

# PAVING, STORM DRAIN, WATER AND SANITARY SEWER CONSTRUCTION PLANS

for

# ST. TERESA OF CALCUTTA CATHOLIC CHURCH

## FORT WORTH, TEXAS

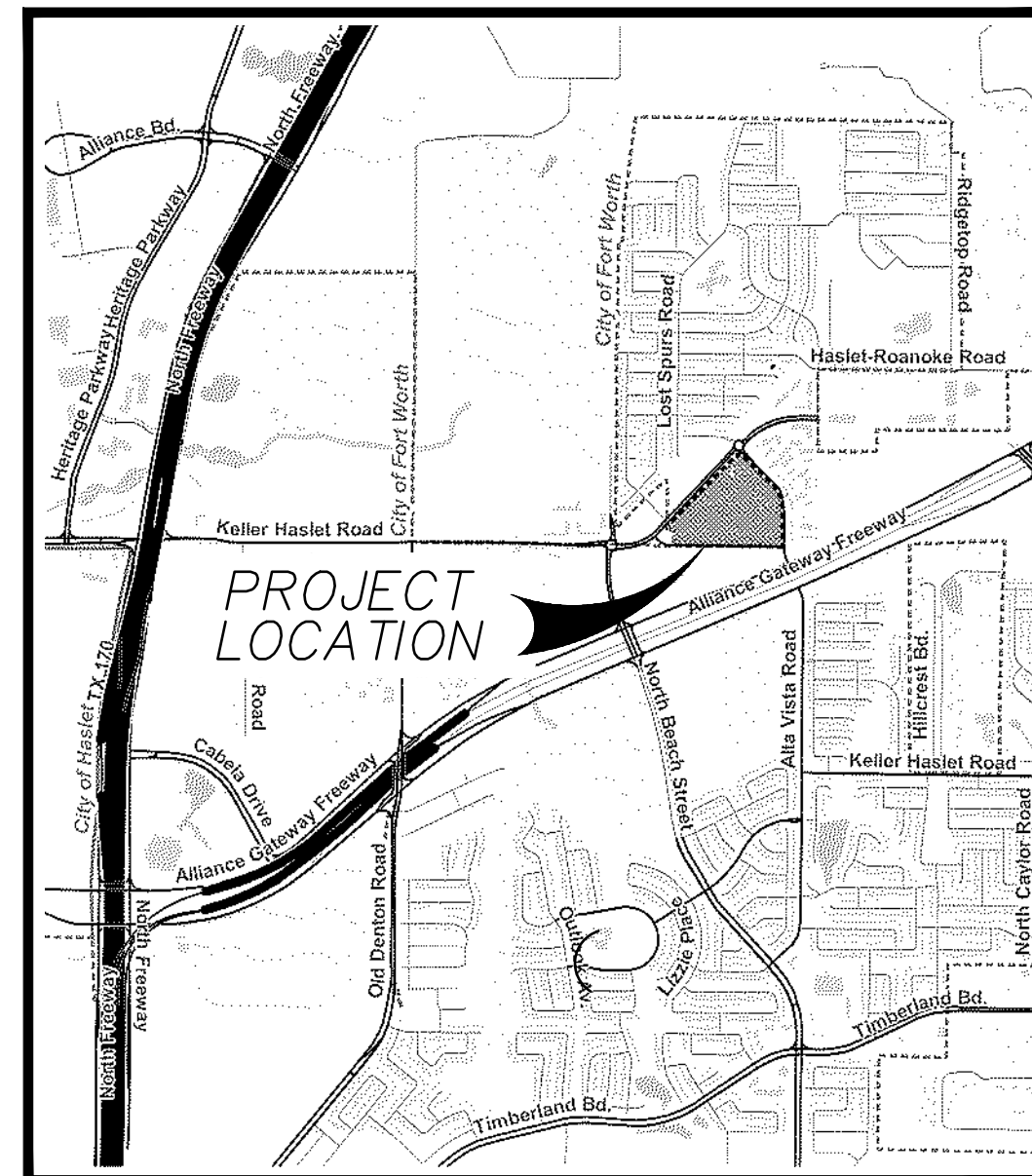
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**VICINITY MAP**  
NO SCALE

**SOURCE BENCHMARK:**

CITY OF FORT WORTH MONUMENT #8963 - BRASS DISC STAMPED "8963"  
ON THE SOUTH CURB OF WESTPORT PARKWAY 660 FEET WEST OF THE  
WEST ENTRANCE RAMP TO I-35-W AND 160 FEET EAST OF THE  
CENTERLINE OF THE HERITAGE PARKWAY IN THE CENTER OF A 10 FOOT  
RECESSED INLET 1 FOOT OFF THE FACE OF CURB A CITY MON #8963 SET  
IN THE TOP OF THE INLET.  
ELEV: 654.31'  
NAD83 TXNC (GRID)  
N: 7038654.13'  
E: 2332805.78'

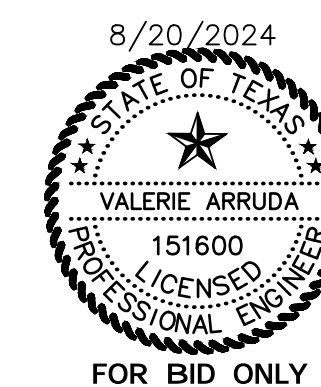
**SITE BENCHMARK:**

TBM #1 - "X" CUT IN SQUARE LOCATED APPROXIMATELY 150' SOUTHEAST  
OF THE SOUTHEAST INTERSECTION OF WESTPORT PARKWAY AND  
SOUTHEAST BOUND LANE OF ALTA VISTA DRIVE. BENCHMARK IS  
APPROXIMATELY 40' SOUTHEAST OF THE NORTH ENTRANCE TO THE  
SUBJECT PROPERTY, ON TOP OF A CURB INLET IN THE SOUTH RIGHT OF  
WAY OF ALTA VISTA DRIVE.  
ELEV: 674.75'  
NAD83 TXNC (GRID)  
N: 7039891.09'  
E: 2341537.55'

TBM #2 - "X" CUT IN SQUARE LOCATED APPROXIMATELY 55'  
SOUTHWEST OF THE SOUTHEAST INTERSECTION OF ALTA VISTA DRIVE AND  
NORTHEAST BOUND LANE OF WESTPORT PARKWAY. BENCHMARK IS ON A  
CURB INLET IN THE EAST RIGHT OF WAY OF WESTPORT PARKWAY.  
ELEV: 675.54'  
NAD83 TXNC (GRID)  
N: 7039572.76'  
E: 2341024.54'

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PLAT NOTES

1. WATER/WASTEWATER IMPACT FEES

THE CITY OF FORT WORTH HAS AN ORDINANCE IMPLEMENTING THE ASSESSMENT AND COLLECTION OF WATER AND WASTEWATER IMPACT FEES. THE TOTAL AMOUNT ASSESSED IS ESTABLISHED ON THE RECORDATION DATE OF THIS PLAT APPLICATION, BASED UPON SCHEDULE I OF THE CURRENT IMPACT FEE ORDINANCE. THE AMOUNT TO BE COLLECTED IS DETERMINED UNDER SCHEDULE II THEN IN EFFECT ON THE DATE A BUILDING PERMIT IS ISSUED, OR THE CONNECTION DATE TO THE MUNICIPAL WATER AND/OR WASTEWATER SYSTEM.

2. UTILITY EASEMENTS

ANY PUBLIC UTILITY, INCLUDING THE CITY OF FORT WORTH, SHALL HAVE THE RIGHT TO MOVE AND KEEP MOVED ALL OR PART OF ANY BUILDING, FENCE, TREE, SHRUB, OTHER GROWTH OR IMPROVEMENT WHICH IN ANY WAY ENDANGERS OR INTERFERES WITH THE CONSTRUCTION, MAINTENANCE, OR EFFICIENCY OF ITS RESPECTIVE SYSTEMS ON ANY OF THE EASEMENTS SHOWN ON THE PLAT; AND THEY SHALL HAVE THE RIGHT AT ALL TIMES TO INGRESS AND EGRESS UPON SAID EASEMENTS FOR THE PURPOSE OF CONSTRUCTION, RECONSTRUCTION, INSPECTION, PATROLLING, MAINTAINING, AND ADDING TO OR REMOVING ALL OR PART OF ITS RESPECTIVE SYSTEMS WITHOUT THE NECESSITY AT ANY TIME OF PROCURING THE PERMISSION OF ANYONE.

3. TRANSPORTATION IMPACT FEES

THE CITY OF FORT WORTH HAS AN ORDINANCE IMPLEMENTING THE ASSESSMENT AND COLLECTION OF TRANSPORTATION IMPACT FEES. THE TOTAL AMOUNT ASSESSED IS ESTABLISHED ON THE APPROVAL DATE OF THIS PLAT APPLICATION, BASED UPON SCHEDULE 1 OF THE IMPACT FEE ORDINANCE IN EFFECT AS OF THE DATE OF THE PLAT. THE AMOUNT TO BE COLLECTED IS DETERMINED UNDER SCHEDULE 2 OF SAID ORDINANCE, AND IS DUE ON THE DATE A BUILDING PERMIT IS ISSUED.

4. SITE DRAINAGE STUDY

A SITE DRAINAGE STUDY, SHOWING CONFORMANCE WITH THE APPROVED ROADWAY DRAINAGE PLAN, MAY BE REQUIRED BEFORE ANY BUILDING PERMIT WILL BE ISSUED ON THIS SITE (A GRADING PLAN IN SOME INSTANCES MAY BE ADEQUATE.) IF THE SITE DOES NOT CONFORM, THEN A DRAINAGE STUDY MAY BE REQUIRED ALONG WITH A CFA FOR ANY REQUIRED DRAINAGE IMPROVEMENTS AND THE CURRENT OWNER SHALL SUBMIT A LETTER TO THE DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS STATING AWARENESS THAT A SITE DRAINAGE STUDY WILL BE REQUIRED BEFORE ANY PERMIT IS ISSUED. THE CURRENT OWNER WILL INFORM EACH BUYER OF THE SAME.

5. FLOODPLAIN RESTRICTION

NO CONSTRUCTION SHALL BE ALLOWED WITHIN THE FLOODPLAIN EASEMENT, WITHOUT THE WRITTEN APPROVAL OF THE DIRECTOR OF TRANSPORTATION AND PUBLIC WORKS. IN ORDER TO SECURE APPROVAL, DETAILED ENGINEERING PLANS AND/OR STUDIES FOR THE IMPROVEMENTS, SATISFACTORY TO THE DIRECTOR, SHALL BE PREPARED AND SUBMITTED BY THE PARTY(S) WISHING TO CONSTRUCT WITHIN THE FLOOD-PLAIN. WHERE CONSTRUCTION IS PERMITTED, ALL FINISHED FLOOR ELEVATIONS SHALL BE A MINIMUM OF TWO (2) FEET ABOVE THE FLOODPLAIN BASE FLOOD ELEVATION RESULTING FROM ULTIMATE DEVELOPMENT OF THE WATERSHED.

6. PRIVATE COMMON AREAS AND FACILITIES

THE CITY OF FORT WORTH SHALL NOT BE HELD RESPONSIBLE FOR THE CONSTRUCTION, MAINTENANCE OR OPERATION OF ANY LOTS CONTAINING PRIVATE COMMON AREAS OR FACILITIES IDENTIFIED AS SUCH ON THIS PLAT. SAID AREAS SHALL INCLUDE, BUT NOT BE LIMITED TO: PRIVATE STREETS, EMERGENCY ACCESS EASEMENTS, AND GATED SECURITY ENTRANCES; RECREATION AREAS, LANDSCAPED AREAS AND OPEN SPACES; WATER AND WASTEWATER DISTRIBUTION SYSTEMS AND TREATMENT FACILITIES; AND RECREATION/ CLUBHOUSE/EXERCISE/ BUILDINGS AND FACILITIES.

THE LAND OWNERS AND SUBSEQUENT OWNERS OF THE LOTS AND PARCELS IN THIS SUBDIVISION, ACTING JOINTLY AND SEVERALLY AS A LAND OWNERS ASSOCIATION, SHALL BE RESPONSIBLE FOR SUCH CONSTRUCTION, RECONSTRUCTION, MAINTENANCE AND OPERATION OF THE SUBDIVISION'S PRIVATE COMMON AREAS AND FACILITIES, AND SHALL AGREE TO INDEMNIFY AND HOLD HARMLESS THE CITY OF FORT WORTH, TEXAS, FROM ALL CLAIMS, DAMAGES AND LOSSES ARISING OUT OF, OR RESULTING FROM THE PERFORMANCE OF THE OBLIGATIONS OF SAID OWNERS ASSOCIATION, AS SET FORTH HEREIN.

7. BUILDING PERMITS

NO BUILDING PERMITS SHALL BE ISSUED FOR ANY LOT IN THIS SUBDIVISION UNTIL AN APPROPRIATE CFA OR OTHER ACCEPTABLE PROVISIONS ARE MADE FOR THE CONSTRUCTION OF ANY APPLICABLE WATER, SEWER, STORM DRAIN, STREET LIGHTS, SIDEWALKS, OR PAVING IMPROVEMENTS; AND APPROVAL IS FIRST OBTAINED FROM THE CITY OF FORT WORTH.

8. CONSTRUCTION PROHIBITED OVER EASEMENTS

NO PERMANENT BUILDINGS OR STRUCTURES SHALL BE CONSTRUCTED OVER ANY EXISTING OR PLATTED WATER, SANITARY SEWER, DRAINAGE, GAS, ELECTRIC, CABLE OR OTHER UTILITY EASEMENT OF ANY TYPE.

9. SIDEWALKS

SIDEWALKS ARE REQUIRED ADJACENT TO BOTH SIDES OF ALL PUBLIC AND PRIVATE STREETS, IN CONFORMANCE WITH THE SIDEWALK POLICY PER "CITY DEVELOPMENT DESIGN STANDARDS".

10. PARKWAY IMPROVEMENTS SUCH AS CURB AND GUTTER, PAVEMENT TIE-IN, DRIVE APPROACHES, SIDEWALKS AND DRAINAGE INLETS MAY BE REQUIRED AT THE TIME OF BUILDING PERMIT ISSUANCE VIA A PARKWAY PERMIT.

11. BUILDING CONSTRUCTION DISTANCE LIMITATION TO AN OIL OR GAS WELL BORE

PURSUANT TO THE FORT WORTH CITY CODE, NO BUILDING(S) NOT NECESSARY TO THE OPERATION OF AN OIL OR GAS WELL SHALL BE CONSTRUCTED WITHIN THE SETBACKS REQUIRED BY THE CURRENT GAS WELL ORDINANCE AND ADOPTED FIRE CODE FROM ANY EXISTING OR PERMITTED OIL OR GAS WELL BORE. THE DISTANCE SHALL BE MEASURED IN A STRAIGHT LINE FROM THE WELL BORE TO THE CLOSEST EXTERIOR POINT OF THE BUILDING, WITHOUT REGARDS TO INTERVENING STRUCTURES OR OBJECTS.

12. PUBLIC OPEN SPACE EASEMENT

NO STRUCTURE, OBJECT, OR PLANT OF ANY TYPE MAY OBSTRUCT VISION FROM A HEIGHT OF 24-INCHES TO A HEIGHT OF 11- FEET ABOVE THE TOP OF THE CURB, INCLUDING, BUT NOT LIMITED TO BUILDINGS, FENCES, WALKS, SIGNS, TREES, SHRUBS, CARS, TRUCKS, ETC., IN THE PUBLIC OPEN SPACE EASEMENT AS SHOWN ON THIS PLAT.

13. PRIVATE P.R.V.'S WILL BE REQUIRED. WATER PRESSURE EXCEEDS 80 P.S.I.

14. THE SUBJECT PROPERTY IS LOCATED IN ZONE "X", AREAS DETERMINED TO BE OUTSIDE OF THE 100-YEAR FLOOD PLAIN. ACCORDING TO THE FLOOD INSURANCE RATE MAP, MAP NO. 48439C0060K, MAP EFFECTIVE SEPTEMBER 25, 2009.

15. CORNER MONUMENTATION:

UPON COMPLETION OF STREET AND UTILITY CONSTRUCTION AND GRADING WORK, 5/8" IRON RODS WITH CAPS STAMPED "MMA" SHALL BE SET AT ALL LOT CORNERS AND POINTS OF CURVATURE.

16. BEARINGS AND COORDINATES ARE GRID BASED ON THE "TEXAS COORDINATE SYSTEM OF 1983, NORTH CENTRAL ZONE" (2011) AS DETERMINED BY GPS OBSERVATIONS. THE CONVERGENCE ANGLE AT THE POINT OF BEGINNING IS 0°39'45". ALL DISTANCES HAVE BEEN ADJUSTED TO SURFACE USING A COMBINED SCALE FACTOR OF 1.000154642983.

OWNER'S CERTIFICATE

STATE OF TEXAS )(
COUNTY OF TARRANT )(

WHEREAS CATHOLIC DIOCESE OF FT. WORTH, ACTING BY AND THROUGH THE UNDERSIGNED, IT'S DULY AUTHORIZED AGENT, IS THE SOLE OWNER OF A 9.017 ACRE TRACT OF LAND.

BEING A TRACT OF LAND SITUATED IN THE Z.D. DAVIS SURVEY, ABSTRACT NO. 1888, TARRANT COUNTY, TEXAS, BEING ALL OF LOT 1, BLOCK 1, OF OUR LADY OF GRACE ADDITION, AN ADDITION TO THE CITY OF FORT WORTH, AS RECORDED IN COUNTY CLERK'S FILE NO. D207111122, OFFICIAL PUBLIC RECORDS, TARRANT COUNTY, TEXAS (OPRTCT) AND BEING A PORTION OF A CALLED 27.924 ACRE TRACT OF LAND DESCRIBED AS TRACT 2 IN THE DEED TO JOSEPH P. DELANEY, BISHOP OF THE CATHOLIC DIOCESE OF FT. WORTH, AS RECORDED IN COUNTY CLERK'S INSTRUMENT NO. D204380251, OPRTCT, AND BEING MORE PARTICULARLY DESCRIBED BY METES AND BOUNDS AS FOLLOWS;

BEGINNING AT 5/8" CAPPED IRON ROD SET (GRID N:7,039,524.14, E:2,341,011.50) FOR THE WEST CORNER OF SAID LOT 1, IN THE SOUTHEASTERLY RIGHT-OF-WAY LINE OF WESTPORT PARKWAY, A 110.00 FOOT WIDE RIGHT-OF-WAY, AS DESCRIBED IN COUNTY CLERK'S FILE NO. D208027115, OPRTCT;

THENCE WITH THE NORTHWESTERLY LINE OF SAID LOT 1 AND THE SOUTHEASTERLY RIGHT-OF-WAY LINE OF SAID WESTPORT PARKWAY, THE FOLLOWING COURSES AND DISTANCES:

NORTH 43°34'32" EAST, A DISTANCE OF 398.26 FEET TO A 5/8" IRON ROD (DISTURBED) FOUND FOR THE BEGINNING OF A CURVE TO THE RIGHT, HAVING A RADIUS OF 936.27 FEET AND A CHORD WHICH BEARS NORTH 46°28'18" EAST, A DISTANCE OF 94.61 FEET;

IN A NORTHEASTERLY DIRECTION WITH SAID CURVE TO THE RIGHT, THROUGH A CENTRAL ANGLE OF 05°47'31", AN ARC LENGTH OF 94.65 FEET TO A 5/8" CAPPED IRON ROD STAMPED "DUNAWAY&ASSOC." FOUND FOR THE BEGINNING OF REVERSE CURVE TO THE LEFT, HAVING A RADIUS OF 1,054.95 FEET AND A CHORD WHICH BEARS NORTH 46°25'36" EAST, A DISTANCE OF 104.95 FEET;

IN A NORTHEASTERLY DIRECTION WITH SAID REVERSE CURVE TO THE LEFT THROUGH A CENTRAL ANGLE OF 05°42'08", AN ARC LENGTH OF 104.99 FEET TO A 5/8" CAPPED IRON ROD STAMPED "MMA" SET FOR THE END OF SAID REVERSE CURVE TO THE LEFT;

NORTH 43°34'13" EAST, A DISTANCE OF 2.00 FEET TO A 5/8" CAPPED IRON ROD STAMPED "MMA" SET FOR THE BEGINNING OF A CURVE TO THE RIGHT, HAVING A RADIUS OF 20.01 FEET AND A CHORD WHICH BEARS NORTH 88°31'18" EAST, A DISTANCE OF 28.27 FEET;

IN AN NORTHEASTERLY DIRECTION WITH SAID CURVE TO THE RIGHT THROUGH A CENTRAL ANGLE OF 89°54'10", AN ARC LENGTH OF 31.39 FEET TO A 5/8" CAPPED IRON ROD STAMPED "MMA" SET FOR THE END OF SAID CURVE TO THE RIGHT, IN THE SOUTHWESTERLY RIGHT-OF-WAY LINE OF ALTA VISTA DRIVE, A 60 FOOT WIDE RIGHT-OF-WAY;

THENCE SOUTH 46°25'47" EAST, WITH THE NORTHEASTERLY LINE OF SAID LOT 1, SAID CALLED 27.924 ACRE TRACT, AND THE SOUTHWESTERLY RIGHT-OF-WAY LINE OF SAID ALTA VISTA DRIVE, PASSING A 5/8" IRON ROD FOUND (DISTURBED) FOR THE EAST CORNER OF SAID LOT 1, AT A DISTANCE OF 460.24 FEET AND CONTINUE FOR A TOTAL DISTANCE OF 558.86 FEET TO A 5/8" CAPPED IRON ROD STAMPED "DUNAWAY&ASSOC." FOUND FOR THE BEGINNING OF A CURVE TO THE RIGHT, HAVING A RADIUS OF 470.00 FEET AND A CHORD WHICH BEARS SOUTH 28°39'06" EAST, A DISTANCE OF 287.01 FEET;

THENCE IN A SOUTHEASTERLY DIRECTION WITH THE NORTHEASTERLY LINE OF SAID CALLED 27.924 ACRE TRACT, THE SOUTHWESTERLY RIGHT-OF-WAY LINE OF SAID ALTA VISTA DRIVE AND SAID CURVE TO THE RIGHT, THROUGH A CENTRAL ANGLE OF 35°33'22", AN ARC LENGTH OF 291.67 FEET TO A 5/8" CAPPED IRON ROD STAMPED "MMA" SET FOR THE END OF SAID CURVE TO THE RIGHT;

THENCE NORTH 89°50'47" WEST, OVER AND ACROSS SAID CALLED 27.924 ACRE TRACT, A DISTANCE OF 512.25 FEET TO A 5/8" CAPPED IRON ROD STAMPED "MMA" SET FOR CORNER IN THE SOUTHEASTERLY LINE OF SAID LOT 1;

THENCE SOUTH 43°34'32" WEST, WITH THE SOUTHEASTERLY LINE OF SAID LOT 1, A DISTANCE OF 179.89 FEET TO 5/8" CAPPED IRON ROD STAMPED "BHB INC" FOUND FOR THE SOUTH CORNER OF SAID LOT 1;

THENCE NORTH 46°25'37" WEST, WITH THE SOUTHWESTERLY LINE OF SAID LOT 1, PASSING A 5/8" CAPPED IRON ROD STAMPED "BHB INC" FOUND AT A DISTANCE OF 489.80 FEET AND CONTINUE FOR A TOTAL DISTANCE OF 490.09 FEET TO THE POINT OF BEGINNING AND CONTAINING 392,769 SQUARE FEET OR 9.017 ACRES OF LAND, MORE OR LESS.

SURVEYOR'S CERTIFICATE

THAT I, LON E. WHITTEN, A REGISTERED PROFESSIONAL LAND SURVEYOR IN THE STATE OF TEXAS, DO HEREBY DECLARE THAT I PREPARED THIS PLAT FROM AN ACTUAL AND ACCURATE SURVEY OF THE LAND AND THAT THE CORNER MONUMENTS SHOWN HEREON AS SET WERE PROPERLY PLACED UNDER MY PERSONAL SUPERVISION IN ACCORDANCE WITH THE SUBDIVISION REGULATIONS OF THE CITY OF FORT WORTH, 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. Released for review by

LON E. WHITTEN DATE: APRIL 26, 2024
REGISTERED PROFESSIONAL LAND SURVEYOR
TEXAS REGISTRATION NO. 5893

STATE OF TEXAS )(
COUNTY OF TARRANT )(

BEFORE ME, THE UNDERSIGNED AUTHORITY ON THIS DAY PERSONALLY APPEARED LON E. WHITTEN, 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 PURPOSES AND CONSIDERATIONS THEREIN EXPRESSED IN THE CAPACITY THEREIN STATED.

GIVEN UNDER MY HAND AND SEAL OF OFFICE ON THIS DAY OF , 2024.

NOTARY PUBLIC IN AND FOR THE STATE OF TEXAS

MY COMMISSION EXPIRES: \_\_\_\_\_

OWNER'S DEDICATION

NOW, THEREFORE, KNOW ALL MEN BY THESE PRESENTS:

THAT, CATHOLIC DIOCESE OF FT. WORTH, ACTING BY AND THROUGH THE UNDERSIGNED, DOES HEREBY ADOPT THIS PLAT DESIGNATING THE HEREIN ABOVE DESCRIBED REAL PROPERTY AS LOT 1R, BLOCK 1, OUR LADY OF GRACE ADDITION, AN ADDITION TO THE CITY OF FORT WORTH, TARRANT COUNTY, TEXAS, AND DO HEREBY DEDICATED TO THE PUBLIC'S USE THE STREETS AND EASEMENTS SHOWN THEREON, EXCEPT THE PRIVATE EASEMENTS SHOWN THEREON. THIS PLAT DOES NOT ALTER OR REMOVE EXISTING DEED RESTRICTION OR COVENANTS, IF ANY, ON THIS PROPERTY.

PURSUANT TO SECTION 12.002 OF THE TEXAS PROPERTY CODE, I HAVE OBTAINED ORIGINAL TAX CERTIFICATES FROM EACH TAXING UNIT WITH JURISDICTION OVER EACH PARCEL OF REAL PROPERTY IN SAID SUBDIVISION INDICATING THAT NO DELINQUENT AD VALOREM TAXES ARE OWED ON THE REAL PROPERTY WHICH IS THE SUBJECT OF THE PLAT OR REPLAT I HAVE SUBMITTED TO THE CITY OF FORT WORTH, TARRANT COUNTY, TEXAS FOR FILING AND RECORDING WITH THE TARRANT COUNTY CLERK'S OFFICE.

WITNESS MY HAND THIS THE DAY OF , 2024.

GRANTOR:

BISHOP MICHAEL OLSON

STATE OF TEXAS \$
COUNTY OF TARRANT \$

THIS INSTRUMENT WAS ACKNOWLEDGED BEFORE ME ON THIS DAY OF , 2024.

BY (NAME), (TITLE OF SIGNATOR)
OF CATHOLIC DIOCESE OF FT. WORTH.

NOTARY PUBLIC, STATE OF TEXAS

PRINTED NAME: \_\_\_\_\_

COMMISSION EXPIRES: \_\_\_\_\_

FINAL PLAT OF

LOT 1R, BLOCK 1
OUR LADY OF GRACE ADDITION

BEING 9.017 ACRES OF LAND SITUATED IN THE Z.D. DAVIS SURVEY, ABSTRACT NO. 1888 CITY OF FORT WORTH, TARRANT COUNTY, TEXAS AND BEING A REPLAT OF LOT 1, BLOCK 1 OF OUR LADY OF GRACE ADDITION, AN ADDITION TO THE CITY OF FORT WORTH, TARRANT COUNTY, TEXAS

1 COMMERCIAL LOT

APRIL 2024

SURVEYOR/ENGINEER:



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SHEET 1 OF 2

GENERAL NOTES:

1. ALL MATERIALS AND WORKMANSHIP SHALL CONFORM TO THE LATEST EDITION OF THE CITY OF FORT WORTH STANDARD SPECIFICATIONS FOR WATER AND SANITARY SEWER CONSTRUCTION.
2. THE LOCATIONS OF ALL EXISTING UTILITIES INDICATED ON THE PLANS ARE TAKEN FROM EXISTING PUBLIC RECORDS OR PROVIDED BY VARIOUS OWNERS OF THE FACILITIES. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR VERIFICATION OF VERTICAL AND HORIZONTAL LOCATIONS OF ALL UTILITIES PRIOR TO CONSTRUCTION. SUCH VERIFICATION SHALL BE CONSIDERED SUBSIDIARY TO ALL OTHER BID ITEMS. NOTIFY THE PROJECT INSPECTOR PROMPTLY OF ALL CONFLICTS OF THE WORK WITH EXISTING UTILITIES.
3. THE CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES WITH FACILITIES IN PROJECT AREA 48 HOURS PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL COORDINATE WITH THE PROPER UTILITY COMPANIES TO RELOCATE, BRACE, AND SUPPORT ANY UTILITY IN CONFLICT WITH THE PROPOSED STRUCTURE OR CONSTRUCTION. ALL ASSOCIATED WORK SHALL BE CONSIDERED SUBSIDIARY TO ALL OTHER BID ITEMS. ANY REPAIR TO THE DAMAGED EXISTING UTILITIES SHALL BE THE COST OF CONTRACTOR.
4. PUBLIC OR PRIVATE UTILITY LINES MAY EXIST THAT ARE NOT SHOWN ON THE CONSTRUCTION PLANS. THE CONTRACTOR IS RESPONSIBLE FOR PROTECTING THE INTEGRITY OF THESE LINES. SUCH WORK SHALL BE CONSIDERED SUBSIDIARY TO ALL OTHER BID ITEMS.
5. A TEXAS DEPARTMENT OF TRANSPORTATION (TXDOT) PERMIT WILL BE REQUIRED WHEN ENTERING/CROSSING RIGHT-OF-WAY OF TXDOT. CONTRACTOR IS RESPONSIBLE FOR NOTIFYING TXDOT 48 HOURS PRIOR TO CONSTRUCTION.
6. TRENCH SAFETY PLAN SHALL BE STAMPED, SIGNED, AND DATED BY A LICENSED PROFESSIONAL ENGINEER AND SUBMITTED TO THE PROJECT ENGINEER BEFORE OR DURING PRE-CONSTRUCTION MEETING.
7. THREE COPIES OF "STORM WATER POLLUTION PREVENTION PLAN (SWPPP)" SEALED BY A LICENSED PROFESSIONAL ENGINEER SHALL BE SUBMITTED TO THE PROJECT ENGINEER AT LEAST 10 WORKING DAYS PRIOR TO CONSTRUCTION. A "NOTICE OF INTENT" (NOI) SHALL BE INCLUDED IN THE SUBMITTAL IF THE PROJECT IS 5 ACRES IN SIZE OR LARGER. THE CONTRACTOR IS RESPONSIBLE FOR SUBMITTING A NOTICE OF TERMINATION (NOT) WITHIN 30 DAYS OF THE PROJECT COMPLETION.
8. A TRAFFIC CONTROL PLAN SHALL BE SUBMITTED TO PUBLIC WORKS/TRANSPORTATION DEPARTMENT - TRANSPORTATION DIVISION FOR APPROVAL FOR ANY UTILITY AND STREET WORK THAT WILL CAUSE LANE CLOSURES. AT LEAST ONE LANE TRAFFIC SHALL BE MAINTAINED AT ALL TIMES. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING AN APPROVED TRAFFIC CONTROL PLAN TO THE PROJECT INSPECTOR.
9. THE CONTRACTOR SHALL NOTIFY THE PROJECT INSPECTOR AT LEAST THREE (3) WORKING DAYS PRIOR TO CONSTRUCTION IN ORDER TO COORDINATE CONSTRUCTION, ADMINISTRATION, AND INSPECTION ACTIVITIES.
10. ALL WATER AND SANITARY SEWER WORK REQUIRED WITHIN THE PRIVATE PROPERTY SHALL BE PERFORMED BY A LICENSED PLUMBER. THE CONTRACTOR SHALL NOTIFY THE PROPERTY OWNER AND IMMEDIATELY COMMENCE SURFACE RESTORATION TO AN EQUAL OR BETTER CONDITION AFTER THE WATER AND SEWER WORK IS COMPLETE.
11. THE CONTRACTOR SHALL AVOID DAMAGING ANY EXISTING SPRINKLER SYSTEM THAT MAY BE IN THE CONSTRUCTION AREA. REMOVED OR DAMAGED SPRINKLER SYSTEM SHALL BE REPAIRED BY A LICENSED IRRIGATOR. THIS WORK SHALL BE CONSIDERED SUBSIDIARY TO ALL OTHER BID ITEMS.
12. THE CONTRACTOR SHALL AVOID DAMAGING ANY LANDSCAPING THAT MAY BE IN THE CONSTRUCTION AREA. REPLACING DAMAGED LANDSCAPING SHALL BE CONSIDERED SUBSIDIARY TO ALL OTHER BID ITEMS UNLESS OTHERWISE INDICATED ON THE CONSTRUCTION PLAN OR BID PROPOSAL.
13. REMOVAL OF TREES AND OTHER EXISTING STRUCTURES SHALL BE CONSIDERED SUBSIDIARY TO ALL OTHER BID ITEMS UNLESS OTHERWISE INDICATED ON THE CONSTRUCTION PLAN OR BID PROPOSAL OR APPROVED BY THE PROJECT INSPECTOR.
14. ALL TRENCHES SHALL BE BACKFILLED AT THE END OF EACH WORKING DAY. THE CONTRACTOR SHALL PROVIDE ALL FENCING AND/OR BARRICADES TO MAINTAIN PUBLIC SAFETY AROUND THE CONSTRUCTION AREA.
15. THE CONTRACTOR SHALL CLEAN UP DIRT AND DEBRIS IN THE PAVED AREAS TO ENSURE THE STREET IS IN DRIVABLE CONDITION AT THE END OF EACH WORKING DAY.
16. EXISTING MAIL BOXES SHALL BE PROTECTED AND MAIL SERVICE SHALL NOT BE INTERRUPTED.
17. ALL WATER AND SANITARY SEWER LINES USING DUCTILE IRON PIPE SHALL BE CLASS 350 UNLESS OTHERWISE SHOWN ON THE CONSTRUCTION PLANS OR BID ITEMS. ALL DUCTILE IRON PIPES SHALL BE WRAPPED BY POLYETHYLENE ENCASEMENT TO MEET ANSI/AWWA C105/A21.5 SPECIFICATIONS WITH A MINIMUM 8MIL THICKNESS.
18. ALL PIPE FITTINGS SHALL BE DUCTILE IRON AND RESTRAINED WITH BOTH CONCRETE BLOCKING AND MEGALUGS. ALL PIPE FITTINGS SHALL BE CONSIDERED SUBSIDIARY TO THE PIPE PRICES.
19. REMOVAL, SALVAGE, AND ABANDONMENT OF THE EXISTING WATER AND SEWER LINES SHALL BE CONSIDERED SUBSIDIARY TO ALL OTHER BID ITEMS.
20. REMOVAL AND HAUL-OFF EXCESS CONSTRUCTION MATERIALS FROM THE CONSTRUCTION SITE SHALL BE CONSIDERED SUBSIDIARY TO ALL OTHER BID ITEMS.
21. ALL EXISTING FENCES REMOVED OR DAMAGED BY CONSTRUCTION SHALL BE REPLACED OR RESTORED WITH SAME TYPE, STYLE, AND MATERIAL TO AN EQUAL OR BETTER CONDITION. THIS WORK SHALL BE CONSIDERED SUBSIDIARY TO ALL OTHER BID ITEMS UNLESS OTHERWISE INDICATED ON THE CONSTRUCTION PLAN OR BID PROPOSAL.
22. ALL TEMPORARY FENCES SHALL BE INSTALLED TO PROTECT PRIVATE PROPERTIES WHEN THE CONSTRUCTION WORK IS PERFORMED WITHIN THE EASEMENTS. THIS WORK SHALL BE CONSIDERED SUBSIDIARY TO ALL OTHER BID ITEMS UNLESS OTHERWISE INDICATED ON THE CONSTRUCTION PLAN OR BID PROPOSAL.

WATER NOTES:

1. ALL WATER MAINS USING PVC PIPE SHALL BE IN COMPLIANCE WITH AWWA C900 OR C905.
2. CLASS "C" EMBEDMENT SHALL BE USED FOR ALL WATER MAINS.
3. THERE SHALL BE A MINIMUM COVER OF FORTY-TWO INCHES (42") OVER THE WATER PIPE AS MEASURED FROM THE TOP OF THE PIPE TO THE EXISTING GROUND, OR THE PROPOSED FINISHED GRADES, WHICHEVER IS GREATER.
4. FIRE HYDRANTS SHALL BE LOCATED THREE TO FIVE FEET (3'-5') FROM BACK OF THE CURB, AND SHALL NOT EXCEED EIGHT FEET (8') FROM BACK OF THE CURB UNLESS OTHERWISE INDICATED ON THE CONSTRUCTION PLAN.
5. WHEN REPLACING WATER SERVICES, ALL EXISTING WATER METER BOXES SHALL BE REPLACED AND THE METERS SHALL BE RELOCATED TO THREE FEET (3') BACK OF THE CURB OR AS SHOWN ON THE CONSTRUCTION PLANS.
6. ALL VALVE BOXES SHALL BE ADJUSTED UP TO THE FINISHED PAVEMENT GRADE. THIS WORK SHALL BE CONSIDERED SUBSIDIARY TO ALL OTHER BID ITEMS UNLESS OTHERWISE INDICATED ON THE CONSTRUCTION PLAN OR BID PROPOSAL.
7. NO WELDED OUTLET IS ALLOWED FOR THE DUCTILE IRON WATER LINE.

SANITARY SEWER NOTES:

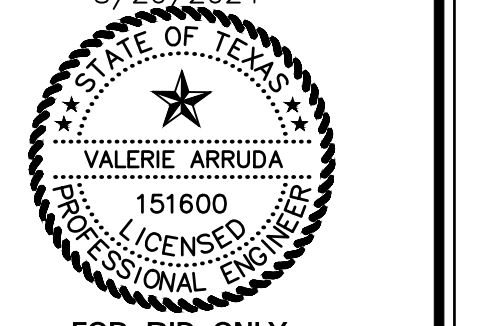
1. ALL SANITARY SEWER MAINS USING PVC PIPE SHALL BE SDR-26, HEAVY WALL, IN COMPLIANCE WITH ASTM D-3034 LATEST REVISION.
2. CLASS "B" EMBEDMENT SHALL BE USED FOR ALL SANITARY SEWER MAINS.
3. THE CONTRACTOR SHALL ENSURE ALL THE EXISTING SEWER SERVICES THAT CAN BE RECONNECTED OR REROUTED TO THE NEW MAINS. THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER ANY POTENTIAL CONFLICTS PRIOR TO CONSTRUCTION SO THE MODIFICATION CAN BE MADE IF NECESSARY.
4. THE CONTRACTOR SHALL CONDUCT A PRE-CONSTRUCTION TELEVISION INSPECTION OF ALL THE EXISTING SEWER LINES TO BE ABANDONED OR REHABILITATED BY OTHER THAN OPEN CUT TO VERIFY THE SERVICE LOCATIONS AND LINE CONDITIONS. THIS WORK SHALL BE CONSIDERED SUBSIDIARY TO ALL OTHER BID ITEMS UNLESS OTHERWISE INDICATED ON THE CONSTRUCTION PLAN OR BID PROPOSAL.
5. ALL SEWER SERVICES SHALL BE REPLACED WITH 4" PVC FROM THE NEW MAIN TO THE PROPERTY LINE OR EASEMENT LINE UNLESS OTHERWISE INDICATED ON THE CONSTRUCTION PLAN OR BID PROPOSAL.
6. THE CONTRACTOR SHALL VERIFY THE EXISTING SANITARY SEWER SLOPE PRIOR TO MAKING CONNECTION. SLOPE OF THE NEW MAIN AND THE EXISTING MAIN SHALL MATCH UNLESS OTHERWISE INDICATED ON THE CONSTRUCTION PLAN. A REDUCER SHALL BE USED WHEN A LARGER SIZE LINE CONNECTS TO A SMALLER SIZE LINE.
7. THE CONTRACTOR SHALL VERIFY THE SIZE, ELEVATION, AND MATERIAL OF THE EXISTING LINE PRIOR TO ORDERING PREFABRICATED MANHOLE.
8. REWORK THE INVERT WHERE TYING INTO AN EXISTING MANHOLE.
9. BYPASS PUMP REQUIRED FOR PERFORMING CONSTRUCTION WORK SHALL BE CONSIDERED SUBSIDIARY TO ALL OTHER BID ITEMS UNLESS OTHERWISE INDICATED ON THE CONSTRUCTION PLAN OR BID PROPOSAL.
10. ALL MANHOLE AND CLEANOUT SHALL BE ADJUSTED UP TO THE FINISHED PAVEMENT GRADE. THIS WORK SHALL BE CONSIDERED SUBSIDIARY TO ALL OTHER BID ITEMS UNLESS OTHERWISE INDICATED ON THE CONSTRUCTION PLAN OR BID PROPOSAL.

**ST. TERESA OF CALCUTTA CATHOLIC CHURCH  
FORT WORTH, TEXAS  
GENERAL NOTES**



**mma**  
civil engineering surveying landscape architecture planning  
tpeis registration number: 1 - 2759  
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8/20/2024



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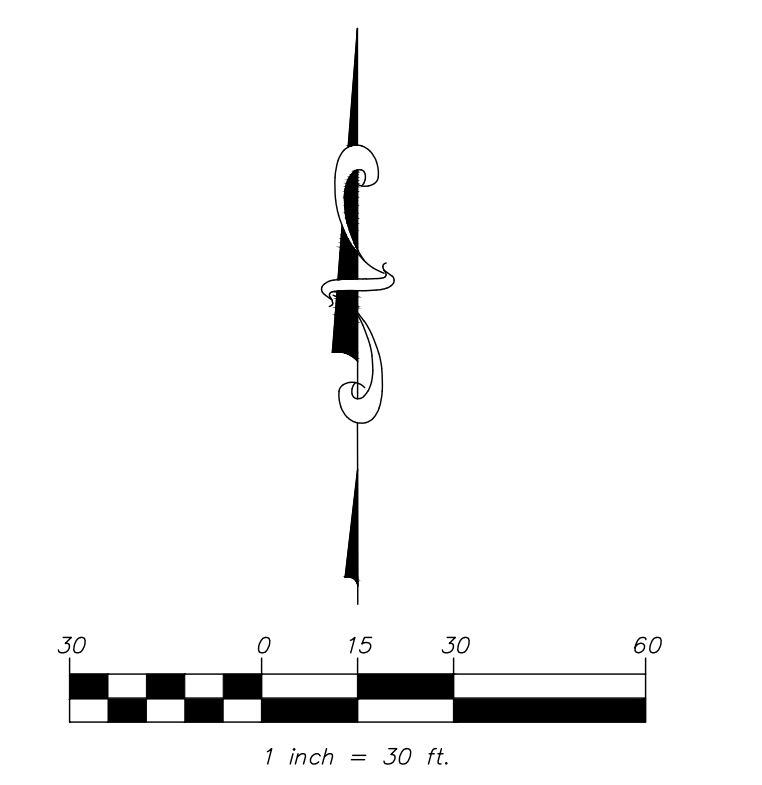
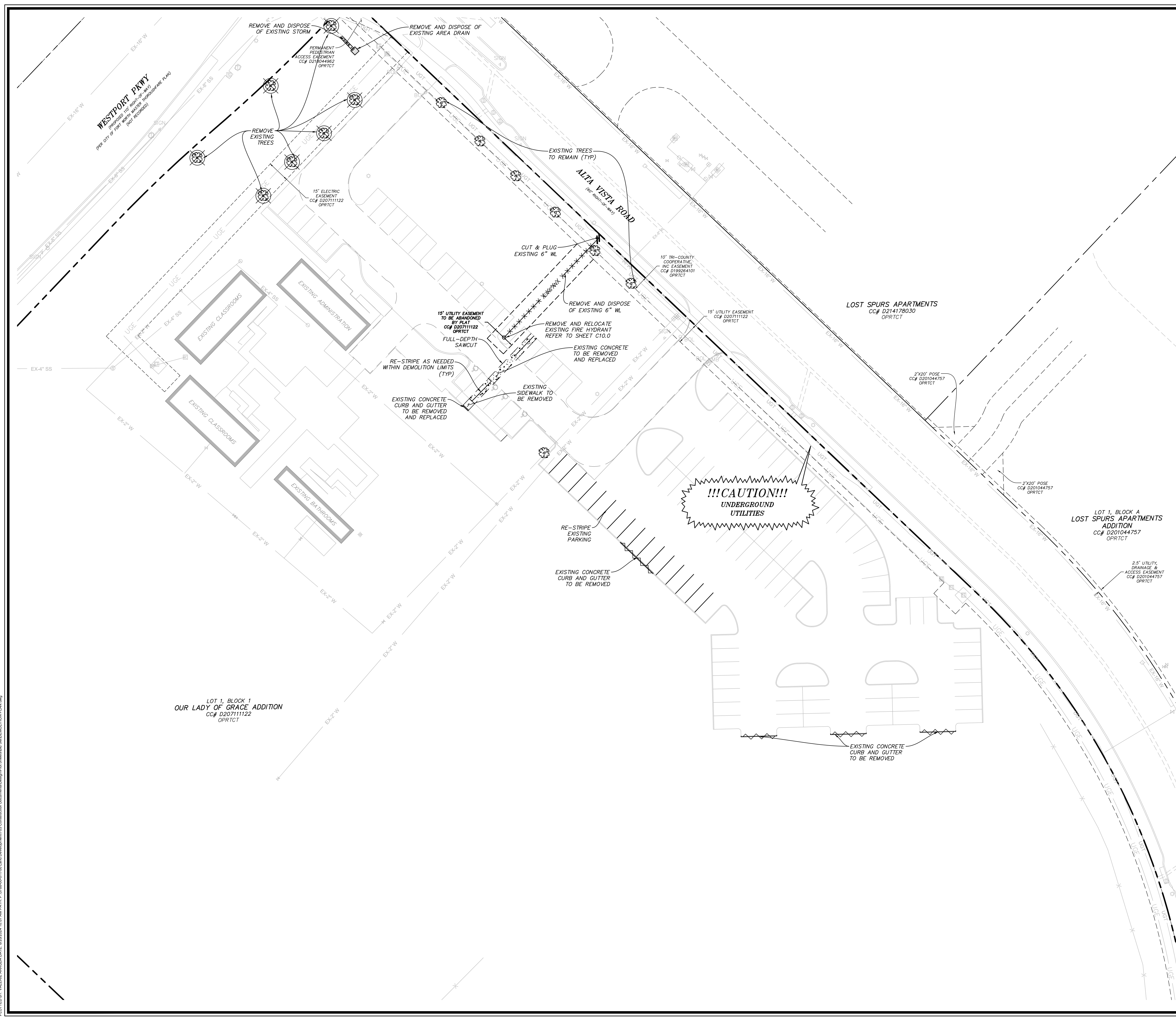
PROJECT NUMBER:	3788-00-01
PROJECT MANAGER:	R. CRONIN
DRAWN BY:	G. SANCHEZ
CHECKED BY:	V. ARRUDA
ISSUE DATE:	8/20/2024

REV.	DATE	DESCRIP.	BY

**GENERAL NOTES**

SHEET NO: **C1.0**

PLOTTED BY: VALERIE ARRUDA DATE: 8/20/2024 10:47 AM PATH: F:\3788-00-01\301 Lead Development\3788 Construction Documents\Design\Plus Sheets\Bids\GENERAL NOTES.dwg



**LEGEND:**

SAWCUT & REMOVE EXISTING CURB & GUTTER	
REMOVE EXISTING CONCRETE PAVEMENT	
REMOVE EXISTING SIDEWALK	
REMOVE EXISTING WATER LINE	
REMOVE EXISTING TREE	

**NOTES:**

1. CONTRACTOR TO DISPOSE OF ALL DEMOLITION DEBRIS AT AN APPROVED DISPOSAL FACILITY.
2. CONTRACTOR IS RESPONSIBLE FOR LOCATING EXISTING UTILITIES AND PROTECTING THEM THROUGHOUT CONSTRUCTION.
3. CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL PERMITS REQUIRED FOR SITE DEMOLITION.
4. ALL WASTE WATER AND SANITARY SEWER SERVICES TO BE ABANDONED SHALL BE DISCONNECTED AND CAPPED IN ACCORDANCE WITH JURISDICTIONAL REQUIREMENTS.
5. REFER TO SITE AND GRADING PLAN FOR CONSTRUCTION LIMITS.
6. CONTRACTOR TO MAINTAIN EXISTING DRAINAGE PATTERNS.

**GENERAL UTILITY NOTES:**

ALL EXISTING UTILITY DATA IS PROVIDED FOR INFORMATION ONLY. ALTHOUGH THIS DATA IS SHOWN AS ACCURATELY AS POSSIBLE, THE CONTRACTOR IS CAUTIONED THAT THE OWNER AND THE ENGINEER NEITHER ASSUME NOR IMPLY ANY RESPONSIBILITY FOR THE ACCURACY OF THIS DATA. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO CONTACT THE UTILITY AFFECTED AND VERIFY THESE LOCATIONS AND ELEVATIONS PRIOR TO CONSTRUCTION.

CALL TEXAS 811 OR OTHER UTILITY LOCATING SERVICES 48 HOURS PRIOR TO CONSTRUCTION ACTIVITY. MMA INC. IS NOT RESPONSIBLE FOR KNOWING ALL EXISTING UTILITIES OR DEPICTING EXACT LOCATIONS OF UTILITIES ON DRAWINGS.

**SOURCE BENCHMARK:**

CITY OF FORT WORTH MONUMENT #8963 - BRASS DISC STAMPED "8963" ON THE SOUTH CURB OF WESTPORT PARKWAY 660 FEET WEST OF THE WEST ENTRANCE RAMP TO I-35-W AND 160 FEET EAST OF THE CENTERLINE OF THE HERITAGE PARKWAY IN THE CENTER OF A 10 FOOT RECESSED INLET 1 FOOT OFF THE FACE OF CURB A CITY MON #8963 SET IN THE TOP OF THE INLET.  
 ELEV: 654.31'  
 NAD83 TXNCR (GRID)  
 N: 7038654.13'  
 E: 2332805.78'

**SITE BENCHMARK:**

**TBM #1** - "X" CUT IN SQUARE LOCATED APPROXIMATELY 150' SOUTHEAST OF THE SOUTHEAST INTERSECTION OF WESTPORT PARKWAY AND SOUTHEAST BOUND LANE OF ALTA VISTA DRIVE. BENCHMARK IS APPROXIMATELY 40' SOUTHEAST OF THE NORTH ENTRANCE TO THE SUBJECT PROPERTY, ON TOP OF A CURB INLET IN THE SOUTH RIGHT OF WAY OF ALTA VISTA DRIVE.  
 ELEV: 674.75'  
 NAD83 TXNCR (GRID)  
 N: 7039891.09'  
 E: 2341537.55'

**TBM #2** - "X" CUT IN SQUARE LOCATED APPROXIMATELY 555' SOUTHWEST OF THE SOUTHEAST INTERSECTION OF ALTA VISTA DRIVE AND NORTHEAST BOUND LANE OF WESTPORT PARKWAY. BENCHMARK IS ON A CURB INLET IN THE EAST RIGHT OF WAY OF WESTPORT PARKWAY.  
 ELEV: 675.54'  
 NAD83 TXNCR (GRID)  
 N: 7039572.76'  
 E: 2341024.54'

BEARINGS AND COORDINATE VALUES SHOWN HEREON ARE IN REFERENCE TO THE NAD83 TEXAS COORDINATE SYSTEM - NORTH CENTRAL ZONE, 4202, BASED ON GPS OBSERVATIONS UTILIZING THE LEICA GPS REFERENCE NETWORK. THE PROJECT SCALE FACTOR IS 1.000154642983 (0.999845380927), BASE POINT OF 0,0,0.

**ST. TERESA OF CALCUTTA CATHOLIC CHURCH  
FORT WORTH, TEXAS  
DEMOLITION PLAN**

**mma**  
 civil engineering surveying landscape architecture planning  
 tpeles registration number: 1 - 2759  
 tpeles registration/license number: 10088000  
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 arlington, texas 76010  
 817-469-1671  
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8/20/2024  
  
**FOR BID ONLY**

PROJECT NUMBER:	3788-00-01
PROJECT MANAGER:	R. CROMIN
DRAWN BY:	G. SANCHEZ
CHECKED BY:	V. ARRUDA
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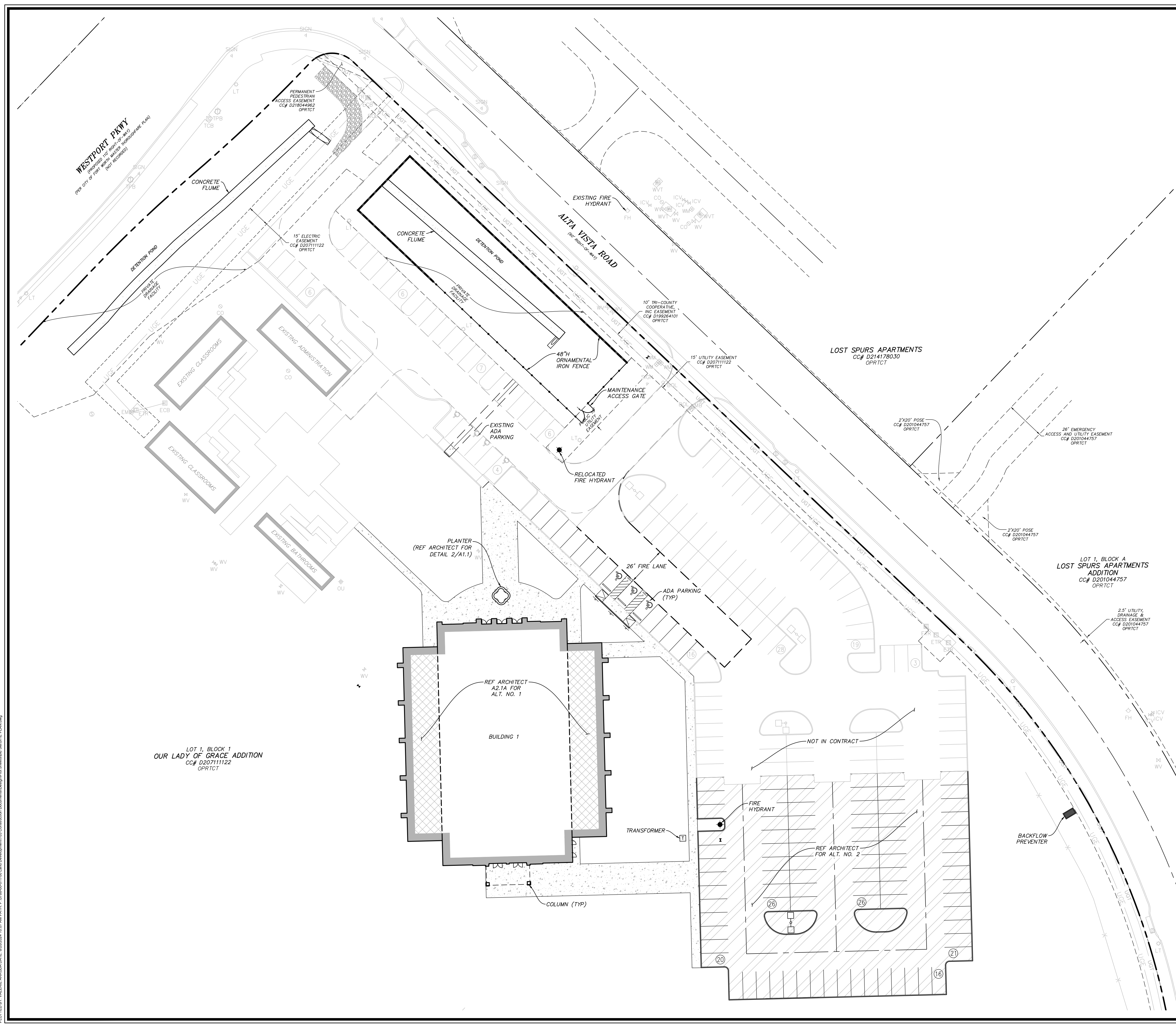
REV.	DATE	DESCRIP.	BY

SHEET CONTENT:  
**DEMOLITION PLAN**

SHEET NO:  
**C2.0**

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**LEGEND:**

FIRE LANE	---
ACCESSIBLE PARKING SPACE	♿
SIGN	⊕
EXISTING SANITARY SEWER	EX-SS
EXISTING SEWER MANHOLE	⊙
EXISTING WATER LINE	EX-W
EXISTING WATER VALVE	⊗
EXISTING FIRE HYDRANT	⊙
EXISTING UNDERGROUND ELECTRIC	---
EXISTING UNDERGROUND TELEPHONE	---
EXISTING BURIED FIBER OPTICS	---
EXISTING BURIED GAS	---
EXISTING POWER POLE	⊙
EXISTING PEDESTRIAN LIGHT	⊙
PARKING COUNT	⊙

- NOTES:**
- TYPICAL PARKING STALL IS 18' LONG X 9' WIDE.
  - ALL DIMENSIONS ARE TO THE FACE OF CURB UNLESS OTHERWISE NOTED.
  - ALL CURB RADII ARE 3' UNLESS OTHERWISE NOTED.
  - REFER TO SHEET C1.0 FOR GENERAL NOTES.
  - CONTRACTOR SHALL VERIFY ALL DIMENSIONS PRIOR TO COMMENCING ANY CONSTRUCTION. NOTIFY ENGINEER OF ANY CONFLICTS OR DISCREPANCIES.
  - REFER TO ARCHITECTURAL PLANS FOR ACTUAL BUILDING DIMENSIONS.

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 N: 7038654.13'  
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**SITE BENCHMARK:**

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8/20/2024  
 STATE OF TEXAS  
 VALERIE ARRUDA  
 151600  
 LICENSED PROFESSIONAL ENGINEER  
 FOR BID ONLY

PROJECT NUMBER:	3788-00-01
PROJECT MANAGER:	R. CRONIN
DRAWN BY:	G. SANCHEZ
CHECKED BY:	V. ARRUDA
ISSUE DATE:	8/20/2024

REV.	DATE	DESCRIP.	BY

SHEET CONTENT:  
**SITE PLAN**

SHEET NO:  
**C3.0**

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PLOTTED BY: VALERIE ARRUDA DATE: 8/20/2024 10:27 AM PATH: F:\3788-00-01\300 Lead Development\3788-00-01\Sheet\B3 SITE PLAN.dwg





























Upper Pond Results					
Storm (year)	Peak Inflow (cfs)	Peak Outflow (cfs)	WSEL	Storage (ac-ft)	Freeboard
1	11.08	3.98	672.17	0.242	3.53
5	16.90	7.73	672.97	0.359	2.73
100	32.36	18.2	674.68	0.644	1.02

Outfall Structure: 36" HDPE culvert @ 699.94 @ 0.48%

Top of Bank: 675.70

Stage-Storage Table					
Stage	Elevation	Area (sq. ft.)	Area (acres)	Storage (ac-ft)	
0.00	669.94	159.71	0.0037	0	
0.16	670.10	1316.47	0.0302	0.003	
0.26	670.20	2830.51	0.0650	0.007	
0.36	670.30	4018.70	0.0923	0.015	
0.46	670.40	4592.23	0.1054	0.025	
0.56	670.50	4717.58	0.1083	0.036	
0.66	670.60	4796.54	0.1101	0.047	
0.76	670.70	4875.47	0.1119	0.058	
0.86	670.80	4954.31	0.1137	0.069	
0.96	670.90	5033.06	0.1155	0.081	
1.06	671.00	5111.73	0.1173	0.092	
1.16	671.10	5190.35	0.1192	0.104	
1.26	671.20	5269.12	0.1210	0.116	
1.36	671.30	5348.19	0.1228	0.128	
1.46	671.40	5427.77	0.1246	0.141	
1.56	671.50	5507.93	0.1264	0.153	
1.66	671.60	5588.72	0.1283	0.166	
1.76	671.70	5669.93	0.1302	0.179	
1.86	671.80	5751.48	0.1320	0.192	
1.96	671.90	5833.34	0.1339	0.205	
2.06	672.00	5915.51	0.1358	0.219	
2.16	672.10	5997.98	0.1377	0.232	
2.26	672.20	6080.76	0.1396	0.246	
2.36	672.30	6163.84	0.1415	0.260	
2.46	672.40	6247.18	0.1434	0.275	
2.56	672.50	6330.78	0.1453	0.289	
2.66	672.60	6414.62	0.1473	0.304	
2.76	672.70	6498.69	0.1492	0.319	
2.86	672.80	6583.00	0.1511	0.334	
2.96	672.90	6667.63	0.1527	0.349	
3.06	673.00	6752.58	0.1541	0.364	
3.16	673.10	6737.05	0.1556	0.380	
3.26	673.20	6822.03	0.1571	0.395	
3.36	673.30	6907.49	0.1586	0.411	
3.46	673.40	6992.51	0.1601	0.427	
3.56	673.50	7077.65	0.1616	0.443	
3.66	673.60	7162.93	0.1631	0.459	
3.76	673.70	7248.40	0.1646	0.476	
3.86	673.80	7334.07	0.1661	0.492	
3.96	673.90	7420.04	0.1676	0.509	
4.06	674.00	7506.31	0.1691	0.526	
4.16	674.10	7592.88	0.1706	0.543	
4.26	674.20	7679.83	0.1721	0.560	
4.36	674.30	7767.11	0.1737	0.577	
4.46	674.40	7854.72	0.1752	0.595	
4.56	674.50	7942.65	0.1768	0.612	
4.66	674.60	8030.91	0.1783	0.630	
4.76	674.70	8119.48	0.1799	0.648	
4.86	674.80	8208.36	0.1814	0.666	
4.96	674.90	8297.52	0.1830	0.684	
5.06	675.00	8386.93	0.1845	0.702	
5.16	675.10	8476.58	0.1861	0.721	
5.26	675.20	8566.47	0.1877	0.740	
5.36	675.30	8656.60	0.1893	0.759	
5.46	675.40	8746.97	0.1909	0.778	
5.56	675.50	8837.58	0.1925	0.797	

Lower Pond Results					
Storm (year)	Peak Inflow (cfs)	Peak Outflow (cfs)	WSEL	Storage (ac-ft)	Freeboard
1	8.40	6.05	672.16	0.141	3.34
5	13.08	9.64	672.93	0.238	2.57
100	30.81	20.40	674.49	0.529	1.01

Outfall Structure:

- Structure A: 8" circular orifice FL=669.60
- Structure B: 24" x 8" orifice opening FL=671.50
- Structure C: 12" rectangular weir (4'x4" inlet) FL=673.15
- Outfall Pipe: 21" RCP outlet pipe at 0.50% FL=667.67
- Overflow: 62" broad crested weir FL=674.50

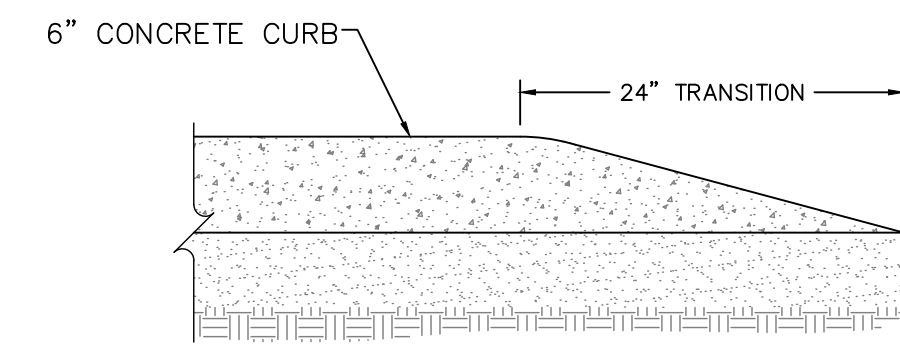
Top of Bank: 675.50

Stage-Storage-Discharge Table											
Stage	Elevation	Area (sq. ft.)	Area (acres)	Total Storage (ac-ft)	8" Orifice Discharge (cfs)	24" x 8" Orifice Discharge (cfs)	12" Weir Discharge (cfs)	Downstream Weir Discharge (cfs)	62" Weir Discharge (cfs)		
0.00	669.60	266.23	0.0061	0.000	0.00	0.00	0.00	0.00	0.00		
0.30	669.90	618.78	0.0142	0.002	0.11	0.00	0.00	0.00	0.00		
0.60	670.20	899.38	0.0206	0.004	0.23	0.00	0.00	0.00	0.00		
0.90	670.50	1031.84	0.0237	0.006	0.39	0.00	0.00	0.00	0.00		
1.20	670.80	1167.12	0.0268	0.009	0.58	0.00	0.00	0.00	0.00		
1.50	671.10	1305.23	0.0298	0.011	0.80	0.00	0.00	0.00	0.00		
1.80	671.40	1446.17	0.0332	0.015	1.02	0.00	0.00	0.00	0.00		
2.10	671.70	1589.93	0.0365	0.018	1.15	0.00	0.00	0.00	0.00		
2.40	672.00	1736.87	0.0399	0.022	1.26	0.00	0.00	0.00	0.00		
2.70	672.30	1887.21	0.0433	0.026	1.37	0.00	0.00	0.00	0.00		
3.00	672.60	2040.94	0.0468	0.030	1.47	0.00	0.00	0.00	0.00		
3.30	672.90	2197.67	0.0505	0.035	1.56	0.00	0.00	0.00	0.00		
3.60	673.20	2357.33	0.0541	0.041	1.65	0.00	0.00	0.00	0.00		
3.90	673.50	2519.98	0.0578	0.046	1.73	0.00	0.00	0.00	0.00		
4.20	673.80	2685.51	0.0617	0.052	1.81	0.00	0.00	0.00	0.00		
4.50	674.10	2854.51	0.0655	0.059	1.89	0.00	0.00	0.00	0.00		
4.80	674.40	3026.92	0.0695	0.065	1.96	0.00	0.00	0.00	0.00		
5.10	674.70	3203.14	0.0737	0.072	2.03	0.00	0.00	0.00	0.00		
5.40	675.00	3382.08	0.0782	0.080	2.10	0.00	0.00	0.00	0.00		
5.70	675.30	3564.78	0.0831	0.088	2.29	0.00	0.00	0.00	0.00		
6.00	675.60	3751.62	0.0881	0.096	2.46	0.00	0.00	0.00	0.00		
6.30	675.90	3942.08	0.0932	0.105	2.62	0.00	0.00	0.00	0.00		
6.60	676.20	4137.03	0.0985	0.114	2.83	0.00	0.00	0.00	0.00		
6.90	676.50	4336.43	0.0999	0.124	3.08	0.00	0.00	0.00	0.00		
7.20	676.80	4539.91	0.1045	0.134	3.34	0.00	0.00	0.00	0.00		
7.50	677.10	4747.93	0.1091	0.144	3.61	0.00	0.00	0.00	0.00		
7.80	677.40	4959.66	0.1138	0.156	3.97	0.00	0.00	0.00	0.00		
8.10	677.70	5186.18	0.1186	0.168	4.47	0.00	0.00	0.00	0.00		
8.40	678.00	5427.77	0.1235	0.181	5.15	0.00	0.00	0.00	0.00		
8.70	678.30	5684.51	0.1285	0.195	5.97	0.00	0.00	0.00	0.00		
9.00	678.60	5946.69	0.1337	0.210	6.97	0.00	0.00	0.00	0.00		
9.30	678.90	6214.42	0.1391	0.226	8.27	0.00	0.00	0.00	0.00		
9.60	679.20	6487.80	0.1447	0.243	9.92	0.00	0.00	0.00	0.00		
9.90	679.50	6766.93	0.1505	0.261	12.00	0.00	0.00	0.00	0.00		
10.20	679.80	7051.91	0.1565	0.280	14.67	0.00	0.00	0.00	0.00		
10.50	680.10	7342.84	0.1627	0.301	18.00	0.00	0.00	0.00	0.00		
10.80	680.40	7639.81	0.1691	0.323	22.17	0.00	0.00	0.00	0.00		
11.10	680.70	7942.93	0.1758	0.347	27.30	0.00	0.00	0.00	0.00		
11.40	681.00	8252.30	0.1827	0.373	33.60	0.00	0.00	0.00	0.00		
11.70	681.30	8568.03	0.1899	0.401	41.20	0.00	0.00	0.00	0.00		
12.00	681.60	8890.21	0.1973	0.431	50.30	0.00	0.00	0.00	0.00		
12.30	681.90	9219.03	0.2050	0.463	61.10	0.00	0.00	0.00	0.00		
12.60	682.20	9554.58	0.2131	0.497	73.80	0.00	0.00	0.00	0.00		
12.90	682.50	9896.96	0.2215	0.533	88.70	0.00	0.00	0.00	0.00		
13.20	682.80	10246.27	0.2302	0.571	106.00	0.00	0.00	0.00	0.00		
13.50	683.10	10602.61	0.2392	0.611	126.00	0.00	0.00	0.00	0.00		
13.80	683.40	10966.07	0.2485	0.653	149.00	0.00	0.00	0.00	0.00		
14.10	683.70	11336.74	0.2581	0.700	175.00	0.00	0.00	0.00	0.00		
14.40	684.00	11714.71	0.2680	0.751	215.00	0.00	0.00	0.00	0.00		
14.70	684.30	12100.07	0.2781	0.807	270.00	0.00	0.00	0.00	0.00		
15.00	684.60	12492.91	0.2884	0.868	342.00	0.00	0.00	0.00	0.00		
15.30	684.90	12893.32	0.2989	0.934	433.00	0.00	0.00	0.00	0.00		
15.60	685.20	13301.40	0.3096	1.006	546.00	0.00	0.00	0.00	0.00		
15.90	685.50	13717.25	0.3205	1.084	684.00	0.00	0.00	0.00	0.00		
16.20	685.80	14140.96	0.3316	1.168	850.00	0.00	0.00	0.00	0.00		
16.50	686.10	14572.63	0.3429	1.258	1047.00	0.00	0.00	0.00	0.00		
16.80	686.40	15012.35	0.3543	1.354	1278.00	0.00	0.00	0.00	0.00		
17.10	686.70	15460.11	0.3659	1.456	1547.00	0.00	0.00	0.00	0.00		
17.40	687.00	15916.01	0.3776	1.564	1958.00	0.00	0.00	0.00	0.00		
17.70	687.30	16380.14	0.3895	1.678	2516.00	0.00	0.00	0.00	0.00		
18.00	687.60	16852.51	0.4016	1.798	3236.00	0.00	0.00	0.00	0.00		
18.30	687.90	17333.22	0.4139	1.924	4134.00	0.00	0.00	0.00	0.00		
18.60	688.20	17822.37	0.4264	2.056	5216.00	0.00	0.00	0.00	0.00		
18.90	688.50	18319.96	0.4391	2.194	6498.00	0.00	0.00	0.00	0.00		
19.20	688.80	18826.09	0.4520	2.338	7986.00	0.00	0.00	0.00	0.00		
19.50	689.10	19340.85	0.4651	2.488	9686.00	0.00	0.00	0.00	0.00		
19.80	689.40	19864.34	0.4784	2.644	11604.00	0.00	0.00	0.00	0.00		
20.10	689.70	20396.56	0.4919	2.806	13846.00	0.00	0.00	0.00			

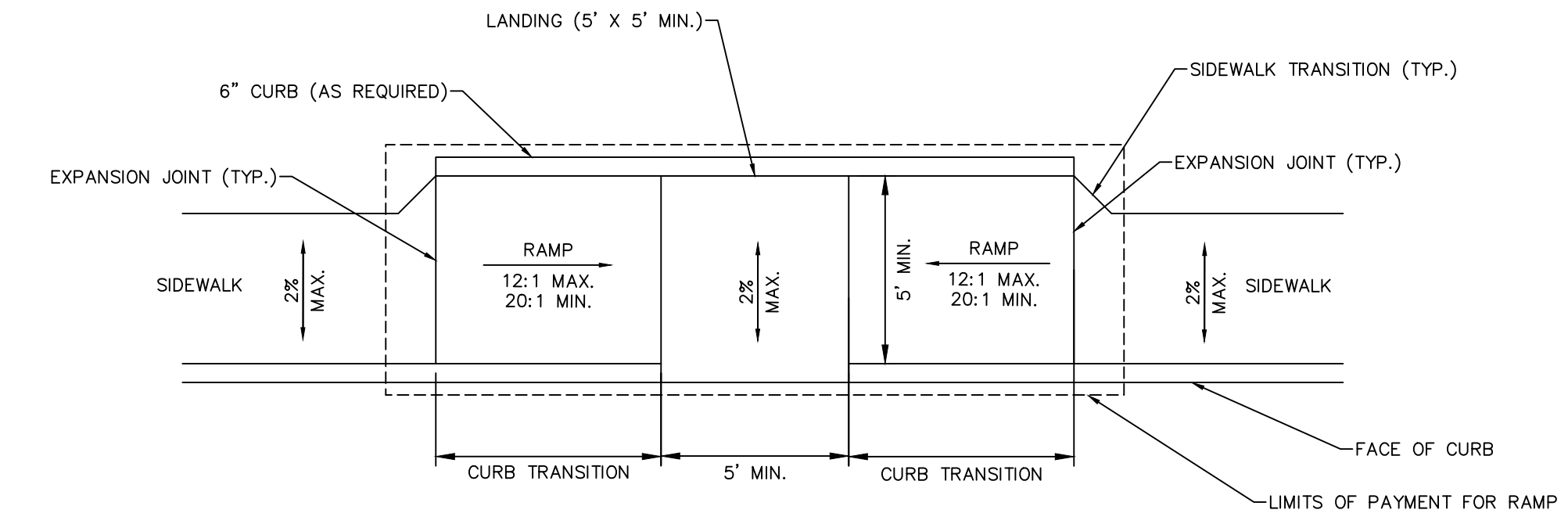




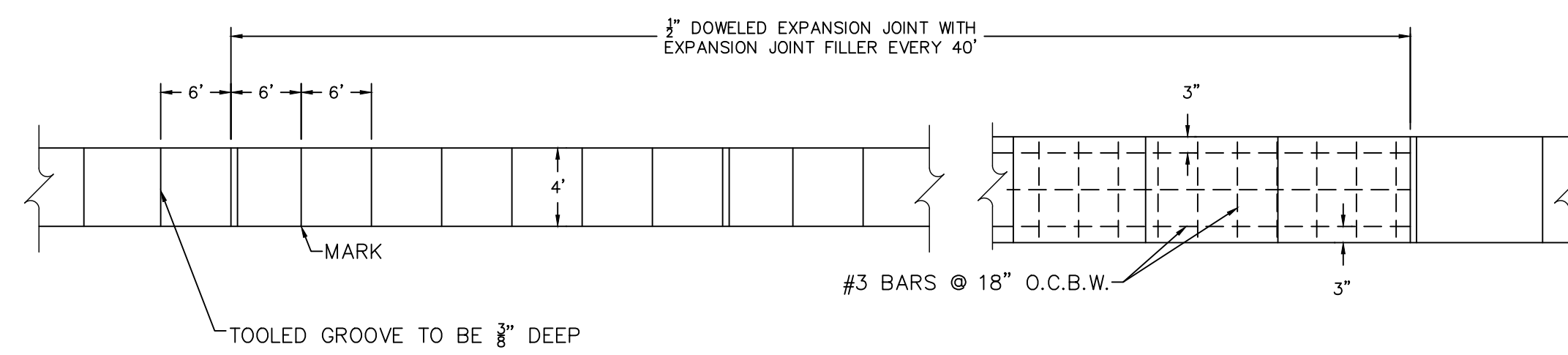




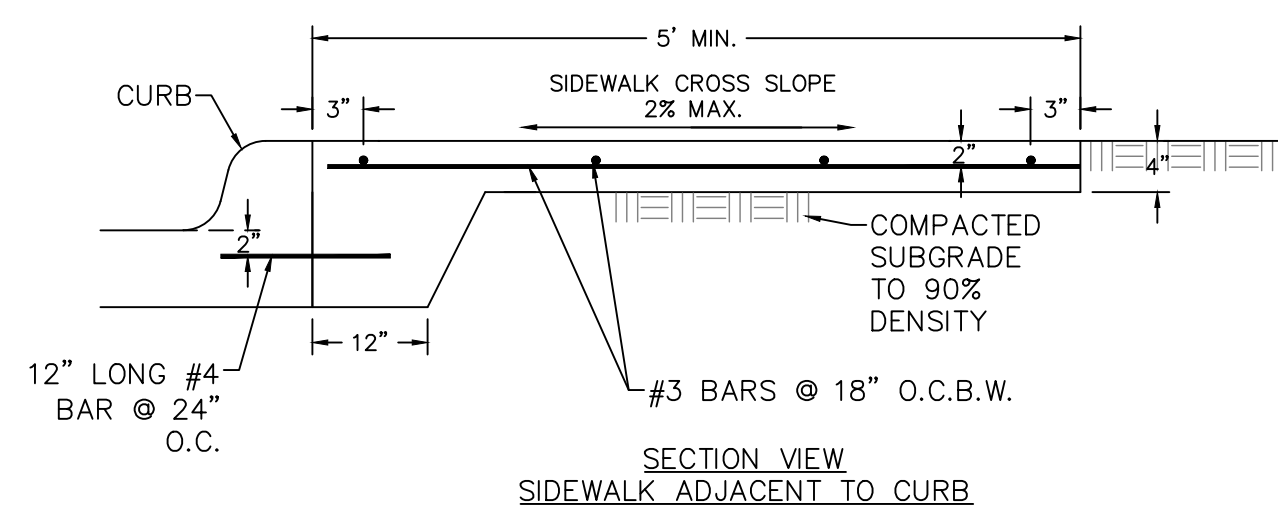
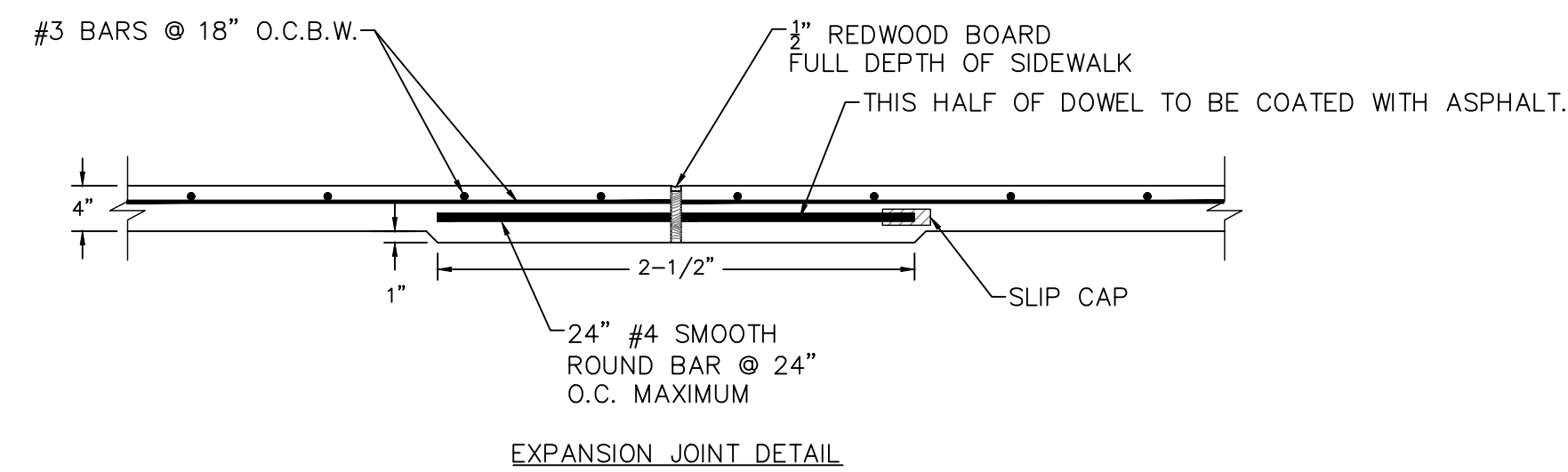
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 NOT TO SCALE



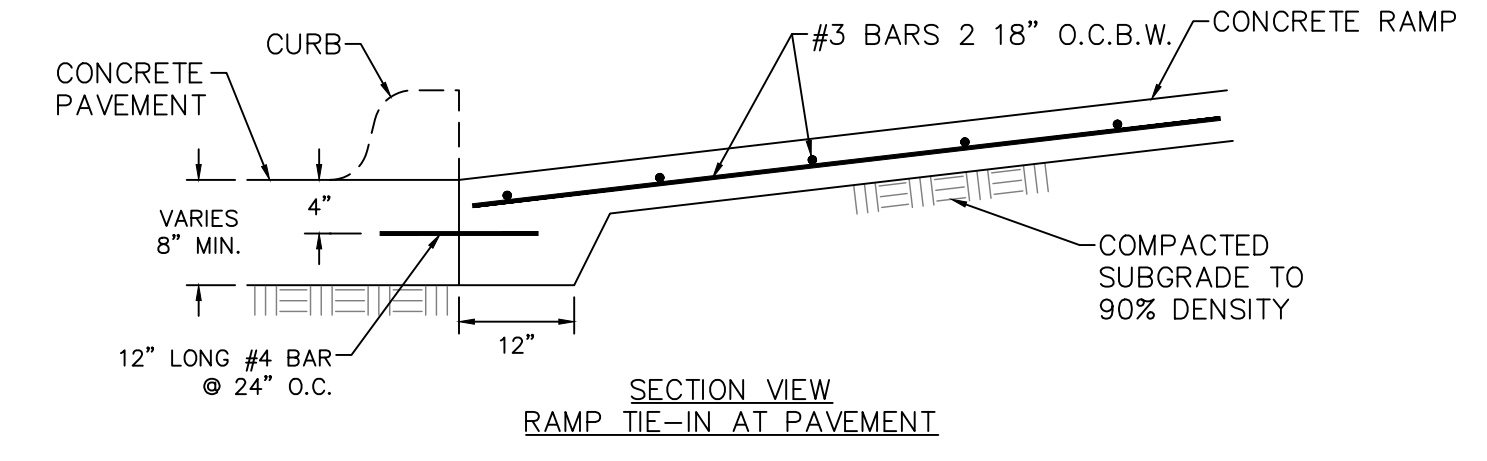
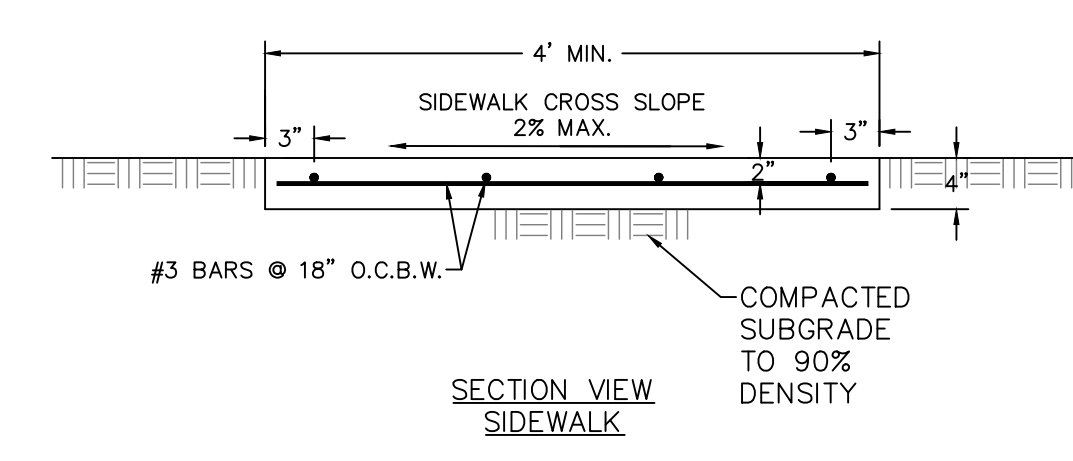
2 MID-BLOCK RAMP  
 (SIDEWALK ADJACENT TO CURB)  
 NOT TO SCALE



NOTES:  
 1. "W"=SIDEWALK WIDTH 4' MIN. 5' IF SIDEWALK IS ADJACENT TO CURB, OR GREATER AS INDICATED ON THE PLANS.  
 PLAN  
 REINFORCED CONCRETE SIDEWALK



1 SIDEWALK DETAILS  
 NOT TO SCALE



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8/20/2024  
 STATE OF TEXAS  
 VALERIE ARRUDA  
 151600  
 LICENSED PROFESSIONAL ENGINEER  
 FOR BID ONLY

PROJECT NUMBER: 3788-00-01  
 PROJECT MANAGER: R. CRONIN  
 DRAWN BY: G. SANCHEZ  
 CHECKED BY: V. ARRUDA  
 ISSUE DATE: 8/20/2024

REV.	DATE	DESCRIP.	BY

SHEET CONTENT:  
**PAVING DETAILS**

SHEET NO:  
**C11.2**

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REV.	DATE	DESCRIP.	BY

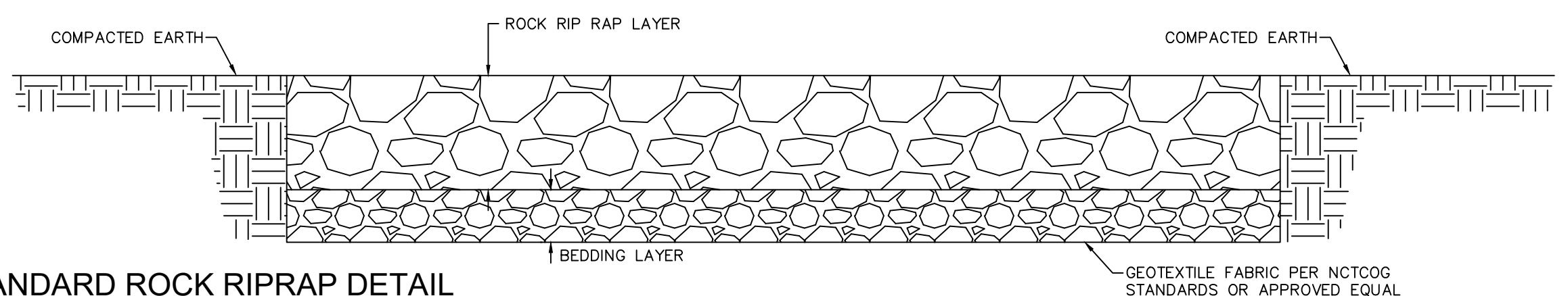
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**STORM DRAIN  
DETAILS**

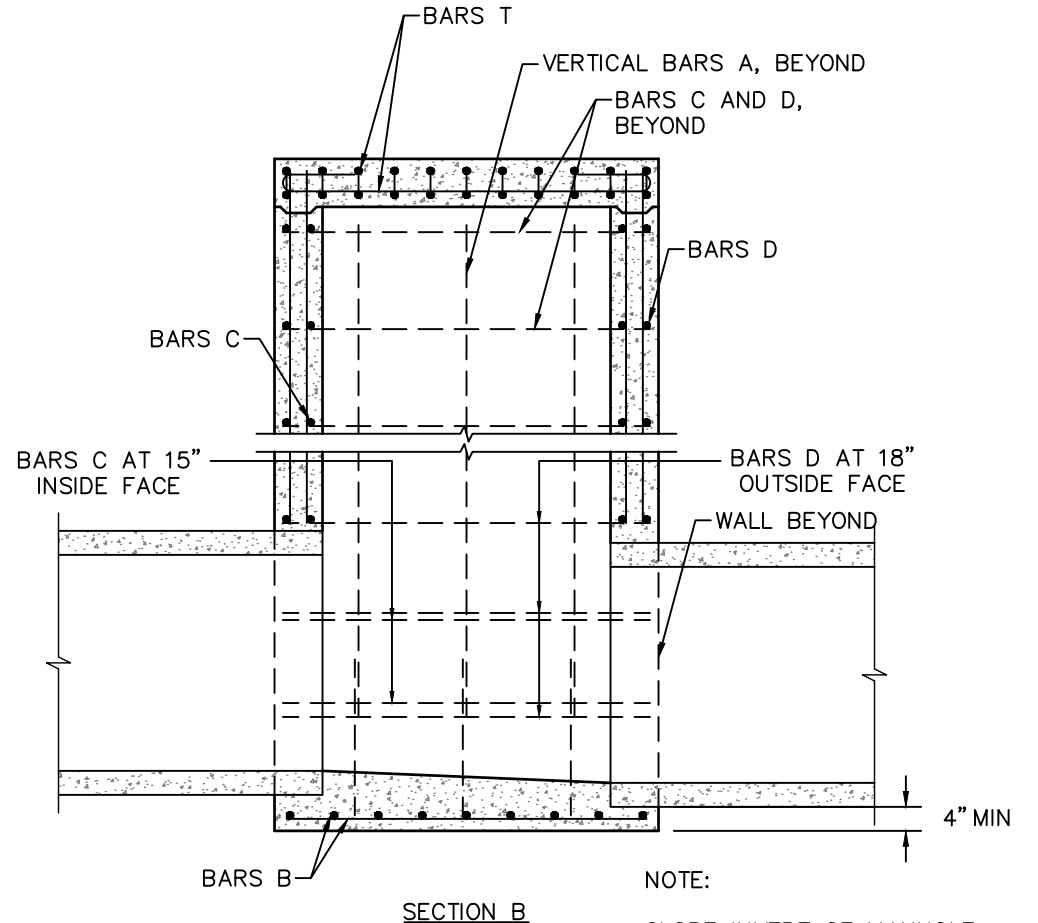
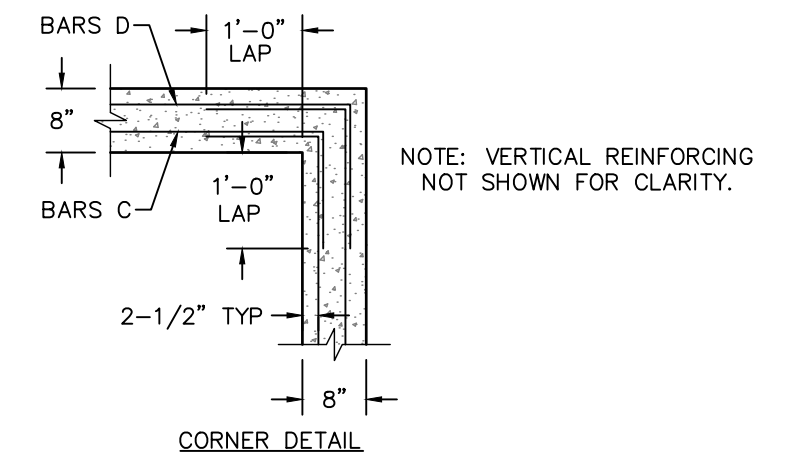
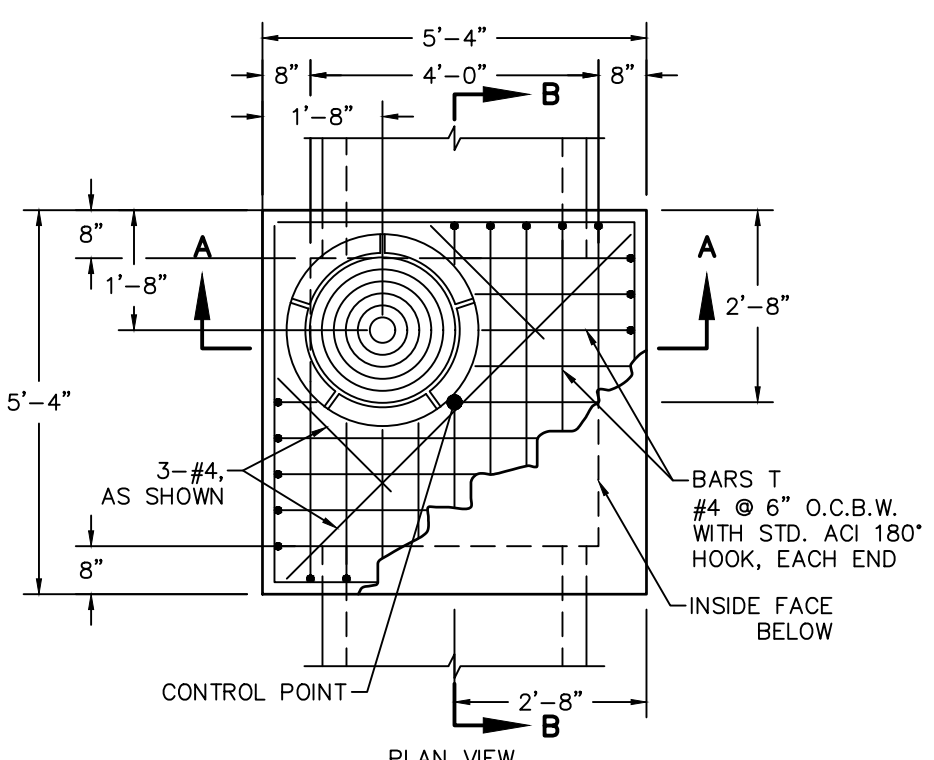
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**C11.3**

RIPRAP GRADATIONS	
12" THICKNESS OF RIPRAP	
SIEVE SIZE SQUARE MESH	PERCENT PASSING
15 INCH	100
12 INCH	70-100
8 INCH	45-75
6 INCH	30-55
3 INCH	10-30
1-1/2 INCH	0-10

BEDDING GRADATIONS	
6" THICKNESS OF BEDDING	
SIEVE SIZE SQUARE MESH	PERCENT PASSING
3 INCH	100
1-1/2 INCH	55-100
3/4 INCH	25-60
1/2 INCH	5-30
NO.4	0-10



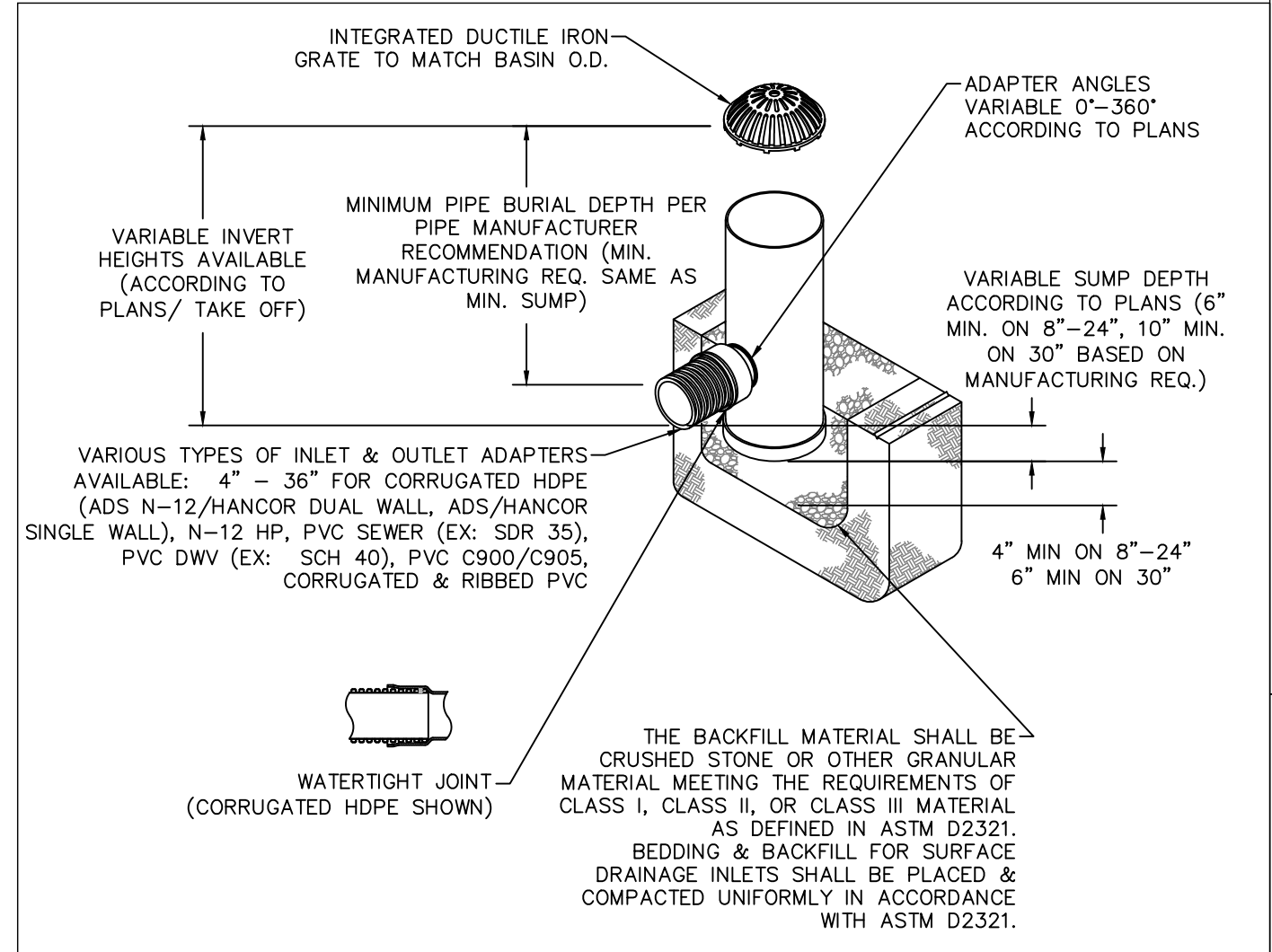
2 STANDARD ROCK RIPRAP DETAIL  
NOT TO SCALE



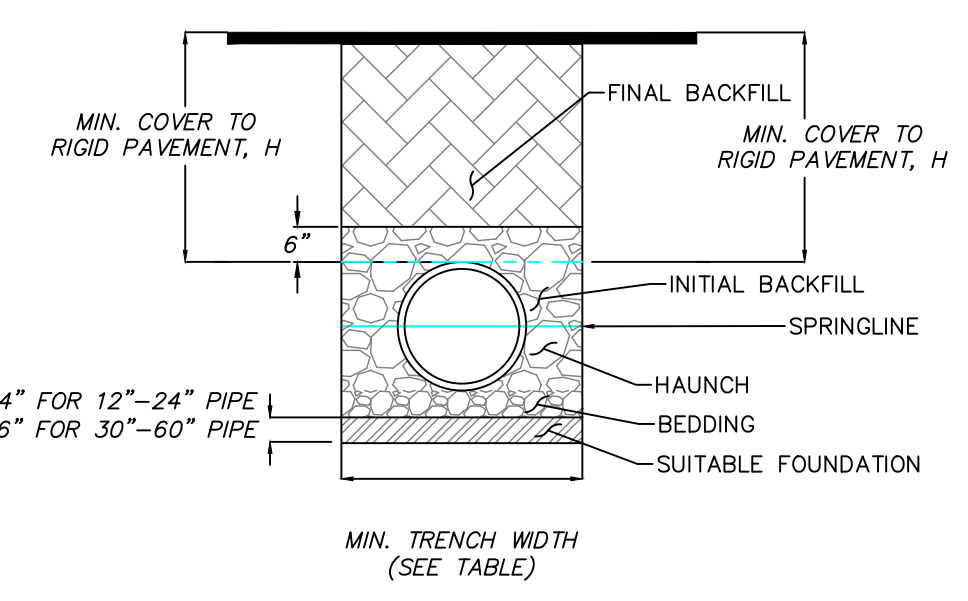
- NOTES:
- ALL CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH  $f_c = 3,000$  PSI AT 28 DAYS.
  - ALL REINFORCING STEEL SHALL BE GRADE 60.
  - ALL REINFORCING STEEL SHALL HAVE MINIMUM 2" COVER TO CENTER OF BAR, UNLESS NOTED OTHERWISE.
  - ALL DIMENSIONS RELATING TO REINFORCING ARE TO CENTER OF BARS.
  - LOCATION OF STRUCTURE AS SHOWN IN PLANS REFERS TO CONTROL POINT SHOWN ON THIS DETAIL.
  - FIELD CUT AND BEND BARS AS NECESSARY TO ACCOMMODATE STORM DRAIN PIPE PER TYPICAL MANHOLE / PIPE PENETRATION DETAIL.
  - MAXIMUM PIPE INSIDE DIAMETER FOR WALL PENETRATIONS.

JUNCTION BOX SIZE	DIAMETER
4" SQUARE	36"
5" SQUARE	48"
6" SQUARE	60"

1 STANDARD 4' SQUARE JUNCTION BOX  
NOT TO SCALE



4 DRAIN BASIN WITH DOME GRATE  
NOT TO SCALE



RECOMMENDED MINIMUM TRENCH WIDTHS

PIPE DIAM.	MIN. TRENCH WIDTH
4"	21"
6"	23"
8"	26"
10"	28"
12"	30"
15"	34"
18"	39"
24"	48"
30"	56"
36"	64"
42"	72"
48"	80"
60"	96"

MAXIMUM RECOMMENDED COVER BASED ON VEHICLE LOADING CONDITIONS

PROP	CLASS I		CLASS II	
	COMPACT ED	DUMPED	95%	90%
4"	34	16	23	16
6"	40	19	27	19
8"	30	14	21	14
10"	34	16	23	16
12"	35	17	24	17
15"	37	18	25	18
18"	32	15	22	15
24"	27	13	19	13
30"	22	11	16	11
36"	26	12	18	12
42"	24	11	17	11
48"	23	11	16	11
60"	26	12	18	12

MINIMUM RECOMMENDED COVER BASED ON VEHICLE LOADING CONDITIONS\*\*

PIPE DIAM.	SURFACE LIVE LOADING CONDITION	
	H-25	HEAVY CONSTRUCTION (75T AXLE LOAD)*
12" - 48"	12"	48"
60"	24"	60"

\* VEHICLES IN EXCESS OF 75T MAY REQUIRE ADDITIONAL COVER  
\*\* SEE BACKFILL REQUIREMENTS IN NOTE 6

3 STORM HDPE DRAINAGE STANDARD EMBEDMENT  
NOT TO SCALE





ST. TERESA OF CALCUTTA CATHOLIC CHURCH  
 FORT WORTH, TEXAS  
 SEWER DETAILS

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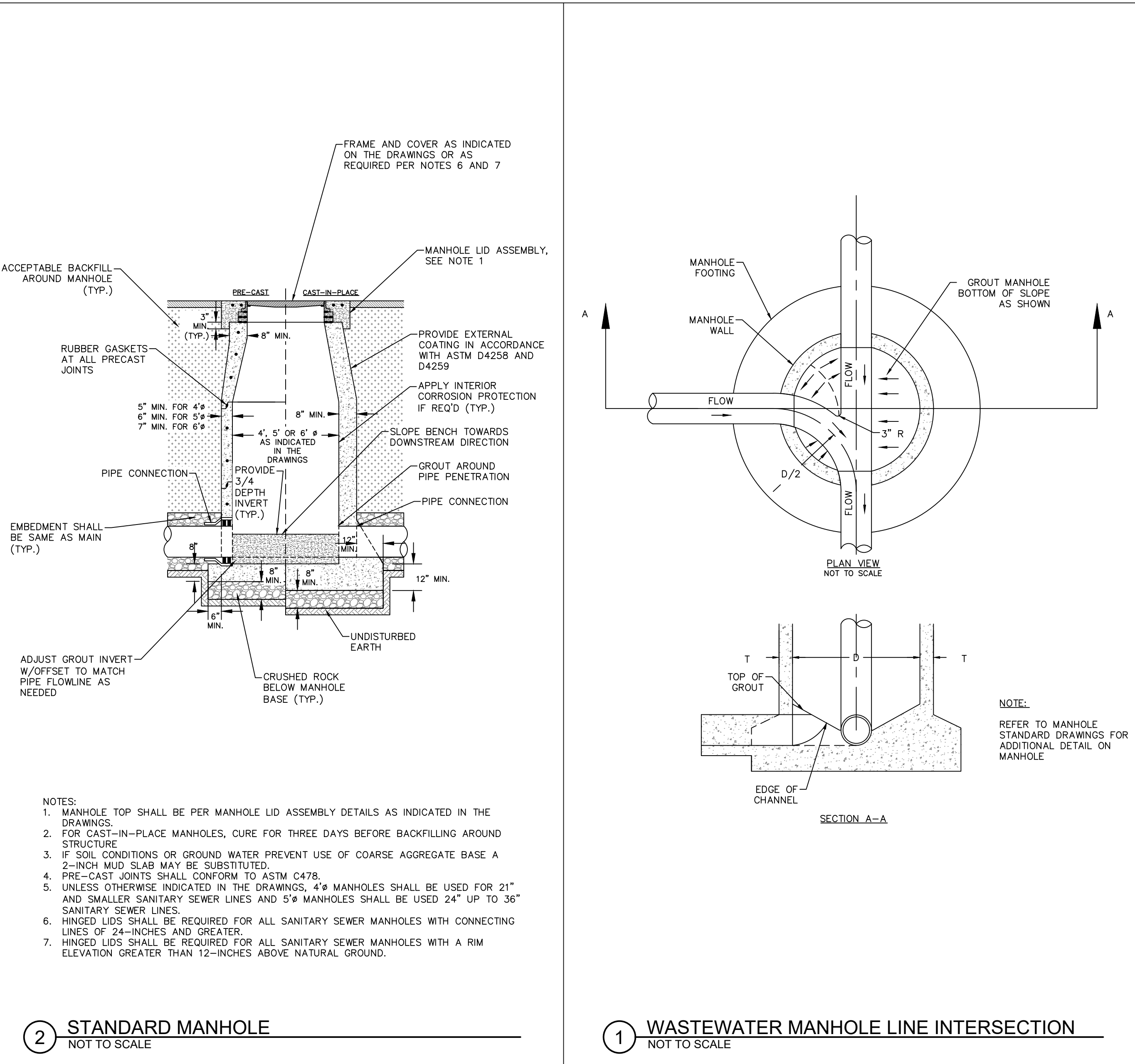
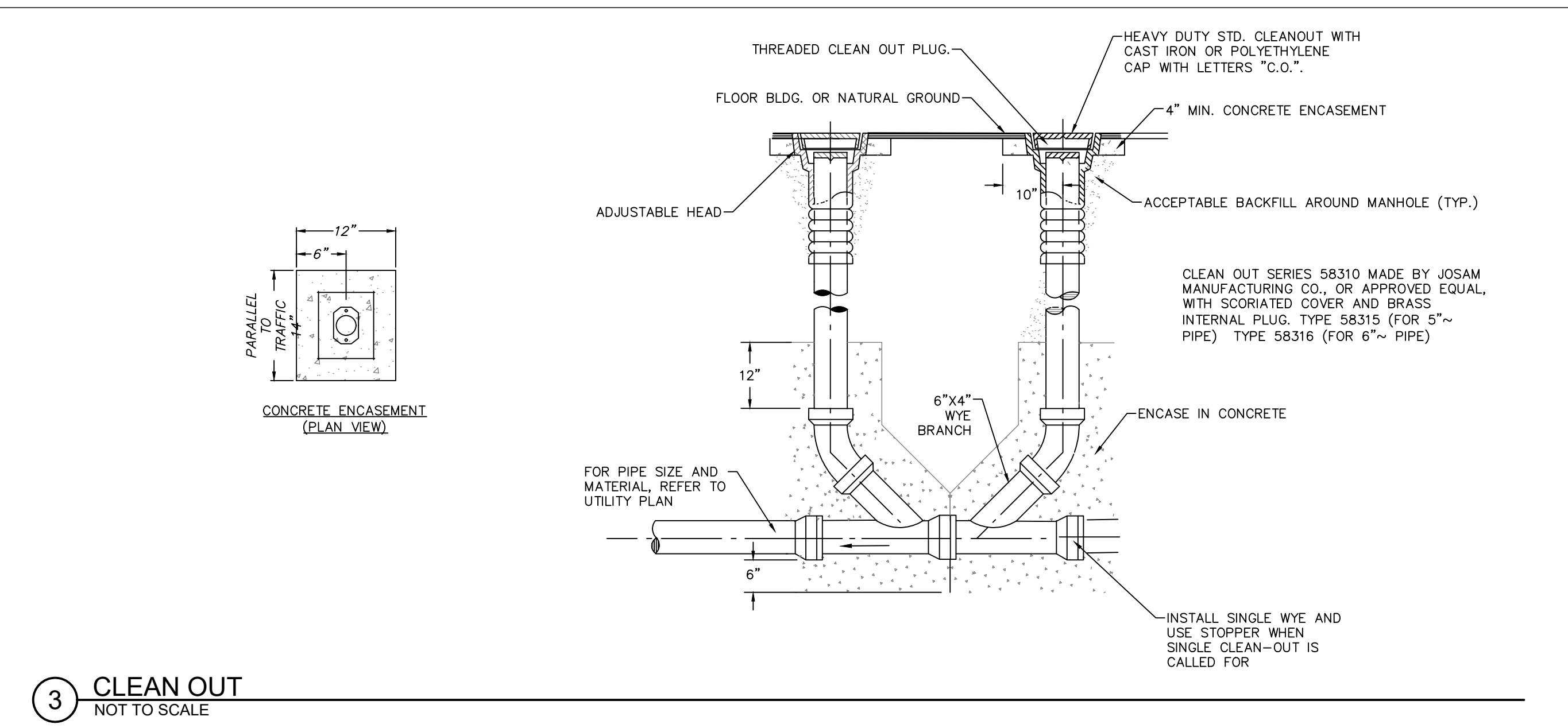
8/20/2024  
 STATE OF TEXAS  
 VALERIE ARRUDA  
 151600  
 LICENSED PROFESSIONAL ENGINEER  
 FOR BID ONLY

PROJECT NUMBER: 3788-00-01  
 PROJECT MANAGER: R. CRONIN  
 DRAWN BY: G. SANCHEZ  
 CHECKED BY: V. ARRUDA  
 ISSUE DATE: 8/20/2024

REV.	DATE	DESCRIP.	BY

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**SEWER DETAILS**

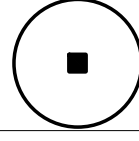
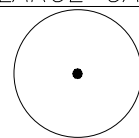
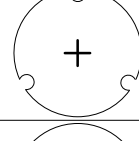
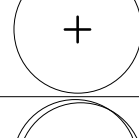
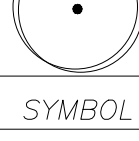
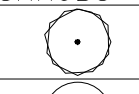
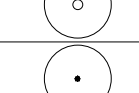
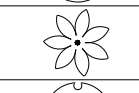
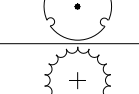
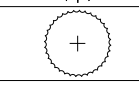

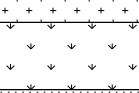




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**C11.5**  
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- NOTES:
1. MANHOLE TOP SHALL BE PER MANHOLE LID ASSEMBLY DETAILS AS INDICATED IN THE DRAWINGS.
  2. FOR CAST-IN-PLACE MANHOLES, CURE FOR THREE DAYS BEFORE BACKFILLING AROUND STRUCTURE.
  3. IF SOIL CONDITIONS OR GROUND WATER PREVENT USE OF COARSE AGGREGATE BASE A 2-INCH MUD SLAB MAY BE SUBSTITUTED.
  4. PRE-CAST JOINTS SHALL CONFORM TO ASTM C478.
  5. UNLESS OTHERWISE INDICATED IN THE DRAWINGS, 4" MANHOLES SHALL BE USED FOR 21" AND SMALLER SANITARY SEWER LINES AND 5" MANHOLES SHALL BE USED 24" UP TO 36" SANITARY SEWER LINES.
  6. HINGED LIDS SHALL BE REQUIRED FOR ALL SANITARY SEWER MANHOLES WITH CONNECTING LINES OF 24-INCHES AND GREATER.
  7. HINGED LIDS SHALL BE REQUIRED FOR ALL SANITARY SEWER MANHOLES WITH A RIM ELEVATION GREATER THAN 12-INCHES ABOVE NATURAL GROUND.

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## PLANT SCHEDULE

SYMBOL	CODE	QTY	COMMON / BOTANICAL NAME	CALIPER	CONTAINER	HEIGHT	SPREAD
<b>EXISTING TREE</b>							
	EX	9	EXISTING TREE TO REMAIN	-			MIN. 8' SPREAD
<b>LARGE CANOPY TREE</b>							
	CE	6	CEDAR ELM ULMUS CRASSIFOLIA 2,000 S.F. CANOPY COVERAGE CREDIT	2-1/2" CAL.	B&B OR CONTAINER	11'-12' HT.	MIN. 8' SPREAD
	CO	6	CHINQUAPIN OAK QUERCUS MUEHLENBERGII 2,000 S.F. CANOPY COVERAGE CREDIT	2-1/2" CAL.	B&B OR CONTAINER	11'-12' HT.	MIN. 8' SPREAD
	LO	1	LIVE OAK QUERCUS VIRGINIANA 2,000 S.F. CANOPY COVERAGE CREDIT	2-1/2" CAL.	B&B OR CONTAINER	11'-12' HT.	MIN. 8' SPREAD
	RO	4	SHUMARD RED OAK QUERCUS SHUMARDII 2,000 S.F. CANOPY COVERAGE CREDIT	2-1/2" CAL.	B&B OR CONTAINER	11'-12' HT.	MIN. 8' SPREAD
SYMBOL	CODE	QTY	COMMON / BOTANICAL NAME	CALIPER	CONTAINER	HEIGHT	SPREAD
<b>SHRUBS</b>							
	AS	111	AUTUMN SAGE 'RASPBERRY' SALVIA GREGGII	5 GAL.			
	BLG	24	BLUE GRAMA BOUTELLOUA GRACILIS 'BLONDE AMBITION'	5 GAL.			
	CH	64	CARISSA HOLLY ILEX CORNUTA 'CARISSA'	5 GAL.			
	AA	13	CENTURY PLANT AGAVE AMERICANA	5 GAL.			
	DBH	120	DWARF BURFORD HOLLY ILEX CORNUTA 'BUFORDII NANA'	5 GAL.			
	GL	12	GIANT LIRIOPE LIRIOPE GIGANTEA	2 GAL.			
	LM	66	LINDHEIMER'S MUHLY MUHLENBERGIA LINDHEIMERI	5 GAL.			
SYMBOL	CODE	QTY	COMMON / BOTANICAL NAME	CALIPER	CONTAINER	HEIGHT	SPREAD
<b>GROUND COVERS</b>							
	ETA	2,751 SF	EXISTING TURF AREA	-			
	DMSA	14,204 SF	DEL MAR ST. AUGUSTINE GRASS STENOTAPHRUM SECUNDATUM 'DEL MAR'	SOLID SOD			
	TIF	101,646 SF	TIF 419 BERMUDAGRASS CYNODON DACTYLON 'TIF 419'	SOLID SOD OR HYDROMULCH			
<b>MATERIALS</b>							
	SHM	1,721 SF	SHREDDED HARDWOOD MULCH	SQ. FT.			

## PLANT MATERIAL NOTES AND SPECIFICATION

ALL TREES TO BE UNIFORM BY SPECIES WITH STRAIGHT TRUNKS, MATCHING CHARACTER, AND FULL BRANCHING STRUCTURE.

ALL SHRUBS TO BE FULL AND UNIFORM BY SPECIES WITH MATCHING CHARACTER AND BRANCHING STRUCTURE.

EACH PLANT VARIETY MUST COME FROM A SINGLE SOURCE SUPPLIER IN ORDER TO MAINTAIN A CONSISTENT APPEARANCE.

ALL TREES, B&B AND CONTAINER TO BE NURSERY GROWN STOCK, WITH A WELL ESTABLISHED ROOT SYSTEM. COLLECTED SPECIMENS WILL BE REJECTED. CONTAINER GROWN PLANT MATERIAL MUST HAVE A WELL-ESTABLISHED ROOT SYSTEM REACHING THE SIDES OF THE CONTAINER, ABLE TO MAINTAIN A FIRM BALL WHEN THE CONTAINER IS REMOVED, BUT SHALL NOT HAVE EXCESSIVE ROOT GROWTH ENCIRCLING THE INSIDE OF THE CONTAINER.

ALL PLANT MATERIAL SHALL COMPLY WITH THE MINIMUM REQUIREMENTS AS SET FORTH BY THE AMERICAN ASSOCIATION OF NURSERYMEN, TEXAS ASSOCIATION OF NURSERYMEN STANDARDS AND/OR AS STATED IN THE PLANT SCHEDULE, WHICHEVER IS MORE STRINGENT. ALL TREES MUST MEET ALL THREE SPECIFICATIONS IN THE PLANT LEGEND: CALIPER, HEIGHT AND SPREAD.

### GENERAL UTILITY NOTES:

- ALL EXISTING UTILITY DATA IS PROVIDED FOR INFORMATION ONLY. ALTHOUGH THIS DATA IS SHOWN AS ACCURATELY AS POSSIBLE, THE CONTRACTOR IS CAUTIONED THAT THE OWNER AND THE ENGINEER NEITHER ASSUMES NOR IMPLIES ANY RESPONSIBILITY FOR THE ACCURACY OF THIS DATA. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO CONTACT THE UTILITY AFFECTED AND VERIFY THESE LOCATIONS AND ELEVATIONS PRIOR TO CONSTRUCTION.
- CALL 811 OR OTHER UTILITY LOCATING SERVICES 48 HOURS PRIOR TO CONSTRUCTION ACTIVITY. MMA, INC. IS NOT RESPONSIBLE FOR KNOWING ALL EXISTING UTILITIES OR DEPICTING EXACT LOCATIONS OF UTILITIES ON DRAWINGS.

### IRRIGATION NOTES:

- ALL LANDSCAPE PLANTINGS PROPOSED IN THIS PLAN WILL BE IRRIGATED WITH AN AUTOMATIC, UNDERGROUND IRRIGATION SYSTEM.
- IRRIGATION SYSTEM WILL BE EQUIPPED WITH A RAIN AND FREEZE SENSOR CAPABLE OF SHUTTING DOWN THE SYSTEM WHEN DICTATED BY RAINFALL OR FREEZING CONDITIONS.
- IRRIGATION SYSTEM DESIGN WILL MEET ALL REQUIREMENTS OF THE CITY OF ARLINGTON, THE TEXAS COMMISSION ON ENVIRONMENTAL QUALITY, AND ALL APPLICABLE PLUMBING CODES.
- IRRIGATION DESIGN DRAWINGS WILL BE SUBMITTED UNDER A SEPARATE COVER AT A LATER DATE FOR IRRIGATION PERMITTING.

## LANDSCAPE DATA

PROPOSED USE	RELIGIOUS FACILITY		
PROPOSED ZONING	'E' COMMERCIAL		
GROSS SITE AREA	466,219.80 SQ. FT.		
ARTIFICIAL LOT AREA	225,152 SQ. FT.		
BUILDING FOOTPRINT	20,001 SQ. FT.		
NET SITE AREA	205,151 SQ. FT.		
ELEMENT	REQUIREMENT	REQUIRED	PROVIDED
REQUIRED LANDSCAPE AREA	10% OF NET SITE AREA	205,151 @ 10% = 20,515 SQ. FT.	118,601 SQ. FT.
5 GALLON SHRUBS	1 PER 50 SQ. FT. OR REQUIRED LANDSCAPE AREA	20,515 / 50 = 410 (5) GALLON SHRUBS REQUIRED	410 (5) GALLON SHRUBS
LOCATION OF REQUIRED LANDSCAPE AREA	75% OF REQUIRED LANDSCAPE AREA MUST BE LOCATED IN THE FRONT YARD BETWEEN THE BUILDING AND THE R.O.W.	20,513 SQ. FT. @ 75% = 15,385 SQ. FT. OF LANDSCAPE REQUIRED IN FRONT YARD	MINIMUM OF 15,385 SQ. FT. OF LANDSCAPE IN FRONT YARD
LOCATION OF REQUIRED 5 GALLON SHRUBS	75% OF 746 REQUIRED (5) GALLON SHRUBS MUST BE LOCATED IN FRONT YARD	410 @ 75% = 308 (5) GALLON SHRUBS MUST BE LOCATED IN THE FRONT YARD	410, (5) GALLON SHRUBS IN FRONT YARD

### HYDROMULCH PROCEDURE:

- REMOVE FOREIGN MATERIALS, WEEDS, AND UNDESIRABLE PLANTS AND THEIR ROOTS.
- WOOD FIBER: SUITABLE FOR USE WITH THE HYDRAULIC APPLICATION OF GRASS SEED AND FERTILIZER. SHALL CONSIST OF SPECIALLY PREPARED WOOD CELLULOSE FIBER, PROCESSED TO CONTAIN NO GROWTH - OR GERMINATION - INHIBITING FACTORS AND DYED AN APPROPRIATE COLOR TO FACILITATE VISUAL METERING OF APPLICATION OF THE MATERIALS. THE WOOD CELLULOSE SHALL BE PLACED IN THE SLURRY TANK WITH FERTILIZERS, GRASS SEEDS, WATER AND ANY OTHER APPROVED ADDITIVES. THE FIBERS IN THE MATERIAL SHALL BECOME UNIFORMLY SUSPENDED TO FORM A HOMOGENEOUS SLURRY. THIS COMBINATION SHALL BE ADEQUATELY BLENDED SO THAT WHEN HYDRAULICALLY SPRAYED ON THE GROUND, THE MATERIAL WILL FORM A BLOTTER-LIKE GROUND COVER IMPREGNATED UNIFORMLY WITH GRASS SEED AND WHICH, AFTER APPLICATION, WILL ALLOW THE ABSORPTION OF MOISTURE FROM RAINFALL OR MECHANICAL WATERING TO PERCOLATE TO THE UNDERLYING SOIL. SUPPLIERS SHALL BE PREPARED TO CERTIFY THAT LABORATORY AND FIELD TESTING OF THEIR PRODUCT HAS BEEN ACCOMPLISHED, AND THAT THEIR PRODUCT MEETS ALL THE FOREGOING REQUIREMENTS BASED UPON SUCH TESTING.
- SPECIAL MULCHING EQUIPMENT AND PROCEDURES: HYDRAULIC EQUIPMENT USED FOR THE APPLICATION OF FERTILIZER, SEED AND SLURRY OF PREPARED WOOD FIBER MULCH SHALL HAVE A BUILT-IN AGITATION SYSTEM WITH AN OPERATING CAPACITY SUFFICIENT TO AGITATE, SUSPEND, AND HOMOGENEOUSLY MIX A SLURRY CONTAINING UP TO FORTY (40) POUNDS OF FIBER PLUS A COMBINED TOTAL OF SEVENTY (70) POUNDS OF FERTILIZER SOLIDS FOR EACH ONE HUNDRED (100) GALLONS OF WATER. THE SLURRY DISTRIBUTION LINES SHALL BE LARGE ENOUGH TO PREVENT STOPPAGE. THE DISCHARGE LINE SHALL BE EQUIPPED WITH A SET OF HYDRAULIC-SPRAY NOZZLES, WHICH PROVIDE EVEN DISTRIBUTION OF THE SLURRY. THE TANK SHALL HAVE A MINIMUM CAPACITY OF ONE THOUSAND (1,000) GALLONS AND SHALL BE MOUNTED ON A TRAVELING UNIT WHICH MAY BE EITHER SELF-PROPELLED OR DRAWN WITH A SEPARATE UNIT WHICH WILL PLACE THE SLURRY TANK AND SPRAY NOZZLES WITHIN SUFFICIENT PROXIMITY TO THE AREAS TO BE SEEDED SO AS TO PROVIDE UNIFORM DISTRIBUTION WITHOUT WASTE. THE OWNER'S REPRESENTATIVE MAY AUTHORIZE EQUIPMENT WITH SMALLER TANK CAPACITY PROVIDED THAT THE EQUIPMENT HAS THE NECESSARY AGITATION SYSTEM AND SUFFICIENT PUMP CAPACITY TO SPRAY THE SLURRY IN A UNIFORM COAT.
- MULCH: THE APPLICATION OF THE WOOD CELLULOSE FIBER MULCH SLURRY SHALL BE MADE WITH THE HYDRAULIC EQUIPMENT SPECIFIED IN POINT "6" AND SHALL BE ACCOMPLISHED IMMEDIATELY UPON COMPLETION OF THE FINAL TILLAGE. THE WOOD CELLULOSE FIBER MULCH SHALL BE APPLIED AT THE RATE OF TWO THOUSAND (2,000) POUNDS PER ACRE (45 LB./1,000 S.F.) IN COMBINATION WITH WATER, FERTILIZER AND SEED AND SHALL BE SPRAYED OVER THE SOIL IN A UNIFORM COAT. THE MULCH SHALL BE KEPT MOIST, BY DAILY APPLICATION OF WATER IF NECESSARY, FOR A MINIMUM OF TEN (10) DAYS OR UNTIL THE SEEDS IN THE MULCH HAVE GERMINATED AND ROOTED IN THE SOIL.
- FERTILIZER: FERTILIZER SHALL BE 10-5-5 AND SHALL BE DISTRIBUTED UNIFORMLY AT THE RATE OF ONE THOUSAND (1,000) POUNDS PER ACRE (25 LB./1,000 S.F.) OVER THE AREAS INDICATED TO BE SEEDED. FERTILIZER SHALL BE APPLIED SIMULTANEOUSLY WITH SEED AND MULCH IN THE HYDRAULIC EQUIPMENT USING THE SPECIFIED RATE OF APPLICATION.
- MAINTAIN SEEDED AREAS UNTIL GRASS IS WELL ESTABLISHED AND EXHIBITS A VIGOROUS GROWING CONDITION FOR TWO CUTTINGS.
- RE-APPLICATION: THE LANDSCAPE ARCHITECT OR OWNERS REPRESENTATIVE WILL DESIGNATE AREAS TO BE REPLANTED. AREAS ON WHICH A STAND OF GROWING GRASS IS NOT PRESENT IN A REASONABLE LENGTH OF TIME SHALL BE PREPARED, RESEEDED AND REMULCHED, AS SPECIFIED FOR ORIGINAL PLANTING AT NO COST TO OWNER. A STAND SHALL BE DEFINED AS LIVE GRASS PLANTS FROM SEED OCCURRING AT THE RATE OF NOT LESS THAN 1,000 GROWING PLANTS PER SQUARE FOOT. REPLANTING REQUIRED BECAUSE OF FAULTY OPERATIONS OR NEGLIGENCE ON THE PART OF THE CONTRACTOR SHALL BE PERFORMED WITHOUT COST TO THE OWNER.

### LANDSCAPE NOTES

- THE PROPERTY OWNER IS RESPONSIBLE FOR REGULAR WEEDING, MOWING, IRRIGATION, FERTILIZING, PRUNING AND OTHER MAINTENANCE OF ALL PLANTINGS. THE REQUIRED LANDSCAPING MUST BE MAINTAINED IN HEALTHY GROWING CONDITION AT ALL TIMES.
- ALL PROPOSED LANDSCAPING AND IRRIGATION SHALL BE INSTALLED PER LOCAL CITY ORDINANCES AND STATE REQUIREMENTS, WHICHEVER IS MORE STRINGENT. NOTIFY OWNER'S REPRESENTATIVE AND LANDSCAPE ARCHITECT OF ANY DISCREPANCIES PRIOR TO CONSTRUCTION.
- NO SPECIFIED PLANT MATERIAL SHALL BE PLANTED UNTIL THE LANDSCAPE IRRIGATION SYSTEM HAS BEEN INSTALLED AND IS OPERATING WITH 100% COVERAGE OF PROPOSED LANDSCAPE AREAS.
- LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR MAKING HIMSELF FAMILIAR WITH ALL UNDERGROUND UTILITIES, PIPES, STRUCTURES AND LINE RUNS.
- CONTRACTOR IS RESPONSIBLE FOR VERIFICATION OF ALL QUANTITIES BASED ON THE DRAWING(S) AND ACTUAL FIELD DIMENSIONS. PLANT QUANTITIES HAVE BEEN PROVIDED AS A CONVENIENCE ONLY TO THE OWNER(S) AND SHALL NOT BE CONSIDERED ABSOLUTE. CONTRACTOR SHALL FOLLOW DESIGN INTENT.
- ALL PROPOSED SUBSTITUTIONS MUST BE APPROVED BY THE LANDSCAPE ARCHITECT PRIOR TO INSTALLATION.
- NOTIFY LANDSCAPE ARCHITECT IF LAYOUT OF TREES, BEDS AND/OR PLANTS REQUIRE ALTERATION FROM LANDSCAPE PLAN. NOTIFICATION WILL BE REQUIRED PRIOR TO ALTERING LAYOUT.
- TREES SHALL BE HANDLED BY ROOT BALLS ONLY. DO NOT DAMAGE BALL, TRUNK, OR LOOSEN TRUNK FROM BALL.
- TREE ARE TO BE PLANTED WITH TRUNKS STRAIGHT AND MAY BE REQUIRED BY THE OWNER AND/OR LANDSCAPE ARCHITECT TO BE STAKED. ALL TREES REQUIRED TO BE STAKED AND GUYED SHALL CONTINUE TO BE SO THROUGH THE WARRANTY PERIOD AT WHICH TIME THE OWNER AND/OR LANDSCAPE ARCHITECT SHALL DETERMINE IF REMOVAL IS APPROPRIATE.
- AT NO TIME WILL ANY PLANT MATERIAL BE ALLOWED TO SETTLE BEYOND TOP OF ROOT BALL OR POTTED SOIL LINE. SHOULD PLANT MATERIAL SETTLE, THE PLANT(S) WILL BE REPLANTED AT THE PROPER HEIGHT AND/OR REPLACED IF NECESSARY AT THE CONTRACTOR'S COST.
- ALL PROPOSED BED AREAS SHALL BE TILLED TO A DEPTH OF 6", ADDING A 3" MIN. LAYER OF LIVING EARTH COMPOST BY LIVING EARTH, 972-869-4332, OR APPROVED EQUAL.
- ALL LANDSCAPE BEDS SHALL RECEIVE A 2" TOP DRESS LAYER AND THE TREE PLANTING PITS A 1" LAYER OF NATIVE HARDWOOD MULCH, BY LIVING EARTH, 972-869-4332 EQUAL.
- THE LANDSCAPE ARCHITECT RESERVES THE RIGHT TO REFUSE ANY LANDSCAPE MATERIAL ON SITE.
- APPLICABLE REFERENCES / STANDARDS / SPECIFICATIONS: AMERICAN JOINT COMMITTEE OF HORTICULTURAL NOMENCLATURE - STANDARDIZED PLANT NAMES, SECOND EDITION, 1942. AMERICAN ASSOCIATION OF NURSERYMEN: AMERICAN STANDARD OF NURSERY STOCK, 1973.
- SHOULD EXISTING UTILITIES BE DAMAGED OR DISTURBED DURING CONSTRUCTION, NOTIFY LANDSCAPE ARCHITECT OR OWNERS REPRESENTATIVE AND PROPER AUTHORITIES FOR RESTORATION.
- CONTRACTOR IS REQUIRED TO PERFORM A PERCOLATION TEST FOR EACH TREE PIT PRIOR TO INSTALLATION. IF DRAINAGE DOES NOT OCCUR WITHIN 24 HOURS THE CONTRACTOR WILL BE REQUIRED TO PROVIDE A GRAVEL SUMP, FILTER FABRIC AND STANDPIPE. ALL SUMPS SHOULD BE INCLUDED IN THE BASE BID AND PROVIDED AS A DEDUCT ALTERNATE IF NOT REQUIRED AFTER THE PERCOLATION TEST IS PERFORMED.

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L1.05	LANDSCAPE DETAILS

ST. TERESA OF CALCUTTA CATHOLIC CHURCH  
FORT WORTH, TEXAS  
LANDSCAPE PLANS

  
civil engineering surveying landscape architecture planning  
ltpels registration number: 1 - 2759  
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PROJECT NUMBER:	3788-00-01
PROJECT MANAGER:	R. CRONIN
DRAWN BY:	D. JOINER
CHECKED BY:	R. CRONIN
ISSUE DATE:	8/20/2024

REV.	DATE	DESCRIP.	BY

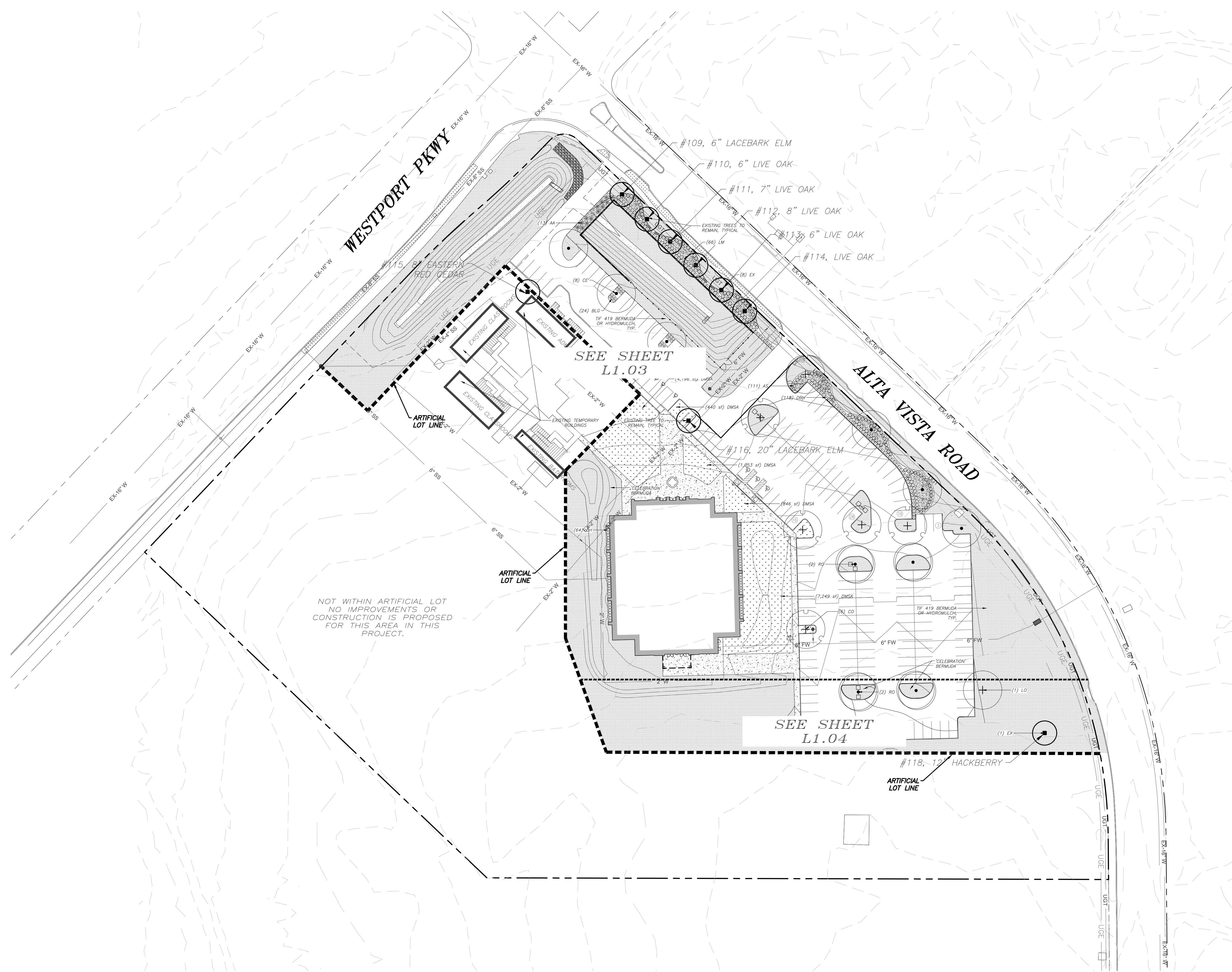
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**LANDSCAPE NOTES AND LEGENDS**

SHEET NO:  
**L1.01**

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ST. TERESA OF CALCUTTA CATHOLIC CHURCH  
 FORT WORTH, TEXAS  
 LANDSCAPE PLANS



NOT WITHIN ARTIFICIAL LOT  
 NO IMPROVEMENTS OR  
 CONSTRUCTION IS PROPOSED  
 FOR THIS AREA IN THIS  
 PROJECT.

SEE SHEET  
 L1.03

SEE SHEET  
 L1.04

**m|ma**  
 civil engineering surveying landscape architecture planning  
 tlpels registration number: 1 - 2759  
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ISSUE DATE:	8/20/2024

REV.	DATE	DESCRIP.	BY

SHEET CONTENT:  
**OVERALL  
 LANDSCAPE  
 PLAN**

SHEET NO:  
**L1.02**

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ST. TERESA OF CALCUTTA CATHOLIC CHURCH  
 FORT WORTH, TEXAS  
 LANDSCAPE PLANS

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 tlpels registration number: 1 - 2759  
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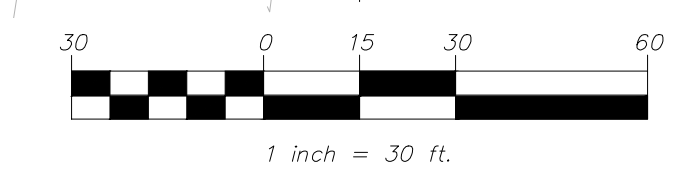
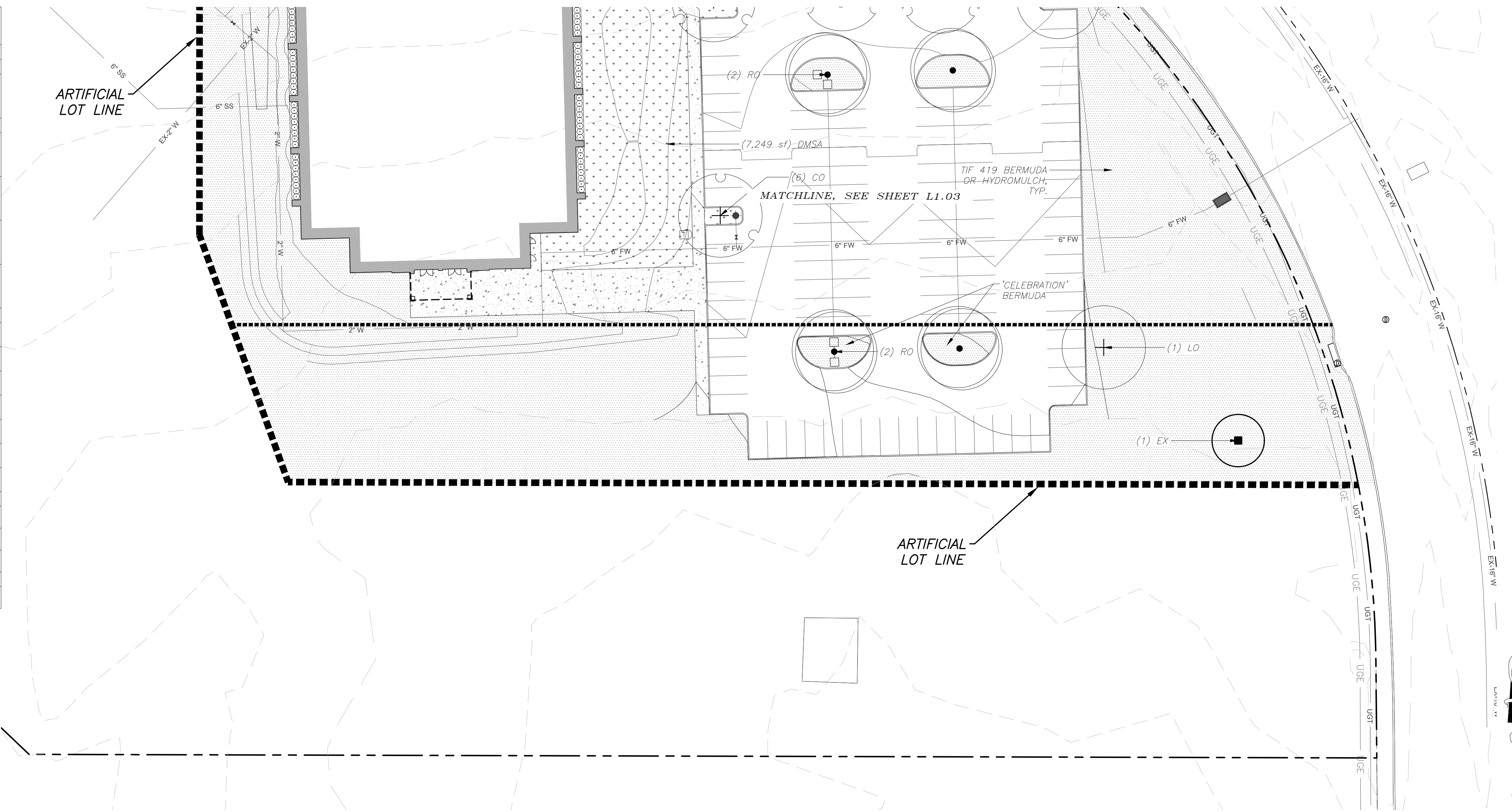
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LANDSCAPE PLAN

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**L1.04**  
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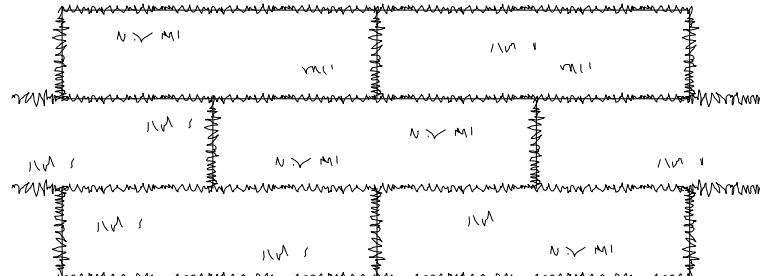
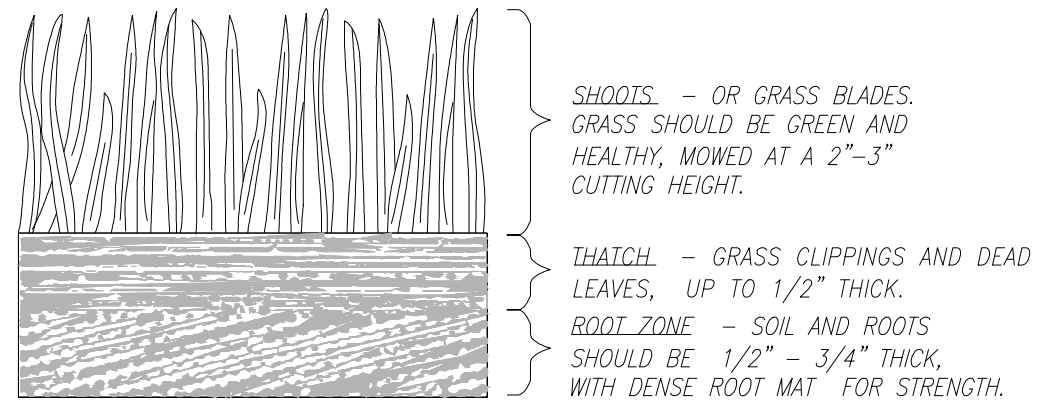
PLANT SCHEDULE

SYMBOL	CODE	QTY	COMMON / BOTANICAL NAME
EXISTING TREE			
	EX	9	EXISTING TREE TO REMAIN
LARGE CANOPY TREE			
	CE	6	CEDAR ELM ULMUS CRASSIFOLIA
	CO	6	CHINQUAPIN OAK QUERCUS MUEHLENBERGII
	LO	1	LIVE OAK QUERCUS VIRGINIANA
	RO	4	SHUMARD RED OAK QUERCUS SHUMARDII
SHRUBS			
	AS	111	AUTUMN SAGE 'RASPBERRY' SALVIA GREGGII
	BLG	24	BLUE GRAMA BOUTELOUA GRACILIS
	CH	64	CARISSA HOLLY ILEX CORNUTA 'CARISSA'
	AA	13	CENTURY PLANT AGAVE AMERICANA
	DBH	120	DWARF BURFORD HOLLY ILEX CORNUTA
	GL	12	GIANT LIRIOPE LIRIOPE GIGANTEA
	LM	66	LINDHEIMER'S MUHLY MUHLENBERGIA LINDHEIMERI
GROUND COVERS			
	ETA	2,751 SF	EXISTING TURF AREA
	DMSA	14,204 SF	DEL MAR ST. AUGUSTINE STENOTAPHRUM SECUNDATUM
	TIF	101,646 SF	TIF 419 BERMU DAGRASS CYNODON DACTYLON 'TIF 419'
MATERIALS			
	SHM	1,721 SF	SHREDDED HARDWOOD MULCH



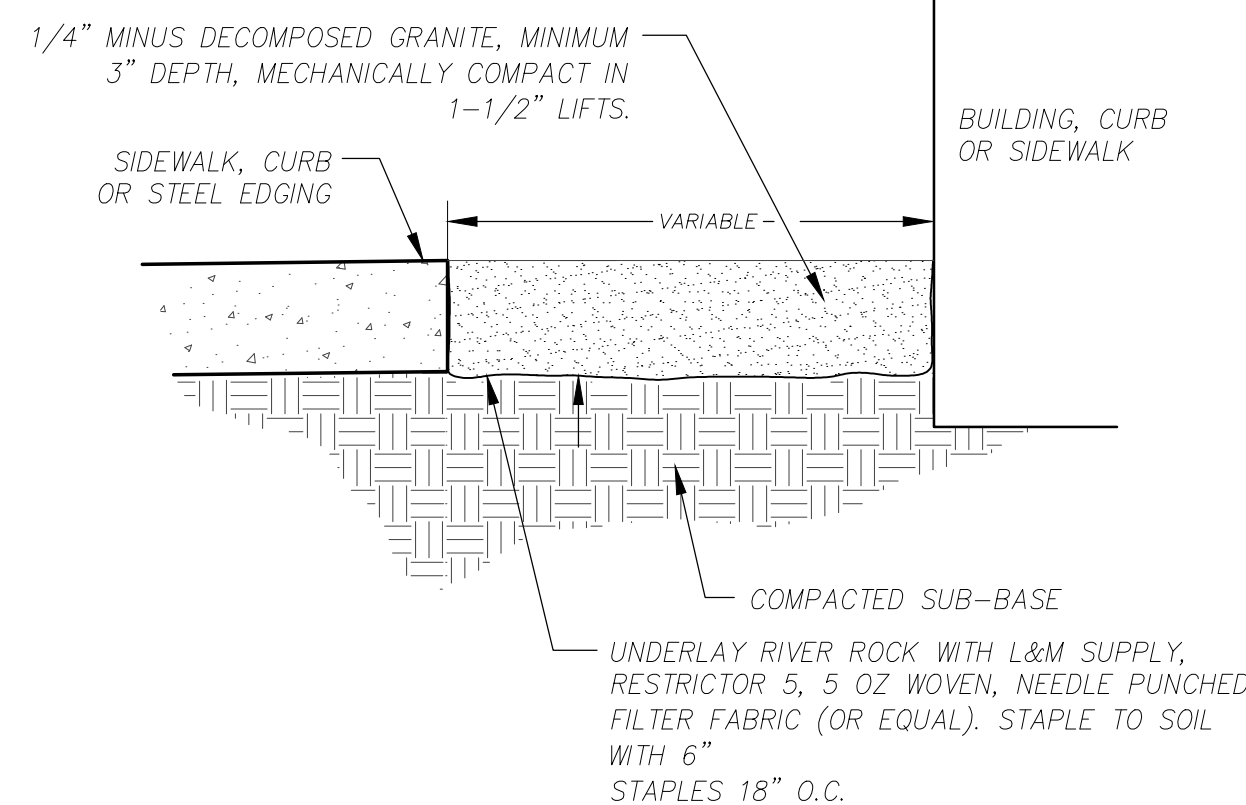
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**APPEARANCE OF GOOD SOD**

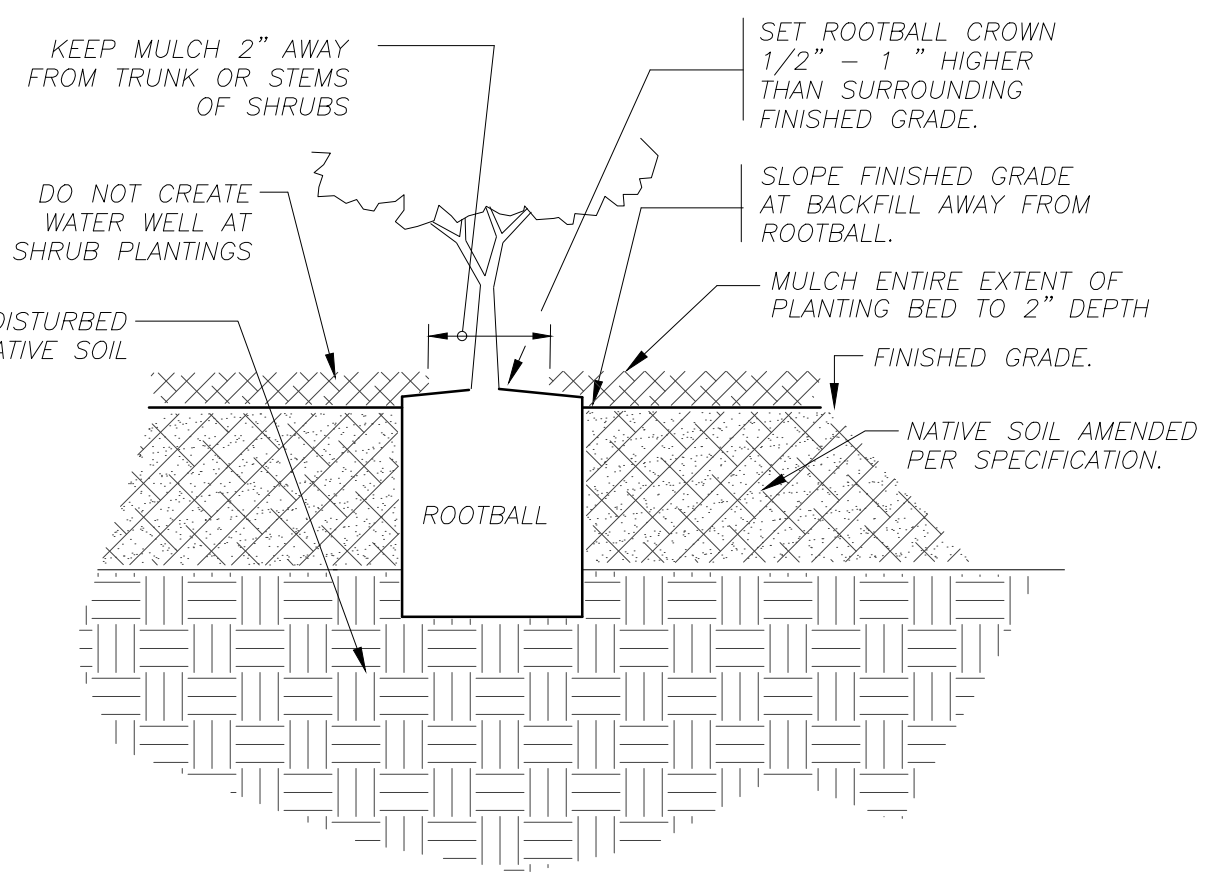


**1** SOD  
NOT TO SCALE

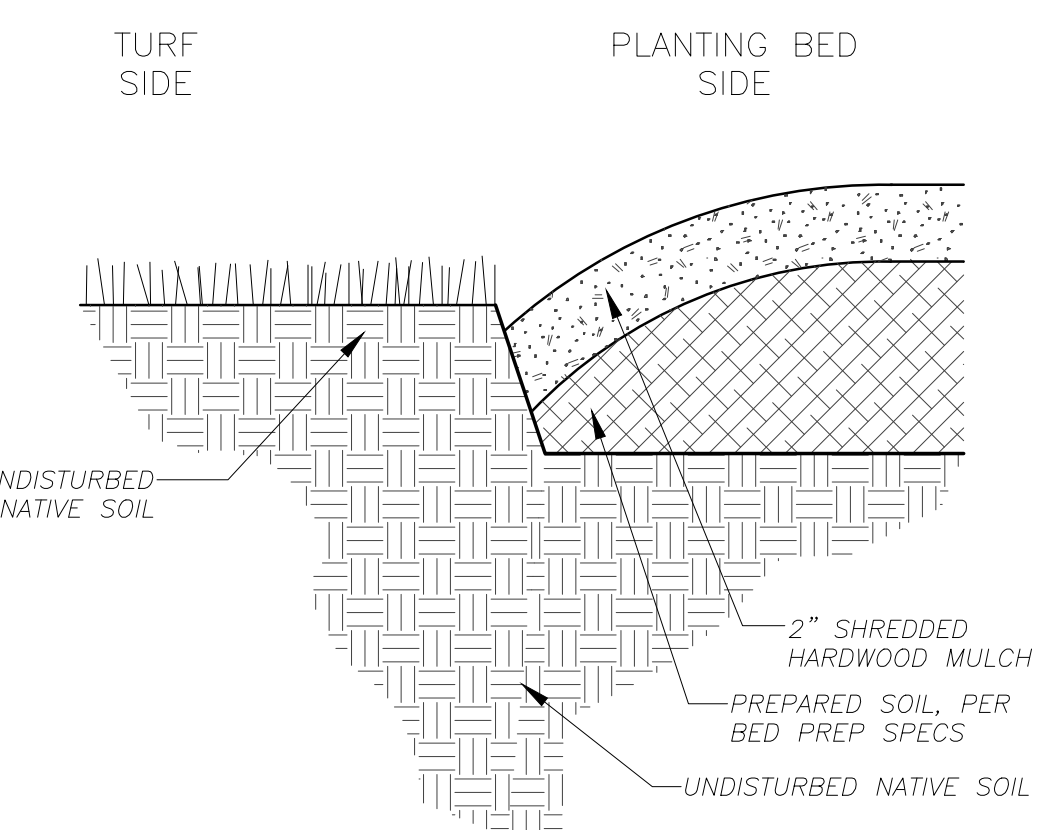
**NOTE:**  
STABILIZE DECOMPOSED GRANITE WITH SOILTAC LIQUID STABILIZER (OR APPROVED EQUAL PER MANUFACTURERS RECOMMENDATIONS).



**4** DECOMPOSED GRANITE  
N.T.S.



**2** SHRUB PLANTING  
NTS

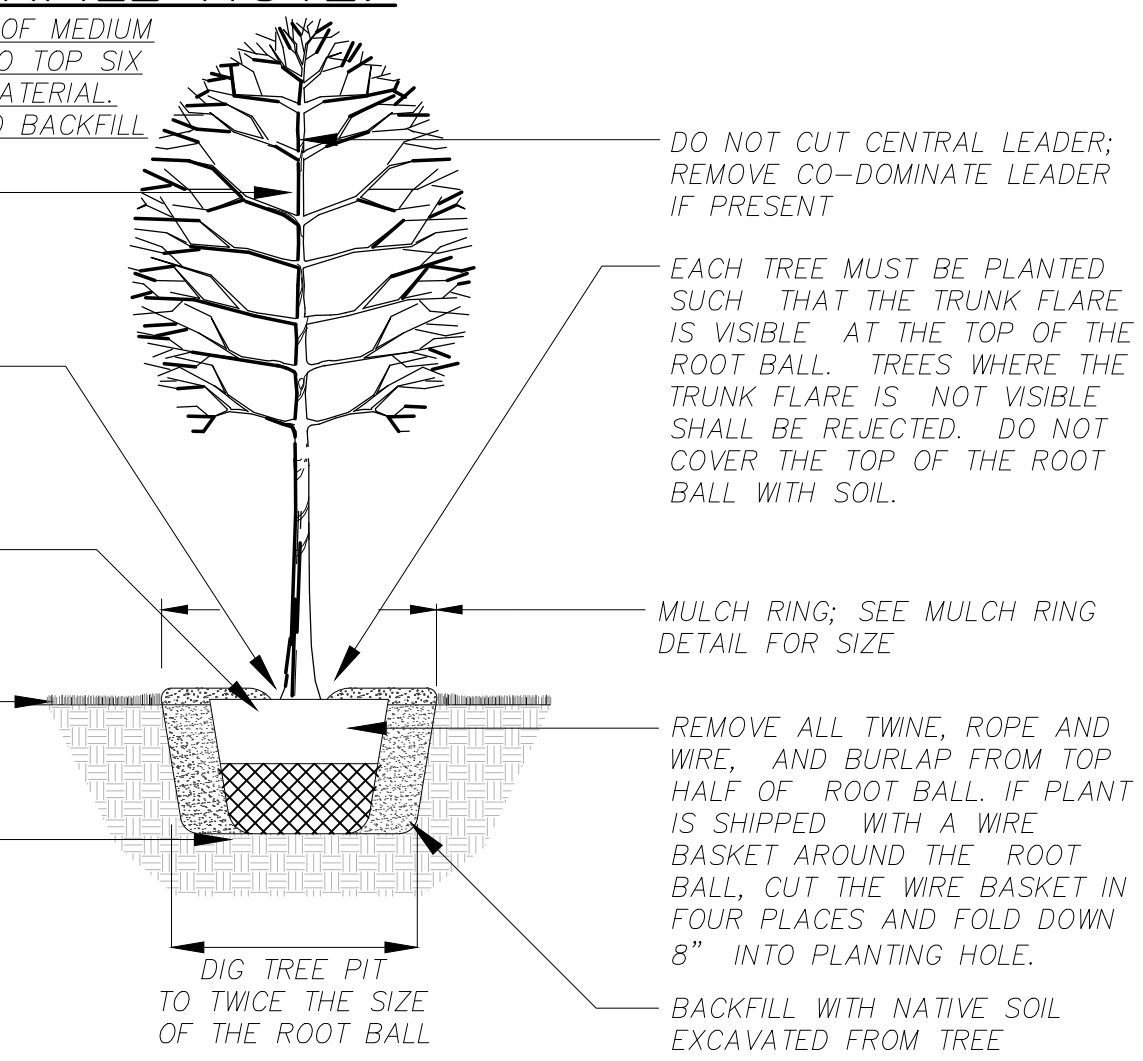


**5** SHOVEL CUT EDGE AT PLANTING BED  
NTS

**IMPORTANT BACKFILL NOTE:**

ADD 2/3 CUPS PER CALIPER INCH OF MEDIUM TEXTURE TERRA-SORB HYDROGEL TO TOP SIX INCHES OF NATIVE SOIL BACKFILL MATERIAL. THOROUGHLY MIX TERRA-SORB INTO BACKFILL.

MARK THE NORTH SIDE OF THE TREE IN THE NURSERY, AND ROTATE TREE TO FACE NORTH AT THE SITE WHENEVER POSSIBLE.  
BEFORE PLANTING, IF ROOT FLARE IS NOT VISIBLE, REMOVE EXCESS SOIL FROM THE TOP OF THE ROOT BALL UNTIL THE ROOT FLARE IS EXPOSED.  
ONCE THE ROOT FLARE IS EXPOSED, SET THE TOP OF THE ROOT BALL 2" HIGHER THAN ADJACENT GRADE.  
MULCH PLANTING PIT WITH 1" DEPTH OF SHREDDED HARDWOOD MULCH. KEEP MULCH 6" AWAY FROM TREE TRUNK.  
PLACE ROOT BALL ON UNEXCAVATED SOIL SO THAT ROOT BALL DOES NOT SHIFT OR SETTLE.

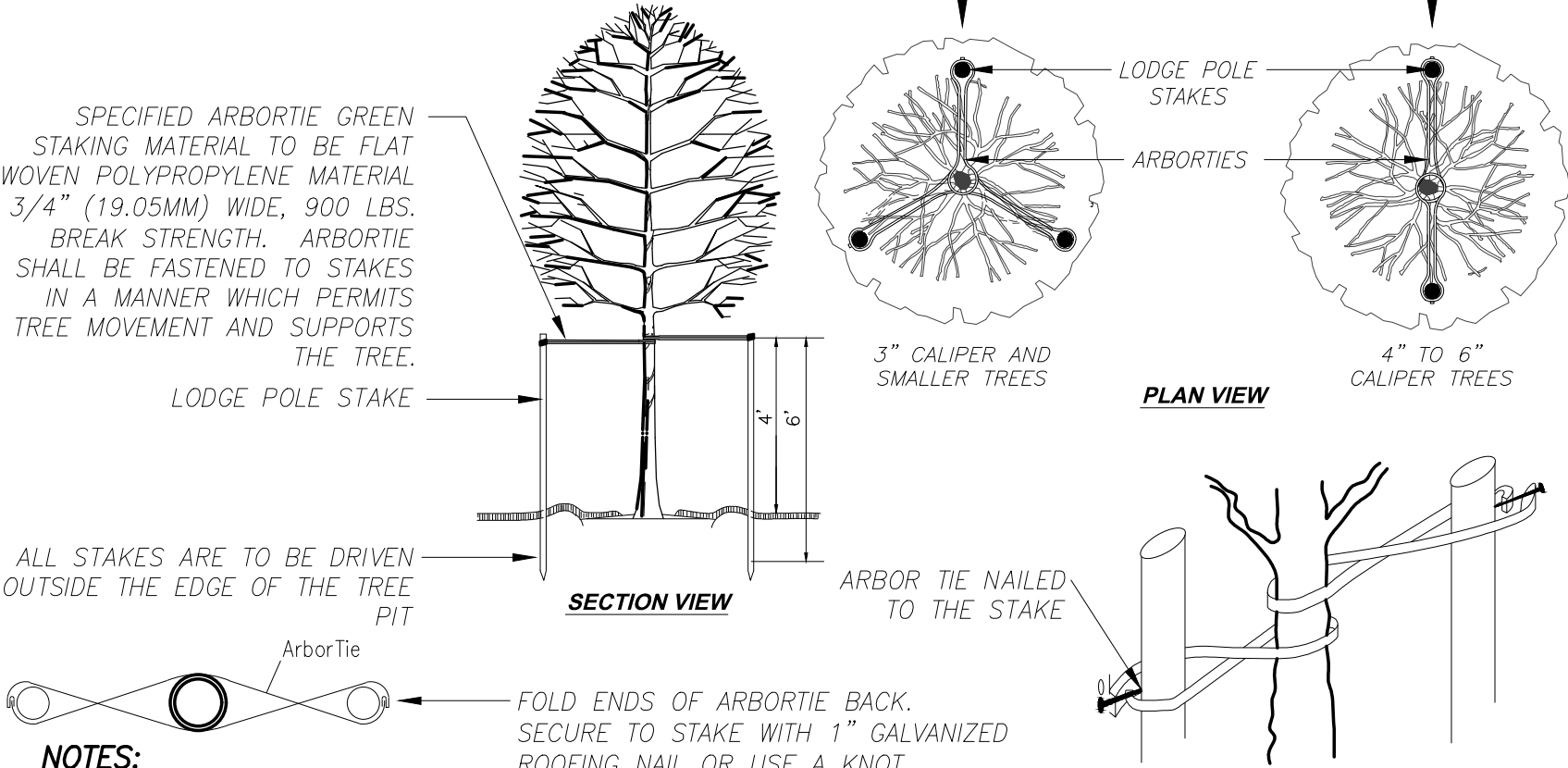


**NOTES:**  
1. DO NOT HEAVILY PRUNE THE TREE AT TIME OF PLANTING.  
2. PRUNE ONLY CROSSOVER LIMBS, CO-DOMINANT LEADERS, AND BROKEN OR DEAD BRANCHES. SOME INTERIOR TWIGS AND LATERAL BRANCHES MAY BE PRUNED; HOWEVER, DO NOT REMOVE THE TERMINAL BUDS OF BRANCHES THAT EXTEND TO THE EDGE OF THE CROWN.

**3** TREE PLANTING DETAIL IN ALL SOIL TYPES  
NTS

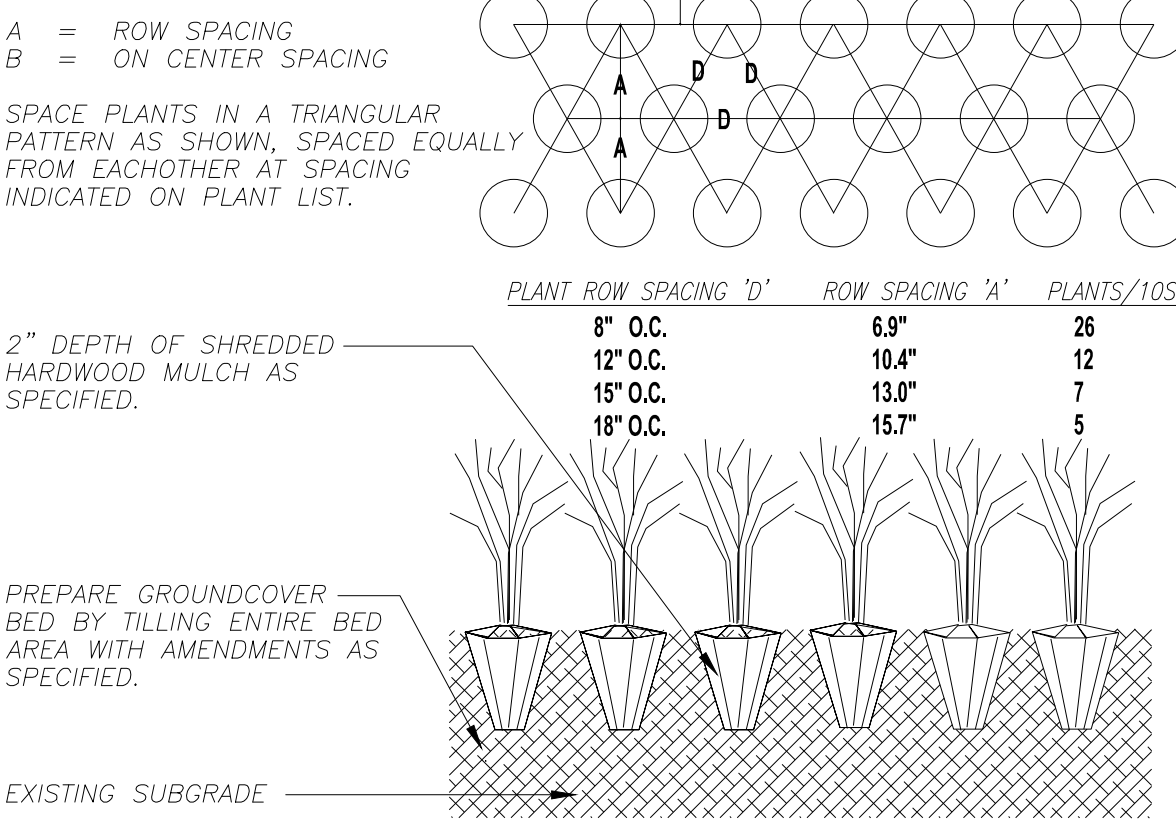
**SPECIAL BIDDING NOTE:**

CONTRACTOR IS DIRECTED TO BID TREE STAKING AS AN ADD ALTERNATE, BY PROVIDING AN "EACH" PRICE FOR STAKING TREES. TREES WILL BE STAKED ON AN "AS NEEDED" BASIS ONLY!

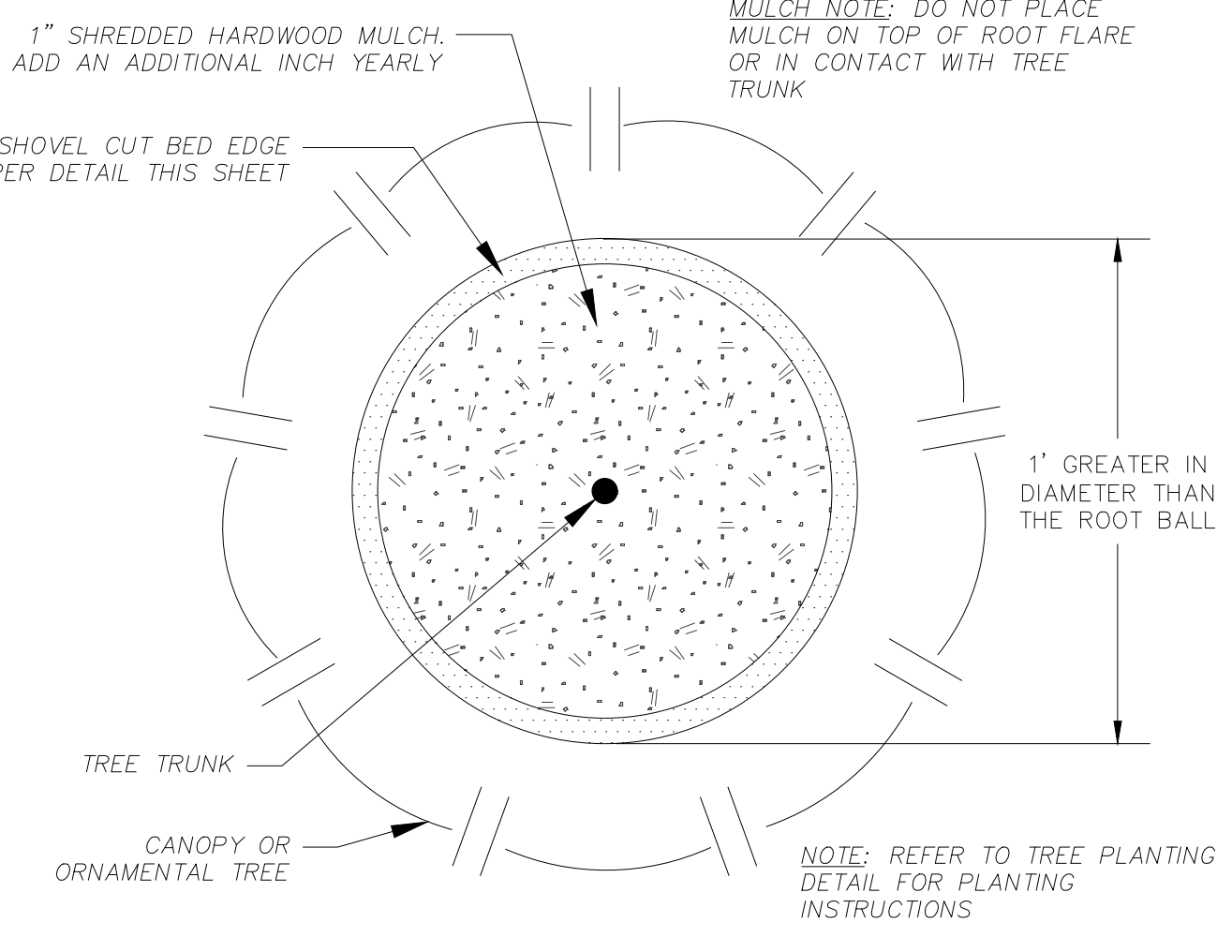


**NOTES:**  
1. USE GREEN ARBORTIE MATERIAL TO ASSURE UPRIGHT TREE POSITION AND STABILITY.  
2. TIGHTEN ARBORTIE ONLY ENOUGH TO KEEP FROM SLIPPING AND TO ALLOW FOR SOME TRUNK MOVEMENT.  
3. REMOVE ALL STAKING AS SOON AS THE TREE HAS GROWN A SUFFICIENT ROOT SYSTEM TO OVERCOME STAKING. STAKES SHALL BE REMOVED NO LATER THAN THE END OF THE FIRST GROWING SEASON AFTER STAKING.

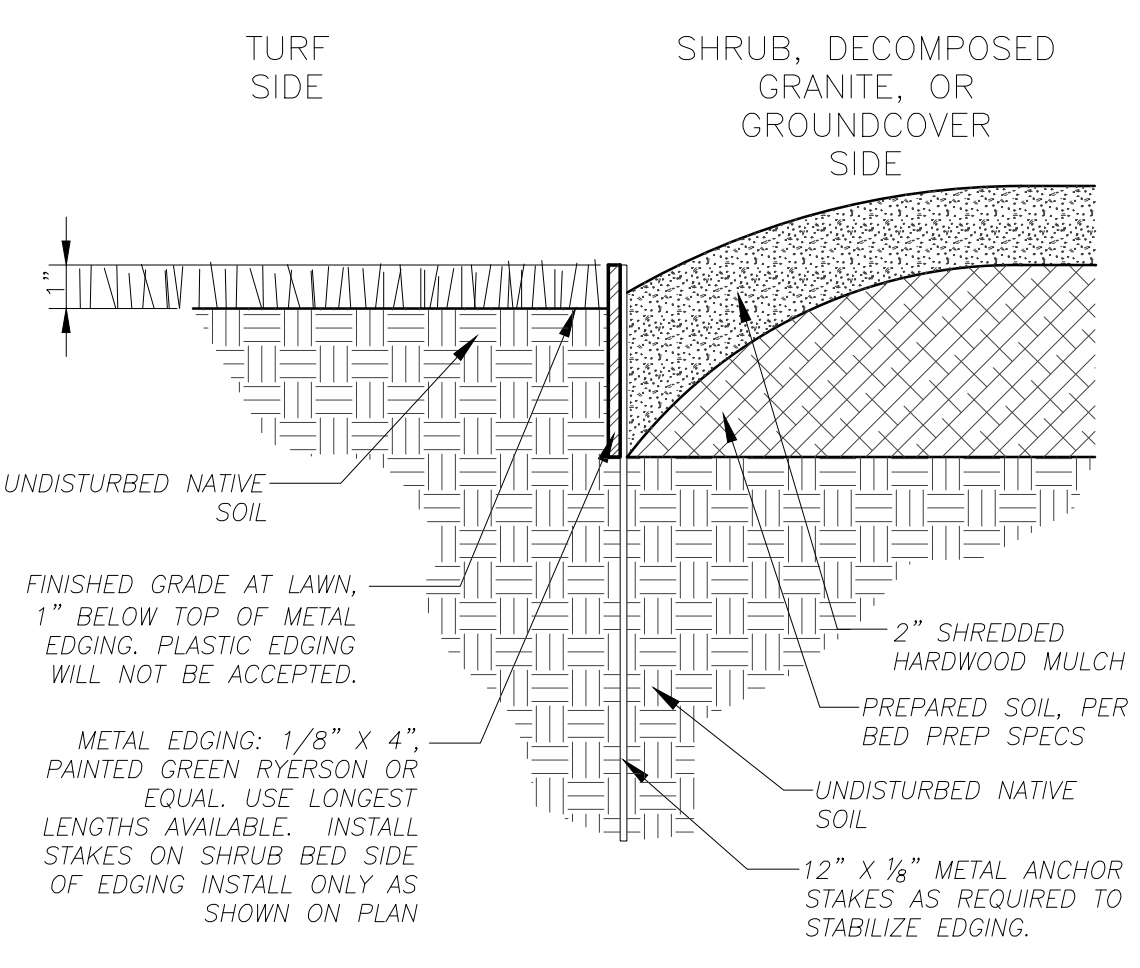
**6** TREE STAKING, 3" CALIPER AND SMALLER, AND 4" TO 6" CALIPER  
NTS



**7** GROUND COVER PLANTING  
NOT TO SCALE

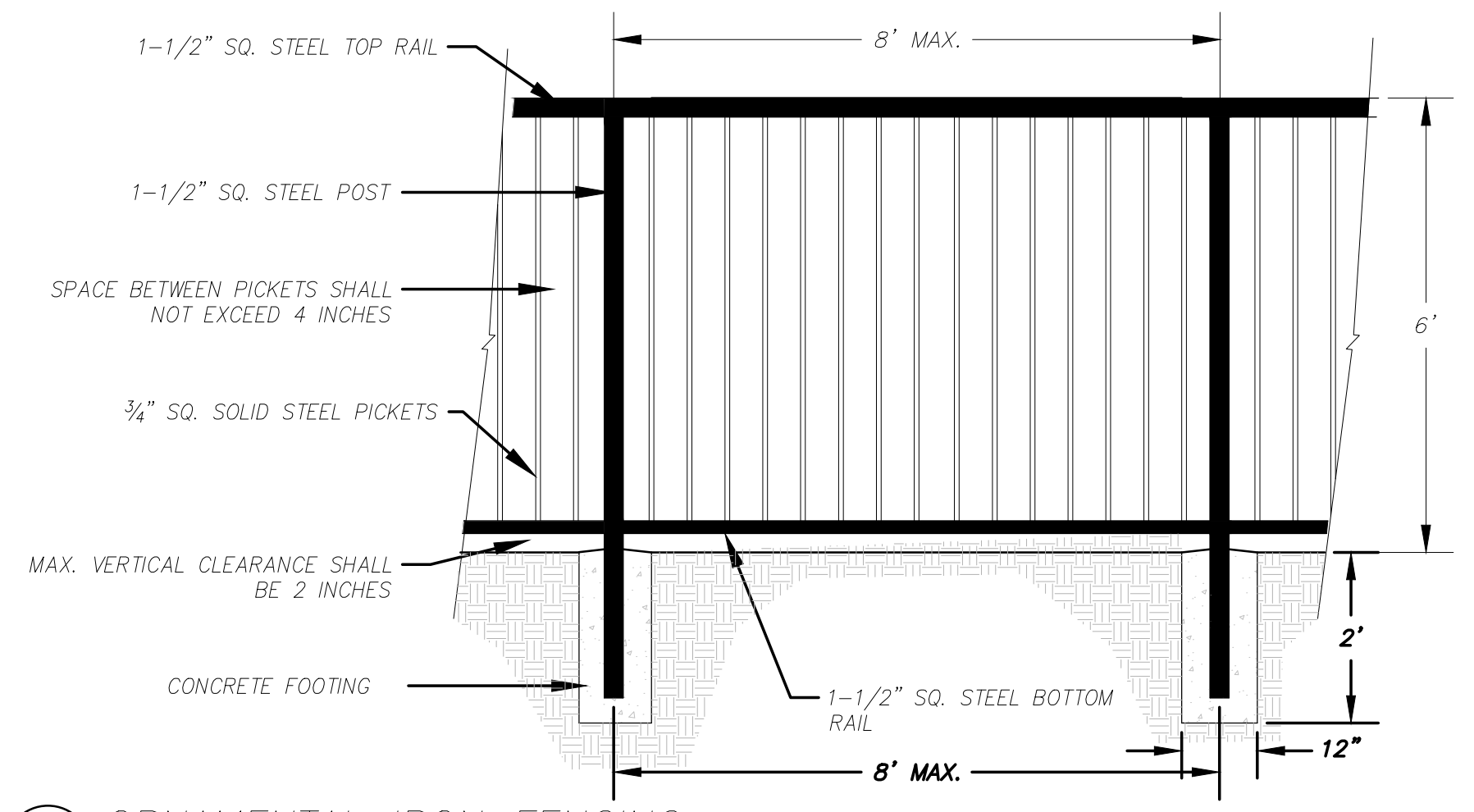


**8** MULCH RING AT TREES  
NTS



**9** STEEL EDGING AT PLANTING BED  
N.T.S.

1. CONCRETE FOOTINGS TO BE 8" O.C. MAX. OR AS REQUIRED FOR GRADE OR DIRECTIONAL CHANGES.
2. ALL FENCE MEMBERS TO BE PRIMED & PAINTED w/RUST INHIBITOR PAINT, COLOR - BLACK.



**10** ORNAMENTAL IRON FENCING  
NTS

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