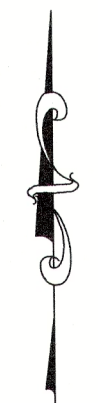


LEGEND

- EX. 8" W. = EXISTING WATER MAIN
- EX. 8" S. = EXISTING SEWER LINE AND MANHOLE
- PROPOSED 8" W. = PROPOSED WATER MAIN
- PROPOSED 8" S. = PROPOSED SEWER LINE AND MANHOLE
- PROPOSED HYDRANT

SEWER/WATER LINE CROSSINGS	
LINE "A"	1+90.43
LINE "A"	9+76.55
LINE "B"	3+71.14
LINE "C"	7+55.65
LINE "C"	10+45.65



SCALE: 1"=80'

0 80 160

BENCHMARK BM-1

BENCHMARK TO BE SET BY ENGINEER PRIOR TO CONSTRUCTION.

NOTE: ALL LATERALS TO BE INSTALLED @ MIN. 2.0% SLOPE, UNLESS OTHERWISE NOTED. ALL SANITARY SEWER PIPE SHALL BE P.V.C. THAT MEETS ASTM SPECIFICATION D-3034, SDR-26.

NOTES:

- ALL EXCAVATED MATERIAL SHALL BE PLACED ON THE UPGRADE SIDE OF THE SEWER TRENCH ALLOWING THE TRENCH TO INTERCEPT ANY SILT CONTAMINATED RUNOFF.
- ALL SANITARY SEWER PIPE SHALL BE P.V.C. THAT MEETS ASTM SPECIFICATION D-3034, SDR-26 UNLESS OTHERWISE NOTED.
- ALL LATERALS TO BE INSTALLED @ MIN. 2.0% SLOPE, UNLESS OTHERWISE NOTED.
- LATERALS TO BE BUILT TO FRONT UTILITY EASEMENT LINE OR SANITARY SEWER EASEMENT LINE.
- THE LOCATIONS AND DEPTHS OF ALL EXISTING UTILITIES, INCLUDING SERVICE LATERALS AND DRAINAGE STRUCTURES SHOWN ON THE PLANS ARE APPROXIMATE ONLY. THE CONTRACTOR SHALL VERIFY THE EXACT LOCATION AND DEPTHS OF UNDERGROUND UTILITIES AT LEAST 48 HOURS PRIOR TO CONSTRUCTION WHETHER SHOWN ON PLANS OR NOT, AND TO PROTECT THE SAME DURING CONSTRUCTION.
- FOR WASTEWATER IN THE FIVE-YEAR FLOODPLAIN OF A DRAINAGE-WAY, MANHOLES MUST BE SHALLOW PROFILE, MONOLITHIC STRUCTURED AND ANCHORED TO SUBGRADE.
- WASTEWATER MAINS SHOULD BE LAID WITH THE TOP OF THE PIPE AT A MINIMUM OF THREE FEET BELOW SURFACE OF THE GROUND, WHERE THIS MINIMUM COVER IS NOT POSSIBLE OR WHERE THE WASTEWATER MAIN IS LOCATED WITHIN OR CROSSING THE FIVE-YEAR FLOODPLAIN OF A DRAINAGE-WAY THE WASTEWATER MAIN MUST BE ENCASED WITH 2000 PSI CONCRETE WITH A MINIMUM THICKNESS OF SIX INCHES.

SAN ANTONIO WATER SYSTEM	233-2010
COSA DRAINAGE	207-2800
CITY SIDEWALK AND TRENCHING DIVISION	821-3240
COSA TRAFFIC SIGNAL OPERATIONS	207-7765
TEXAS STATE WIDE ONE CALL LOCATOR	1-800-545-6005
CITY PUBLIC SERVICE	"
AT&T	"
SPECTRUM CABLE	"
VALERO ENERGY CO.	"
GREY FOREST UTILITIES	"

NOTE:

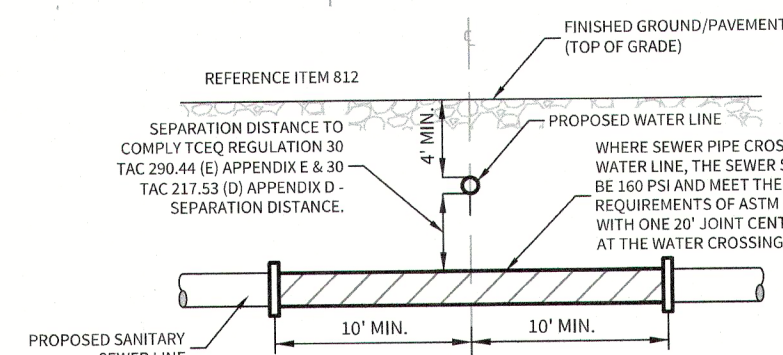
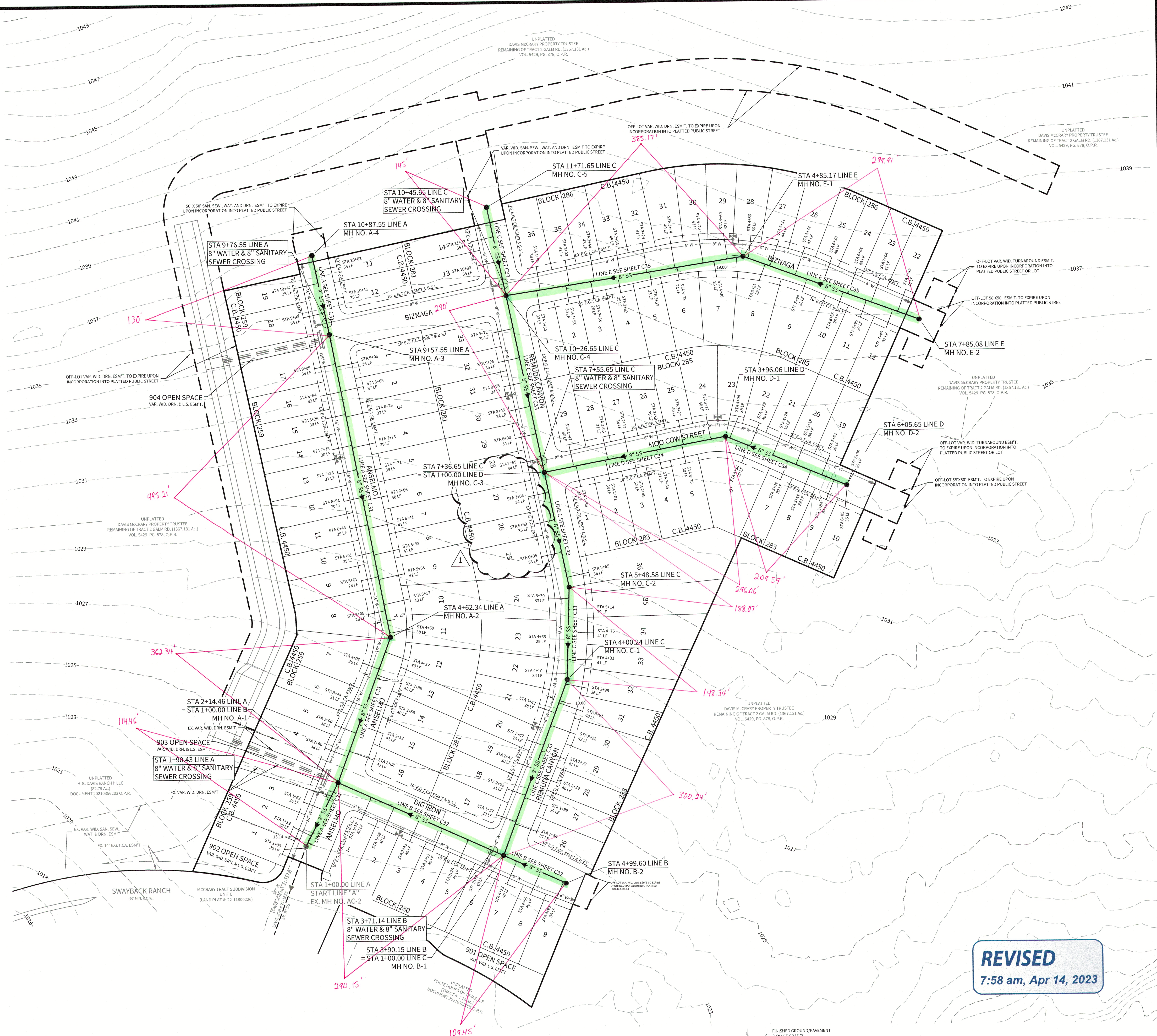
THE CONTRACTOR SHALL BE RESPONSIBLE FOR MEETING 98% COMPACTION ON ALL TRENCH BACKFILL AND PAYING FOR THE TESTS TO BE PERFORMED BY A THIRD PARTY. COMPACTION TEST WILL BE DONE AT ONE LOCATION POINT RANDOMLY SELECTED OR AS INDICATED BY THE SAWS INSPECTOR/TEST ADMINISTER. PER EACH 12-INCH LOOSE LIFT PER 400 LINEAR FEET AT A MINIMUM, THIS PROJECT WILL NOT BE ACCEPTED AND FINALIZED BY SAWS WITHOUT THIS REQUIREMENT BEING MET AND VERIFIED BY PROVIDING ALL NECESSARY DOCUMENTED TEST RESULTS.

CAUTION NOTE:

THE CONTRACTOR SHALL BE AWARE THAT AN 8" SANITARY SEWER MAIN AND 10" WATER MAIN EXIST ALONG THE INTERSECTION OF SWAYBACK RANCH AND ANSELMO. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO HAVE THESE UTILITIES LOCATED PRIOR TO COMMENCING CONSTRUCTION. THE CONTRACTOR SHALL USE EXTREME CAUTION WHEN WORKING IN THIS AREA. ANY DAMAGE DONE TO THESE EXISTING FACILITIES WILL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO REPAIR.

TRENCH EXCAVATION PROTECTION

CONTRACTOR AND/OR CONTRACTOR'S INDEPENDENTLY RETAINED EMPLOYEE OR STRUCTURAL/DESIGN/GEOTECHNICAL/SAFETY EQUIPMENT CONSULTANT, IF ANY, SHALL REVIEW THESE PLANS AND AVAILABLE GEOTECHNICAL INFORMATION AND THE ANTICIPATED INSTALLATION SITE(S) WITHIN THE PROJECT WORK AREA IN ORDER TO IMPLEMENT CONTRACTOR'S TRENCH EXCAVATION SAFETY PROTECTION SYSTEMS, PROGRAMS AND PROCEDURES FOR THE PROJECT DESCRIBED IN THE CONTRACT DOCUMENTS. THE CONTRACTOR'S IMPLEMENTATION OF THESE SYSTEMS, PROGRAMS AND/OR PROCEDURES SHALL PROVIDE FOR ADEQUATE TRENCH EXCAVATION SAFETY PROTECTION THAT COMPLY WITH AS A MINIMUM, OSHA STANDARDS FOR TRENCH EXCAVATIONS. SPECIFICALLY, CONTRACTOR AND/OR CONTRACTOR'S INDEPENDENTLY RETAINED EMPLOYEE OR SAFETY CONSULTANT SHALL IMPLEMENT A TRENCH SAFETY PROGRAM IN ACCORDANCE WITH OSHA STANDARDS GOVERNING THE PRESENCE AND ACTIVITIES OF INDIVIDUALS WORKING IN AND AROUND TRENCH EXCAVATION.



TYPICAL SANITARY SEWER / WATER CROSSING DETAIL
N.T.S.

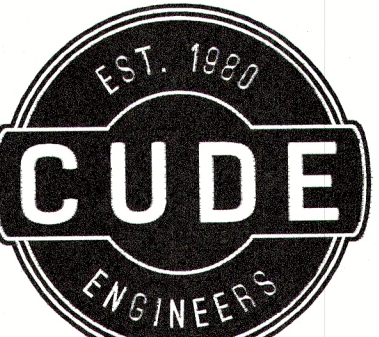
REVISED

7:58 am, Apr 14, 2023

WEST SEWERSHED - LEON CREEK W.R.C.

Developer's Name	PULTE HOMES OF TEXAS, L.P.
Developer's Address	1718 DRY CREEKWAY, SUITE 120
City	SAN ANTONIO
State	TEXAS
Zip	78259
Phone #	(210) 496-1985
Fax #	(210) 496-0449
SAWS Block Map #	084-624
Total EDU's	325
Total Acreage	25.86
Total Linear Footage of Pipe	8"SS - 3449.53 L.F.
Plat No.	22-11800196
Number of Lots	124
SAWS Job No.	22-1586

CUDEENGINEERS.COM



4122 Pond Hill Road, Suite 101
San Antonio, Texas 78231
P:(210) 681.2951 F: (210) 523.7112

MCCRARY TRACT
UNIT 14
OVERALL SANITARY SEWER PLAN

DATE
04/12/2023

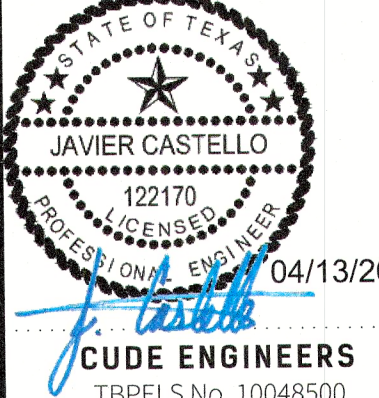
PROJECT NO.
02142.051

DRAWN BY
JR

CHECKED BY
TCD/JC/DDC

REVISIONS

1. 2. 3. 4. 5. 6. 7. 8.



PLAT NO.
22-11800196

SAWS JOB NO.
22-1586

C29