	\oplus	\Phi	N/A

LEGEND

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

GAS

GI GRATE INLET

CENTER LINE

TOP OF PAVEMENT

PROPOSED

STA STATION

SYSTEMS WITHOUT WRITTEN PERMISSION FROM THE GOVERNING AUTHORITY. ORIGINAL SHEET - ANSI D

RESULT OF THE ABOVE.

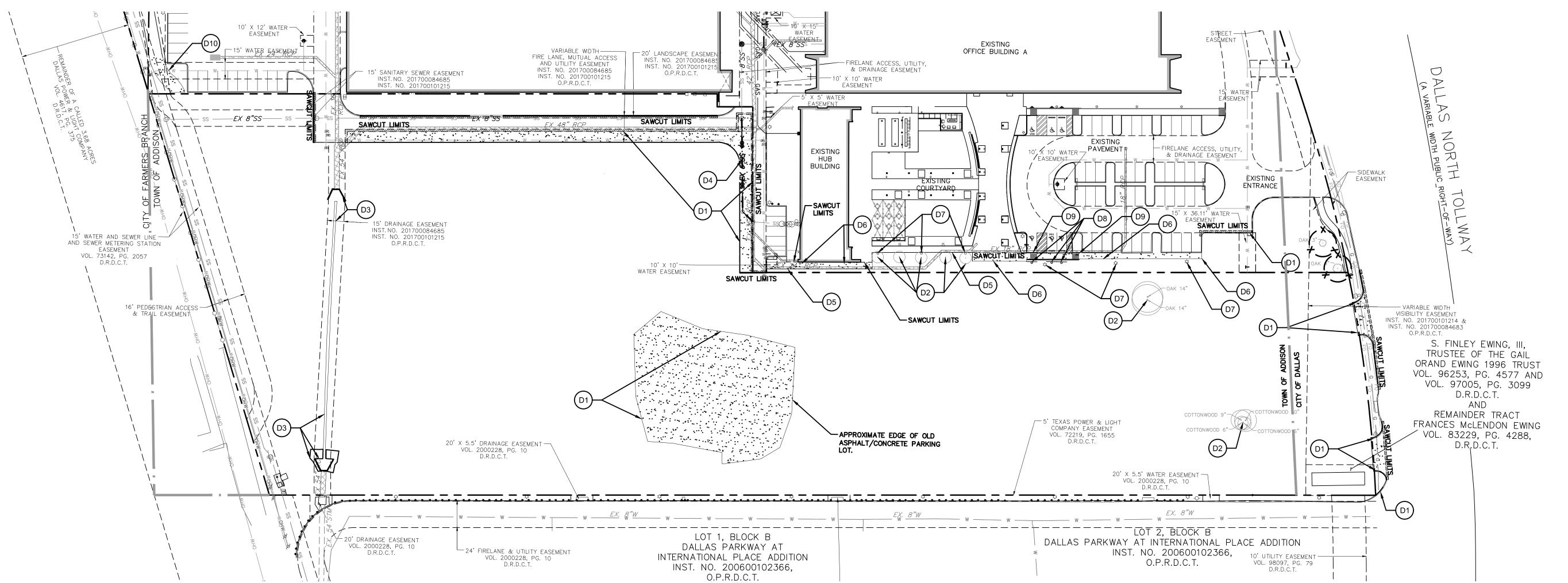
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Project Number: 222011532

File Name: 11532_c2_001_nt.dwg JM 19.02.12 YY.MM.DD Chkd. Dsan. Drawing No. C1.1 Revision



SITE DEMOLITION NOTES:

D3) CONTRACTOR SHALL REMOVE AND DISPOSE OF EXISTING CONCRETE CHANNEL AND HEADWALL.

(D1) CONTRACTOR SHALL REMOVE AND DISPOSE OF EXISTING PAVEMENT, CURB AND GUTTER.

(D4) CONTRACTOR SHALL REMOVE AND DISPOSE OF EXISTING SANITARY LINE AND REPLACE

D7) CONTRACTOR SHALL REMOVE AND STORE EXISTING LIGHT. FIXTURE SHALL BE INSTALLED WITH COMPLETION OF THE SITE DEVELOPMENT.

(D6) CONTRACTOR SHALL REMOVE AND REPLACE SIDEWALK AS NECESSARY DURING CONSTRUCTION OF PROPOSED BUILDING.

(D8) CONTRACTOR SHALL REMOVE AND STORE EXISTING SIGN. SIGNAGE SHALL BE REINSTALLED WITH COMPLETION OF THE SITE DEVELOPMENT.

 $ig(\mathsf{D9} ig)$ contractor shall remove and dispose of existing barrier free ramp.

(D10) CONTRACTOR SHALL REMOVE AND DISPOSE OF EXISTING HIKE & BIKE TRAIL.

D2) CONTRACTOR SHALL REMOVE AND DISPOSE OF EXISTING TREE.

AS SHOWN ON C5.1 AND C5.2 UTILITY PLAN.

D5) CONTRACTOR SHALL PROTECT EXISTING STORM LINE.

GENERAL DEMOLITION NOTES:

- 1. GENERAL CONSTRUCTION NOTES: REFER TO SHEET C1.1 "GENERAL CONSTRUCTION NOTES, LEGEND AND ABBREVIATIONS" FOR THE GENERAL CONSTRUCTION NOTES FOR THE
- MINIMUM INTERFERENCE TO PUBLIC OR PRIVATE ACCESSES. 3. PROTECTION OF EXISTING FACILITIES: CONTRACTOR SHALL PROVIDE, ERECT, AND MAINTAIN TEMPORARY BARRIERS, FENCING, BRACING AND SHORING, AND SECURITY DEVICES TO PROTECT EXISTING STRUCTURES, UTILITIES, APPURTENANCES, TREES AND LANDSCAPING, AND TO PREVENT MOVEMENT OR SETTLEMENT OF EXISTING STRUCTURES WHICH ARE NOT TO

2. INGRESS AND EGRESS: THE CONTRACTOR SHALL MAINTAIN INGRESS AND EGRESS TO THE SITE AND ADJACENT PROPERTIES AT ALL TIMES AND CONDUCT HIS OPERATIONS WITH

- BE DEMOLISHED AND/OR REMOVED.
- 4. HAZARDOUS AND/OR CONTAMINATED MATERIALS: THE CONTRACTOR SHALL NOTIFY THE APPROPRIATE GOVERNING AUTHORITIES IMMEDIATELY IF HAZARDOUS OR CONTAMINATED
- 5. STORAGE OF MATERIALS FOR RE-USE: CONTRACTOR SHALL REMOVE AND STORE ON SITE, ALL MATERIALS TO BE SALVAGED OR RE-INSTALLED LATER IN CONSTRUCTION.
- 6. FRANCHISE UTILITY COORDINATION: THE CONTRACTOR SHALL NOTIFY AND COORDINATE WITH ALL FRANCHISE UTILITY COMPANIES FOR THE REMOVAL AND/OR RELOCATION OF THE RESPECTIVE UTILITY LINES AND APPARATUSES USED BY EACH UTILITY. ALL WORK ASSOCIATED WITH FRANCHISE UTILITY REMOVAL, RELOCATION AND/OR MODIFICATIONS ARE TO BE PERFORMED ONLY BY THAT UTILITY PROVIDER UNLESS SPECIFICALLY NOTED OTHERWISE.
- 7. TREE REMOVAL: NO TREES SHALL BE CUT AND/OR REMOVED FROM THE PROJECT SITE UNTIL SPECIFICALLY AUTHORIZED IN WRITING BY THE GOVERNING AUTHORITY.
- 8. SAWCUTTING OF EXISTING PAVEMENT: SAWCUTTING, WHERE INDICATED ON THE DRAWINGS FOR REMOVAL OF EXISTING PAVEMENT, SHALL BE A FULL DEPTH CUT THAT IS NEAT
- 9. REMOVAL OF UTILITIES: THE CONTRACTOR SHALL DISCONNECT, REMOVE AND/OR CAP ALL UTILITIES WHERE INDICATED ON THE DRAWINGS, AND SHALL DOCUMENT THE LOCATION OF CAPPED UTILITIES AND SUBSURFACE OBSTRUCTIONS THAT ARE ENCOUNTERED.
- 10. BACKFILLING: THE CONTRACTOR SHALL BACKFILL ALL EXCAVATED AREAS CAUSED AS A RESULT OF DEMOLITION, AND PROVIDE POSITIVE DRAINAGE TO PREVENT PONDING OF WATER.
- 11. REMOVAL OF MATERIALS FROM SITE: ALL MATERIALS TO BE REMOVED FROM THE SITE INCLUDING BUT NOT LIMITED TO CONCRETE CURB AND PAVEMENT; ASPHALT PAVEMENT; BUILDING MATERIALS; EXCESS OR UNSUITABLE EARTHEN MATERIAL; UTILITY PIPING; TREES, BRUSH AND STUMPS; FENCING; ROCK; TRASH, 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. THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE LAWS GOVERNING SPILLAGE OF DEBRIS WHILE TRANSPORTING TO A DISPOSAL SITE.
- 12. REPLACEMENT OF DAMAGED FACILITIES: ALL STRUCTURES, 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.

Z/**Z**/**Z**/**Z** SAWCUT LIMITS

<u>LEGEND</u>

SAWCUT, REMOVE AND DISPOSE OF EXISTING CURB, GUTTER, SIDEWALK & PAVEMENT

— EXISTING UTILITY TO BE REMOVED

CONTRACTOR SHALL PROTECT EXISTING TREE.

BENCHMARKS:

REFERENCE BENCHMARK: TOWN OF ADDISON CONTROL POINT NO. COA-14 LOCATED 1,730' SOUTH EAST FROM THE INTERSECTION OF LANDMARK PLACE AND LANDMARK BOULEVARD THEN 40.6' WEST OF STREET SIGN, 8.15' NORTH OF CHAINLINK FENCE AND 70.5' EAST OF STREET SIGN. ELEVATION = 623.19

3-1/4" ALUMINUM DISK IN STAMPED "STANTEC" FOUND LOCATED APPROXIMATELY 1000' WEST FROM THE CENTERLINE OF THE SOUTHBOUND SERVICE ROAD OF THE DALLAS NORTH TOLLWAY, APPROXIMATELY 730' SOUTH FROM THE CENTERLINE OF LANDMARK BOULEVARD. POINT ALSO BEING THE SOUTHWEST CORNER OF SUBJECT TRACT. ELEVATION = 616.60

CONTRACTOR SHALL RELOCATE AND/OR ADJUST EXISTING IRRIGATION LINES AS NECESSARY.

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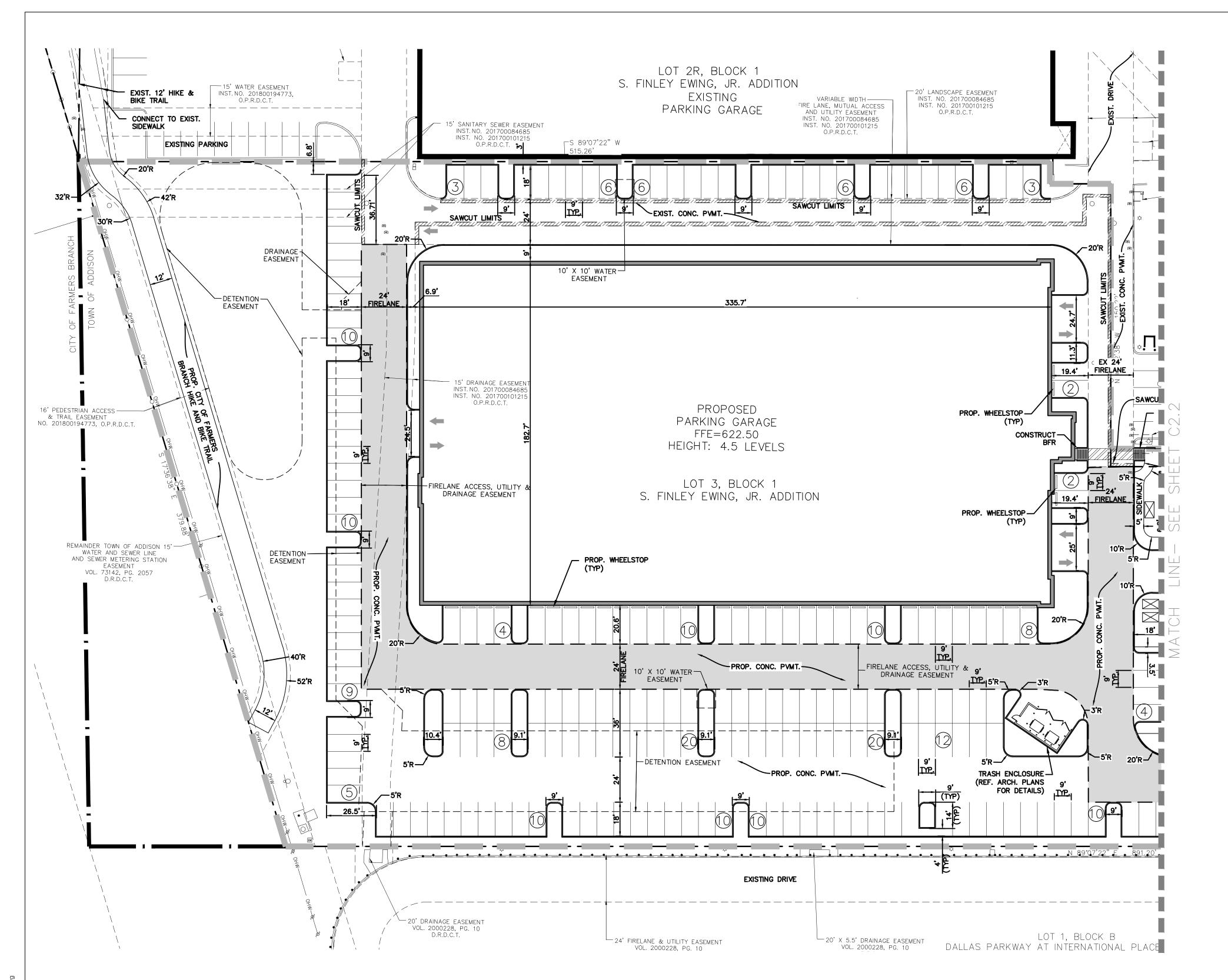
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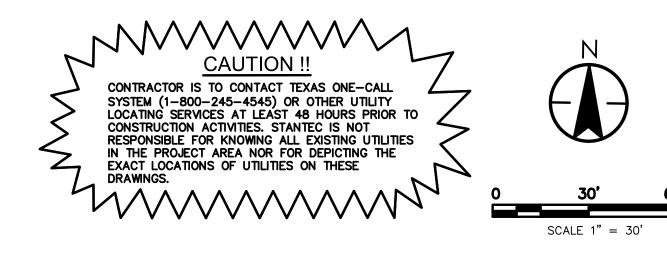
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P.E. No. 100118 Date 02/12/2019

JM JM 19.02.12 Chkd. Dsgn. YY.MM.DD





GENERAL NOTES - LAYOUT & DIMENSIONAL CONTROL

1. GENERAL CONSTRUCTION NOTES: REFER TO SHEET C1.1 "GENERAL CONSTRUCTION NOTES, LEGEND AND ABBREVIATIONS" FOR THE GENERAL CONSTRUCTION NOTES FOR THE PROJECT.

2. Surveying: All surveying required for construction staking shall be the responsibility of the contractor. The developer shall provide the property corners and two benchmarks for use as HORIZONTAL AND VERTICAL DATUM. THE CONTRACTOR SHALL EMPLOY A REGISTERED PROFESSIONAL LAND SURVEYOR TO PERFORM ALL ADDITIONAL SURVEY, LAYOUT AND MEASUREMENT WORK NECESSARY FOR THE

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

4. DIMENSIONAL CONTROL: ALL PAVING DIMENSIONS AND COORDINATES SHOWN ARE TO FACE OF CURB WHERE APPLICABLE. ALL DIMENSIONS SHOWN AT PI CURB POINTS ARE AT THE INTERSECTION OF THE FACE OF CURB.

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

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

7. TOPOGRAPHIC BOUNDARY SURVEY: SURVEY INCLUDES PROPERTY LINE, LEGAL DESCRIPTION, EXISTING UTILITIES, SITE TOPOGRAPHY WITH SPOT ELEVATIONS, OUTSTANDING PHYSICAL FEATURES AND EXISTING STRUCTURE LOCATIONS WAS PROVIDED BY:

STANTEC CONSULTING SERVICES INC. 12222 MERIT DRIVE, SUITE 400

DALLAS, TEXAS 75251 PH: (972) 991-0011

CONTACT: DAVID DE WEIRDT, R.P.L.S. TBPLS FIRM REGISTRATION NO. 10194229

8. HANDICAP PARKING: HANDICAPPED PARKING AREAS SHALL BE CONSTRUCTED PER TOWN STANDARDS AND SHALL COMPLY WITH REQUIREMENTS OF THE CURRENT, ADOPTED INTERNATIONAL BUILDING CODE.

9. FIRE LANE: FIRE LANES SHALL BE CONSTRUCTED AND MARKED PER TOWN STANDARDS. FIRE LANES SHALL BE PROPERLY MARKED WITH A SIX INCH RED STRIPE WITH FOUR INCH WHITE LETTERS STATING "FIRE LANE NO PARKING" EVERY TEN TO TWENTY-FIVE FEET ALONG THE ENTIRE LENGTH OF THE FIRE LANE. FIRE LANE MARKINGS SHALL BE ON THE VERTICAL SURFACE OF THE CURB WHEN A CURB IS PRESENT.

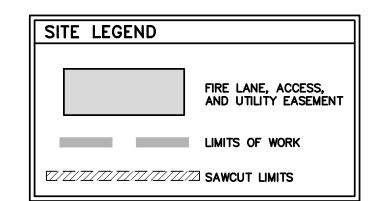
10. SIGNS: CONTRACTOR TO PROVIDE HANDICAPPED PARKING SIGNS AND POLES.

11. PARKING STALL DIMENSIONS: ALL PARKING STALLS SHALL BE 9'X18' UNLESS OTHERWISE NOTED.

12. PAVEMENT MARKINGS: CONTRACTOR SHALL USE SHERWIN WILLIAMS PRO-MAR TRAFFIC MARKING PAINT (WHITE). CONTRACTOR SHALL FOLLOW MANUFACTURER'S WRITTEN INSTRUCTIONS AND RECOMMENDATIONS FOR SURFACE PREPARATION AND APPLICATION.

SITE DATA SUMMARY

LOT 3, BLOCK 1
OFFICE
290,858 SQ. FT. = 6.677 AC PLANNED DEVELOPMENT
42,000 SQ. FT. 245,000 SQ. FT. 6 STORY
14.44% 0.842
245,000/300 = 817 SPACES REQUIRED 338 SURFACE+813 GARAGE = 1,151 SPACES PROVIDED
813 GARAGE/1,151 = 70.6% GARAGE 338 SURFACE/1,151 = 29.4% SURFACE
OVIDED IN ACCORDANCE WITH ADA STDS.



REFERENCE BENCHMARK: TOWN OF ADDISON CONTROL POINT NO. COA-14 LOCATED 1,730' SOUTH EAST FROM THE INTERSECTION OF LANDMARK PLACE AND LANDMARK BOULEVARD THEN 40.6' WEST OF STREET SIGN, 8.15' NORTH OF CHAINLINK FENCE AND 70.5' EAST OF STREET SIGN. ELEVATION = 623.19'

3-1/4" ALUMINUM DISK IN STAMPED "STANTEC" FOUND LOCATED APPROXIMATELY 1000' WEST FROM THE CENTERLINE OF THE SOUTHBOUND SERVICE ROAD OF THE DALLAS NORTH TOLLWAY, APPROXIMATELY 730' SOUTH FROM THE CENTERLINE OF LANDMARK BOULEVARD. POINT ALSO BEING THE SOUTHWEST CORNER OF SUBJECT TRACT. ELEVATION = 616.60'

PRELIMINARY FOR REVIEW ONLY **♦ Stantec** JOSHUA A. MILLSAP P.E. No. ____100118___ Date ___02/12/2019

SAWLEY - FOURTEEN555 4555 DALLAS PARKWAY

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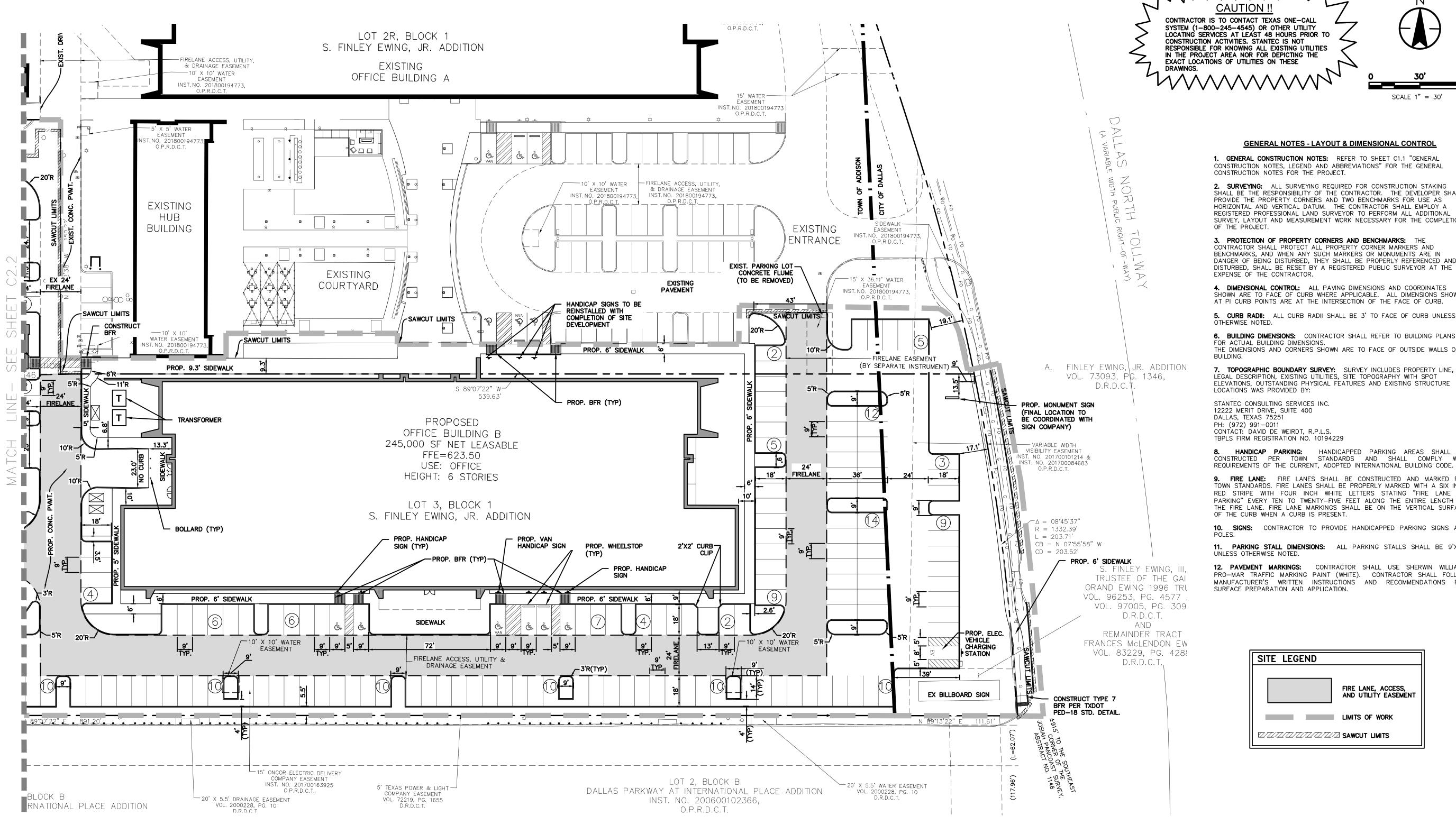
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Revision

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BENCHMARKS:

SITE BENCHMARK:



SCALE 1" = 30'

GENERAL NOTES - LAYOUT & DIMENSIONAL CONTROL

1. GENERAL CONSTRUCTION NOTES: REFER TO SHEET C1.1 "GENERAL CONSTRUCTION NOTES, LEGEND AND ABBREVIATIONS" FOR THE GENERAL CONSTRUCTION NOTES FOR THE PROJECT.

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

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

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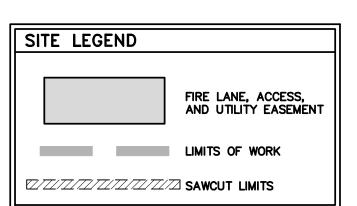
TBPLS FIRM REGISTRATION NO. 10194229 **8. HANDICAP PARKING:** HANDICAPPED PARKING AREAS SHALL BE CONSTRUCTED PER TOWN STANDARDS AND SHALL COMPLY WITH

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AWLEY

Revision

Permit-Seal PRELIMINARY FOR REVIEW ONLY **≥**Stantec JOSHUA A. MILLSAP P.E. No. ____100118___ Date ___02/12/2019

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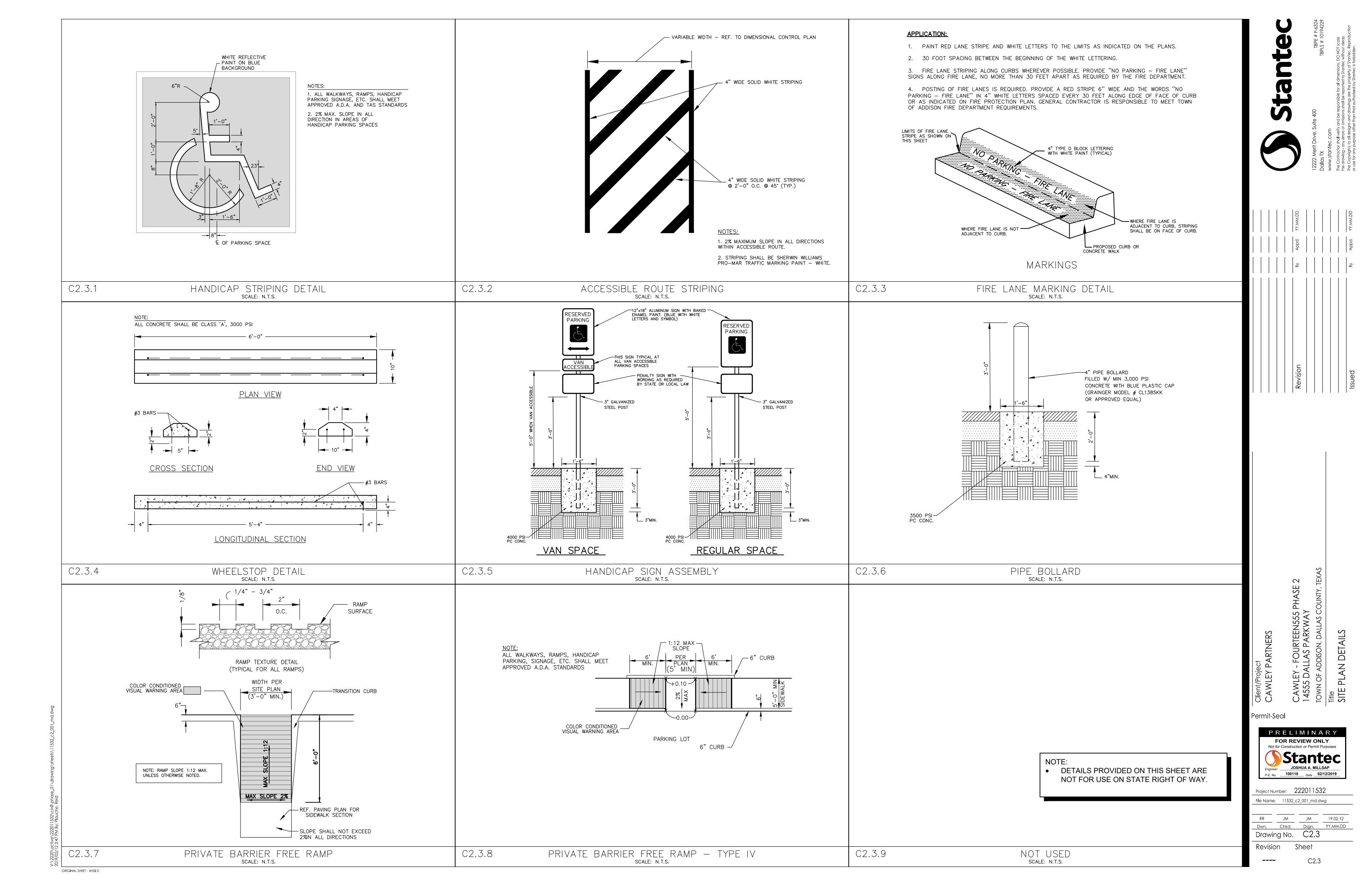
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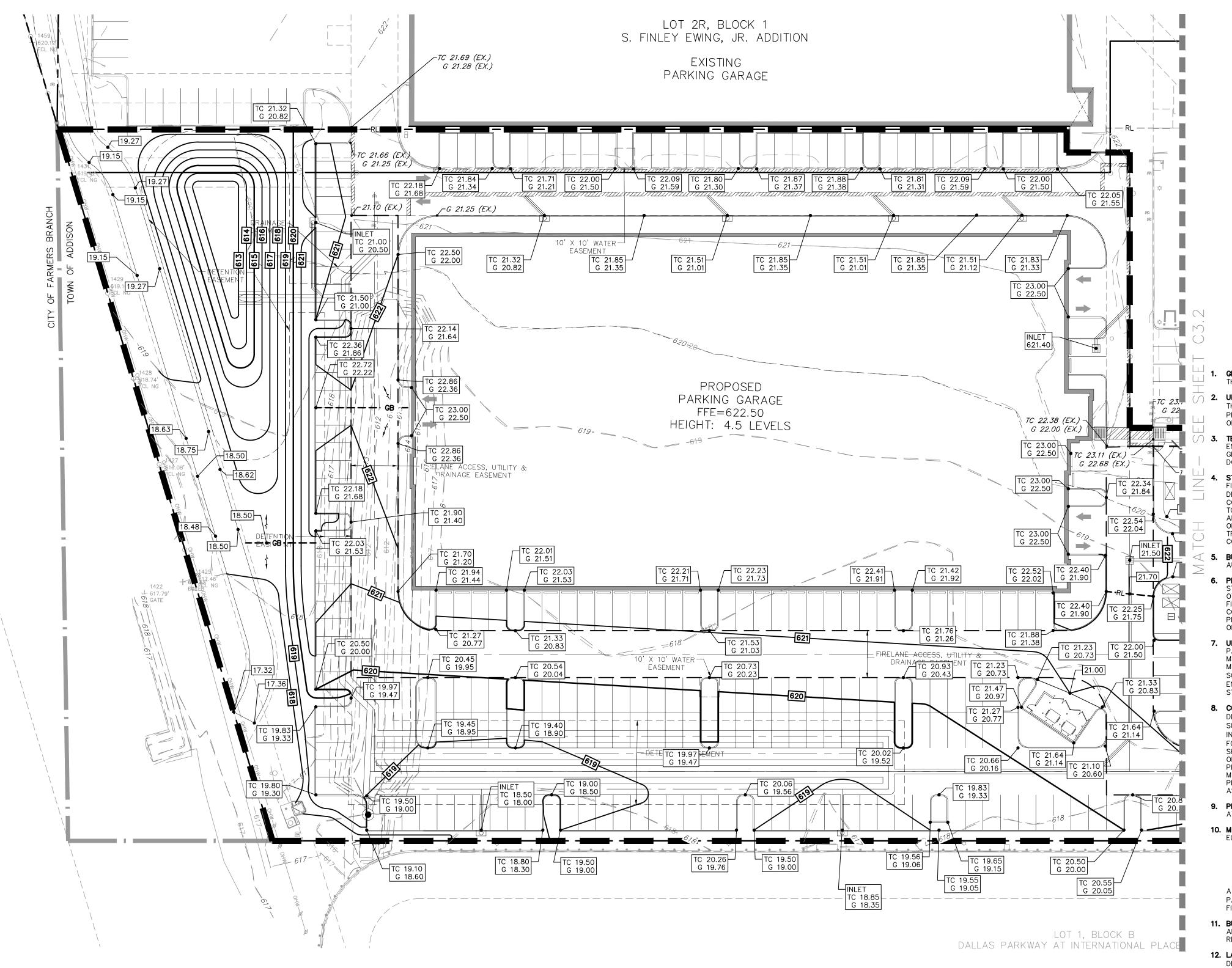
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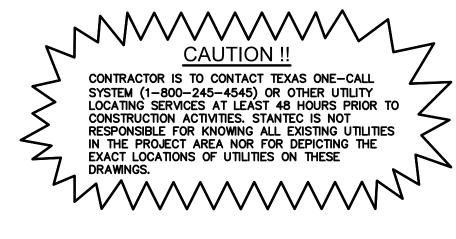
BENCHMARKS:

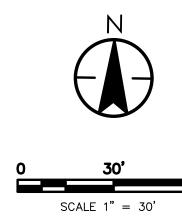
REFERENCE BENCHMARK: TOWN OF ADDISON CONTROL POINT NO. COA-14 LOCATED 1,730' SOUTH EAST FROM THE INTERSECTION OF LANDMARK PLACE AND LANDMARK BOULEVARD THEN 40.6' WEST OF STREET SIGN, 8.15' NORTH OF CHAINLINK FENCE AND 70.5' EAST OF STREET SIGN. ELEVATION = 623.19'

SITE BENCHMARK: 3-1/4" ALUMINUM DISK IN STAMPED "STANTEC" FOUND LOCATED APPROXIMATELY 1000' WEST FROM THE CENTERLINE OF THE SOUTHBOUND SERVICE ROAD OF THE DALLAS NORTH TOLLWAY, APPROXIMATELY 730' SOUTH FROM THE CENTERLINE OF LANDMARK BOULEVARD. POINT ALSO BEING THE SOUTHWEST CORNER OF SUBJECT TRACT. ELEVATION = 616.60'









LEGEND

- TOP OF CURB ELEVATION G 599.62 - GUTTER ELEVATION

599.60 - FINISHED GRADE ELEVATION

G 599.68 (EX.) - EXISTING GUTTER ELEVATION 599.67 (EX.) — EXISTING GRADE ELEVATION

GENERAL NOTES - GRADING

GENERAL CONSTRUCTION NOTES: REFER TO SHEET C1.1 "GENERAL CONSTRUCTION NOTES, LEGEND AND ABBREVIATIONS" FOR

TESTING: 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 PREPARED BY ALLIANCE GEOTECHNICAL GROUP, PROJECT NO. E16-1106, DATED DECEMBER 12, 2016 WHICH IS MADE A PART OF THESE CONSTRUCTION

STRIPPING AND DEBRIS REMOVAL: THE BUILDING PAD SITES, 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 SIX (6) 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 DEVELOPER. 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

BURNING: BURNING SHALL NOT BE PERMITTED ON THE PROJECT SITE UNLESS APPROVED IN WRITING BY THE GOVERNING AUTHORITIES AND THE DEVELOPER.

PROOF ROLLING: 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.

UNSTABLE MATERIAL: WHEN CLAY OR OTHER UNSTABLE MATERIAL IS PRESENT IN AREAS OF PROPOSED BUILDING PADS OR 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 EIGHT (8) INCHES, ITS MOISTURE CONTENT ADJUSTED AS RECOMMENDED BY THE GEOTECHNICAL ENGINEER, AND THEN RE-COMPACTED TO ONE HUNDRED (100) PERCENT OF THE OPTIMUM DENSITY DETERMINED BY THE

CONTROLLED FILL: ALL SOILS USED FOR CONTROLLED FILL SHOULD BE FREE OF ROOTS, VEGETATION, AND OTHER DELETERIOUS OR UNDESIRABLE MATTER. ROCKS LESS THAN 4 INCHES IN LARGEST DIMENSION WITHIN 15" OF PROPOSED SUBGRADE ELEVATION, LESS THAN 6 INCHES IN SIZE FROM 15" TO 36" OF PROPOSED SUBGRADE ELEVATION, LESS THAN 12 INCHES IN SIZE FROM 36" TO 72" OF PROPOSED SUBGRADE ELEVATION, AND LESS THAN 18 INCHES IN LARGEST DIMENSION FOR FILLS IN EXCESS OF 72" FROM SUBGRADE ELEVATION, WILL BE ALLOWED AS ACCEPTABLE FILL MATERIAL. ROCK FILLS SHOULD BE SUPPLEMENTED WITH A SUFFICIENT AMOUNT OF FINE MATERIAL TO PREVENT VOIDS. 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 95 AND 100 PERCENT OF STANDARD PROCTOR DENSITY AS DETERMINED BY ASTM D 698.

9. PROPOSED GRADES: THE PROPOSED CONTOURS INDICATED ON THE GRADING PLAN ARE FINISHED GRADES AND ARE SHOWN

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

- 7" BELOW FINISHED GRADE FOR ALL MEDIUM PAVEMENT AREAS.
- A TOLERANCE OF +/- 0.10 FEET OF THE FINISHED GRADE WILL BE ALLOWED FOR ALL AREAS UNDER PROPOSED BUILDING

PADS AND UNDER PROPOSED PAVEMENT. ALL LANDSCAPE AREAS ARE TO BE GRADED WITHIN ± 100 0.30 FEET OF THE

11. BUILDING ENTRANCE GRADES: REFER TO THE BUILDING PLANS FOR DETAILED SPOT GRADING AT THE BUILDING ENTRANCE AREAS. THE CONTRACTOR SHALL COMPLY WITH ALL ADA AND TEXAS ACCESSIBILITY STANDARDS FOR REQUIREMENTS REGARDING MAXIMUM SLOPES FOR HANDICAP PARKING AREAS, SIDEWALKS, ACCESS RAMPS AND ACCESSIBLE ROUTES.

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.

13. EARTHWORK QUANTITIES: THE CONTRACTOR SHALL BE RESPONSIBLE FOR CALCULATING THE EARTHWORK QUANTITIES BASED ON THE EXISTING AND PROPOSED CONTOURS SHOWN ON THESE PLANS. ALL EARTHWORK SHALL BE CONSIDERED UNCLASSIFIED EXCAVATION AND BID ON A LUMP SUM BASIS, UNLESS NOTED OTHERWISE.

BENCHMARKS:

REFERENCE BENCHMARK:

TOWN OF ADDISON CONTROL POINT NO. COA-14 LOCATED 1.730' SOUTH EAST FROM THE INTERSECTION OF LANDMARK PLACE AND LANDMARK BOULEVARD THEN 40.6' WEST OF STREET SIGN, 8.15' NORTH OF CHAINLINK FENCE AND 70.5' EAST OF STREET SIGN.

SITE BENCHMARK:

APPROXIMATELY 1000' WEST FROM THE CENTERLINE OF THE SOUTHBOUND SERVICE ROAD OF THE DALLAS NORTH TOLLWAY, APPROXIMATELY 730' SOUTH FROM THE CENTERLINE OF LANDMARK BOULEVARD. POINT ALSO BEING THE SOUTHWEST CORNER OF SUBJECT TRACT. ELEVATION = 616.60

TC 599.15 (EX.) - EXISTING TOP OF CURB ELEVATION

PROPOSED CONTOUR

_ - -695- - - EXISTING CONTOUR

THE GENERAL CONSTRUCTION NOTES FOR THE PROJECT.

UNDISTURBED AREAS: PRIOR TO GRADING, BRUSH REMOVAL, OR SITE CONSTRUCTION, THE CONTRACTOR SHALL MEET WITH THE DEVELOPER AND/OR ENGINEER AT THE SITE TO ASCERTAIN THE AREAS OF THE PROJECT SITE THAT ARE TO BE PROTECTED AND PRESERVED. REFER TO THE "GENERAL TREE PROTECTION NOTES" FOR ALL CONSTRUCTION IN THE VICINITY

STANDARD PROCTOR TEST, ASTM D - 698 PRIOR TO PLACEMENT OF FILL MATERIALS.

AT ONE-FOOT INTERVALS. SPOT ELEVATIONS SHOWN IN PAVED AREAS ARE TOP OF PAVEMENT, UNLESS NOTED OTHERWISE.

ELEVATIONS:

7" BELOW FINISHED GRADE FOR ALL DUMPSTER PAVEMENT AREAS.

5" BELOW FINISHED GRADE FOR LIGHT DUTY PAVEMENT AREAS.

4" BELOW FINISHED GRADE FOR ALL SIDEWALK PAVEMENT AREAS. 6" BELOW FINISHED GRADE FOR ALL LANDSCAPE AREAS.

12. LANDSCAPE AREAS: ALL LANDSCAPE AREAS AND OTHER DISTURBED AREAS WITHIN THE LIMITS OF THE PROPERTY NOT

ELEVATION = 623.19

3-1/4" ALUMINUM DISK IN STAMPED "STANTEC" FOUND LOCATED

CAWLF 14555 Permit-Seal PRELIMINARY FOR REVIEW ONLY Stantec JOSHUA A. MILLSAP P.E. No. ____100118 ___ Date __02/12/2019 Project Number: 222011532 File Name: 11532_c2_001_gp.dwg

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Revision

Drawing No. C3.1

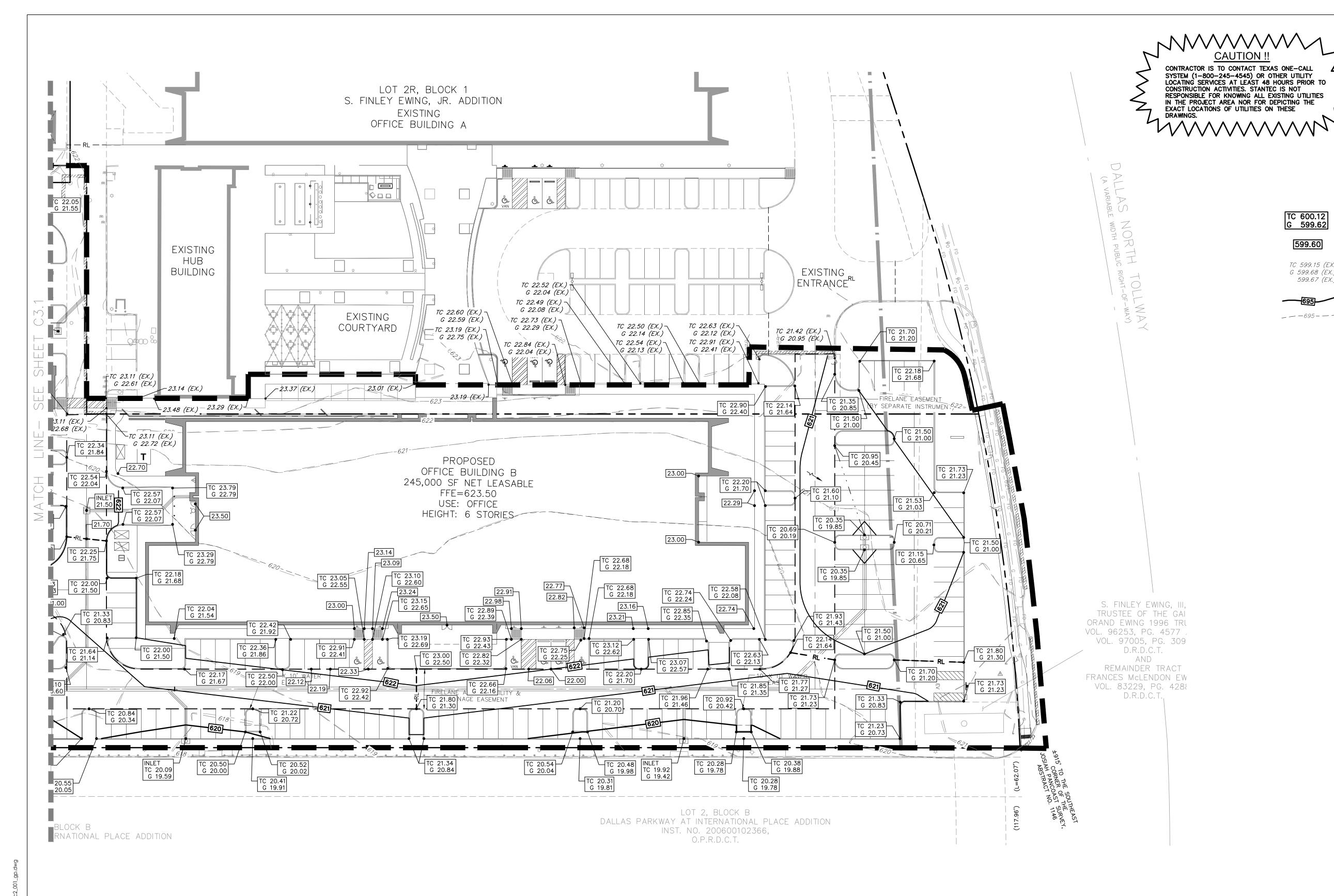
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PARTNERS



SCALE 1" = 30'



TC 600.12 G 599.62 TOP OF CURB ELEVATIONGUTTER ELEVATION

- FINISHED GRADE ELEVATION

TC 599.15 (EX.) — EXISTING TOP OF CURB ELEVATION
C 599.68 (EX.) — EXISTING GUTTER ELEVATION
599.67 (EX.) — EXISTING GRADE ELEVATION

- PROPOSED CONTOUR _ - -695- - - EXISTING CONTOUR

BENCHMARKS: REFERENCE BENCHMARK:

TOWN OF ADDISON CONTROL POINT NO. COA-14 LOCATED 1,730' SOUTH EAST FROM THE INTERSECTION OF LANDMARK PLACE AND LANDMARK BOULEVARD THEN 40.6' WEST OF STREET SIGN, 8.15' NORTH OF CHAINLINK FENCE AND 70.5' EAST OF STREET SIGN. ELEVATION = 623.19

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PRELIMINARY FOR REVIEW ONLY Stantec Engineer _____JOSHUA A. MILLSAP P.E. No. 100118 Date 02/12/2019

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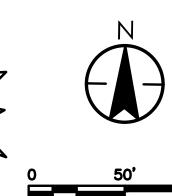
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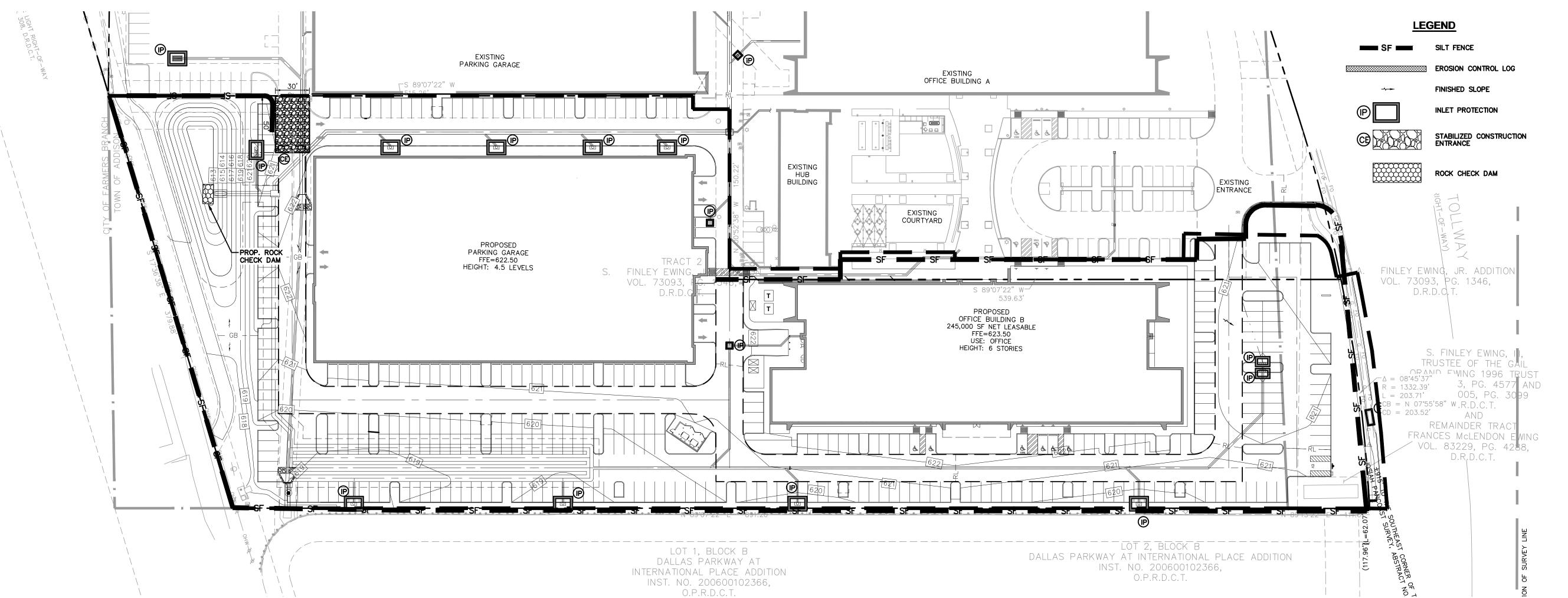
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Project Number: 222011532 File Name: 11532_c2_001_gp.dwg

RR JM JM 19.02.12
Dwn. Chkd. Dsgn. YY.MM.DD Drawing No. C3.2

C3.2





GENERAL NOTES - EROSION CONTROL

- 1. GENERAL CONSTRUCTION NOTES: REFER TO SHEET C1.1 "GENERAL CONSTRUCTION NOTES, LEGEND AND ABBREVIATIONS" FOR THE GENERAL CONSTRUCTION NOTES FOR THE PROJECT.
- 2. SWP3 COMPLIANCE: THE CONTRACTOR SHALL BE REQUIRED TO COMPLY WITH THE CONDITIONS OF THE STORM WATER POLLUTION PREVENTION PLAN (SWP3) WHILE CONDUCTING HIS ACTIVITIES ON THIS PROJECT. IN ADDITION TO CONSTRUCTING THOSE ITEMS INDICATED ON THE PLAN SHEETS, COMPLIANCE WITH THE SWP3 INCLUDES CONFORMANCE TO CERTAIN PRACTICES AND PROCEDURES (IDENTIFIED IN THE (SWP3) DURING PROJECT CONSTRUCTION. THE SWP3 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 SWP3 BEYOND WHAT IS HEREIN
- 3. BMP INSTALLATION: PRIOR TO COMMENCING GRADING OPERATIONS, THE CONTRACTOR SHALL INSTALL ALL SWP3 MEASURES AND DEVICES AS INDICATED ON THE EROSION & SEDIMENT CONTROL PLAN. ALL SWP3 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 SWP3 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 SWP3.
- 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.

INLET PROTECTION ALONG DALLAS PARKWAY SHALL BE REMOVED PRIOR TO INCLEMENT WEATHER.

BENCHMARKS:

REFERENCE BENCHMARK:

TOWN OF ADDISON CONTROL POINT NO. COA-14 LOCATED 1,730' SOUTH EAST FROM THE INTERSECTION OF LANDMARK PLACE AND LANDMARK BOULEVARD THEN 40.6' WEST OF STREET SIGN, 8.15' NORTH OF CHAINLINK FENCE AND 70.5' EAST OF STREET SIGN. ELEVATION = 623.19'

SITE BENCHMARK:

3-1/4" ALUMINUM DISK IN STAMPED "STANTEC" FOUND LOCATED APPROXIMATELY 1000' WEST FROM THE CENTERLINE OF THE SOUTHBOUND SERVICE ROAD OF THE DALLAS NORTH TOLLWAY, APPROXIMATELY 730' SOUTH FROM THE CENTERLINE OF LANDMARK BOULEVARD. POINT ALSO BEING THE SOUTHWEST CORNER OF SUBJECT TRACT. ELEVATION = 616.60'

Permit-Seal



.EY - FOUI DALLAS I

Project Number: 222011532

File Name: 11532_c2_001_ec.dwg JM JM 19.02.12 Dwn. Chkd. Dsgn. YY.MM.DD Drawing No. C3.3

Revision

- 1. ALL OPERATORS AND/OR CONTRACTORS SHALL CONFORM TO THE TERMS AND CONDITIONS OF THE TEXAS COMMISSIÓN ON ENVIRONMENTAL QUALITY (TCEQ), TPDES GENERAL PERMIT NO. TXR 150000 ISSUED AND DATED MARCH 5, 2003.
- 2. THE NOTICE OF INTENT (NOI), AS REQUIRED BY THE GENERAL PERMIT, MUST BE PROPERLY DISPLAYED ON SITE AT ALL TIMES BY EACH OPERATOR.
- 3. ALL RELEASES OF THE REPORTABLE QUANTITIES OF HAZARDOUS SUBSTANCES SHALL BE REPORTED IMMEDIATELY TO THE FACILITY OPERATOR, EPA AND TCEQ.
- 4. QUALIFIED OPERATOR PERSONNEL MUST INSPECT THE SITE AT LEAST ONCE EVERY 14 DAYS AND WITHIN 24 HOURS OF A STORM EVENT OF 0.5 INCHES OR GREATER. AS AN ALTERNATIVE, AN INSPECTION CAN BE CONDUCTED ONCE EVERY SEVEN (7) CALENDAR DAYS ON A DEFINED DAY. A DECISION ON WHICH METHOD TO USE MUST BE DECIDED BEFORE WORK BEGINS AND MUST BE FOLLOWED THROUGHOUT
- 5. MODIFICATIONS TO THE STORM WATER POLLUTION PREVENTION PLAN SHALL BE IMPLEMENTED AND BE IN-PLACE WITHIN A SEVEN CALENDAR DAY PERIOD.
- 6. IF ANY CONTRACTOR SEES A VIOLATION BY AN OPERATOR OR ANOTHER CONTRACTOR, THAT OPERATOR OR CONTRACTOR IN VIOLATION SHALL BE NOTIFIED AS WELL AS THE FACILITY OPERATOR.
- 7. EROSION CONTROL SHALL BE INSTALLED PRIOR TO GRADING.

DIRECTION OF THE OPERATOR OR TOWN.

- 8. ACCUMULATED SILT DEPOSITS SHALL BE REMOVED FROM SILT FENCES AND HAY BALE DIKES
- WHEN SILT DEPTH REACHES THREE INCHES OR 25%. 9. THE CONTRACTOR SHALL ADD OR DELETE EROSION PROTECTION AT THE REQUEST AND
- 10. AFTER INSTALLATION OF PAVEMENT, FINAL LOT BENCHING AND GENERAL CLEANUP, THE CONTRACTOR SHALL ESTABLISH GRASS GROUNDCOVER IN ALL STREET PARKWAYS, LOT AND ALL OTHER DISTURBED AREAS. SODDING SHALL BE DONE AS SPECIFIED BY SECTION 202.5 AND SEEDING AS SPECIFIED BY SECTION 202.6 OF THE OCTOBER 2004 OR LATEST EDITION OF NCTCOG STANDARD
- 11. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO CONTROL AND LIMIT SILT AND SEDIMENT LEAVING THE SITE. SPECIFICALLY, THE CONTRACTOR SHALL PROTECT ALL PUBLIC STREETS, ALLEYS, STREAMS AND STORM DRAINAGE SYSTEMS FROM EROSION DEPOSITS.
- 12. A DRAINAGE AREA MAP WILL BE INCLUDED WITH THE EROSION CONTROL PLAN.
- 13. CONSTRUCTION WASTE DISPOSAL CONTAINERS SHALL BE PROVIDED ON THE SITE FOR DISPOSAL OF ALL NON-HAZARDOUS CONSTRUCTION WASTE MATERIALS. THE CONTAINERS SHALL BE HAULED TO
- 14. ALL HAZARDOUS MATERIALS SHALL BE HANDLED AND DISPOSED OF BY THE CONTRACTOR IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS.

- . POSTS WHICH SUPPORT THE SILT FENCE SHALL BE INSTALLED ON A SLIGHT ANGLE TOWARD THE ANTICIPATED RUNOFF SOURCE. THE POST MUST BE EMBEDDED A MINIMUM OF 18 INCHES.
- 3. THE TRENCH MUST BE A MINIMUM OF 6 INCHES DEEP AND 6 INCHES WIDE TO ALLOW FOR THE SILT FENCE FABRIC TO BE LAID IN THE GROUND AND BACKFILLED WITH COMPACTED MATERIAL.
- SILT FENCE SHALL BE SECURELY FASTENED TO EACH SUPPORT POST OR TO WOVEN WIRE, WHICH IS IN TURN ATTACHED TO THE SUPPORT POST. THERE SHALL BE A 6 INCH DOUBLE OVERLAP, SECURELY FASTENED WHERE ENDS OF FABRIC MEET.
- 5. INSPECTION SHALL BE MADE EVERY TWO WEEKS OR AFTER EACH RAINFALL. REPAIR OR REPLACEMENT SHALL BE PROMPTLY AS NEEDED.
- 6. SILT FENCE SHALL BE REMOVED WHEN THE SITE IS COMPLETELY STABILIZED SO AS NOT TO BLOCK OR IMPEDE STORM FLOW OR DRAINAGE.
- ACCUMULATED SILT SHALL BE REMOVED WHEN IT REACHES A DEPTH OF 3 INCHES. THE SILT SHALL BE DISPOSED OF AT AN APPROVED SITE AND IN SUCH A MANNER AS TO NOT CONTRIBUTE TO ADDITIONAL SILTATION.

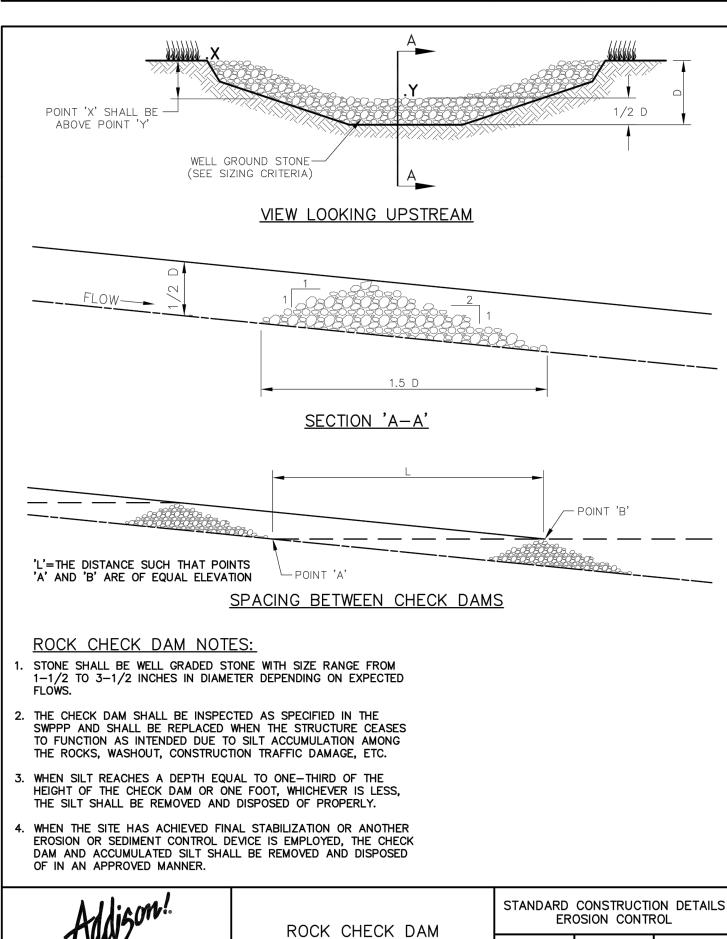


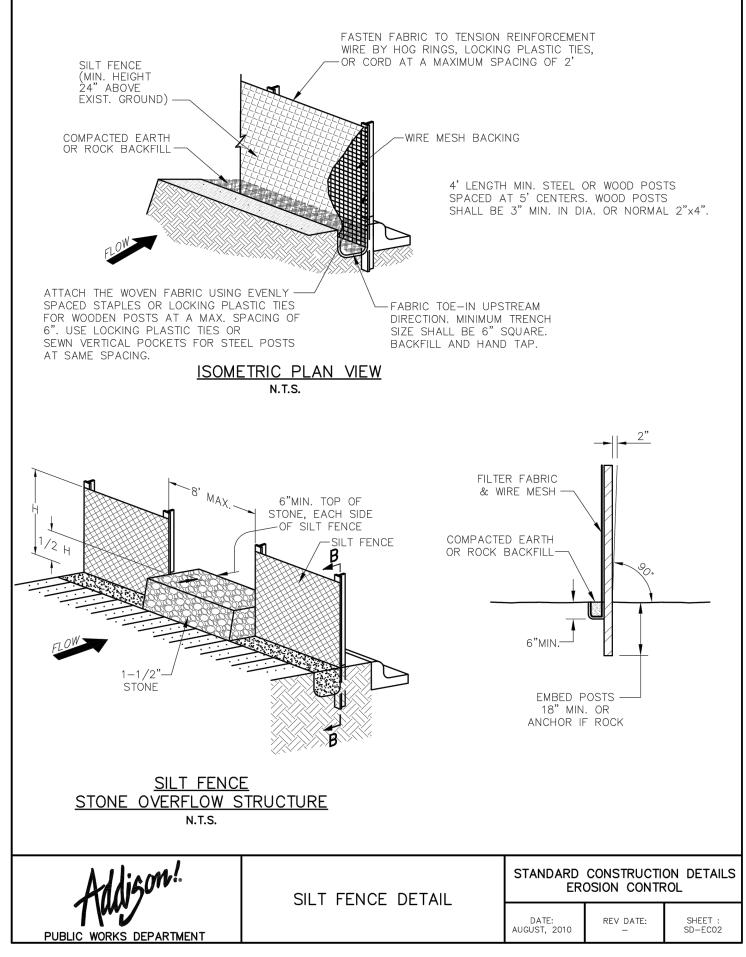
PUBLIC WORKS DEPARTMENT

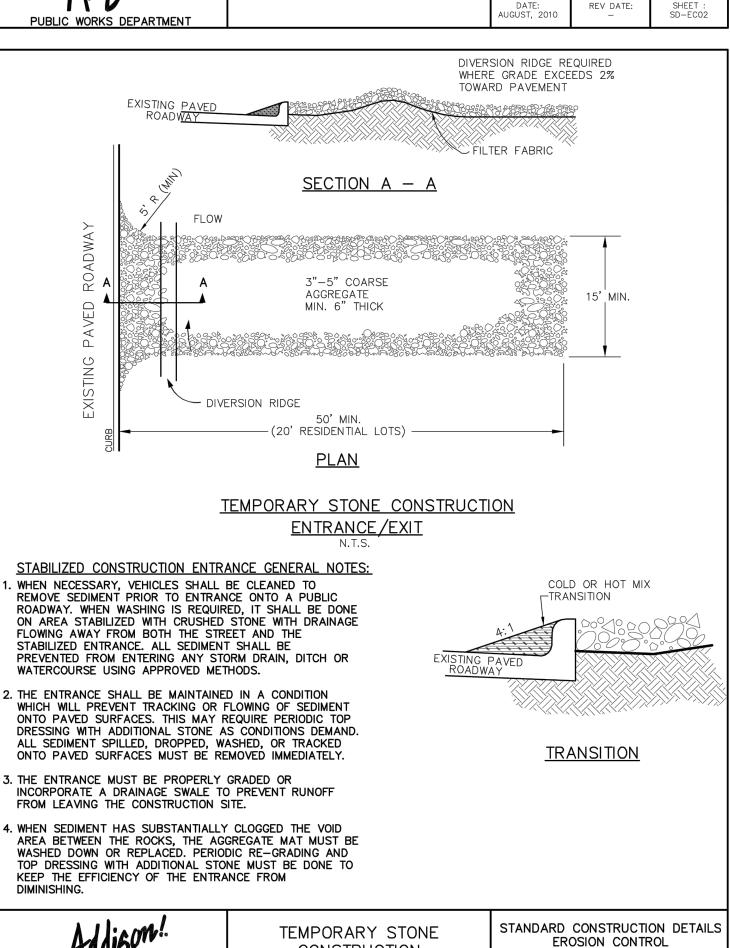
EROSION CONTROL & SILT FENCE NOTES

STANDARD CONSTRUCTION DETAILS **EROSION CONTROL** REV DATE:

REV DATE:



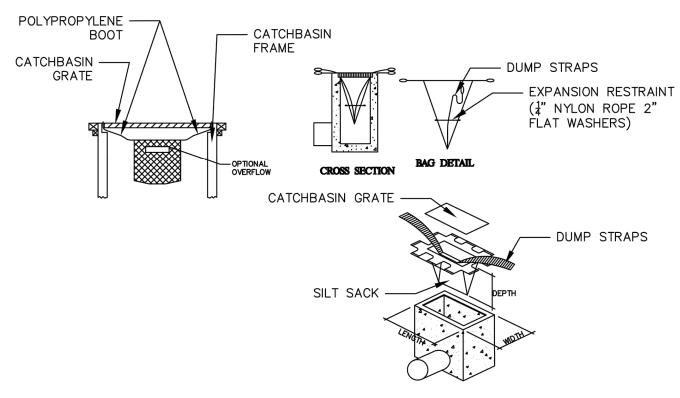




CONSTRUCTION

ENTRANCE/EXIT

PUBLIC WORKS DEPARTMENT

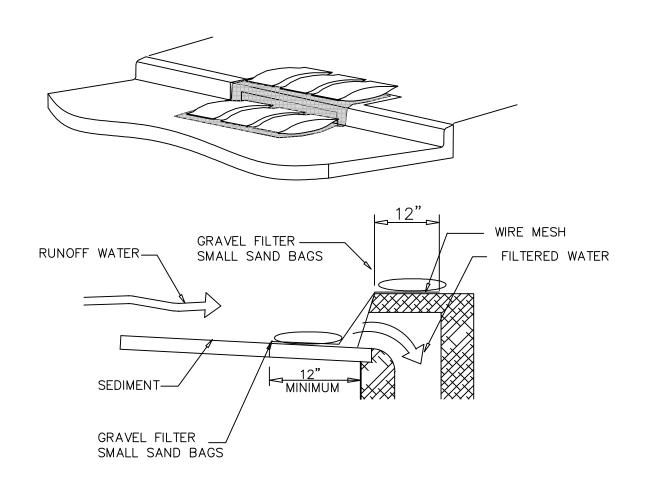


THIS METHOD OF INLET PROTECTION IS APPLICABLE WHERE THE INLET DRAINS SHEET, OVERLAND AND CONCENTRATED FLOWS (NOT GREATER THAN 1 CFS). THE METHOD CAN DRAIN FLAT AREA TO STEEP SLOPES. INLET CAPACITY WILL DECREASE WITH THIS METHOD AND CONTRACTOR SHALL EXPECT FLOODING TO OCCUR DURING HIGH FLOW EVENTS.

INSPECTION SCHEDULE SHALL COMPLY WITH THE 2008 EPA CONSTRUCTION GENERAL PERMIT MAINTENANCE SHALL OCCUR WHEN NECESSARY. SILT SACKS SHALL BE CLEANED ONCE THE BAG IS FILLED HALF WAY WITH DEBRIS. CONTRACTOR SHALL REMOVE SILT SACK AND PLACE NEW UNIT. DO NOT EMPTY SILT SACK CONTENTS INTO THE CATCHBASIN.

> CATCH BASIN W/ SILT SACK INLET PROTECTION

GRATE INLET PROTECTION DETAIL



NOTES:

- 1. WITHIN FORTY EIGHT (48) HOURS OF POURING THE BLOCKOUT AND TOP, PLACE WIRE MESH WITH 12" OPENINGS OVER ALL CURB AND GRATE INLET OPENINGS SO THAT AT LEAST 12" OF WIRE EXTENDS ACROSS THE INLET COVER-GUTTER AND AROUND ALL GRATES AS ILLUSTRATED.
- 2. PLACE SMALL SAND BAGS AGAINST THE WIRE SO AS TO ANCHOR SAME AGAINST THE GUTTER, GRATE AND INLET COVER.
- 3. IF THE SEDIMENT FILTER BECOMES CLOGGED WITH DEBRIS SO THAT IT NO LONGER ADEQUATELY PERFORMS ITS FUNCTION, REMOVE THE SAND BAGS, CLEAN IT AND REPLACE THE SAND BAGS.
- 4. MAKE WEEKLY INSPECTIONS OF THESE SEDIMENT FILTERS FOR CONFORMANCE TO THESE CONDITIONS. PARTICULARLY INSPECT ALL INLETS AFTER EACH RAIN. COMPLETELY REMOVE ALL SEDIMENT FILTERS UPON ESTABLISHMENT OF GRASS AND FINAL STABILIZATION OF CONSTRUCTION
- 5. DO NOT USE A SEDIMENT FILTER TO CONTROL EROSION AROUND "Y" INLETS. UTILIZE

SEDIMENT FENCES.

Project Number: 222011532 File Name: 11532_c2_001_ud.dwg

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JM JM 19.02.12 Dsgn. YY.MM.DD Chkd. Drawing No. C3.4 Revision

FOU

2AWL 4555

PRELIMINARY

FOR REVIEW ONLY

P.E. No. ___100118__ Date __02/12/2019

Stantec

JOSHUA A. MILLSAP

CURB INLET PROTECTION DETAIL

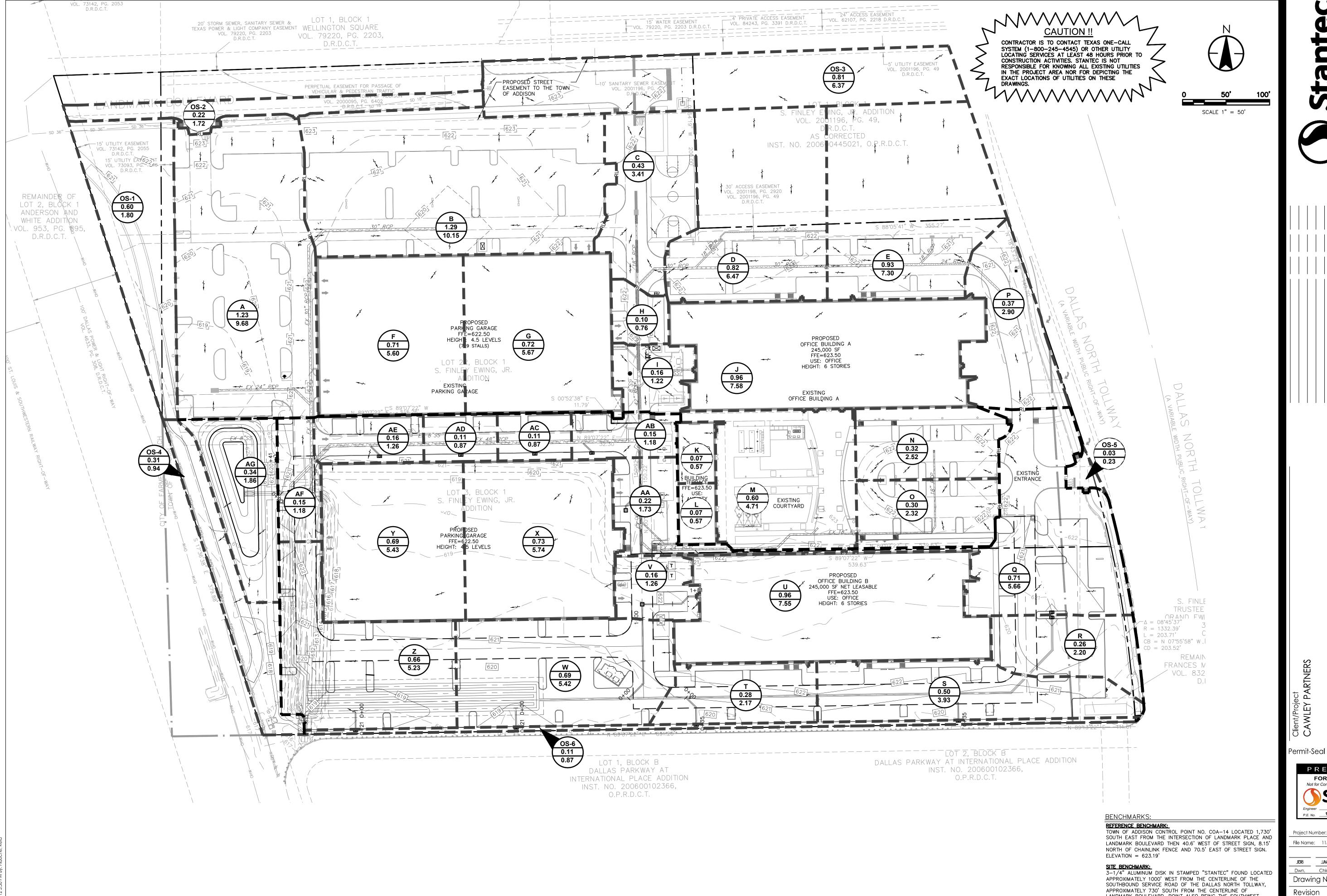
C3.3.2

REV DATE:

C3.4

ORIGINAL SHEET - ANSI D

PUBLIC WORKS DEPARTMENT



ORIGINAL SHEET - ANSI D





PHASE CAWLEY - FOURTEEN555 14555 DALLAS PARKWAY

PRELIMINARY FOR REVIEW ONLY **≥**Stantec Engineer JOSHUA A. MILLSAP

P.E. No. 100118 Date 02/12/2019 Project Number: 222011532

File Name: 11532_c2_001_da.dwg
 JRDB
 JANM
 JANM
 19.02.12

 Dwn.
 Chkd.
 Dsgn.
 YY.MM.DD
 Drawing No. C4.1

C4.1

LANDMARK BOULEVARD. POINT ALSO BEING THE SOUTHWEST

CORNER OF SUBJECT TRACT.

ELEVATION = 616.60'

			TIME OF	RAINFALL		
DRAINAGE		RUNOFF	CONCENTRATION	INTENSITY	RUNOFF	COMMENTS
AREA	AREA	COEFFICIENT	tc tc	I ₁₀₀	Q ₁₀₀	COMMENTS
DESIGNATION	(ACRES)	С	(MIN)	(IN/HR)	(CFS)	
Α	1.23	0.90	10	8.74	9.68	DRAINS TO EX 6 GRATE
В	1.29	0.90	10	8.74	10.15	DRAINS TO EX 6 GRATE
С	0.43	0.90	10	8.74	3.41	DRAINS TO EX 4 GRATE INLET
D	0.82	0.90	10	8.74	6.47	DRAINS TO EX 5' CURB INLET
E	0.93	0.90	10	8.74	7.30	DRAINS TO EX 5' CURB INLET
F	0.71	0.90	10	8.74	5.60	DRAINS TO ROOF DRAIN
G	0.72	0.90	10	8.74	5.67	DRAINS TO ROOF DRAIN
Н	0.10	0.90	10	8.74	0.76	DRAINS TO EX 2' X 2' GRATE INLET
	0.16	0.90	10	8.74	1.22	DRAINS TO EX 2' X 2' GRATE INLET
J	0.96	0.90	10	8.74	7.58	DRAINS TO ROOF DRAIN
K	0.07	0.90	10	8.74	0.57	DRAINS TO ROOF DRAIN
I I	0.07	0.90	10	8.74	0.57	DRAINS TO ROOF DRAIN
M	0.60	0.90	10	8.74	4.71	DRAINS TO EX LANDSCAPE DRAINS
N	0.32	0.90	10	8.74	2.52	DRAINS TO EX 2' x 2' GRATE INLET
0	0.30	0.90	10	8.74	2.32	DRAINS TO EX 2' x 2' GRATE INLET
P	0.37	0.90	10	8.74	2.90	DRAINS TO EX 2.5' x 2.5' GRATE INLET
Q	0.72	0.90	10	8.74	5.66	DRAINS TO PROP 5' CURB INLET
R	0.28	0.90	10	8.74	2.20	DRAINS TO PROP 5' CURB INLET
S	0.50	0.90	10	8.74	3.93	DRAINS TO PROP 5' COMBINATION INLE
Т	0.28	0.90	10	8.74	2.17	DRAINS TO PROP 5' COMBINATION INLE
U	0.96	0.90	10	8.74	7.55	DRAINS TO ROOF DRAIN
V	0.16	0.90	10	8.74	1.26	DRAINS TO PROP 2' X 2' GRATE INLET
W	0.69	0.90	10	8.74	5.42	DRAINS TO PROP 5' COMBINATION INLE
Х	0.73	0.90	10	8.74	5.74	DRAINS TO ROOF DRAIN
Υ	0.69	0.90	10	8.74	5.43	DRAINS TO ROOF DRAIN
Z	0.66	0.90	10	8.74	5.23	DRAINS TO PROP 5' COMBINATION INLE
AA	0.22	0.90	10	8.74	1.73	DRAINS TO PROP 2' X 2' GRATE INLET
AB	0.15	0.90	10	8.74	1.18	DRAINS TO PROP 5' CURB INLET
AC	0.11	0.90	10	8.74	0.87	DRAINS TO PROP 5' CURB INLET
AD	0.11	0.90	10	8.74	0.87	DRAINS TO PROP 5' CURB INLET
AE	0.16	0.90	10	8.74	1.26	DRAINS TO PROP 5' CURB INLET
AF	0.15	0.90	10	8.74	1.18	DRAINS TO PROP 5' CURB INLET
AG*	0.34	0.63	10	8.74	1.86	DETENTION POND
OS1	0.60	0.40	15	7.52	1.80	DRAINS TO INWOOD
OS2	0.22	0.90	10	8.74	1.72	DRAINS TO EX 5' CURB INLET ON LANDMA
OS3	0.81	0.90	10	8.74	6.37	DRAINS TO EX 4' x 4' WYE INLET
OS4	0.31	0.40	15	7.52	0.94	DRAINS TO RR RIGHT OF WAY
OS5	0.03	0.90	10	8.74	0.23	DRAINS TO DALLAS PARKWAY
OS6	0.11	0.90	10	8.74	0.87	DRAINS TO DALLAS PARKWAY

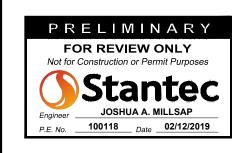
CS6 | 0.11 | 0.90 | 10 | 8.74 | 0.87 | DRAINS TO DALLAS *C IS A WEIGHTED VALUE. 0.21 ACRES AT C=0.4 (OPEN SPACE) AND 0.13 ACRES (DETENTION POND) AT C=1.0 (WATER BODY).

 RUNOFF COEFFICIENTS AND RAINFALL INTENSITY VALUES WERE USED FROM EX. DRAINAGE AREA MAP PROVIDED BY B.D.D. DATED 09/08/00

CAWLEY - FOURTEEN555 PHASE 2
14555 DALLAS PARKWAY
TOWN OF ADDISON, DALLAS COUNTY, TEXA
Title
DRAINAGE AREA CALCULATION

Client/Project CAWLEY PARTNERS

Permit-Seal



Project Number: 222011532

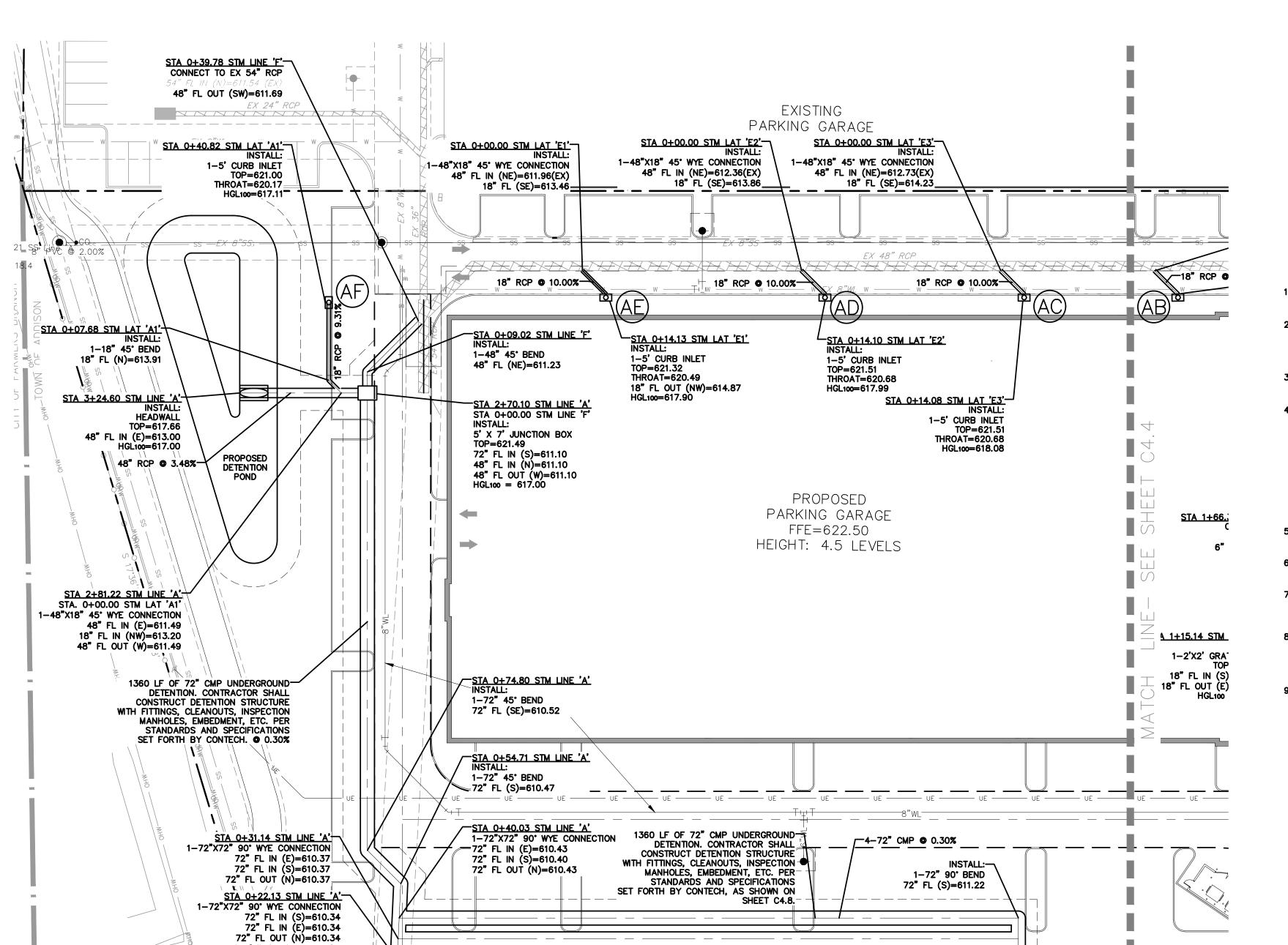
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RR JM JM 19.02.12

Dwn. Chkd. Dsgn. YY.MM.DD Drawing No. C4.2

Revision Sheet

C4.2 ____



-STA. 0+00.00 STM LINE 'C'-

CONNECT TO 72" CMP

72" FL OUT (W)=610.48

= 72" FL OUT (E)=610.48 = 18" FL OUT (S)=612.73

-<u>STA 0+21.00 STM LINE 'C'</u> INSTALL:

(REF. TO C4.7 FOR DETAIL) RIM ELEV.=618.50

1-5' COMBINATION INLET

THROAT ELEV.=617.67

18" FL IN (N)=614.50 HGL100 =617.24

STA 0+13.12 STM LINE 'A'-

72" FL IN (E)=610.31 72" FL IN (S)=610.31=

72" FL OUT (N)=610.31

PIPE SIZE CHANGE— END 54" RCP BEGIN 72" RCP -54" RCP @ 1.95%

18" RCP @ 8.43%—

STA 0+00.00 STM LINE 'A' INSTALL:

BOX WITH RESTRICTOR PLATE

1-6' STM JUNCTION

54" FL IN (N)=610.19

TOP=619.00

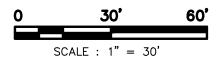
 $HGL_{100} = 617.00$

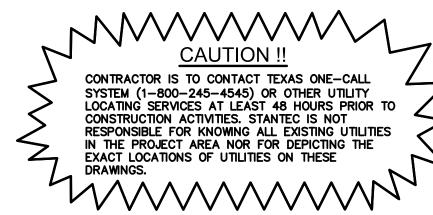
1-72"X72" 90° WYE CONNECTION

72 INCH CONCRETE PIPE @ 0.30%-

STA 0+05.12 STM LINE 'A'







GENERAL NOTES - STORM DRAIN

- 1. **GENERAL CONSTRUCTION NOTES:** REFER TO SHEET C1.1 "GENERAL CONSTRUCTION NOTES, LEGEND AND ABBREVIATIONS" FOR THE GENERAL CONSTRUCTION NOTES FOR THE PROJECT.
- 2. PROTECTION OF UTILITIES: THE CONTRACTOR SHALL MAKE NECESSARY PROVISIONS FOR THE SUPPORT AND PROTECTION OF ALL UTILITY POLES, FENCES, TREES, SHRUBS, GAS MAINS, TELEPHONE CABLES, ELECTRIC CABLES, DRAINAGE PIPES, UTILITY SERVICES, AND ALL OTHER UTILITIES AND STRUCTURES BOTH ABOVE AND BELOW THE GROUND.
- 3. PUBLIC STORM DRAIN PIPE: UNLESS OTHERWISE NOTED ON THE DRAWINGS, ALL PIPE FOR PUBLIC STORM DRAIN IMPROVEMENTS SHALL BE REINFORCED CONCRETE PIPE (RCP), CLASS III.
- PRIVATE STORM DRAIN PIPE: UNLESS OTHERWISE NOTED ON THE DRAWINGS, ALL PIPE FOR PRIVATE STORM DRAIN IMPROVEMENTS SHALL BE AS FOLLOWS:

GREATER THAN 36": REINFORCED CONCRETE PIPE (RCP), CLASS III

- 15" THROUGH 36": REINFORCED CONCRETE PIPE (RCP), CLASS III, OR HIGH DENSITY POLYETHYLENE PIPE (HDPE), N-12
- 4" THROUGH 12": POLYVINYL CHLORIDE PIPE (PVC), SDR 35, OR HIGH DENSITY POLYETHYLENE PIPE (HDPE), N—12
- 5. RCP JOINT SEALANT: REINFORCED CONCRETE PIPE JOINTS SHALL BE SEALED WITH RAMNECK OR APPROVED EQUAL.
- **GROUTING:** ALL PIPE ENTERING PUBLIC STORM DRAIN STRUCTURES SHALL BE GROUTED TO ASSURE WATERTIGHT CONNECTIONS.
- 7. CONCRETE COLLARS: CONCRETE COLLARS SHALL BE INSTALLED AT ALL CHANGES IN CONDUIT SIZE AND AT ALL JOINTS THAT ARE PULLED IN EXCESS OF THAT RECOMMENDED BY THE CONDUIT MANUFACTURER.
- 8. ROOF DRAINS: THE CONTRACTOR SHALL COORDINATE THE EXACT LOCATION OF ROOF DRAIN LATERALS WITH BUILDING PLANS FOR DOWNSPOUT CONNECTIONS. END AND CAP ROOF DRAIN LATERALS FIVE (5) FEET FROM BUILDING AT 4' BELOW FINISH GRADE FOR CONNECTION OF DOWNSPOLTS
- 9. ADJUSTMENT OF STRUCTURES: ALL STORM DRAIN STRUCTURES INCLUDING MANHOLES, INLETS AND CLEANOUTS MUST BE ADJUSTED TO PROPER LINE AND GRADE BY THE CONTRACTOR PRIOR TO, AND AFTER, PLACEMENT OF PAVING AND GRASSING.

NO⁻

30" RCP @ 0.38%

-INSTALL:

1-72" 90° BEND

72" FL (W)=611.10

-STA 0+00.00 STM LINE 'B'

72" FL IN (S)=611.13

30" FL IN (E)=612.88

72" FL OUT (W)=611.13

72" FL OUT (N)=611.13

1-72"X30" 90° WYE CONNECTION

STA 0+00.00 STM LINE 'D'=

CONNECT TO 72" CMP

72" FL IN (W)=611.03

72" FL OUT (E)=611.03— 18" FL OUT (S)=613.28—

18" RCP @ 7.48%-

RIM ELEV.=618.85

 $HGL_{100} = 617.28$

THROAT ELEV.= 618.02

18" FL IN (N)=614.85

STA 0+21.00 STM LINE 'D'-

1-5' COMBINATION INLET

(REF. TO C4.7 FOR DETAIL)

- ALL ONSITE STORM IS PRIVATE AND SHALL NOT BE MAINTAINED BY THE TOWN OF ADDISON.
- ALL STORM PIPE UNDER TOWN OF
- ADDISON FIRE LANE MUST BE RCP.
- DETENTION AND ORIFICE CALCULATIONS AND DETAILS PROVIDED ON SHEET C4.5

LEGEND



DRAINAGE AREA DESIGNATION REFER TO SHEET C4.2 FOR PROPOSED DRAINAGE AREA MAP

BENCHMARKS:

REFERENCE BENCHMARK:
TOWN OF ADDISON CONTROL POINT NO. COA-14 LOCATED 1,730'
SOUTH EAST FROM THE INTERSECTION OF LANDMARK PLACE AND
LANDMARK BOULEVARD THEN 40.6' WEST OF STREET SIGN, 8.15'
NORTH OF CHAINLINK FENCE AND 70.5' EAST OF STREET SIGN.
ELEVATION = 623.19'

SITE BENCHMARK:

3-1/4" ALUMINUM DISK IN STAMPED "STANTEC" FOUND LOCATED APPROXIMATELY 1000' WEST FROM THE CENTERLINE OF THE SOUTHBOUND SERVICE ROAD OF THE DALLAS NORTH TOLLWAY, APPROXIMATELY 730' SOUTH FROM THE CENTERLINE OF LANDMARK BOULEVARD. POINT ALSO BEING THE SOUTHWEST CORNER OF SUBJECT TRACT. ELEVATION = 616.60'

Stant



By Appd. YY.MM.DD

Revision

PHASE 2 , COUNTY, TEXAS

CAWLEY - FOURTEEN555 PHA 14555 DALLAS PARKWAY TOWN OF ADDISON, DALLAS COUN

Permit-Seal

AWLEY



Project Number: 222011532

File Name: 11532_c2_001_dr.dwg

RR JM JM 19.02.12

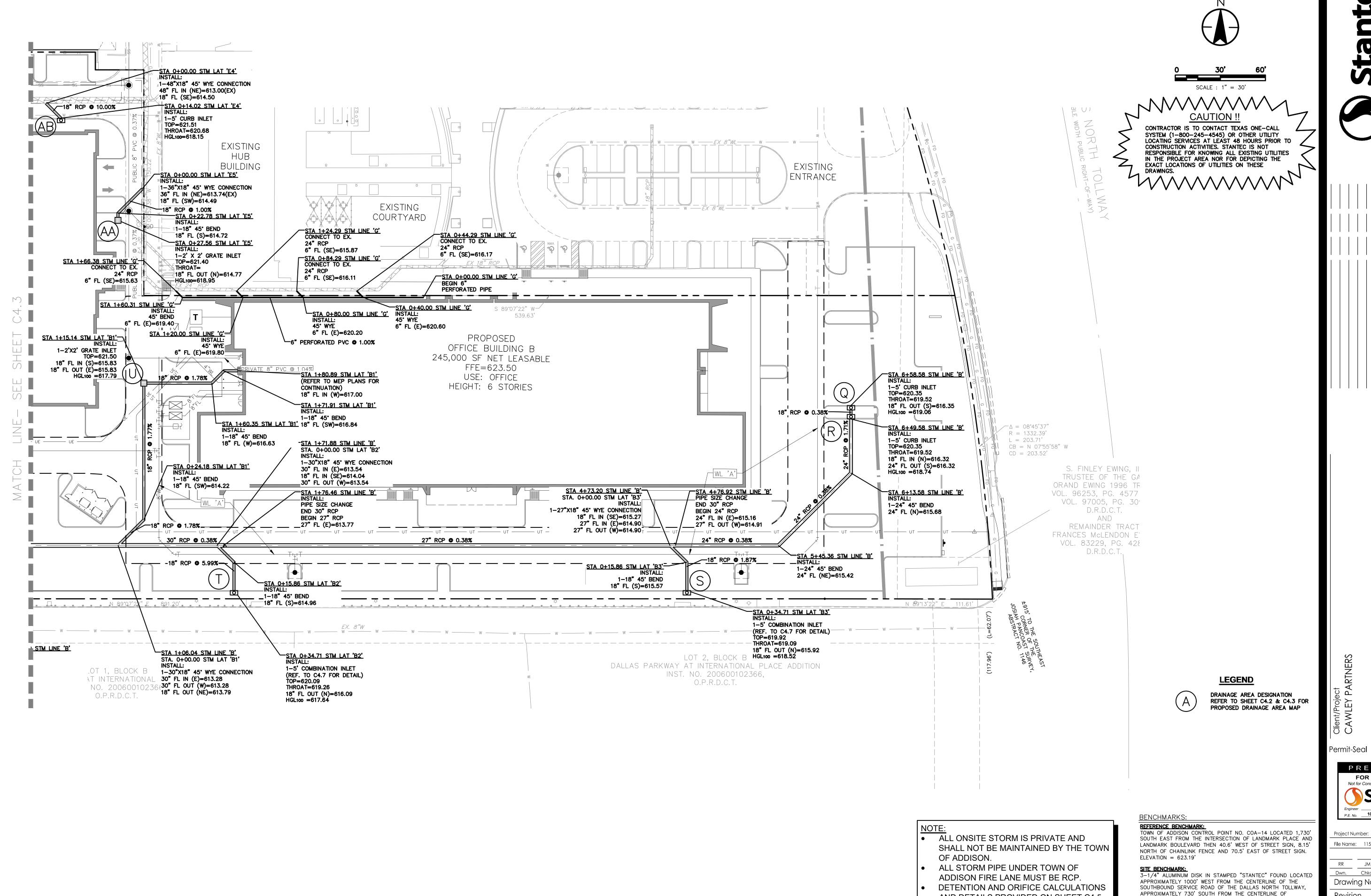
Dwn. Chkd. Dsgn. YY.MM.DD
Drawing No. C4.3

Revision Sheet

C4.3

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ORIGINAL SHEET - ANSI D



CAWLEY - FOURTEEN555 F 14555 DALLAS PARKWAY TOWN OF ADDISON, DALLAS CC



Project Number: 222011532 File Name: 11532_c2_001_dr.dwg

 RR
 JM
 JM
 19.02.12

 Dwn.
 Chkd.
 Dsgn.
 YY.MM.DD
 Drawing No. C4.4 Revision

LANDMARK BOULEVARD. POINT ALSO BEING THE SOUTHWEST

CORNER OF SUBJECT TRACT.

ELEVATION = 616.60'

AND DETAILS PROVIDED ON SHEET C4.5

C4.4

	Runoff C		Distance										Velocity In Sewer		Нє	adloss Cal	culations	Flow Time	_ I		Hydraulic Hydraulic Grade Grade	· .						
Station			Between Collection	Drainag	e			Time at	Design		Storm Water		Selected Storm S	torm		Flowline of	Top of		Between Collection		Head Loss	Downstrea	m Upstream	of	Time of		Grade Line	Grade Line
Range Designation	Upstream Station	Downstream Station	Points (feet)	Area Area No. "A"	Runoff	Incremental	Accum-	Jpstream Station	Storm Frequency	Intensity	Runoff "Q"	Runoff Σ"Q"		ewer S ype	Slope of Pipe Capacity	Pipe Downstream	Pipe Downstream	Gradient "S"	Points "V"	TYPE OF STRUCTURE AT UPSTREAM STATION	Coefff. "Ki"	of Structu v²/2g	re Structure "Kj" x v²/2g		Downstream Station		Elevation Upstream	Elevation Downstream
LAT A1																					. 9						-	
2	0+40.82 0+07.68	0+07.68 0+00.00	33.14 7.68	AF 0.15 - 0.00		0.14	0.14 0.14	10.00 10.83	100-Year 100-Year	8.74 8.54	1.18 0.00	1.18 1.15			0.0931 32.05 0.0925 31.95	613.91 613.20	615.41 614.70	0.0001 0.0001	0.67 0.65	Inlet or Manhole at Beginning of the Line 45° Bend	1.25 0.35	0.01 0.01	0.00	0.83	10.83 11.02	FULL FULL	617.11 617.00	617.10 617.00
LINE B																												
1	6+58.58	6+49.58	9.00	Q 0.72		0.65	0.65	10.00	100-Year	8.74	5.66	5.66			0.0038 6.48	616.32	617.82	0.0029	3.20	Inlet or Manhole at Beginning of the Line	1.25	0.16	0.00	0.05	10.05	FULL	619.06	618.84
3	6+49.58 6+13.58	6+13.58 5+45.36	36.00 68.22	R 0.28		0.25 0.00	0.90	10.05 10.29	100-Year 100-Year	8.73 8.67	2.20 0.00	7.86 7.80			0.0038 13.95 0.0038 13.95	616.18 615.42	618.18 617.42	0.0012 0.0012	2.50 2.48	Inlet on Main Line 45° Bend	1.25 0.35	0.10 0.10	0.20	0.24	10.29 10.74	FULL FULL	618.74 618.59	618.69 618.51
4	5+45.36	4+76.92	68.44	- 0.00	0.00	0.00	0.90	10.74	100-Year	8.56	0.00	7.70	24" F	RCP	0.0038 13.95	615.16	617.16	0.0012	2.45	45° Bend	0.35	0.09	0.03	0.47	11.21	FULL	618.41	618.33
5 6	4+76.92 4+73.20	4+73.20 1+76.46	3.72 296.74	- 0.00 S 0.50		0.00 0.45	0.90 1.35	11.21 11.24	100-Year 100-Year	8.44 8.44	0.00 3.80	7.60 11.39			0.0038 19.09 0.0038 19.09	614.90 613.77	617.15 616.02	0.0006 0.0014	1.91 2.86	Pipe Size Change 45° Wye or Cut-In	0.50 0.75	0.06 0.13	0.05	0.03 1.73	11.24 12.97	FULL FULL	618.23 618.13	618.23 617.73
7	1+76.46	1+71.88	4.58	- 0.00	0.00	0.00	1.35	12.97	100-Year	8.02	0.00	10.82	30" F	RCP	0.0038 25.28	613.54	616.04	0.0007	2.20	Pipe Size Change	0.50	0.08	0.06	0.03	13.00	FULL	617.63	617.63
8 9	1+71.88 1+06.04	1+06.04 0+00.00	65.84 106.04	T 0.28 U & V 1.12	0.90	0.25 1.01	1.60 2.61	13.00 13.42	100-Year 100-Year	8.01 7.90	1.98 7.97	12.80 20.60			0.0038 25.28 0.0038 25.28	613.28 612.88	615.78 615.38	0.0010 0.0025	2.61 4.20	45° Wye or Cut-In 45° Wye or Cut-In	0.75 0.75	0.11	0.06	0.42	13.42 13.85	FULL FULL	617.53 617.27	617.46 617.00
LAT B1																												
1	1+15.14	0+24.18	90.96	U & V 1.12		1.01	1.01	10.00	100-Year	8.74	8.81	8.81			0.0178 14.01	614.22	615.72	0.0070	4.99	Inlet on Main Line	1.25	0.39	0.00	0.30	10.30	FULL	618.40	617.76
2	0+24.18	0+00.00	24.18	- 0.00	0.00	0.00	1.01	10.30	100-Year	8.67	0.00	8.74	18" F	RCP	0.0178 14.01	613.79	615.29	0.0069	4.94	45° Bend	0.35	0.38	0.14	0.08	10.39	FULL	617.63	617.46
LAT B2	0+34.71	0+15.86	18.85	T 0.28	0.90	0.25	0.25	10.00	100-Year	8.74	2.17	2.17	18" F	RCP	0.0599 25.71	614.96	616.46	0.0004	1.23	Inlet or Manhole at Beginning of the Line	1.25	0.02	0.00	0.26	10.26	FULL	617.77	617.73
2	0+15.86	0+00.00	15.86		0.00	0.00	0.25	10.26	100-Year	8.68	0.00	2.15			0.0580 25.30	614.04	615.54	0.0004	1.22	45° Bend	0.35	0.02	0.01	0.22	10.47	FULL	617.63	617.63
LAT B3							0.0000000000000000000000000000000000000							01000010001								2800:000:000:000:0000:						
1 2	0+34.71 0+15.86	0+15.86 0+00.00	18.85 15.86		0.90	0.45 0.00	0.45 0.45	10.00 10.14	100-Year 100-Year	8.74 8.71	3.93 0.00	3.93 3.92			0.0187 14.36 0.0187 14.36	615.57 615.27	617.07 616.77	0.0014 0.0014	2.23 2.22	Inlet or Manhole at Beginning of the Line 45° Bend	1.25 0.35	0.08	0.00	0.14 0.12	10.14 10.26	FULL FULL	618.48 618.25	618.35 618.23
_	0 10.00	0 00.00	10.00	0.00	0.00	0.00	J. 10	10.11	100 041	0.71	0.00	0.02	10	(0)	0.0107	010.27	010.77	0.0011	<i></i>	10 20114	0.00	0.00	0.00	0.12	10.23	1 022	310.20	010.25
LINE C																												
1	0+21.00	0+00.00	21.00	Z 0.66	0.90	0.60	0.60	10.00	100-Year	8.74	5.23	5.23	18" F	RCP	0.0843 30.50	612.73	614.23	0.0025	2.96	Inlet or Manhole at Beginning of the Line	1.25	0.14	0.00	0.12	10.12	FULL	617.22	617.00
Line D																												
1	0+30.00	0+00.00	30.00	W 0.69	0.90	0.62	0.62	10.00	100-Year	8.74	5.42	5.42	18" F	RCP	0.0748 28.73	613.28	614.78	0.0027	3.07	Inlet or Manhole at Beginning of the Line	1.25	0.15	0.00	0.16	10.16	FULL	617.26	617.00
LAT E1	0+14.13	0+00.00	14.13	AF 0.16	0.90	0.14	0.14	10.00	100-Year	8.74	1.26	1.26	18" F	DCD.	0.0100 10.50	613.46	614.06	0.0001	0.71	Inlet or Manhole at Beginning of the Line	1.25	0.01	0.00	0.33	10.33	FULL	617.90	617.89
	0+14.13	0+00.00	14.13	AE 0.10	0.90	0.14	0.14	10.00	100-1 eai	0.74	1.20	1.20	10 F	(CF	0.0100 10.30	013.40	014.90	0.0001	0.71	illet of Mailible at Beginning of the Line	1.20	0.01	0.00	0.55	10.55	FULL	017.90	017.69
L AT EQ																												
LAT E2	0+14.10	0+00.00	14.10	AD 0.11	0.90	0.10	0.10	10.00	100-Year	8.74	0.87	0.87	18" F	RCP	0.0100 10.50	613.86	615.36	0.0001	0.49	Inlet or Manhole at Beginning of the Line	1.25	0.00	0.00	0.48	10.48	FULL	617.99	617.98
LAT E3																												
1	0+14.08	0+00.00	14.08	AC 0.11	0.90	0.10	0.10	10.00	100-Year	8.74	0.87	0.87	18" F	RCP	0.0100 10.50	614.23	615.73	0.0001	0.49	Inlet or Manhole at Beginning of the Line	1.25	0.00	0.00	0.48	10.48	FULL	618.08	618.07
LAT E4	0.44.00	0.00.00	44.00		0.00	0.44	0.44	40.00	400.)/	0.74	4.40	4.40	40"	205	0.0400 40.50		045.07	0.0004	0.07	lolet as Marchala at D	4.05	0.01	0.00	0.05	40.05		040.45	040.44
1	0+14.02	0+00.00	14.02	AB 0.15	0.90	0.14	0.14	10.00	100-Year	8.74	1.18	1.18	18" F	RCP	0.0100 10.50	614.17	615.67	0.0001	0.67	Inlet or Manhole at Beginning of the Line	1.25	0.01	0.00	0.35	10.35	FULL	618.15	618.14
LINE E5	0+27.56	0+22.78	4.78	AA 0.22	0.90	0.20	0.20	10.00	100-Year	8.74	1.73	1.73	18" F	RCP	0.0100 10.50	614.51	616.01	0.0003	0.98	Inlet or Manhole at Beginning of the Line	1.25	0.01	0.00	0.08	10.08	FULL	618.95	618.93
2	0+22.78	0+00.00	22.78		0.90		0.20	10.08	100-Year	8.72	0.00	1.73			0.0010 3.32	614.49	615.99	0.0003	0.98	30° Bend	0.00	0.01	0.00	0.39	10.47	FULL	618.83	618.82

ESTIMATED DETENTION POND SIZE FOR 100 YEAR STORM

Present Conditions C = 0.95 A = 13.70 CxA = 13.02C = - A = -Total = 13.02 T = 10 min $I_{100} = 8.00 \text{ in/hr}$ $Q_{100} = 104.16 \text{ cfs}$

Future C	onditio	ns (To	Deten	ition Pond)		
	C =	0.90	A =	9.08	CxA =	8.17
	**C =	0.87	A =	7.07	CxA =	6.15
	T =	10	min	T =	10	min
	I ₁₀₀ =	8.74	in/hr	I ₁₀₀ =	8.74	in/hr
ı	Q ₁₀₀ =	125.18	cfs			

*Max 100-year release rate per plans prepared by BDD dated 9/8/2000. **C is a weighted value (Refer to Storm Water Runoff Calculations)

100		100
1ax Release Rate=	85.80 cfs	<u> </u>

Time (Min)	Rainfall Intensity	<u>Discharge</u>		<u>Volume</u>
5	l= 10.49 in/hr	C*A= 14.32 Q= 150.2 cfs	Inflow 5 * 150.2 * 60 =	45,074 cf
			Outflow 0.5 * 15 * 85.80 * 60 =	38,610 cf
				6,464 cf
10	l= 8.74 in/hr	C*A= 14.32 Q= 125.2 cfs	Inflow 10 * 125.2 * 60 =	75,109 cf
			Outflow 0.5 * 20 * 85.80 * 60 =	51,480 cf
				23,629 cf
15	l= 7.52 in/hr	C*A= 14.32 Q= 107.7 cfs	Inflow 15 * 107.7 * 60 =	96,937 cf
			Outflow 0.5 * 25 * 85.80 * 60 =	64,350 cf
				32,587 cf
20	l= 6.80 in/hr	C*A= 14.32 Q= 97.4 cfs	Inflow 20 * 97.4 * 60 =	116,875 cf
			Outflow 0.5 * 30 * 85.80 * 60 =	77,220 cf
				39,655 cf
25	l= 6.20 in/hr	C*A= 14.32 Q= 88.8 cfs	Inflow 25 * 88.8 * 60 =	133,203 cf
			Outflow 0.5 * 35 * 85.80 * 60 =	90,090 cf
			_	43,113 cf
30	l= 5.75 in/hr	C*A= 14.32 Q= 82.4 cfs	Inflow 30 * 82.4 * 60 =	148,242 cf
			Outflow 0.5 * 40 * 85.80 * 60 =	102,960 cf
			-	45,282 cf
35	l= 5.15 in/hr	C*A= 14.32 Q= 73.8 cfs	Inflow 35 * 73.8 * 60 =	154,902 cf
			Outflow 0.5 * 45 * 85.8 * 60 =	115,830 cf
				39,072 cf

INLET DESIGN

INLET	Design Storm Frequency (yrs.)	Conc	Intensity I (in./hr.)	Runoff Coeff. "C"	Area (Ac.)	"Q" (c.f.s)	Carry-Over From Upstream Inlet (c.f.s.)	SELECTED	Inlet Capacity (c.f.s.)	Carry-Over To Downstream Inlet (c.f.s.)	Comment
LAT A-1	100	10	8.74	0.90	0.15	1.18	-	5' CURB	8.75	-	SAG
LINE C	100	10	8.74	0.90	0.66	5.23	-	5' COMBO	12	-	SAG
LINE D	100	10	8.74	0.90	0.69	5.42	-	5' COMBO	12	-	SAG
LAT B-1	100	10	8.74	0.90	0.16	1.26	-	2'X2' GRATE	6.6	-	SAG
LAT B-2	100	10	8.74	0.90	0.28	2.17	-	5' COMBO	12	-	SAG
LAT B-3	100	10	8.74	0.90	0.50	3.93	-	5' COMBO	12	-	SAG
LINE B (1)	100	10	8.74	0.90	0.26	2.05	-	5' CURB	8.75	-	SAG
LINE B (2)	100	10	8.74	0.90	0.80	6.29	-	5' CURB	8.75	-	SAG
LAT E-1	100	10	8.74	0.90	0.16	1.26	-	5' CURB	8.75	-	SAG
LAT E-2	100	10	8.74	0.90	0.11	0.87	-	5' CURB	8.75	-	SAG
LAT E-3	100	10	8.74	0.90	0.11	0.87		5' CURB	8.75		SAG
LAT E-4	100	10	8.74	0.90	0.15	1.18		5' CURB	8.75		SAG
LAT E-5	100	10	8.74	0.90	0.22	1.73	-	2'X2' GRATE	6.6	-	SAG

N CALCULATIONS	Open Detention Pond Volume
----------------	----------------------------

Elevation	Area (SF)	Storage Volume (CF)	Rainfall Event Storage
612	0	0	
613	976	488	
614	1,799	1,876	
615	2,782	4, 166	
616	3,940	7,527	
617	5,645	12,320	100-YR WSEL

Remaining Volume Requirement for Underground Storage: 32,962 CF Diameter of Underground Deteniton Storage: 72 in Length of Pipe required for Detention: 1,166.40 If

100 Year Release Rate Outlet Structure

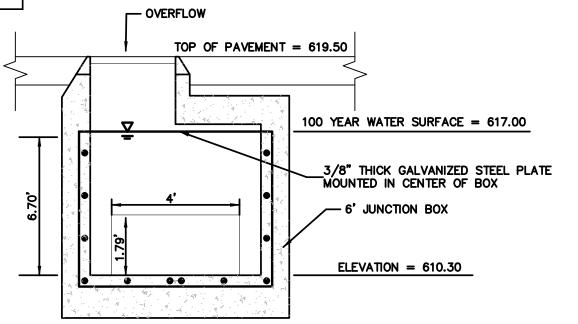
Rectangular Orfice Opening: Q = c*a √(2gh)

Invert Elevation @ Restrictor = 610.30 feet 100-Year Storage WSEL = 617.00 feet Storage Depth = 6.70 feet

100 Year Release Rate = 85.83 cfs c = 0.62

a = 7.16 square feet h = 5.81 feet g = 32.20

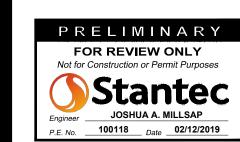
Width Of Orfice Opening = 4.00 feet Height Of Orfice Opening = 1.79 feet



DETENTION POND OUTFALL ORIFICE SCALE: N.T.S.

CAWLEY - FOURTEEN555 PHASE 2
14555 DALLAS PARKWAY
TOWN OF ADDISON, DALLAS COUNTY, TEXA
Title
HYDRAULIC & DETENTION CALC CIRENI/FIGJECI CAWLEY PARTNERS

Permit-Seal



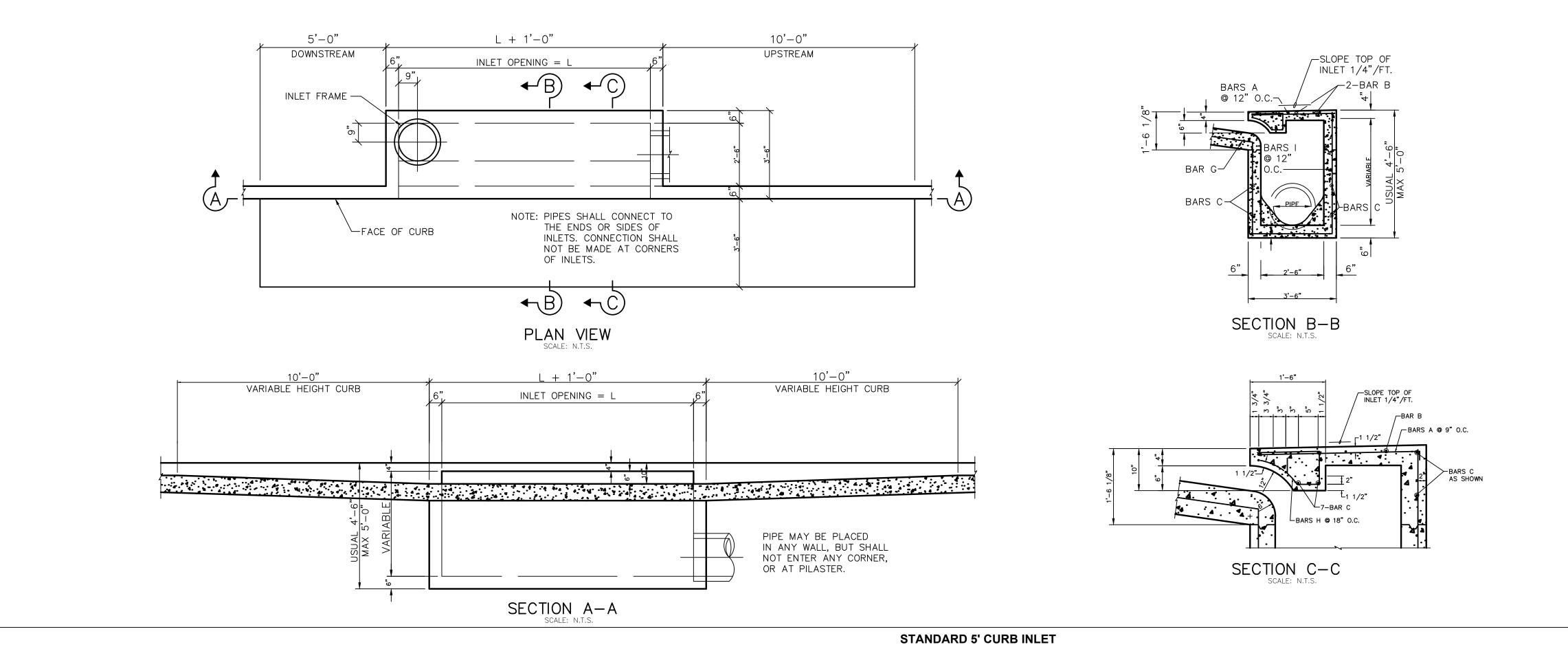
Project Number: 222011532

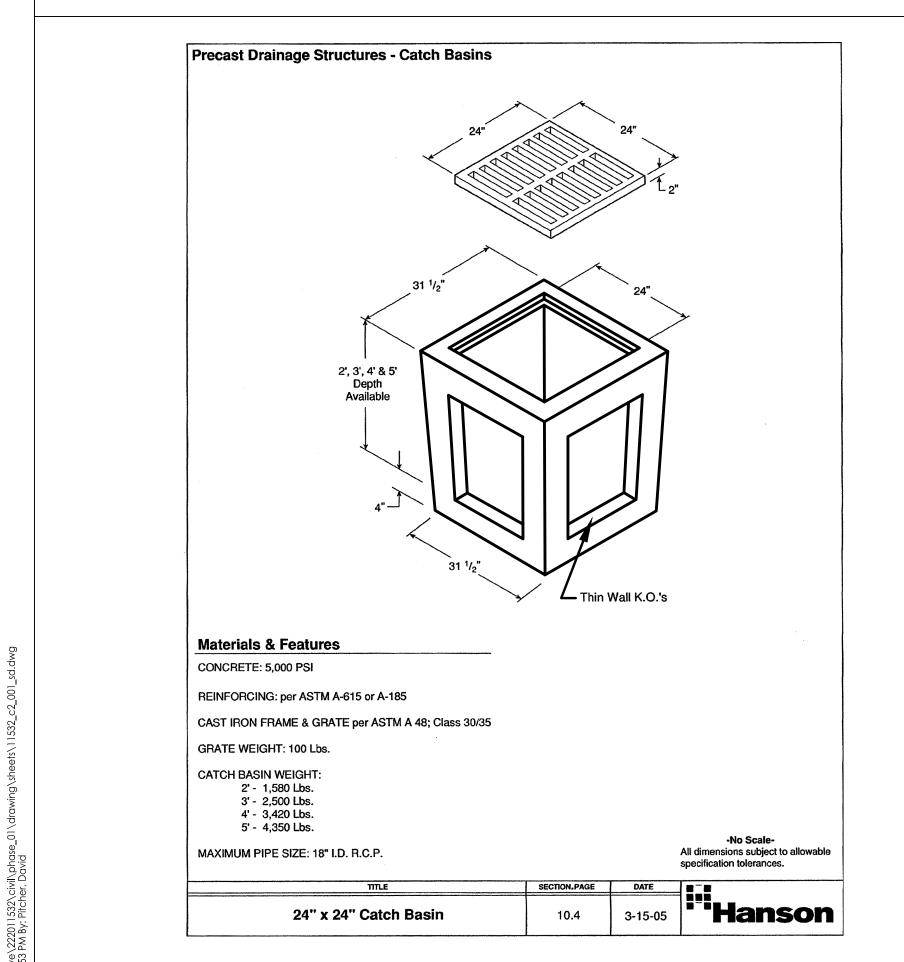
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Dwn. Chkd. Dsgn. YY.MM.DD Drawing No. C4.5

Revision Sheet

C4.5





2'X2' GRATE INLET DETAIL SCALE: N.T.S.

ORIGINAL SHEET - ANSI D

SCALE: N.T.S.

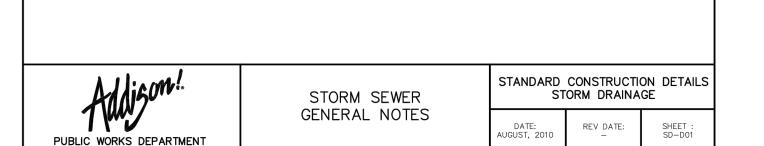
Client/Project
CAWLEY PARTNERS Permit-Seal PRELIMINARY FOR REVIEW ONLY Stantec Engineer JOSHUA A. MILLSAP P.E. No. 100118 Date 02/12/2019 Project Number: 222011532 File Name: 11532_c2_001_sd.dwg
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 19.02.12

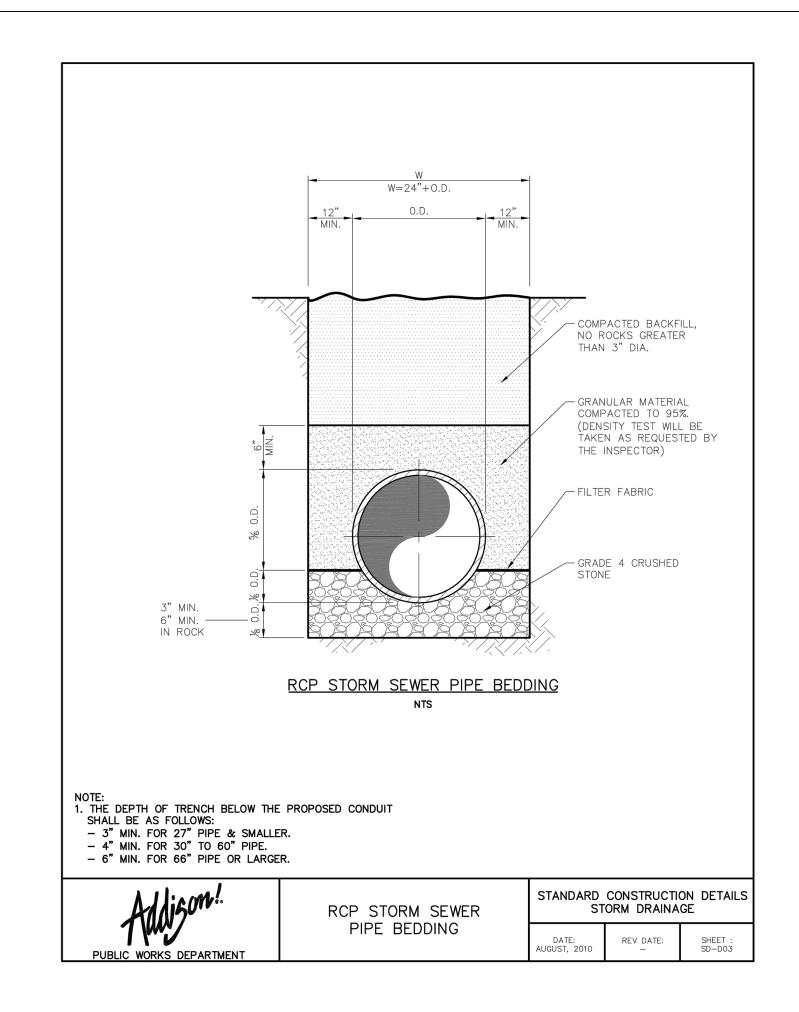
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 Chkd.
 Dsgn.
 YY.MM.DD
 Drawing No. C4.6

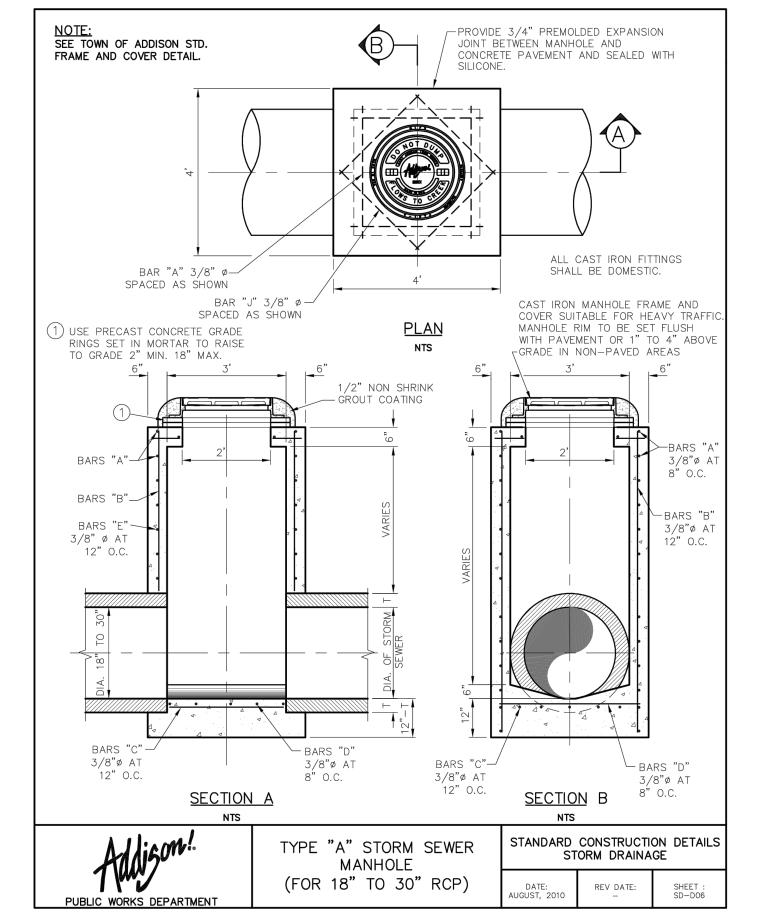
Revision

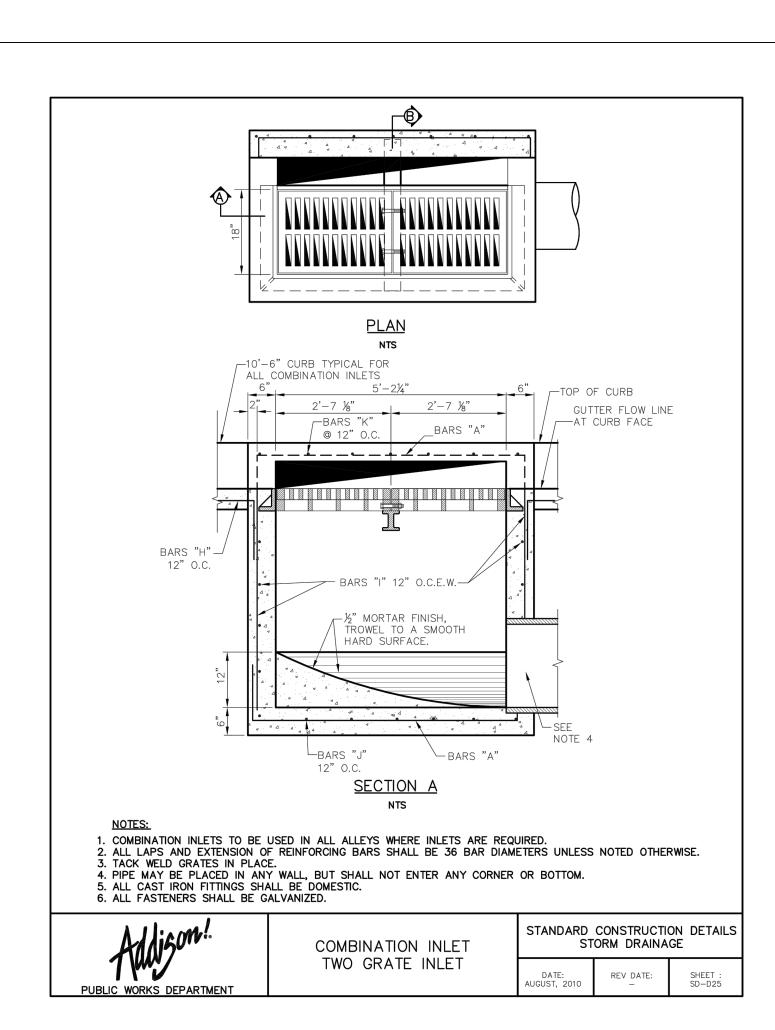
STORM SEWER - GENERAL NOTES:

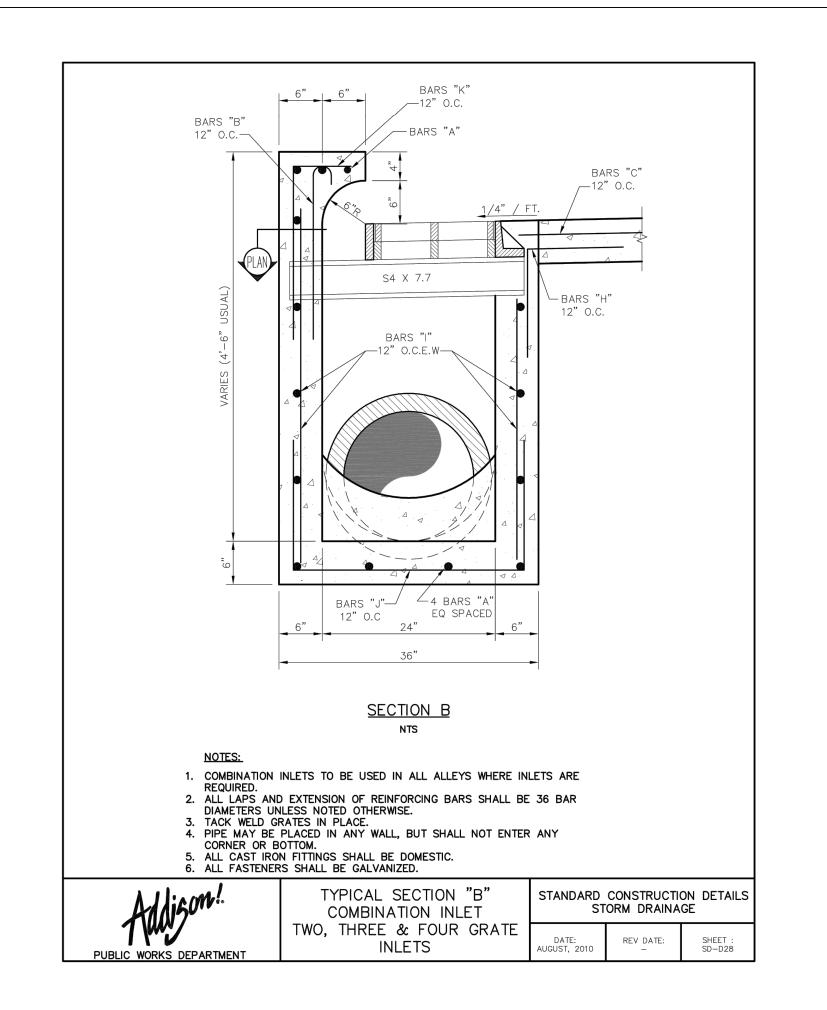
- 1. ALL CONCRETE DRAINAGE STRUCTURES SHALL BE CLASS C CONCRETE MINIMUM.
- 2. ALL CRUSHED STONE SHALL BE 3/4", PASSING #4 SIEVE (GRADE 4).
- 3. ALL FIELD JOINTS WILL BE APPROVED BY THE TOWN ENGINEER IF NECESSARY. FIELD JOINTS SHALL BE WIPED ON THE INSIDE AND OUTSIDE TO PROVIDE FOR SMOOTH FLOW OF WATER.
- 4. RAMNECK COMPOUND OR APPROVED EQUAL SHALL BE USED FOR JOINT SEALS.
- 5. ALL STORM SEWER PIPE SHALL BE CAMERA INSPECTED AFTER THE INSTALLATION OF ALL PAVING AND UTILITIES AND PRIOR TO FINAL ACCEPTANCE OF THE PROJECT.

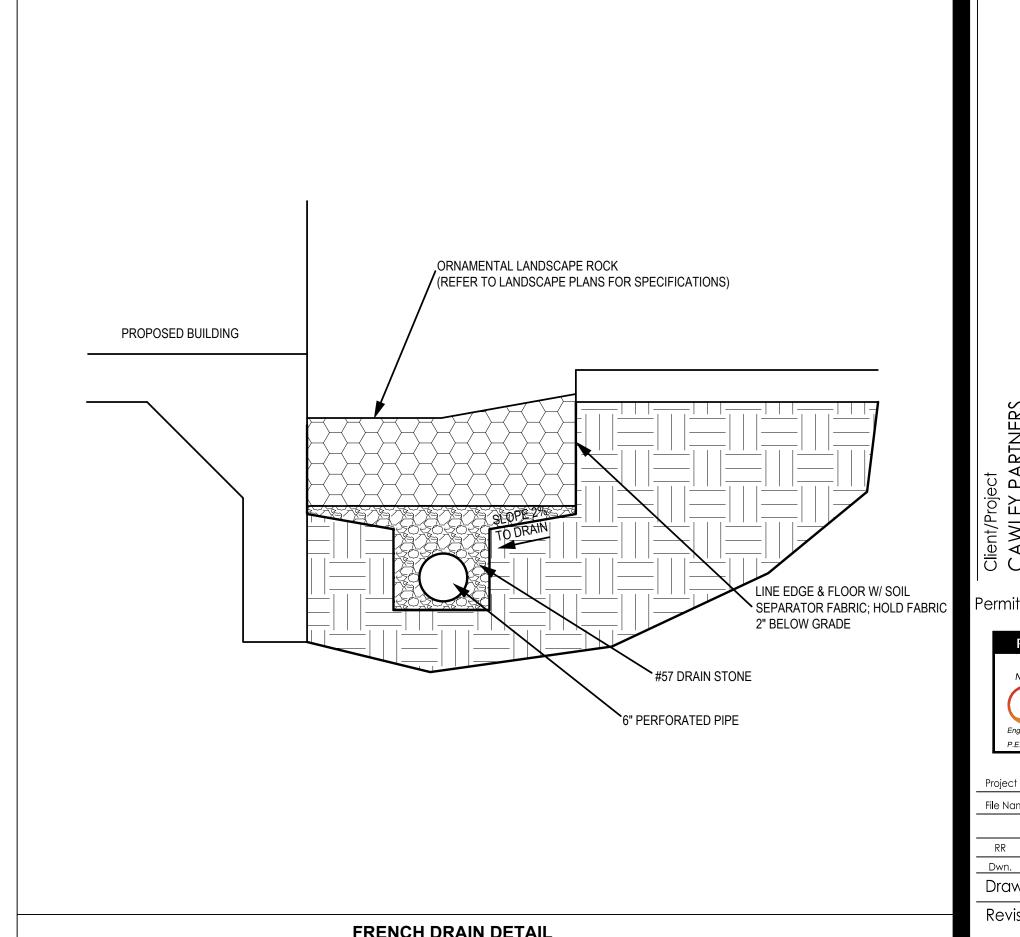


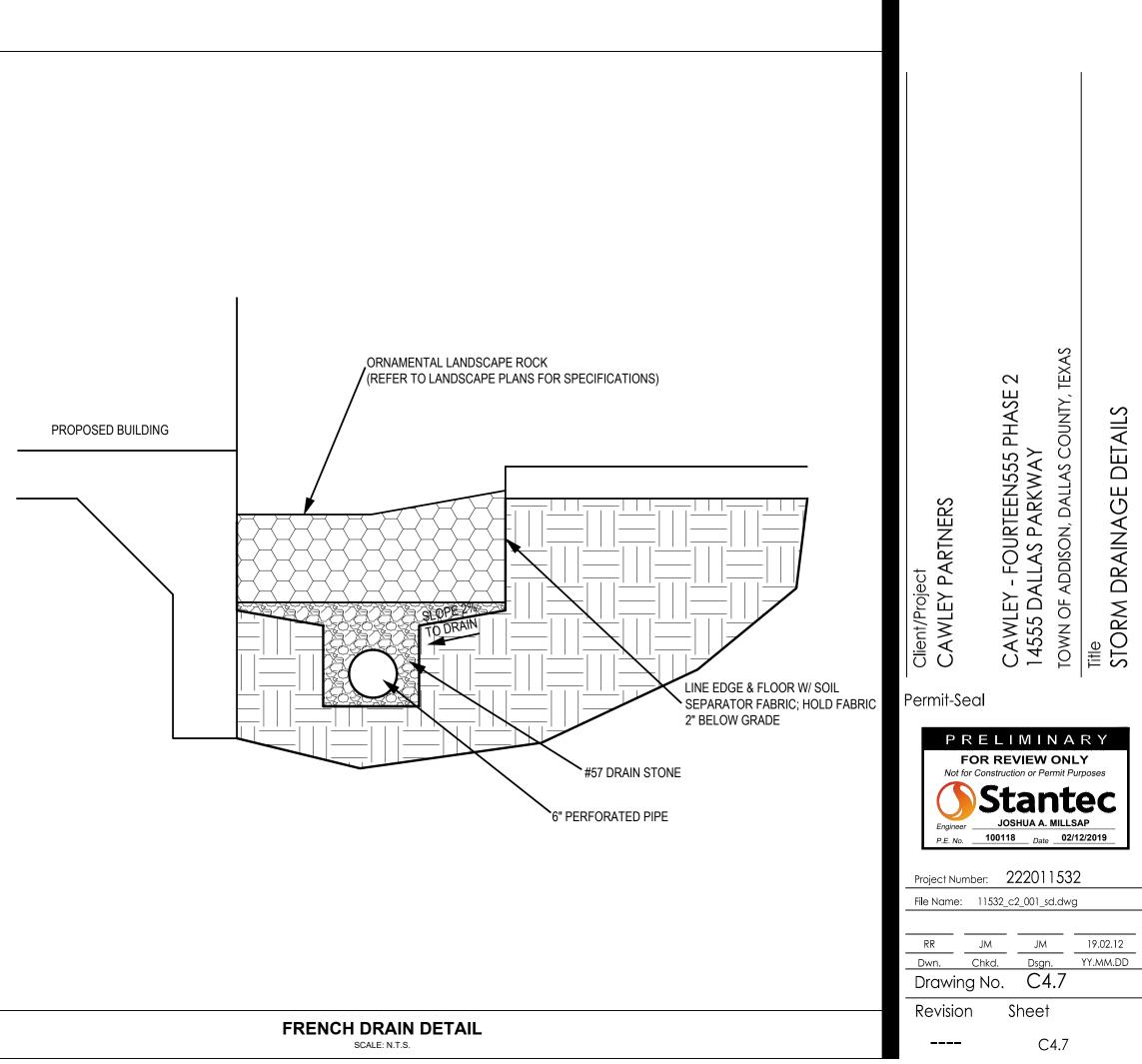


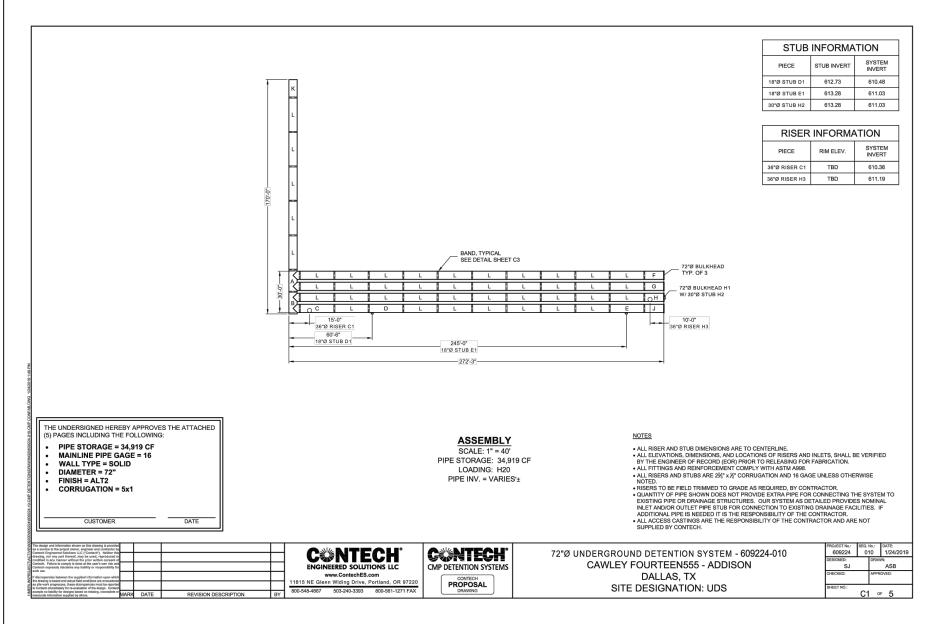


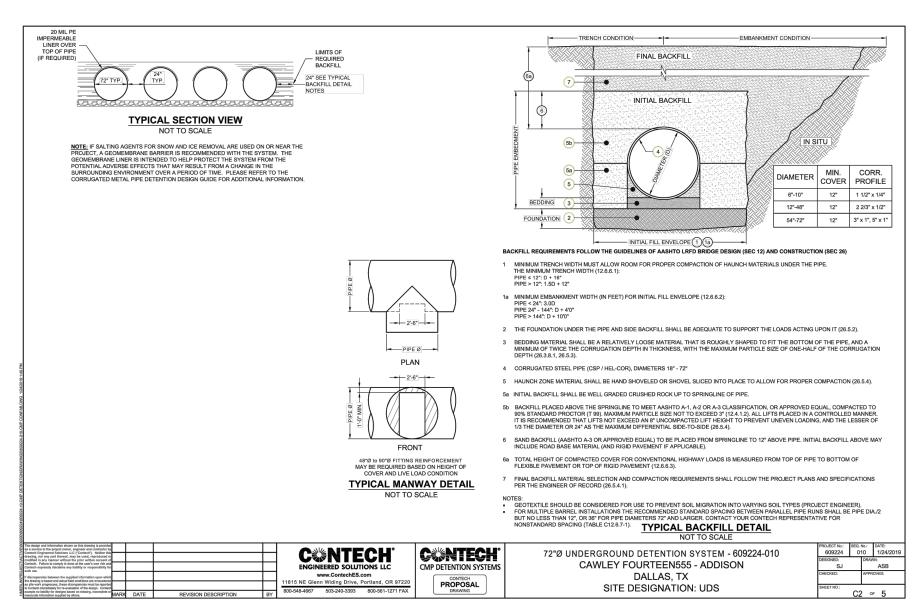


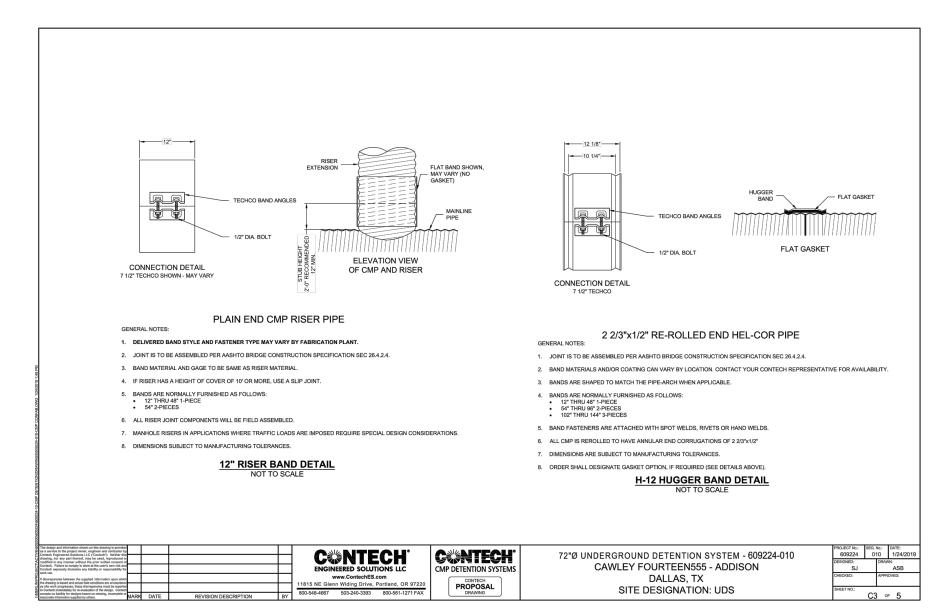


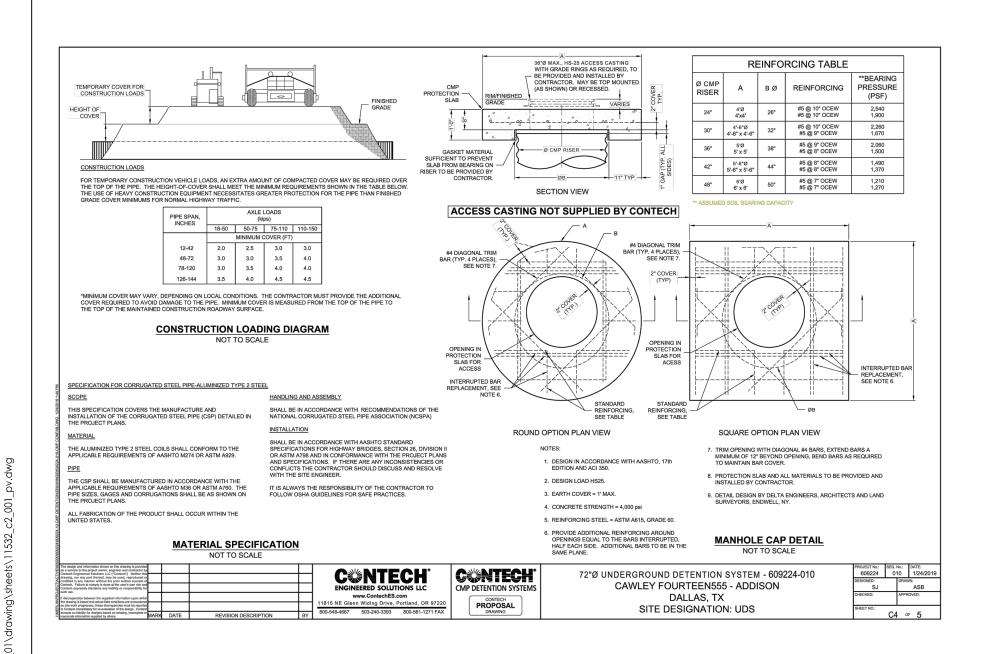


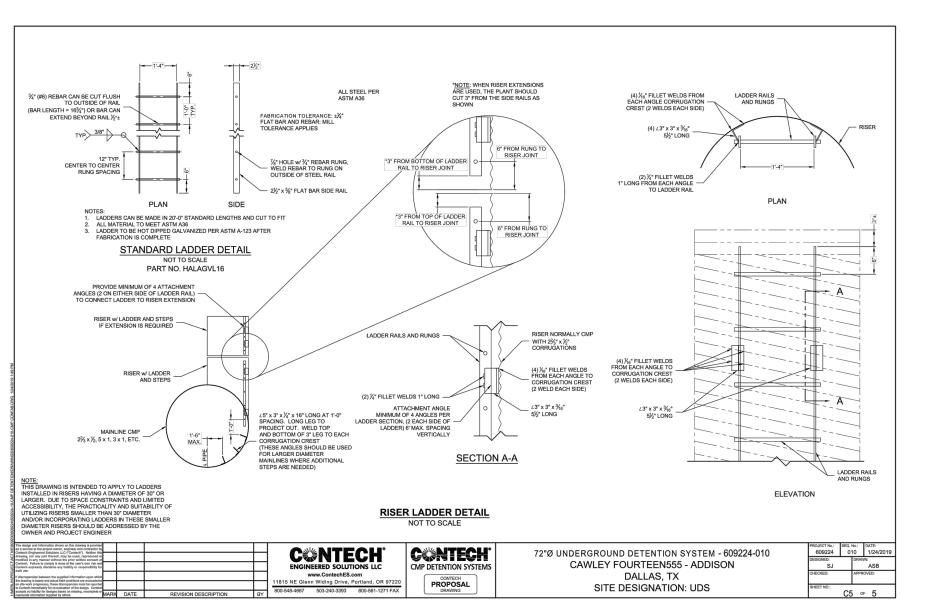


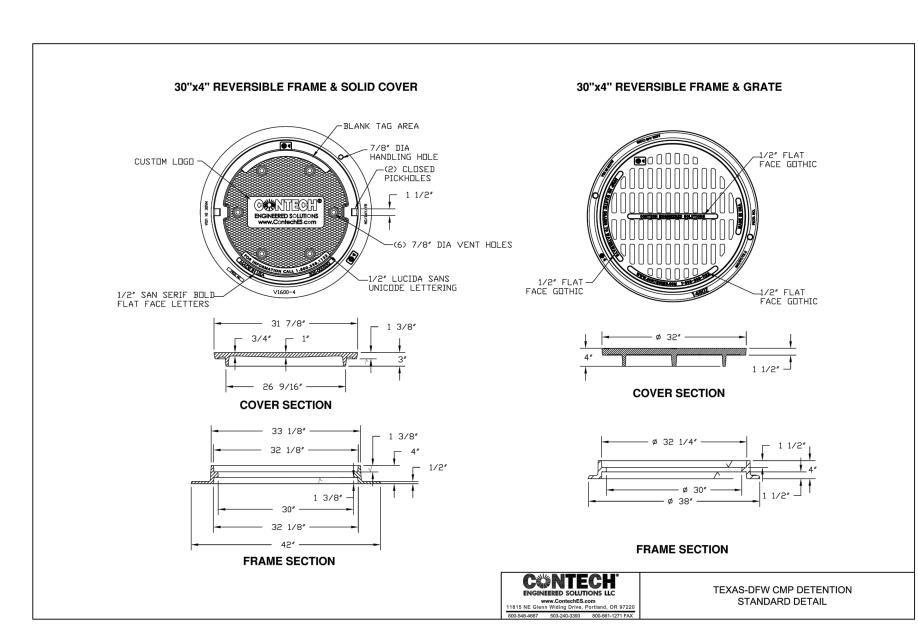


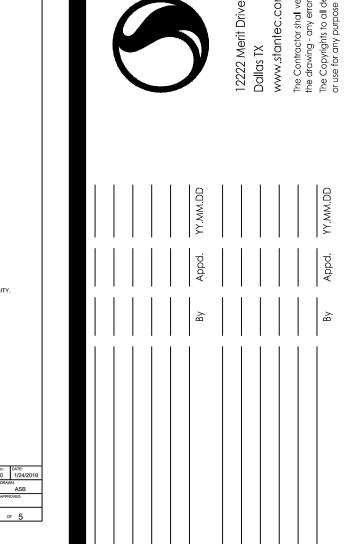












PARTNERS

CAWLEY - FOURTEEN555 F 14555 DALLAS PARKWAY TOWN OF ADDISON, DALLAS CC

7

Permit-Seal



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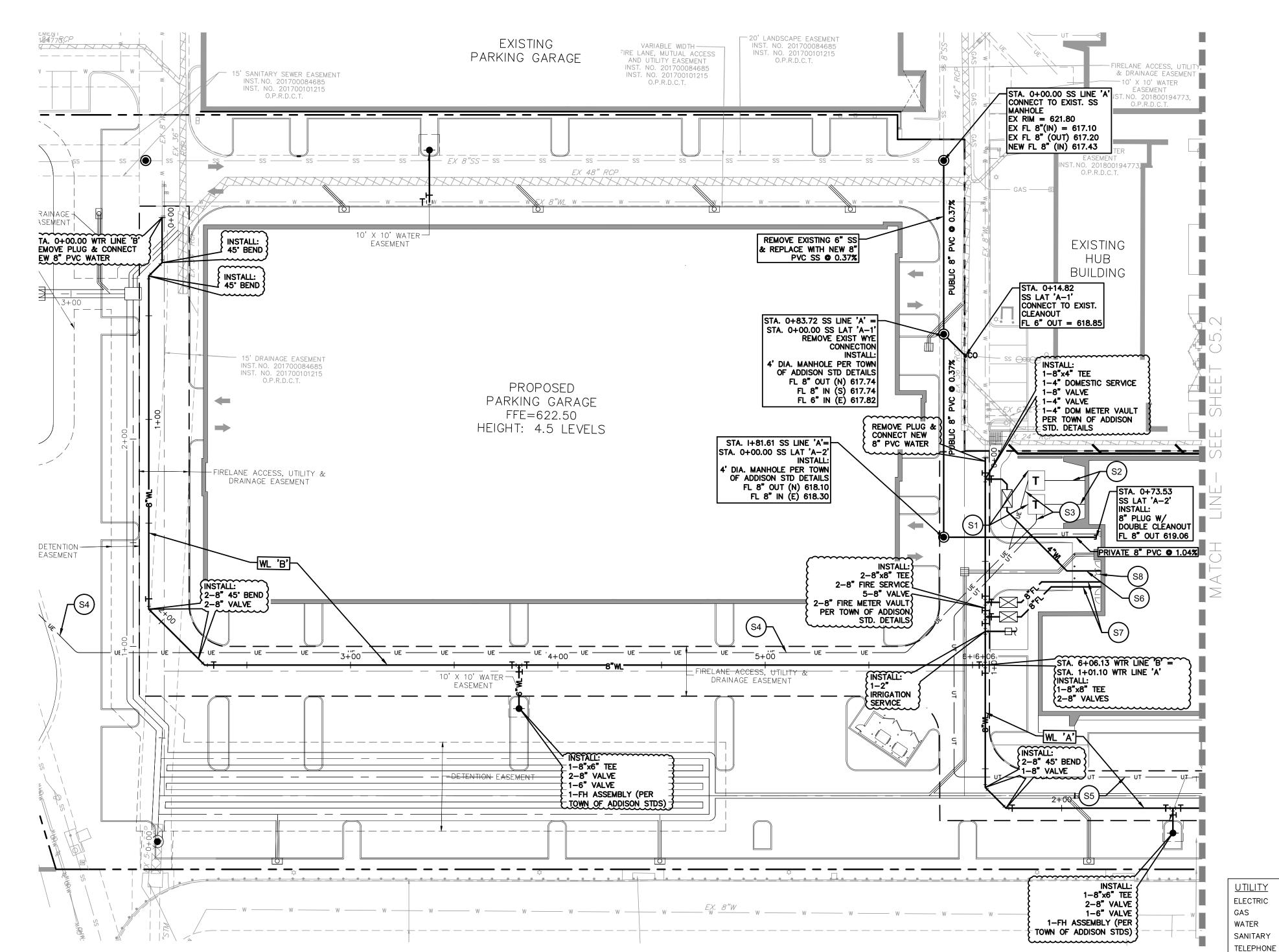
 Dwn.
 Chkd.
 Dsgn.
 YY.MM.DD
 Drawing No. C6.8 Revision

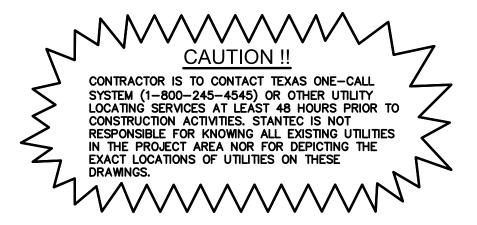
ORIGINAL SHEET - ANSI D

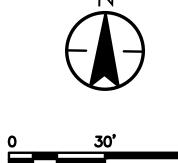
C4.8 ____

SITE UTILITY NOTES

- CONTRACTOR SHALL PROVIDE AND CONSTRUCT CONCRETE TRANSFORMER PAD PER ONCOR ELECTRIC STANDARDS AND SPECIFICATIONS. ONCOR TO PROVIDE PAD MOUNTED TRANSFORMER WITH 277V/480V, 3 PHASE, 4 WIRE SECONDARY. VERIFY EXACT LOCATION WITH ONCOR AND OWNER PRIOR TO ROUGH-ON. CONTRACTOR SHALL CONTACT ONCOR FOR ALL SPECIFICATIONS AND STANDARDS.
- PROPOSED ROUTING OF ELECTRICAL SECONDARY. CONTRACTOR SHALL PROVIDE AND INSTALL (3) 4" SCHEDULE 40 PVC CONDUITS WITH CONDUCTORS FROM TRANSFORMER TO PROPOSED METER CAN. CONTRACTOR SHALL VERIFY EXACT LOCATION AND REQUIREMENTS WITH ONCOR AND OWNER PRIOR TO ROUGH IN.
- ONCOR SHALL PROVIDE AND INSTALL (2) METER CANS. METERS WILL BE LOCATED ON TRANSFORMERS. CONTRACTOR SHALL VERIFY EXACT LOCATION AND REQUIREMENTS WITH ONCOR AND OWNER PRIOR TO ROUGH IN. ONCOR WILL SET METER ONCE REQUIREMENTS HAVE BEEN MET.
- CONTRACTOR SHALL PROVIDE AND INSTALL (4) 4" PRIMARY CONDUITS WITH PULL STRINGS FROM EXISTING POWER POLE TO TRANSFORMER PRIMARY COMPARTMENT. PRIMARY CONDUIT SHALL BE INSTALLED AT A S4) DEPTH OF AS BELOW FINISHED GRADE. ALL 90° BENDS SHALL BE STEEL SWEEPING ELBOWS. ONCOR TO PROVIDE PRIMARY CONDUCTORS AND TERMINATIONS. CONTRACTOR SHALL CONTACT ONCOR FOR ALL SPECIFICATIONS AND STANDARDS.
- CONTRACTOR SHALL PROVIDE AND INSTALL (2) 4" SCHEDULE 40 PVC CONDUIT WITH PULL STRING FROM PROPERTY LINE TO WITHIN 5'0" OF BUILDING WALL FOR UNDERGROUND TELEPHONE SERVICES. ALL 90° BENDS SHALL BE SWEEPING ELBOWS. CAP, STAKE, AND LABEL END OF CONDUIT. TO BE EXTENDED TO INTERIOR TERMINAL BOARD DURING BUILDING CONSTRUCTION BY CONTRACTOR. AT&T TO PROVIDE CABLE AND TERMINATIONS. REFER TO SHEET 0E01.01 "ELECTRICAL SITE PLAN" FOR CONDUIT AND SLEEVE ROUTING.
- (S6) CONTRACTOR SHALL PROVIDE AND INSTALL PRIVATE 4" PVC DOMESTIC WATER SERVICE.
- (\$7) CONTRACTOR SHALL PROVIDE AND INSTALL 8" FIRE LINE (DR-14). SIZE OF LINE SHALL BE VERIFIED AND/OR MODIFIED BY SPRINKLER CONTRACTOR HYDRAULIC CALCULATIONS PRIOR TO INSTALLATION.
- (S8) CONTRACTOR SHALL PROVIDE FIRE DEPARTMENT CONNECTION ON BUILDING.







GENERAL NOTES - UTILITIES

- GENERAL CONSTRUCTION NOTES: REFER TO SHEET C1.1 "GENERAL CONSTRUCTION NOTES, LEGEND AND ABBREVIATIONS" FOR THE GENERAL CONSTRUCTION NOTES FOR THE PROJECT.
- 2. INSPECTION AND TESTING: THE CONTRACTOR SHALL COORDINATE INSPECTION AND TESTING WITH THE APPROPRIATE GOVERNING AUTHORITIES PRIOR TO BACKFILLING TRENCHES FOR ALL UTILITIES.
- TRENCH COMPACTION: THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING COMPACTION TO A MINIMUM OF 95% STANDARD PROCTOR IN AREAS OF PROPOSED AND FUTURE PAVEMENT AND ALL AREAS EXCAVATED AT THE BUILDING FOOTINGS FOR UTILITY SERVICE ENTRIES. TRENCHES WHICH LIE OUTSIDE THESE AREAS SHALL BE COMPACTED TO A MINIMUM OF 90% STANDARD PROCTOR.
- 4. CONFLICTS: 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 THE PIPE DEFLECTION AND JOINT STRESS ARE NOT EXCEEDED AND SO THAT ALL TCEQ REQUIRED CLEARANCES ARE MET.
- 5. CONNECTION TO EXISTING UTILITIES: THE CONTRACTOR SHALL VERIFY THE SIZE, TYPE, ELEVATION, CONFIGURATION, AND ANGULATION 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.
- 6. WATER METERS: THE CONTRACTOR SHALL ORDER BOTH DOMESTIC AND IRRIGATION METERS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION WITH THE TOWN OF ADDISON TO HAVE METERS INSTALLED IN BOXES AND CONNECTING PUBLIC TO PRIVATE WATER LINES.
- 7. PIPE COVER: TOP OF ALL WATER LINES SHALL BE INSTALLED WITH A MINIMUM COVER OF 48".
- HORIZONTAL BLOCKING: HORIZONTAL BLOCKING FOR WATER LINES HAS BEEN OMITTED FOR CLARITY, HOWEVER, BLOCKING SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE GOVERNING AUTHORITIES 'STANDARD DETAILS'.
- 9. THRUST BLOCKING: 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.
- 10. ADDITIONAL BENDS: 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.
- 11. POLYETHYLENE WRAP: ALL VALVES, DUCTILE IRON AND CAST IRON PIPE, FITTINGS AND SPECIALS SHALL BE POLYETHYLENE WRAPPED.
- 12. ADJUSTMENTS: THE CONTRACTOR IS RESPONSIBLE FOR ADJUSTING ALL MANHOLES, CLEANOUTS, VALVES, BOXES, VAULTS AND HYDRANTS TO FINAL GRADE. THE COST SHALL BE INCLUDED IN THE CONTRACT AMOUNT.
- 13. APPURTENANCES: ALL VALVES AND OTHER APPURTENANCES ON ALL FIRE PROTECTION LINES SHALL BE UL/FM APPROVED. THE COST SHALL BE INCLUDED IN THE CONTRACT AMOUNT.
- 14. FIRE PROTECTION WORK: ALL FIRE PROTECTION WORK MUST BE PERMITTED AND APPROVED BY THE GOVERNING AUTHORITIES FIRE DEPARTMENT. THE CONTRACTOR SHALL CONDUCT ALL REQUIRED PRESSURE TESTS & BACTERIAL TESTS ON THE FIRE PROTECTION LINES TO THE SATISFACTION OF THE FIRE MARSHALL FOR THE GOVERNING AUTHORITY AS WELL AS THE DEVELOPERS' INSURANCE CARRIER.
- 15. SANITARY SEWER PIPE: ALL SEWER PIPE SHALL BE SDR-35, IN ACCORDANCE WITH ASTM SPECIFICATIONS D-3034 FOR 4" THROUGH 15", AND ASTM F-879 FOR 15" THROUGH 27".
- 16. WATER PIPE: ALL PUBLIC WATER MAINS 4 INCH THROUGH 12 INCH SHALL BE C-900 (DR - 18).

BENCHMARKS:

REFERENCE BENCHMARK: TOWN OF ADDISON CONTROL POINT NO. COA-14 LOCATED 1,730' SOUTH EAST FROM THE INTERSECTION OF LANDMARK PLACE AND LANDMARK BOULEVARD THEN 40.6' WEST OF STREET SIGN, 8.15' NORTH OF CHAINLINK FENCE AND 70.5' EAST OF STREET SIGN. ELEVATION = 623.19'

SITE BENCHMARK:

UTILITY COMPANY CONTACTS:

AT&T: BRETT LAMM (972) 470-5916

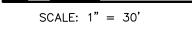
ONCOR: KAREN EASTMAN (817) 355-7050

ATMOS: BRANDON BALL (972) 360-4428

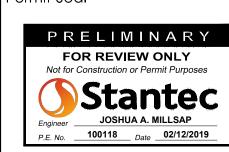
TOWN OF ADDISON: JASON SHROYER (972) 450-2871

TOWN OF ADDISON: JASON SHROYER (972) 450-2871

3-1/4" ALUMINUM DISK IN STAMPED "STANTEC" FOUND LOCATED APPROXIMATELY 1000' WEST FROM THE CENTERLINE OF THE SOUTHBOUND SERVICE ROAD OF THE DALLAS NORTH TOLLWAY, APPROXIMATELY 730' SOUTH FROM THE CENTERLINE OF LANDMARK BOULEVARD. POINT ALSO BEING THE SOUTHWEST CORNER OF SUBJECT TRACT. ELEVATION = 616.60'



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Project Number: 222011532

File Name: 11532_c2_001_up.dwg JM JM 19.02.12 Chkd. Dsgn. YY.MM.DD Drawing No. C5.1

Revision

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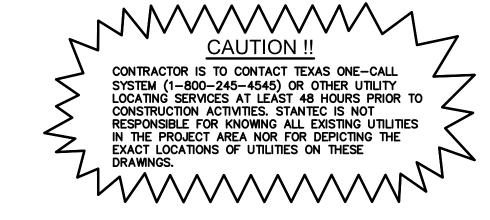
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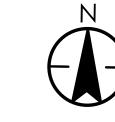
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SITE UTILITY NOTES

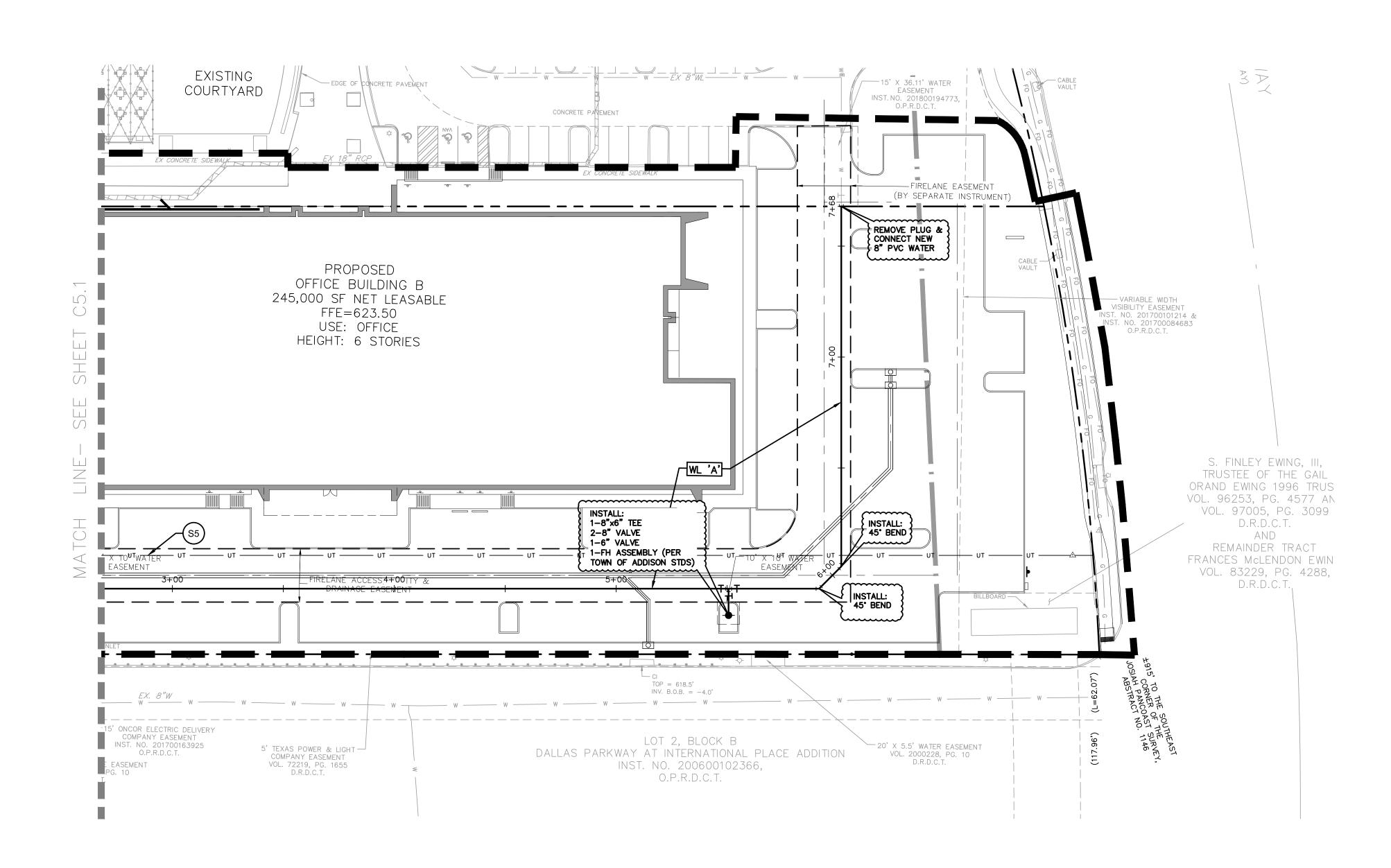
- CONTRACTOR SHALL PROVIDE AND CONSTRUCT CONCRETE TRANSFORMER PAD PER ONCOR ELECTRIC STANDARDS AND SPECIFICATIONS. ONCOR TO PROVIDE PAD MOUNTED TRANSFORMER WITH 277V/480V, 3 PHASE, 4 WIRE SECONDARY. VERIFY EXACT LOCATION WITH ONCOR AND OWNER PRIOR TO ROUGH—ON. CONTRACTOR SHALL CONTACT ONCOR FOR ALL SPECIFICATIONS AND STANDARDS.
- PROPOSED ROUTING OF ELECTRICAL SECONDARY. CONTRACTOR SHALL PROVIDE AND INSTALL (3) 4" SCHEDULE 40 PVC CONDUITS WITH CONDUCTORS FROM TRANSFORMER TO PROPOSED METER CAN. CONTRACTOR SHALL VERIFY EXACT LOCATION AND REQUIREMENTS WITH ONCOR AND OWNER PRIOR TO ROUGH IN.
- ONCOR SHALL PROVIDE AND INSTALL (2) METER CANS. METERS WILL BE LOCATED ON TRANSFORMERS. CONTRACTOR SHALL VERIFY EXACT LOCATION AND REQUIREMENTS WITH ONCOR AND OWNER PRIOR TO ROUGH IN. ONCOR WILL SET METER ONCE REQUIREMENTS HAVE BEEN MET.
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<u>UTILITY</u>

ELECTRIC

SANITARY

TELEPHONE

GAS

WATER

UTILITY COMPANY CONTACTS:

AT&T: BRETT LAMM (972) 470-5916

ONCOR: KAREN EASTMAN (817) 355-7050

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PRELIMINARY
FOR REVIEW ONLY
Not for Construction or Permit Purposes
Stantec
EngineerJOSHUA A. MILLSAP
P.E. No. 100118 Date 02/12/2019

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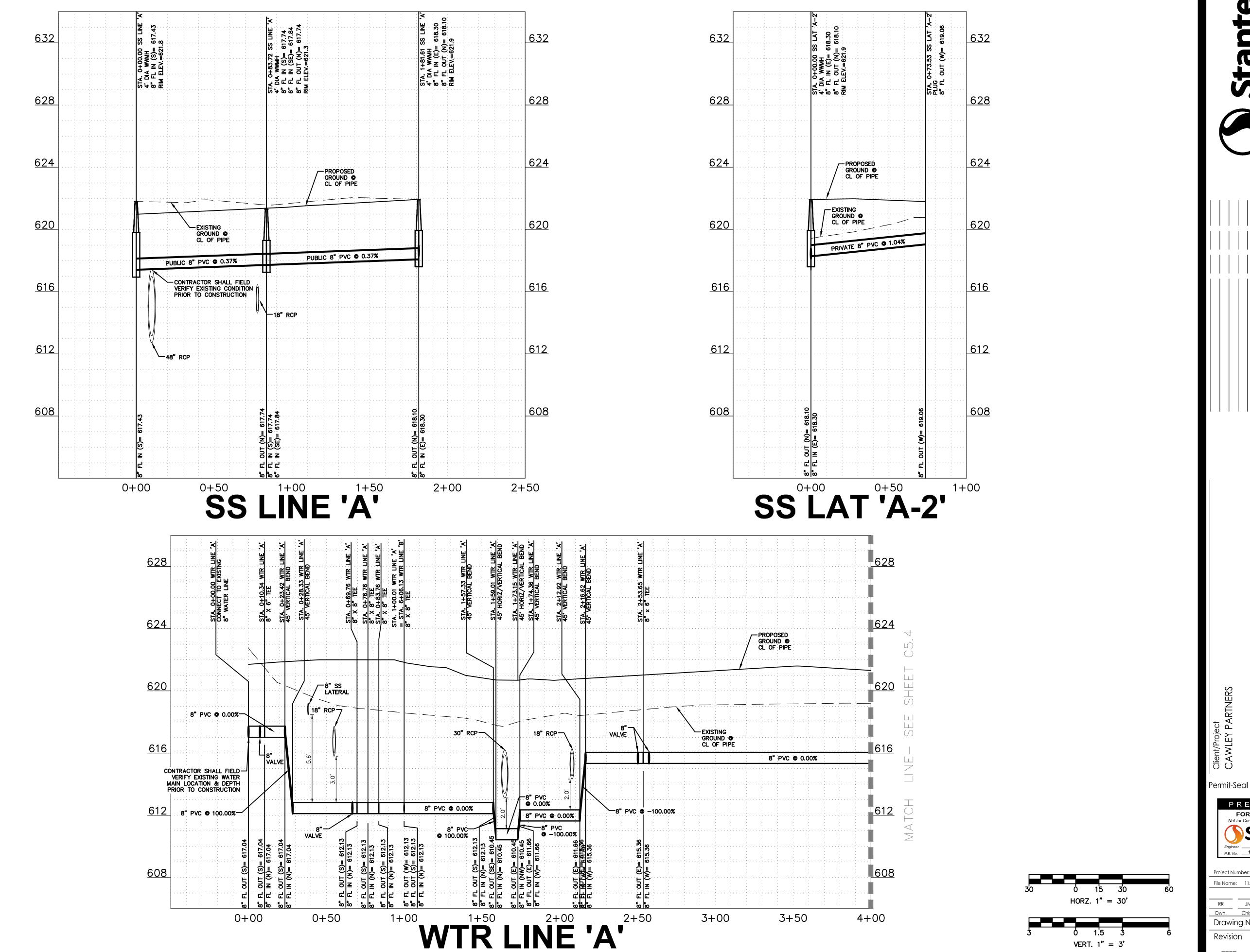
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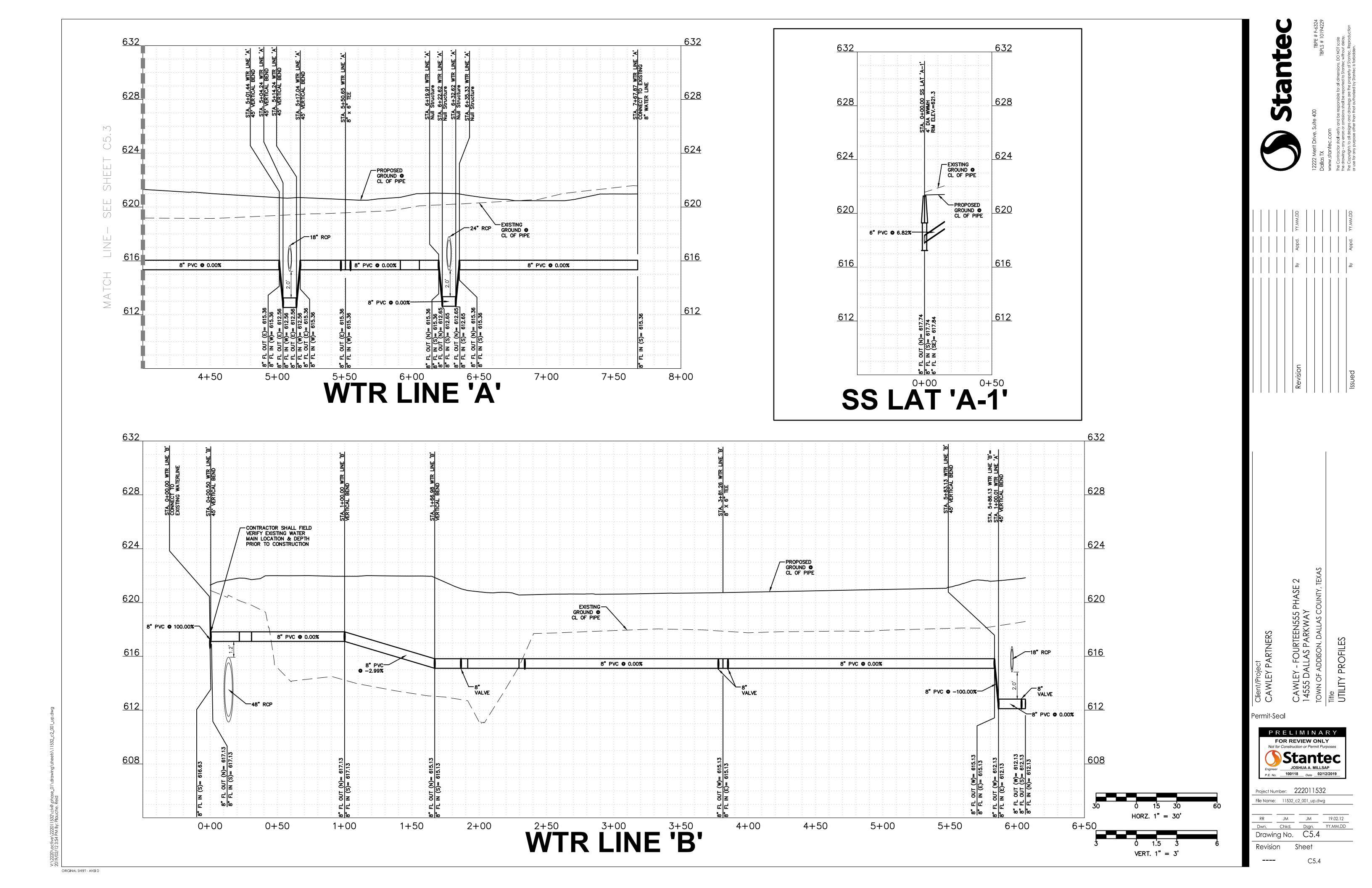


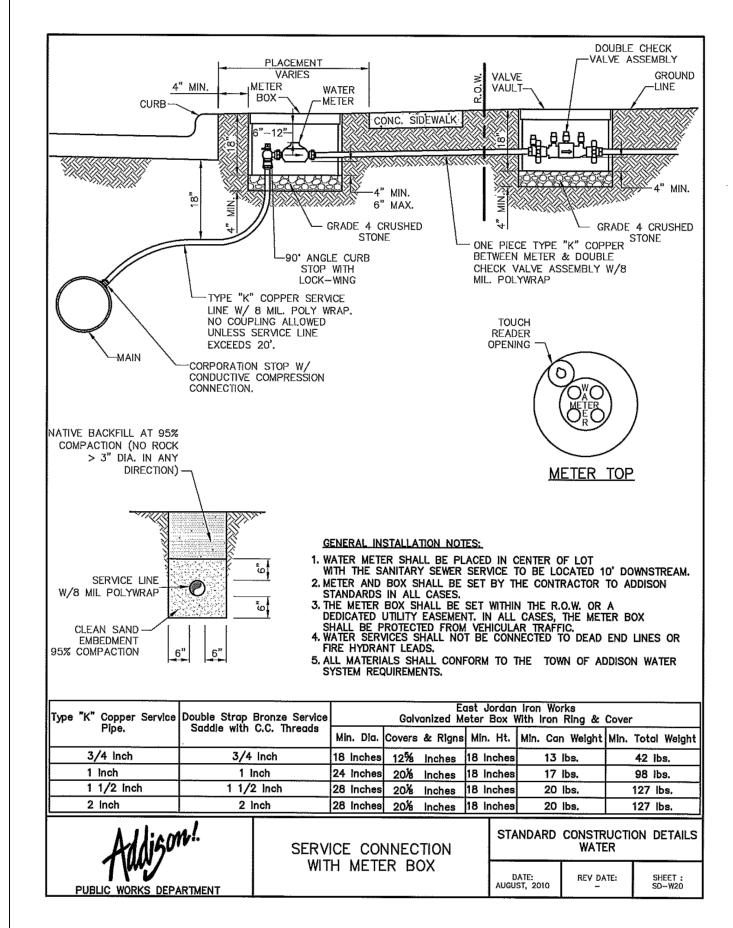
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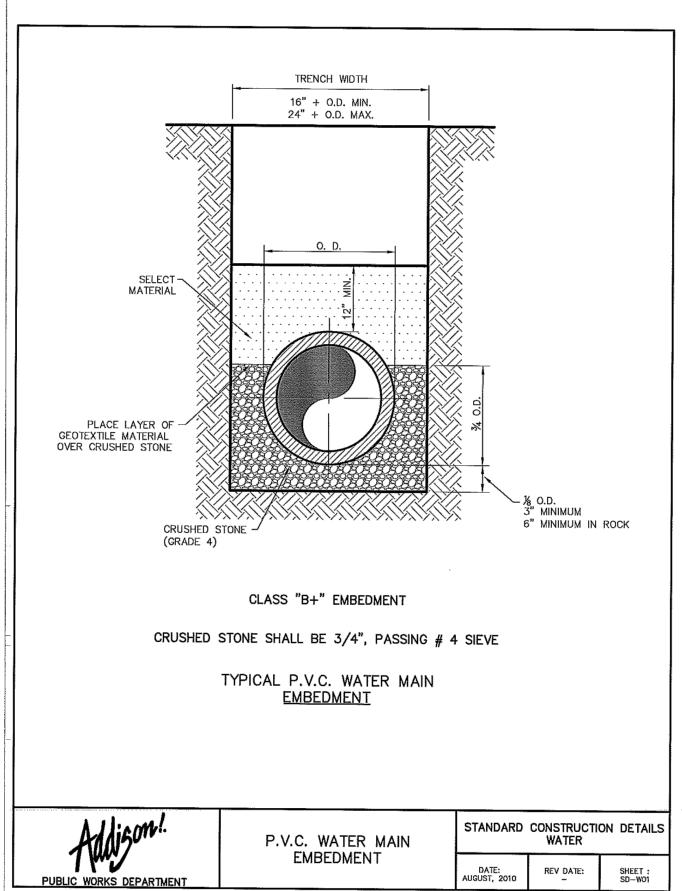
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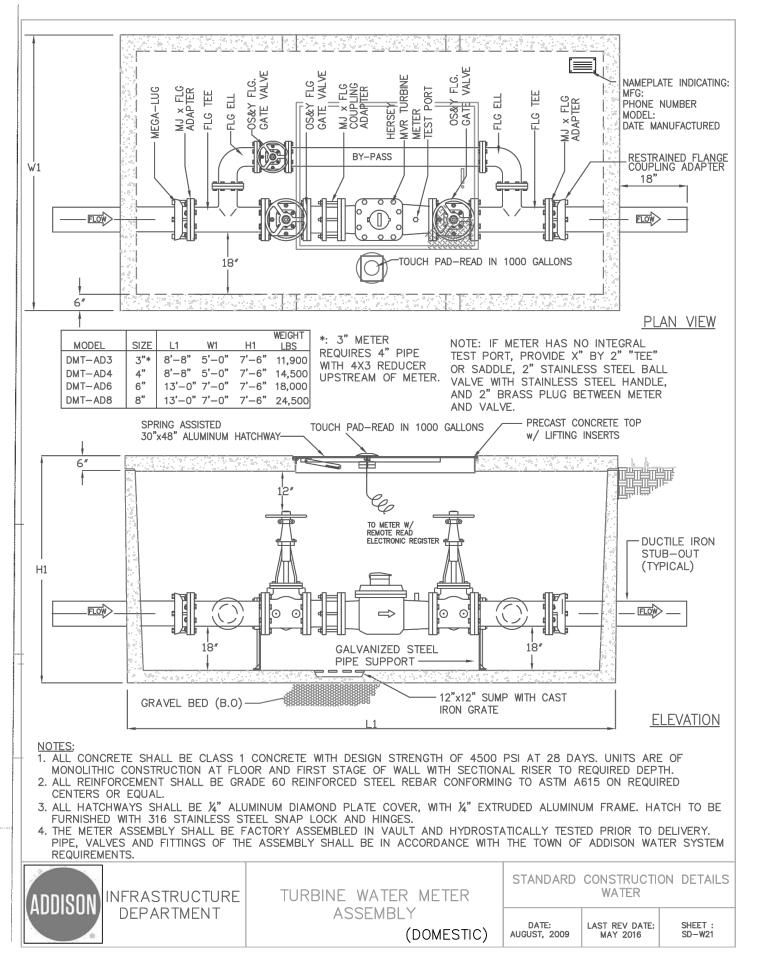
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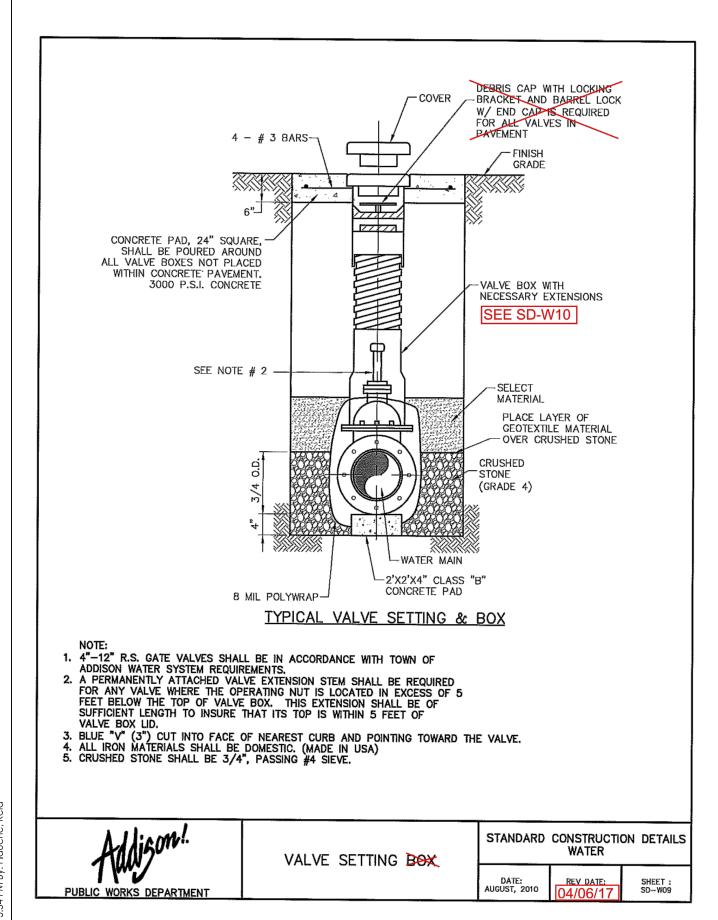
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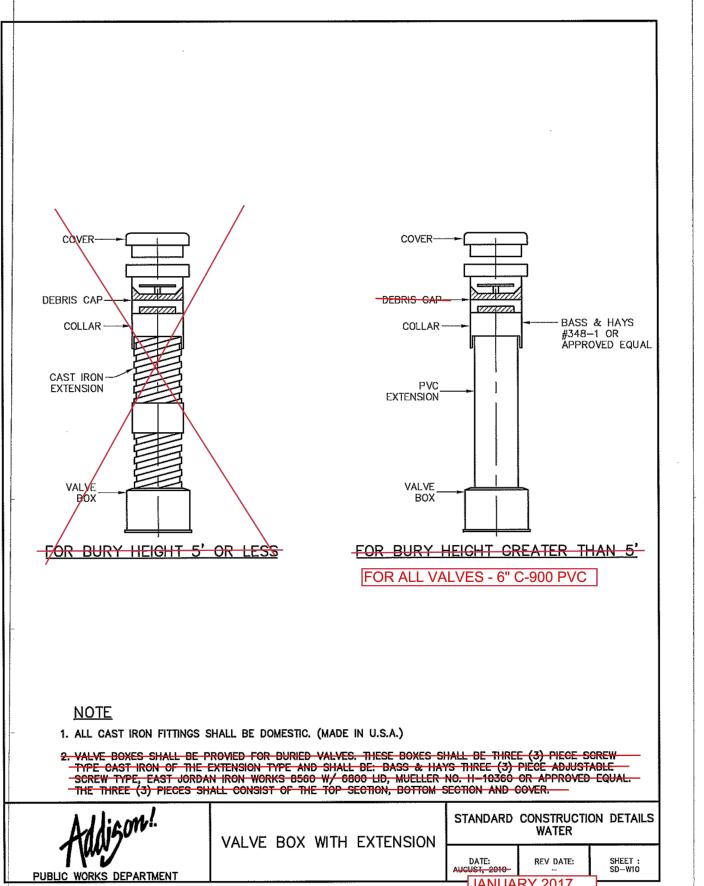


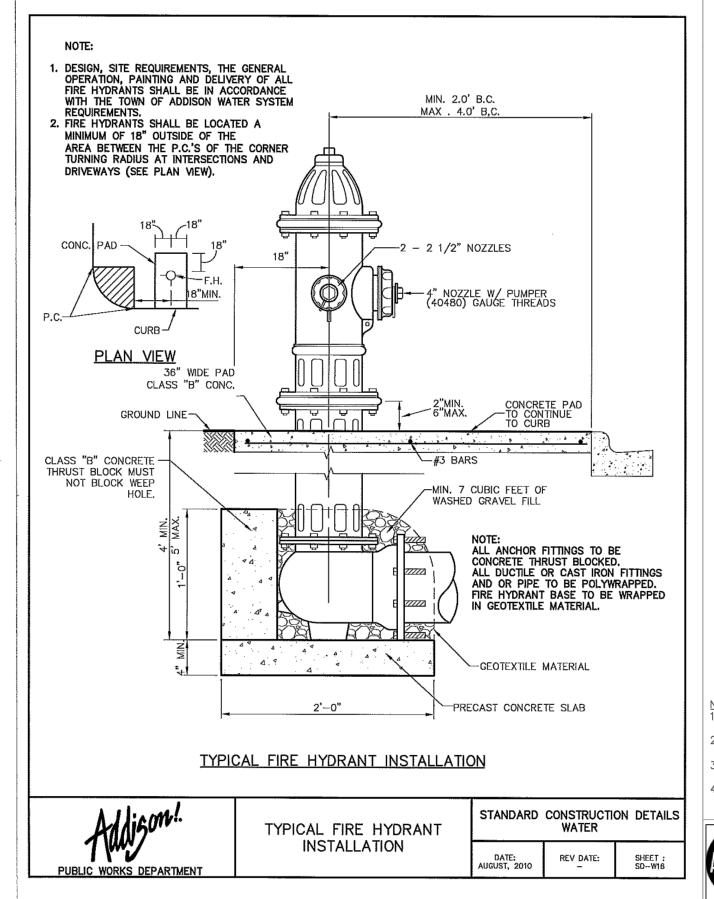


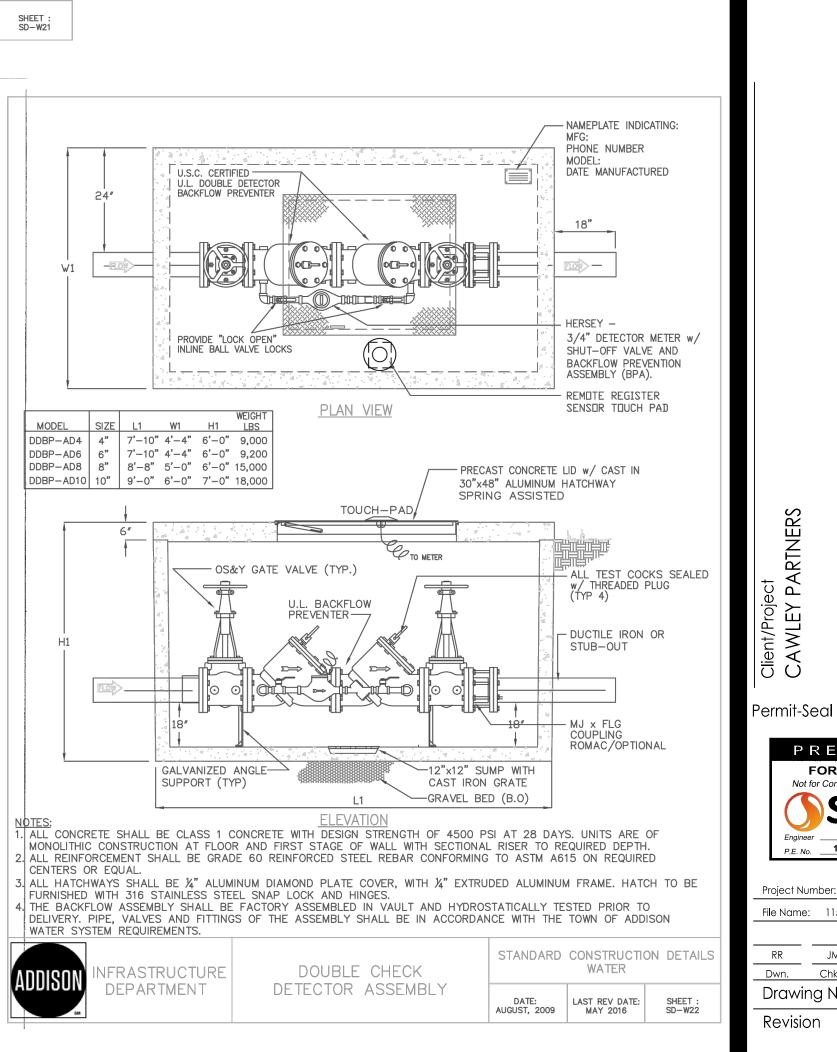


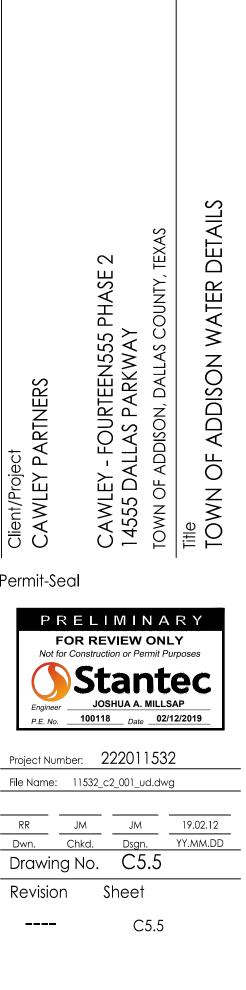


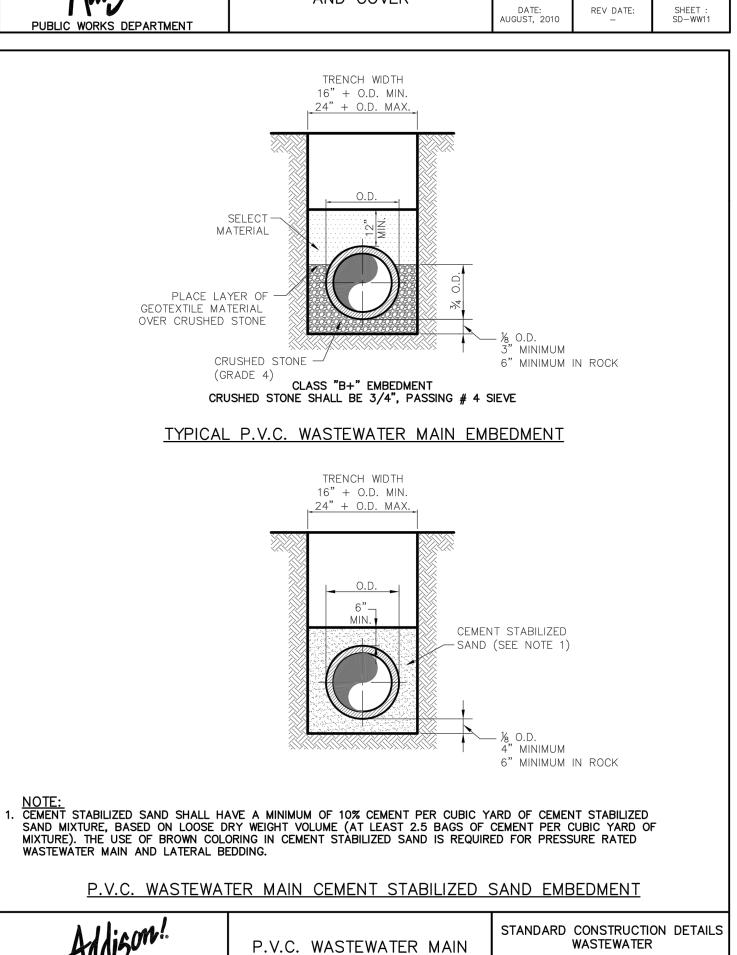








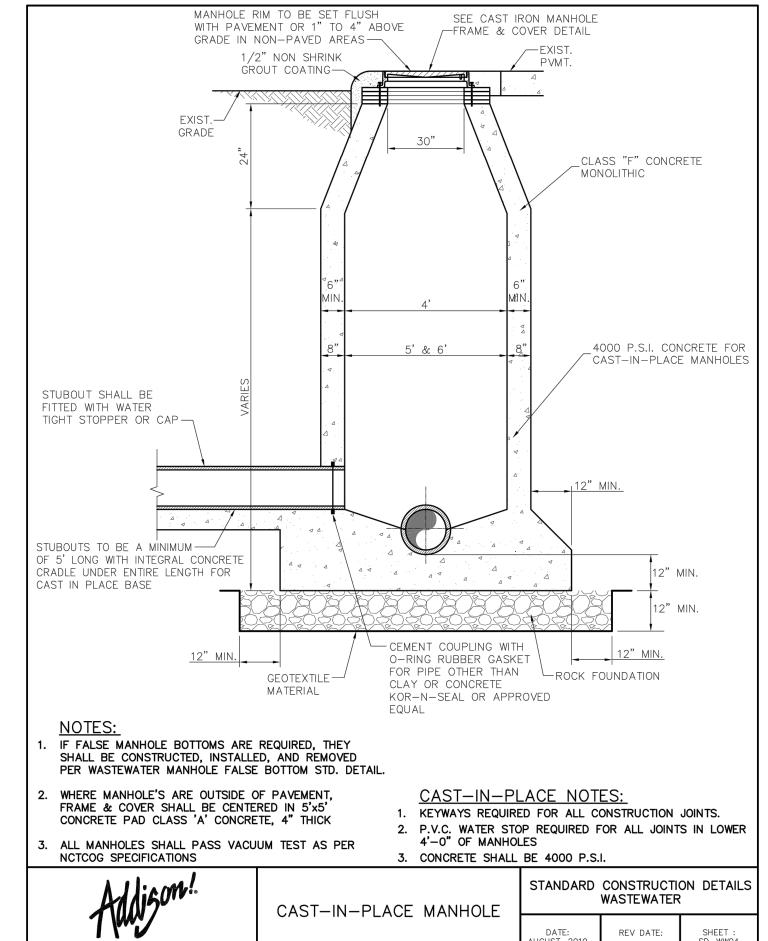


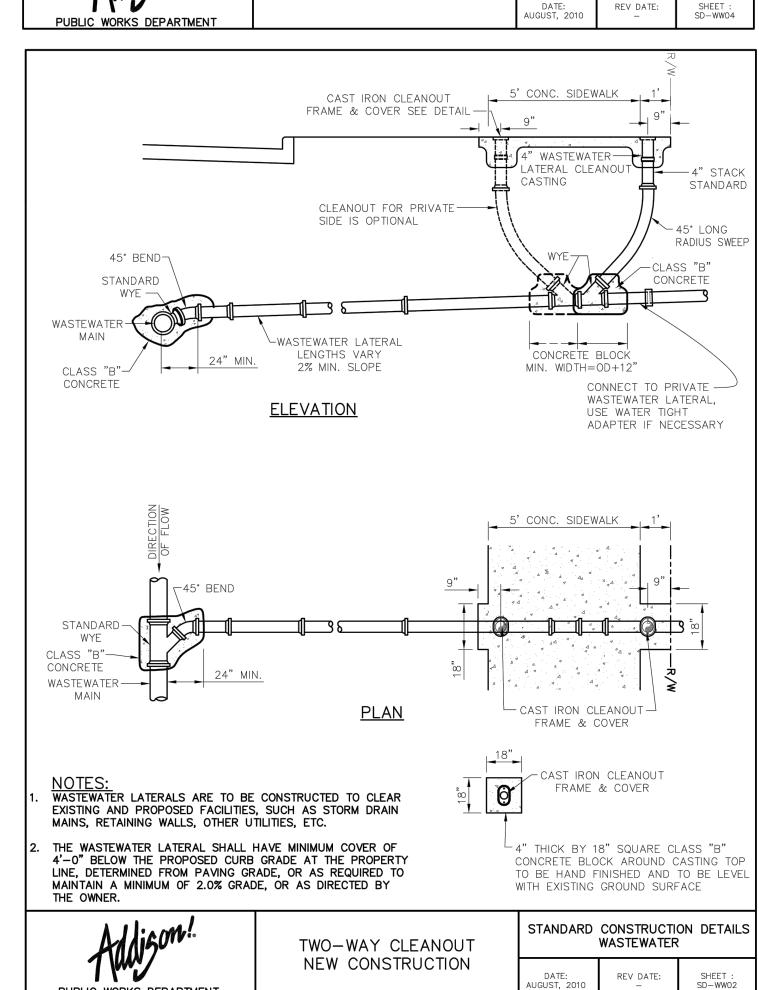


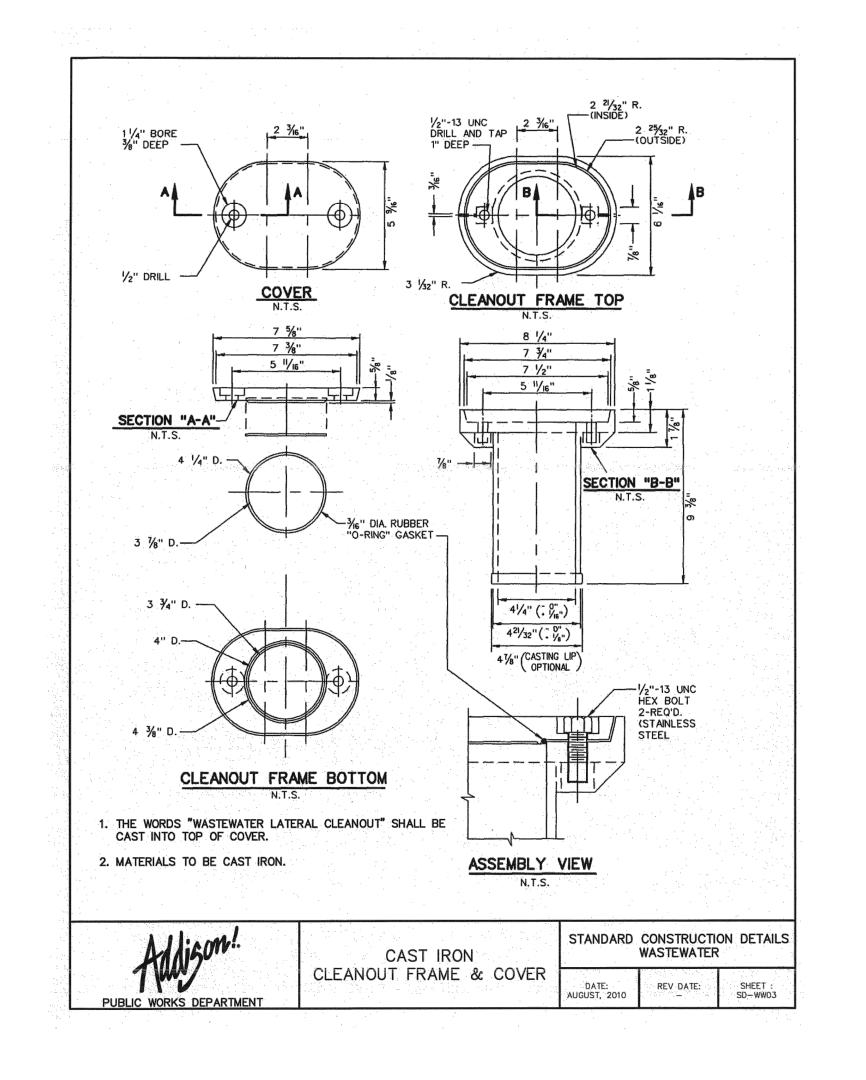
EMBEDMENT

PUBLIC WORKS DEPARTMENT

REV DATE:









CAWLEY - FOURTEEN555 14555 DALLAS PARKWAY CAWLEY PARTNERS

Permit-Seal



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GENERAL NOTES- PAVING

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- 1. GENERAL CONSTRUCTION NOTES: REFER TO SHEET C1.1 "GENERAL CONSTRUCTION NOTES, LEGEND AND ABBREVIATIONS" FOR THE GENERAL CONSTRUCTION NOTES FOR THE PROJECT.
- 2. PROTECTION OF EXISTING IMPROVEMENTS: THE CONTRACTOR SHALL TAKE CARE NOT TO DISTURB EXISTING UTILITIES, BUILDING FOUNDATION OR OTHER SITE STRUCTURES DURING PAVEMENT OPERATIONS.
- 3. SUBGRADE PREPARATION: SUBGRADE SHALL BE SCARIFIED TO A DEPTH OF SIX INCHES (8") AND SHALL BE RECOMPACTED TO A (MIN.) OF 98% OF THE STANDARD PROCTOR (ASTM -D698) MAXIMUM DRY DENSITY AT A MOISTURE CONTENT WITHIN -1 TO +2% ABOVE OPTIMUM MOISTURE CONTENT. REFER TO GEOTECHNICAL REPORT AND SUPPLEMENTS BY ALLIANCE GEOTECHNICAL GROUP, REPORT NO. E16-1106, DATED DECEMBER 12, 2016.

PREPARATION OF THE SUBGRADE FOR PAVING WITHIN RIGHT-OF-WAY, ACCESS EASEMENTS AND/OR FIRE LANES SHALL NOT BE INITIATED UNTIL ALL TESTING OF UNDERGROUND UTILITIES HAS BEEN COMPLETED AND VERIFIED TO MEET THE GOVERNING AUTHORITIES' SPECIFICATIONS AND AUTHORIZATION TO PROCEED HAS BEEN RECEIVED FROM THE INSPECTOR.

PAVEMENT SUBGRADE SHALL NOT BE ALLOWED TO RETAIN WATER. WET MATERIAL SHALL BE REMOVED TO DRY, SOUND MATERIAL AND APPROPRIATE DENSITY ACHIEVED PRIOR TO PAVING OPERATIONS.

- 4. PROOF-ROLL SUBGRADE: 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.
- 5. HYDRATED LIME: HYDRATED LIME (IF REQUIRED) SHALL MEET THE REQUIREMENTS OF TXDOT ITEM 260, LIME TREATMENT USED AS SUBGRADE. LIME SHALL BE APPLIED AT THE RATE STATED IN THE GEOTECHNICAL REPORT, THOROUGHLY MIXED AND BLENDED WITH THE TOP 6" OF SUBGRADE AND UNIFORMLY COMPACTED TO A MINIMUM OF 95 PERCENT OF STANDARD PROCTOR (ASTM D698) AND 0 TO +4% OF OPTIMUM MOISTURE CONTENT 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.

┌S 89°07'22" W

10' X 10' WATER-

CONCRETE PAVEMENT

LIGHT DUTY

CONCRETE PAVEMENT

10' K 10' WATER 0,1

- DETENTION EASEMENT

CONCRETE PAVEMENT

FIRE LANE PAVEMENT

EASEMENT

CONCRETE PAVEMENT

EXISTING

PARKING GARAGE

PROPOSED

PARKING GARAGE

FFE=622.50

HEIGHT: 4.5 LEVELS

CONCRETE PAVEMENT

CONCRETE PAVEMENT

LIGHT DUTY CONCRETE PAVEMENT____

MEDIUM DUTY

CONCRETE PAVEMENT

CONCRETE PAVEMENT

CONCRETE PAVEMENT

6. SAND CUSHION PROHIBITED: THE USE OF SAND CUSHION UNDER PAVEMENT, INCLUDING SIDEWALKS, IS STRICTLY PROHIBITED.

CONCRETE

PAVEMENT

-FIRELANE ACCESS, UTILITY & DRAINAGE EASEMENT

LIGHT DUTY

CONCRETE

LIGHT DUTY

CONCRETE

PAVEMENT

MEDIUM DUTY

CONCRETE PAVEMENT

CONCRETE PAVEMENT

- REINFORCING BARS: ALL REINFORCING BARS SHALL BE GRADE 40 KSI DEFORMED REINFORCING STEEL. SIZE AND SPACING SHALL BE IN ACCORDANCE WITH THE DETAILS, PAVING LEGEND AND CITY OF PLANO STANDARDS...
- 8. BAR CHAIRS: 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 SUPPORT.
- 9. CONNECTION TO EXISTING PAVEMENT: WHERE PROPOSED PAVEMENT TO EXISTING PAVEMENT IS TO BE CONSTRUCTED BY THE CONTRACTOR, AT LEAST 15" OF REINFORCING STEEL SHALL BE EXPOSED FROM THE EXISTING PAVEMENT, OR THE CONTRACTOR SHALL PROVIDE HORIZONTAL DOWEL BARS PER THE DETAILS.
- 10. TEMPERATURE CONDITIONS FOR CONCRETE PLACEMENT: CONCRETE SHALL NOT BE PLACED WHEN THE TEMPERATURE IS BELOW 40 DEGREES FAHRENHEIT AND FALLING, BUT MAY BE PLACED WHEN TEMPERATURE IS ABOVE 35 DEGREES FAHRENHEIT AND RISING. THE TEMPERATURE READING SHALL BE TAKEN IN THE SHADE AND AWAY FROM ARTIFICIAL HEAT.
- 11. CONCRETE PAVEMENT CURING: 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 TEXAS HIGHWAY DEPARTMENT STANDARD SPECIFICATIONS ITEM #526.
- 12. TESTING: SAMPLES FOR STRENGTH TESTS OF THE CONCRETE PAVEMENT WILL BE TAKEN BY THE GEOTECHNICAL ENGINEER TO VERIFY DESIGN STRENGTH. PAVEMENT AREAS FOUND TO BE DEFICIENT IN STRENGTH SHALL BE REMOVED AND REPLACED SOLELY AT THE EXPENSE OF THE CONTRACTOR. THE GEOTECHNICAL ENGINEER SHALL ALSO RANDOMLY CORE THE PAVEMENT TO VERIFY THE THICKNESS OF CONCRETE. ANY AREA FOUND TO BE DEFICIENT IN THICKNESS SHALL BE REMOVED AND REPLACED SOLELY AT THE EXPENSE OF THE CONTRACTOR.
- 13. SIDEWALKS AND RAMPS: CONSTRUCTION OF SIDEWALKS, WHEELCHAIR RAMPS AND ACCESSIBLE ROUTES SHALL BE IN ACCORDANCE WITH THE TEXAS ACCESSIBILITY STANDARDS (TAS) AND THE AMERICANS DISABILITY ACT (ADA) & PROWAG (2011).
- 14. PAVEMENT MARKINGS: 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 GOVERNING AUTHORITIES' REQUIREMENTS. ALL HANDICAP SYMBOLS, SIGNAGE AND PAVEMENT MARKINGS SHALL COMPLY WITH TAS, ADA STANDARDS & PROWAG (2011).

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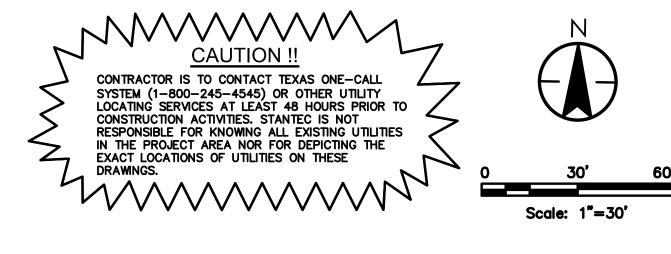
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CONCRETE PAVEMENT

CONCRETE PAVEMENT

FIRELANE ACC FIRE LANE PAVEMENT

AGE LASEMENT



GENERAL NOTES- PAVEMENT JOINTING

1. PAVEMENT JOINT LAYOUT: THE CONTRACTOR WILL BE RESPONSIBLE FOR PREPARATION OF THE PLAN AND SUBMITTAL TO THE ENGINEER FOR REVIEW. THE CONTRACTORS' JOINT LAYOUT PLAN SHALL BE PROVIDED TO THE ENGINEER FOR REVIEW A MINIMUM OF 2 WEEKS PRIOR TO BEGINNING PAVING CONSTRUCTION.

2. SAW CUTTING: SAW CUTTING SHALL BE DONE WITHIN EIGHT (8) HOURS OF POUR OR AS SOON AS CONCRETE CAN SUPPORT WEIGHT. THE CONTRACTOR SHALL MARK JOINT LOCATIONS AT THE CENTERLINE OF THE DOWEL LENGTH DURING HIS PAVING OPERATIONS. ALL SAWED JOINTS ARE TO BE TRUE IN ALIGNMENT AND SHALL CONTINUE THROUGH THE CURB. RADIAL JOINTS SHALL BE NO SHORTER THAN EIGHTEEN (18) INCHES.

- 3. JOINT SEALING: AFTER ALL CONCRETE CURES/ALL CONSTRUCTION JOINTS SHALL BE SAWN, CLEANED OF DEBRIS, DIRT, DUST, SCALE, CURING COMPOUND AND CONCRETE, BLOWN DRY AND IMMEDIATELY SEALED. JOINT SEALING MATERIAL SHALL BE SONNEBORN SL 2 OR AN APPROVED EQUAL
- 4. ODD SHAPED PANELS: 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.
- 5. EXPANSION JOINTS: THE CONTRACTOR SHALL PROVIDE AN EXPANSION JOINT AROUND THE PERIMETER OF ANY BLOCKOUT IN THE CONCRETE PAVING.

GENERAL NOTES- CONDUIT AND SLEEVING

- 1. GENERAL CONSTRUCTION NOTES: REFER TO SHEET C1.1 "GENERAL CONSTRUCTION NOTES. LEGEND AND ABBREVIATIONS" FOR THE GENERAL CONSTRUCTION NOTES FOR THE PROJECT.
- 2. PLACEMENT OF CONDUIT AND SLEEVES: ALL UNDERGROUND CONDUIT AND SLEEVES ARE TO BE PLACED BEFORE SITE PAVING CONSTRUCTION COMMENCES AND SHALL BE BURIED A MINIMUM OF 24" BELOW THE BOTTOM OF PAVEMENT, EXCEPT ELECTRICAL CONDUIT WHICH REQUIRE A MINIMUM COVER OF 36". ALL CONDUIT AND SLEEVES SHALL EXTEND TWO (2) FEET BEYOND THE BACK OF CURB OR EDGE OF SIDEWALK. TURN CONDUIT UPWARD AND CAP EACH CONDUIT 6" ABOVE FINISH GRADE. THE CONTRACTOR SHALL FURNISH DETAILED AS-BUILT LOCATION INFORMATION FOR ALL CONDUIT AND SLEEVES TO THE DEVELOPER.
- 3. TELEPHONE CONDUIT: FURNISH AND INSTALL TWO (2) 4" DIAMETER SCHEDULE 40 PVC TELEPHONE CONDUIT WITH PULL WIRES FROM THE SITE PROPERTY LINE TO 5' OUTSIDE THE BUILDING WALL AT THE TELEPHONE ROOM IN THE BUILDING. CONDUIT SHALL BE CAPPED AT BOTH ENDS. THE CONTRACTOR SHALL COORDINATE WITH THE LOCAL TELEPHONE COMPANY TO VERIFY THE EXACT LOCATION OF CONDUIT TO BE INSTALLED FOR THEIR USE. MARK LOCATIONS OF CONDUIT WITH #3 X 36" REBAR INSTALLED 2' INTO THE GROUND AT EACH END LOCATION.
- 4. ELECTRIC AND GAS CONDUIT: THE CONTRACTOR SHALL COORDINATE WITH THE LOCAL ELECTRIC AND GAS PROVIDER TO VERIFY THE EXACT SIZE, TYPE, NUMBER AND LOCATION OF CONDUIT AND/OR SLEEVING REQUIRED TO BE PROVIDED BY THE CONTRACTOR FOR GAS AND ELECTRIC FACILITIES TO SERVE THIS SITE. MARK LOCATIONS OF CONDUIT WITH #3 X 36" REBAR INSTALLED 2' INTO THE GROUND AT EACH END LOCATION.
- 5. SITE LIGHTING SIGNAGE CONDUIT: REFERENCE MEP PLANS FOR SITE LIGHTING AND ALL RELATED CONDUIT, WIRING, PULL BOXES, POLE BASES AND ASSOCIATED ELECTRICAL WORK TO BE COORDINATED AND/OR PROVIDED FOR BY THE CONTRACTOR PRIOR TO PAVING OPERATIONS.
- 6. IRRIGATION CONDUIT: ALL IRRIGATION CONDUIT AND SLEEVES SHALL BE SCHEDULE 40 PVC, INSTALLED WITH A MINIMUM OF 24" COVER. REFERENCE THE PAVING PLAN AND/OR LANDSCAPE PLANS FOR NUMBER OF CONDUIT, SIZE AND LOCATIONS OF PROPOSED IRRIGATION CONDUITS AND SLEEVES.
- 7. PULL WRES: ALL UNDERGROUND CONDUIT AND SLEEVES SHALL BE INSTALLED WITH PULL WIRES.
- 8. CONFLICTS: IN THE EVENT OF A CONFLICT BETWEEN CONDUIT AND STORM DRAIN AND/OR UTILITY PIPING, THE CONTRACTOR SHALL ADJUST CONDUIT DOWNWARD FOR CLEARANCE.

LEGEND

MEDIUM DUTY PAVEMENT: 7" 4,000 PSI REINFORCED CONCRETE PVMT. W/#3 BARS 18" O.C.E.W. ON 8" SCARIFIED AND COMPACTED SUBGRADE AT A MINIMUM OF 98% MAXIMUM STANDARD PROCTOR DRY DENSITY (ASTM D 698) WITHIN -1% TO +2% OF OPTIMUM MOISTURE

DUMPSTER PAVEMENT:

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7" 4,000 PSI REINFORCED CONCRETE PVMT. W/#3 BARS @ 18" O.C.E.W. ON 8" SCARIFIED AND COMPACTED SUBGRADE AT A MINIMUM OF 98% MAXIMUM STANDARD PROCTOR DRY DENSITY (ASTM D 698) WITHIN -1% TO +2% OF OPTIMUM MOISTURE

5" 3,600 PSI REINFORCED CONCRETE PVMT. W/#3

CONTENT. **PARKING AREAS:**

BARS @ 18" O.C.E.W. ON 8" SCARIFIED AND COMPACTED SUBGRADE AT A MINIMUM OF 98% MAXIMUM STANDARD PROCTOR DRY DENSITY (ASTM D 698) WITHIN -1% TO +2% OF OPTIMUM MOISTURE CONTENT

PUBLIC SIDEWALK (DNT. FRONTAGE):

(3,000 PSI AT 28 DAYS) W/#3 BARS @ 18" O.C.E.W. ON COMPACTED SUBGRADE TO 98% AT -1% TO +2% OF OPTIMUM MOISTURE CONTENT. (ASTM D 698) FIRE LANE PAVEMENT:

6' WIDE, 5" REINFORCED CONCRETE SIDEWALK FLATWORK

7" 4,000 PSI REINFORCED CONCRETE PVMT. W/#3 BARS @ 18" O.C.E.W. ON 6" LIME STABILIZED SUBGRADE AT A MINIMUM OF 98% MAXIMUM STANDARD PROCTOR DRY DENSITY (ASTM D 698) WITHIN -1% TO +2% OF OPTIMUM MOISTURE CONTENT.

NOTE:

- REFER TO SHEET C6.2 FOR PAVING DETAILS.
- ALL ON-SITE PAVEMENT IS PRIVATE EXCEPT NOTED FIRE LANES.

SIDEWALK & FLATWORK (PRIVATE):

4" REINFORCED CONCRETE SIDEWALK FLATWORK (3,000 PSI AT 28 DAYS) W/#3 BARS @ 18" O.C.E.W. ON COMPACTED SUBGRADE TO 98% AT -1% TO +2% OF OPTIMUM MOISTURE CONTENT. (ASTM D 698)

FARMERS BRANCH HIKE & BIKE TRAIL

4" REINFORCED CONCRETE SIDEWALK FLATWORK (3,000 PSI AT 28 DAYS) W/#3 BARS @ 18" O.C.E.W. ON COMPACTED SUBGRADE TO 98% AT -1% TO +2% OF OPTIMUM MOISTURE CONTENT. (ASTM D 698)

SAWCUT, REMOVE AND DISPOSE OF EXISTING CURB, GUTTER & PAVEMENT

REFER TO SHEET C6.2 FOR SECTION DETAILS.

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REFERENCE BENCHMARK:

3-1/4" ALUMINUM DISK IN STAMPED "STANTEC" FOUND LOCATED SOUTHBOUND SERVICE ROAD OF THE DALLAS NORTH TOLLWAY, APPROXIMATELY 730' SOUTH FROM THE CENTERLINE OF LANDMARK BOULEVARD. POINT ALSO BEING THE SOUTHWEST CORNER OF SUBJECT TRACT ELEVATION = 616.60'

BENCHMARKS:

NORTH OF CHAINLINK FENCE AND 70.5' EAST OF STREET SIGN. ELEVATION = 623.19'SITE BENCHMARK: APPROXIMATELY 1000' WEST FROM THE CENTERLINE OF THE

TOWN OF ADDISON CONTROL POINT NO. COA-14 LOCATED 1,730'

SOUTH EAST FROM THE INTERSECTION OF LANDMARK PLACE AND LANDMARK BOULEVARD THEN 40.6' WEST OF STREET SIGN, 8.15'

C6.1

Drawing No. C6.1

Revision

7

PHASE

JRTEEN555 PARKWAY

FOU

PRELIMINARY

FOR REVIEW ONLY

P.E. No. ___100118__ Date __02/12/2019

Project Number: 222011532

File Name: 11532_c2_001_pv.dwg

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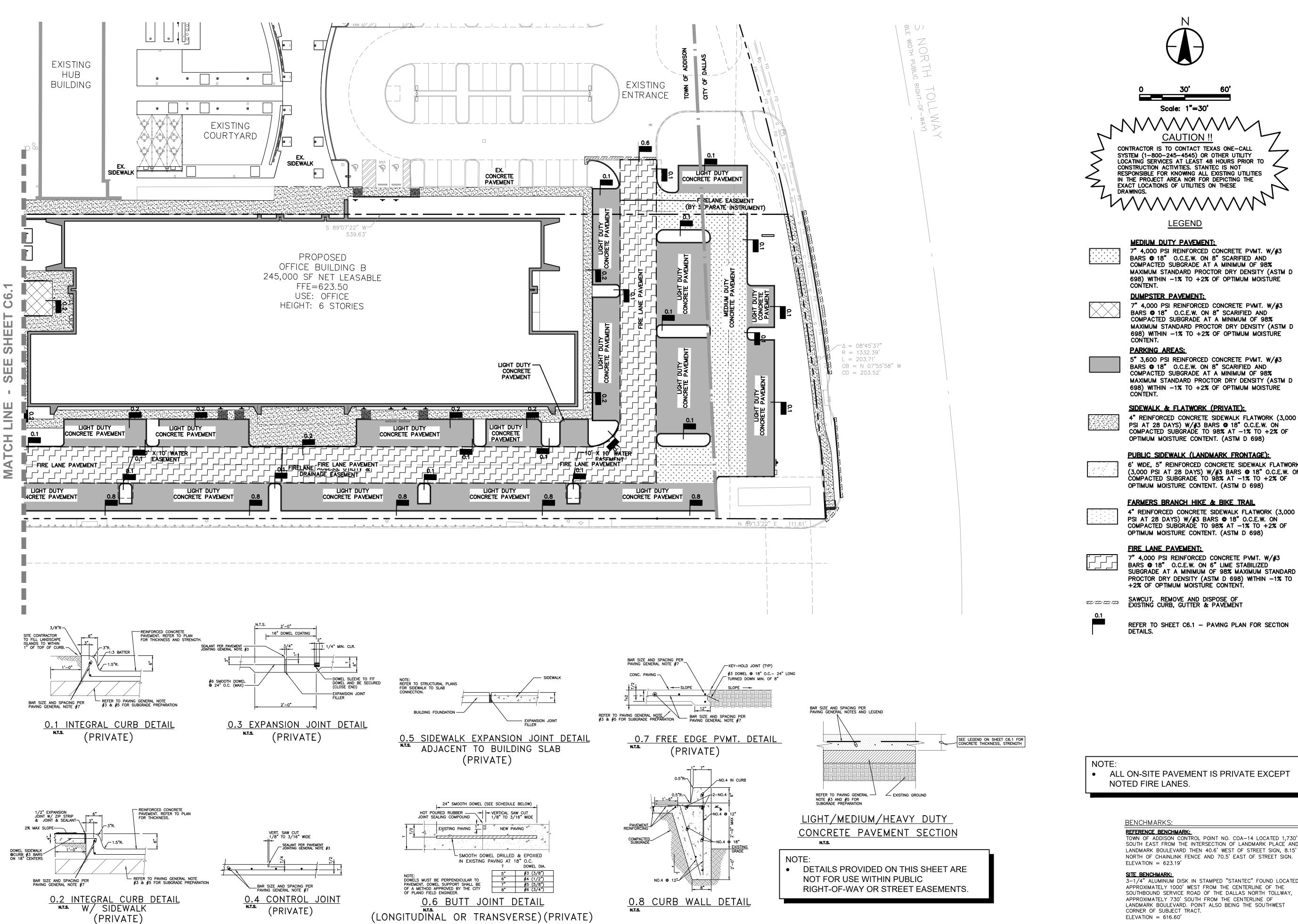
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ORIGINAL SHEET - ANSI D

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LOCATING SERVICES AT LEAST 48 HOURS PRIOR T RESPONSIBLE FOR KNOWING ALL EXISTING UTILITIES IN THE PROJECT AREA NOR FOR DEPICTING THE

> BARS @ 18" O.C.E.W. ON 8" SCARIFIED AND COMPACTED SUBGRADE AT A MINIMUM OF 98% MAXIMUM STANDARD PROCTOR DRY DENSITY (ASTM D 698) WITHIN -1% TO +2% OF OPTIMUM MOISTURE

MAXIMUM STANDARD PROCTOR DRY DENSITY (ASTM D 698) WITHIN -1% TO +2% OF OPTIMUM MOISTURE

BARS @ 18" O.C.E.W. ON 8" SCARIFIED AND

PSI AT 28 DAYS) W/#3 BARS @ 18" O.C.E.W. ON OPTIMUM MOISTURE CONTENT. (ASTM D 698)

6' WIDE, 5" REINFORCED CONCRETE SIDEWALK FLATWORK (3,000 PSI AT 28 DAYS) W/#3 BARS @ 18" O.C.E.W. ON COMPACTED SUBGRADE TO 98% AT -1% TO +2% OF

FARMERS BRANCH HIKE & BIKE TRAIL

4" REINFORCED CONCRETE SIDEWALK FLATWORK (3,000 PSI AT 28 DAYS) W/#3 BARS @ 18" O.C.E.W. ON COMPACTED SUBGRADE TO 98% AT -1% TO +2% OF

> SUBGRADE AT A MINIMUM OF 98% MAXIMUM STANDARD PROCTOR DRY DENSITY (ASTM D 698) WITHIN -1% TO

REFER TO SHEET C6.1 - PAVING PLAN FOR SECTION

TOWN OF ADDISON CONTROL POINT NO. COA-14 LOCATED 1,730' SOUTH EAST FROM THE INTERSECTION OF LANDMARK PLACE AND LANDMARK BOULEVARD THEN 40.6' WEST OF STREET SIGN, 8.15' NORTH OF CHAINLINK FENCE AND 70.5' EAST OF STREET SIGN.

3-1/4" ALUMINUM DISK IN STAMPED "STANTEC" FOUND LOCATED APPROXIMATELY 1000' WEST FROM THE CENTERLINE OF THE SOUTHBOUND SERVICE ROAD OF THE DALLAS NORTH TOLLWAY, APPROXIMATELY 730' SOUTH FROM THE CENTERLINE OF LANDMARK BOULEVARD. POINT ALSO BEING THE SOUTHWEST

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AWLEY PARTNERS



PHASE

SAWLEY - FOURTEEN555 4555 DALLAS PARKWAY

Project Number: 222011532

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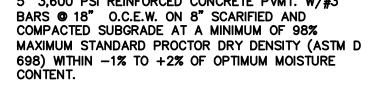
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 Drawing No. C6.2

C6.2

Revision

ORIGINAL SHEET - ANSI D

7" 4,000 PSI REINFORCED CONCRETE PVMT. W/#3 BARS @ 18" O.C.E.W. ON 8" SCARIFIED AND COMPACTED SUBGRADE AT A MINIMUM OF 98%



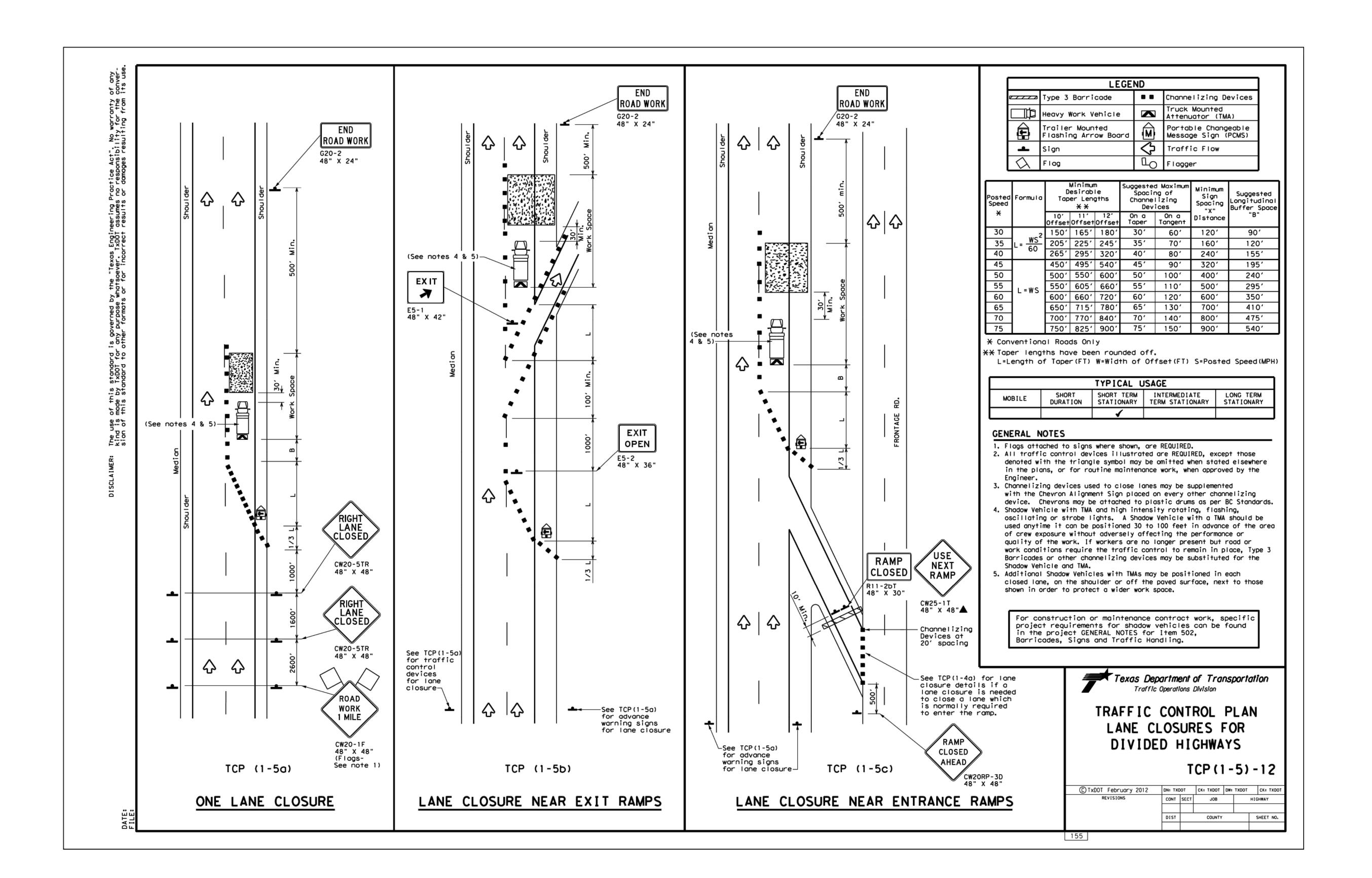
COMPACTED SUBGRÁDE TO 98% AT -1% TO +2% OF

PUBLIC SIDEWALK (LANDMARK FRONTAGE):

OPTIMUM MOISTURE CONTENT. (ASTM D 698)

OPTIMUM MOISTURE CONTENT. (ASTM D 698)

7" 4,000 PSI REINFORCED CONCRETE PVMT. W/#3 BARS @ 18" O.C.E.W. ON 6" LIME STABILIZED





CAWLEY - FOURTEEN555 PHASE 2
14555 DALLAS PARKWAY
TOWN OF ADDISON, DALLAS COUNTY, TEXA
Title
TRAFFIC CONTROL DETAILS

CAWLEY PARTNERS



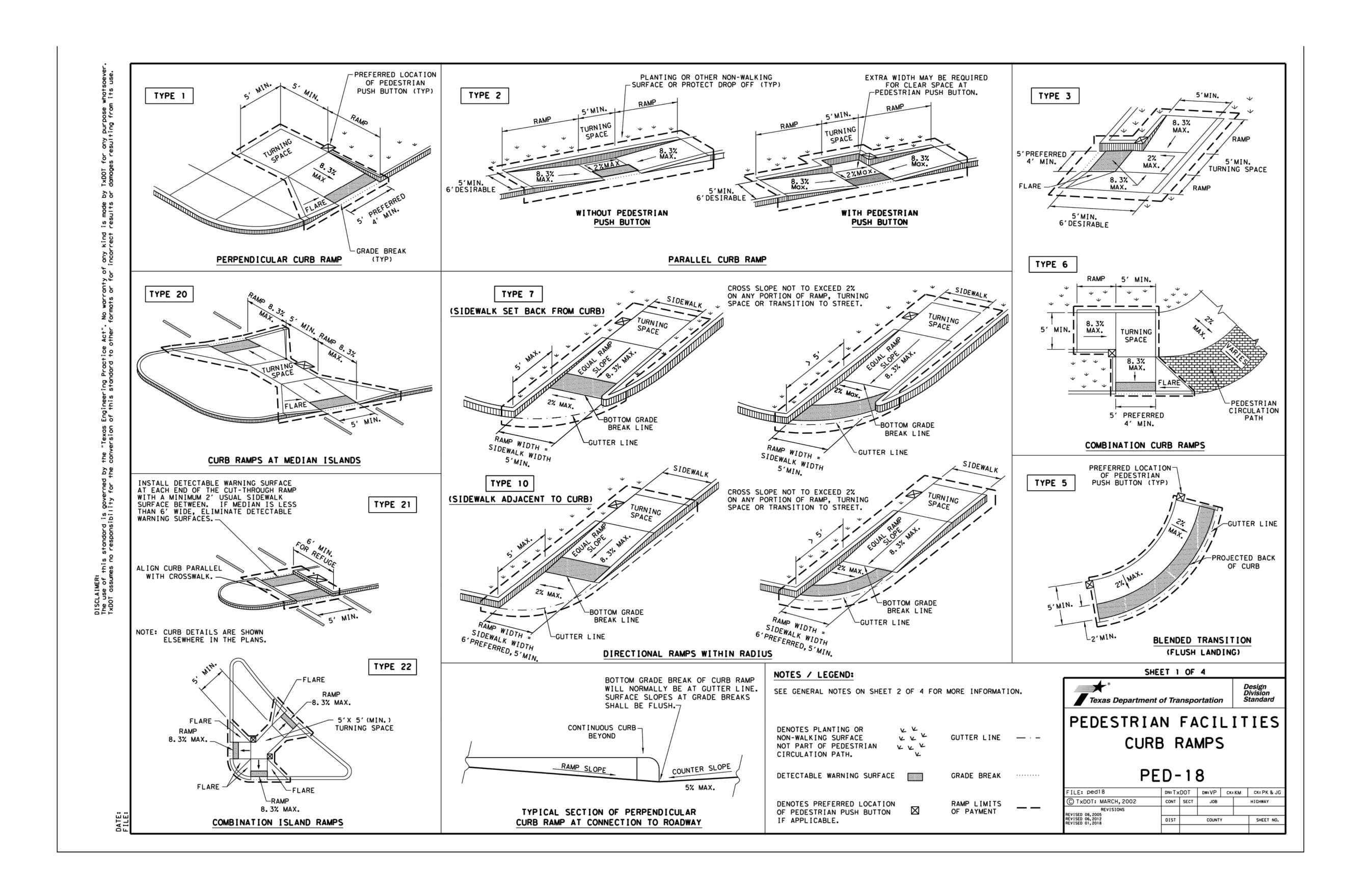
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CAWLEY - FOURTEEN555 PHASE 2 14555 DALLAS PARKWAY TOWN OF ADDISON, DALLAS COUNTY, TEX

CAWLEY PARTNERS



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Drawing No. C6.4Revision

GENERAL NOTES

CURB RAMPS

- 1. Install a curb ramp or blended transition at each pedestrian street crossing.
- 2. All slopes shown are maximum allowable. Cross slopes of 1.5% and lesser running should be used. Adjust curb ramp length or grade of approach sidewalks as directed.
- 3. Maximum allowable cross slope on sidewalk and curb ramp surfaces is 2%.
- 4. 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.
- 5. Turning Spaces shall be 5'x 5' minimum. Cross slope shall be maximum 2%.
- 6. Clear 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.
- 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 latest draft of the Proposed Guidelines for Pedestrian Facilities in the Public Right of Way (PROWAG) as published by the U.S. Architectural and Transportation Barriers Compliance Board (Access Board).
- 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. Provide curb ramps to connect the pedestrian access route at each pedestrian street crossing. Handrails are not required on curb ramps.
- 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. Furnish and install No. 3 reinforcing steel bars at 18" o.c. both ways, unless otherwise directed.
- 16. Provide a smooth transition where the curb ramps connect to the street.
- 17. 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.
- 18. Existing features that comply with applicable standards may remain in place unless otherwise shown on the plans.

DETECTABLE WARNING MATERIAL

- 19. Curb ramps must contain a detectable warning surface that consists of raised truncated domes complying with PROWAG. 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.
- 20. 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.
- 21. Detectable warning surfaces must be firm, stable and slip resistant.
- 22. Detectable warning surfaces shall be a minimum of 24 inches 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.
- 23. Detectable warning surfaces shall be located so that the edge nearest the curb line is at the back of curb and neither end of that edge is greater than 5 feet from the back of curb. Detectable warning surfaces may be curved along the corner radius.
- 24. Shaded areas on Sheet 1 of 4 indicate the approximate location for the detectable warning surface for each curb ramp type.

DETECTABLE WARNING PAVERS (IF USED)

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

SIDEWALKS

- 27. Provide clear ground space at operable parts, including pedestrian push buttons. Operable parts shall be placed within unobstructed reach range specified in PROWAG section R406.
- 28. 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.
- 29. Street grades and cross slopes shall be as shown elsewhere in the plans.
- 30. Changes in level greater than 1/4 inch are not permitted.
- 31. 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 five percent (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 PROWAG R409.
- 32. Handrail extensions shall not protrude into the usable landing area or into intersecting pedestrian routes.

DETECTABLE WARNING PAVER | PREFABRICATED DETECTABLE

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WARNING PANEL

OF DETECTABLE WARNING

- 33. 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".
- 34. Sidewalk details are shown elsewhere in the plans.

SIDE FLARE

(TYP)

NO.3 REBAR AT 18" (MAX) ON-CENTER-

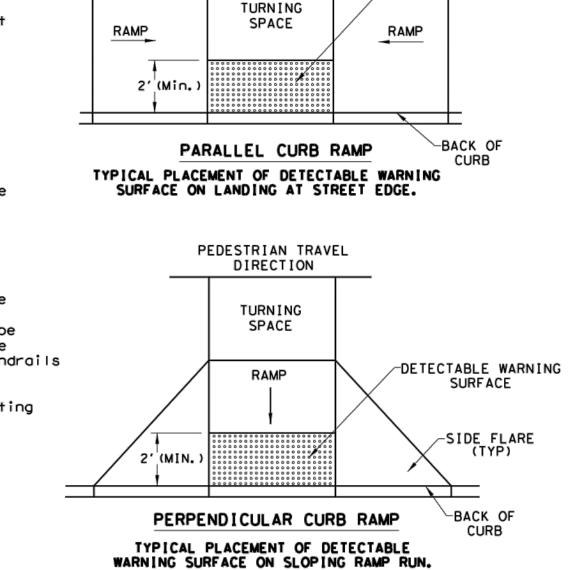
BOTH WAYS OR AS DIRECTED

WITH TRUNCATED DOMES

CLASS A CONCRETE - SHALL-

CONFORM TO APPLICABLE

SPECIFICATIONS



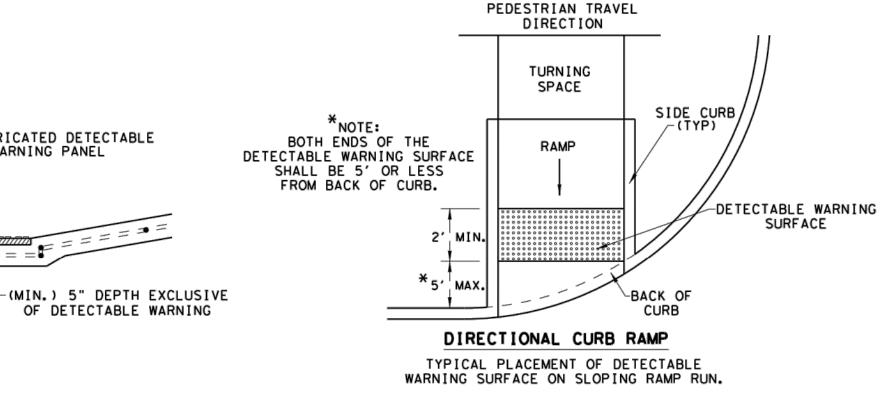
DETECTABLE WARNING SURFACE DETAILS

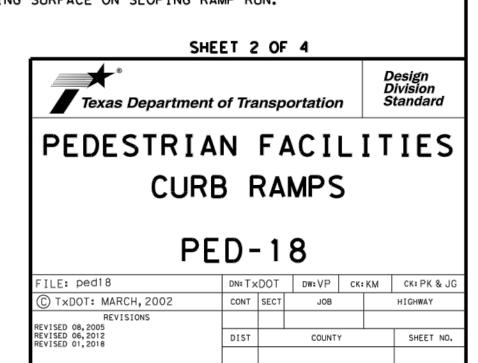
PEDESTRIAN TRAVEL

DIRECTION

-DETECTABLE WARNING

SURFACE





SECTION VIEW DETAIL CURB RAMP AT DETECTIBLE WARNINGS

ORIGINAL SHEET - ANSI D

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PHASE

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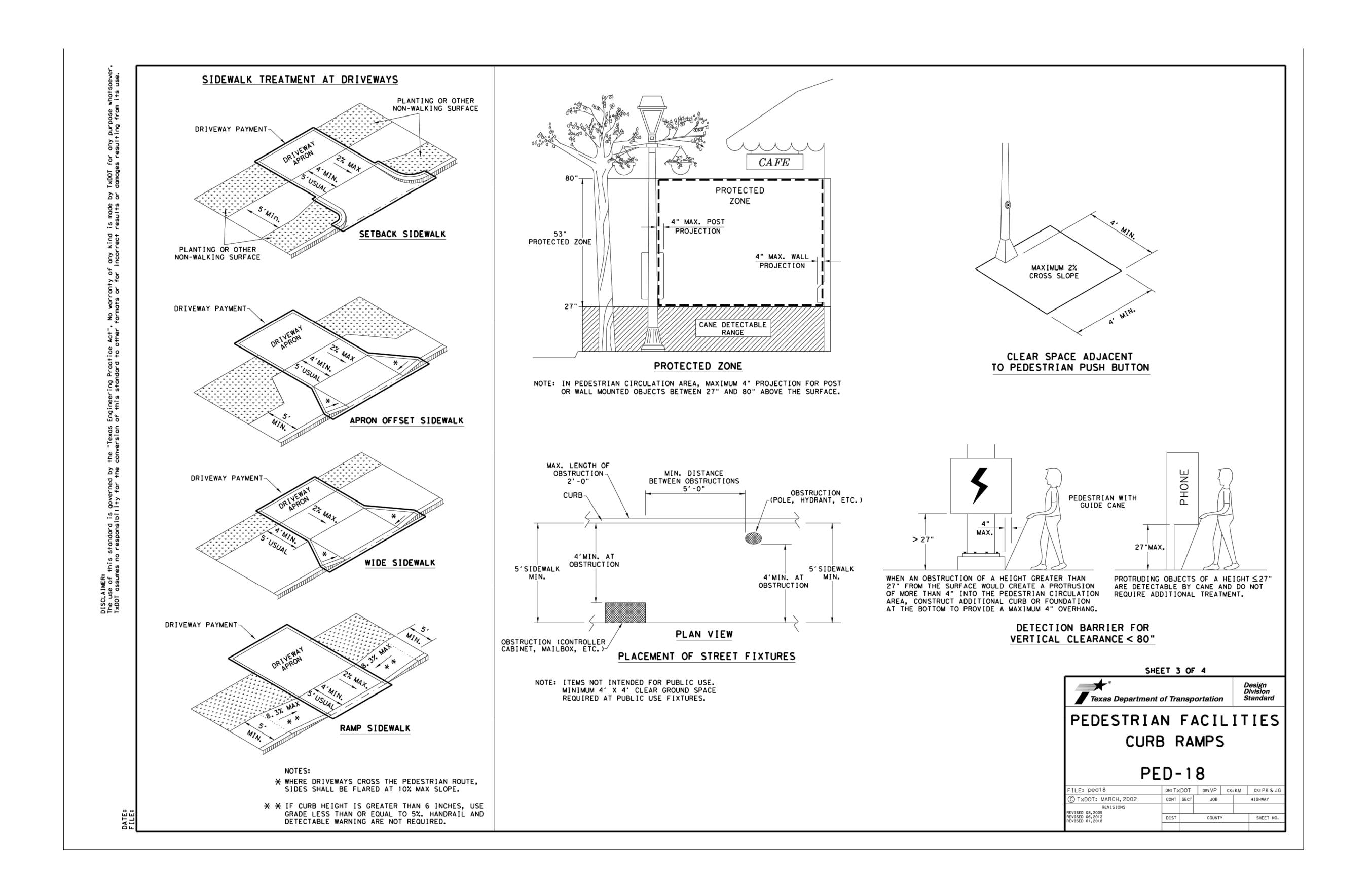
PARTNERS

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Project Number: 222011532





CAWLEY PARTNERS

CAWLEY - FOURTEEN555 PHASE 2
14555 DALLAS PARKWAY
TOWN OF ADDISON, DALLAS COUNTY, TEXA
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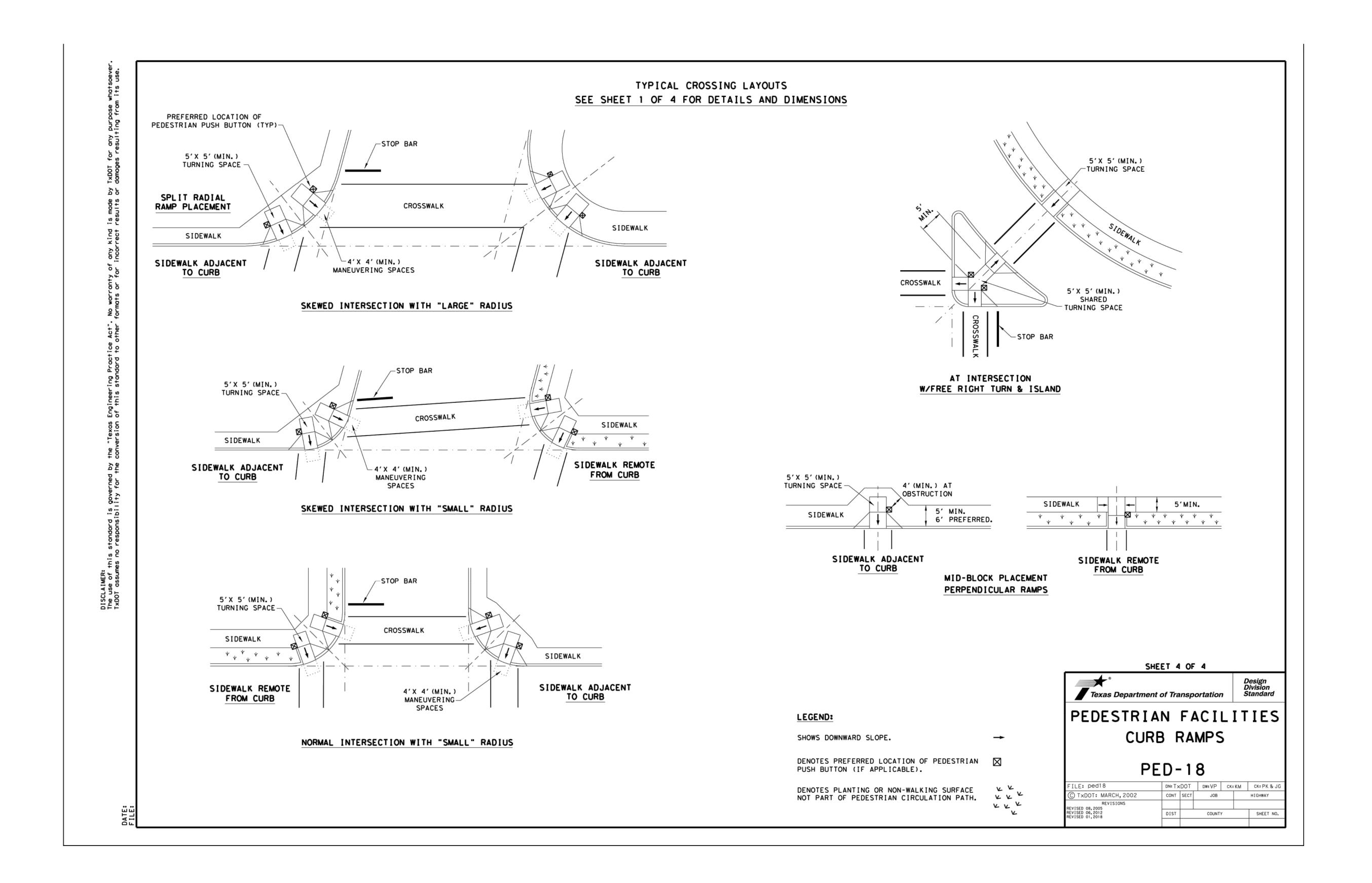
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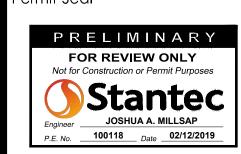
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CAWLEY - FOURTEEN555 PHASE 2
14555 DALLAS PARKWAY
TOWN OF ADDISON, DALLAS COUNTY, TEXA
Title
TXDOT PED-18 (4)

CAWLEY PARTNERS

Permit-Seal



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Drawing No. C6.7 Revision

ORIGINAL SHEET - ANSI D

C6.7