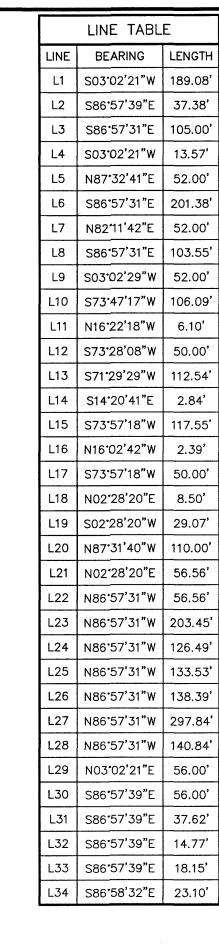
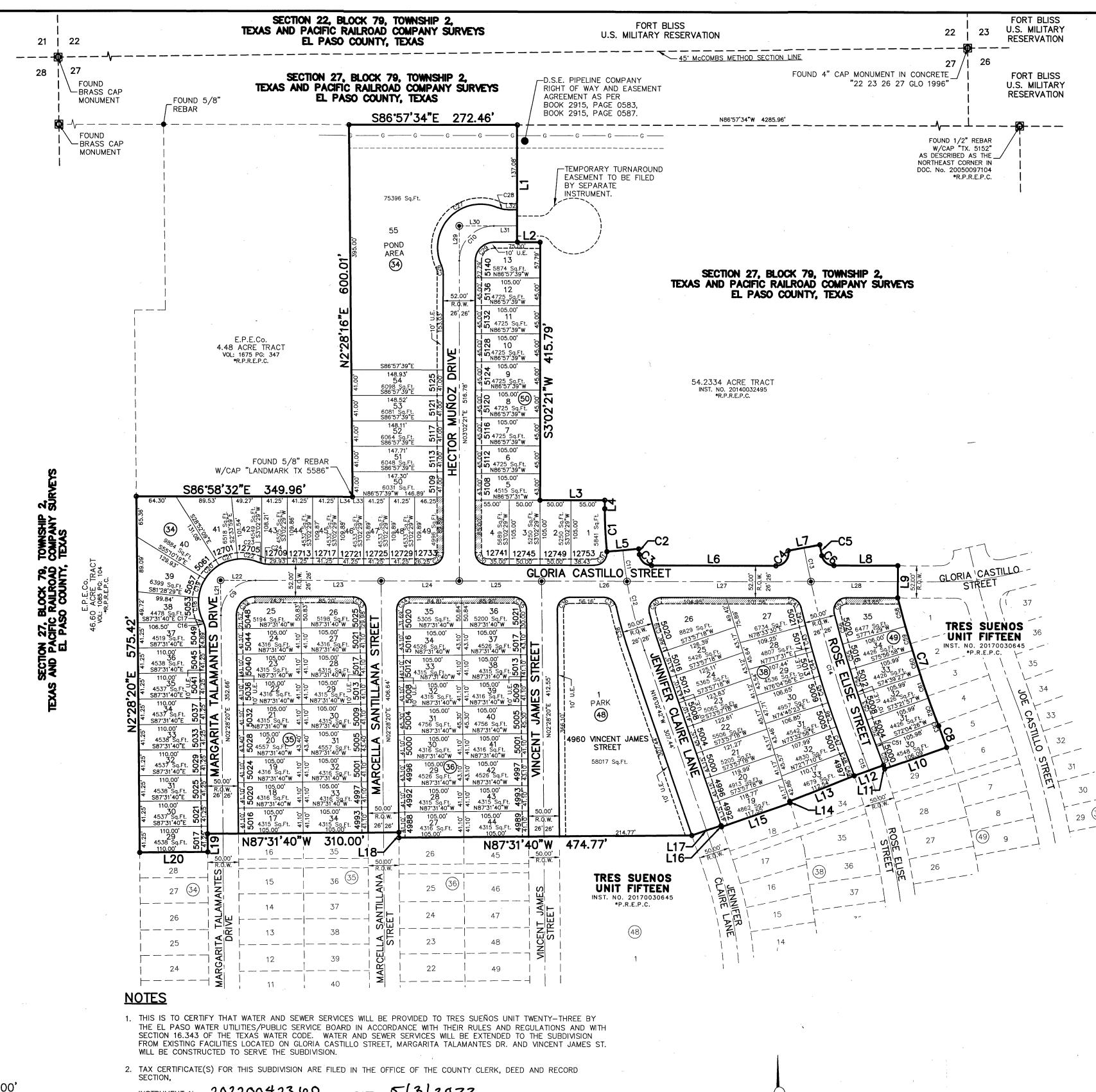
CURVE C1 C2 C3 C4 C5 C6 C7 C8 C9 C10	RADIUS 726.00' 674.00' 20.00' 20.00' 1904.00'	9.13' 29.23'	34.84' 4.57'	69.59' 9.13'	BEARING S00°17'31"W S02°50'36"E	DELTA 005'29'40 000'46'34
C2 C3 C4 C5 C6 C7 C8 C9	674.00' 20.00' 20.00'	9.13'	4.57'			
C3 C4 C5 C6 C7 C8	20.00'	29.23'	 			・・・・・・・・・・スパー
C4 C5 C6 C7 C8 C9	20.00'		17.92'	26.69	S45°05'42"E	083'43'38
C5 C6 C7 C8 C9		75 00'		 		
C6 C7 C8 C9	1904.00	35.20'	24.20'	30.83'	N42'37'05"E	100'50'47
C7 C8 C9	00.001	17.83	8.92'	17.83	S08'04'24"E	000'32'12
C8 C9	20.00'	27.44	16.37'	25.34	S47'39'00"E	078'37'0
C9	1799.00'	217.17	108.72	217.04	S14'41'39"E	006'55'00
	1201.00'	37.18'	18.59'	37.18'	S17*15'56"E	001*46*26
C10	56.00'	88.52'	56.56'	79.59'	S47°45'25"W	090'34'09
	56.00'	87.96'	56.00'	79.20'	S48'02'21"W	090'00'00
C11	700.00'	50.86'	25.44'	50.85	S04'32'13"E	004'09'47
C12	700.00'	115.17'	57.71'	115.04'	S11°19'54"E	009*25'36
C13	1930.00'	55.81'	27.91'	55.81'	S08'38'01"E	001'39'25
C14	1930.00'	290.66	145.61	290.39	S13'46'35"E	008'37'44
C15	1070.00'	29.04	14.52'	29.04	N17°18'48"W	001'33'19
C16	40.00'	16.86'	8.55'	16.73'	N09°35'59"W	024*08'39
C17	40.00'	1.27'	0.64'	1.27'	N22°35'06"W	001*49'34
C18	70.00'	39.12'	20.09'	38.62'	S07'29'11"E	032'01'24
C19	70.00'	32.13'	16.36'	31.85'	S21°40'36"W	026*18'10
C20	70.00'	32.13'	16.36'	31.85'	S47°58'46"W	026*18'10
C21	70.00'	32.13'	16.36'	31.85'	S74°16'56"W	0261810
C22	70.00'	35.54	18.16'	35.16'	N78'01'22"W	029'05'14
C23	40.00'	4.92'	2.46'	4.91'	S67'00'02"E	007'02'32
C24	40.00'	11.48'	5.78'	11.44'	S78'44'24"E	016'26'13
C25	20.00'	31.42	20.00'	28.28'	N48'02'25"E	090,00,08
C26	40.00'	16.49	8.36'	16.37'	N08'46'10"W	023'37'0
C27	70.00'	167.66	178.78'	130.36	S48'02'21"W	137'14'03
C28	40.00'	16.49'	8.36'	16.37'	S75°09'08"E	023'37'0
C29	30.00'	47.12	30.00'	42.43'	S48°02'21"W	090,00,00
C30	20.00'	31.42'	20.00'	28.28'	S41°57'35"E	089'59'52
C31	20.00'	33.33'	22.02'	29.61	N4517'35"E	095'29'48
C32	30.00'	47.42'	30.30'	42.64	S47'45'25"W	090'34'09
C33	20.00'	31.22'	19.80'	28.14	N42'14'36"W	089'25'5
C34	20.00'	31.61	20.20'	28.42'	S47°45'25"W	090'34'09
C35	20.00'	31.22	19.80'	28.14	N42'14'36"W	089'25'5
C36	20.00'	31.61	20.20'	28.42	S47*45'25"W	090'34'09
C37	20.00'	26.99'	16.00'	24.99	N4817'45"W	077'19'33
C38	725.00'	81.14'	40.61	81.10'	S12'50'20"E	006'24'44
C39	675.00'	54.61'	27.32'	54.59	S13'43'39"E	004'38'0
C40	20.00'	36.46	25.81	31.62'	S40'48'57"W	104°27'04
C41	20.00'	26.67	15.74'	24.74	N48'45'01"W	076*25'0
C42	-		-			
	1955.00'	30.71	15.36'	30.71	S10'59'30"E	000'54'00
C43	1955.00'	43.21	21.61'	43.21'	S12'04'30"E	001'15'59
C44	1955.00'	41.28	20.64'	41.28'	S13'18'47"E	001'12'35
C45	1955.00'	45.24	22.62'	45.24	S14'34'51"E	00119'33
C46	1955.00'	41.18'	20.59'	41.18'	S15°50'50"E	00112'25
C47	1955.00'	43.11'	21.56'	43.11'	S17'04'56"E	00115'48
C48	1955.00'	12.86'	6.43'	12.86'	S17°54'09"E	000'22'3
C49	1045.00'	28.36'	14.18'	28.36'	N17'18'48"W	001'33'19
C50	1095.00'	29.73	14.86'	29.72'	N1718'47"W	001'33'19
C51	1905.00'	5.48'	2.74'	5.48'	S18'00'30"E	000'09'5
C52	1905.00'	42.95'	21.48'	42.95'	S17'16'49"E	00117'31
C53	1905.00'	42.95'	21.48'	42.95	S15*59'18"E	001'17'31
C54	1905.00'	42.95	21.48'	42.95	S14°41'47"E	001°17'31
C55	1905.00'	42.95	21.48'	42.95	S13°24'17"E	001°17'31
C56	1905.00'	51.71	25.85'	51.70'	S11°58'52"E	001'33'19
C57	20.00'	36.39	25.71'	31.57'	S40°55'08"W	104°14′42
C58	1799.00'	47.63	23.82'	47.63	S11°59'39"E	001°31'01
C59	1799.00'	40.56	20.28'	40.56	S13°23'55"E	00117'31
C60	1799.00'	40.56	20.28'	40.56	S14°41'26"E	001°17′31
C61	1799.00'	40.56	20.28'	40.56	S15*58'56"E	00117'31
C62	1799.00'	40.56'	20.28'	40.56	S1716'27"E	00117'31
C63	1799.00'	7.29'	3.65'	7.29'	S18°02'11"E	00013'56
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00 A TI	ON MAI					

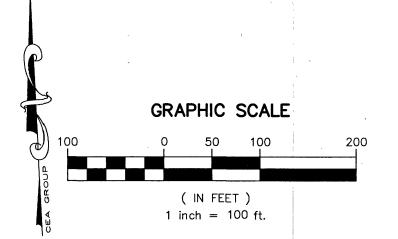




SCALE: 1"=600' TRES SUEÑOS **UNIT** TWENTY-THREE

INSTRUMENT No. 20220042360 DATE 5/3/2072

- 3. RESTRICTIVE COVENANTS FOR THIS SUBDIVISION ARE FILED IN THE OFFICE OF THE COUNTY CLERK, DEED AND RECORD INSTRUMENT No. 20220042364 DATE 518 2022
- 4. SUBDIVISION IMPROVEMENTS AGREEMENT & GUARANTEE FOR THIS SUBDIVISION IS FILED IN THE OFFICE OF THE COUNTY INSTRUMENT No. 20220042363 DATE 51312022
- 5. INTERIOR LOT CORNERS WILL BE SET UPON COMPLETION OF CONSTRUCTION OF ROADWAYS AND UTILITIES. (BY OTHERS) SET 1/2" REBAR WITH CAP STAMPED "B&A INC" AT ALL EXTERIOR BOUNDARY CORNERS UNLESS OTHERWISE SHOWN.
- 6. "U.S. POSTAL SERVICE DELIVERY WILL BE PROVIDED THROUGH NEIGHBORHOOD DELIVERY AND COLLECTION BOX UNITS."
- 7. THIS SUBDIVISION LIES WITH IN ZONE "X" AS DESIGNATED IN PANEL NO. 480212 0175B, DATED SEPTEMBER 4, 1991, OF THE FLOOD INSURANCE RATE MAPS, EL PASO COUNTY, TEXAS. ZONE "X" INDICATES AREAS DETERMINED TO BE OUTSIDE
- 8. VEHICULAR ACCESS SHALL BE RESTRICTED TO RESIDENTIAL LOTS AS PER THE DESIGNATED 10-FOOT RESTRICTED ACCESS EASEMENT. THE INSTRUMENT ASSURING RELEASE OF ACCESS IS FILED IN THE OFFICE OF THE COUNTY CLERK, DEED AND INSTRUMENT No. 20220042364 DATE 5 3 2022
- 9. DENOTES PROPOSED MONUMENT. (MAY BE SUBJECT TO RELOCATION AT TIME OF CONSTRUCTION. FOR EXACT LOCATION
- PLEASE CONTACT THE CITY OF EL PASO.) 10. ADENOTES PROPOSED MONUMENT AS PER TRES SUEÑOS UNIT TWENTY-THREE SUBDIVISION. (NOT IN PLACE AS OF DATE OF PREPARATION)
- 11. 10' U.E. = 10 FOOT UTILITY EASEMENT
- 12. DEED REFERENCE: INST. NO. 20050097104, INST. NO. 20120086878, INST. NO. 20140032495, REAL PROPERTY RECORDS OF EL PASO COUNTY, TEXAS.



TOTAL LOTS

=98

RESIDENTIAL

SCHOOL DISTRICT PARK SOCORRO INDEPENDENT SCHOOL DISTRICT POND 12440 ROJAS DR, EL PASO, TX 79928

BENCHMARK:

CITY MONUMENT AT POINT OF CURVE CENTERLINE RICH BEEM BLVD., S08'43'31'E A DISTANCE OF 467.58 FEET FROM THE SOUTHERLY RIGHT OF WAY LINE OF MONTANA AVENUE. ELEVATION: 4005.40 (CITY DATUM)

TRES SUEÑOS UNIT TWENTY-THREE

A PORTION OF SECTION 27, BLOCK 79, TOWNSHIP 2, TEXAS AND PACIFIC RAILROAD COMPANY SURVEYS, CITY OF EL PASO, EL PASO COUNTY, TEXAS. CONTAINING 18.22 ACRES ±

DEDICATION

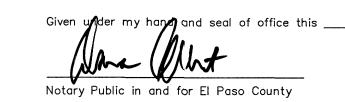
JNC Development INC., the owners of this land, do hereby present this map and dedicate their respective portions of property to the use of the public, the streets, ponding area, park, pedestrian right-of-way, drainage right of way and utility easements as hereon laid down and designated, including easements for overhang of service wires for pole type utilities and the right for installation of service poles alongside lot lines as may be required, easements for buried service wires, conduits and pipes for underground utilities, and the right to ingress and egress for service and construction, and the right to trim interfering trees

Carlos D. Bom

ACKNOWLEDGEMENT

STATE OF TEXAS COUNTY OF EL PASO

Before me, the undersigned authority, on this day personally appeared Carlos D. Bombach, known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that he executed the same as the act and deed for the purpose and consideration herein expressed.



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DATE SUBSCIENCE 1 History TV & 1 27 7298

115-11 tober 14, 2122

CITY PLAN COMMISSION

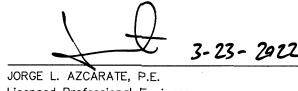
This subdivision is hereby approved as to the platting and as to the condition of the dedication in

FILING

Filed and recorded in the office of the County Clerk of El Paso County, Texas, this

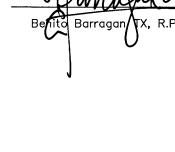
Subdivision improvement plans prepared by and under the supervision of CEA Group.

This plat represents a survey made on the ground by me or under my supervision and complies with the current Texas Board of Professional Land Survey Professional and Technical Standards.



Licensed Professional Engineer Texas License No. 85075 JORGE L. AZCARATE

85075



SURVEYOR

ENGINEER

www.ceagroup.net TEXAS REGISTERED ENGINEERING FIRM F-4564 CONTACT: JORGE L. AZCARATE, P.E.



10950 Pellicano Dr. Bldg. F — El Paso TX 79935 Phone (915) 591—5709 Fax (915) 591—5706 CONTACT: BENITO BARRAGAN, R.P.L.S.

DATE OF PREPARATION: MAY 2021

SUBDIVISION INPROVENERS LIANEINT-LIBEE TIBE SONE ON SIL

LEGAL DESCRIPTION

SYBVRUS YNA9MOD GAORLIAR DIFICAR GIAN SAXBT A PORTION OF SECTION 27, BLOCK 79, TOWNSHIP 2,

CONTAINING 18.22± ACRES CITY OF EL PASO, EL PASO COUNTY, TEXAS

C14.1-C14.3	STORM WATER POLLUTION PREVENTION PLAN
C13.5–C13.7	SANITARY SEWER DETAILS
C13.2-C13.4	SANITARY SEWER PLAN & PROFILES
C13.1	SANITARY SEWER INDEX / GENERAL INFORMATION
C12.2—C12.5	WATER DETAILS
CIS.1	WATER INDEX / GENERAL INFORMATION
5.113-1.113	ИАЈЧ ИОПАИМИТОМ РЕАИ
C10.1-C10.4	DRAINAGE DETAILS
5.60-1.60	STANDARD DETAILS
r.80	POND DESIGN PLAN
2.70-1.70	STORM SEWER PLAN & PROFILES
8.92-1.92	STREET PLAN & PROFILES
C2.1–C5.2	GRADING SECTIONS
C4.1	DRAINAGE PLAN
C3.1	GRADING PLAN
C2.1	TALP PLAT
1.10	GENERAL INFORMATION
CVR	COVER SHEET
SHEET NUMBER	SHEET TITLE

SHEET TITLE	SHEET NUMBER
COVER SHEET	СЛВ
CENERAL INFORMATION	1.10
TAJ9 JANR	C2.1
CRADING PLAN	r.2J
DRAINAGE PLAN	C4:1
CRADING SECTIONS	C5.1–C5.2
STREET PLAN & PROFILES	8.30-1.30
STORM SEWER PLAN & PROFILES	2.7.3-1.7.2
POND DESIGN PLAN	1.80
STANDARD DETAILS	5.60-1.60
DRAINAGE DETAILS	C10.1-C10.4
NAJ9 NOTTANIMUTIL	C11.1-C11.3
WATER INDEX ✓ GENERAL INFORMATION	C12.1
WATER DETAILS	C12.2-C12.5
SANITARY SEWER INDEX / GENERAL INFORMATION	C13.1
SANITARY SEWER PLAN & PROFILES	C13.2-C13.4
SANITARY SEWER DETAILS	C13.5–C13.7
ОТОКМ МАТЕК РОLLUTION РREVENTION РLAN	C14.1-C14.3
NIVID DREAMS PARK PLANS	87-I7





MILITARY RESERVATION

PRAXEDES G. GUERRER



TWENTY-THREE

ONALIMIXAM 38T

| Saat |

. ASTBROOK, DR.

TEXAS REGISTERED ENGINEERING FIRM F-4564

URVEYOR:	BARRAGAN & ASSOCIATES INC.	10950 PELLICANO DR. BUILDING F	EL PASO, TX 79935	6049-169 (916)	8073-163 (319)
NCINEER:	CEA GROUP	313 N. KANSAS STREET, STE. 300	EL PASO, TX 79902	(915) 544–5232	
)MNEB:	1NC DEVELOPMENT	12300 MONTWOOD DR.	EL PASO, TX 79928	1110-6+8 (916)	
	NAME	ADDRESS	CITY & ZIP	PHONE	FAX

PRINCIPAL CONTACTS:

HME WHEELCHAIR RAMP HORIZONTAL: VERTICAL SLOPE RATIO DRAINAGE AREA

HEADWALL WITH WINGWALLS THRUST BLOCK

> EXIZLING FOW POINT EXISTING HIGH POINT

> > LOW POINT

DRAINAGE FLOW

SUBDIVISION LOT AND BLOCK NUMBER TOP OF PAVEMENT ELEVATION 00.0004 TT

> <u>00.000+ 0T</u> ROLLED CURB ELEVATION RC 4000.00

> > FG 4000.00

— — 000*†*— —

4000

FINISHED SPOT ELEVATION 00.0004 SECTION DETAIL IS LOCATED

——SHEET NUMBER WHERE STANDARD -STANDARD DETAIL/SECTION NUMBER NEW RETAINING ROCKWALL (13'-20' IN HEIGHT)

LOT FINISHED GROUND ELEVATION

NEW RETAINING ROCKWALL (9'-13') IN HEIGHT

TOP OF CURB ELEVATION

EXISTING GROUND CONTOUR ELEVATION (INTERMEDIATE) EXISTING GROUND CONTOUR ELEVATION (INDEX)

NEW RETAINING ROCKWALL $(2^{1}-3^{2})$ IN HEIGHT)

FINISHED GROUND CONTOUR ELEVATION (INTERMEDIATE) FINISHED GROUND CONTOUR ELEVATION (INDEX)

> STORM SEWER MANHOLE CURB AND GUTTER DROP INLET

HICH WATER MARK

EASEMENT LINE

STREET CENTERLINE

SUBDIVISION BOUNDARY

LEGEND

AND APPROVED BY THE ENGINEER. 11. THE LOCATION OF THE INLETS SHALL BE AT THE FIELD LOW POINT

JURISDICTION OVER THE PROJECT. CONFORMANCE WITH CURRENT SAFETY CODES AND STANDARDS WITH 10. ALL WORK REQUIRED BY THESE PLANS SHALL BE CONDUCTED IN

PROJECT, UNLESS APPROVED IN WRITING BY THE ENGINEER. 9. VIBRATORY ROLLERS WILL NOT BE PERMITTED ON ANY PHASE OF THIS

> ELEVATIONS. 8. SEE REFERENCED BENCHMARK ON TITLE BLOCK FOR DATUM

FOR THEIR CORRECTNESS. ENCINEER, OTHERWISE THE CONTRACTOR SHALL BE HELD RESPONSIBLE DISCREPANCIES FOUND SHALL BE REPORTED IMMEDIATELY TO THE DIMENSIONS AND GRADES BEFORE PROCEEDING WITH THE WORK, ANY REFERENCED POINTS ONLY. THE CONTRACTOR SHALL VERIFY ALL 7. THE OWNER WILL FURNISH HORIZONTAL AND VERTICAL CONTROL

OMNEK.

REPLACED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE DISTURBED AS A RESULT OF THE NEW CONSTRUCTION, SHALL BE 6. ALL EXISTING PAVEMENT, ADJACENT UTILITIES, STRUCTURES, ETC.,

JURISDICTION OVER THE PROJECT. WITH THE USER, ALL UTILITIES, AND ALL OTHER AGENCIES WITH 5. THE CONTRACTOR SHALL COORDINATE THE CONSTRUCTION SCHEDULE

EXPENSE OF THE CONTRACTOR. BE CONSIDERED INCIDENTAL TO THE WORK, AND SHALL BE AT THE HANDLING OF WATER IN ORDER TO MAINTAIN DRY CONDITIONS SHALL SUCH PROPER PASSAGE OF RUNOFF WATER AND ANY REMOVAL OR

LABOR, TOOLS, EQUIPMENT, AND SUPERVISION REQUIRED TO ASSURE STORM RUNOFF DURING THE COURSE OF HIS OPERATIONS. ALL AND PERFORM HIS WORK SO AS TO ASSURE PROPER PASSAGE OF 4. IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO SCHEDULE

RESULT OF THE WORK. EXTRA COST TO THE OWNER WHEN LINES ARE DISTURBED AS A PROTECT, AND REPLACE ALL UNDERGROUND UTILITY LINES AT NO 3. IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE,

MEEKEND2 AND HOLIDAYS. BEFORE QUITTING TIME. THIS SHALL ALSO BE DONE DURING A DAY TO KEEP DUST TO A MINIMUM - ONCE IN THE MORNING AND 2. CONTRACTOR SHALL WATER CONSTRUCTION AREA A MINIMUM OF TWICE

PROJECT SITE PRIOR TO SUBMITTING BIDS. 1. THE CONTRACTOR SHALL VISIT AND FAMILIARIZE HIMSELF WITH THE

CENERAL NOTES

HIGH WATER ELEVATION HYDRAULIC GRADE LINE НСГ VELOCITY IN FEET PER SECOND **YAAAO9MAT** TEMP SLOPE DELTA ANGLE TANGENT RADIUS ГЕИСТН POINT OF TANGENT POINT OF INTERSECTION POINT OF CURVATURE CONCRETE CONC **GRADNATS** SLD LINEAR FEET DRAINAGE AREA AQCUBIC FEET PER SECOND INVERT **EXPECTED** EXP **YTIDA9AD** САР YTITNAUQ REINFORCED CONCRETE PIPE RCP MUMIXAM.XAM MUMINIM .NIM. EXIZING GRADE EC FINISH FLOOR FINISH GRADE FC PROPERTY LINE СГ CENTER LINE MOA RIGHT OF WAY CURVE RETURN $\mathsf{C}\mathsf{K}$ ALGEBRAIC DIFFERENCE ДА POINT OF VERTICAL TANGENT POINT OF VERTICAL INTERSECTION POINT OF VERTICAL CURVE PVC **TYPICAL** TOP OF PAVEMENT TOP OF MEDIAN MT TOP OF CURB VERTICAL CURVE ELEVATION Λ CE VERTICAL CURVE STATION ΛCZ **NOITATS** ELEVATION HICH POINT LOW POINT <u>SNOITAIN 3888</u> THIS PLAN AND SPECIFICATIONS.

DURING THE GRADING OPERATIONS TO ENSURE GRADING WORK IN ACCORDANCE WITH BEGNIKED DENZITIES ARE NOT MET, SUPERVISION BY THE GEOTECHNICAL ENGINEER THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL ADDITIONAL TESTING AND WHEN PORTION SHALL BE REWORKED UNTIL THE REQUIRED DENSITY HAS BEEN OBTAINED. OR PORTION THEREOF IS BELOW THE REQUIRED DENSITY, THE PARTICULAR LAYER OR SURFACE. WHEN THESE TESTS INDICATE THAT THE DENSITY OF ANY LAYER OF FILL TESTS SHALL BE TAKEN IN THE COMPACTED MATERIAL BELOW THE DISTURBED PERFORM FIELD DENSITY TEST OF THE COMPACTION OF EACH LAYER OF FILL. DENSITY 8. QUALITY CONTROL: THE OWNER SHALL PROVIDE A GEOTECHNICAL ENGINEER TO

PERMIT COMPACTION TO SPECIFIED DENSITY. AND REPLACE, OR SCARIFY AND AIR DRY SOIL MATERIAL THAT IS TOO WET TO SHALL BE WITHIN 2 PERCENTAGE POINTS OF OPTIMUM MOISTURE CONTENT. REMOVE SURFACE DURING OR SUBSEQUENT TO COMPACTION OPERATIONS. WATER CONTENT MINIMUM QUANTITY AS NECESSARY TO PREVENT FREE WATER FROM APPEARING ON WATER TO SURFACE OF SUBGRADE OR LAYER OF SOIL MATERIAL. APPLY WATER IN CONDITIONED FOR OPTIMUM MOISTURE BEFORE COMPACTION, UNIFORMLY APPLY 7. MOISTURE CONTROL: WHERE SUBGRADE OR LAYER OF SOIL MATERIAL MUST BE

ACCORDANCE WITH ASTM D-1557. EACH LIFT. COMPACT SOIL TO NOT LESS THAN 95% OF MAXIMUM DENSITY, IN APPURTENANCES, PIPING, OR CONDUIT TO APPROXIMATELY SAME ELEVATION IN OF PIPING OR CONDUIT BY CARRYING MATERIAL UNIFORMLY AROUND SITE WEDGING ACTION OF BACKFILL AGAINST SITE APPURTENANCES OR DISPLACEMENT APPURTENANCES, PIPING, OR CONDUIT TO REQUIRED ELEVATIONS. PREVENT MOISTURE CONTENT, PLACE FILL MATERIALS EVENLY ADJACENT TO SITE MOISTEN OR AERATE EACH LAYER AS NECESSARY TO PROVIDE OPTIMUM MATERIAL COMPACTED BY HAND-OPERATED TAMPERS. BEFORE COMPACTION, COMPACTION EQUIPMENT, AND NOT MORE THAN 4 INCHES IN LOOSE DEPTH FOR MORE THAN 8 INCHES IN LOOSE DEPTH FOR MATERIAL COMPACTED BY HEAVY

PLACEMENT OF FILL: PLACE BACKFILL AND FILL MATERIALS IN LAYERS NOT COMPACTED TO 95% OF MAXIMUM DENSITY IN ACCORDANCE WITH ASTM D-1557. UNIFORM AND FREE FROM LARGE CLODS, BROUGHT TO OPTIMUM MOISTURE, AND SCARIFYING FILL AREA, IT SHALL THEN BE DISCED OR BLADED UNTIL IT IS FILL MATERIAL WILL BOND WITH EXISTING SURFACE, AFTER PLOWING AND THAT FILL MATERIAL WILL BOND WITH 1 VERTICAL TO 4 HORIZONTAL SO THAT BREAK UP SLOPED SURFACES STEEPER THAN 1 VERTICAL TO 4 HORIZONTAL SO FEATURES WHICH WOULD PREVENT UNIFORM COMPACTION, PLOW STRIP, OR UNTIL THE SURFACE IS FREE FROM RUTS, HUMMOCKS OR OTHER UNEVEN SURFACE SHALL THEN BE SCARIFIED TO A DEPTH OF AT LEAST 6-INCHES, AND FROM GROUND SURFACE UPON WHICH THE FILL IS TO BE PLACED. THE UNSATISFACTORY SOIL MATERIAL, OBSTRUCTIONS, AND DELETERIOUS MATERIAL 5. GROUND SURFACE PREPARATION FOR FILL: REMOVE VECETATION, DEBRIS,

> MATERIAL AND OBSTRUCTIONS ENCOUNTERED. ELEVATIONS INDICATED, RECARDLESS OF CHARACTER OF 4. EXCAVATION: IS UNCLASSIFIED AND INCLUDES EXCAVATION TO

OTHERWISE APPROVED BY ENGINEER, OR CITY ENGINEER. AND PT, OR WHERE THE PLASTICITY INDEX EXCEEDS 12, UNLESS WITH ASTM D2487 SOIL CLASSIFICATION GROUPS ML, MH, CL, CH, OL, OH, UNSATISFACTORY FILL MATERIAL: ARE DEFINED AS THOSE COMPLYING

GROUPS GW, GP, GM, GC, SM, SP, SM, AND SC. DEFINED AS THOSE COMPLYING WITH ASTM D2487 SOIL CLASSIFICATION OR LUMPS OVER 3 INCHES IN GREATEST DIMENSION AND SHALL BE ORGANIC OR DELETERIOUS SUBSTANCE AND SHALL NOT CONTAIN ROCKS 2. SATISFACTORY FILL MATERIALS: FILL MATERIALS SHALL BE FREE OF ANY

PERMITED ON OWNER'S PROPERTY. REMOVE WASTE MATERIALS FROM AND AS NECCESSARY TO FACILITATE NEW CONSTRUCTION. BURNING IS NOT EXISTING ABOVE—GRADE AND BELOW—GRADE IMPROVEMENTS AS INDICATED NNLESS FURTHER EXCAVATION OF EARTHWORK IS INDICATED; REMOVE CLEARING AND GRUBBING OPERATIONS WITH SATISFACTORY FILL MATERIAL, PROTUDING THROUGH GROUND SURFACE; FILL DEPPRESIONS CAUSED BY VEGETATION; COMPLETELY REMOVE STUMPS, ROOTS AND OTHER DEBRIS CEERRING AND GRUBBING: CLEAR SITE OF TREES, SHRUBS AND OTHER

CRADING SPECIFICATIONS

NIVID DREAMS PARK DETAILS. NIVID DREAMS PARK DETAILS. VIVID DREAMS PARK IRRIGATION PLANS. VIVID DREAMS PARK LANDSCAPE PLANS VIVID DREAMS PARK LANDSCAPE PLANS. STORM WATER POLLUTION PREVENTION PLAN: DETAILS. Σ.41J. Z.41J. STORM WATER POLLUTION PREVENTION PLAN: SITE PLAN. 1.41J. STORM WATER POLLUTION PREVENTION PLAN: GENERAL NOTES. SANITARY SEWER DETAILS (SHEET 3 OF 3). 7.213. SANITARY SEWER DETAILS (SHEET 2 OF 3). 613.6 **3.Σ1**3. SANITARY SEWER DETAILS (SHEET 1 OF 3). C13.4 SANITARY SEWER PLAN & PROFILE: LINE C & D. Σ.ΣIO. SANITARY SEWER PLAN & PROFILE: LINE B, E & F. S.Σ13. SANITARY SEWER PLAN & PROFILE: LINE A. 1.51J. SANITARY SEWER INDEX. C12.5 WATER DETAILS (SHEET 4 OF 4). 4.212.4 WATER DETAILS (SHEET 3 OF 4) E.SIO. WATER DETAILS (SHEET 2 OF 4). 2.212. WATER DETAILS (SHEET 1 OF 4) 1.210. WATER LINE INDEX. E.IID. CONSTRUCTION PHASING PLAN. 2.110. ILLUMINATION AND SIGNAGE DETAILS. 1,110. ILLUMINATION AND SIGNAGE PLAN AND DETAILS DRAINAGE DETAILS (SHEET 4 OF 4). DRAINAGE DETAILS (SHEET 3 OF 4). ξ.010. 2.010. DRAINAGE DETAILS (SHEET 2 OF 4). DRAINAGE DETAILS (SHEET 1 OF 4). STANDARD DETAILS (SHEET 3 OF 3). STANDARD DETAILS (SHEET 2 OF 3). STANDARD DETAILS (SHEET 1 OF 3). POND DESIGN PLAN STORM SEWER PLAN & PROFILE: LINE B. STORM SEWER PLAN & PROFILE: LINE A. ROSE ELISE STREET P&P STA. 0+00.00 TO STA. 3+75.52. JENNIFER CLAIRE LANE P&P STA. 0+00.00 TO STA. 4+73.47. VINCENT JAMES STREET P&P STA. 0+00.00 TO STA. 4+12.55. MARCELLA SANTILLANA STREET P&P STA. 0+00.00 TO STA. 4+06.64. HECTOR MUÑOZ DRIVE P&P STA. 0+00.00 TO STA. 5+60.77. STREET A P&P STA. 5+60.77 TO STA. 6+42.37 GLORIA CASTILLO STREET P&P STA. 12+00.00 TO STA. 14+81.72. GLORIA CASTILLO STREET P&P STA. 5+50.00 TO STA. 12+00.00.

MARGARITA TALAMANTES STREET P&P STA. 0+00.00 TO STA. 4+03.92. GLORIA CASTILLO STREET P&P STA. 4+03.92 TO STA. 5+50.00

GRADING SECTIONS (SHEET 2 OF 2).

CRADING SECTIONS (SHEET 1 OF 2).

DRAINAGE PLAN.

GRADING PLAN

CENERAL INFORMATION

INDEX OF DRAWINGS

<u>DRAMING NAME</u>

FINAL PLAT.

COVER.

RICH BEEM IRRIGATION PLANS.

KICH BEEM LANDSCAPE PLANS.

NIVID DREAMS PARK NOTES.

SHEET NO.

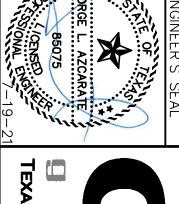
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SHEET TITLE

SUBDIVISION ĕ. S.

NOVEMENTS Z코있







813 N. Kansas St. Suite 300 El Paso, TX 79902 915.544.5232

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58 E

BELOHE YOU DIG **WARNING!**

FOR FIELD LOCATING EXISTING UTILITIES

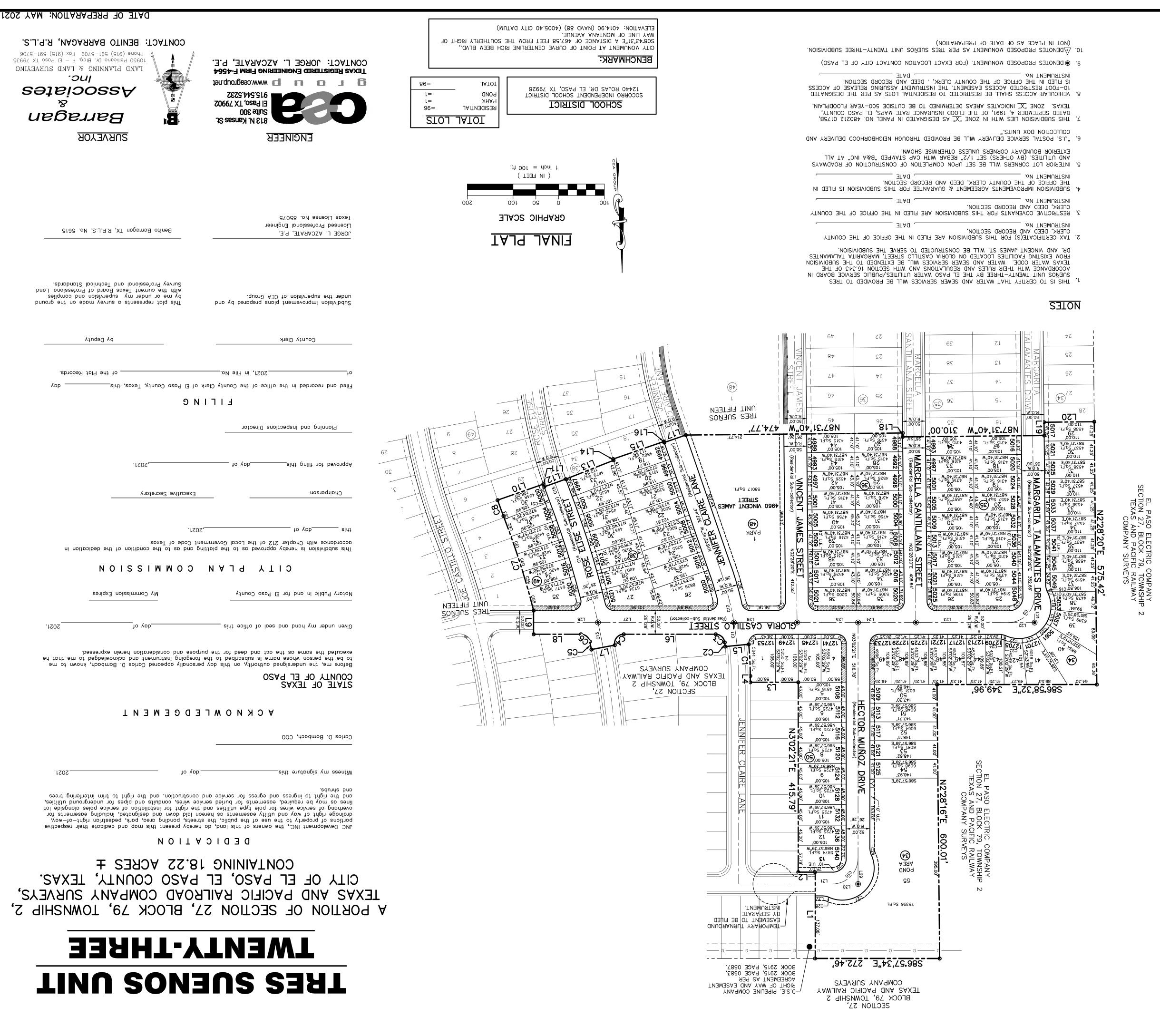
6780-128 (008) 987Σ-<u>2</u>28 (008) (800) 242-6005 0027-089 (319) 2211–277 (319) (800) MCI-MORK 0099-+69 (916) 4479-96+ (916)

S. SPRINT TELECOMM TEXAS GAS SERVICE TIME WARNER COMMUNICATIONS MCI SURVEILLANCE EL PASO WATER UTILITIES L PASO ENERGY CORPORATION EL PASO ELECTRIC COMPANY **C.5.**2

r.60.

SHEET NO.

(915) 543-5720 UTILITY LOCATOR SERVICES



TRES SUEÑOS **339HT-YTN3WT** TRES SUEÑOS ARIA LOPEZ DRIVE RMANDO SILVA DRIVE AYLA MIA DRIVE

2CALE: 1"=600"

50.28' 40.56' S15'58'56"E 001'17'31" 50.28' | 40.56' | S14'41'26"E | 001'17'31" 50.28' | 40.56' | S13.23'55"E | 001'17'31" 72.82' | 47.63' | S11.59'39"E | 001'31'01" 25.71' 31.57' S40'55'08"W 104'14'42" 72.85' | 51.70' | S11.58'52"E | 001.33'19" 51.48' | 42.95' | S13.24'17"E | 001'17'31" | 51.48' | 42.95' | S14.41'47"E | 001'17'31" \text{51.48} | 45.95 | \text{815.59} | \text{80117.31} 51.48' | 42.95' | S17'16'49"E | 001'17'31" 2.48, | S18.00,20"E | 000.09'53 14.86' | 29.72' | N17'18'47"W | 001'35'19" .61,22.100 | M.,48,481.41N | .001.22,16, 6.43, | 12.86, | S17.54,09"E | 000.22'37 | 21\.04,28.E | 001.12,48. T0.59' 41.18' S15'50'50"E | 001'12'25' 22.62' 45.24' S14'34'51"E | 001'19'33" 50.64' 41.28' S13'18'47"E | 001'12'35' | 215.04,20,E | 001.12,28, 43.21، 21.61 12.74' | 24.74' | N48'45'01"W | 076'25'01" 25.81' | 31.62' | S40'48'57"W | 104'27'04' 57.32, | 54.59, | S13.43,39"E | 004.38'07 +0.61' | 81.10' | S12'50'20"E | 006'24'4" 16.00° | 24.99° | N48'17'45"W | 077'19'33' 50.20' | 28.42' | 547'45'25"W | 090'34'09' 16.80' | 28.14' | N42'14'36"W | 089'25'51' | 58[.]45, | 247.45,25°, W | 090.34,09, 19.80' | 28.14' | N42'14'36"W | 089'25'51 20°20, | 45°64, | 242,42,52,M | 060.24,06, 8.36° | 16.37° | S75'09'08"E | 023'37'01 178.78' | 130.36' | S48.02'21"W | 137'14'03' 8.36' | 16.37' | N08'46'10"W | 023'37'01 20.00' | 28.28' | N48'02'25" | 090'00'08' | 11.44' | S78'44'24"E | 016'26'13 5.78، | 267.00'02"E | 007.02'32' 4٬61 2.46، | 22′16, | N\8.01,55″,M | 056.02,14, 21.85' | S74'16'56"W | 026'18'10 28.62' | SO7'29'11"E | 032'01'24'

2.65' 7.29' S18'02'11"E | 000'13'56" Ce3 | 1799.00' 7.29' 217'16'27"E 1799.00 ا ا 66′00، | C91 ا ۱۷66٬00، 40.56 090 ,99°0+ \,\,00°66\,\ C26 11799.00 4۲.63, C28 C27 | 20.00° ,6Σ.9Σ C26 | 1905.00' | 51.71' C24 | 1602'00, | 45'62, | 1802.00' | 42.95' C27 | 1802'00, | 1802[.]00, | 2.48 CQJ C20 | 1092.00' 1042.00 C**†**6 C+8 | 1822.00° 1922.00 4Σ`۱۱، C+6 | 1955.00' | 41.18' 1922.00 C++ | 1922.00' | 41.28'

43.21

,91.9Σ

.22.88

2۱۲٬۱۲،

۲۵.44،

32.20

CURVE RADIUS LENGTH TANGENT CHORD BEARING

CURVE TABLE

1201.00' 37.18'

.00.0Z

1904.00

20.00

20.00

₹00.927

,00.3261

C+0 50.00°

C29 | 675.00°

C+5 | 1922.00' 30.71'

C43

GAM NOITAC

.00.0Z .00.0Z 20.00 20.00 30.00 4۲.42٬ '00.07 40.00 31.42' CS2 50.00° C54 ¢0.00° CZ2 40.00° 4.92, ۷0.0۲ ۷0.0۲ ۷0.0۲ 39.12, ۷0.0۲ ,99.062 1930.00 142.61' | 290.39' | S13'46'35"E | 008'37'44" **'**00.007

| 27.18' | N17'15'56"W | 001'46'26'

108.72' | 217.04' | S14.41'39"E | 006'55'00

16.37' | 25.34' | S47'39'00"E | 078'37'01

8.92' | 17.83' | S08'04'24"E | 000'32'12

54.20' 30.83' N42'37'05"E 100'50'47'

17.92' | 26.69' | S45°05'42"E | 083°43'38'

.07,62**.**900 | M., IS, Z I**.**00S

| NO2.05,51,E | 20.00, .48.041 W"12.72°88V .48.762 | W"IE'72°88N ,62.821 | W"I2**`**73•39 | N86.57'31"W | 133.53' | N86.57,31"W | 126.49 .23 | N86.57.31"W | 203.45 .92.92 | W"IZ'\7*68.56. L21 NO2.28'20"E | 56.56' .00.011 | W"0+'12'78N | 02_ .70.62 | W"02'82'208 | 61'J 18 | NO2.28,50,E | 8.50' .00.02 | W"81'72'Σ72 16 | N16°02°42"W | 2.39° ,99.711 | W"81'73**.**Σ72 214.50,41,E | 5.84' .75.29"W | 112.54° .00.03 | W"80'82°272 N16.22'18"W | 6.10' .60.901 | W"\71'\7+**·**Σ\2 | 202.00°28 | 52.00° .58 | N86.57'31"W | 103.55 N85,11,45,E 25.00' | N86.57.31"W | 201.38 2 | N87.32°41"E | 52.00° Γ¢ | ΝΟ2.ΟΣ,ΣΙ"Ε | 12.57'

| N86.57'31"W | 105.00'

\$86.57.39"E | 37.38"

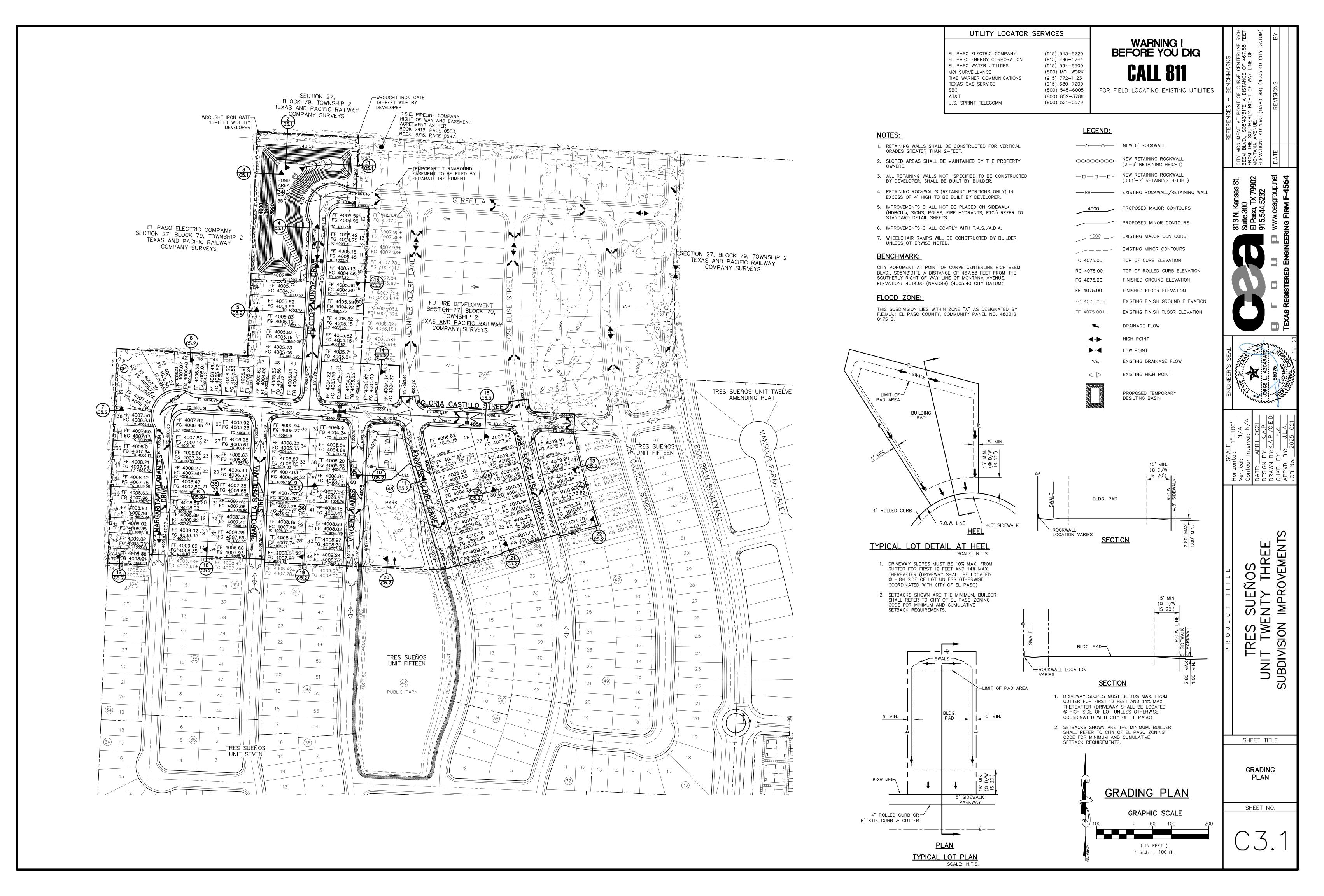
.80.681 | W"12,20**.**508

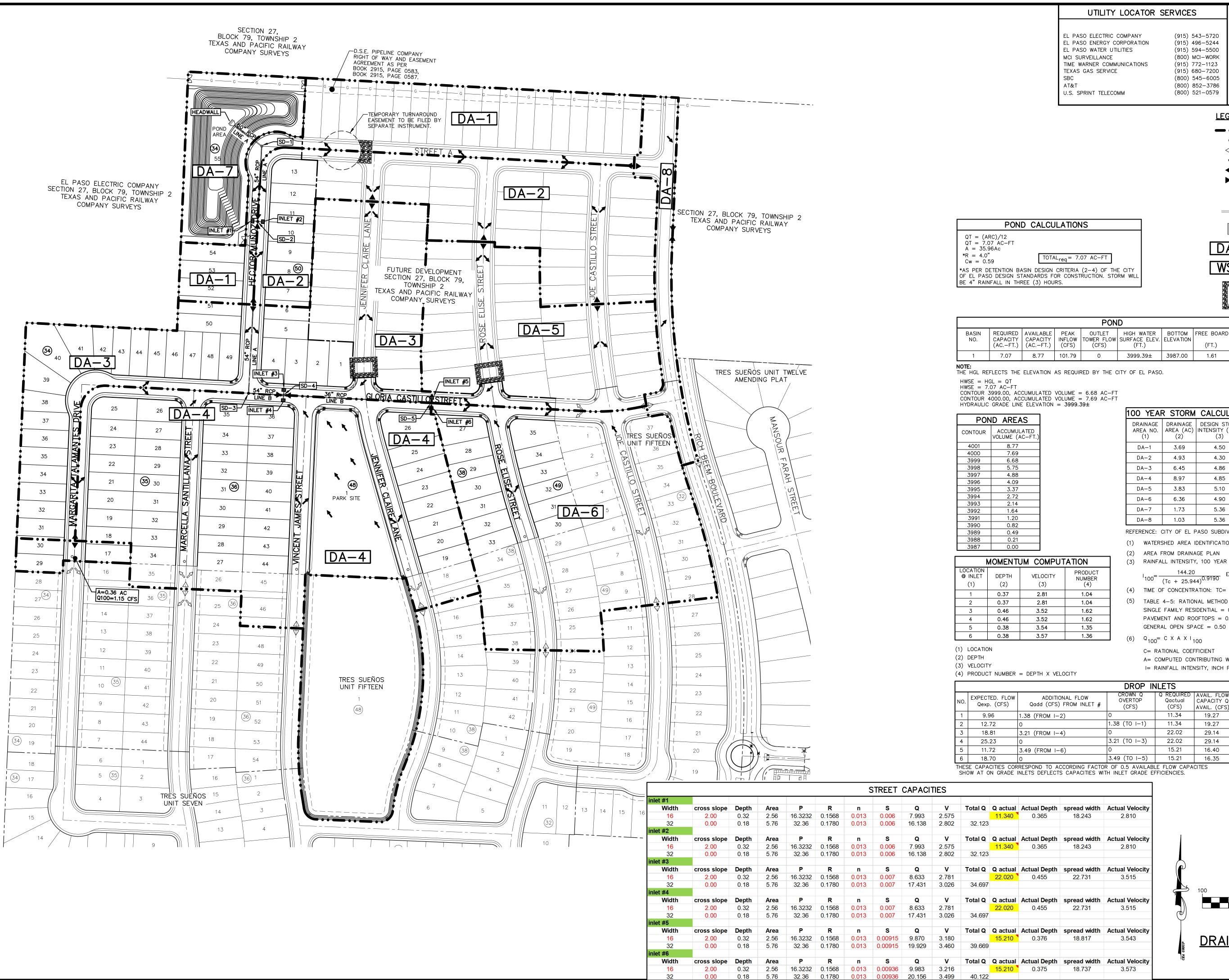
BEARING | LENGTH

LINE TABLE

31 | S86.27,39"E | 37.62" 28**e.**23,23,E | 20.00

TEXAS AND PACIFIC RAILROAD COMPANY SURVEYS, A PORTION OF SECTION 27, BLOCK 79, TOWNSHIP 2,





UTILITY LOCATOR SERVICES

(915) 543-5720 (915) 496-5244 (915) 594-5500 (800) MCI-WORK (915) 772-1123 (915) 680-7200 (800) 545-6005 (800) 852-3786

WARNING! BEFORE YOU DIG

FOR FIELD LOCATING EXISTING UTILITIES

LEGEND:

DRAINAGE AREA BOUNDARY EXISTING DRAINAGE FLOW EXISTING HIGH POINT DRAINAGE FLOW HIGH POINT LOW POINT DROP INLET STORM SEWER MANHOLE

RCP

HEADWALL STRUCTURE

WS-1

OFF SITE DRAINAGE AREA

DRAINAGE AREA

PROPOSED TEMPORARY DESILTING BASIN

	POND								
ASIN NO.	REQUIRED CAPACITY (ACFT.)	AVAILABLE CAPACITY (ACFT.)	PEAK INFLOW (CFS)	OUTLET TOWER FLOW (CFS)	HIGH WATER SURFACE ELEV. (FT.)	BOTTOM ELEVATION	FREE BOARD (FT.)	TOP ELEVATION	
1	7.07	8.77	101.79	0	3999.39±	3987.00	1.61	4001.00	

100 YEAF	R STORM	CALCULATI	ONS FOR W	ATERSHED	AREAS
DRAINAGE AREA NO. (1)	DRAINAGE AREA (AC) (2)	DESIGN STORM INTENSITY (1100) (3)	TIME OF CONCENTRATION (4)	RUNOFF COEFF. (C) (5)	Q100 (CFS) (6)
DA-1	3.69	4.50	17.52	0.60	9.96
DA-2	4.93	4.30	19.74	0.60	12.72
DA-3	6.45	4.86	14.04	0.60	18.81
DA-4	8.97	4.85	14.16	0.58	25.23
DA-5	3.83	5.10	12.00	0.60	11.72
DA-6	6.36	4.90	13.74	0.60	18.7
DA-7	1.73	5.36	10.00	0.50	4.64
DA-8	1.03	5.36	10.00	0.95	5.24

REFERENCE: CITY OF EL PASO SUBDIVISION STANDARDS (JUNE 2008)

(1) WATERSHED AREA IDENTIFICATION

(2) AREA FROM DRAINAGE PLAN

(3) RAINFALL INTENSITY, 100 YEAR STORM => EASTSIDE INTENSITY EQUATIONS (4-25) $I_{100} = \frac{144.20}{(\text{Tc} + 25.944)^{0.9190}}$ EQUATION 4-25

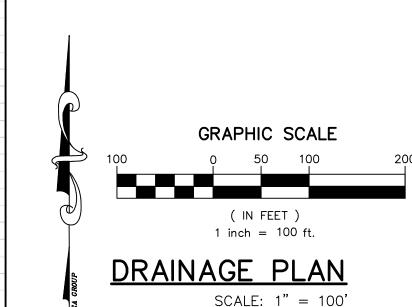
(4) TIME OF CONCENTRATION: TC= T (OVERLAND) + T (GUTTER)

(5) TABLE 4-5: RATIONAL METHOD DEVELOPED CONDITION COEFFICIENT (100yr C) SINGLE FAMILY RESIDENTIAL = 0.60 PAVEMENT AND ROOFTOPS = 0.95

(6) $Q_{100} = C \times A \times I_{100}$

C= RATIONAL COEFFICIENT A= COMPUTED CONTRIBUTING WATERSHEDS AREA, ACRES I= RAINFALL INTENSITY, INCH PER HOUR

	DROP INLETS									
NO.	EXPECTED. FLOW Qexp. (CFS)	ADDITIONAL FLOW Qadd (CFS) FROM INLET #	CROWN Q OVERTOP (CFS)	Q REQUIRED Qactual (CFS)	AVAIL. FLOW CAPACITY Q AVAIL. (CFS)		# OF GRATES	TYPE OF INLET	INLET LOCATION	
1	9.96	1.38 (FROM I-2)	0	11.34	19.27	0	2	1	SUMP	
2	12.72	0	1.38 (TO I-1)	11.34	19.27	0	2	I	SUMP	
3	18.81	3.21 (FROM I−4)	0	22.02	29.14	0	3		SUMP	
4	25.23	0	3.21 (TO I-3)	22.02	29.14	0	3	I	SUMP	
5	11.72	3.49 (FROM I−6)	0	15.21	16.40	0	4	I	ON GRADE	
6	18.70	0	3.49 (TO I-5)	15.21	16.35	0	4	I	ON GRADE	



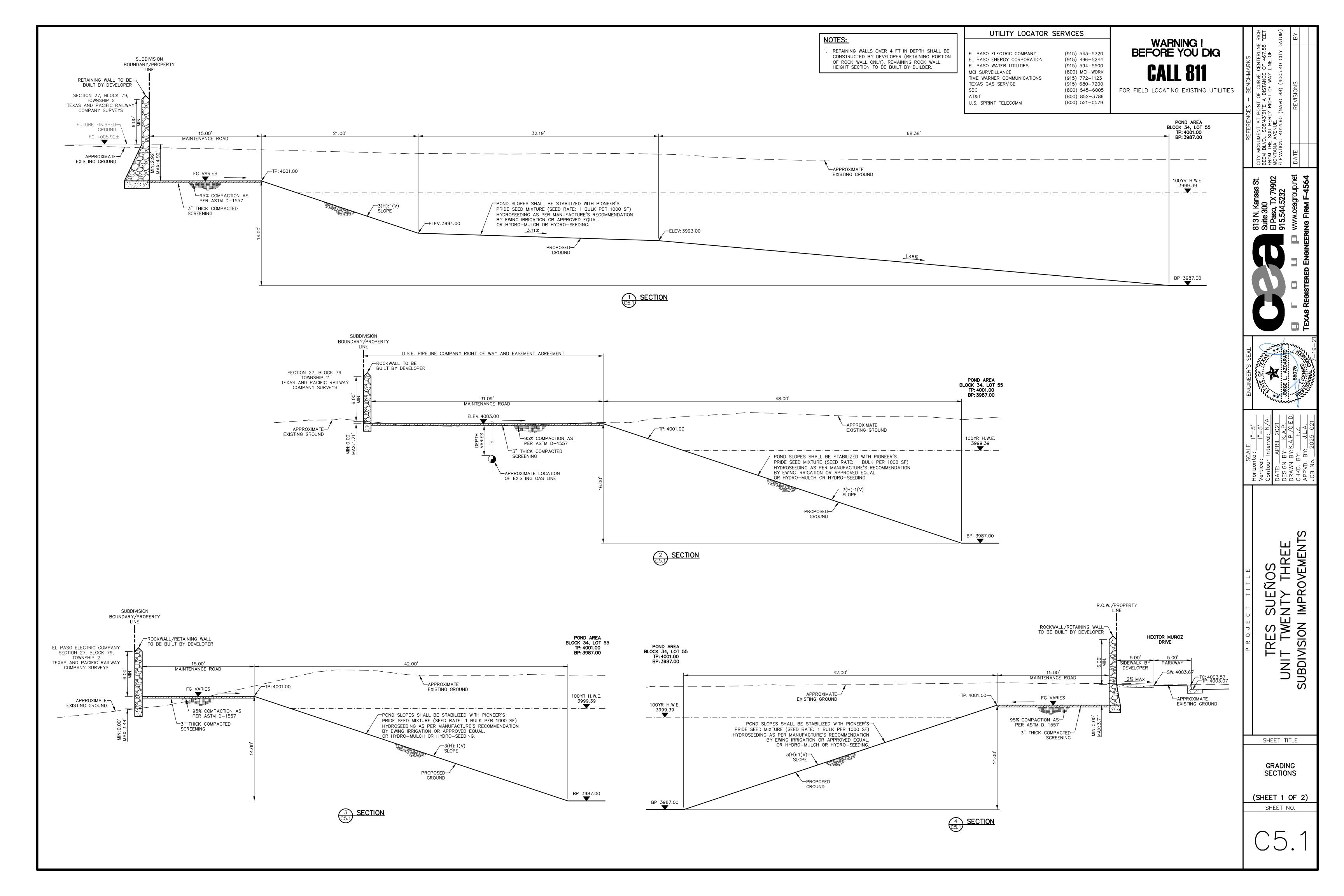
SUEÑOS ENTY THREE IMPROVEMENTS TRES SUBDIVISION I

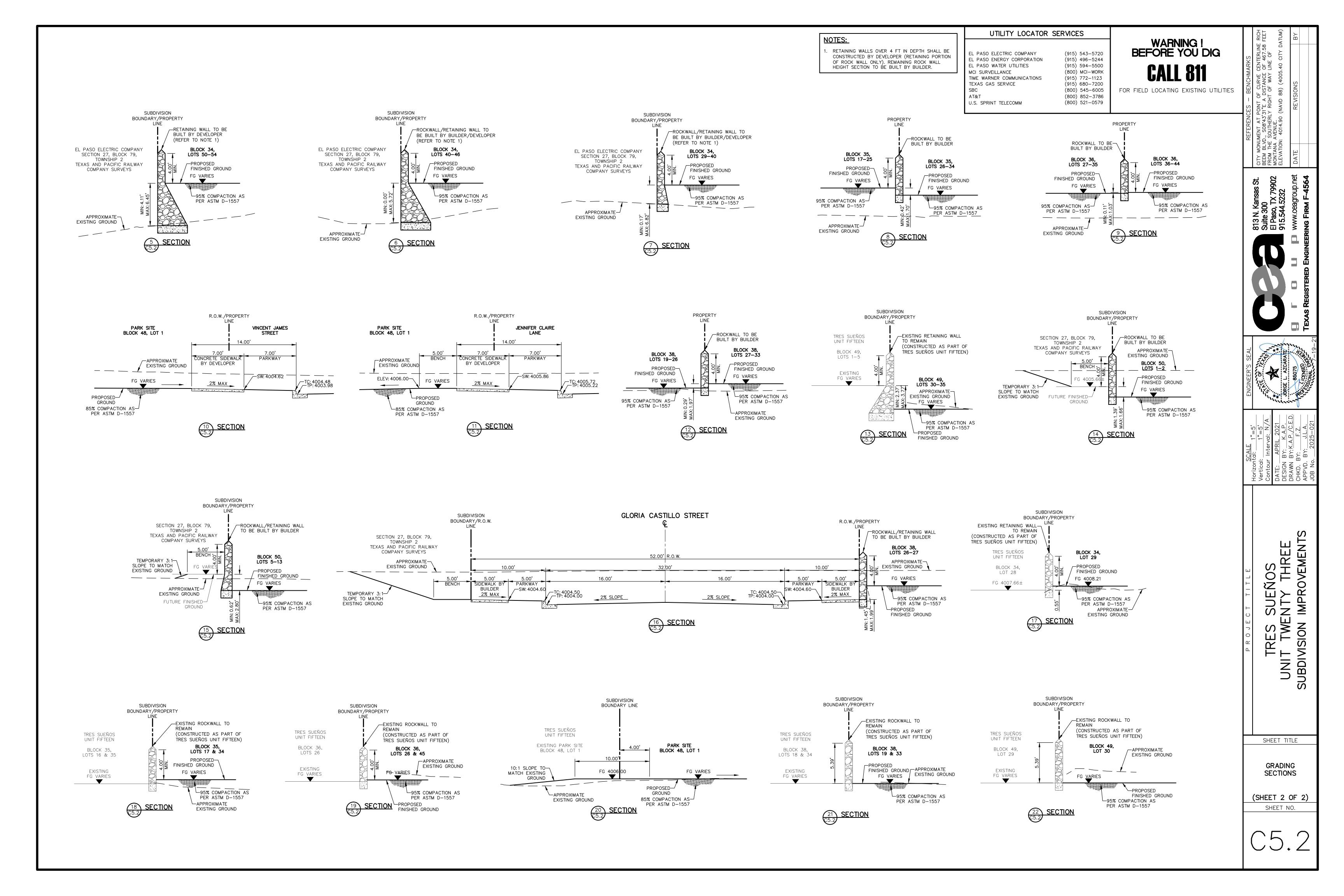
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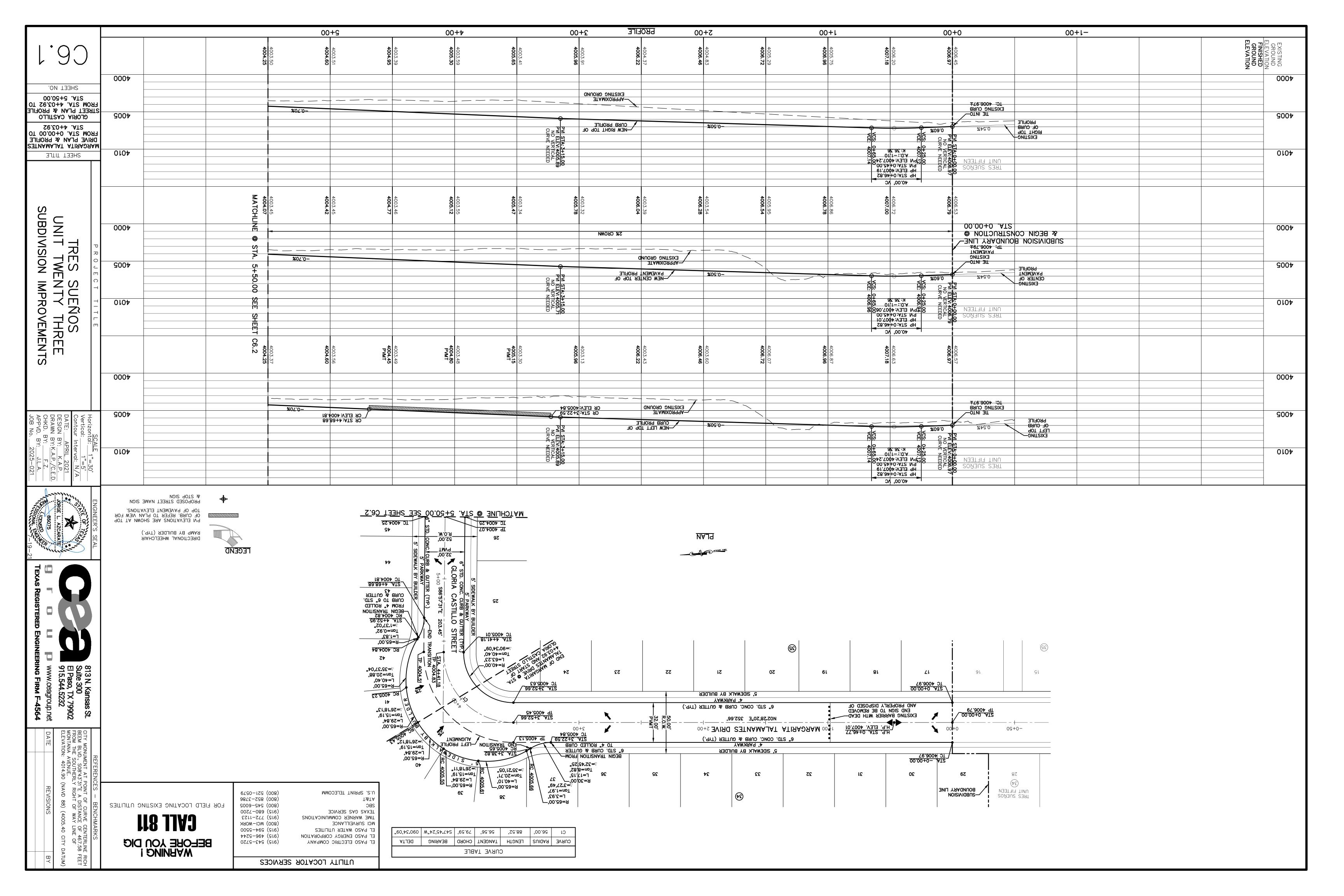
DRAINAGE

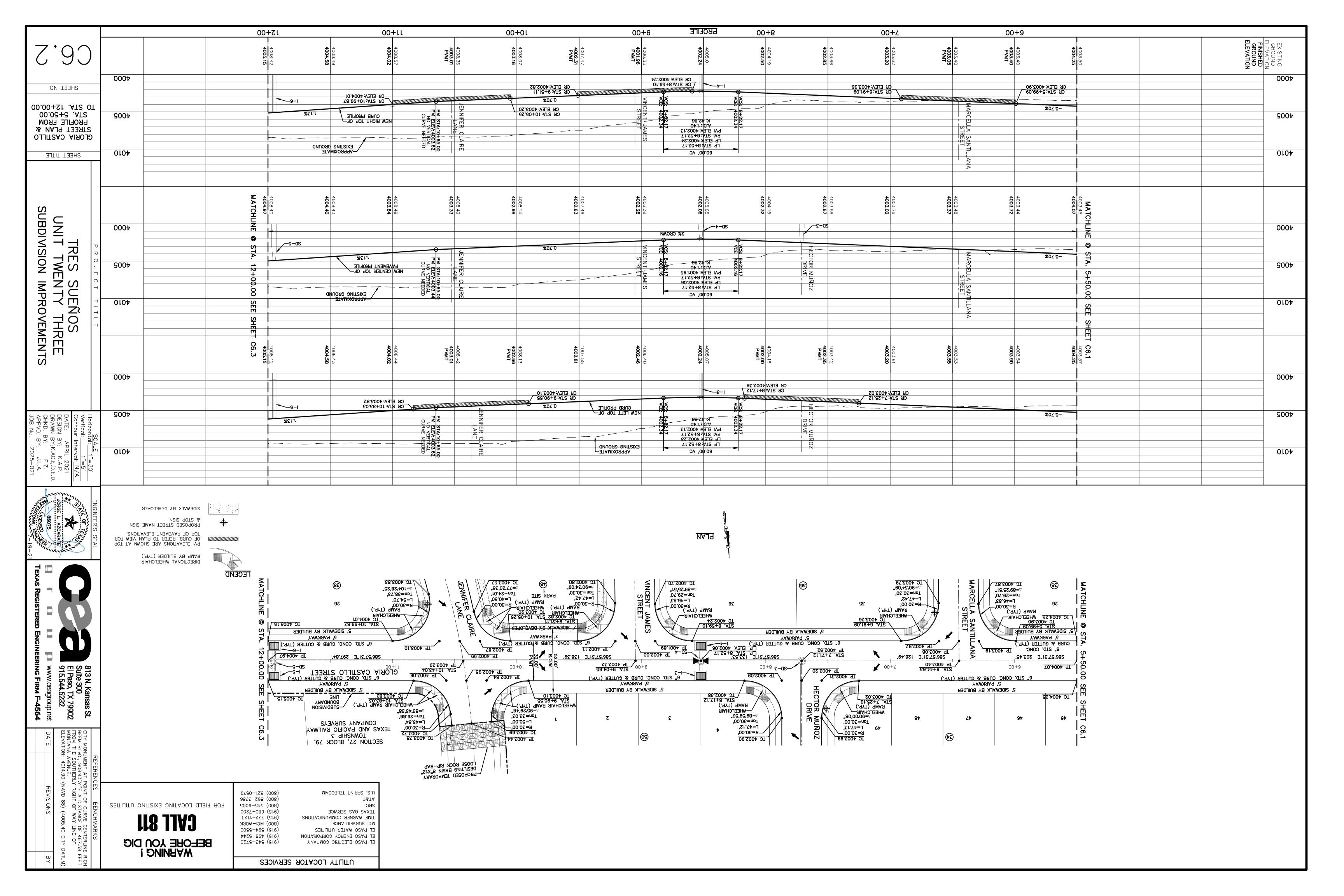
PLAN

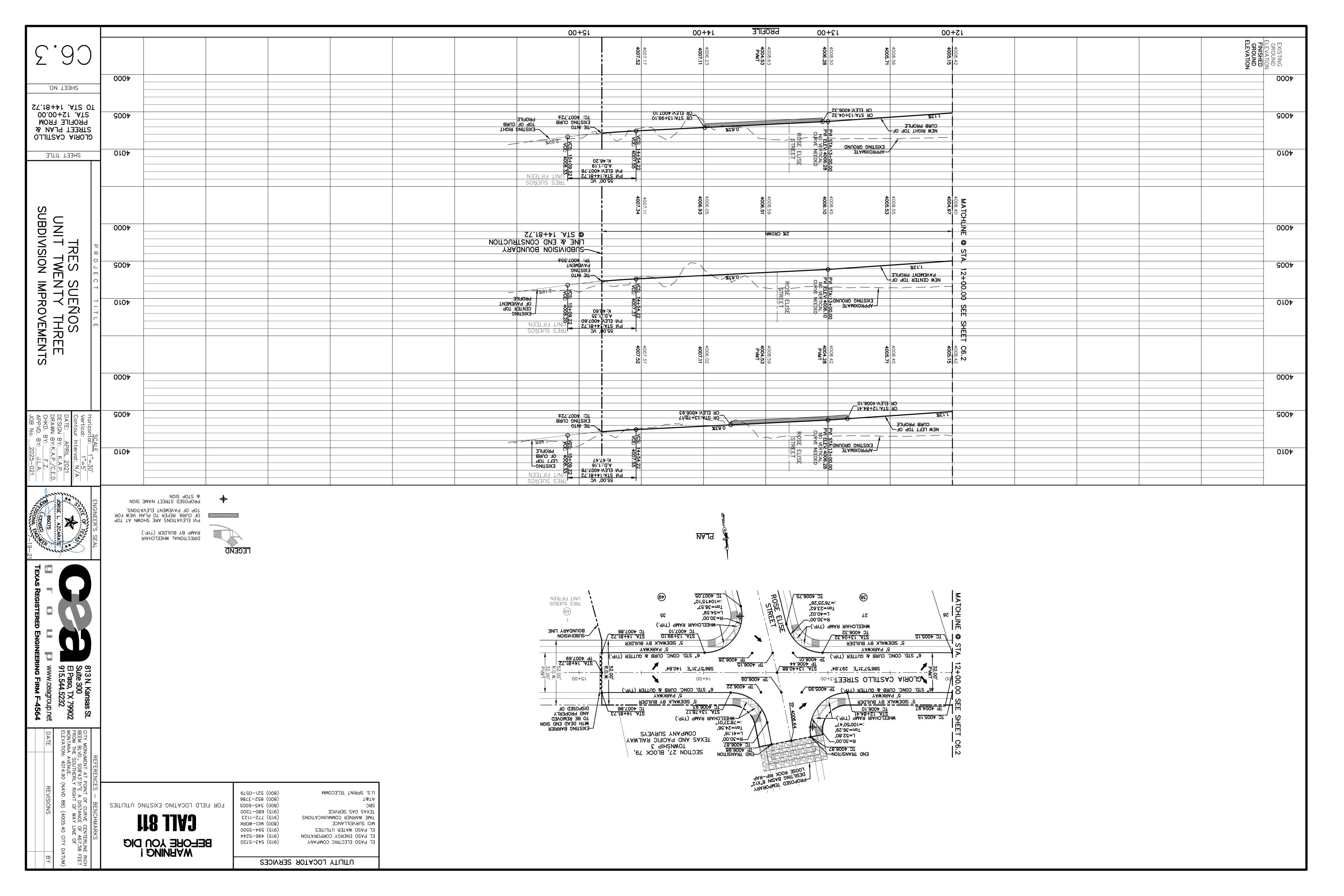
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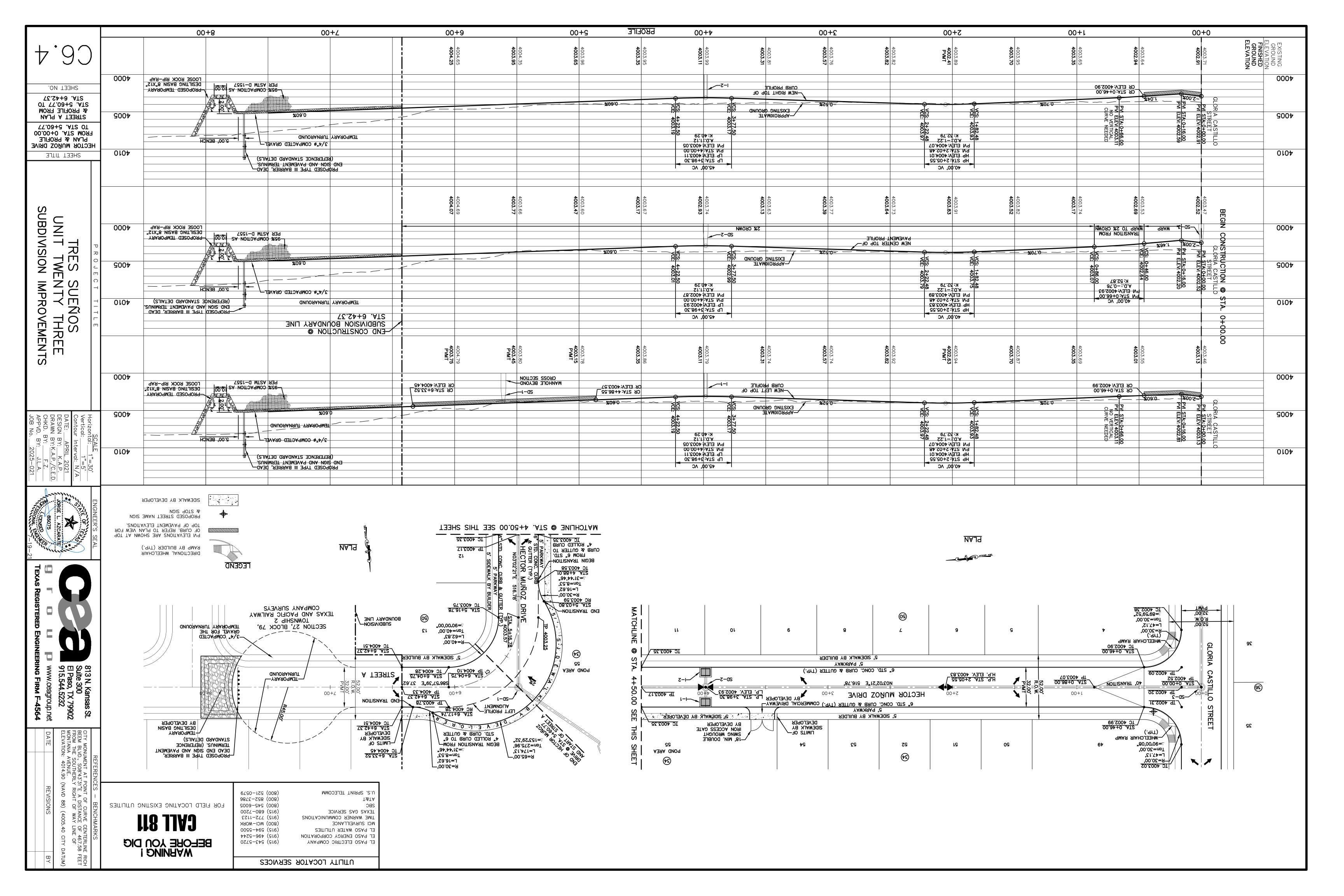


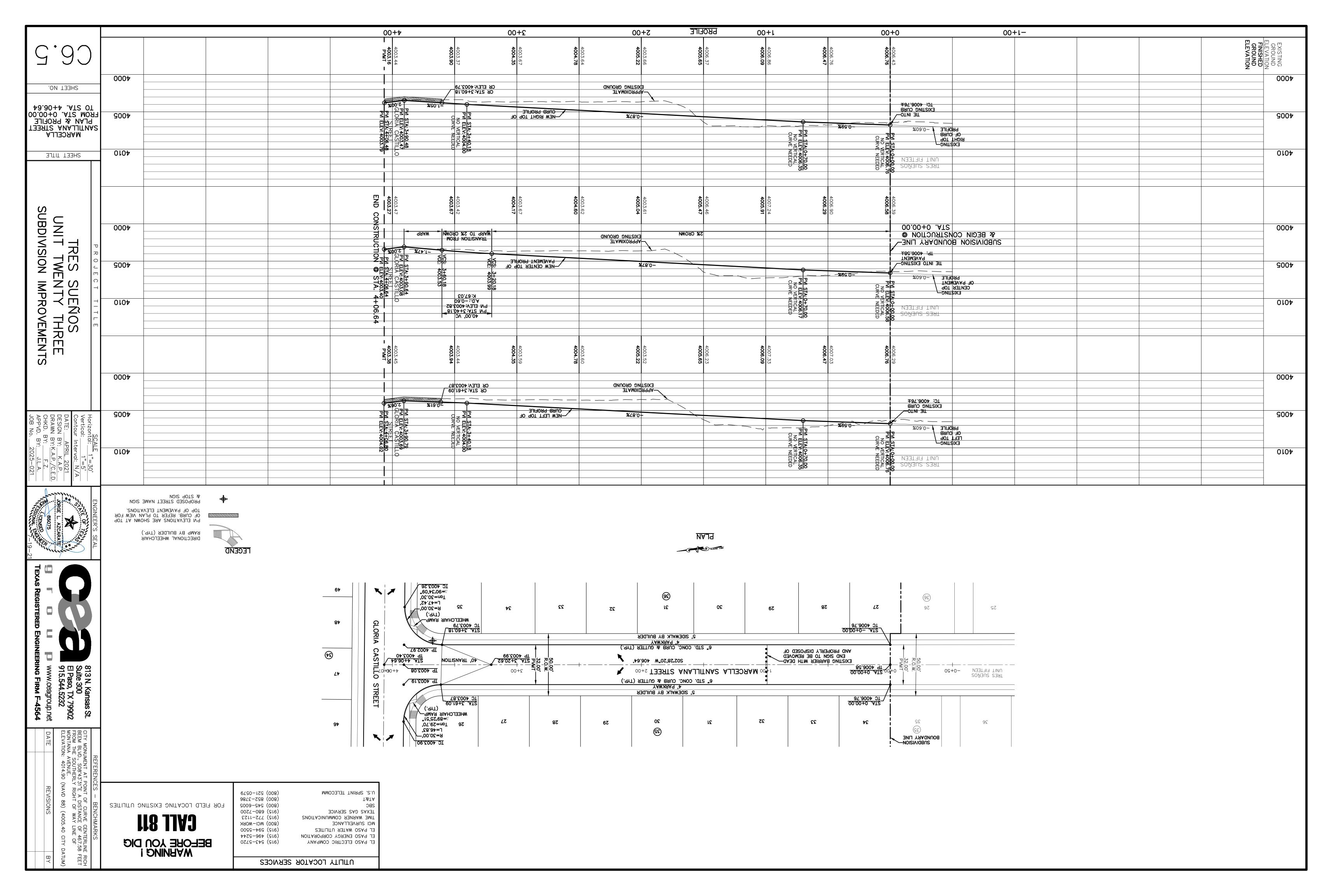


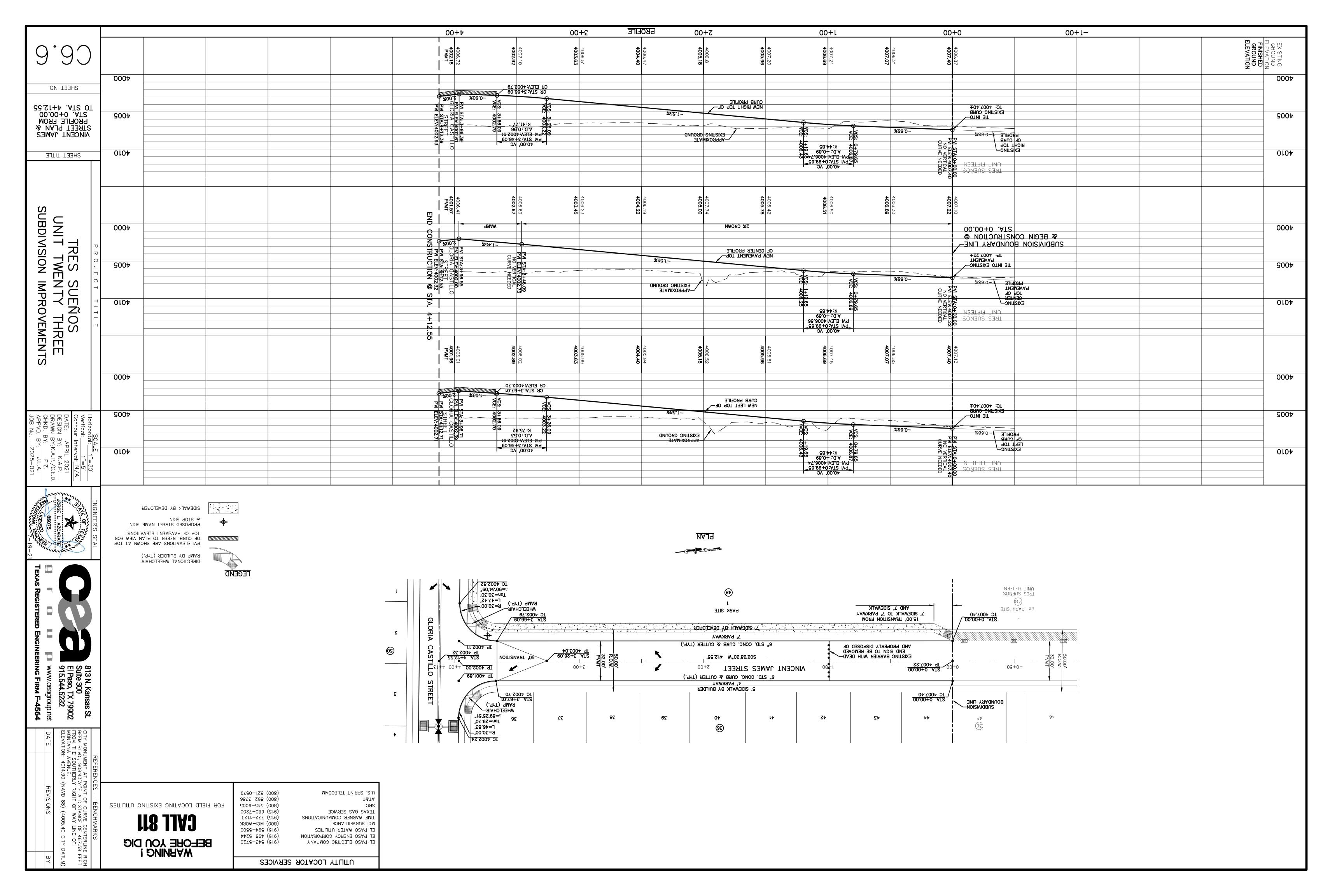


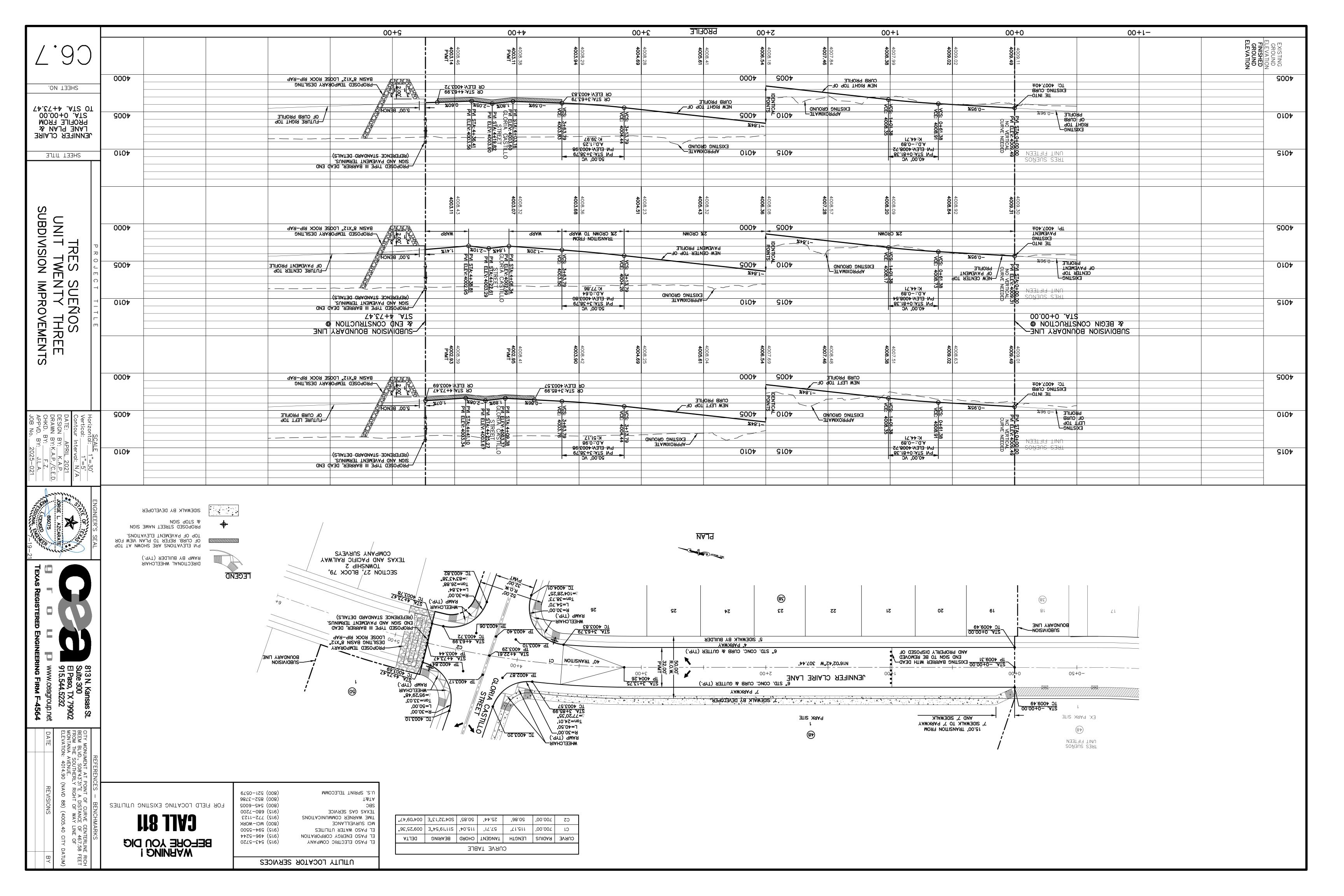


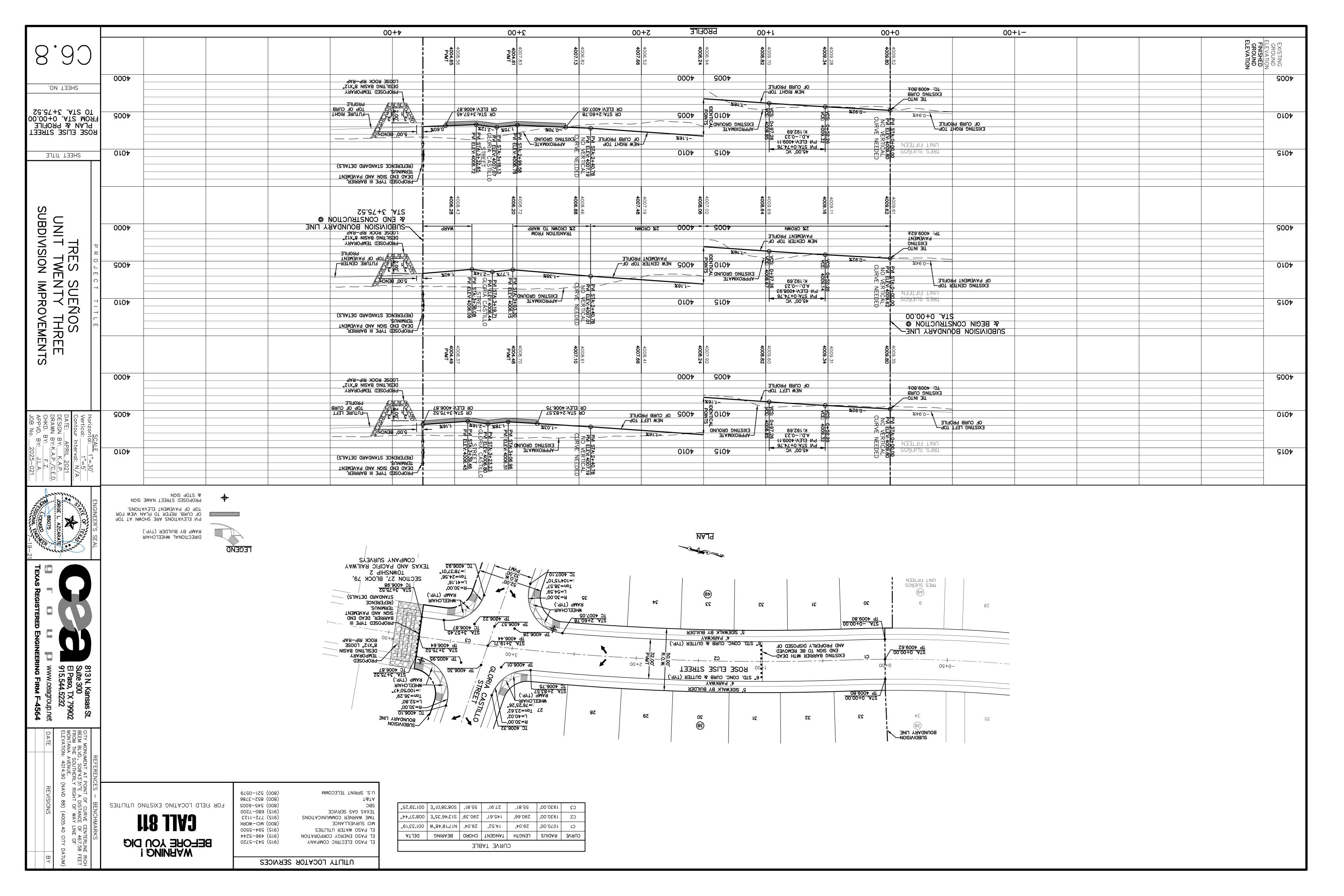


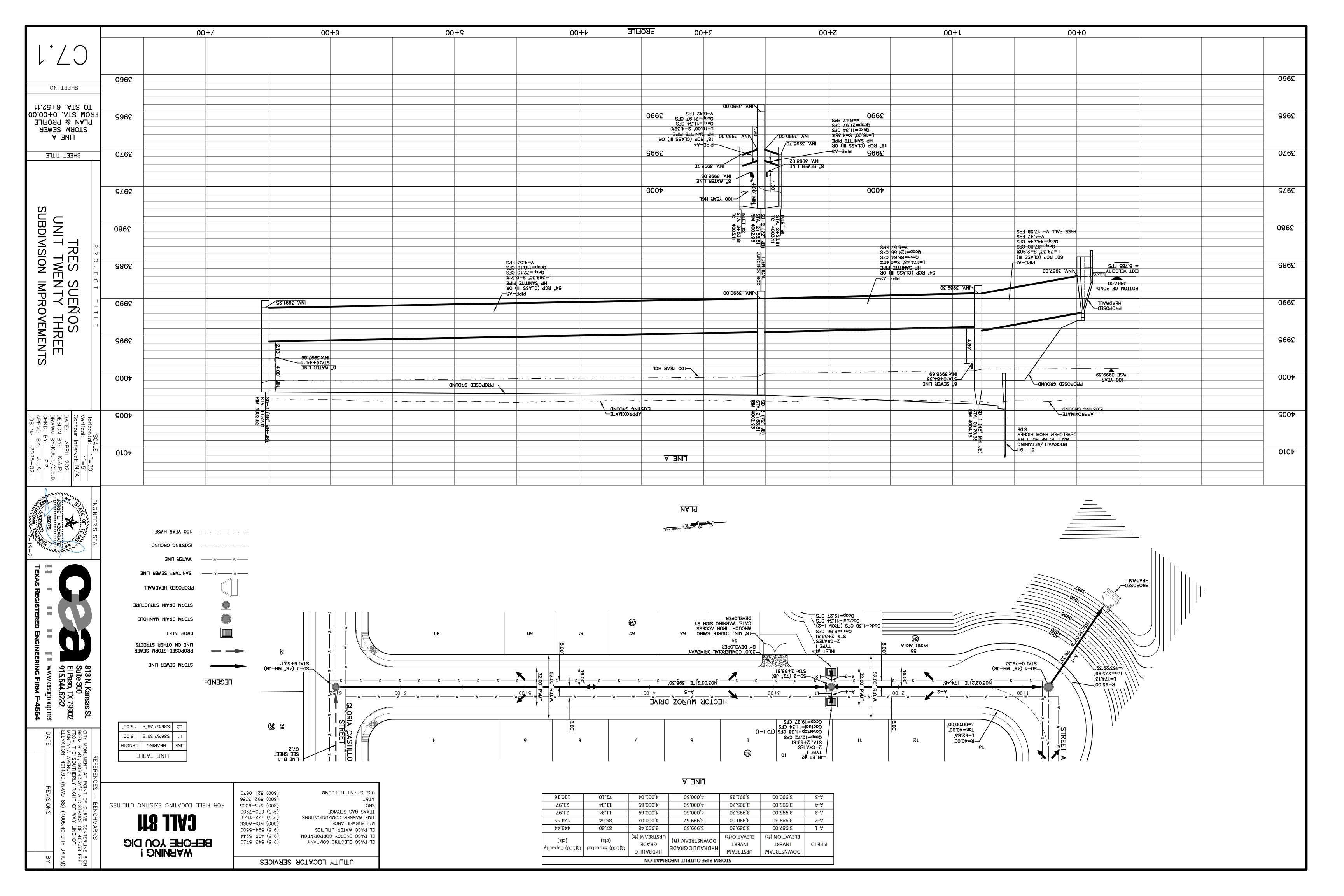


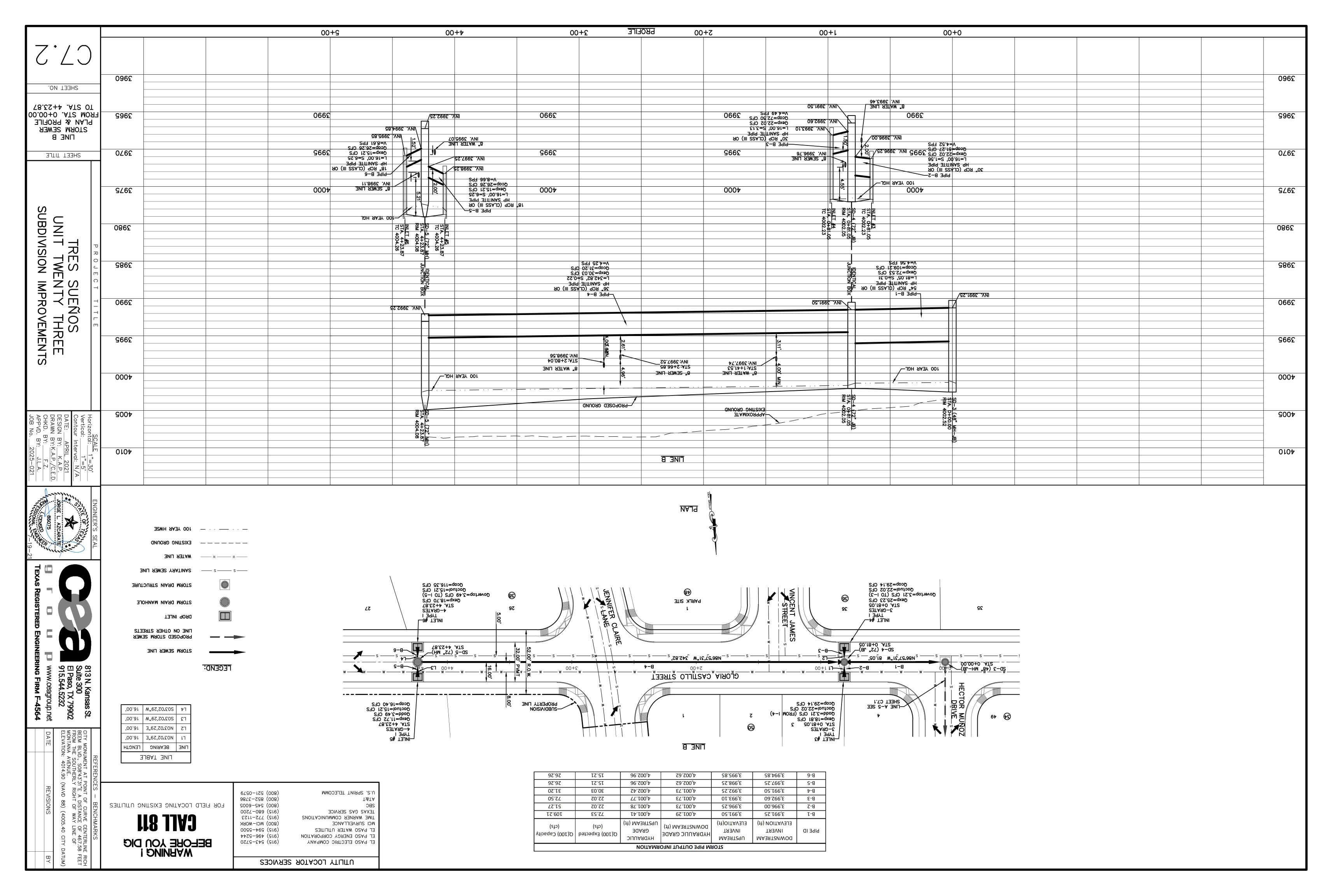


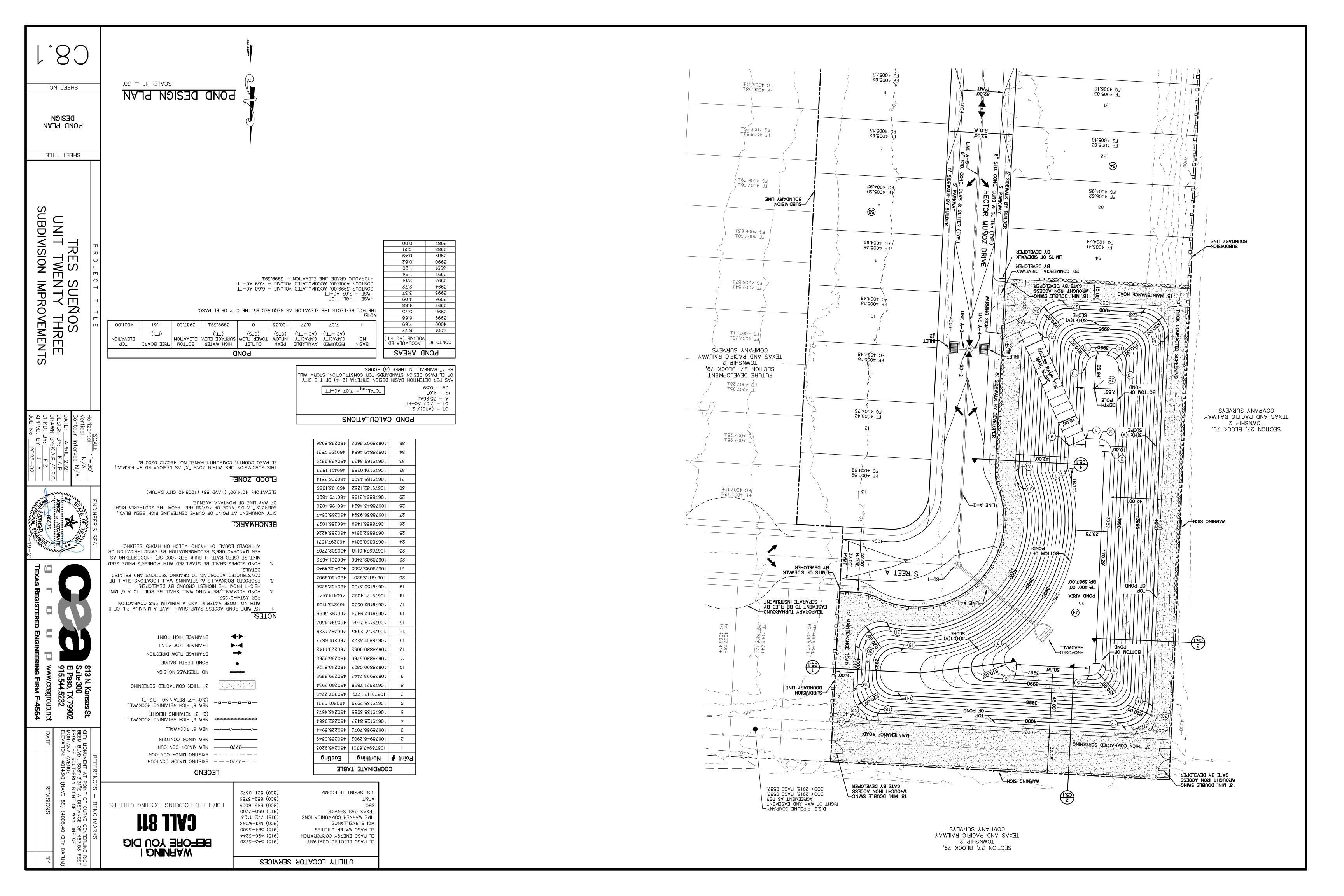


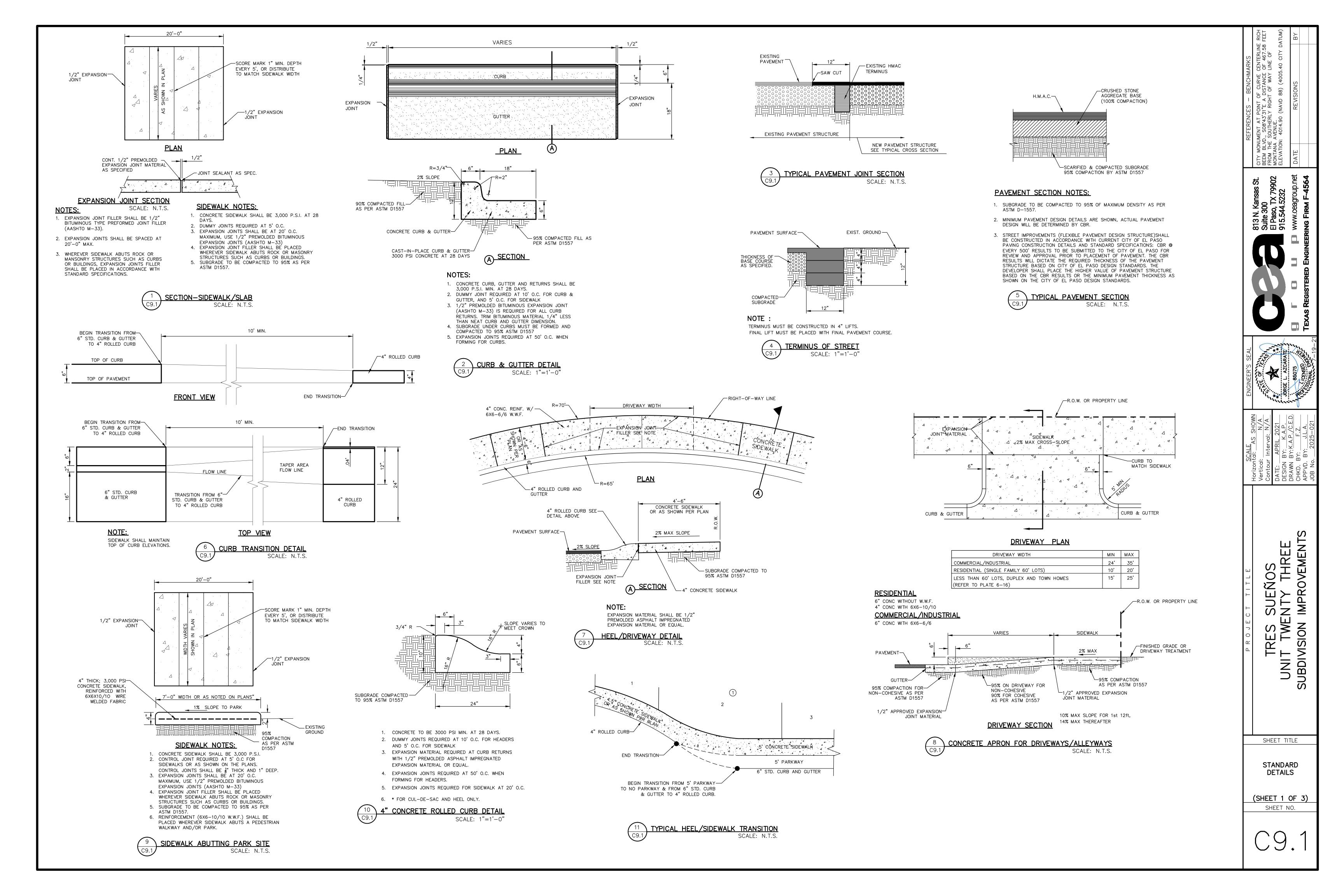


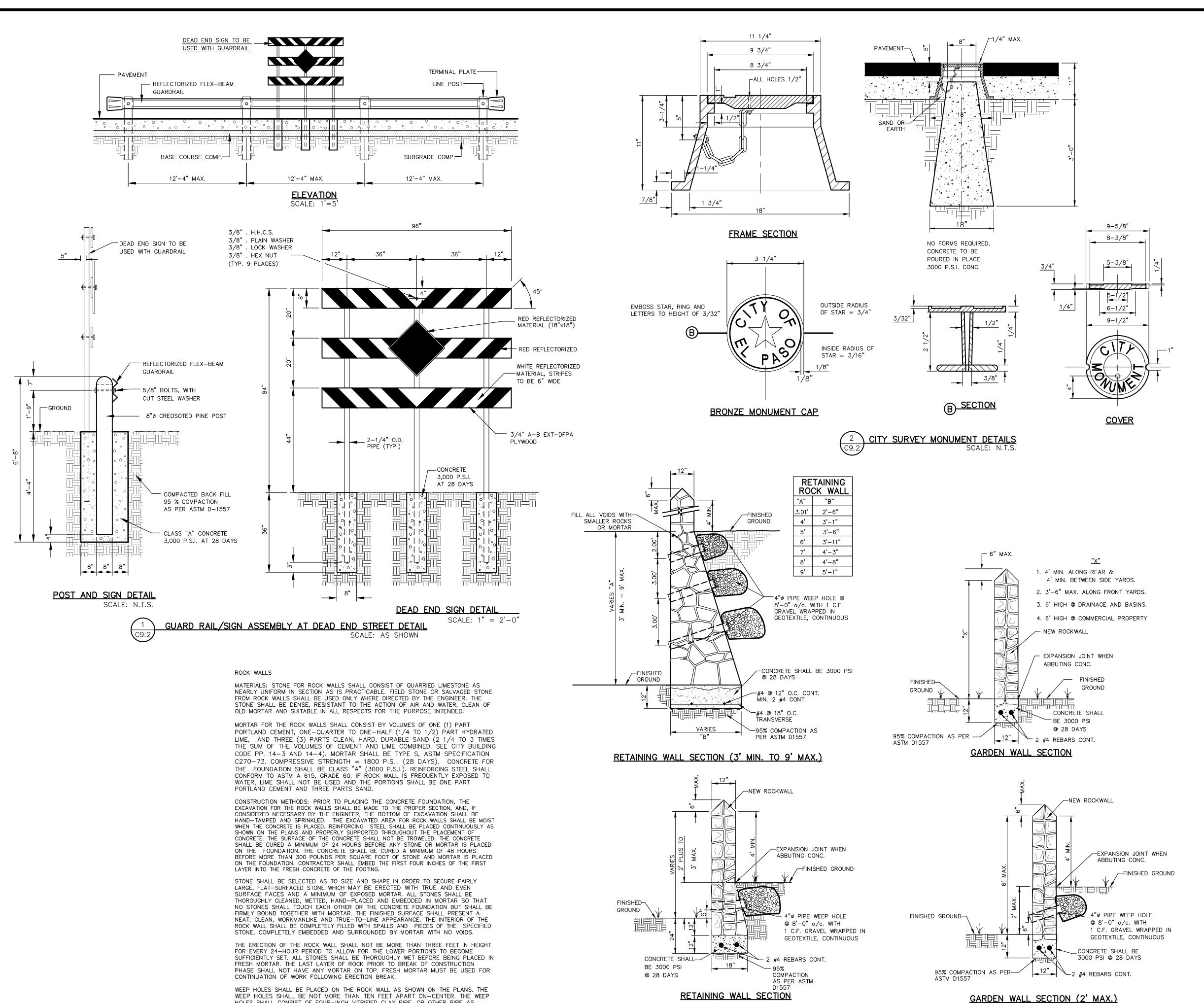












HOLES SHALL CONSIST OF FOUR-INCH VITRIFIED CLAY PIPE, OR OTHER PIPE AS

APPROVED BY THE ENGINEER, NEATLY CUT TO THE EXPOSED SURFACE OF THE ROCK WALL. NO LESS THAN ONE CUBIC FOOT OF ONE-INCH TO 3/4- INCH OF GRADED GRAVEL SHALL BE PLACED AT THE INLET OF EACH WEEP HOLE AS SHOWN ON THE

PROPOSED MONUMENT LOCATIONS

- A. MONUMENTS SHALL BE INSTALLED SO THAT ALL FRONT PROPERTY CORNERS OF ALL LOTS IN THE SUBDIVISION ARE WITHIN LINE OF SIGHT OF A MONUMENT, OR WITHIN SIGHT OF THE LINE BETWEEN TWO ADJACENT MONUMENTS.
- B. EACH MONUMENT SHALL BE WITHIN LINE OF SIGHT OF ANOTHER MONUMENT.
- C. MONUMENTS SHALL BE NO FARTHER THAN 2000 FEET APART.
- D. AT LEAST ONE (1) MONUMENT SHALL BE PLACED ON EACH HORIZONTAL CURVE (PI) OF THE TANGENTS LEADING INTO THE CURVE FALLS OUTSIDE THE CURB
- E. NO FEWER THAN TWO MONUMENTS SHALL BE PLACED IN ONE (1) STREET

ROCK WALL NOTES

- 1. STONE FOR ROCKWALL SHALL BE AS NEARLY UNIFORM IN SECTIONS AS IN PRACTICABLE THE STONE SHALL BE DENSE AND RESISTANT OF AIR AND WATER
- 2. MORTAR MUST BE TYPE "S" 1800 P.S.I. AS PER ASTM C270
- 3. MASONRY WALL OVER SIX (6) FEET IN HEIGHT AND THOSE USED FOR EARTH RETENTION OVER TWO (2) FEET MUST BE DESIGNED AS STRUCTURAL WALLS.
- 4. WALLS ADJACENT TO PONDING AREAS OR DRAINAGE DITCHES MAY BE CONSTRUCTED OF BRICK, ROCK, STONE OR CINDER BLOCK AND SHALL NOT BE LESS THAN SIX (6) FEET HIGH.
- 5. ROCKWALL MORTAR JOINTS MUST NOT EXCEED TWO (2) INCHES
- 6. PROVIDE ONE (1) INCH EXPANSION JOINTS AT EVERY 100 FEET
- 7. ALL STONE SHALL BE THOROUGHLY SOAKED BEFORE BEING PLACED 8. ALL STONE FOR ROCKWALLS SHALL BE FRACTURED QUARRIED ROCK
- OR ROUND ROCK, NO RIVER ROCK SHALL BE ALLOWED.
- 9. REINFORCING STEEL SHALL BE ASTM A615 GRADE 40.
- 10. ALLOWABLE SOIL BEARING PRESSURE = 2,500 PSI (MINIMUM) 11. BACKFILL MATERIALS SHALL CONSIST OF COARSE GRAINED, WELL-DRAINED
- SOILS (WITH NO CLAY CONTENT). 12. ALL THE RETAINIG WALLS OVER 4' IN DEPTH SHALL BE BUILT BY DEVELOPER,
- REMAINING ROCKWALL TO BE BUILT BY BUILDER. NOTE: BUILDER SHALL SUBMIT ROCKWALL AND RETAINING
- ROCKWALL COMPUTATIONS TO THE CITY OF EL PASO OR FOR APPROVAL, IF IN EXCESS OF THOSE SHOWN.

(2' PLUS TO 3' MAX.)

SUBDIVI Z SHEET TITLE

OS THREE VEMENT

E Z

IMPRO

STANDARD **DETAILS**

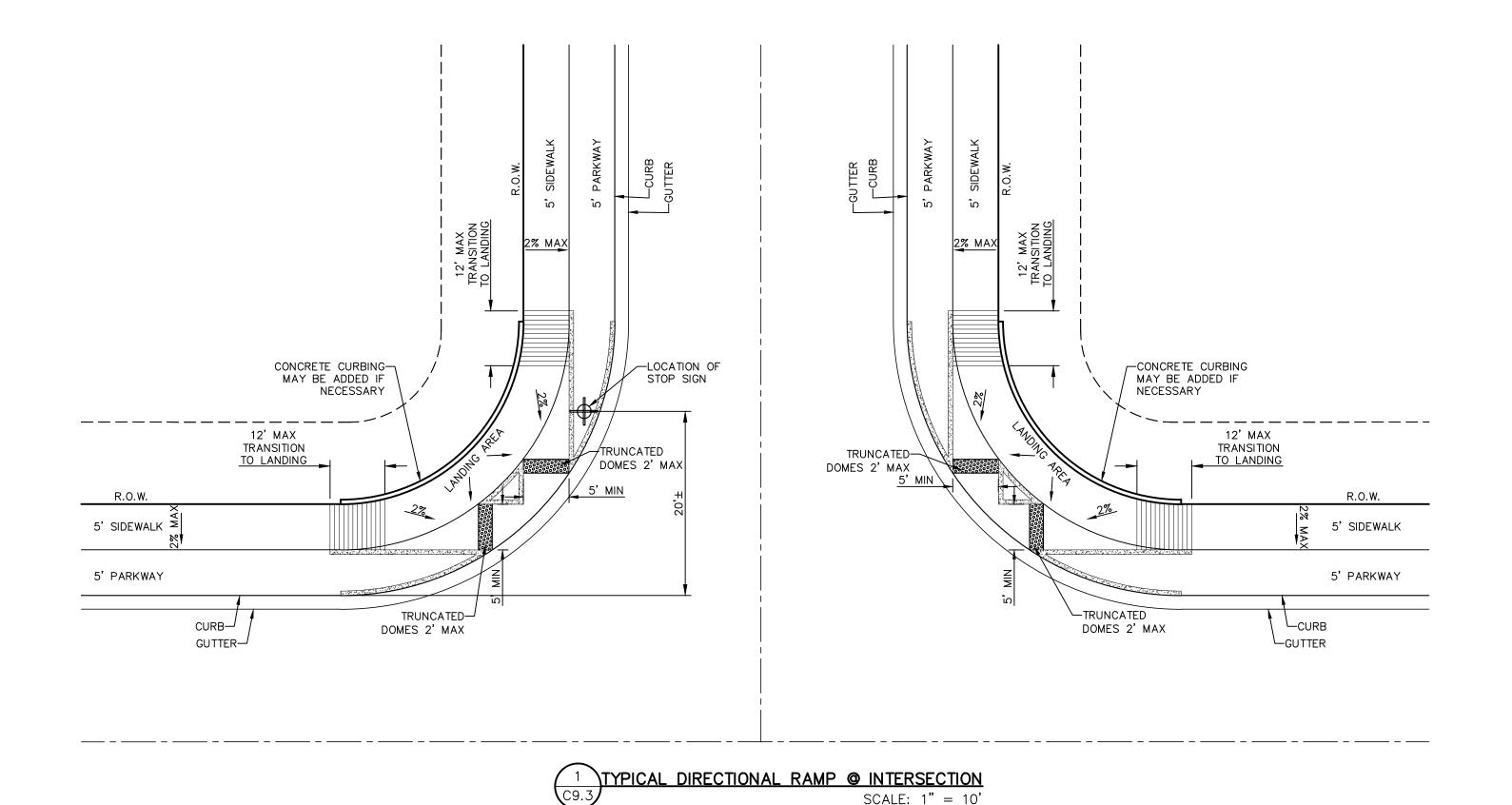
(SHEET 2 OF 3) SHEET NO.

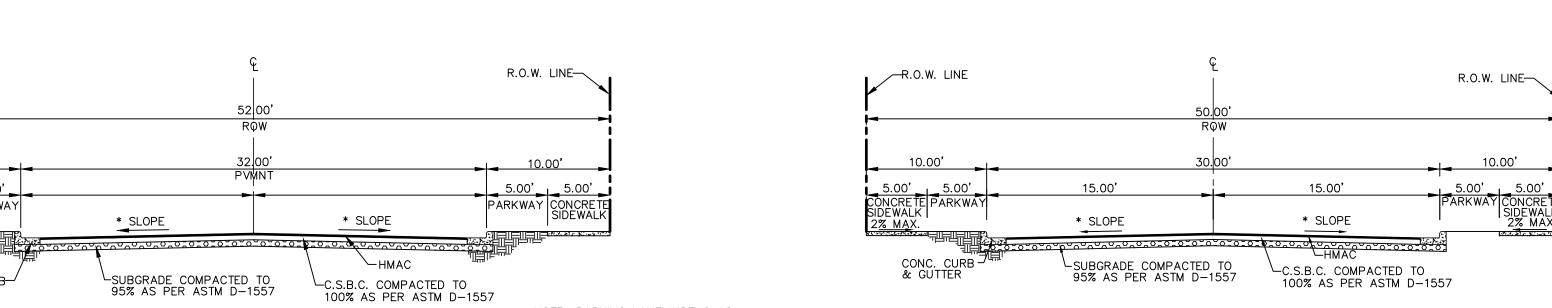
LEGEND

DETECTABLE WARNING SURFACE SHALL CONSIST OF RAISED TRUNCATED DOMES WITH A NOMINAL DIAMETER OF 0.9 IN, A NOMINAL HEIGHT OF 0.2 IN AND A CENTER TO CENTER NOMINAL SPACING OF 2.35 IN, AND SHALL NOT BE STAGGERED. THE SURFACE SHALL BE A MINIMUM OF 70% CONTRAST IN LIGHT REFLECTANCE BETWEEN THE DETECTABLE WARNING AND AN ADJOINING SURFACE, OR THE DETECTABLE WARNING SHALL BE "RED BRICK" COLOR, UNLESS OTHERWISE DIRECTED BY THE CITY OF EL PASO ROAD AND BRIDGE DEPARTMENT. THE MATERIAL USED TO PROVIDE VISUAL CONTRAST SHALL BE AN INTEGRAL PART OF THE DETECTABLE WARNING SURFACE. ADA TILE SHALL BE PROVIDED BY PLACING AND MIXING TINT IN THE PLASTIC CONCRETE USED FOR THE DETECTABLE WARNING SURFACE. NO PAINTING OF SURFACE SHALL BE

NOTES:

- 1. ALL SLOPES ARE MAXIMUM ALLOWABLE. THE LEAST POSSIBLE SLOPE THAT WILL STILL DRAIN PROPERLY SHOULD BE USED. RAMP LENGTH OR GRADE OF APPROACH SIDEWALKS MAY BE ADJUSTED AS DIRECTED BY THE ENGINEER.
- 2. THE MINIMUM SIDEWALK WIDTH IS 5'. WHERE A 5' SIDEWALK CAN NOT BE PROVIDED DUE TO SITE CONSTRAINTS, A MINIMUM 3' SIDEWALK WITH 5'X 5' PASSING AREAS AT INTERVALS NOT TO EXCEED 200 FT IS REQUIRED.
- 3. LANDINGS SHALL BE 5' X 5' MINIMUM WITH A MAXIMUM 2% SLOPE IN ANY DIRECTION.
- 4. MANEUVERING SPACE AT THE BOTTOM OF CURB RAMPS SHALL BE A MINIMUM OF 4'X 4' WHOLLY CONTAINED WITHIN THE CROSSWALK AND WHOLLY OUTSIDE THE PARALLEL VEHICULAR TRAVEL PATH.
- 5. CURB RAMPS WITH RETURNED CURBS MAY BE USED ONLY WHERE PEDESTRIANS WOULD NOT NORMALLY WALK ACROSS THE RAMP. OTHERWISE, FLARED SIDES SHALL BE PROVIDED.
- 6. ALL CONCRETE SIDEWALK SURFACES SHALL RECEIVE A LIGHT BROOM FINISH UNLESS NOTED OTHERWISE IN THE PLANS.
- 7. RAMP TEXTURES MUST CONSIST OF TRUNCATED DOMED SURFACES. TEXTURES ARE REQUIRED TO BE DETECTABLE UNDERFOOT. SURFACES THAT WOULD ALLOW WATER TO ACCUMULATE ARE PROHIBITED. REFER TO TRUNCATED DOME DETAIL.
- 8. CROSSWALK DIMENSIONS, CROSSWALK MARKINGS AND STOP BAR LOCATIONS SHALL BE AS SHOWN ELSEWHERE IN THE PLANS. AT INTERSECTIONS WHERE CROSSWALK MARKINGS ARE NOT REQUIRED, RAMPS SHALL BE ALIGNED WITH THEORETICAL CROSSWALKS, OR AS DIRECTED BY THE ENGINEER.
- 9. MAXIMUM ALLOWABLE CROSS SLOPE ON SIDEWALK AND RAMP SURFACES IS 2%.
- 10. ADDITIONAL INFORMATION ON CURB RAMP LOCATION, DESIGN, LIGHT REFLECTIVE VALUE AND TEXTURE MAY BE FOUND IN THE CURRENT EDITION OF THE TEXAS ACCESSIBILITY STANDARDS (TAS) PREPARED AND ADMINISTERED BY THE TEXAS DEPARTMENT OF LICENSING AND REGULATION (TDLR).





*CBR NOTE: STREET IMPROVEMENTS (FLEXIBLE PAVEMENT DESIGN STRUCTURE) SHALL BE CONSTRUCTED IN ACCORDANCE WITH CURRENT CITY OF EL PASO PAVING CONSTRUCTION DETAILS AND STANDARD SPECIFICATIONS: CBR @ EVERY 500'

RESULTS TO BE SUBMITTED TO THE CITY OF EL PASO FOR REVIEW AND

APPROVAL PRIOR TO PLACEMENT OF PAVEMENT. THE CBR RESULTS WILL DICTATE THE REQUIRED THICKNESS OF THE PAVEMENT STRUCTURE BASED ON CITY OF EL PASO DESIGN STANDARDS. THE DEVELOPER SHALL PLACE THE HIGHER VALUE OF

PAVEMENT STRUCTURE BASED ON THE CBR RESULTS OR THE MINIMUM PAVEMENT THICKNESS AS SHOW ON THE CITY OF EL PASO DESIGN STANDARDS.

TYPICAL 52' ROW STREET SECTION DETAIL (RESIDENTIAL SUBCOLLECTOR) SCALE: N.T.S

R.O.W. LINE CONCRETE PARKWAY

NOTE: PARKING LANE WIDTHS AS PER CITY OF EL PASO DESIGN STANDARDS FOR CONSTRUCTION

NOTE: PARKING LANE WIDTHS AS PER CITY OF EL PASO DESIGN STANDARDS FOR CONSTRUCTION

TYPICAL 50' ROW STREET SECTION DETAIL

NOMINAL 0.2 INCHES (5 mm), AND A CENTER-TO-CENTER SPACING OF NOMINAL 2.35 INCHES (60 mm) MEASURED ALONG ONE SIDE OF A SQUARE ARRANGEMÈNT. DOME ALIGNMENT. DOMES SHALL BE ALIGNED ON A SQUARE GRID IN THE PREDOMINANT DIRECTION OF TRAVEL TO PERMIT WHEELS TO ROLL BETWEEN DOMES. DETECTABLE WARNING SURFACES SHALL EXTEND 24 INCHES (610 mm) MINIMUM IN THE DIRECTION OF TRAVEL AND THE FULL WIDTH OF THE CURB RAMP, LANDING, OR BLENDED TRANSITION.

CONTRAST. THERE SHALL BE A MINIMUM OF 70 PERCENT CONTRAST IN LIGHT REFLECTANCE BETWEEN THE DETECTABLE WARNING AND AN ADJOINING SURFACE, OR THE DETECTABLE WARNING SHALL BE "RED BRICK" COLOR, UNLESS OTHERWISE DIRECTED BY THE OWNER. THE MATERIAL USED TO PROVIDE VISUAL CONTRAST SHALL BE AN INTEGRAL PART OF THE DETECTABLE WARNING SURFACE. ADA CERTIFIED "ARMOR-TILE REQUIRED). CONCRETE POURED TRUNCATED DOMES NOT ALLOWED. NO PAINTING OF SURFACE SHALL BE PERMITTED.

DOME SIZE AND SPACING. TRUNCATED DOMES SHALL HAVE A DIAMETER OF NOMINAL 0.9 INCHES (23 mm) AT THE BOTTOM, A

DIAMETER OF 0.4 INCH (10 mm) AT THE TOP, A HEIGHT OF

0000000000000000000000000 TRUNCATED DOMETILES. ADA CERTIFIED "ARMOR ----TILE" TACTILE SYSTEMS OR APPROVED EQUAL

0 0 0 0

TRUNCATED DOME SIZE AND SPACING

1. RAMPS MAY BE PLACED AS SUGGESTED, HOWEVER EXISTING LIGHT POLES, FIREHYDRANTS, DROP INLETS, ETC., MAY AFFECT PLACEMENT.

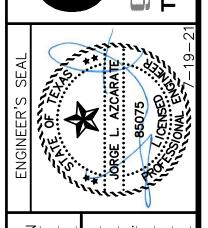
2. THE CONCRETE SURFACE SHALL HAVE A ROUGH, NONSKID TYPE FINISH.

3. CONSTRUCTION METHODS SHALL CONFORM WITH THE CITY OF EL PASO SPECIFICATIONS.

4. ALL PARKING AND PAVEMENT MARKINGS SHALL BE IN ACCORDANCE WITH CURRENT CITY OF EL PASO.

5. CONTRACTOR SHALL CONSTRUCT LANDING AREAS WITH POSITIVE SLOPE IN ALL DIRECTIONS TO ALLOW RUNOFF TO PROPERLY DRAIN.

6. IF TRANSITION AREA IS GREATER THAN 5%, A LANDING SHALL BE PROVIDED BEFORE AND AFTER TRANSITION PER ADA STANDARDS.

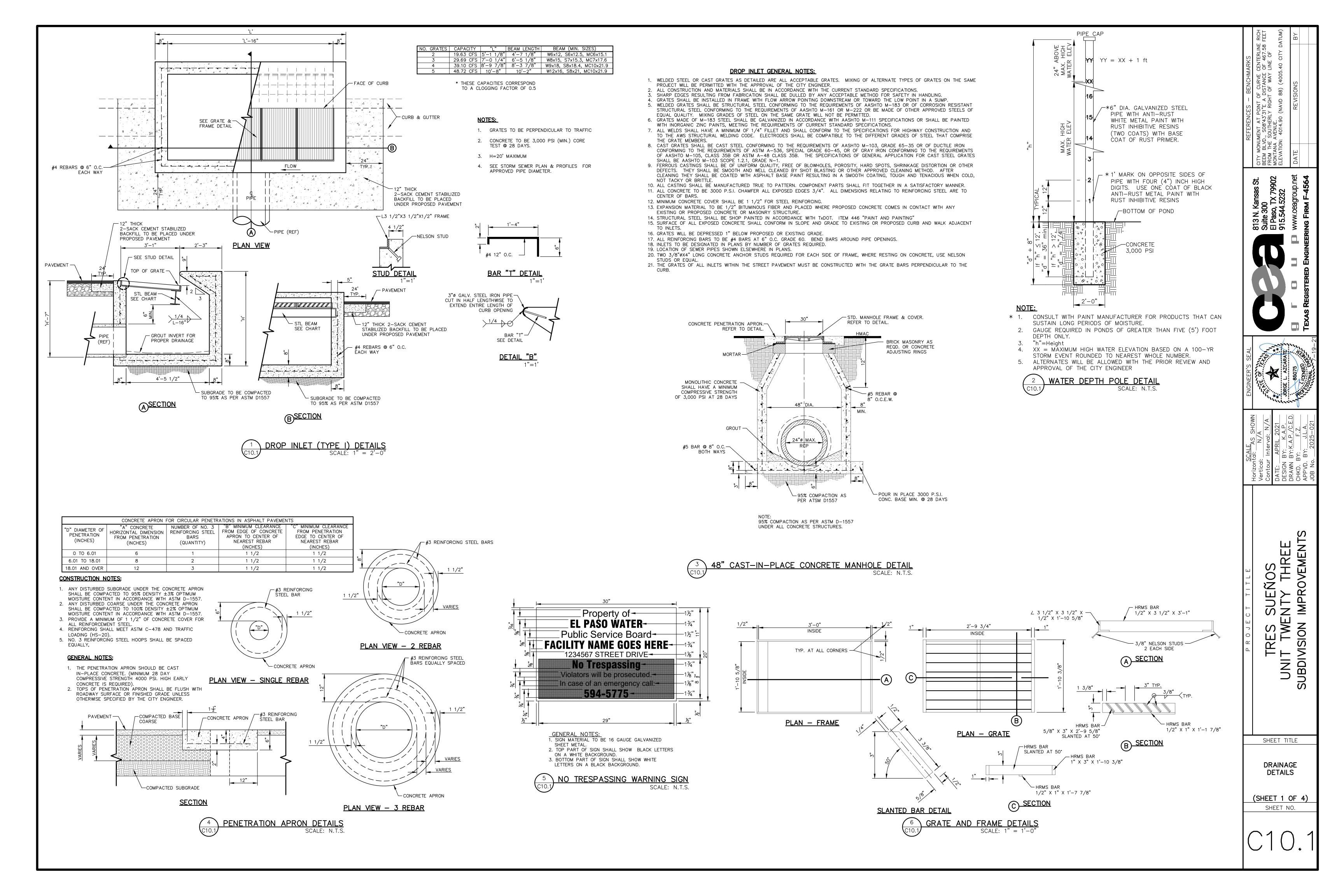


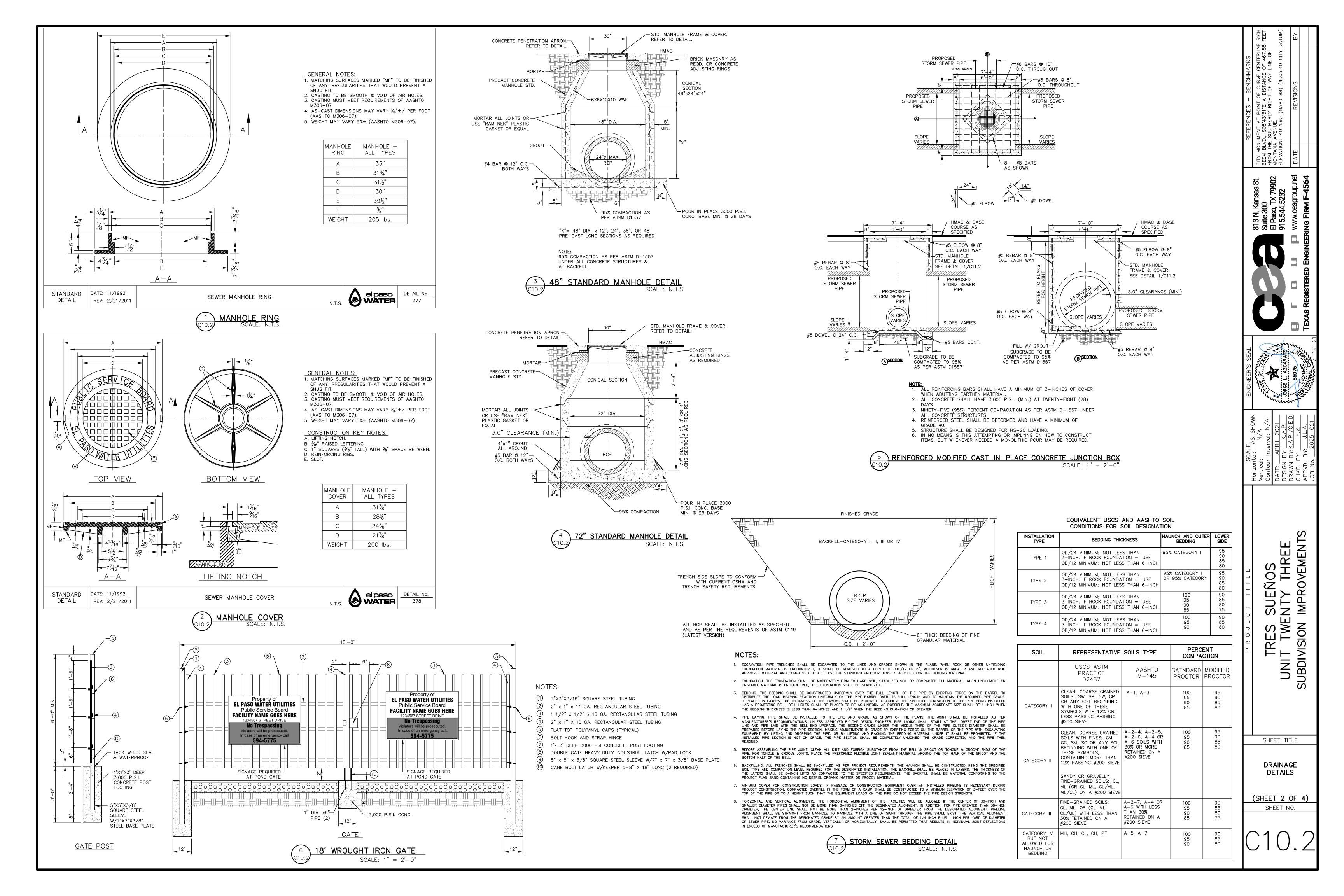
IMPROVEMENT 'HREE SUEÑOS SUBDIVISION TRE

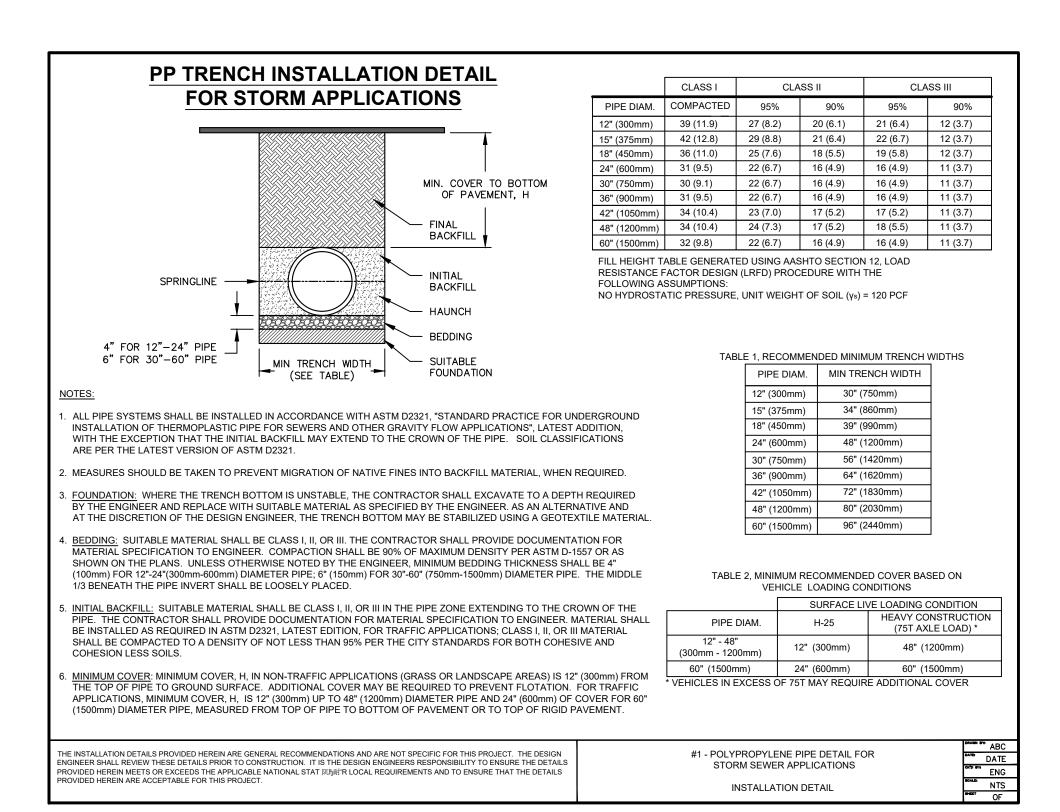
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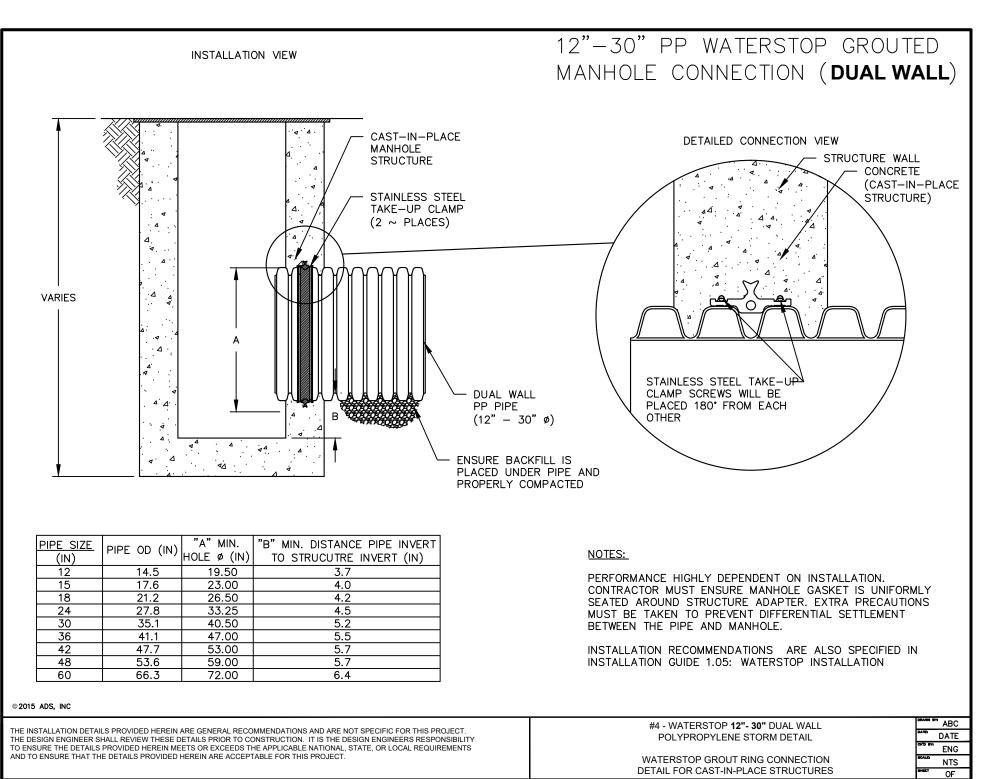
STANDARD DETAILS

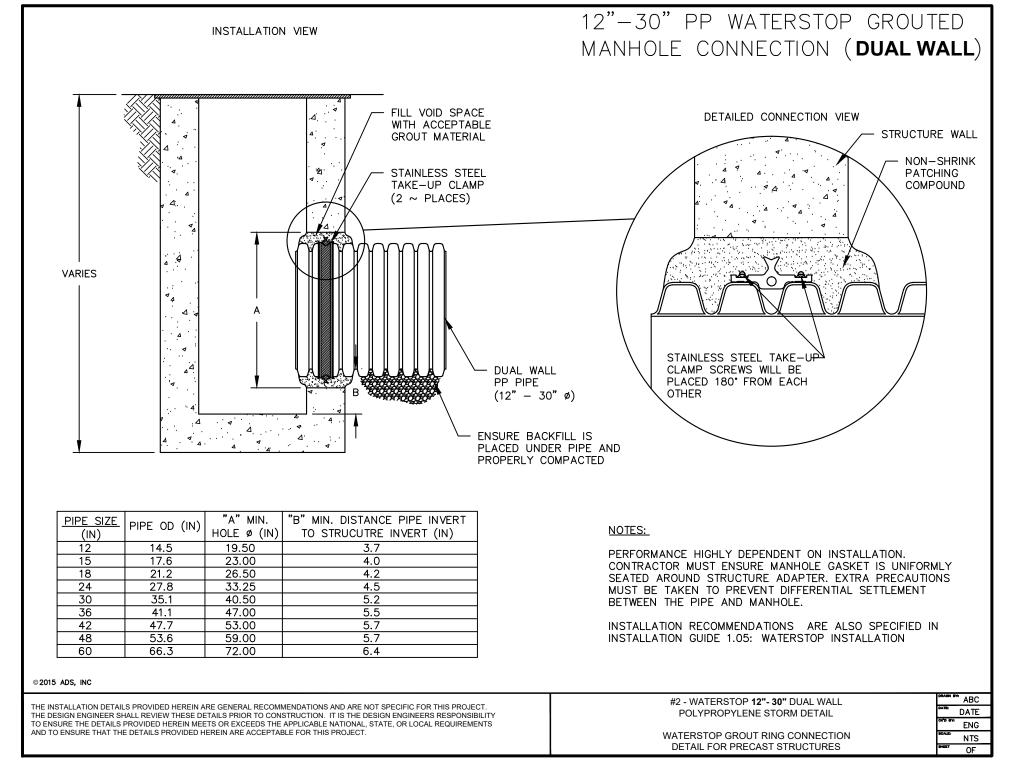
(SHEET 3 OF 3) SHEET NO.

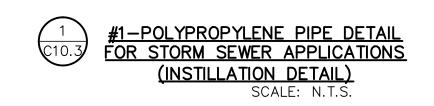


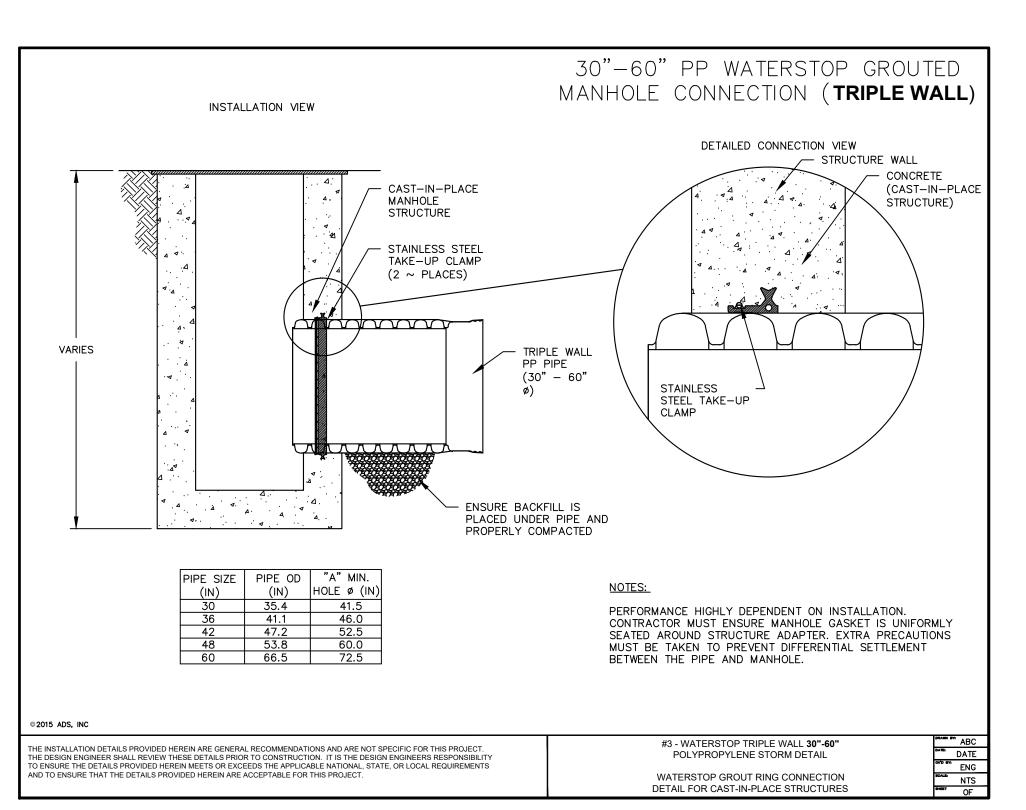








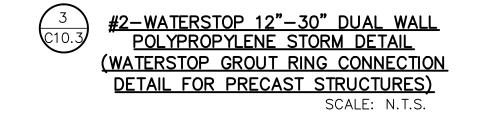


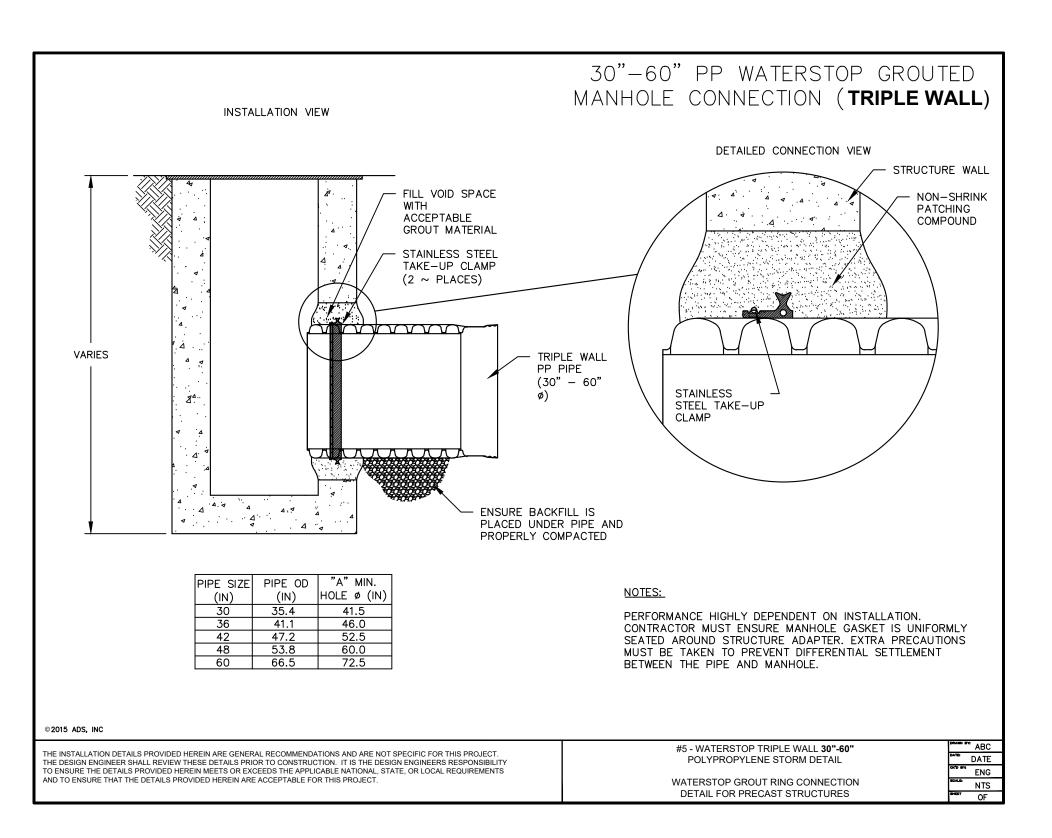


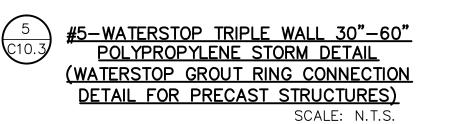
POLYPROPYLENE STORM DETAIL (WATERSTOP GROUT RING CONNECTION DETAIL FOR CAST-IN-PLACE STRUCTURES)

SCALE: N.T.S.

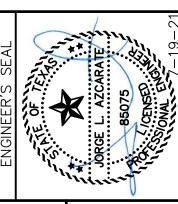
#4-WATERSTOP 12"-30" DUEL WALL POLYPROPYLENE STORM DETAIL (WATERSTOP GROUT RING CONNECTION DETAIL FOR CAST-IN-PLACE STRUCTURES







NOM NTA



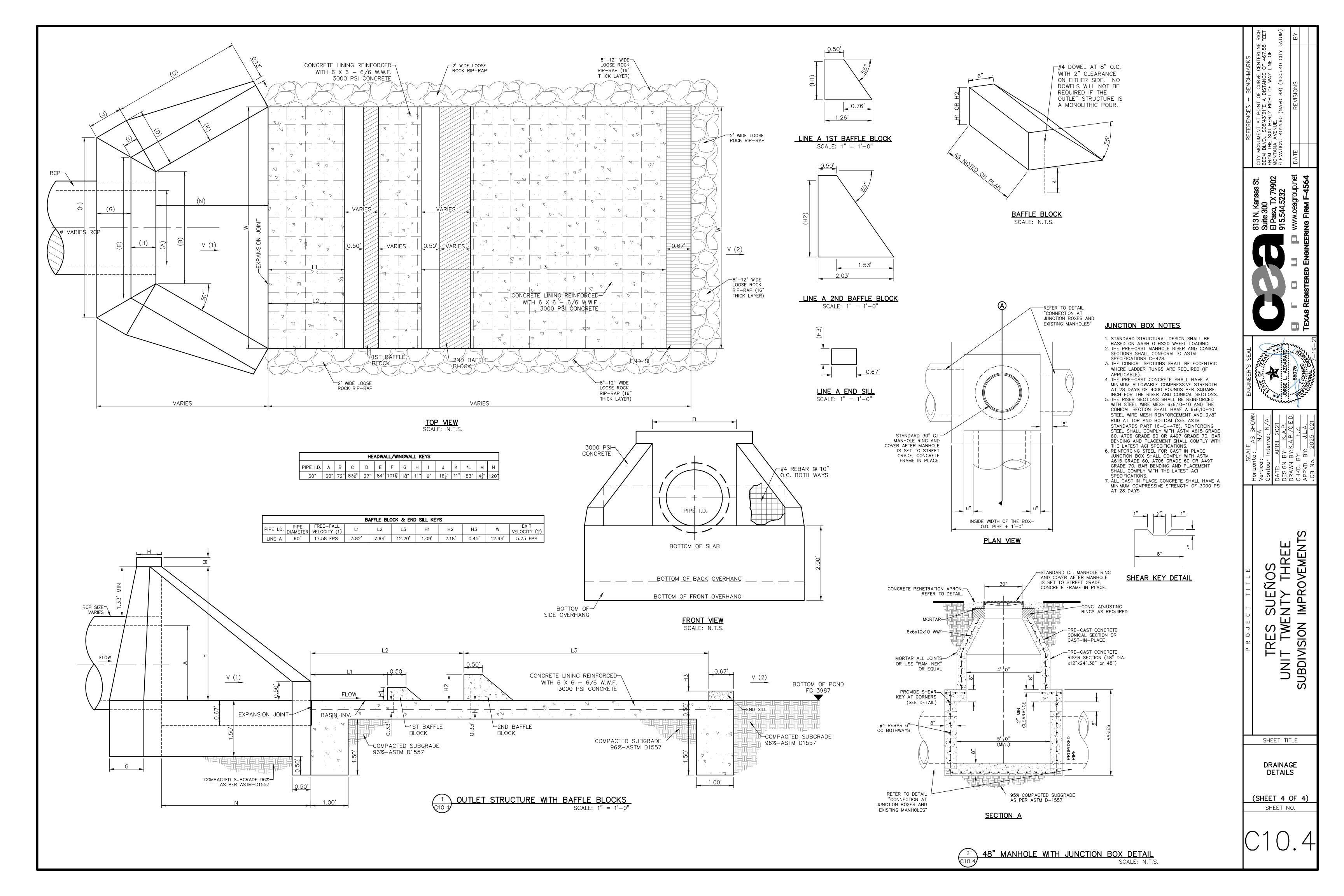
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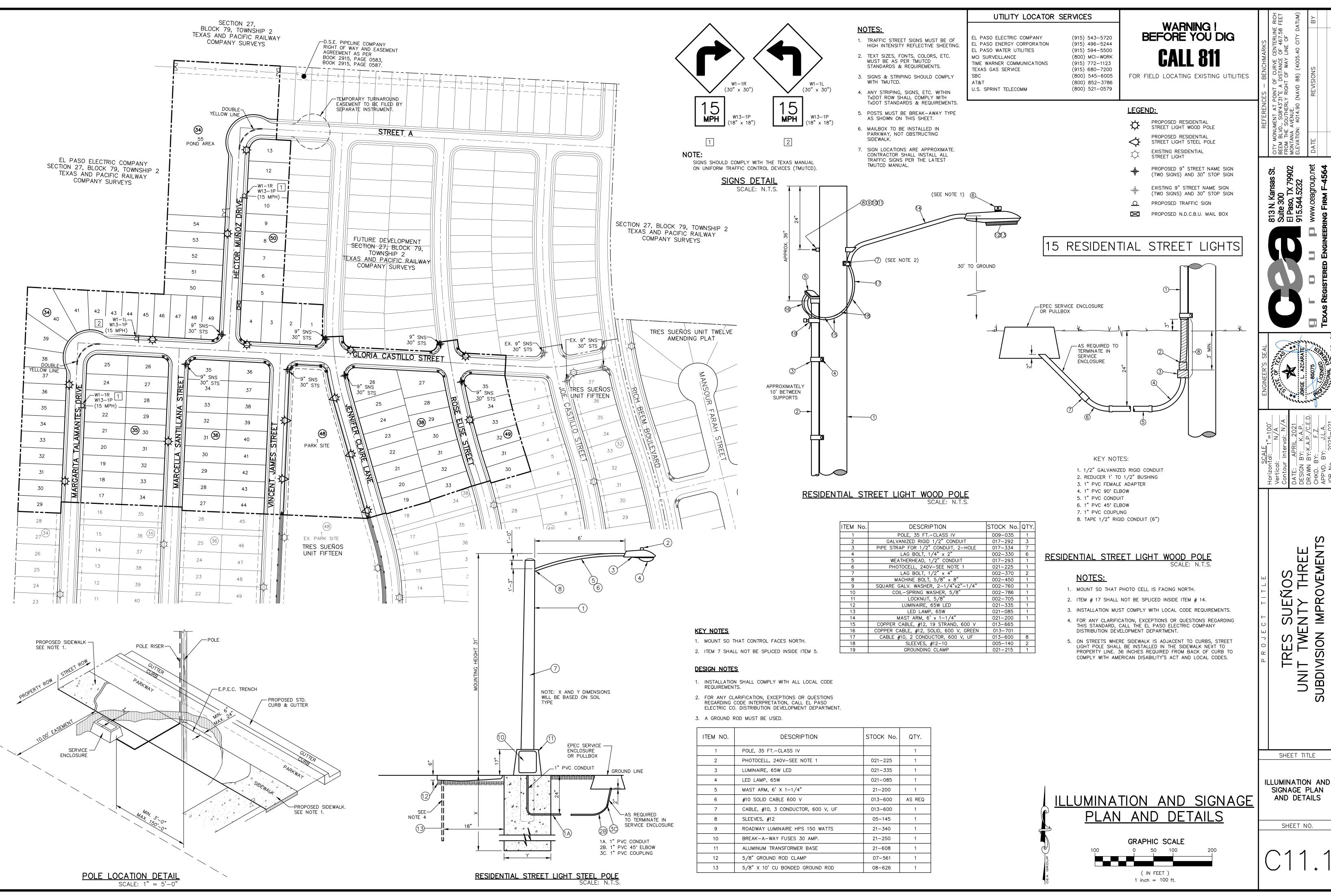
SUEÑOS ENTY THREE IMPROVEMENTS SUBDIVISION TRE

SHEET TITLE

DRAINAGE **DETAILS**

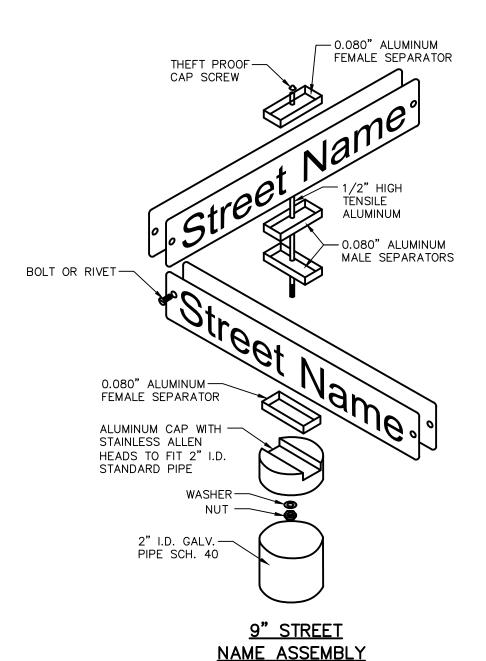
(SHEET 3 OF 4) SHEET NO.

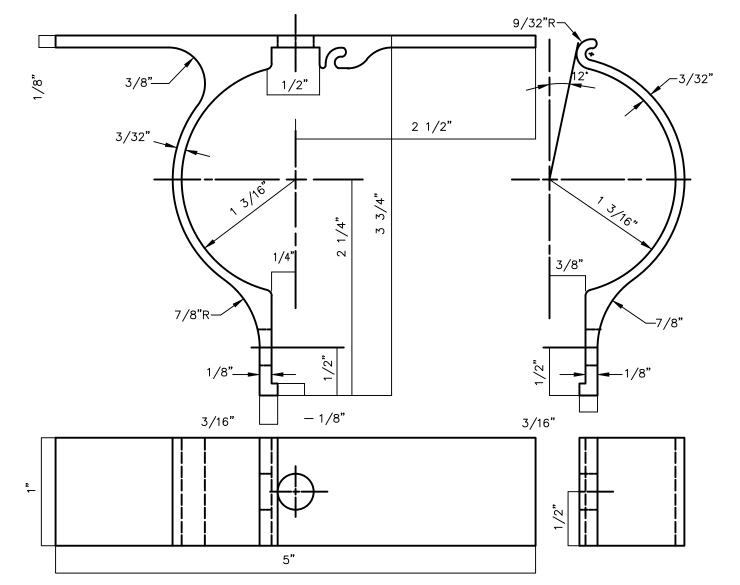




CITY OF EL PASO SPECIFICATIONS FOR REFLECTORIZED STREET NAME SIGNS

- 1. <u>COLOR OF SIGNS</u>: THE FINISHED SIGN MUST HAVE A REFLECTORIZED GREEN BACKGROUND. THE GREEN MUST CONFORM WITH THE BUREAU OF PUBLIC ROADS HIGHWAY GREEN. THE LEGEND MUST BE REFLECTORIZED SILVER WHITE (GREEN REVERSE SCREENED BACKGROUND WITH SILVER COPY).
- 2. <u>LETTER DESIGN</u>: THE LETTERING OF ALL LEGENDS MUST BE UPPER CASE LETTERS IN ACCORDANCE WITH "STANDARD ALPHABETS FOR HIGHWAY SIGNS" PUBLISHED BY THE FEDERAL HIGHWAY ADMINISTRATION.
- 3. <u>LETTER SPACING</u>: THE CONTROL FOR THE SPACING VALUES IN TRAFFIC LAYOUT IS THE DISTANCE RECOGNIZED AS AESTHETIC SPACING BETWEEN TWO STRAIGHT LETTERS (HN). A SPACING CONTROL OF TWO TIMES THE WIDTH OF THE STROKE OF THE LETTER SERIES TO BE USED MUST BE THE AESTHETIC CONTROL (100%). TWO AND ONE—HALF TIMES (2—1/2) THIS CONTROL MUST BE USED AS THE AESTHETIC WORD SPACE BETWEEN ELEMENTS IN THE PRIMARY LEGEND.
- 4. <u>LAYOUT:</u> THE MAXIMUM NUMBER OF LETTERS TO BE ACCOMMODATED ON A GIVEN LENGTH STREET NAME FACE MUST BE DETERMINED BY THE WIDEST LETTER SERIES POSSIBLE FOR THAT LEGEND AND THE SPACING CONTROL (100%) FOR THE SERIES USED MUST BE EXPANDED OR CONDENSED UP TO 25% IN 5% INCREMENTS.
- 5. THE SPACING CONTROL (100%) FOR THE SERIES USED MUST BE EXPANDED OR CONDENSED UP TO 25% IN 5% INCREMENTS FOR THE END MARGIN WITH MINIMUM OF 1".
- 6. THE WORD SPACE MUST BE EXPANDED UP TO 25% IN 5% INCREMENTS BUT NOT CONDENSED.
- 7. SPACE BETWEN PRIMARY AND BLOCK NUMBER AREA MUST BE 1/2 THE AESTHETIC WORK SPACE USED IN THE PRIMARY LEGEND.
- 8. SUFFIX LETTER SIZE FOR ALL LENGTHS MUST BE 2" CAPITALS, "C" SERIES, EXCEPT THAT SERIES "A" OR "B" WHERE SUFFIX ABBREVIATION EXCEEDS TWO LETTERS, MAY BE USED.
- 9. <u>SIZE OF LEGEND:</u> FOR 9" STREET NAME SIGNS, THE PRIMARY LEGEND, OR STREET NAME MUST HAVE CAPITAL LETTERS SIX INCHES (6") HIGH AND ALL SECONDARY LEGENDS, INCLUDING THE SUFFIX, BLOCK NUMBERS, MUST HAVE UPPER CASE LETTERS TWO AND ONE—HALF INCHES (2 1/2") HIGH.
- 10. SUFFIX LETTER SIZE FOR ALL LENGTHS MUST BE 2 1/2" CAPITALS, "C" SERIES, EXCEPT THAT SERIES "A" OR "B" WHERE SUFFIX ABBREVIATION EXCEEDS TWO LETTERS, MAY BE USED.
- 11. POSITION OF LEGEND: EACH SIGN FACE WILL CONSIST OF THE STREET NAME, SUFFIX, AND TWO ZEROS OF THE BLOCK NUMBER. THE ADDITIONAL NUMBERS OF THE BLOCK NUMBER WILL BE APPLIED BY THE CITY OF EL PASO. THE SUFFIX WILL BE LOCATED IN THE UPPER RIGHT CORNER AND THE BLOCK NUMBER IN THE LOWER RIGHT CORNER OF THE SIGN FACE AND THE STREET NAME CENTERED IN THE REMAINING SPACE.
- 12. SIGN FABRICATION: THE SIGN FACE MUST BE FABRICATED BY REVERSE SCREENING GREEN TRANSPARENT COLOR OVER SILVER REFLECTIVE SHEETING. TRANSPARENT PROCESS COLORS MUST BE AS RECOMMENDED BY THE SHEETING MANUFACTURER. CUT—OUT OR APPLIED LEGENDS ARE NOT PERMITTED. SIGN FACES MUST BE COMPRISED OF ONE PIECE OR PANEL OF REFLECTIVE SHEETING.
- 13. TYPE OF SHEETING: ENGINEER GRADE REFLECTIVE SHEETING MUST BE USED IN THE FABRICATION OF THE STREET NAME SIGN FACES.

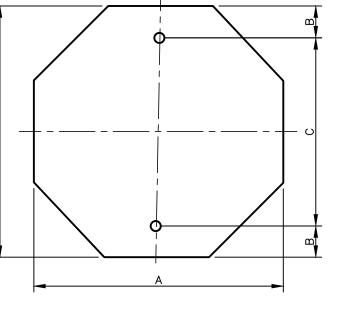




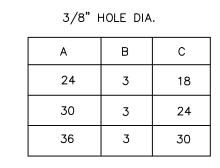
ALUMINUM SIGN CLAMP BRACKET FOR TRAFFIC CONTROL SIGNS

NOTES:

- 1. ALL HOLES 3/8" PUNCH
- 2. FILLETS & ROUNDS 1/16"=R
- 3. FURNISH THE FOLOWING HARDWARE FOR EACH BRACKET:
- 1 5/16"x 3/4" BOLTS
- 1 5/16"x 1 1/4" BOLT
- 2 5/16"x NUTS & LOCK WASHERS 2 - FLAT WASHERS
- 4. THE BRACKET IS TO BE MADE FROM HIGH STRENGTH ALUMINUM ALLOY. THE BRACKET IS TO EMPLOY AN EXTRUDED INTERLOCKING FEATURE OFFERING A RIGID MEANS OF ATTACHING A FLAT SIGN TO A STANDARD 2" (2/8" O.D.) TUBULAR POST.



<u>OCTAGON</u>



UTILITY LOCATOR SERVICES

(915) 543-5720

(915) 496-5244

(915) 594-5500

(800) MCI-WORK

(915) 772-1123

(915) 680-7200

(800) 545-6005

(800) 852-3786 (800) 521-0579

STREET

EL PASO ELECTRIC COMPANY

EL PASO WATER UTILITIES

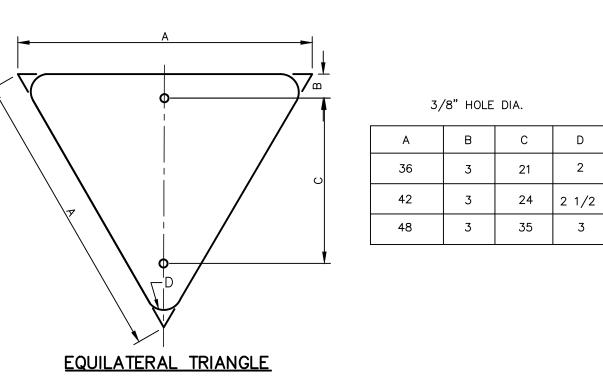
MCI SURVEILLANCE

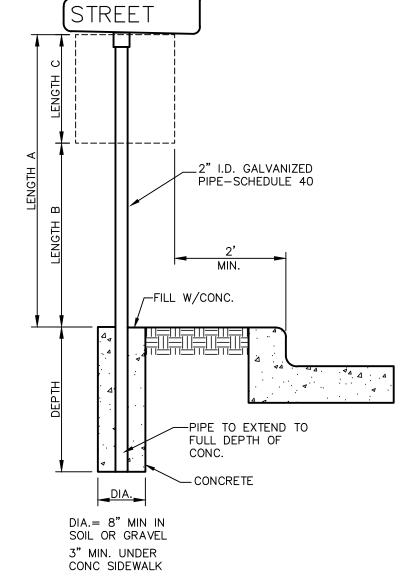
TEXAS GAS SERVICE

U.S. SPRINT TELECOMM

EL PASO ENERGY CORPORATION

TIME WARNER COMMUNICATIONS





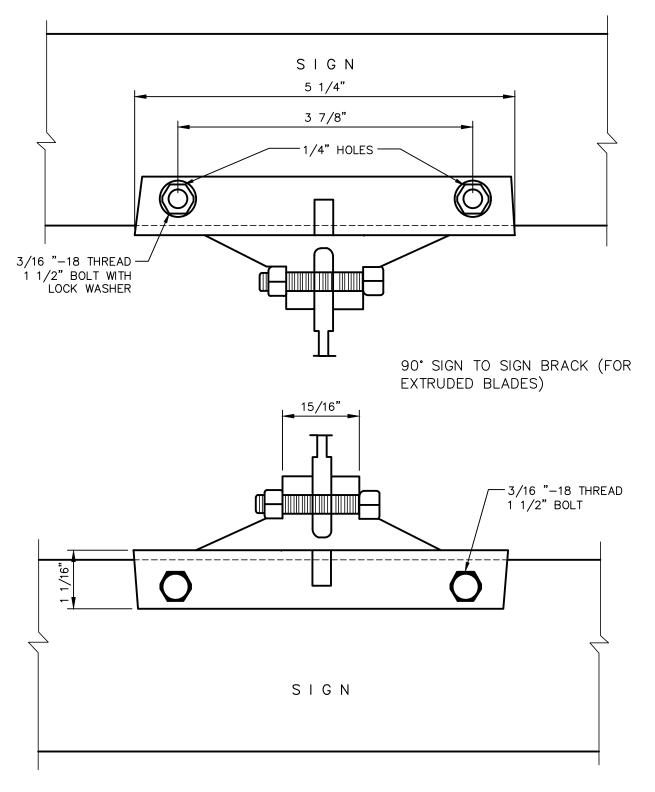
BEFORE YOU DIG

FOR FIELD LOCATING EXISTING UTILITIES

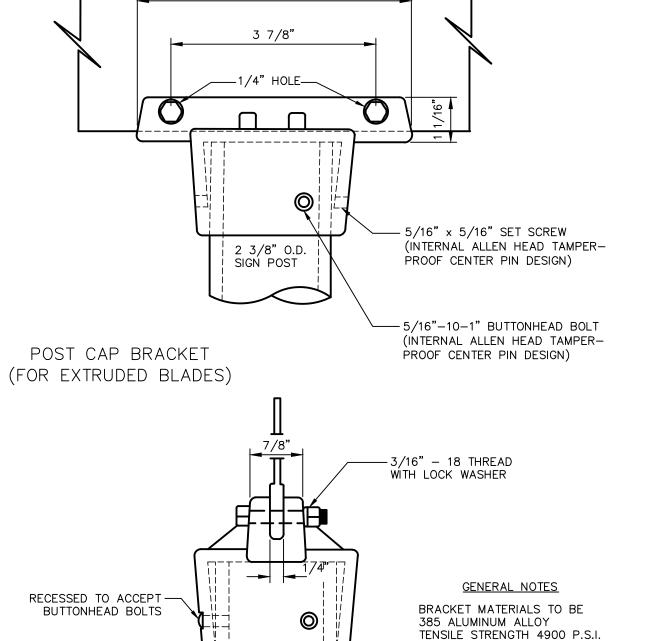
	NIC SIDE	VALK
<u>SIGN</u>	POST	INSTALLATION

LENGTH A	LENGTH B	LENGTH C	DEPTH
10 FT	7 FT	LARGER THAN 24"	2 FT
9 FT	7 FT	SMALLER THAN 24"	1 1/2 FT

D.H.T. BLANK STANDARDS N.T.S.





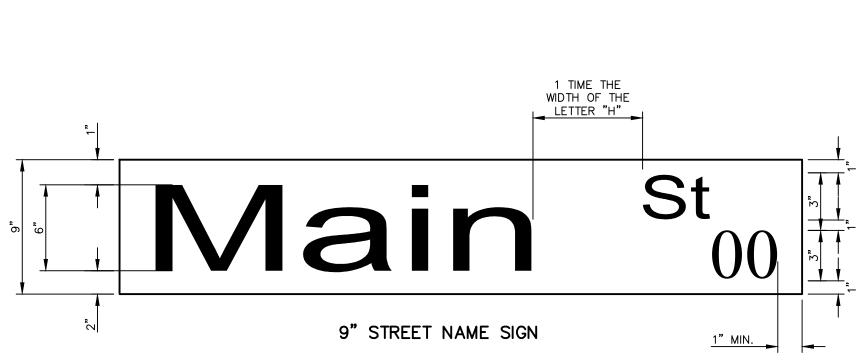


5 1/4"



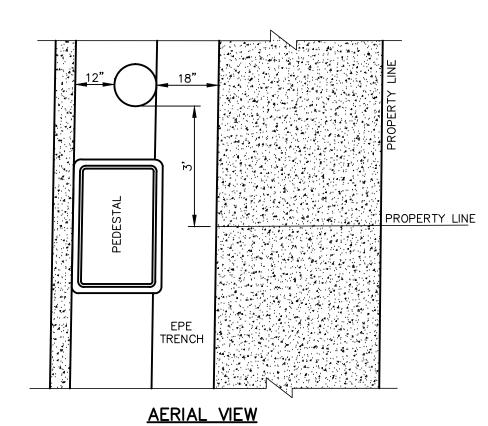
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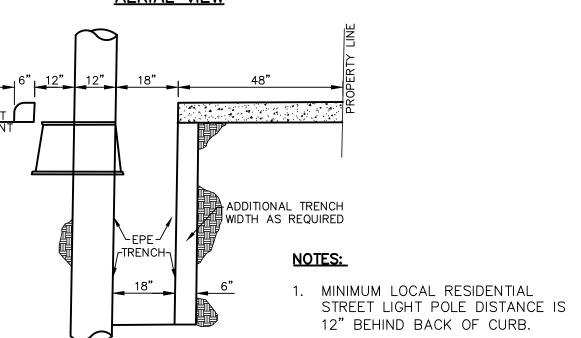
PITS, & HOLES



SIGN CLASS	SIGN HEIGHT	SIGN LENGTH	PRIMARY LETTERS SIZE & SERIES	LOWERCASE LETTERS SIZE & SERIES	SUFFIX & BLOCK NUMBER SIZE & SERIES
STREETS	9"	24",30",36"	6" C.D. SERIES	4.5" C.D. SERIES	3" C SERIES
ARTERIAL	12"	30"36".42"	8" C.D. SERIES	6" C.D. SERIES	4" C SERIES

LAYOUT FOR STREET NAME SIGNS





TYPICAL EL PASO ELECTRIC TRENCH LOCATION
ON LOCAL RESIDENTIAL STREET
EL PASO ELECTRIC CO. DISTRIBUTION STANDARD

FRONT VIEW

REFERENCES — BE
CITY MONUMENT AT POINT OF C
BEEM BLVD., SO8'43'31"E A DIS
FROM THE SOUTHERLY RIGHT OF
MONTANA AVENUE.
ELEVATION: 4014.90 (NAVD 88)

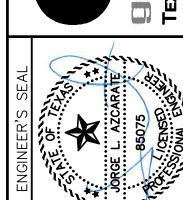
D.net

DATE

REVISION

Suite 300
El Paso, TX 79902
915.544.5232

www.ceagroup.net
DATE



Horizontal: N/A
Vertical: N/A
Contour Interval: N/A
DATE: APRIL 2021
DESIGN BY: K.A.P.
CHKD. BY: F.Z.

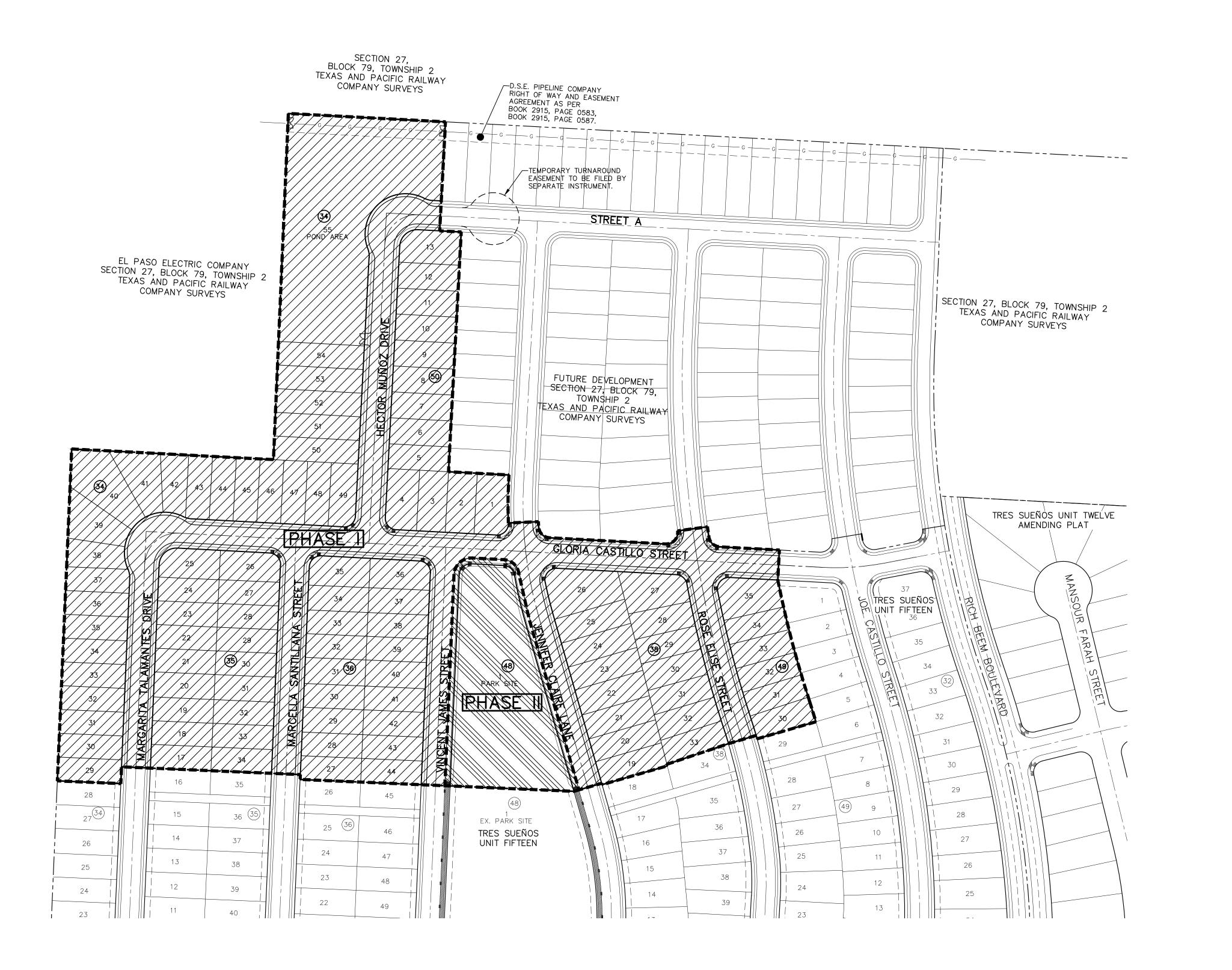
TRES SUEÑOS UNIT TWENTY THREE SUBDIVISION IMPROVEMENTS

SHEET TITLE

ILLUMINATION AND SIGNAGE DETAILS

SHEET NO.

C11.2



UTILITY LOCATOR SERVICES

EL PASO ELECTRIC COMPANY EL PASO ENERGY CORPORATION EL PASO WATER UTILITIES MCI SURVEILLANCE TIME WARNER COMMUNICATIONS TEXAS GAS SERVICE

U.S. SPRINT TELECOMM

AT&T

(800) MCI-WORK (915) 772-1123 (915) 680-7200 (800) 545-6005 (800) 852-3786 (800) 521-0579

(915) 543-5720

(915) 496-5244

(915) 594-5500

WARNING! BEFORE YOU DIG

FOR FIELD LOCATING EXISTING UTILITIES

<u>LEGEND</u>

PHASE II

PHASE I	AREA (ACRES)	RESIDENTIAL LOTS
PHASE I	16.71	96
PHASE II	1.51	0

BENCHMARK

CITY MONUMENT AT POINT OF CURVE CENTERLINE RICH BEEM BLVD., S08'43'31'E A DISTANCE OF 467.58 FEET FROM THE SOUTHERLY RIGHT OF WAY LINE OF MONTANA AVENUE. ELEVATION: 4005.40 (CITY DATUM)

FLOOD ZONE:

THIS SUBDIVISION LIES WITH IN ZONE "X" AS DESIGNATED IN PANEL NO. 480212 0175 B, DATED SEPTEMBER 4, 1991, OF THE FLOOD INSURANCE RATE MAPS, EL PASO COUNTY, TEXAS. ZONE "X" INDICATES AREAS OF MINIMAL FLOODING.

TRES SUEÑOS IIT TWENTY THREE DIVISION IMPROVEMENTS UNIT TWE SUBDIVISION

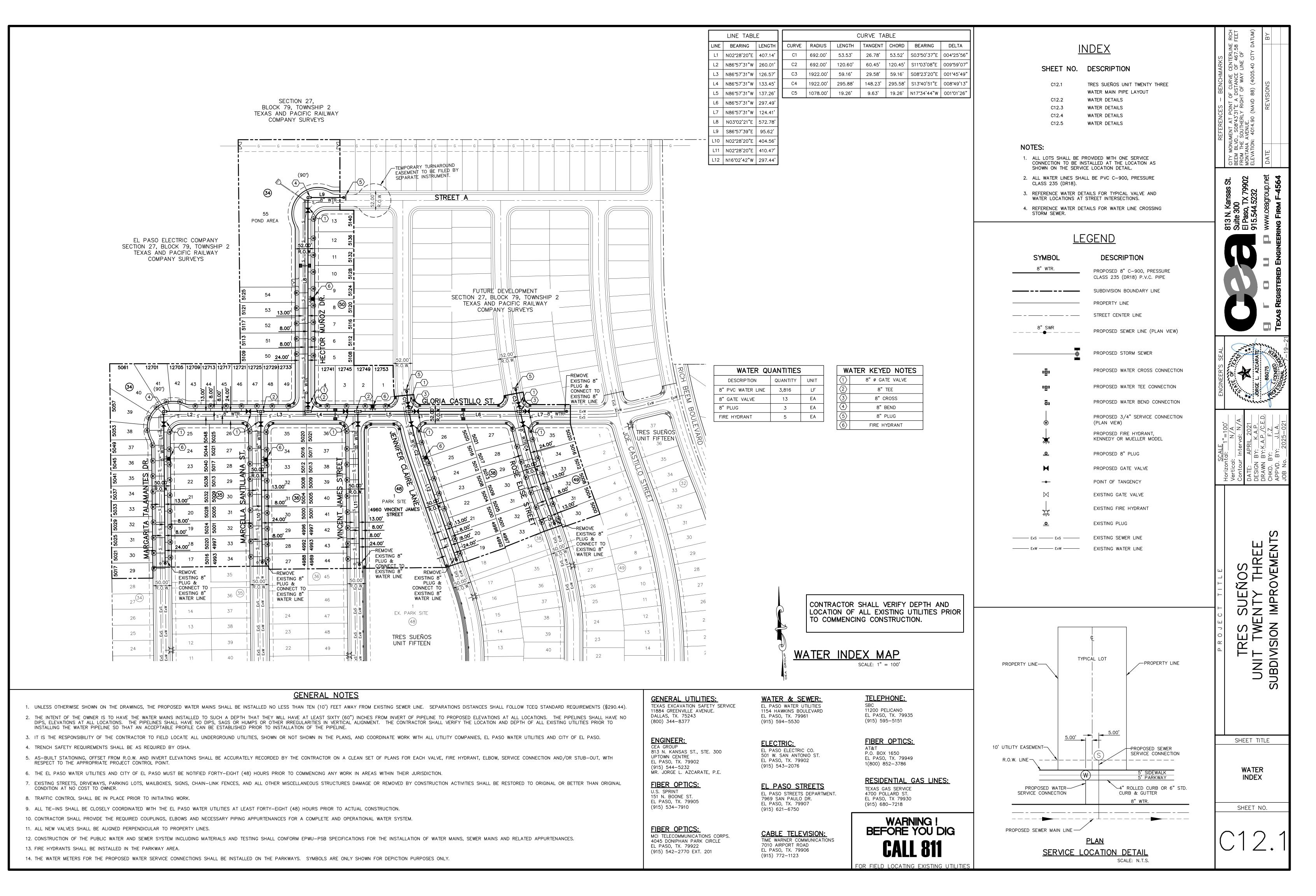
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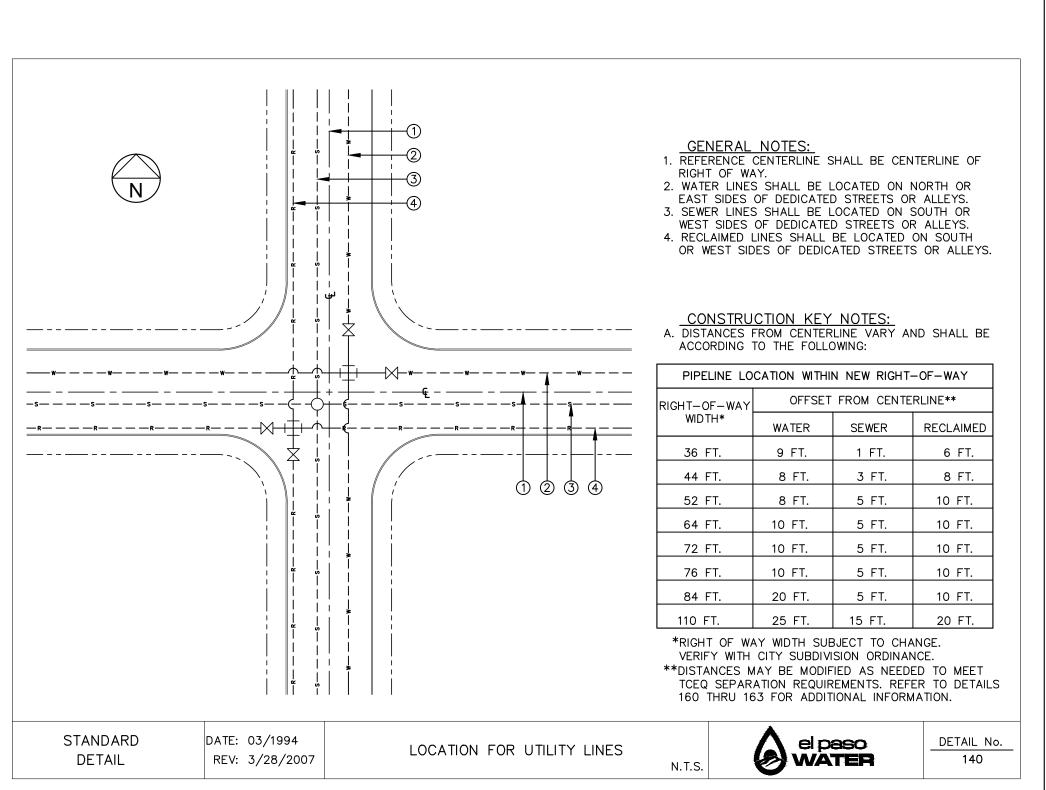
CONSTRUCTION PHASING PLAN

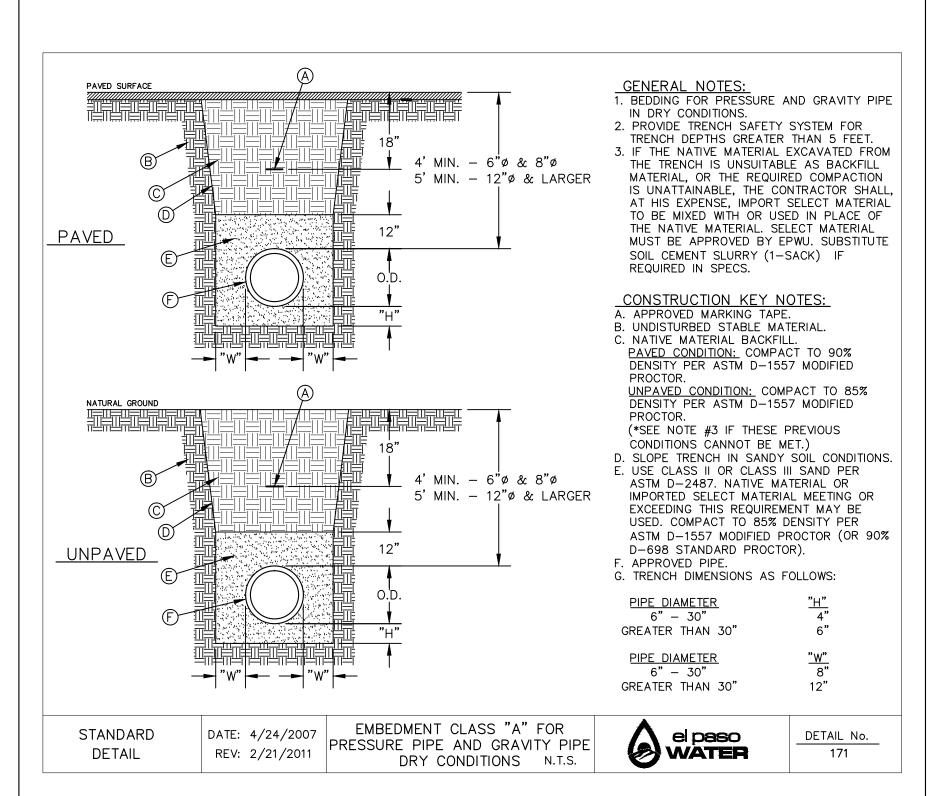
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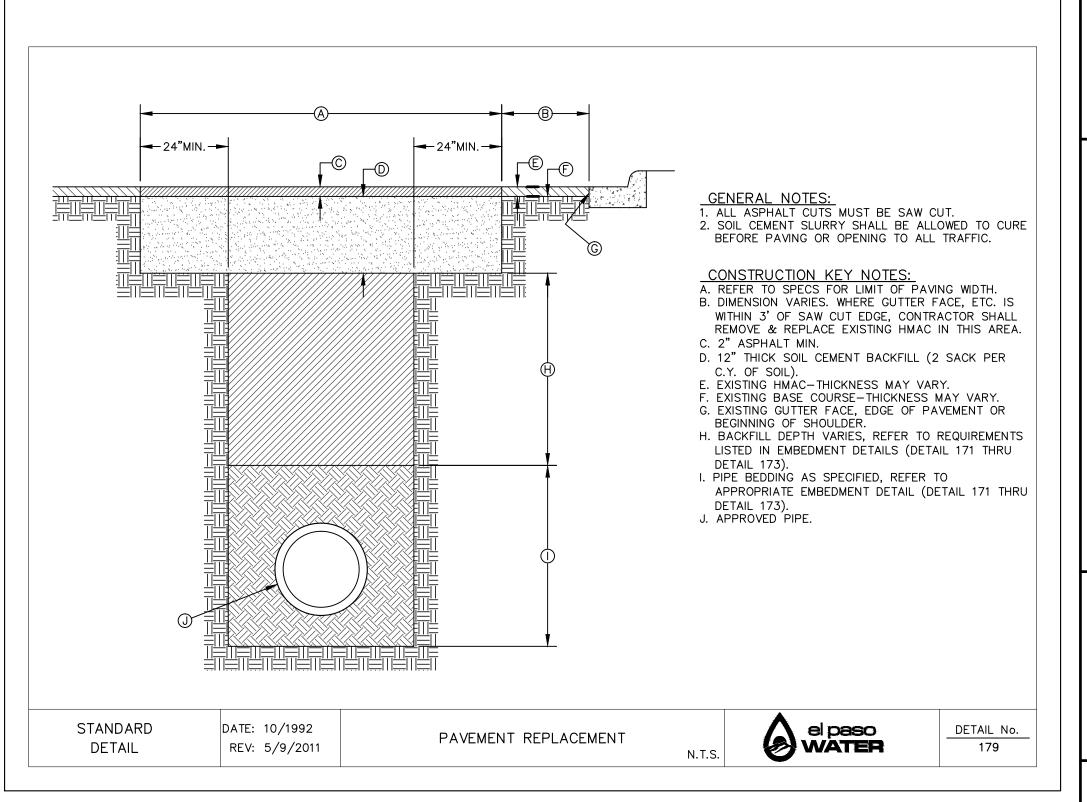
CONSTRUCTION PHASING PLAN

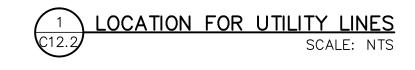
(IN FEET) 1 inch = 100 ft.



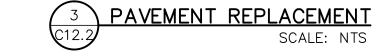


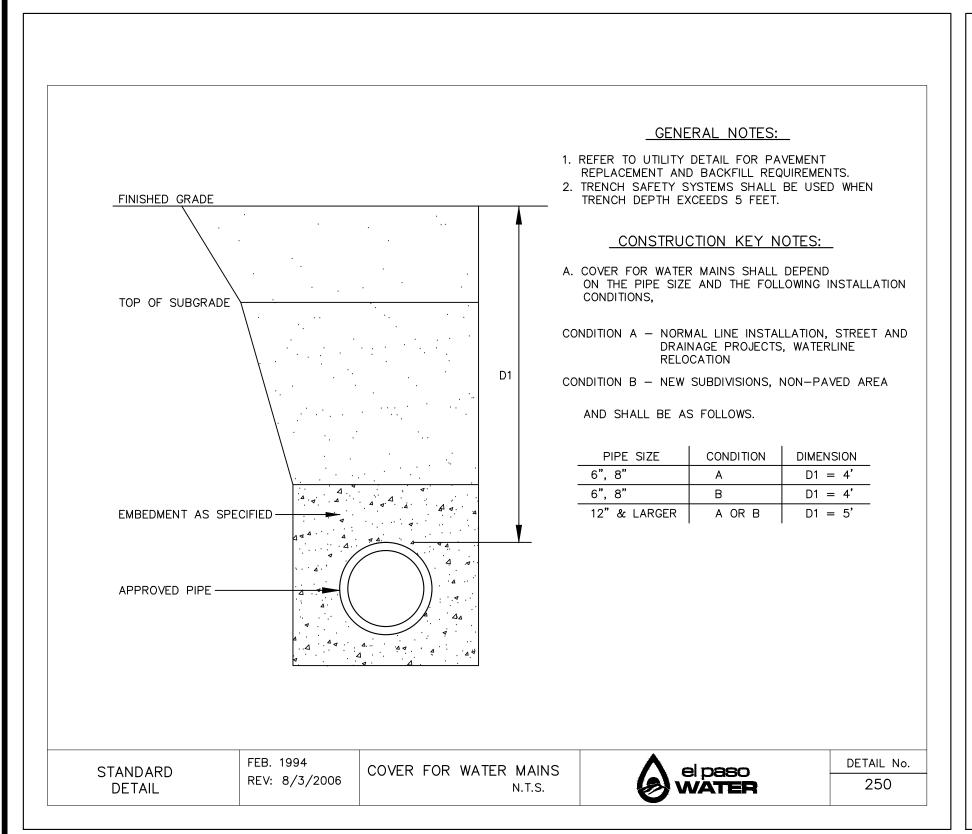


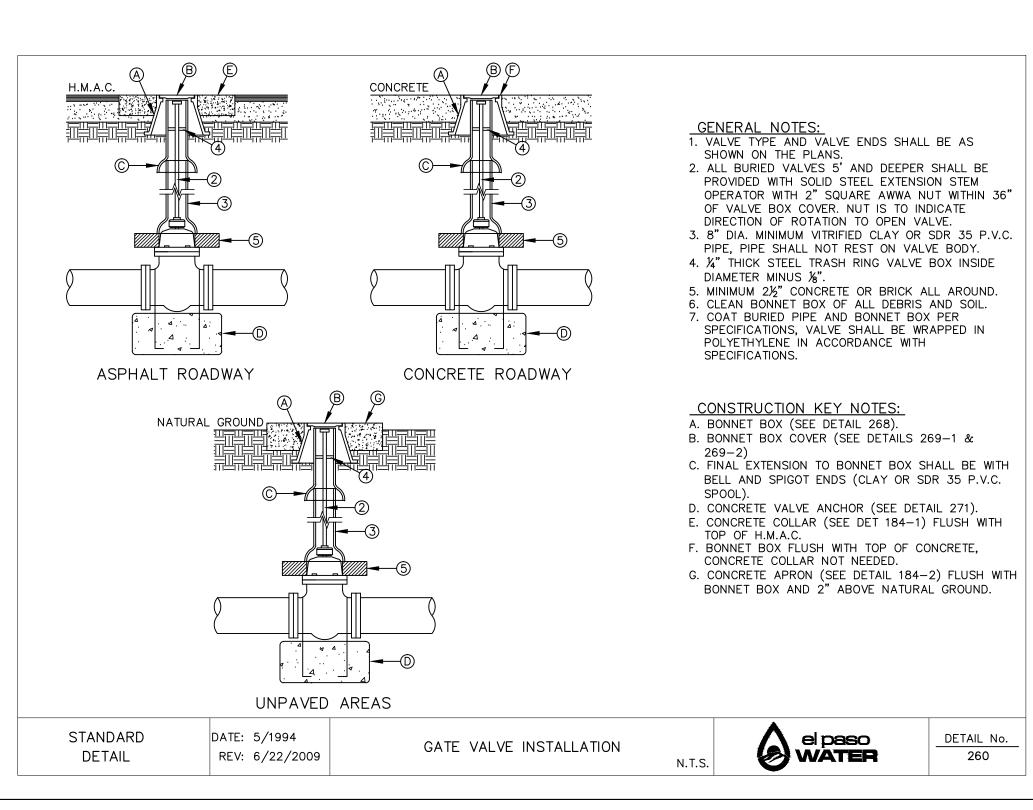


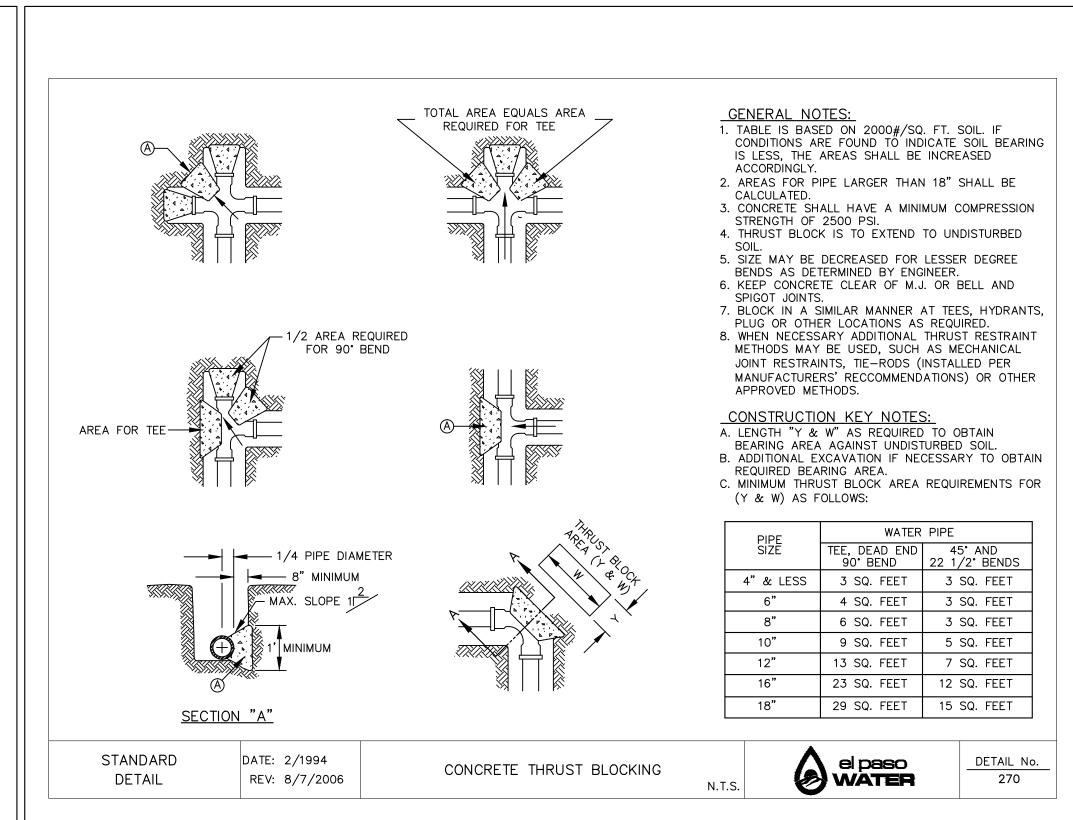
















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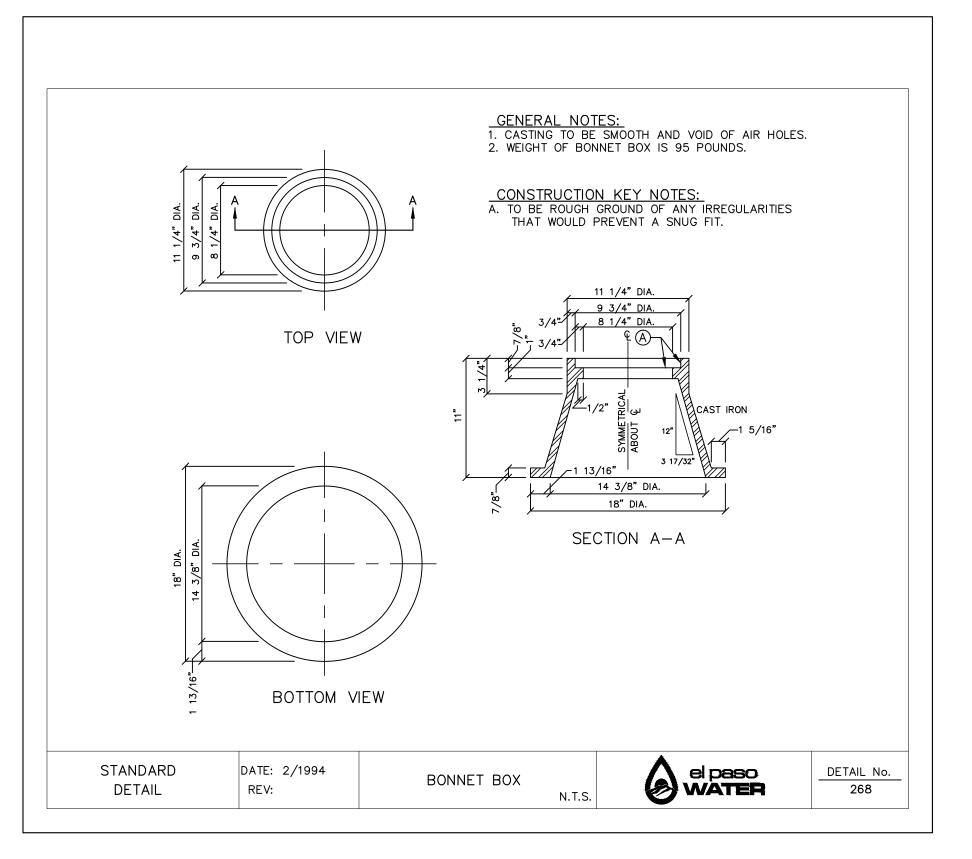
SUEÑOS ENTY THREE IMPROVEMENTS

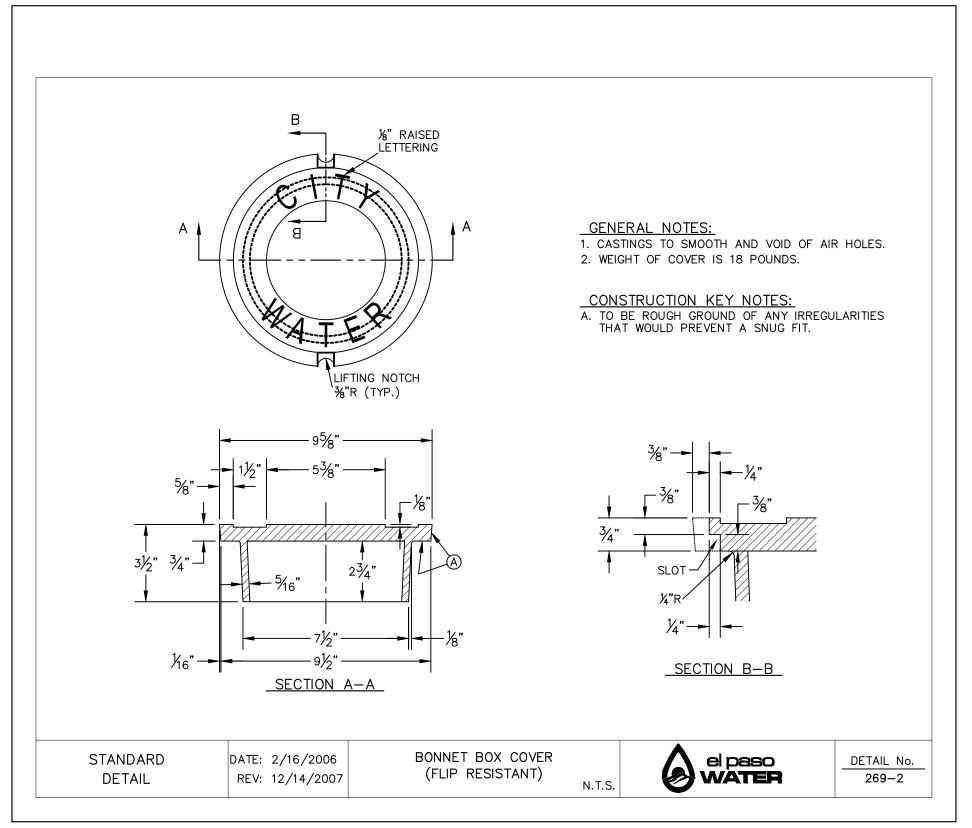
TWE SUBDIVISION TRE N N

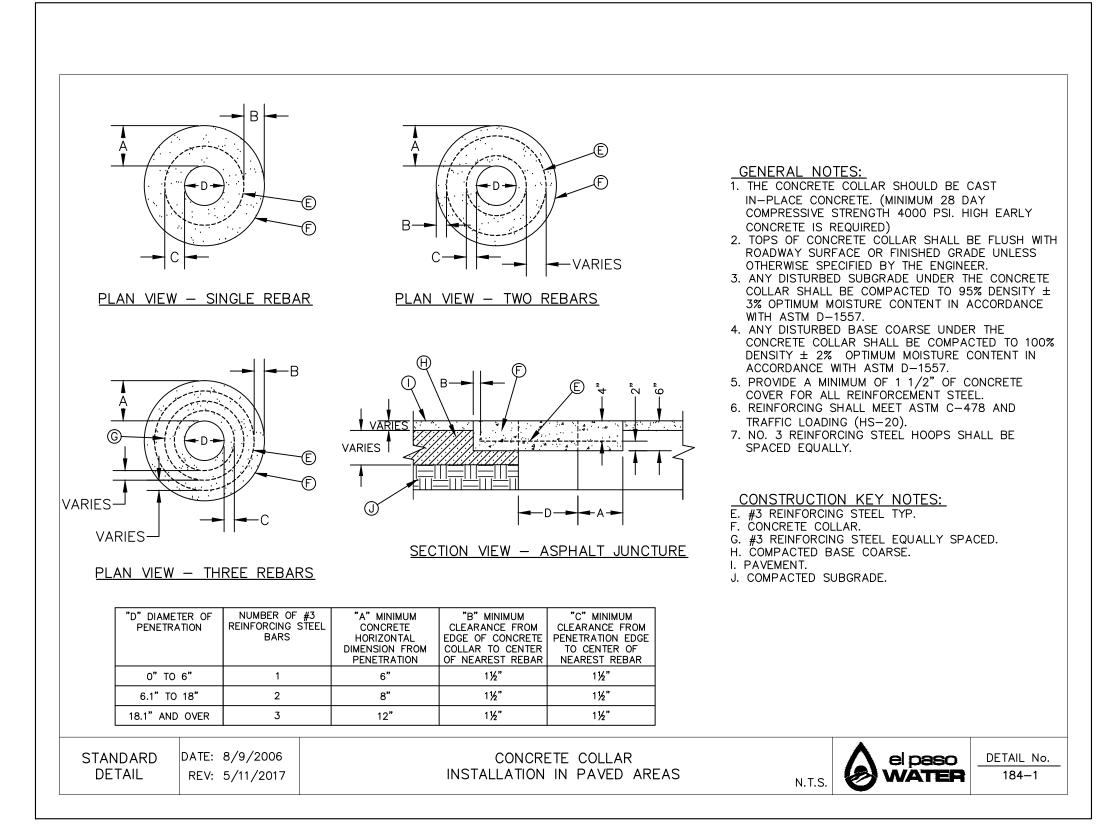
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WATER **DETAILS**

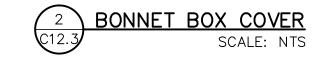
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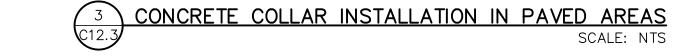


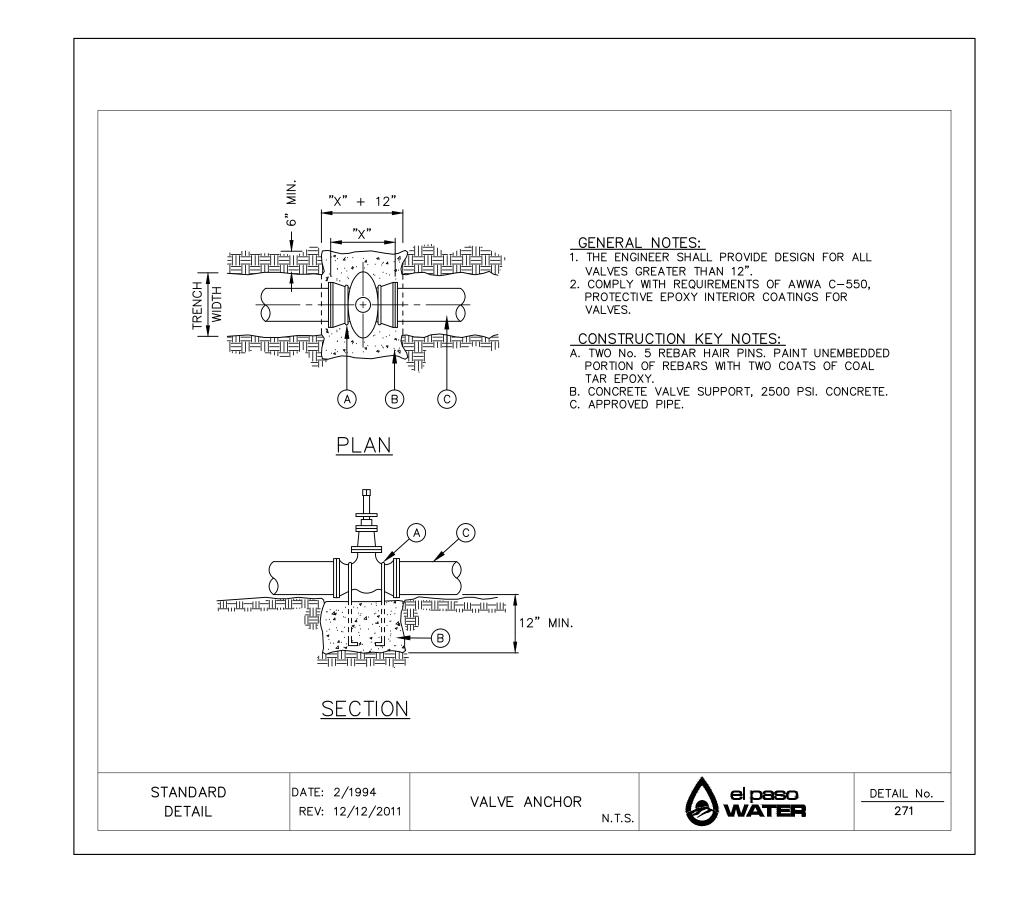


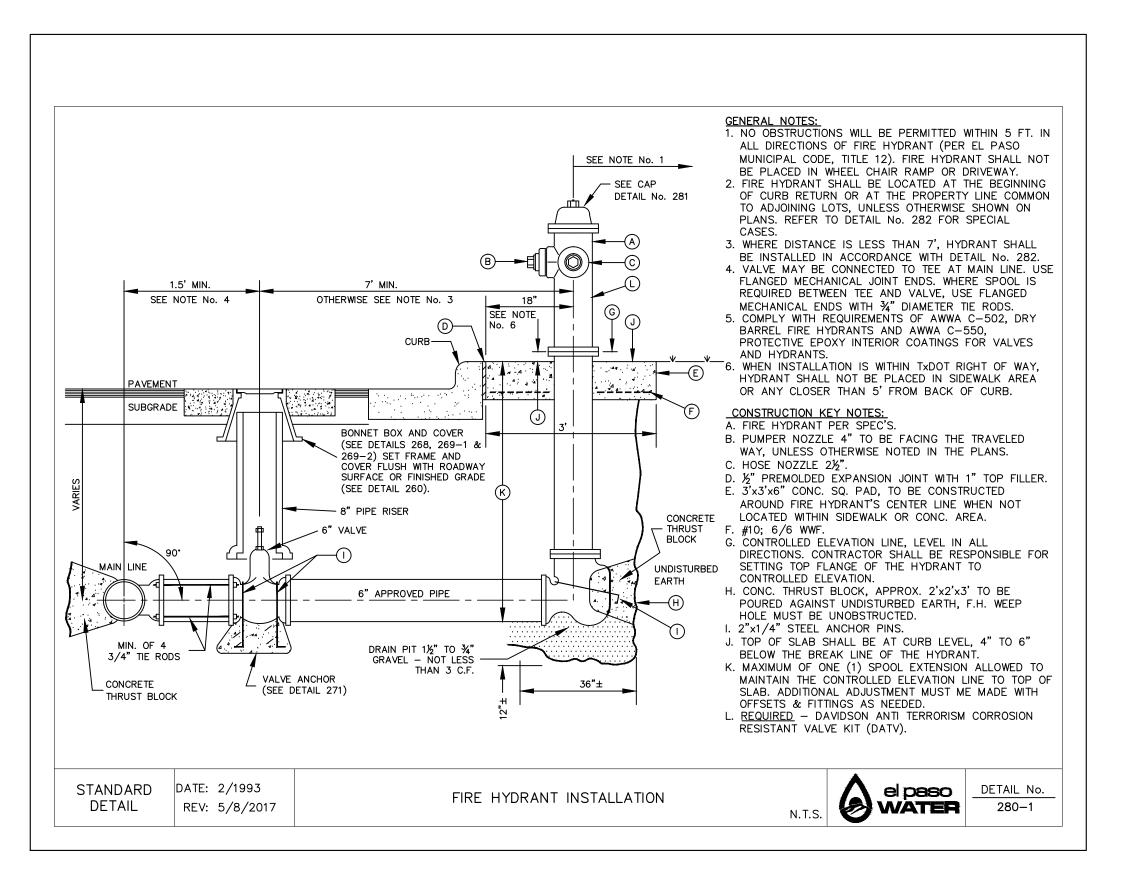














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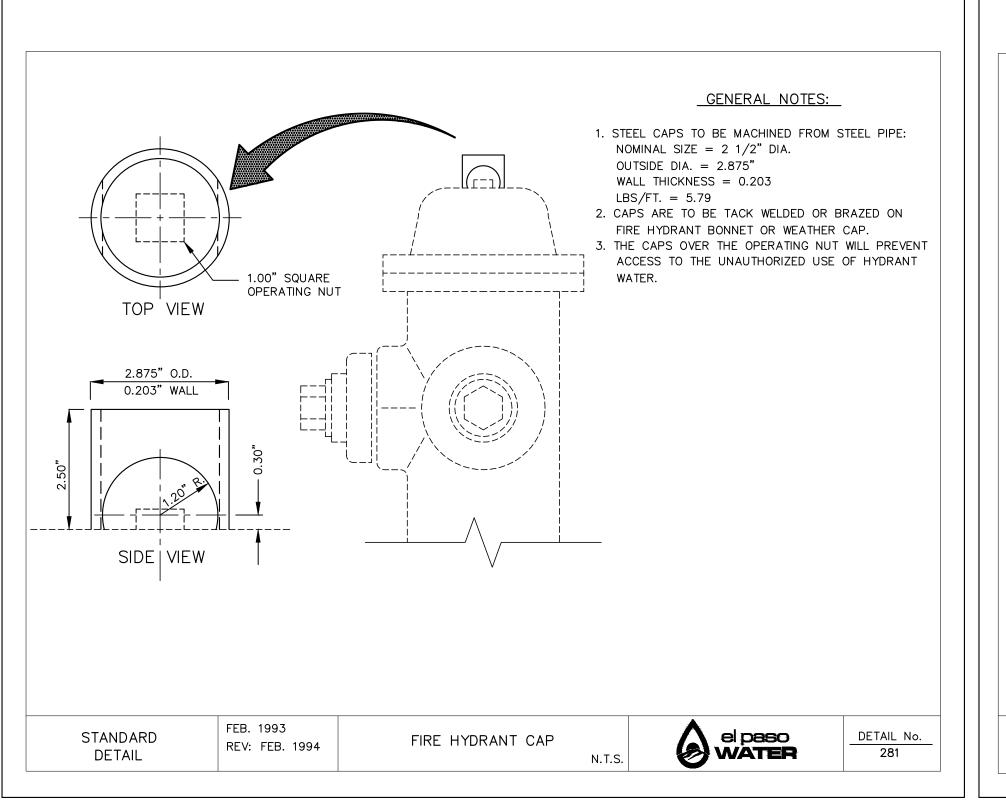
WATER **DETAILS**

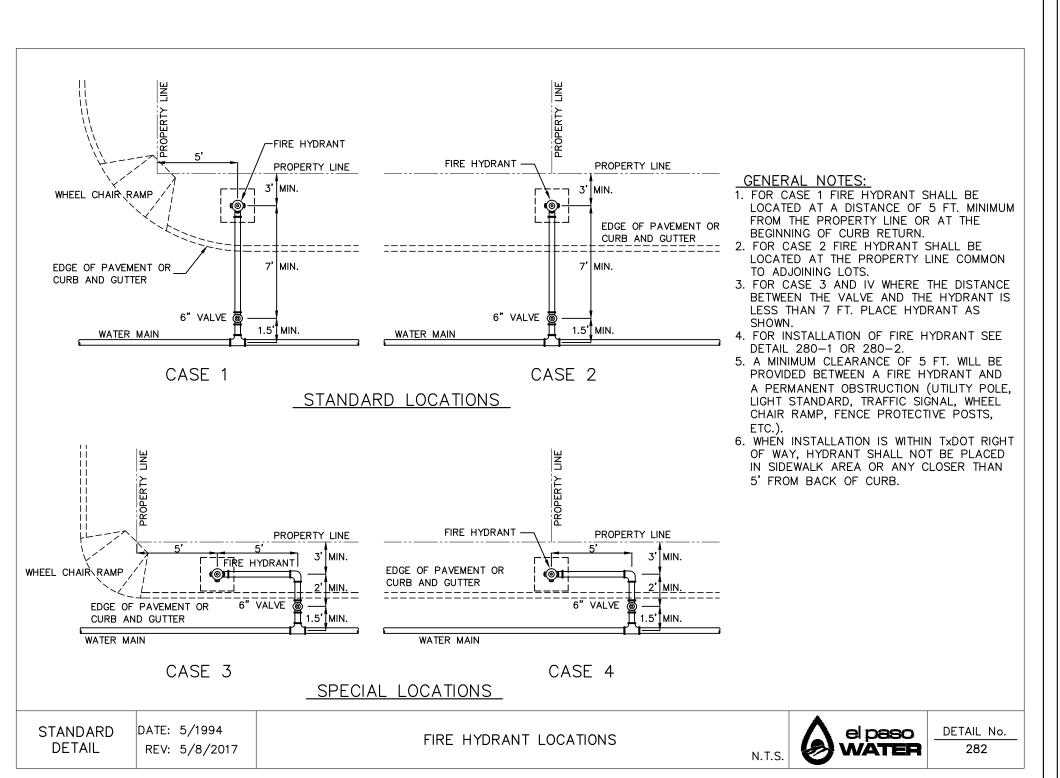
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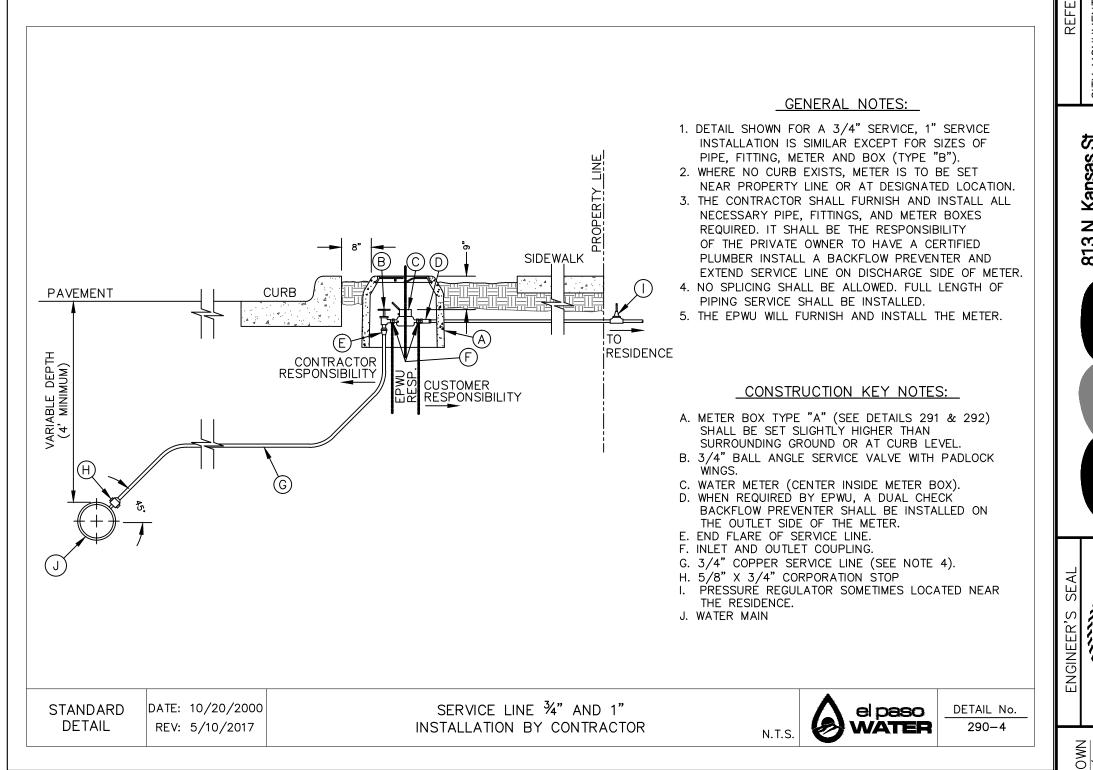
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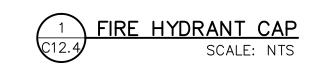
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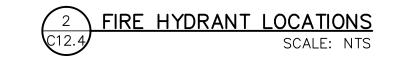
SUBDIVISION

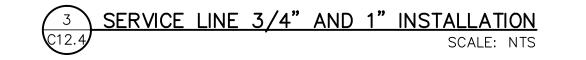


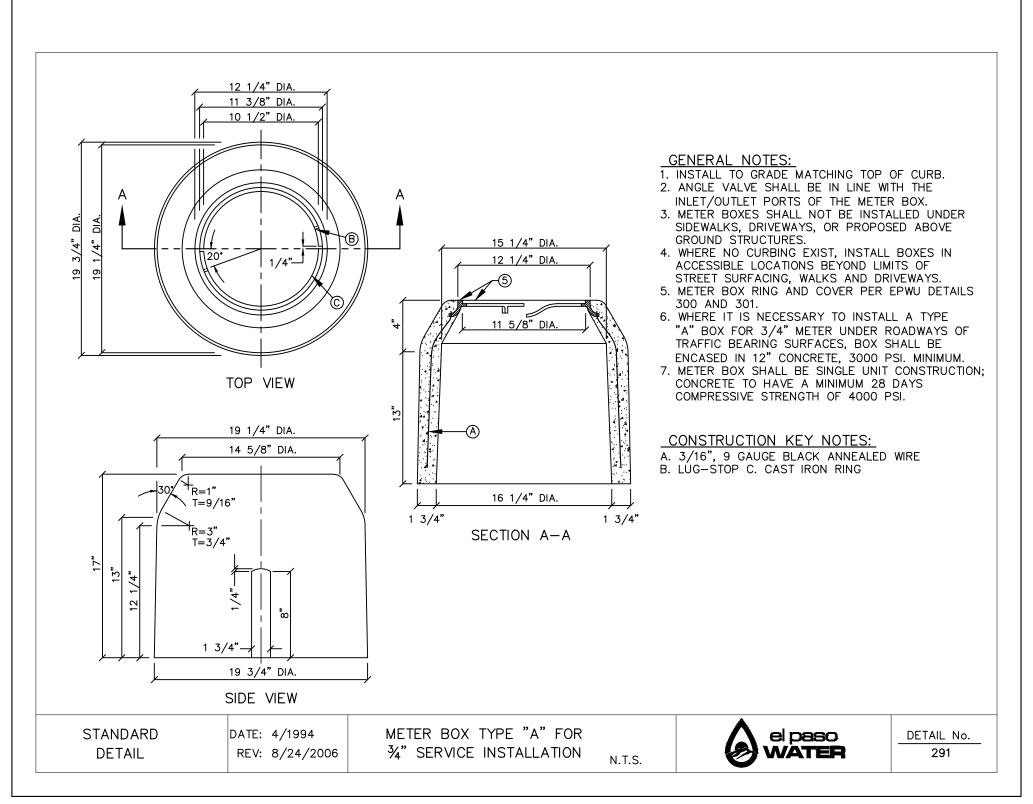


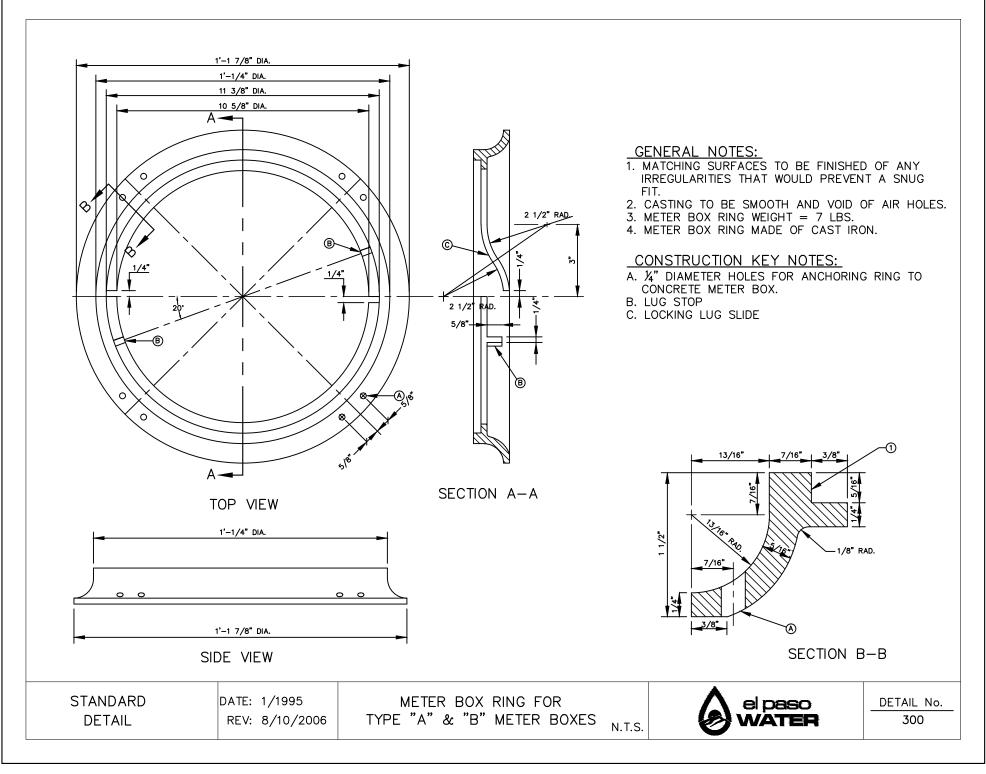


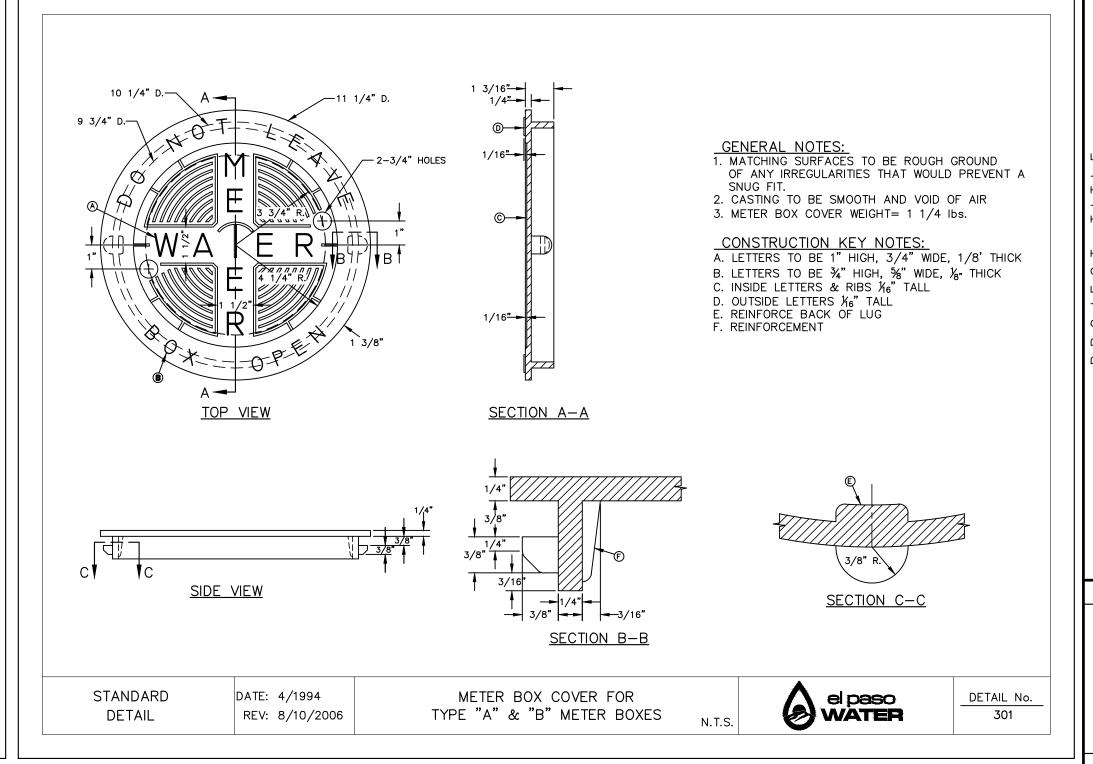












METER BOX TYPE "A" FOR

3/4" SERVICE INSTALLATION

SCALE: NTS

METER BOX RING FOR

TYPE "A" & "B" METER BOXES

SCALE: NTS



C12.4

TRES TITLE SUBDIVISION

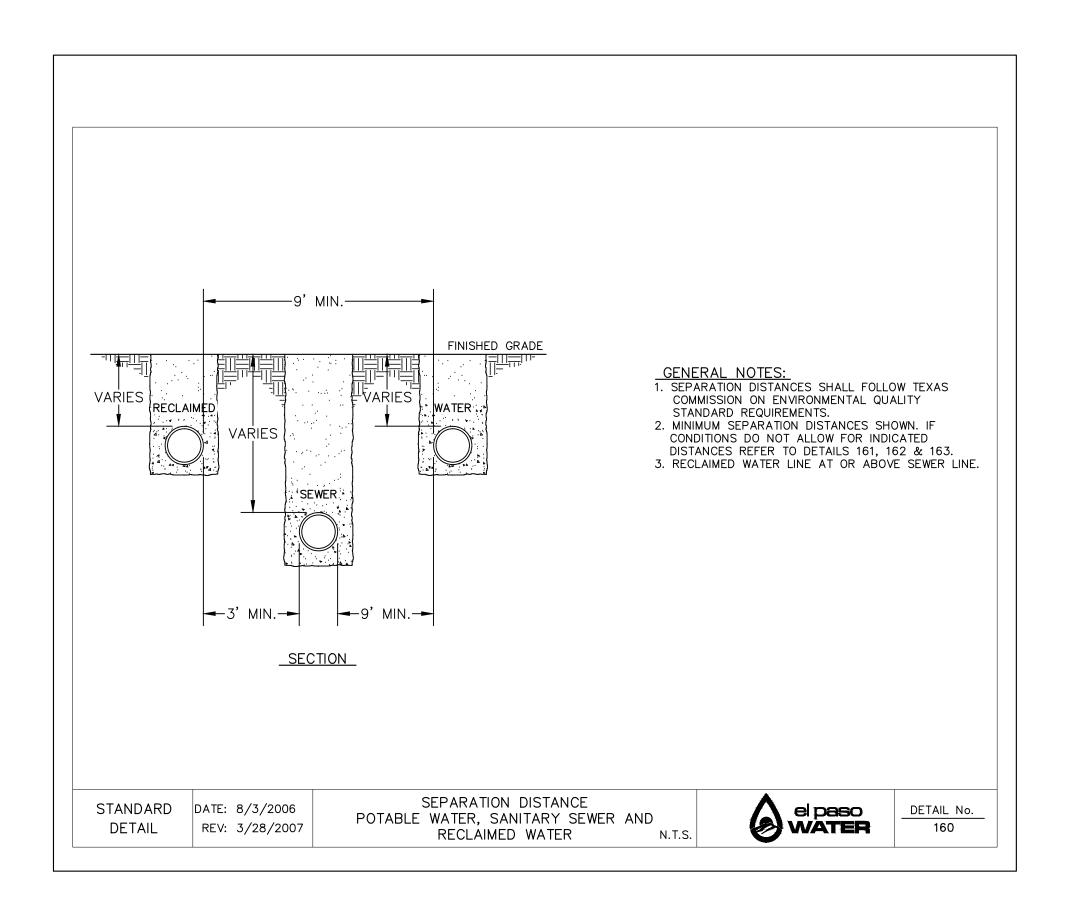
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WATER DETAILS

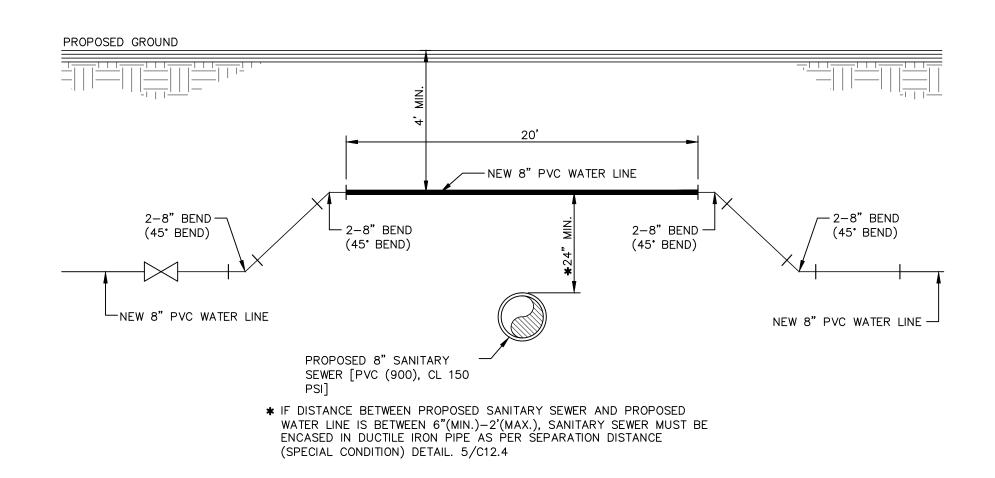
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SHEET NO.

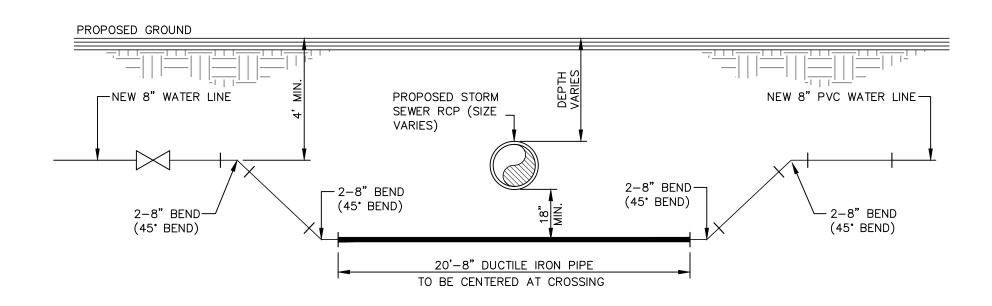
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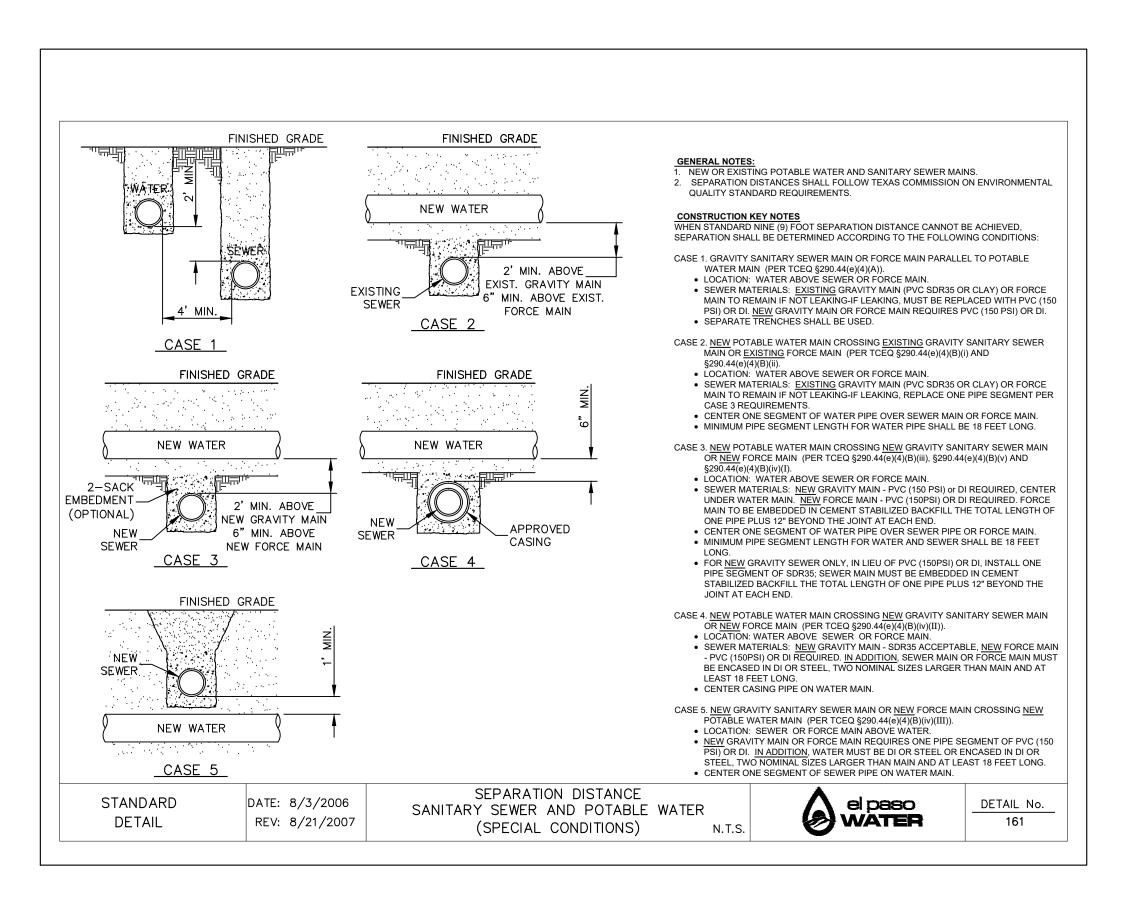
SEPARATION DISTANCE POTABLE WATER, C12.5 SANITARY SEWER AND RECLAIMED WATER SCALE: NTS



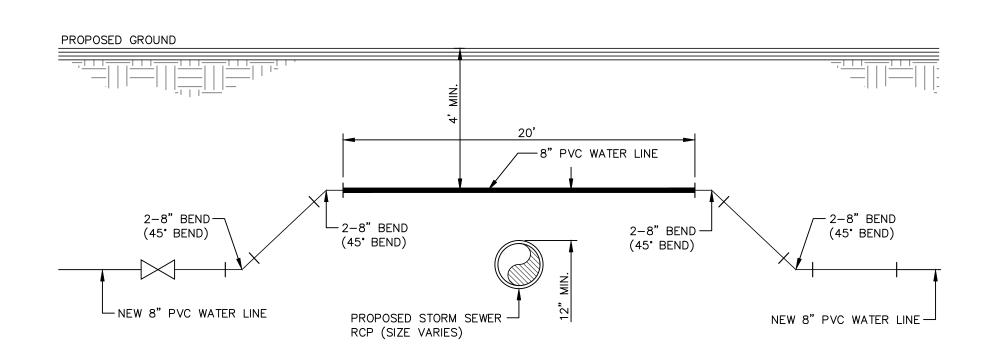
WATER LINE OVER SANITARY SEWER CROSSING DETAIL SCALE: NTS



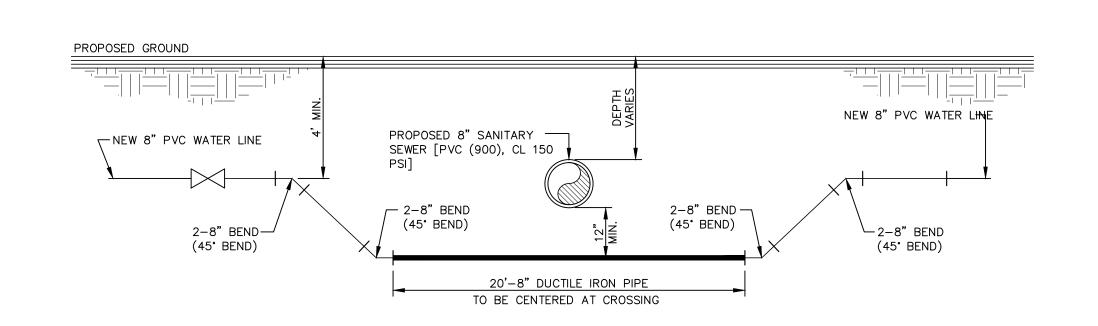
5
WATER LINE UNDER STORM SEWER CROSSING DETAIL
SCALE: NTS



SEPARATION DISTANCE 2 SANITARY SEWER AND POTABLE WATER (SPECIAL CONDITIONS) SCALE: NTS



WATER LINE OVER STORM SEWER CROSSING DETAIL SCALE: NTS





St. CITY MONUMENT AT POINT OF CURVE CENTERLINE F BEEM BLVD., SO8*43'31"E A DISTANCE OF 467.58 F FROM THE SOUTHERLY RIGHT OF WAY LINE OF MONTANA AVENUE. ELEVATION: 4014.90 (NAVD 88) (4005.40 CITY DAT

813 N. Kansas St. Suite 300 El Paso, TX 79902 915.544.5232 www.ceagroup.net

E OF 7FF 160 TE A SCARATE ON TEXAS REGISTING TO THE A SCARATE ON THE A SCA

Vertical: N/A

Contour Interval: N/A

DATE: APRIL 2021

DESIGN BY: K.A.P.

DRAWN BY: K.A.P.

CHKD. BY: F.Z.

APPAN BY: F.Z.

TRES SUEÑOS UNIT TWENTY THREE SUBDIVISION IMPROVEMENTS

SHEET TITLE

WATER DETAILS

(SHEET 4 OF 4)
SHEET NO.

C12.5

SECTION 27, BLOCK 79, TOWNSHIP 2 TEXAS AND PACIFIC RAILWAY



WASTEWATER QUANTITIES				
ITEM NO.	DESCRIPTION	QUANTITY	UNIT	
1	8" PVC SDR35 GRAVITY LINE	2727	LINEAR FEET	
2	12" PVC SDR35 GRAVITY LINE	392	LINEAR FEET	
3	8" PVC C-900, CL150	682	EACH	
4	STANDARD WASTEWATER MANHOLE (0'-8' DEEP)	8	EACH	
5	16"ø STEEL CASING	60	EACH	
6	4" WASTEWATER SERVICE CONNECTION	96	EACH	

CONTRACTOR SHALL VERIFY DEPTH AND LOCATION OF ALL EXISTING UTILITIES PRIOR TO COMMENCING CONSTRUCTION.

SANITARY SEWER INDEX MAP

GENERAL NOTES

- UNLESS OTHERWISE SHOWN ON THE DRAWINGS, THE PROPOSED SEWER MAINS AND SEWER MANHOLES SHALL BE INSTALLED NO LESS THAN TEN (10') FEET AWAY FROM EXISTING WATER LINE. SEPARATIONS DISTANCES SHALL FOLLOW TCEQ STANDARD REQUIREMENTS (§290.44)
- 2. THE INTENT OF THE OWNER IS TO HAVE THE SANITARY SEWER PIPELINES INSTALLED TO SUCH A DEPTH THAT THEY WILL HAVE AT LEAST FORTY-EIGHT (48") INCHES OF COVER BELOW PROPOSED GROUND AT ALL LOCATIONS. THE PIPELINES SHALL HAVE NO DIPS, SAGS OR HUMPS OR OTHER IRREGULARITIES IN VERTICAL ALIGNMENT. CONSIDERING UTILITIES AND OTHER CONDITIONS, VARIANCE FROM GRADE PROFILE IS NOT RECOMMENDED IF OTHER EXISTING UTILITIES OR OBSTRUCTIONS ARE ENCOUNTERED DURING THE WORK. THE CONTRACTOR SHALL VERIFY THE LOCATION AND DEPTH OF ALL EXISTING UTILITIES PRIOR TO INSTALLING THE SEWER PIPELINE SO THAT AN ACCEPTABLE PROFILE CAN BE ESTABLISHED PRIOR TO INSTALLATION OF THE PIPELINE.
- IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO FIELD LOCATE ALL UNDERGROUND UTILITIES, SHOWN OR NOT SHOWN IN THE PLANS, AND COORDINATE HIS WORK WITH ALL UTILITY COMPANIES, EL PASO WATER UTILITIES AND CITY OF EL PASO PRIOR TO CONSTRUCTION. ALL EXISTING UTILITY DEPTHS ARE UNKNOWN. THE CONTRACTOR SHALL BE ULTIMATELY RESPONSIBLE FOR ACQUIRING FIELD DEPTHS OF ALL UTILITIES WITH THE PROJECT
- 4. TRENCH SAFETY REQUIREMENTS SHALL COMPLY WITH CURRENT OSHA REGULATIONS.
- . AS-BUILT STATIONING, OFFSET FROM R.O.W. AND INVERT ELEVATIONS SHALL BE ACCURATELY RECORDED BY THE CONTRACTOR ON A CLEAN SET OF PLANS FOR EACH MANHOLE, SERVICE CONNECTION AND/OR STUB-OUT, WITH RESPECT TO THE APPROPRIATE PROJECT CONTROL POINT.
- 6. THE EL PASO WATER UTILITIES AND CITY OF EL PASO MUST BE NOTIFIED FORTY-EIGHT (48) HOURS PRIOR TO COMMENCING ANY WORK IN AREAS WITHIN THEIR JURISDICTION. A COPY OF ALL FIELD SOIL DENSITY TESTS WITHIN THEIR RESPECTIVE R.O.W. SHALL BE FORWARDED TO THE DEVELOPER'S ENGINEER AND THE DEVELOPER BY THE CONTRACTOR.
- '. EXISTING STREETS, DRIVEWAYS AND ALL OTHER MISCELLANEOUS STRUCTURES DAMAGE OR REMOVED BY CONSTRUCTION ACTIVITIES SHALL BE RESTORED TO ORIGINAL OR BETTER THAN ORIGINAL CONDITION.
- 8. CONSTRUCTION OF THE PUBLIC WATER AND SEWER SYSTEM INCLUDING MATERIALS AND TESTING SHALL CONFIRM TO EPWU-PSB STANDARD SPECIFICATIONS FOR THE INSTALLATION OF WATER MAINS, SEWER MAINS AND RELATED APPURTENANCES.

GENERAL UTILITIES: TEXAS EXCAVATION SAFETY SERVICE 11884 GREENVILLE AVENUE. DALLAS, TX. 75243 (800) 344-8377

ENGINEER: CEA GROUP

UPTOWN CENTRE 813 NORTH KANSAS STREET STE. 300 EL PASO, TX. 79902 (915) 544-5232 MR. JORGE L. AZCARATE, P.E.

FIBER OPTICS: U.S. SPRINT

151 N. BOONE ST. EL PASO, TX. 79905 (915) 534-7910

FIBER OPTICS: MCI TELECOMMUNICATIONS CORPS. 4045 DONIPHAN PARK CIRCLE EL PASO, TX. 79922 (915) 542-2770 EXT. 201

WATER & SEWER: EL PASO WATER UTILITIES
1154 HAWKINS BOULEVARD EL PASO, TX. 79961 (915) 594-5530

ELECTRIC: EL PASO ELECTRIC CO. 501 W. SAN ANTONIO ST. EL PASO, TX. 79902 (915) 543-2076 MR. FRANK VIGEL (DISTRIBUTION)

EL PASO STREETS CITY OF EL PASO DEPARTMENT OF TRANSPIRATION 7969 SAN PAULO DRIVE EL PASO, TX. 79907 (915) 621-6750

CABLE TELEVISION: TIME WARNER COMMUNICATIONS 7010 AIRPORT ROAD EL PASO, TX. 79906 (915) 772-1123

TELEPHONE: 11200 PELICANO EL PASO, TX. 79935

(915) 595-5151

FIBER OPTICS: AT&T P.O. BOX 1650 EL PASO, TX. 79949 1(800) 852-3786

RESIDENTIAL GAS LINES: TEXAS GAS SERVICE 4700 POLLARD ST. EL PASO, TX 79930 (915) 680-7218

> **WARNING!** BEFORE YOU DIG

FOR FIELD LOCATING EXISTING UTILITIES

INDEX

SHEET NO. DESCRIPTION

TRES SUEÑOS UNIT TWENTY THREE LEGEND INDEX / GENERAL INFORMATION LINE A C13.3 LINE B, E & F

C13.4 LINE C & D SANITARY SEWER DETAILS C13.5 SANITARY SEWER DETAILS C13.6 SANITARY SEWER DETAILS C13.7

- 1. ALL LOTS SHALL BE PROVIDED WITH ONE SERVICE CONNECTION TO BE INSTALLED AT THE LOCATION AS
- SHOWN ON THE SERVICE LOCATION DETAIL. 2. ALL SANITARY SEWER PIPES SHALL BE PVC, SDR 35, (D 3034), UNLESS OTHERWISE SHOWN. AS REQUIRED BY THE EPWU/PSB RULES AND REGULATIONS AND DESIGN STANDARDS.
- 3. REFERENCE SANITARY SEWER DETAILS FOR SEWER CROSSINGS AT STORM SEWER.

LEGEND

SYMBOL DESCRIPTION

PROPOSED STORM SEWER EXISTING WATER LINE

Exs — Exs — EXISTING SEWER LINE SUBD. BOUNDARY LINE

PROPERTY LINE

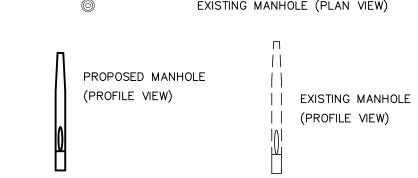
PROPOSED DOUBLE SEWER LINE (REFER TO PLAN & PROFILE) 12" LOWER LINE / 8" UPPER LINE

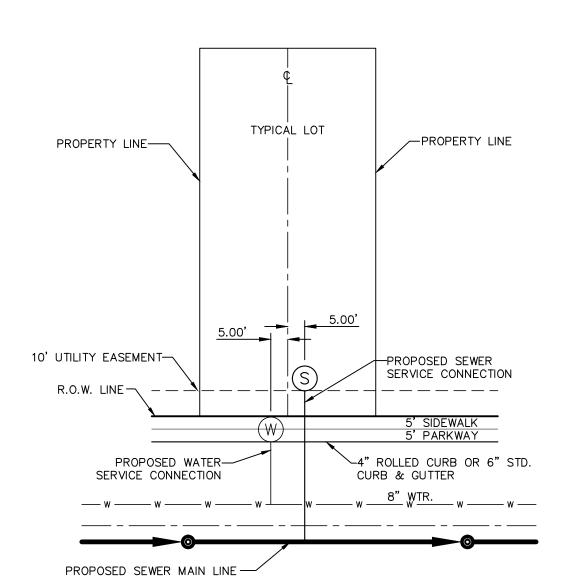
PROPOSED SEWER LINE (PLAN VIEW) PROPOSED SEWER LINE ON ANOTHER SHEET (PLAN VIEW)

PROPOSED SEWER LINE (PROFILE VIEW) PROPOSED SEWER LINE (PROFILE VIEW)

PROPOSED SERVICE CONNECTION (PLAN VIEW)

EXISTING MANHOLE (PLAN VIEW)





SERVICE LOCATION DETAIL SCALE: N.T.S.

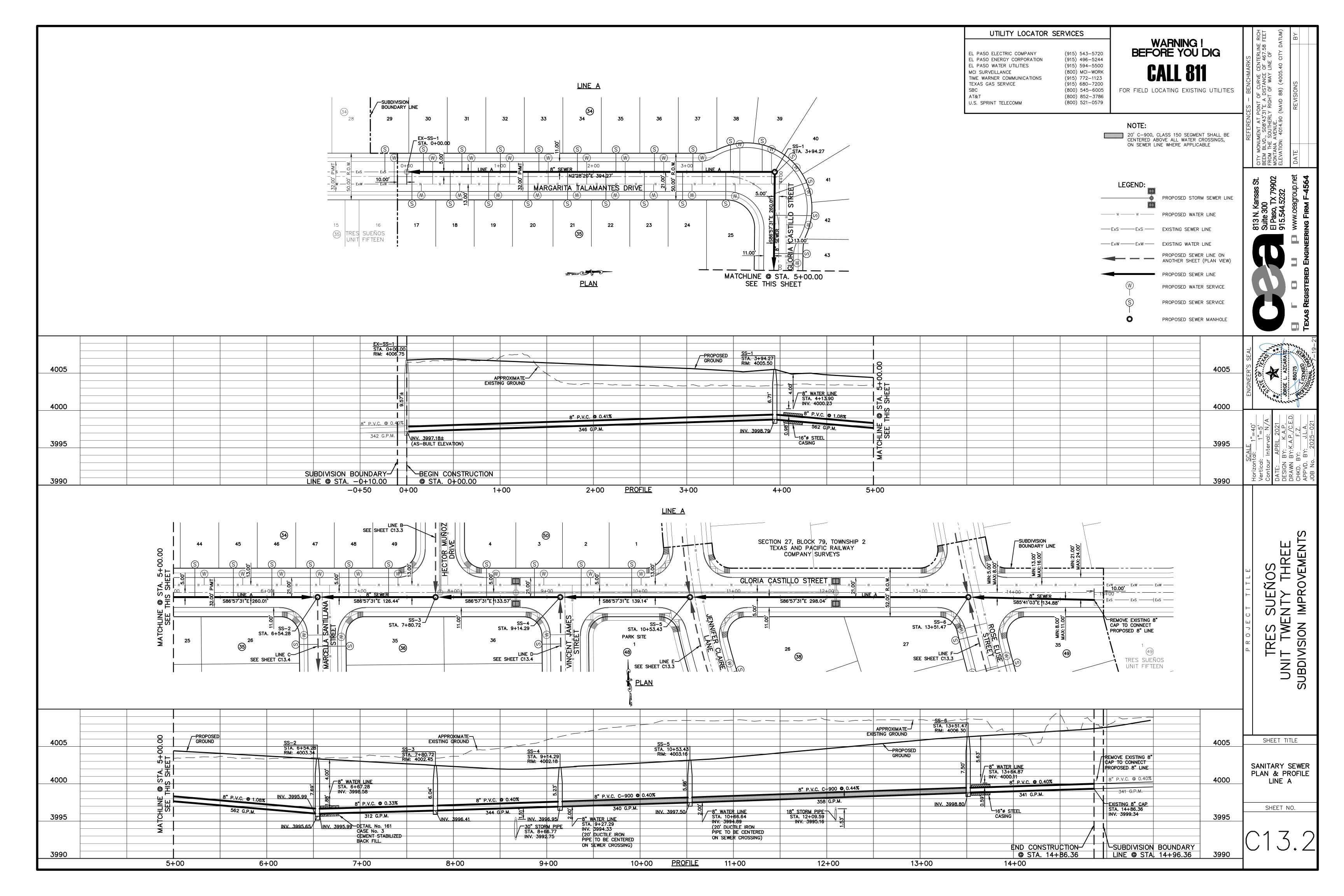
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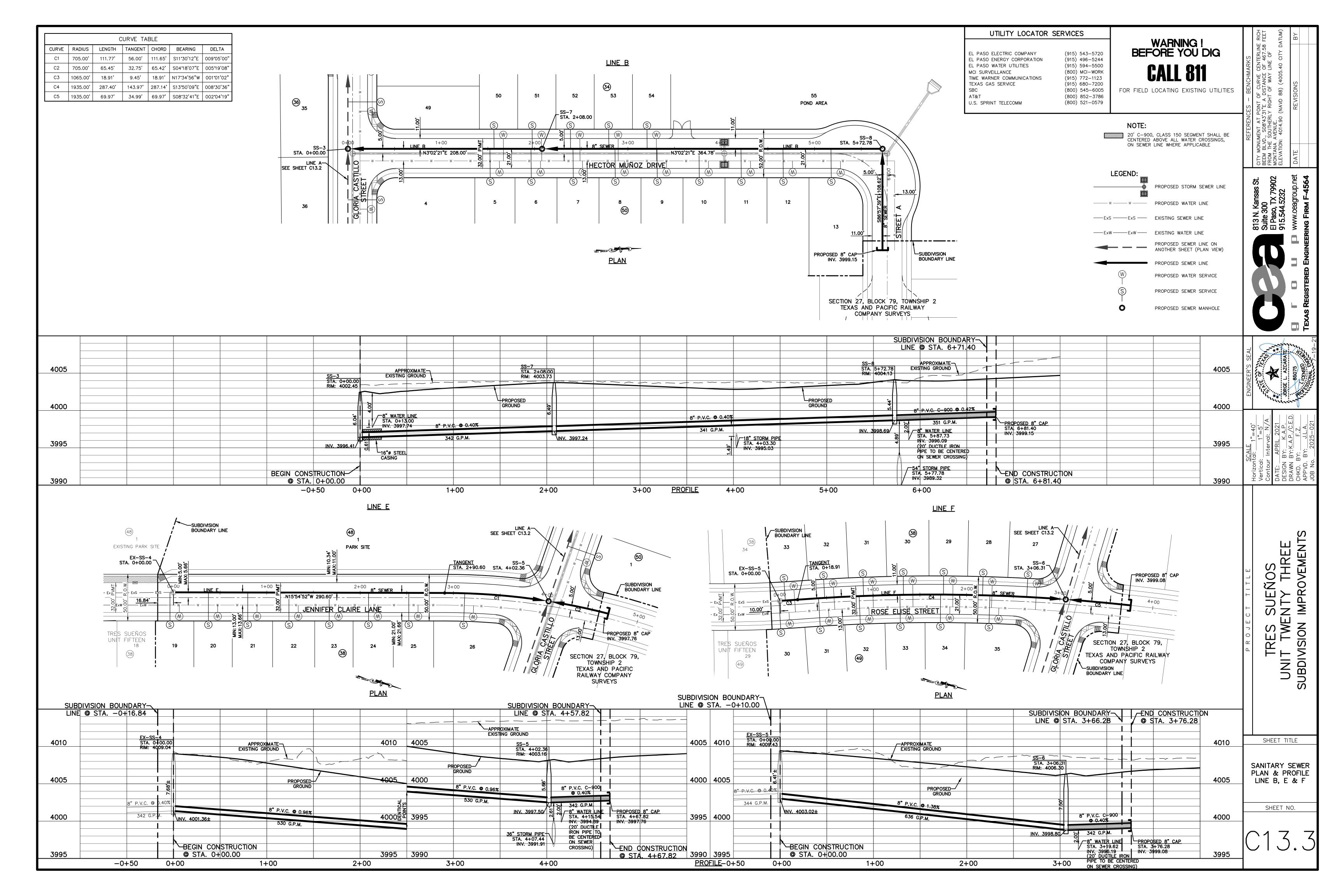
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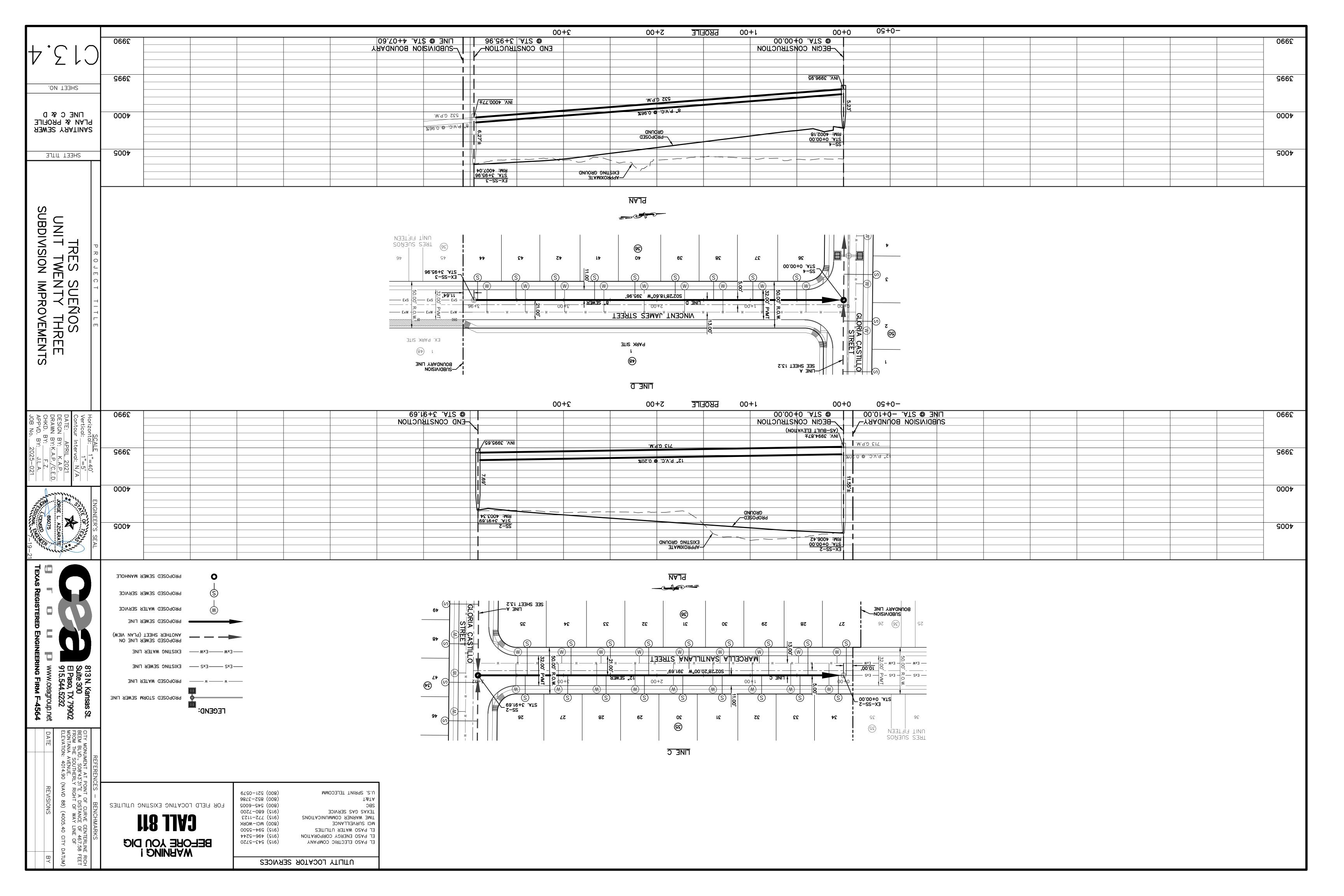
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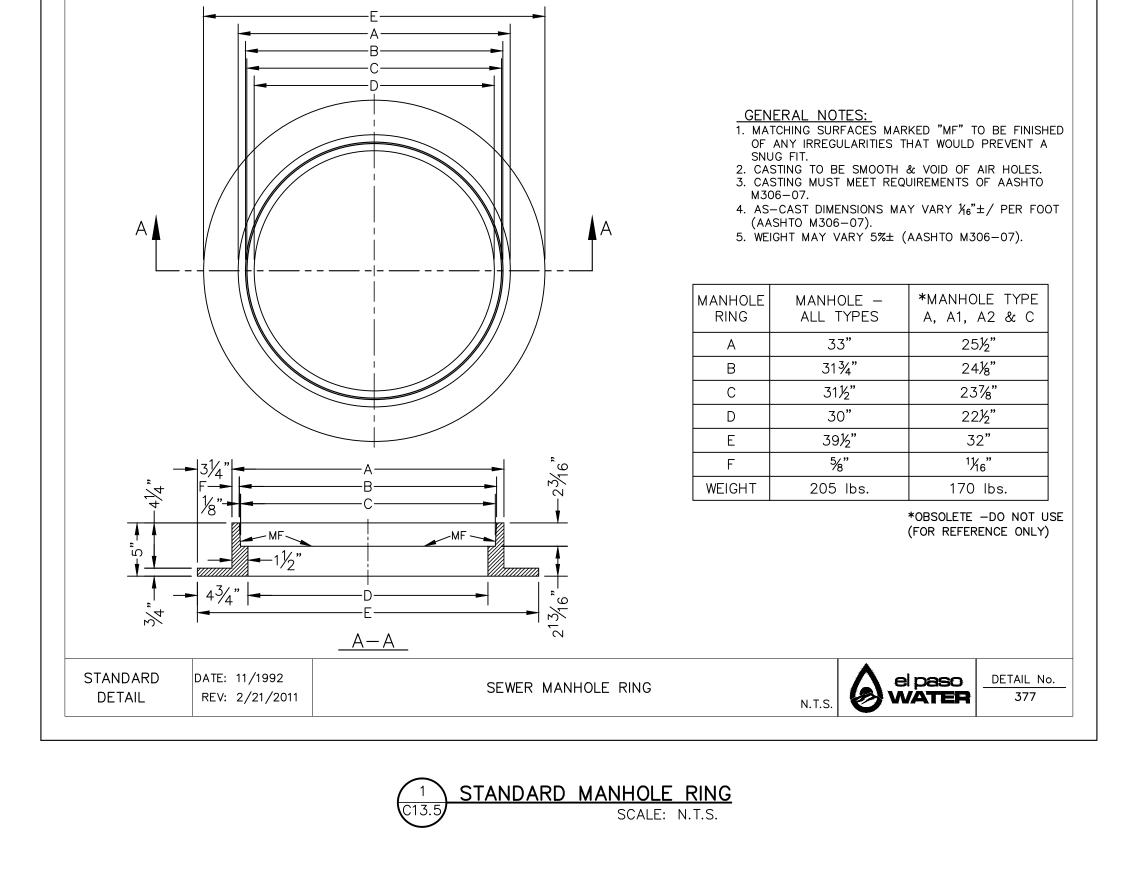
SANITARY SEWER INDEX

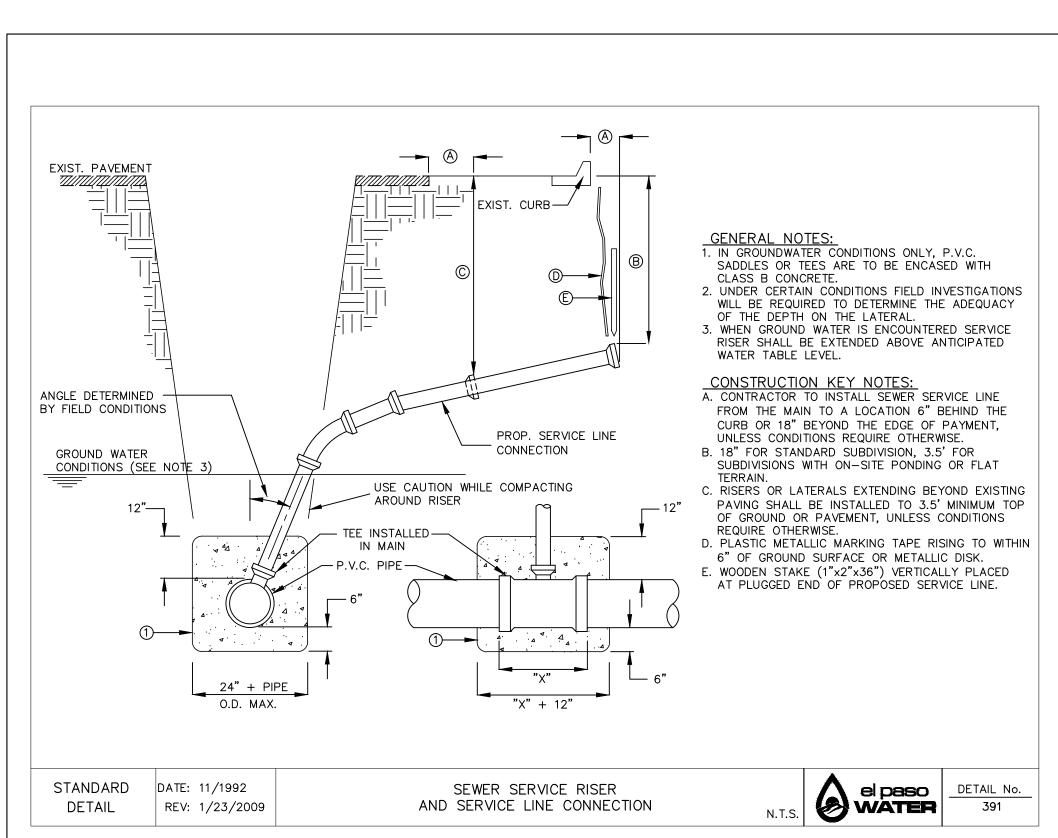
SHEET NO.













EL PASO ELECTRIC COMPANY EL PASO ENERGY CORPORATION EL PASO WATER UTILITIES MCI SURVEILLANCE TIME WARNER COMMUNICATIONS TEXAS GAS SERVICE

U.S. SPRINT TELECOMM

(915) 772-1123 (915) 680-7200

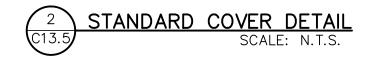
(800) 545-6005 (800) 852-3786 (800) 521-0579

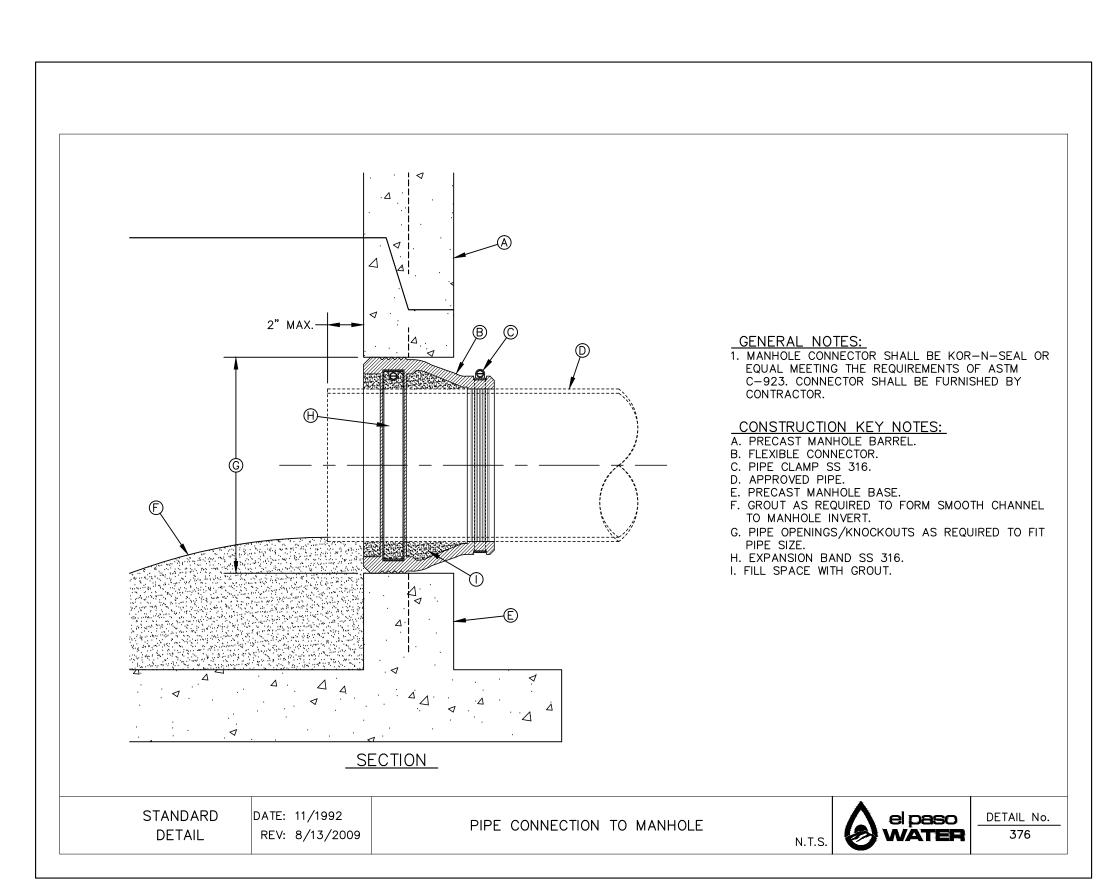
WARNING! BEFORE YOU DIG

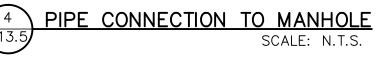
FOR FIELD LOCATING EXISTING UTILITIES

(915) 543-5720 (915) 496-5244 (915) 594-5500 (800) MCI-WORK

1. MATCHING SURFACES MARKED "MF" TO BE FINISHED OF ANY IRREGULARITIES THAT WOULD PREVENT A 2. CASTING TO BE SMOOTH & VOID OF AIR HOLES. 3. CASTING MUST MEET REQUIREMENTS OF AASHTO 4. AS-CAST DIMENSIONS MAY VARY 16"±/ PER FOOT (AASHTO M306-07). 5. WEIGHT MAY VARY 5%± (AASHTO M306-07). CONSTRUCTION KEY NOTES: A. LIFTING NOTCH. B. ¾6" RAISED LETTERING. C. 1" SQUARES (3/6" TALL) WITH 5/8" SPACE BETWEEN. D. REINFORCING RIBS. E. SLOT. BOTTOM VIEW *MANHOLE TYPE |MANHOLE| MANHOLE -COVER ALL TYPES A, A1, A2 & C 31%" 23%" Α В 28%" 20%" С 24%" 16%" D 21%" 14¾" WEIGHT 200 lbs. 165 lbs. *OBSOLETE -DO NOT USE (FOR REFERENCE ONLY) LIFTING NOTCH A-ASTANDARD el paso WATER DATE: 11/1992 SEWER MANHOLE COVER 378 DETAIL REV: 2/21/2011







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SUEÑOS ENTY THREE IMPROVEMENTS SUBDIVISION TRE

SHEET TITLE

SANITARY SEWER **DETAILS**

(SHEET 1 OF 3) SHEET NO.

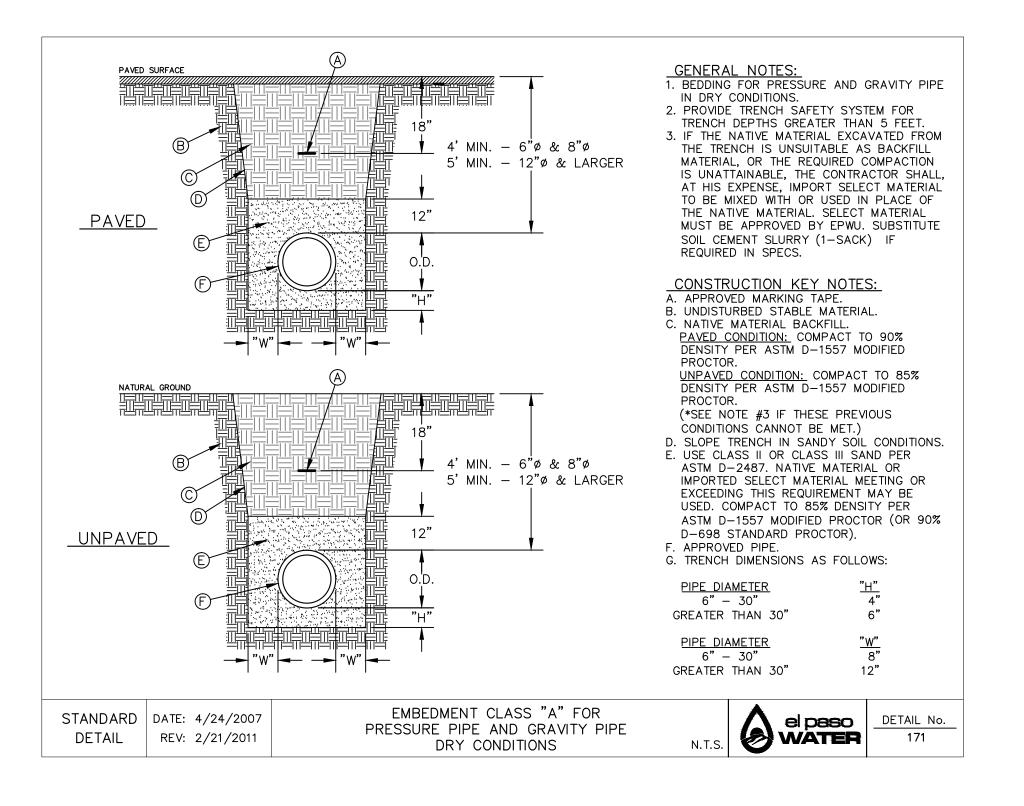
RECLAIMED WATER

SEPARATION DISTANCE-POTABLE WATER, SANITARY SEWER AND RECLAIMED WATER

REV: 3/28/2007

WATER

GENERAL NOTES: 1. MANHOLE TYPE "A1" SHALL BE USED FOR LINES 21" AND SMALLER. NOT TO BE USED IN GROUNDWATER CONDITIONS. 2. PRE-CAST MANHOLE SECTIONS SHALL BE OF REINFORCED CONCRETE CONFORMING TO ASTM → 30" OPENING → C-478 AND SHALL MEET HS-20 LOADING. 2'TALL 3. CEMENT SHALL BE TYPE I-II, PER ASTM C-150, CONICAL SECTION AND MUST CONTAIN A MINIMUM OF 4% FLY ASH OF THE TOTAL MANHOLE WEIGHT. 4. THE BASE SHALL BE CAST IN PLACE CONCRETE (MINIMUM 28 DAY COMPRESSIVE STRENGTH 4000 PSI.) POURED ON UNDISTURBED OR THOROUGHLY COMPACTED SUB-BASE. 5. MANUFACTURER TO PROVIDE LIFTERS OF ADEQUATE SIZE AS NEEDED. 6. THE SUBGRADE UNDER THE BASE SHALL BE 48" DIA. 4', 3', 2' COMPACTED TO 95% DENSITY IN ACCORDANCE WITH OR SECTIONS AS REQUIRED ASTM D-1557. CONSTRUCTION KEY NOTES: A. MANHOLE RING AND COVER (SEE DETAILS 377 & 378). SET FRAME AND COVER FLUSH WITH ROADWAY SURFACE OR FINISHED GRADE (SEE CHANNEL INTO B. ALL JOINTS TO BE TONGUE, GROOVE AND SEALED MAIN FLOW FLAT-BOTTOM WITH RAM-NEK OR APPROVED EQUAL. BARREL C. ON MAINLINE, PIPE IS TO BE LAID THRU AND UPPER HALF CUT OUT. D. PIPE GASKET. E. No. 4 REBARS 8" ON CENTER, BOTH WAYS. F. SEAL ALL AROUND WITH RAM-NEK OR APPROVED CAST IN PLACE BASE STUB-OUTS ـ فـ ر ـ فهر مو <u>ـ 4 ـ 4 ـ . فـ ـ . فـ ـ ـ و ـ ـ ـ و ـ ـ ـ و ـ ـ ـ و ـ ـ ـ و ـ ـ ـ و ـ ـ ـ و ـ ـ ـ و ـ ـ ـ و ـ</u> AS REQUIRED 6" MIN. — <u>SECTION</u> STANDARD DATE: 11/1992 DETAIL No. el paso MANHOLE TYPE "A1" WATER DETAIL | REV: 12/1/2011



UTILITY LOCATOR SERVICES

(915) 543-5720

(915) 496-5244

(915) 594-5500

(800) MCI-WORK

(915) 680-7200

(800) 545-6005 (800) 852-3786 (800) 521-0579

(915) 772-1123

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EL PASO ENERGY CORPORATION

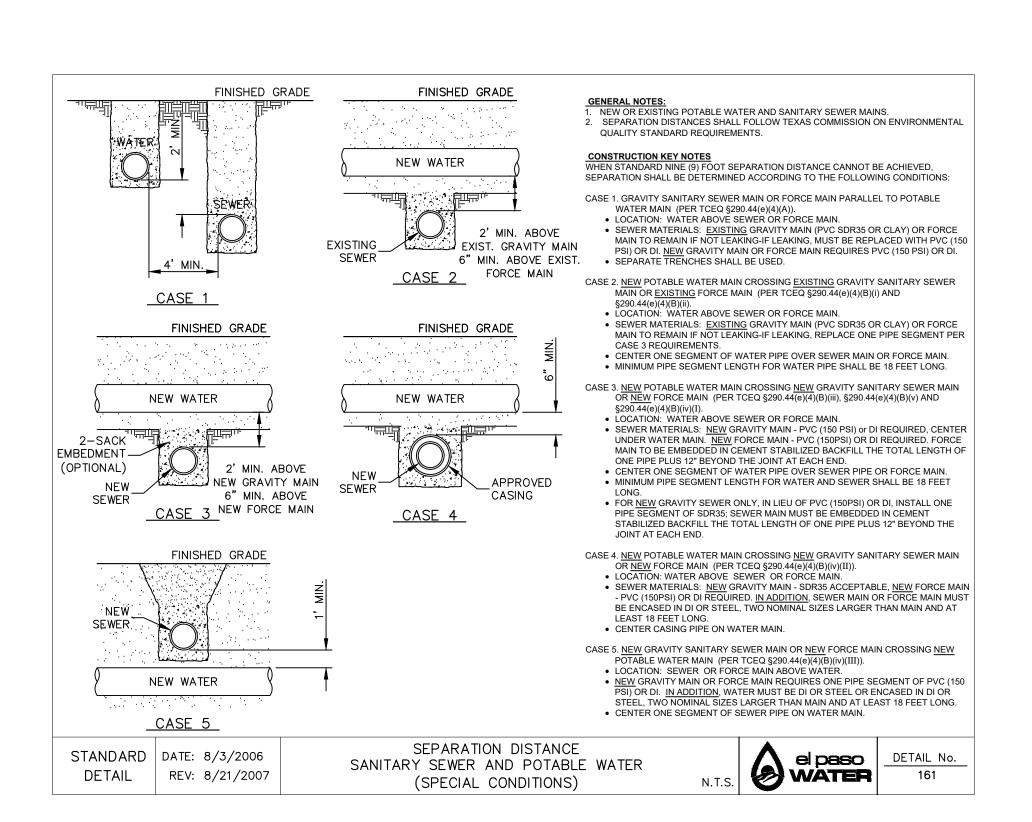
TIME WARNER COMMUNICATIONS

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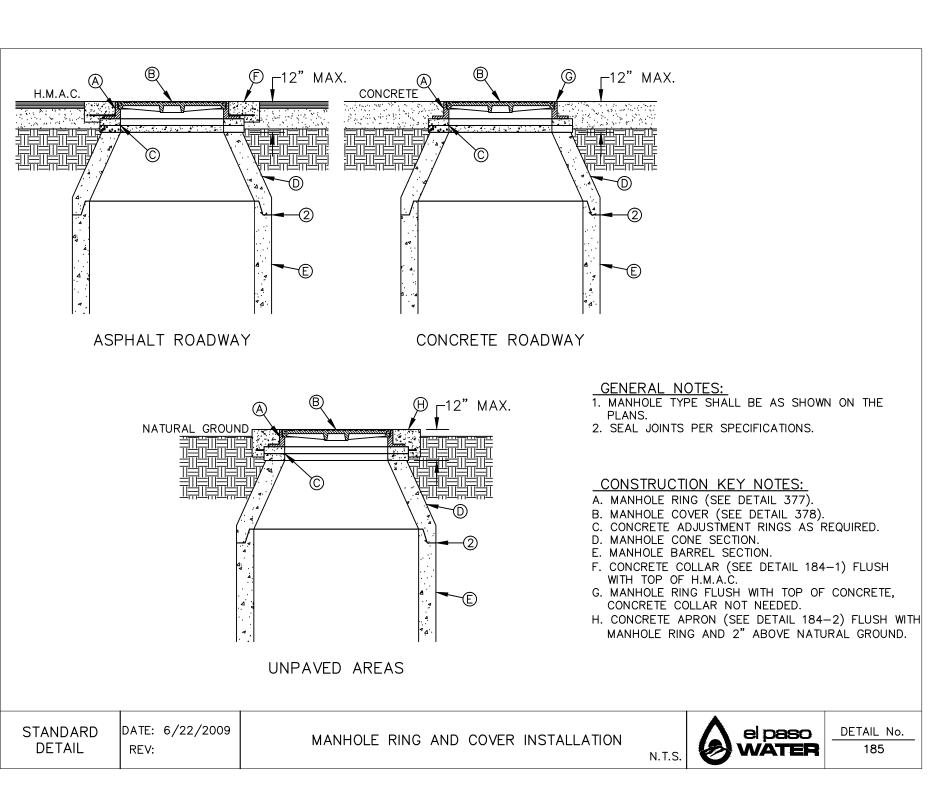
FOR FIELD LOCATING EXISTING UTILITIES

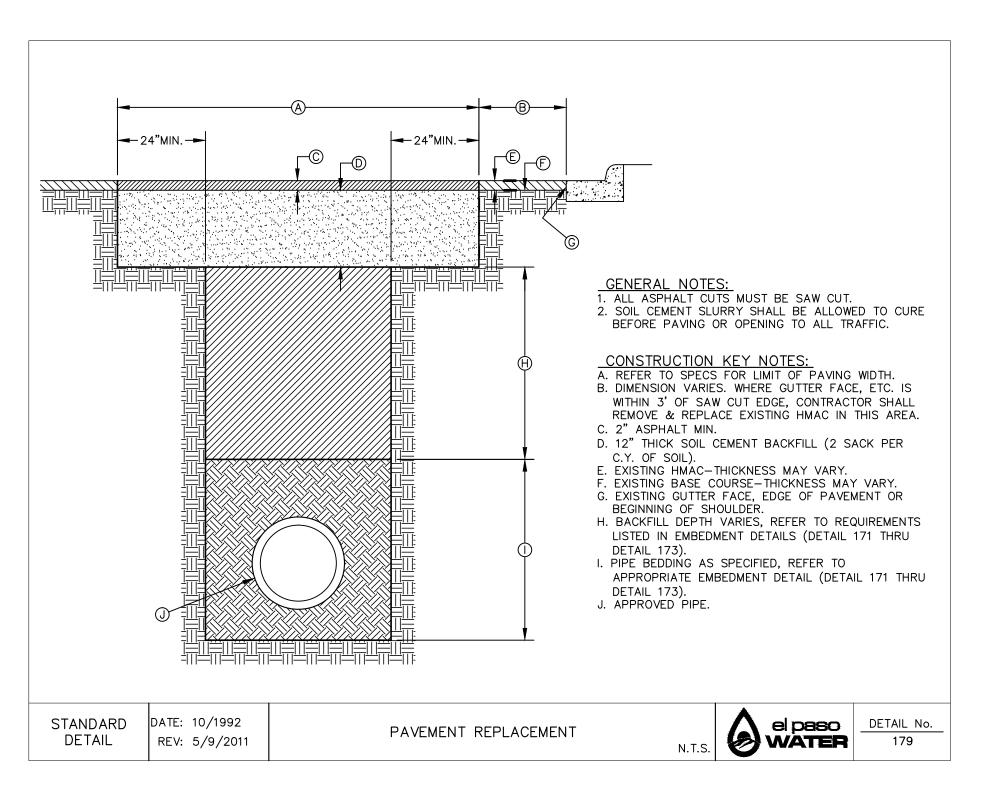
STANDARD MANHOLE TYPE "A1"

BEDDING CLASS DETAILS FOR SCALE: N.T.S.



SEPARATION DISTANCE SANITARY SEWER
AND POTABLE WATER (SPECIAL CONDITIONS)





STANDARD MANHOLE RING AND COVER INSTALLATION DETAIL



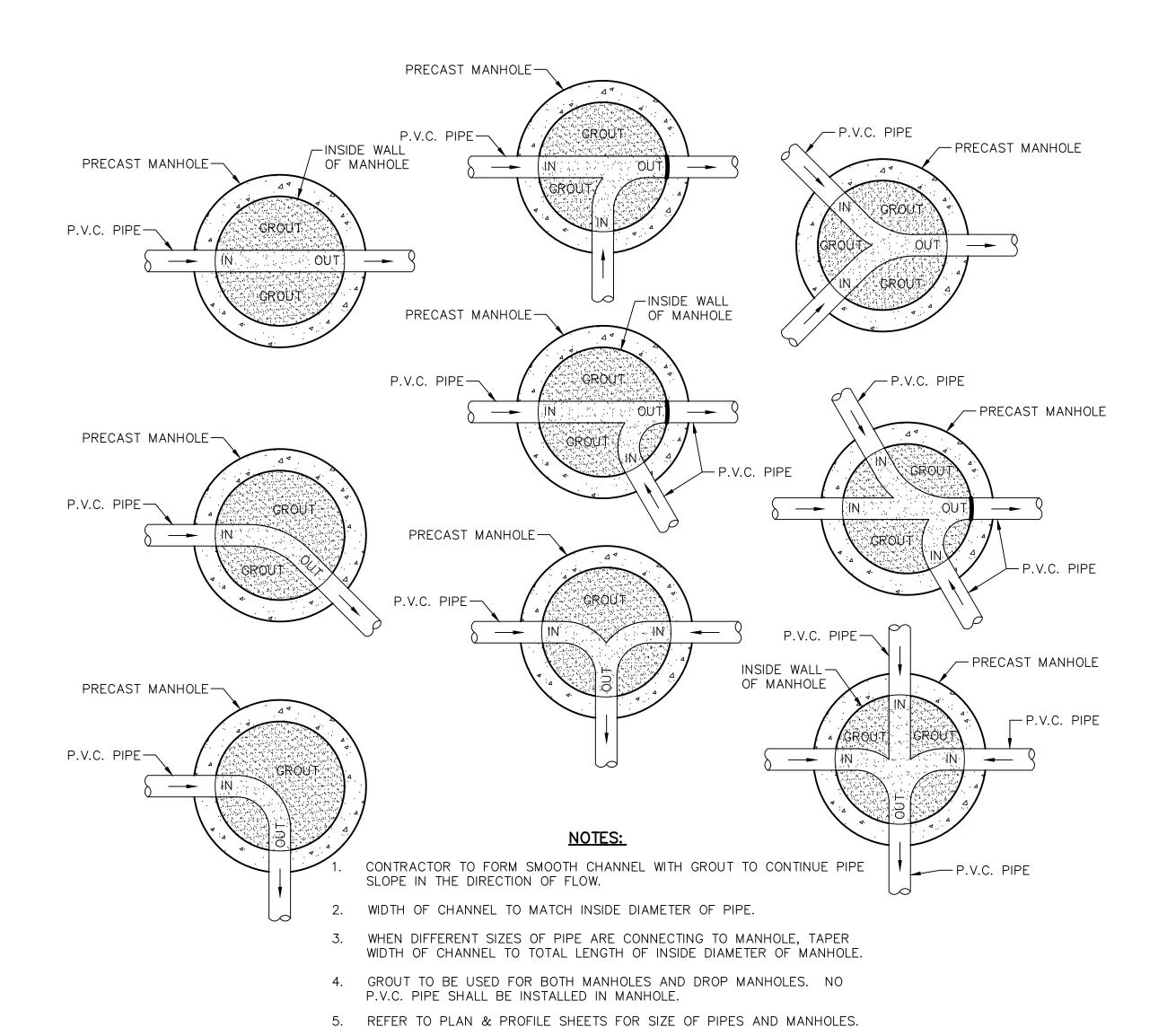
SHEET NO.

INTY THREE IMPROVEMENTS SUEÑO ES T SUBDIVISION TRE

SHEET TITLE

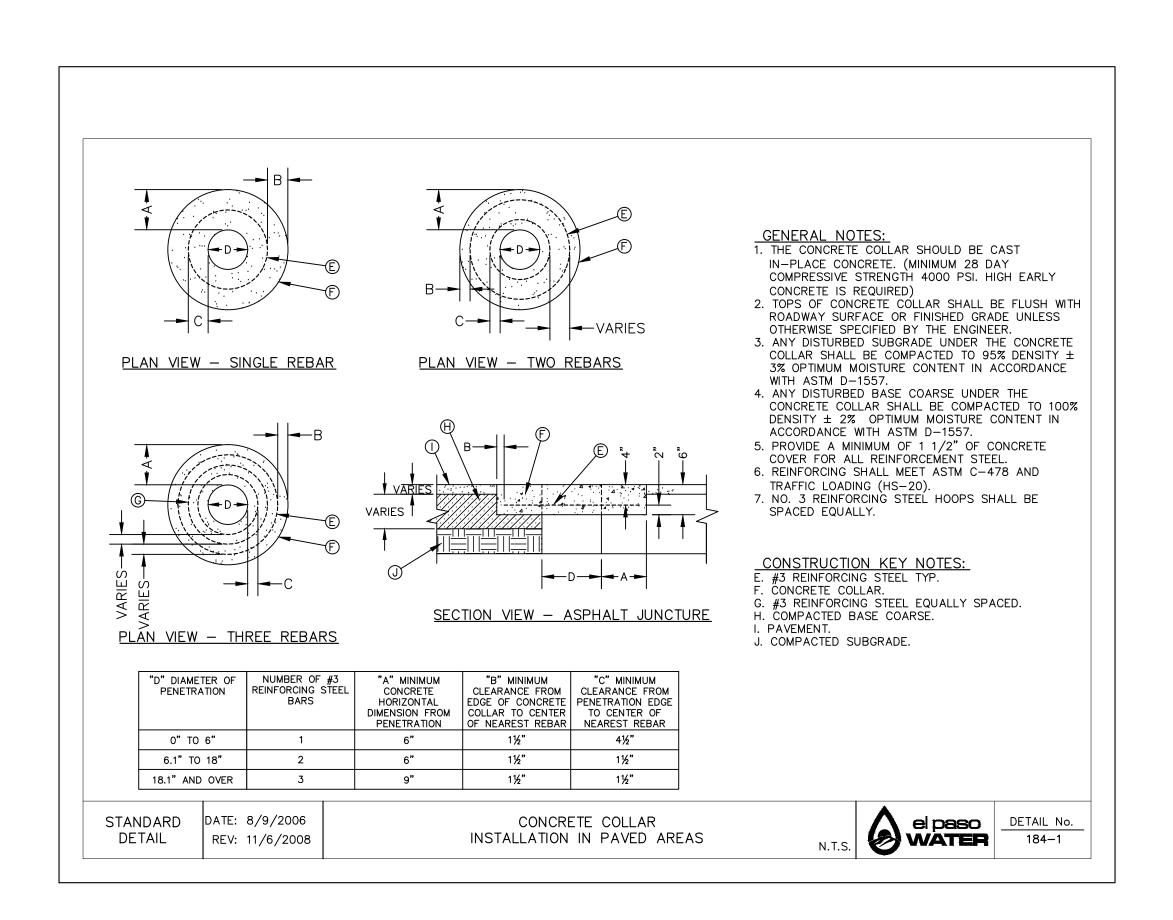
SANITARY SEWER DETAILS

(SHEET 2 OF 3)



TYPICAL MANHOLE INVERT PLANS

SCALE: N.T.S.





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FOR FIELD LOCATING EXISTING UTILITIES

I

UTILITY LOCATOR SERVICES

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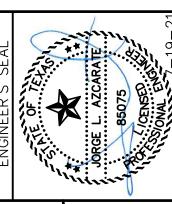
(800) 545-6005 (800) 852-3786 (800) 521-0579 REFERENCES — BENCHMARKS

IY MONUMENT AT POINT OF CURVE CENTE
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NANA AVENUE.

EVATION: 4014.90 (NAVD 88) (4005.40 C

813 N. Kansas St. Suite 300 El Paso, TX 79902 915.544.5232 www.ceagroup.net

TEXAS REGISTERED ENGINEERI



Sontour Interval: N/A

NATE: APRIL 2021

SESIGN BY: K.A.P.

NRAWN BY: K.A.P./C.E.D.

CHKD. BY: J.L.A.

TRES SUEÑOS UNIT TWENTY THREE SUBDIVISION IMPROVEMENTS

SHEET TITLE

SANITARY SEWER DETAILS

(SHEET 3 OF 3)
SHEET NO.

7137

STORM SEWER INFRASTRUCTURE AND ULTIMATELY DISCHARGE INTO ON-SITE RETENTION BASIN. NAME OF RECEIVING WATERS: TRES SUEÑOS UNIT TWENTY THREE SUBDIVISION WILL DISCHARGE INTO ON-SITE LOAM SUBSOIL AND ARE MODERATELY DEEP OVER CALICHE; IN THE HUECO BOLSOM. HUECO-WINK ASSOCIATION. THE SOIL IS NEARLY LEVEL AND GENTLY SLOPING SOILS THAT HAVE A FINE SANDY COVER AND % OF EXISTING VEGETATIVE COVER: THE PROJECT SITE IS LOCATED IN THE VICINITY OF THE EXISTING CONDITION OF SOIL AND VEGETATIVE (AFTER CONSTRUCTION): WEIGHTED RUNOFF COEFFICIENT TOTAL AREA TO BE DISTURBED: 18.22± TOTAL PROJECT AREA: 18.22± SKUBBING, GRADING FOR BUILDING PAD ELEVATIONS, CONSTRUCTION OF STREETS AND EXCAVATION FOR UTILITES. MAJOR SOIL DISTURBING ACTIVITIES: MAJOR SOIL DISTURBING ACTIVITIES WILL CONSIST OF CLEARING AND SURROUNDINGS. EXISTING RUNOFF IS TO THE SOUTH. EXISTING CONDITIONS: THE SITE IS CLEAR OF SITE IMPROVEMENTS AND IS COVERED WITH ITS NATURAL AND WILL CONTAIN A TOTAL OF 96 RESIDENTIAL LOTS, ONE POND AREA AND ONE PARK SITE PROJECT DESCRIPTION: THE SITE FOR THE NEW SUBDIVISION WILL ENCOMPASS APPROXIMATELY 18.22 + ACRES, COUNTY, TEXAS. TO THE SOUTH AND EAST IS TRES SUEÑOS UNIT FIFTEEN. BLOCK 79, TOWNSHIP 2, TEXAS AND PACIFIC RAILROAD COMPANY SURVEYS, CITY OF EL PASO, EL PASO PROJECT NAME AND LIMITS: TRES SUEÑOS UNIT TWENTY THREE IS BORDERED BY A PORTION OF SECTION 27,

SITE DESCRIPTION

STORM WATER RUNOFF. NATURAL SPRING, AND/OR AGRICULTURAL LAWN WATERING, LANDSCAPE IRRIGATION, THE DISCHARGE RESULTING FROM FIREFIGHTING, MAY COUSIST OF, BUT ARE NOT LIMITED TO, ORDINANCE. NON-STORMWATER DISCHARGES STORM DRAIN POLLUTION CONTROL PLAN REQUIREMENTS) OF THE CITY OF EL PASO 15.20.090 (SPECIFIC PROHIBITIONS AND WITH 15.20.080 (GENERAL PROHIBITION) AND NON-STORMWATER DISCHARGE SHALL COMPLY 4. ALLOWABLE STORM WATER AND

BY THE CITY OF EL PASO AND TCEQ. SUBMIT ALL REGULATORY FORMS AND

CONSTRUCTION PERIOD. SITE AT ALL TIMES THROUGHOUT THE PASO-ENGINEERING DEPARTMENT. UPON ITEMS. THE SWPPP PROJECT MANUAL IS SHALL BE SUBSIDIARY TO THE SWPP BEST STATE AND LOCAL REGULATIONS. THIS ITEM CONTRACTOR IN COMPLIANCE WITH FEDERAL, AND RESPONSIBILITIES OF THE GENERAL

DKINEWAYS OR DRIVING LANES.

4. COMPLETE STREET AND LOT GRADING;

2. PERFORM CLEARING AND GRUBBING;

NARRATIVE - SEQUENCE OF CONSTRUCTION (STORM WATER MANAGEMENT) ACTIVITIES:

3. EXCAVATION FOR UTILITIES;

VEGETATED SWALES & NATURAL DEPRESSIONS

TIMBER MATTING AT CONSTRUCTION EXIT

ROCK BEDDING AT CONSTRUCTION EXIT

DIVERSION DIKE AND SWALE COMBINATION

DIVERSION, INTERCEPTOR, OR PERIMETER SWALES

DIVERSION, INTERCEPTOR, OR PERIMETER DIKES

PRESERVATION OF NATURAL RESOURCES

PERMANENT PLANTING, SODDING, OR SEEDING

EROSION AND SEDIMENT CONTROL

VELOCITY CONTROL DEVICES

ZNIAAD MAOTZ X

ZEDIWENT BASINS

SEDIMENT TRAPS

CHVNNET CINEBS

CONCRETE FLUMES

PIPE SLOPE DRAINS

BOCK BEBWS

Salar HAY BALES

SIFT FENCES

BOLLER ZONES

MOLCHING

SOIL STABILIZATION PRACTICES

SOIL RETENTION BLANKET

TEMPORARY SEEDING

STRUCTURAL PRACTICES:

X CURBS AND GUTTERS

STONE OUTLET STRUCTURES

STORM INLET SEDIMENT TRAP

SWPPP GENERAL NOTES:

EARTHEN BERM, AND STABILIZED CONSTRUCTION ENTRANCE);

6. WHEN ALL CONSTRUCTION ACTIVITY RELATED IN DEVELOPMENT OF THE SITE IS

1. INSTALL TEMPORARY EROSION AND SEDIMENT CONTROLS (e.g. SILT FENCE AND OR

COMPLETE, REMOVE TEMPORARY CONTROLS IN 1. ABOVE.

5. CONSTRUCTION OF SUBDIVISION IMPROVEMENTS; AND,

NOT, SDPCP, AND ANY OTHER FORM REQUIRED MANUAL, INCLUDING, BUT NOT LIMITED TO; NOI, APPLICATIONS, AS PROVIDED IN THE SWPPP 3. THE CONTRACTOR SHALL COMPLETE AND

MAINTAIN THIS MANUAL AT THE CONSTRUCTION AN SWPPP MANUAL. THE CONTRACTOR SHALL SELECTION, THE CONTRACTOR WILL BE PROVIDED AVAILABLE FOR REVIEWING AT THE CITY OF EL MANAGEMENT PRACTICES (COMPLETE IN PLACE) 2. THE SWPPP MANUAL IDENTIFIES THE DUTIES

AS NECESSARY TO PREVENT THE BLOCKING OF 1. PLACEMENT OF SILT FENCE SHALL BE ADJUSTED

EKOSION: KEROSENE; ANTIFREEZE/COOLANT; AND OIL/FLUIDS; ;GASOLINE; DIESEL FUEL; CONSTRUCTION EQUIPMENT WASHING; HYDRAULIC CURING COMPOUNDS; WASTEWATER FROM ASPHALT; CONCRETE; GLUE/ADHESIVE; PAINTS; CONSTRUCTION SITE STORM WATER POLLUTANTS: 7. THE FOLLOWING IS A LIST OF POTENTIAL

AND, ALL UNDISTURBED AREAS. AREAS; CONCRETE LOADING/UNLOADING AREAS; CONSTRUCTION; ASPHALT LOADING/UNLOADING ENTRANCE AND ASPHALT PARKING AREA AND GRADED AREAS; CONSTRUCTION SITE POTENTIAL CONTAMINATION SOURCES: CLEARED 6. THE FOLLOWING HAVE BEEN IDENTIFIED AS

RUNOFF QUANTITIES (Q). INFORMATION ON WATERSHED AREAS AND 5. REFER TO DRAINAGE PLAN, FOR DETAILED

- STABILIZED CONSTRUCTION ENTRANCE

- EXCESS DIRT ON ROAD SHALL BE REMOVED IMMEDIATELY

- LOADED HAUL TRUCKS SHALL BE COVERED WITH TARPAULIN - HAUL ROADS SHALL BE DAMPENED FOR DUST CONTROL

OBSERVED DURING CONSTRUCTION:

IN ADDITION TO THE STABILIZED CONSTRUCTION ENTRANCES, THE FOLLOWING MEASURES SHALL BE

OFFSITE VEHICLE TRACKING:

OF THE FINISHED WORK.

DEBRIS OR OTHER OBSTRUCTIONS PLACED DURING CONSTRUCTION OPERATIONS THAT ARE NOT A PART AS PRACTICABLE OF TEMPORARY EMBANKMENT, TEMPORARY BRIDGES, MATTING, FALSEWORK, PILING MANNER TO MINIMIZE THE RUNOFF OF POLLUTANTS. ALL WATERWAYS SHALL BE CLEANED AS SOON AREAS AND VEHICLE MAINTENANCE AREAS SHALL BE CONSTRUCTED BY THE CONTRACTOR IN A AREAS SHALL NOT BE LOCATED IN ANY WETLAND, WATERBODY OR STREAMBED. CONSTRUCTION STACING MINIMIZE AND CONTROL THE AMOUNT OF SEDIMENT THAT MAY ENTER RECEIVING WATERS, DISPOSAL DISPOSAL AREAS, STOCKPILES, AND HAUL ROADS SHALL BE CONSTRUCTED IN A MANNER THAT WILL **KEMARKS:**

PROCEDURES SHALL BE INSPECTED FOR ADEQUACY.

WILL BE CONDUCTED MONTHLY, BEST MANAGEMENT PRACTICES AND POLLUTION CONTROL OF 0.5 INCHES OR MORE. INSPECTION IN FINAL STABILIZED AREAS OR DURING ARID PERIODS WITHIN 24-HOURS PRIOR TO ANTICIPATED STORM EVENT AND FOLLOWING A STORM EVENT ALL POLLUTION PREVENTION MEASURES SHALL BE INSPECTED AT LEAST ONCE A MONTH OR

- F. MEASURES SHALL BE TAKEN TO PREVENT A SPILL FROM REOCCURRING
- MAINTENANCE AND INSPECTION PROCEDURES:

 - E. ANY SPILL SHALL BE REPORTED TO THE APPROPRIATE GOVERNMENTAL AGENCY

SPILL CONTROL PRACTICES:

- D. SPILL AREA SHALL BE WELL VENTILATED AND APPROPRIATE CLOTHING WILL
 - C. ALL SPILLS SHALL BE CLEANED UP IMMEDIATELY AFTER DISCOVERY
 - MATERIAL STORAGE AREA ON-SITE:
- B. MATERIALS AND EQUIPMENT NECESSARY FOR CLEANUP SHALL BE KEPT IN THE POSTED AND SITE PERSONNEL SHALL BE MADE AWARE OF THE PROCEDURES:
- A. MANUFACTURER'S RECOMMENDED METHODS FOR SPILL CLEANUP SHALL BE CLEARLY

USED ON-SITE SHALL BE APPLIED ACCORDING TO THE MANUFACTURER'S RECOMMENDATION. IN TICHTLY SEALED CONTAINERS WHICH ARE CLEARLY LABELED. ANY ASPHALT SUBSTANCES MAINTENANCE TO REDUCE THE CHANCE OF LEAKAGE, PETROLEUM PRODUCTS SHALL BE STORED ALL ON-SITE VEHICLES SHALL BE MONITORED FOR LEAKS AND RECEIVE REGULAR PREVENTIVE PETROLEUM PRODUCTS:

- OR LOCAL & STATE RECOMMENDED METHODS C. DISPOSE SURPLUS PRODUCT IN ACCORDANCE WITH MANUFACTURER'S
- SAFETY DATA SHEETS (MSDS) RETAIN ORIGINAL LABELS, PRODUCT INFORMATION AND MATERIAL
- A. KEEP PRODUCTS IN THEIR ORIGINAL CONTAINER IF AT ALL POSSIBLE
 - PRACTICES USED TO REDUCE RISKS:
- HAZARDOUS PRODUCTS:
- F. FOLLOW MANUFACTURER'S RECOMMENDATIONS FOR PROPER USE AND DISPOSAL
- E. USE ENTIRE CONTENTS OF A PRODUCT BEFORE DISPOSING THE CONTAINER RECOMMENDED BY THE MANUFACTURER
 - D. DO NOT MIX SUBSTANCES WITH ONE ANOTHER, UNLESS OTHERWISE
 - C. KEEP PRODUCTS IN THEIR ORIGINAL CONTAINER
 - B. NEATLY STORE MATERIALS ON-SITE IN AN ORDERLY MANNER
 - A. STORE ONLY ENOUGH PRODUCTS REQUIRED TO DO THE JOB

COOD HONZEKEEPING:

EXPOSURES OF MATERIALS TO STORM WATER RUNOFF. THE FOLLOWING PRACTICES SHALL BE USED TO REDUCE THE RISK OF SPILLS OR OTHER ACCIDENTAL

SPILL PREVENTION:

CONTRACTOR. ALL WASTE MATERIAL SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. OR AS REQUIRED, CHAPTER 18.08 (BUILDING CODE), BY A LICENSED SANITARY WASTE MANAGEMENT ALL SANITARY WASTE SHALL BE COLLECTED FROM THE CONSTRUCTION PORTABLE UNITS AS NECESSARY

SANITARY WASTE:

THE FIRE DEPT. AND TURCC. SPILL WHICH MAY BE HAZARDOUS, THE CONTRACTOR SHALL TAKE IMMEDIATE ACTION AND CONTACT ADDITIVES FOR SPILL STABILIZATION, CURING COMPOUNDS AND ADDITIVES. IN THE EVENT OF A PAINT, ACIDS FOR CLEANING MASONRY SURFACES, CLEANING SOLVENTS, ASPHALT PRODUCTS, CHEMICAL

AT A MINIMUM, ANY PRODUCTS IN THE FOLLOWING CATEGORIES SHALL BE CONSIDERED HAZARDOUS:

HAZARDOUS WASTE:

SHALL BE HAULED TO A LICENSED LANDFILL. AS NECESSARY OR AS REQUIRED BY ORDINANCE 9.04 (SOLID WASTE MANAGEMENT) AND THE TRASH AND REMOVAL OF WASTE MATERIALS DURING CONSTRUCTION). THE DUMPSTER SHALL BE EMPTIED BURIED ON SITE. THE TRANSIT DUMPSTER SHALL COMPLY WITH ORDINANCE 18.52.010 (ENCLOSURE IN A SECURELY LIDDED METAL DUMPSTER. NO CONSTRUCTION WASTE MATERIAL SHALL BE ALL WASTE MATERIALS, INCLUDING CONSTRUCTION DEBRIS, SHALL BE COLLECTED AND STORED

WASTE MATERIALS:

- TERMINATION AND FINAL STABILIZATION OF PROJECT. 5. PERIMETER MUST RETAIN THE SWPS NOI AND INSPECTION LOG FOR A MINIMUM OF 3 YEARS FROM THE
 - 4. COPY OF SWPPP SHALL BE KEPT ON SITE.
 - 3. CONSTRUCTION SITE NOTICE WILL BE MAINTAIN ON SITE.
- STRUCTURAL CONTROLS, MATERIAL STORAGE AREAS, VEHICLES ENTRANCE AND EXITS: ACTIONS TAKEN 5. DOCUMENTATION OF MAINTENANCE ACTIVITIES INCLUDING FREQUENCY, LOT DESIGNATION, INSPECTION OF
- STRUCTURAL MEASURES SHALL BE MAINTAINED THROUGHOUT THE LIFE OF THE PROJECT IN EFFECTIVE

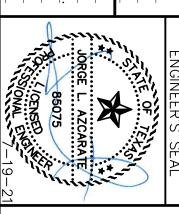
BEST MANAGEMENT PRACTICES CONTROLS

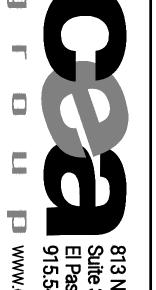
SHEET NO.

GENERAL NOTES PREVENTION PLAN: POLLUTION STORM WATER

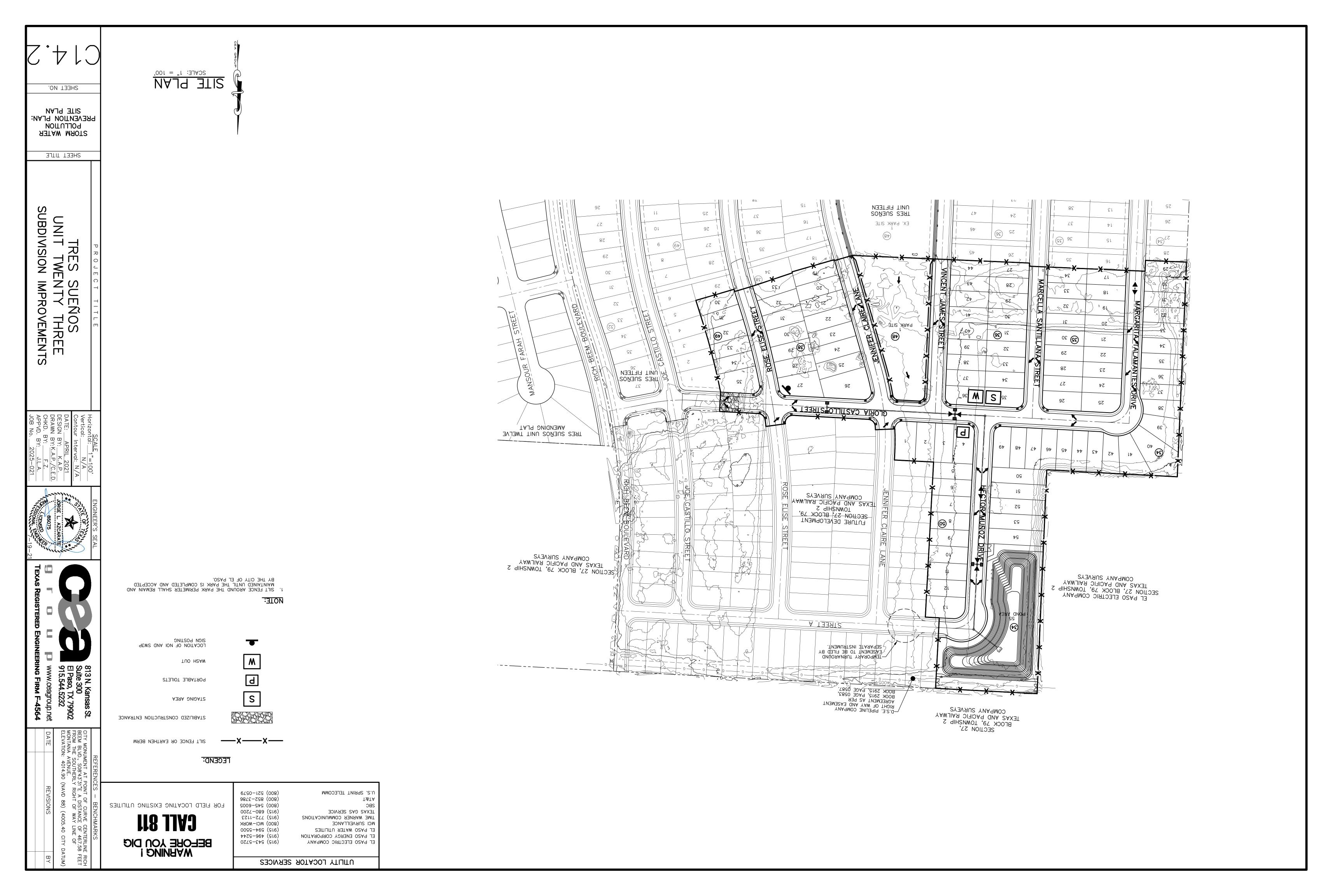
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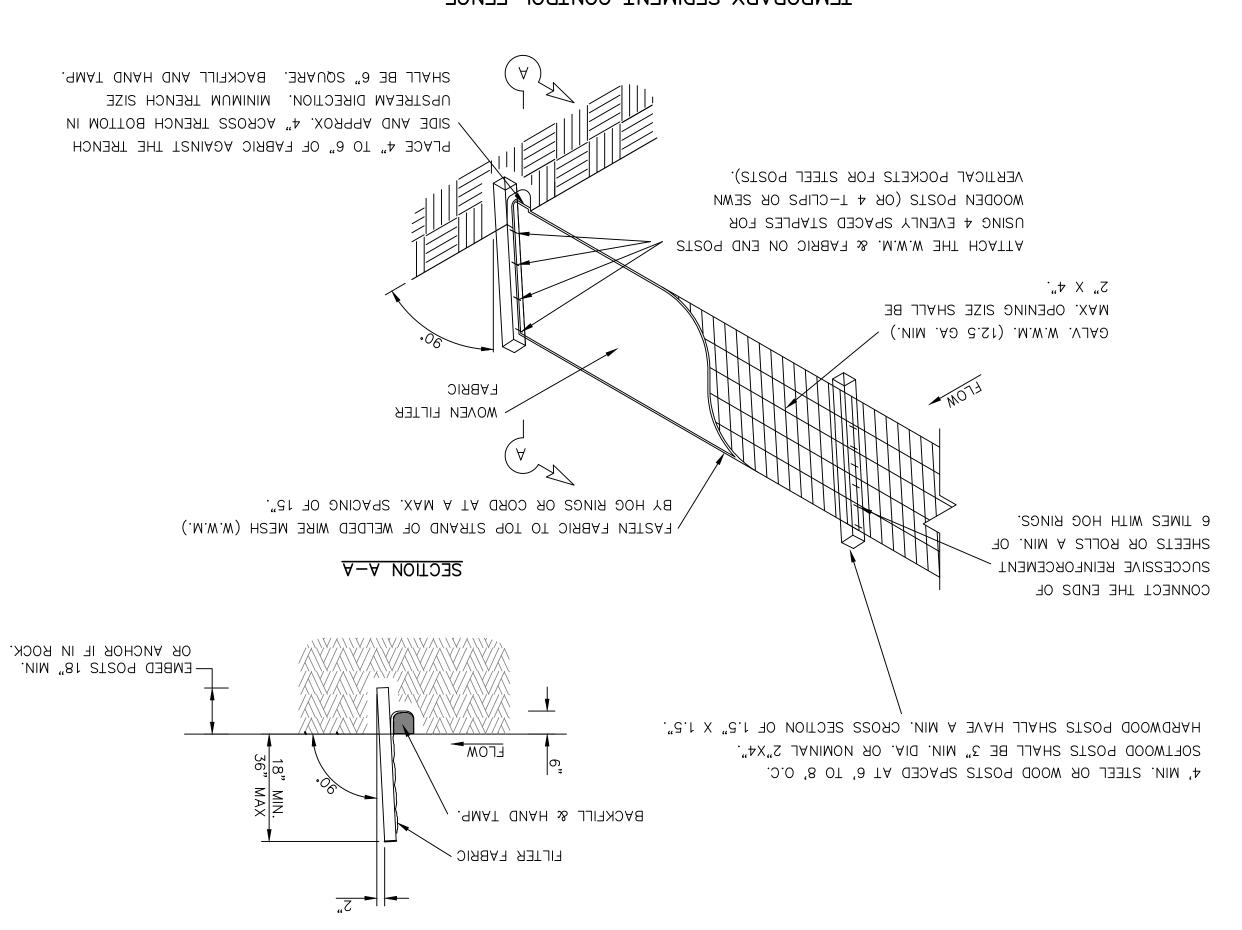


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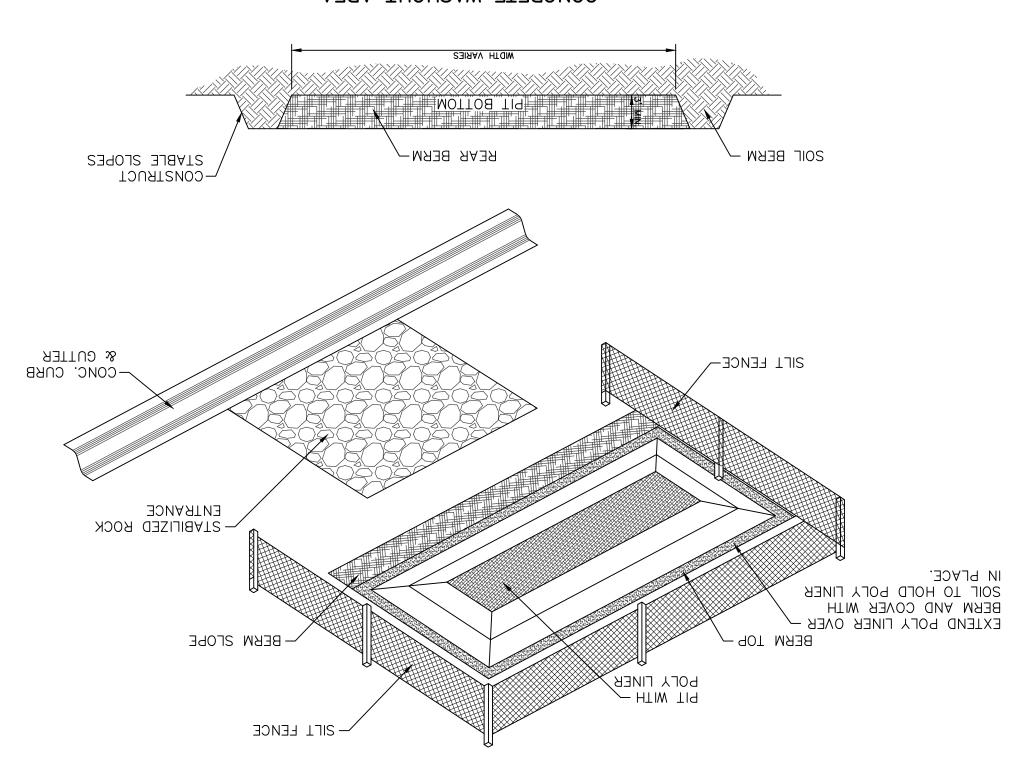


TEMPORARY INLET PROTECTION 2. INSPECT BARRIERS AND REMOVE SEDIMENT AFTER EACH STORM EVENT. REMOVED FROM THE TRAVELED WAY IMMEDIATELY. (B) SECTION 1. PLACE CURB TYPE SEDIMENT BARRIERS, ON GENTLY SLOPING STREET SEGMENTS, WHERE WATER CAN POND AND ALLOW SEDIMENT TO SEPARATE FROM RUNOFF. NISAB CATCH **CENERAL NOTES:** SIDEMALK BALED HAY PLACED TO— PROTECT INLET **DLAN VIEW** YAH HTIW YAH HTIW BETWEEN BALES BETWEEN BALES — LIFF AOIDS — -LIFF VOIDS BALED HAY PLACED TO PROTECT INLET BALED HAY PLACED TO — PROTECT INLET CURB & GUTTER CURB & GUTTER ─BACK OF CURB — CURB INLET M.O.R R.O.W. BACK OF SIDEWALK~

TEMPORARY SEDIMENT CONTROL FENCE



CONCRETE WASHOUT AREA



CONSTRUCTION EXIT (TYPE 1)

- BE MODIFIED BY THE ENGINEER.
- 6. THE GUIDELINES SHOWN HEREON ARE SUGGESTIONS ONLY AND MAY
- 5. THE CONSTRUCTION EXIT SHALL BE GRADED TO ALLOW DRAINAGE TO A
- AS APPROVED BY THE ENGINEER.

 AS APPROVED BY THE ENGINEER.
- 4. THE CONSTRUCTION EXIT FOUNDATION COURSE SHALL BE FLEXIBLE BASE,

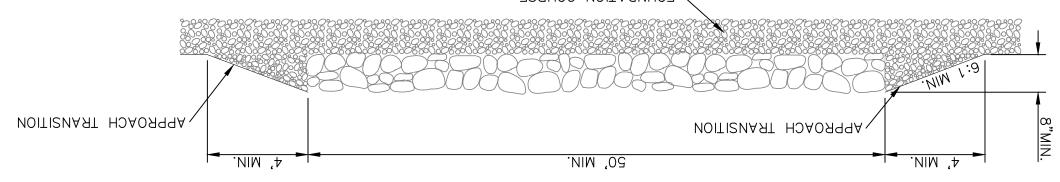
CONSTRUCTED AS DIRECTED BY THE ENGINEER.

- 3. THE APPROACH TRANSITIONS SHOULD BE NO STEEPER THAN 6:1 AND
- 2. THE COARSE AGGREGATE SHOULD BE OPEN GRADED WITH A SIZE OF 4" TO 8".
 - 1. THE LENGTH OF THE TYPE 1 CONSTRUCTION EXIT SHALL BE AS

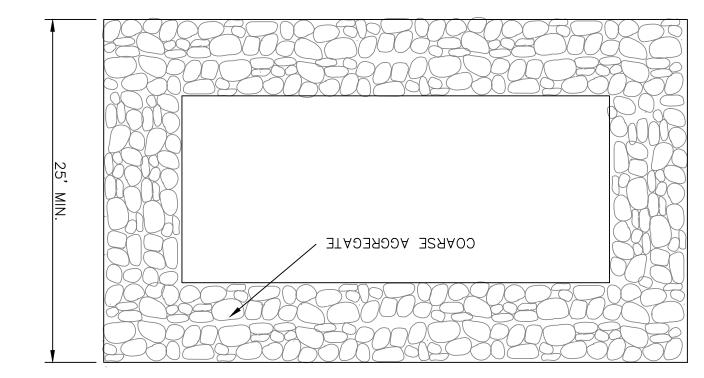
INDICATED ON THE PLANS, BUT NOT LESS THAN 50'.

GENERAL NOTES

EVOUNDATION COURSE PROUPER COURSE



<u>PLAN</u>



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SHEEL NO.

STORM WATER POLLUTION PREVENTION PLAN: DETAILS

SHEET TITLE

TRES SUEÑOS UNIT TWENTY THREE SUBDIVISION IMPROVEMENTS

Horizontal: N/A

Vertical: N/A

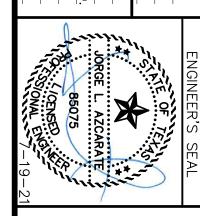
Contour Interval: N/A

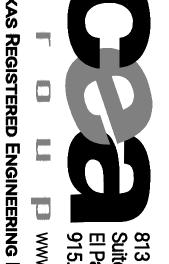
DATE: APRIL 2021

DESIGN BY: K.A.P./C.E.

CHKD. BY: F.Z.

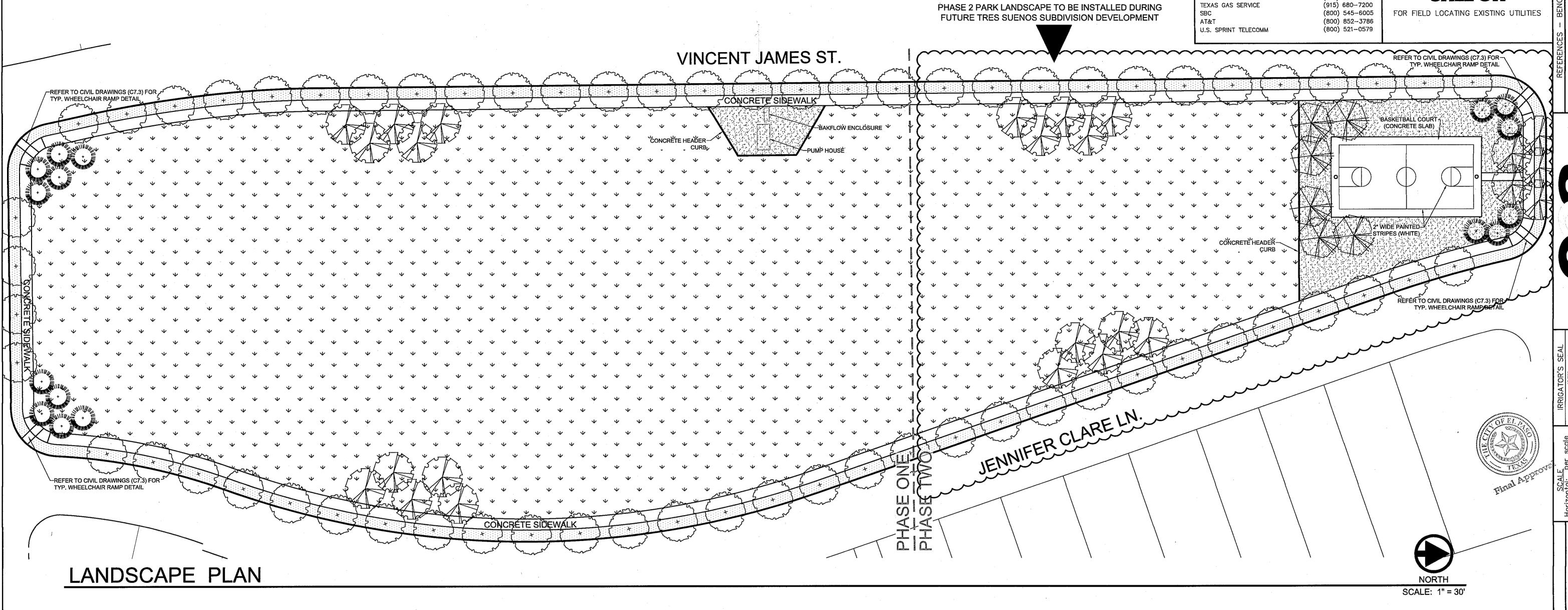
APPVD. BY: J.L.A.

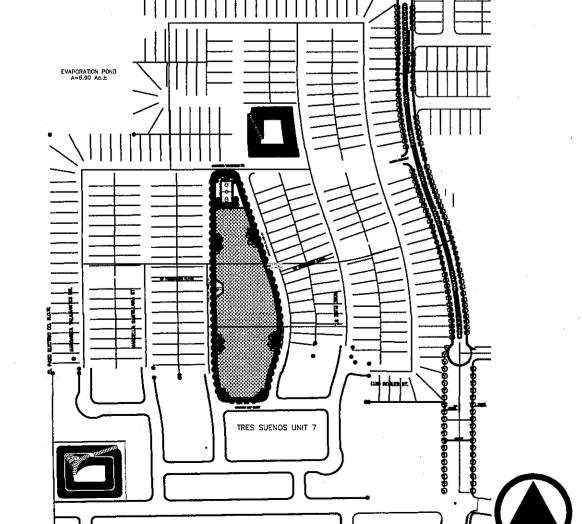




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NEERING FIRM F-4564	www.ceagroup.net	813 N. Kansas St. Suite 300 El Paso, TX 79902 915.544.5232
564	p.net	s St.
	DA	CIT) BEE FRC MON ELE

2	<u>e</u>	92 St	?
	DATE	CITY MONUMENT A: BEEM BLVD., SO8'4 FROM THE SOUTHE MONTANA AVENUE. ELEVATION: 4014.9	
	REVISIONS	T POINT OF CURVE CENTERLINE 3'31"E A DISTANCE OF 467.58 RLY RIGHT OF WAY LINE OF 0 (NAVD 88) (4005.40 CITY DA	REFERENCES - BENCHMARKS
		l ´ı ¬¬¬	I





SCALE: 1" = 400'

LOCATION MAP

PLAN NOTES

- CONTRACTOR TO FOLLOW ALL PLANS, NOTES (L-6), AND ACCOMPANYING CIVIL ENGINEERING PLANS.
- CONTRACTOR TO FOLLOW ALL ADAAG & TAS RULES AND REGULATIONS, AND IS RESPONSIBLE FOR COMPLETION OF LICENSED INSPECTION.
- CONTRACTOR TO OBTAIN ALL PERMITS REQUIRED FOR CONSTRUCTION.
- ALL UTILITIES TO BE PLACED UNDERNEATH THE PROPOSED 7' WIDE SIDEWALK OR AS CLOSE AS POSSIBLE TO THE CURB AND GUTTER TO AVOID FUTURE CONFLICT WITH THE PROPOSED STREET TREES LINE OR DAMAGE TO THE UTILITIES; IF INSTALLATION OF UTILITIES IS NECESSARY, THEY SHALL BE AT MINIMUM FIVE (5') FEET DEEP.
- TRANSFORMERS, PEDESTAL OR JUNCTION BOXES NOT TO BE INSTALLED WITHIN "PARK SITE" OR WITHIN NEW SIDEWALKS.
- ANY UNSUITABLE SOILS, CLAY SOILS, COURSE SANDS AND CONTAMINATED SOILS TO A MINIMUM DEPTH OF 12 INCHES AS REQUIRED FOR PROPER PLANTING AS PER PARKS **DESIGN & CONSTRUCTION STANDARDS.**

SYMBOL	COMMON NAME	BOTANICAL NAME	QTY	
∠ 2" CALIPER TI	REE - 10' HEIGHT MINIMUM			
wy.				
15	LACE BARK ELM	ULMUS PARVIFOLIA	64	
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	CHINKAPIN OAK	PROSOPIS MUHLENBERGII	25	
A STATE OF THE PARTY OF THE PAR	CHINESE PISTACHE	PISTACIA CHINENSIS	6	
+	MONDEL PINE	PINUS ELDARICA	16	
TURF, GRAVE	ELS, & MULCHES			
* * * * ·	GRASS - SANTA ANA, PER NOTES		165,000 SQ. FT.	
	FRANKLIN RED SCREENINGS	s, 3" DEPTH W/ DEWITT PRO-5 WEED BARRIER	11,130 SQ. FT.	
	3/4" FRANKLIN RED ROCK, 3" DEPTH W/ DEWITT PRO-5 WEED BARRIER			

REVIEWED BY Intony duty . 01/10/2017

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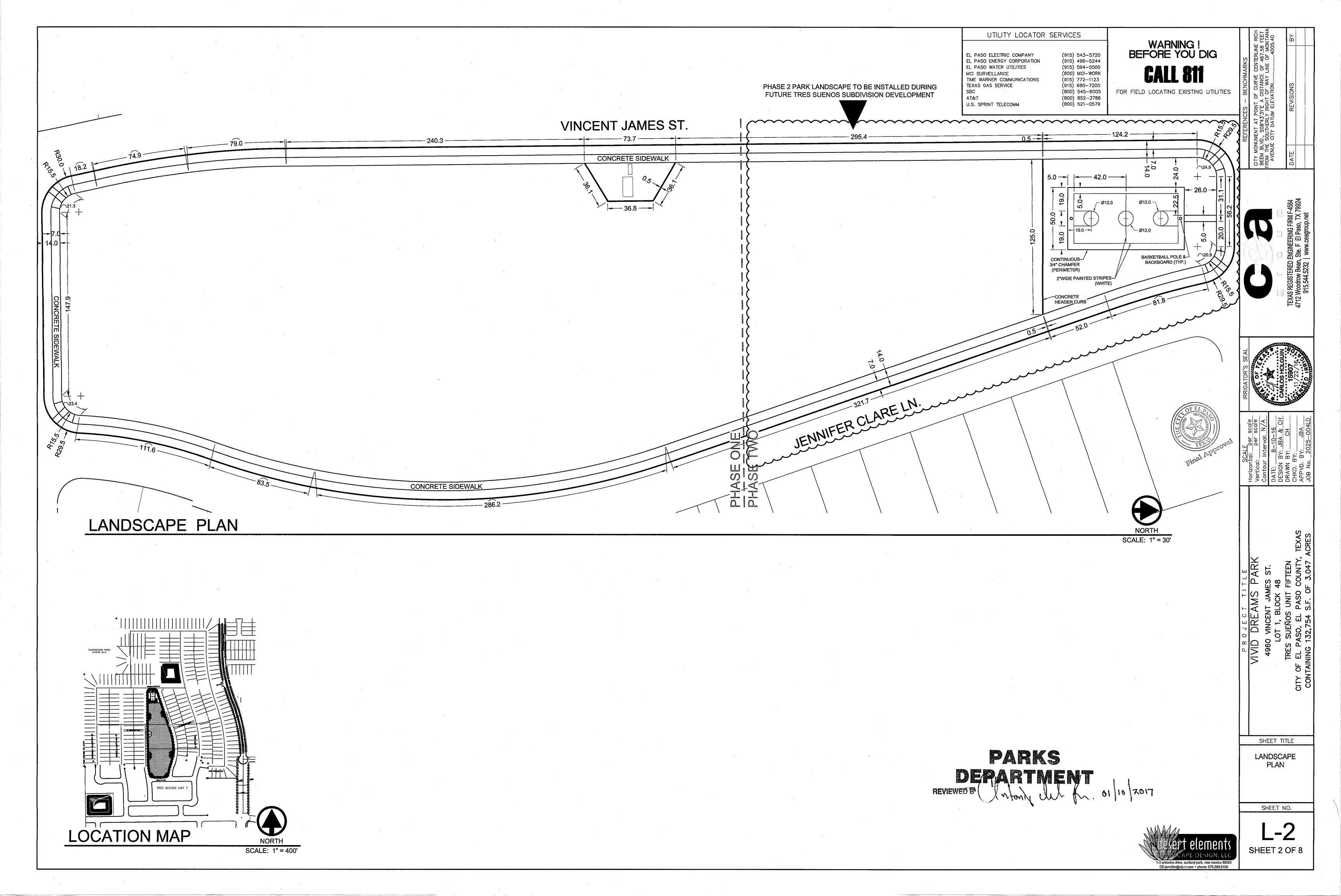
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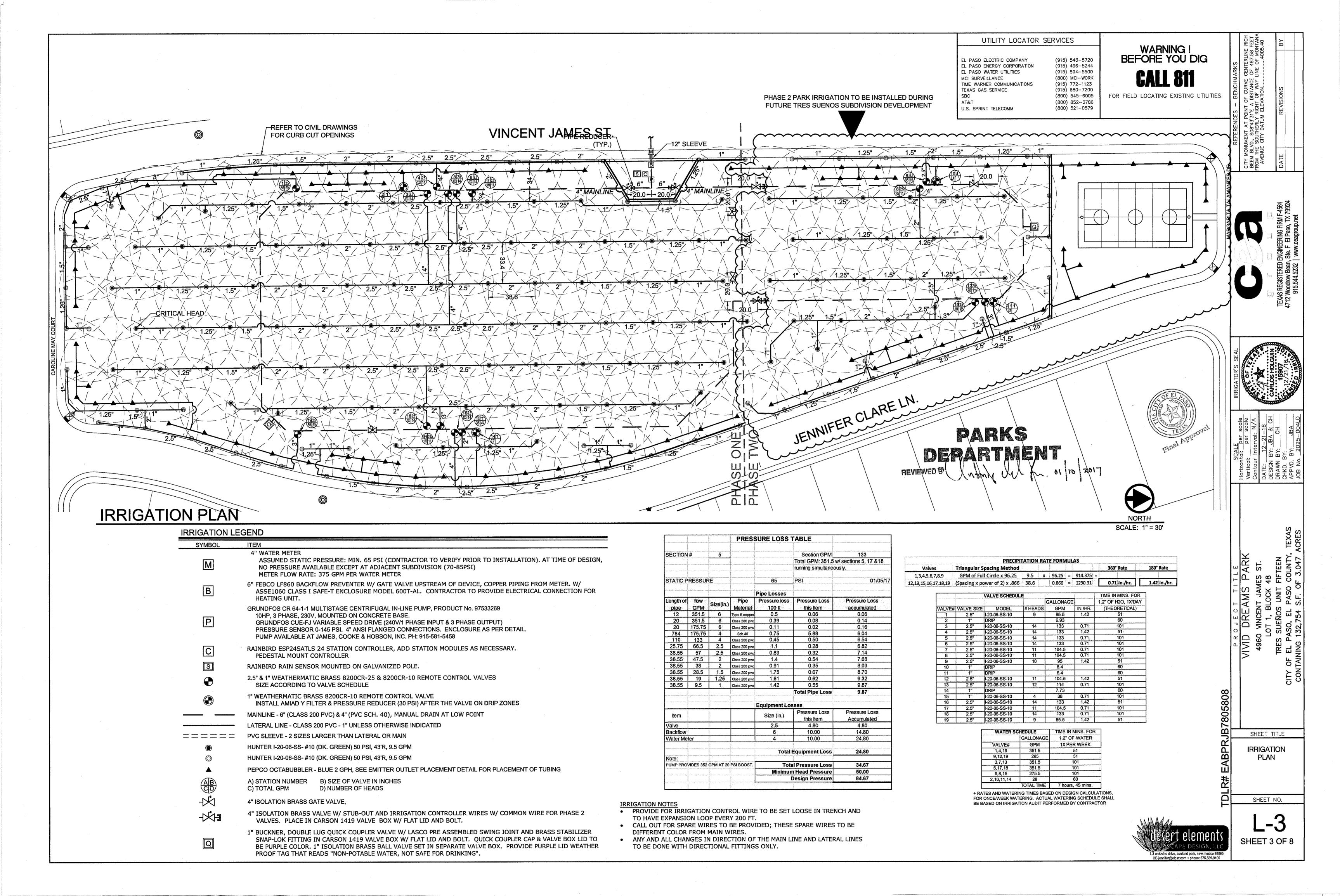
SHEET TITLE

LANDSCAPE PLAN

SHEET NO.

SHEET 1 OF 8





TIES TO STAKES TO HAVE RUBBER HOSE TO PROTECT TREE TRUNK FROM DAMAGE

BY WIRE. WIRE TIES TO BE LOOSE (1" 1 2" PLAY ON PLAN) TO PROTECT TREE TRUNK FROM DAMAGE. WIRE TIES TO BE

SET ON SAME TRUNK OR MAIN TRUNK.

9 MAT 4: CL) PELI FOR BALE NY BODON OM NERVIDES, RESTAL MUNEMANT D'ONCES 8 PRYLLENG UN 12 M DO FRAN A SA YENE 3P OKTORE C 8 YN C. OL, ALCYL ENGO, ROLLAND DE DATHE I ENGLEND (18,84,844) (15,15,314) EL DIAL TO KARE, DAHADO CER DERT HOMETY PROPERTY

FRIEDON, E WICHEL CHARA D'ECRET HIM PROPERTY LAGUISEC

COREC 1204 1419

(*2.2.1.2.19) 50-19 ize bler fat Be Cyppolocy (Inex pro-distre) irrê-ry (e. aiv r f. e.b., si ryg r-dyr, d-ry (e.b.) Be-lius el l. eo si photyfe i er irrê-rav (e.b., fil) Be-lius el l. eo si photyfe i er irrê-rav (e.b., fil) Be-ly residit phal, phal) er ire grec', i area pheera e eras. F°C, PRECORDER TO THE PROCESS OF THE PROC Caralido excopida acabaracentes veces (1942 page 1942 pa CCRR-IP CARE AS ALMENNO CAT LEVER'S DRUG OF TREFOR AT TREFOR AT THE COMMON TO THE RESERVE 11. TOP OF ROOT BALL SHALL BE LEVEL WITH TOP OF MULCH OR BARK. MULCH SHALL BE FEATHERED TO FULL DEPTH. 1. TREES PLANTED IN ROCKY, CALICHE AND CLAY SOILS TO HAVE PIT EXCAVATED 5 TIMES THE SIZE OF THE ROOTBALL. 2. TREES PLANTED IN ROCKY, CALICHE AND CLAY SOILS TO HAVE 1/3 TO 1/2 TOP SOIL BLENDED WITH CLAY SOIL AND USED AS BACKFILL. 3. TREES PLANTED IN ROCKY SOIL ARE TO HAVE ALL ROCKY MATERIAL LARGER THAN 1" IN SIZE REMOVED. TREE PLANTING DETAIL

GALVANIZED STEEL CAP SECURED BY TACK WELDS (CLEANED, PRIMED AND PAINTED W/ ZINC-BASED PAINT) -2 PARK RULES SIGNS S/ SIGN-MOUNTING BRACKETS BILINGUAL BOTH SIDES TANK CLISED SHOULD DETRINE DOT 1 - APR 33 PAYOUS CURRENCES DETRINE AP 43 ARRIGET - APR 33 MACTISCIMANIEL IS ... ISSAN VANC VI. LAC. 1 - RAAL IN MACH CITABED II SE ME. IN BEVANE MAA . " 1914 192 (*2.21.) WL JETERMO PLEFING OF VILEM POD 112 TEG PODI B COSTRAG GRAJBA, ENXICAR CLARE SEVERADE COLTA(MERE PROFESTADE) PROFESTA CALLOFFER E PO DE PAGNACER WORE I MACCIELLO REMININCE ENCONELLORE PARTER COLDE SE SAN ALCONELLORE 6° 1,31.1264 6° 1,31.1264 ----3" DIA. NPS STANDARD GALVANIZED STEEL PIPE POST SCHED. 40 STANDARD STEEL PIPE POST EMBEDDED IN CONCRETE BASE. -- #6 X 8" LONG BARS E.W. COMPACTED FILL, TO MODIFIED PROCTOR TO 95% . 1'-6"-PARK RULES SIGN DETAILS

(7' AND 6'-PER PLANS) SIDEWALK NOTES: 1. CONCRETE SHALL BE 3000 PSI MINIMUM.
2. CONTROL JOINT REQUIRED AT 5 O.C. FOR SIDEWALKS OR AS SHOWN ON THE PLANS,
3. CONTROL JOINTS SHALL BE 1/9" THICK AND 1" DEEP,
4. EXPANSION JOINT MATERIAL REQUIRED © 20" O.C. FOR SIDEWALKS OR AS SHOWN ON PLANS.
5. DO NOT GOOSS REINFORCEMENT THILL EXPANSION MARTIAL.
6. PROVIDE EXPANSION JOINT MATERIAL WHERE SIDEWALKS MEET, EXISTING SIDEWALKS AND CURBS.

SIDEWALK AND CONCRETE PATHS DETAIL

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(800) 521-0579

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FOR FIELD LOCATING EXISTING UTILITIES

TREES PLANTED IN ROCKY, CALICHE AND CLAY SOILS TO HAVE PIT EXCAVATED 5 TIMES THE SIZE OF THE ROOTBALL.

2. TREES PLANTED IN ROCKY, CALICHE AND CLAY SOILS TO HAVE 1/3 TO 1/2 TOP SOIL BLENDED WITH CLAY SOIL AND USED AS BACKFILL.

TREES PLANTED IN ROCKY SOIL ARE TO HAVE ALL ROCKY MATERIAL LARGER THAN 1" IN SIZE REMOVED.

TREE PLANTING IN TURF DETAIL

BY WIRE. WIRE TIES TO BE LOOSE (1" TO 2" PLAY ON PLAN) TO PROTECT TREE TRUNK FROM DAMAGE. WIRE TIES TO BE

GENERAL NOTES:

SET ON SAME TRUNK OR MAIN TRUNK.

 HEADER CURBS SHALL BE 3,000 PSI CONCRETE STRENGTH.
 HEADER CURBS HAND POURED AND PLACED SHALL INCLUDE: CONCRETE MOWSTRIP/HEADER CURB DETAIL

HEADER CURB NOTES:

PROVIDE 1/2" EXPANSION JOINT — MATERIAL, SEALED CAULKIN TO MATCH COLOR CONCRETE (TYP.) 6X6 10/10W.W.F. INTERRUPT MESH

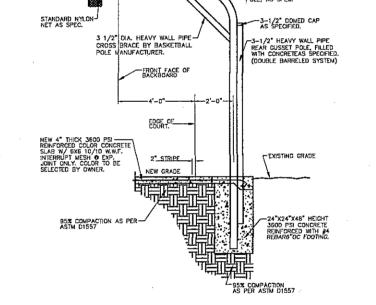
BASKEBALL COURT EXPANSION JOINT DETAIL

NEW ALUMINUM FAN TYPE BACKBOARD AS SPEC.

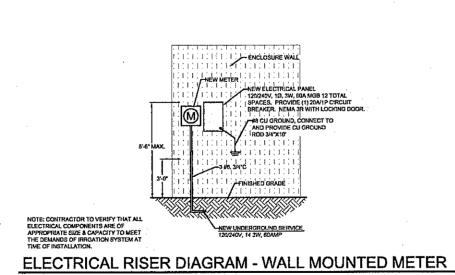
BASKEBALL BACKBOARD DETAIL

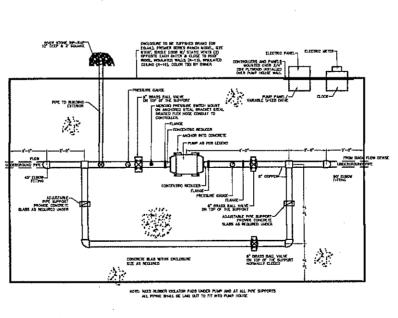
CONTINUOUS 3/4" CHAMFER-

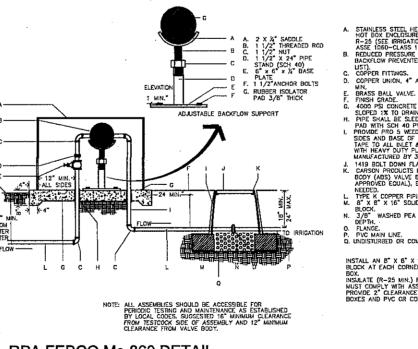
BASKEBALL COURT FOOTING DETAIL

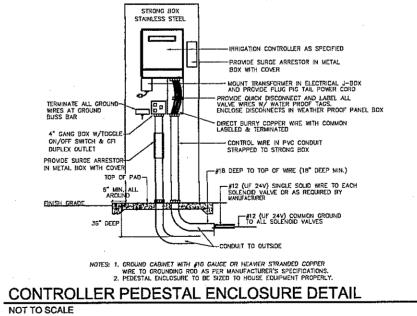


BASKEBALL POLE SECTION/ELEVATION DETAIL









RPA FEBCO Mo.860 DETAIL

PARKS REVIEWED BY NOTING OF TO 10 2017

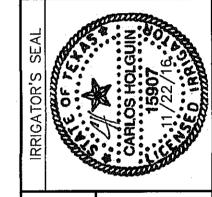


SHEET 4 OF 8

PUMP DETAIL - PLAN VIEW
NOT TO SCALE

PITE STALL BE AD DVC SEAL PIPE.
PAD WITH SCH 4 DD VC SEAL PIPE.
PROBLEMED WED CLOTH SKY.
ALE SEAL PAD SEAL PAD

INSTALL AN B" X B" X 16" SOLID CMU BLOCK AT EACH CORNER OF THE VALVE BOX.
INSULATE (R-25 MIN.) FROM FREEZING
MUST COMPLY WITH ASSE 1060-CLASS I
PROVIDE 2" CLEARANCE BETWEEN VALVE
BOXES AND PVC OR COPPER PIPING.



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SHEET TITLE

PARKS **DETAILS**

SHEET NO.

GROUNDING ROD FROM FINISH GRADE GK-UL3ROD THREE ROD KIT ---- #10 BARE COPPER WIRE TO NEXT ROD GRID SEE GROUNDING ROD NOTES FOR INSTALLATION INSTRUCTIONS

GROUNDING ROD NOTES GROUNDING RODS SERVE AS ELECTRODES FOR DEVICES TO DISSIPATE THE SURGE INTO THE EARTH. CAREFULLY READ THE FOLLOWING INSTALLATION INSTRUCTIONS:

 ALWAYS USE A 5/8" X 8' COPPER CLAD ROD.
 RUN A #10 OF LARGER BARE COPPER WIRE FROM THE DEVICE TO THE ROD.
 KEEP THE GROUND WIRES AS SHORT AND STRAIGHT AS POSSIBLE FROM THE DEVICE TO THE FIRST ROD. 4. CLAMP ALL WIRES TO THE GROUNDING ROD. DO NOT SOLDER OR TAPE THEM TO THE ROD. 5. TO INSTALL GROUNDING ROD, USE GK-TOOLS ROD DRIVING SLEEVE. 6. SPACE THREE RODS IN A TRIANGULAR GRID AT LEAST 8' APART FROM THE OTHERS IN THE GRID. CONNECT ALL THREE RODS WITH A SOLID # 10 COPPER WIRE. 7. WHEN TESTED WITH THE PROPER EQUIPMENT, GRIDS SHOULD HAVE AN EARTH RESISTANCE NO GREATER

8. WHENEVER MORE THEN ONE WIRE IS ATTACHED TO A GROUNDING ROD ALWAYS USE A SEPARATE CLAMP FOR EACH WIRE, TRYING TO INSTALL, MORE THAN ONE WIRE PER CLAMP COULD CAUSE A POOR CONNECTION RESULTING IN HIGH RESISTANCE LEVELS. 9. GROUNDING RODS SERVE AS ELECTRODES FOR THE SURGE DEVICES TO DISSIPATE THE SURGE INTO THE EARTH REMEMBER THESE TIPS WHEN INSTALLING THEM.

GROUNDING WIRES DETAIL - INITIAL TERMINAL

A. FINISH GRADE.
B. CARSON 910 SERIES VALVE BOX WITH LID AND SCREWS,
COLOR TO MATCH MULCH.
C. No. 10 BARE COPPER WIRE FROM PREVIOUS ROD IN
GRID.

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NOTE: SEE GROUNDING ROD NOTES FOR INSTALLATION INSTRUCTIONS.

GRID.

GROUNDING ROD FROM GK-UL3ROD THREE ROD KIT.

E. INSTALL SELF TAPING #8, 2" LONG BRASS SCREWS.

F. BRASS CLAMP.

G. No. 10 BARE COPPER WIRE CONTINUING TO NEXT ROD IN GRID.

GROUNDING WIRES DETAIL - INTERMEDIATE NOT TO SCALE

WATERPROOF SEALANT ---∠DRI-SPLICE CONNECTOR THREE STEP OPERATION DRI-SPLICE CONNECTOR ONLY. FILL WITH SEALANT SUFFICIENT TO SEAP WHEN ASSEMBLED.

WIRE CONNECTOR DETAIL NOT TO SCALE



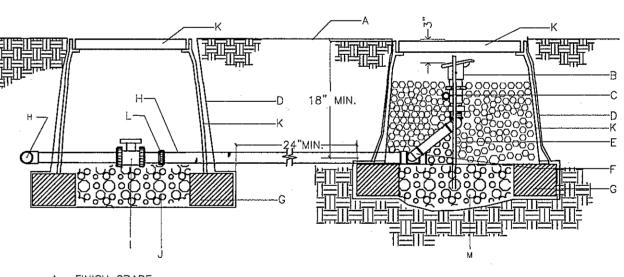
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FOR FIELD LOCATING EXISTING UTILITIES

SIDEWALK -

IRRIGATION SLEEVE UNDER PAVING AND SIDEWALKS NOT TO SCALE

PVC IRRIGATION SLEEVE-SEE PLAN



B. 1" BUCKNER QUICK COUPLER VALVE, DOUBLE LUG WITH LASCO SNAP-LOK W/MALE BRASS STABILIZER ELBOW.

MIN. 12" SECTION 1" DIA. PVC, SECTION SHOULD EXTEND BEYOND BOTH REBAR SECTION, STABILIZE IN GRAVEL.

D. PROVIDE DEWITT PRO 5 WEED CLOTH ALONG SIDES AND BASE OF VALVE BOX. TAPE TO ALL INLET AND OUTLET PIPE AND VALVE BOX WITH HEAVY DUTY 3M PLASTIC TAPE.

1/2" OR 3/8" REBAR, MIN: 30" LENGTH, ONE ON EITHER SIDE OF QUICK COUPLER FOR STABILITY.

F. LASCO SWING JOINT (PRE-ASSEMBLED). G. 8" X 8" X 16" SOLID CMU BLOCK IRRIGATION MAINLINE

ISOLATION BALL VALVE, SEE IRRIGATION LEGEND. 6" DEPTH OF 3/8" WASHED PEA GRAVEL K. CARSON PRODUCTS INC. 1419-18 BODY (ABS) VALVE BOX W/BOLT DOWN COVER (COVER COLOR TO MATCH FINISH MATERIAL AND EXTENSION AS NECESSARY.

PROVIDE PVC UNION FOR PIPE SIZES LESS THAN THREE INCHES IN DIAMETER OR PROVIDE. FLANGES FOR PIPE SIZES THREE INCHES IN DIAMETER OR LARGER. M. 3/8" WASHED PEA GRAVEL FILLED TO QUICK COUPLER FOR STABILITY.

NOTE: INSTALL AN 8" X 8" X 16" SOLID CMU BLOCK AT EACH CORNER OF THE VALVE BOX. INSTALL 3/8" PEA GRAVEL BELOW THE 1419—18 VALVE BOX WITH BOLT DOWN COVER. EXTEND PEA GRAVEL UP TO COLLAR OF QUICK COUPLER VALVE. INSTALL A TEE, FLANGE & BALL VALVE OFF OF THE MAIN LINE IMMEDIATELY UPSTREAM OF THE QUICK COUPLER

QUICK COUPLER VALVE DETAIL

DERARTMENT



SHEET 5 OF 8

SHEET TITLE

PARKS

DETAILS

SHEET NO.

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DREAMS

A. FINISH GRADE.

B. 24" WIRE LOOP,
C. DRY SPLICE CONNECTOR OR EQUAL.

D. AUTOMATIC VALVE INCLUDED IN CONTROL ZONE KIT, SEE IRRIGATION LEGEND.

E. BASKET FILTER STRAINER INCLUDED IN CONTROL ZONE KIT SHALL BE INSTALLED TO PROVIDE ACCESSFOR MAINTENANCE AND REPLACEMENT. SEE IRRIGATION LEGEND.

F. LOCKING VALVE BOX COVER FLAT LID WITH BOLT.

G. CARSON PRODUCTS INC. 1419—18 BODY (ABS) VALVE BOX W/BOLT DOWN COVER (COVER COLOR TO MATCH FINISH MATERIAL AND EXTENSION AS NECESSARY.

H. PROVIDE DEWITT PRO 5 WEED CLOTH ALONG SIDES AND BASE OF VALVE BOX AND BLOCKS TAPE TO ALL INLET & OUTLET PIPE WITH JAM HEAVY DUTY PLASTIC TAPE.

J. BALL VALVE, INCLUDED IN CONTROL ZONE KIT, SEE IRRIGATION LEGEND.

K. 4" LAYER OF 3/6" WASHED PEA GRAVEL.

PVC PIPE SIZED PER PLAN WITH WELD ON THREADED FITTINGS ON EACH END.

M. LATERAL LINE

PROVIDE PVC LINION FOR PIPE SIZES LESS THAN THREE INCHES IN DIAMETER OR PROVIDE.

NOT TO SCALE

H. FINISH GRADE

I. PIPE TO BE SEALED AFTER CABLE IS RUN, USE 4 MIL. PLASTIC AND TAPED NIPPLE AND THE CABLE WITH HIGH GRADE 3M WEATHER PROOF PLASTIC TAPE.

J. NIPPLE. GALVANIZED PIPE IN CONCRETE FOOTING TO BE WRAPPED WITH WEATHER PROOF TAPE TO PROTECT FROM CORROSION.

K. 6" THICK, 3/8" DIAMETER WASHED PEA GRAVEL. RAIN SENSOR DETAIL

1 DIFFUSER BUG CAP:
RAIN BIRD DBC-025
(1 OF 2 SHOWN, B POSSIBLE).
2 UNIVERSAL %" TUBING STAKE:
RAIN BIRD TS-025
(1 OF 2 SHOWN, B POSSIBLE).
3 1/4" DISTRIBUTION TUBING:
RAIN BIRD XG TUBING
(LENGTH AS REQUIRED)
(1 OF 2 SHOWN, B POSSIBLE).
5 UBTERRANEAN EMITTER BOX:
CARSON 910 SERI ESGREEN IN

CARSON 910 SERI ES(GREEN IN TURF AREAS AND TAN IN ROCK LANDSCAPE AREAS).

MULTI-8-OUTLET EMISSION DEVICE:
RAIN BIRD XERI-BIRD XED-BO.

8) PVC SCH 80 THREADED NIPPLE

9) PVC SCH 40 TEE OR ELL.

O PVC LATERAL PIPE.

) INSTALL 2 #8, 2" LONG SELF TAPING BRASS SCREWS.

TRIANGULAR GROUNDING PLAN VIEW DETAIL NOT TO SCALE

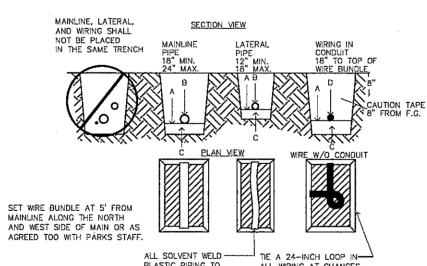
INSIDE VIEW

1) 3" MINIMUM DEPTH OF
3/4" WASHED PEA GRAVEL.
12) SINGLE-OUTLET BARB INLET X
BARB OUTLET EMITTER: RAIN
BIRD XERI-BUG EMITTER.
13) WEED BARRIER TAPED TO EMITTER
BOX AND PIPE PENETRATION. TAPE
TO BE 3M BRAND HEAVY DUTY
PLASTIC TAPE. 1. COIL ADDITIONAL 9" OF TUBING IN EMITTER BOX TO FACILITATE MAINTENANCE.

2. RAIN BIRD XERI-BUG BARB X BARB EMITTERS ARE AVAILABLE IN THE FOLLOWING MODELS:

XB-05PC 0.5 GPH XB-10PC 1.0 GPH XB-20PC 2.0 GPH

MULTI 8 OUTLET EMITTER DETAIL NOT TO SCALE

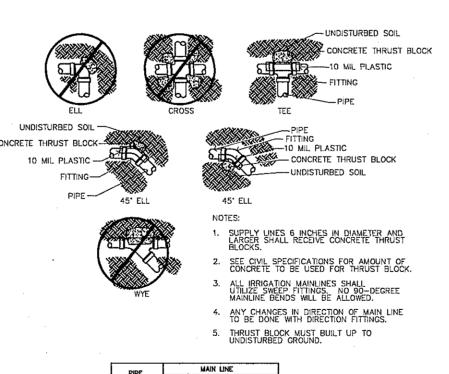


AGREED TOO WITH PARKS STAFF ALL WRING AT CHANGES OF DIRECTION OF 30' OR GREATER AND EVERY 200 FEET. PLASTIC PIPING TO TRENCH AS SHOWN B. CARSON PRODUCTS INC, 1419–18(ABS) VALVE BOX WITH BOLT DOWN FLAT LID COVER TO MATCH COLOR OF FINISH MATERIAL AND 8" EXTENSIONS AS NECESSARY. NOTES: A. BOTTOM OF EXCAVATED TRENCH WHERE NONE ROCKY SOILS ARE EXPOSED (ENCOUNTERED).

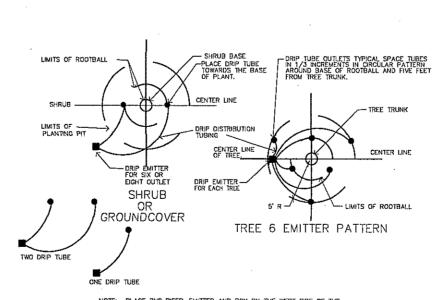
B. RRIGATION SYSTEM PIPING.
C. MINIMUM 4" DEEP BEDDING SANDY SOILS MATERIAL WHERE ROCKY SOILS ARE EXPOSED.

D. IRRIGATION SYSTEM VALVE WIRING.
E. BACKFILL SOILS MATERIAL MAY BE NATIVE SOILS IF IT IS FREE OF CALICHE OR STONES LARGER THANK 1" IN SIZE AND ORGANIC MATTER OR WASTE DEBRIS. SOILS COMPACTION IN TURF AREAS TO BE 80% TO 85% DENSITY BY ASTM D—1557 STANDARD AND AT 95% DENSITY UNDER PAVED OR HARDSCAPE SURFACES.

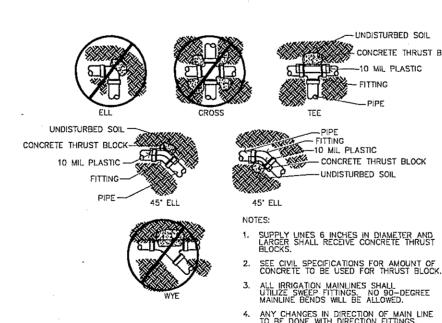
> PIPE / WIRE IN TRENCH DETAIL NOT TO SCALE



THRUST BLOCK DETAIL



EMITTER OUTLET PLACEMENT DETAIL

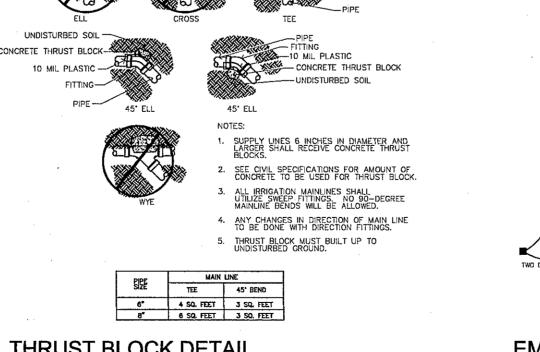


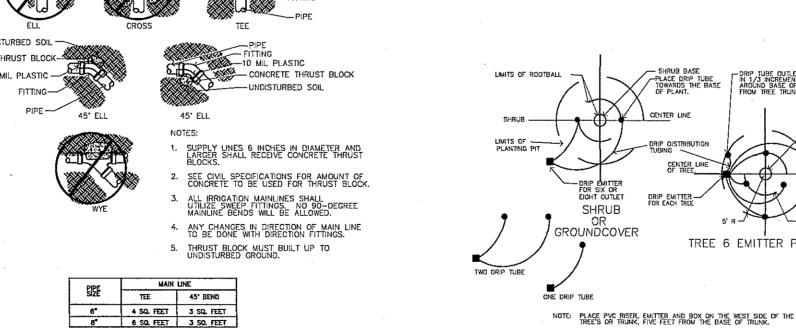
FINISH GRADE. SPRINKLER HEAD (SEE PLAN). LATERAL LINE (SEE PLAN). LASCO PRE—ASSEMBELED SWING JOINT.

THIS DETAIL SHALL BE USED FOR POP-UP SHRUB SPRAY, POP-UP LAWN SPRAY, GEAR DRIVEN AND ROTARY SPRINKLER HEADS.
TOP OF SPRINKLER HEAD SHALL BE SET FLUSH WITH FINISH GRADE.
SWING JOINT INSTALLATION TO COMPLY WITH MANUFACTURER'S RECOMMENDATION.

SPRINKLER HEAD DETAIL

NOT TO SCALE

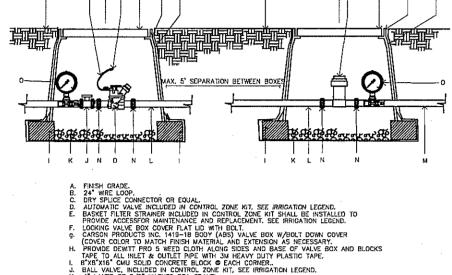




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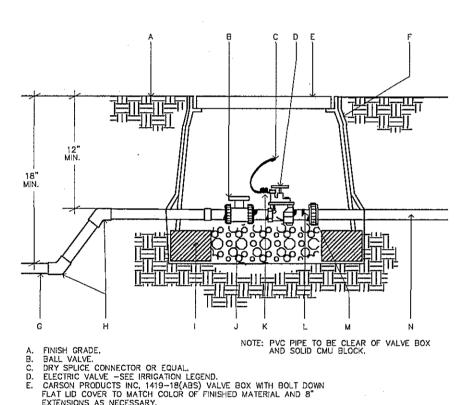






I. LATERAL LINE 4. PROVIDE PVC UNION FOR PIPE SIZES LESS THAN THREE INCHES IN DIAMETER OR PROVIDE, FLANGES FOR PIPE SIZES THREE INCHES IN DIAMETER OR LARGER. D. HORIZONTAL HYGIENIC PRESSURE GAUGE

DRIP VALVE / BASKET FILTER KIT DETAIL



FLAT LID COVER TO MATCH COLOR OF FINISHED MATERIAL AND 8"
EXTENSIONS AS NECESSARY.

F. PROVIDE DEWITT PRO 5 WEED CLOTH ALONG SIDES AND BASE OF VALVE
BOX INSTALLATION. TAPE TO ALL INLET AND OUTLET PIPE AND VALVE BOX
WITH HEAVY DUTY PLASTIC 3M TAPE.

G. PVC MAINLINE—SEE IRRIGATION LEGEND.
H. SCH BO — 45 DEGREE FITTING.
I. B"X8"X16" SOLID CMU BLOCK @ EACH CORNER.
J. 4" DEPTH, 3/8" DIAMETER WASHED PEA GRAVEL.
K. 24" WRE EXPANSION COIL, EXTEND WIRE 12" ABOVE VALVE BOX FOR
SERVICE.

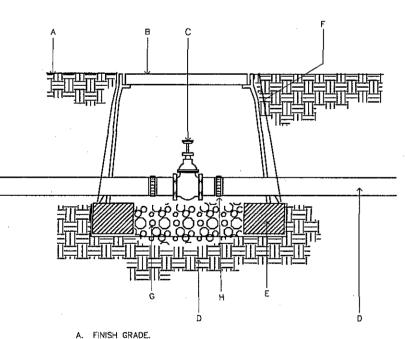
SERVICE.

L. SCHEDULE BO PVC CLOSE NIPPLE.

M. FLANGE (3" AND ABOVE) AND UNION (BELOW 3" PIPE SIZE)

N. LATERAL LINE. IRRIGATION CONTROL VALVE DETAIL

NOT TO SCALE



MA IEMIAL AND 8 EXTENSIONS AS NECESSARY.

C. BRASS ISOLATION VALVE— SEE IRRIGATION LEGEND.

D. IRRIGATION MAINLINE.

E. 8"X 8"X16" SOLID CMU SOLID BLOCK @ EACH CORNER.

F. PROVIDE DEWITT PRO 5 WEED CLOTH ALONG SIDES AND BASE OF VALVE BOX INSTALLATION. TAPE TO ALL INLET AND OUTLET PIPE AND VALVE BOX WITH HEAVY DUTY PLASTIC 3M TAPE.

G. 4" DEPTH, 3/8" WASHED PEA GRAVEL. H. FLANGE (3" AND ABOVE) AND UNION (BELOW 3" PIPE SIZE) NOTE: PVC PIPE TO BE CLEAR OF VALVE BOX AND SOLID CMU BLOCK.

ISOLATION VALVE DETAIL

GENERAL NOTES

- CONTRACTOR SHALL BE FAMILIAR WITH PLANS, DETAILS AND SPECIFICATIONS AS THEY PERTAIN TO THE SITE, IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE OWNER'S REPRESENTATIVE/LANDSCAPE DESIGNER AND PARKS DEPARTMENT IF ANY ITEMS CONTAINED WITHIN THE SCOPE OF WORK DEFINED HEREIN ARE IN CONFLICT WITH PROPOSED CONTRACT.
- * EXISTING UTILITY LINES ARE TO BE BLUE STAKED PRIOR TO EXCAVATION. CHECK AND FIELD VERIFY ALL SITE CONDITIONS, UTILITIES AND SERVICES PRIOR TO EXCAVATION. CALL FOR BLUE STAKING, 1-800-DIG-TESS.
- * CONTRACTOR SHALL COORDINATE ALL WORK WITH OTHER CONTRACTORS.
- * CONTRACTOR SHALL OBTAIN ALL REQUIRED PERMITS PRIOR TO COMMENCING WORK, I.E. BUILDING PERMIT, GRADING, SWP3, IRRIGATION, ETC.
- * CONTRACTOR SHALL MEET ALL APPLICABLE ADA AND TAS REQUIREMENTS FOR ACCESS TO SIDEWALKS, PLAZAS, PLAYGROUND, BASKETBALL COURT, ETC. THE CONTRACTOR IS RESPONSIBLE TO INSURE THAT RUNNING SLOPE «5%), CROSS-SECTION «1.5%) AND FINISHED SURFACE TEXTURE COMPLY WITH ACCESSIBILITY REQUIREMENTS.
- CONTRACTOR IS RESPONSIBLE TO INSURE THAT PROJECT AREA IS FENCE-IN THROUGHOUT THE DURATION OF THE CONSTRUCTION PROJECT. FENCE IS REQUIRED TO BE MINIMUM OF 6 FEET HIGH CHAIN LINK FENCE MAINTAINED IN A STABLE AND SECURE CONDITION.
- CONTRACTOR SHALL PROTECT ALL CONCRETE WORK TO AVOID VANDALISM OR DAMAGE DURING CURING TIME: ANY DAMAGE DONE TO THE CONCRETE DUE TO VANDALISM DAMAGE MUST BE RESTORED TO GOOD FINISHED QUALITY APPEARANCE.
- * CONTRACTOR SHALL BE RESPONSIBLE TO HAVE ANY VEGETATION TREATED AND REMOVED PRIOR TO THE EXCAVA TION OF THE SITE FOR THE PLAYGROUND EQUIPMENT, CONTAINMENT ROCK WALL AND SIDEWALK.
- CONTRACTOR IS RESPONSIBLE TO MAINTAIN SITE CLEAN AND FREE OF CONSTRUCTION DEBRIS. DAILY CLEAN-UP OF SITE WILL BE REQUIRED TO BE PROVIDED BY CONTRACTOR, NO STOCK PILLING OF CONSTRUCTION DEBRIS WILL BE PERMITTED ON SITE.
- CONTRACTOR IS RESPONSIBLE TO INSURE THAT CONSTRUCTION EQUIPMENT WILL NOT BE CLEANED AT THE SITE UNLESS PROPER CONTAINERS ARE PROVIDED STORE WASTE. THIS INCLUDES MORTAR, CONCRETE, WOOD FIBER SURFACING, ETC.; WASTE MATERIAL MUST BE REMOVED FROM SITE ON A DAILY
- CONTRACTOR IS RESPONSIBLE TO INSURE THAT ANY CONSTRUCTION MASONRY MATERIALS THAT ARE HAND MIXED AT JOB SITE ARE DONE IN AN APPROPRIATE CONTAINER AND ANY SPILLAGE IS CLEANED AND REMOVED IMMEDIATELY.
- PARK FURNISHINGS WILL BE PROVIDED BY OTHERS AND INSTALL BY THE CONTRACTOR. CONTRACTOR WILL COORDINATE CORRECT INSTALLATION WITH VENDOR AND PARKS AND RECREATION DEPT.
- * ALL CONCRETE SHALL BE 3600 PSI @ 28 DAYS, UNLESS OTHERWISE NOTED.
- PICNIC AREA FLOOR AND SIDEWALK SHALL BE NON SLIP BROOM FINISH WITH A 1 % SLOPE, PROVIDE MOCK UP.
- * POUR CONCRETE FOOTING AND PICNIC TABLE STEEL PIPE LEGS PRIOR TO FINAL POURING OF CONCRETE SLAB. CONTRACTOR SHALL COORDINATE WITH SITE FURNISHING VENDOR.
- DAMAGED TO EXISTING UTILITY LINES, CAUSED BY CONTRACTORS ACTIVITY SHALL BE REPAIRED BY CONTRACTOR AT NO ADDITIONAL EXPENSE.
- * ALL EXPANSION JOINT MATERIAL SHALL BE 1/2" THICK. INTERRUPT WIRE MESH AT EXPANSION JOINT ONLY.
- DETAILS ARE GENERAL REPRESENTATION OF PARK FURNISHING INSTALLATION. VENDOR WILL PROVIDE ADDITIONAL INFORMATION FOR FINAL INSTALLATION.

COORDINATION WITH EL PASO WATER UTILITIES

- APPLICATION AND ALL FEES FOR TEMPORARY WATER SERVICE SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. TEMPORARY SERVICE APPLICATION SHALL BEAR THE CONTRACTOR'S INFORMATION (COMPANY NAME, ADDRESS, BILLING ADDRESS, TELEPHONE, AND EMAIL). UNDER NO CIRCUMSTANCE SHALL THE CONTRACTOR USE CITY OF EL PASO INFORMATION (CITY NAME, ADDRESS, BILLING ADDRESS, TELEPHONE, EMAIL....ETC.) TO APPLY FOR TEMPORARY SERVICE.
- * TERMINATION OF TEMPORARY WATER SERVICE SHALL OCCUR ONLY AFTER THE PROJECT HAS BEEN ACCEPTED. SERVICE DEACTIVATION WILL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- NOTIFY CITY OF EL PASO PROJECT MANAGER FIVE (5) WORKING DAYS PRIOR TO TEMPORARY WATER SERVICE DEACTIVATION REQUEST.

PLANTING NOTES

GENERAL

* SCOPE: WORK COVERED IN THESE NOTES CONSISTS OF THE PLANTING OF SOD, TREES, SHRUBS, GRADING AND MULCHING, INCLUDING THE FURNISHING OF ALL LABOR, EQUIPMENT, MATERIALS AND PERFORMING ALL WORK IN CONNECTION WITH THE DRAWINGS AND SPECIFICATIONS.

PROTECTION

- * PROTECTION OF PERSONS AND PROPERTY: CONTRACTOR IS TO BARRICADE OPEN EXCAVATIONS OCCURRING AS PART OF THIS WORK AND POST WITH WARNING LIGHTS OR OTHER WARNING MEASURES AS NECESSARY. PROTECTION OF EXISTING SHRUBS, TREES AND OTHER PLANT MATERIALS IS ALSO TO BE INCLUDED.
- PROTECT STRUCTURES, UTILITIES, SIDEWALKS, PAVEMENTS AND OTHER FACILITIES FROM DAMAGE CAUSED BY SETTLEMENT, LATERAL MOVEMENT, UNDERMINING, WASHOUT AND OTHER HAZARDS CREATED BY EARTHWORK OPERATIONS. ALL DAMAGES THAT MAY OCCUR DURING THIS PHASE OF WORK SHALL BE THE CONTRACTOR'S FINANCIAL RESPONSIBILITY.

GRADING

- PERFORM GRADING AND EXCAVATION WORK IN COMPLIANCE WITH APPLICABLE SPECIFICATIONS, REQUIREMENTS, CODES AND ORDINANCES OF ALL GOVERNING BODIES HAVING JURISDICTION.
- ROUGH GRADING: ROUGH GRADING SHALL BE PERFORMED TO SPECIFICATIONS BY GENERAL CONTRACTOR. GRADES TO BE +/- 2".
- * FINE GRADING: SURFACE SHALL BE RAKED FREE OF STONES (1/2" AND ABOVE) AND EXTRANEOUS MATERIALS AND DEBRIS TO A SMOOTH AND EVEN TEXTURE. ALL EXTRANEOUS MATTER WILL BE DISPOSED OF BY CONTRACTOR

PLANTINGS

- * PLANT MATERIAL SUBSTITUTIONS SHALL NOT BE MADE WITHOUT THE WRITTEN PERMISSION OF THE PARKS DEPARTMENT/LANDSCAPE DESIGNER. THE USE OF MATERIALS DIFFERING IN KIND, QUALITY OR SIZE FROM THAT SPECIFIED WILL BE ALLOWED ONLY AFTER THE LANDSCAPE DESIGNER & PARKS DEPARTMENT IS CONVINCED THAT ALL MEANS OF OBTAINING THE SPECIFIED MATERIAL HAVE BEEN EXHAUSTED. AT THE TIME BIDS ARE SUBMITTED, THE CONTRACTOR IS ASSUMED TO HAVE LOCATED THE MATERIALS NECESSARY TO COMPLETE THE JOB AS SPECIFIED. ALL REQUESTS FOR SUBSTITUTIONS MUST BE SUBMITTED NO LATER THAN 2 WEEKS PRIOR TO THE INITIATION OF WORK.
- * PLANT MATERIAL QUALITY, SIZE AND CONDITION SHALL BE IN ACCORDANCE WITH AMERICAN STANDARD FOR NURSERY STOCK, 1980 EDITION, AS PUBLISHED BY THE COMMITTEE ON HORTICULTURAL STANDARDS OF THE AMERICAN ASSOCIATION OF NURSERYMEN, INC.
- * ALL PLANTS SHALL BE TYPICAL OF THEIR SPECIES OR VARIETY. ALL PLANTS SHALL HAVE NORMAL, WELL DEVELOPED BRANCHES AND VIGOROUS ROOT SYSTEMS. THEY SHALL BE SOUND, HEALTHY, VIGOROUS, FREE FROM DEFECTS, DISFIGURING KNOTS, ABRASIONS OF THE BARK, SUNSCALED INJURIES, PLANT DISEASES, INSECT EGGS, BORES AND ALL OTHER FORMS OF INFECTIONS.
- UNLESS OTHERWISE STATED ON THE DRAWINGS OR APPROVED BY OWNER'S REPRESENTATIVE, ALL PLANTS SHALL BE NURSERY GROWN AND SHALL BE TAGGED WITH NURSERY LABELS INDICATING SPECIES AND VARIETY.
- NONCONTAINER GROWN PLANTS SHALL HAVE A SOLID BALL OF EARTH OF MINIMUM SPECIFIED SIZE AND HELD IN PLACE SECURELY BY BURLAP AND A STOUT TWINE OR ROPE. BROKEN OR LOOSE BALLS WILL BE REJECTED.
- UNLESS SPECIFICALLY NOTED ON THE DRAWING, ALL TREES SHALL HAVE A SINGLE TRUNK THAT IS STRAIGHT AND FREE OF " DOG-LEGS" "CROOKS", "Y-CROTCHES", OR OTHER DISFIGURING SHAPES. THE CENTRAL LEADER OF ALL TREES SHALL NOT HAVE BEEN PRUNED. TREES WITH DOUBLE LEADERS ARE NOT ACCEPTABLE, UNLESS SPECIFIED AS MULTI-TRUNKED.
- ALL PLANT MATERIAL SHALL HAVE A UNIFORM SHAPE AROUND ITS COMPLETE CIRCUMFERENCE PLANT MATERIAL WITH IRREGULAR BRANCHING PATTERNS OR WITH BRANCHING PATTERNS MORE HIGHLY DEVELOPED ON ONE SIDE THAN ON OTHER SIDES SHALL NOT BE ACCEPTABLE.

SODDING

- * SOD IS TO BE CUT, DELIVERED TO SITE AND INSTALLED WITHIN 24 HOURS
- * SITE TO BE PROPERLY PREPARED BY LOOSENING TOP 6 INCHES OF SOIL, BE LASER LEVELED, ROLLED AND MOISTENED PRIOR TO PLACEMENT OF SOD.
- * FERTILIZER OR SOIL AMENDMENTS TO BE TILLED INTO SOIL PRIOR TO PLACEMENT OF SOD.
- * SOILS TO BE RAKED TO REMOVE ANY STONES LAGER THAN 1 INCH, ROOTS, BRANCHES, EXTRANEOUS MATERIALS JUST PRIOR TO PLACEMENT OF SOD.
- * ANY MESH USED ON SOD ROLLS BY FARM IS TO BE REMOVED AS SOD IS BEING INSTALLED.
- * SOD TO BE WATERED, FERTILIZED AND MOWED AS RECOMMENDED BY SOD FARM.
- * AREAS THAT ARE SODDED TO BE KEPT FREE OF WEEDS PRIOR TO AND AFTER PLACEMENT OF SOD. ANY HERBICIDE TREATMENT(S) OF SOD AREAS NEED TO BE DONE BY AN INDIVIDUAL (COMPANY) WITH PROPER LICENSE.
- * FLAT SODDED AREAS NEED TO BE LASER LEVELED PRIOR TO INSTALLATION OF IRRIGATION SYSTEM AND AGAIN PRIOR TO INSTALLATION OF SOD IN FLAT AREAS.

JOB SITE

- * THE LANDSCAPE DESIGNER WILL INSPECT PLANT MATERIAL AT A WHOLESALE NURSERY OF THE CONTRACTOR'S CHOICE PRIOR TO DELIVERY OF MATERIALS TO THE CONTRACTOR'S YARD. HOWEVER, AT NO ADDITIONAL EXPENSE TO THE OWNER, THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL TRAVEL EXPENSES INCURRED BY THE OWNER'S REPRESENTATIVE FOR ANY TRAVEL OUTSIDE OF THE LOCAL AREA.
- * THE CONTRACTOR SHALL BE LIABLE FOR ANY LOSS OR DAMAGE TO ANY WORK OR MATERIALS. SUPPLIES AND EQUIPMENT ON THE JOB SITE CAUSED BY THE CONTRACTOR, ITS EMPLOYEES OR ANY PROJECT WITH THE OWNERS REPRESENTATIVE/OWNER.
- * LANDSCAPE DESIGNER AND PARKS STAFF SHALL BE THE JUDGE OF THE QUALITY AND ACCEPTABILITY OF ALL PLANT MATERIALS. ALL REJECTED MATERIAL SHALL BE IMMEDIATELY REMOVED FROM THE SITE AND REPLACED WITH ACCEPTABLE MATERIAL AT NO ADDITIONAL COST TO OWNER.

UTILITY LOCATOR SERVICES

EL PASO ENERGY CORPORATION EL PASO WATER UTILITIES MCI SURVEILLANCE TIME WARNER COMMUNICATIONS TEXAS GAS SERVICE

AT&T

* ALL PLANTING BEDS SHOWN ON PLANS SHALL BE MULCHED. NO BEDS WILL BE LEFT

* DEVELOPER SHALL ENSURE AT LEAST 1 FOOT OF TOP SOIL FOR GROWING GRASS.

SOIL SAMPLES SHALL BE TAKEN TO TEXAS A&M RESEARCH & EXTENSION CENTER.

* CAST-IN-PLACE ANCHORS IN CONCRETE SHALL BE THREADED OR WEDGE, GALVANIZED

SUBMIT COMPLETED SINGLE STEEL PLATE ARTWORK PIECE FOR APPROVAL

* FABRICATE SEAMS AND OTHER CONNECTIONS IN A MANNER TO EXCLUDE WATER.

MASONRY, EQUIP WITH INTEGRALLY WELDED STEEL STRAP ANCHORS NOT LESS

IRRIGATION IN TEXAS IS REGULATED BY THE TEXAS COMMISSION ON ENVIRONMENTAL

WORK UNDER THIS SECTION CONSISTS OF INSTALLING A COMPLETE UNDERGROUND

CONTRACTOR PERFORMING THIS WORK SHALL FURNISH ALL LABOR, EQUIPMENT,

MATERIALS, INCIDENTAL WORK, AND PERMITS NECESSARY FOR THE COMPLETION

OF THE IRRIGATION SYSTEM, EXCEPT FOR THOSE COMPONENTS SPECIFIED TO BE

TO THE CITY OF EL PASO STANDARDS FOR PUBLIC WORK CONSTRUCTION. THE

JURISDICTION A TRAFFIC CONTROL PLAN AND A PROJECTED TIME SCHEDULE.

IRRIGATION SYSTEM AS SHOWN ON THESE PLANS, DETAILS AND SPECIFICATIONS. THE

ALL ROADWAY TRENCHING, PATCHING, AND TRAFFIC CONTROL SHALL BE PERFORMED

THE CONTRACTOR SHALL COORDINATE WATER "TAP-IN" LOCATIONS AND CONTROLLER

LOCATIONS WITH THE PARK STAFF & LANDSCAPE DESIGNER PRIOR TO INSTALLATION.

ALL PLANT MATERIALS SHALL BE IRRIGATED WITH AUTOMATIC IRRIGATION SYSTEMS AS

PER PLANS, DETAILS AND SPECIFICATIONS UNLESS OTHERWISE INDICATED ON THE

WHERE TREES, LIGHT STANDARDS, ETC. ARE AN OBSTRUCTION OF PIPING AND DRIP

EMITTERS, THEY SHALL BE ADJUSTED AND/OR RELOCATED AS NECESSARY TO OBTAIN

SHALL BE LOCATED IN PLANTING AREAS OR SODDEN AREAS WHERE SHOWN AND ALL

PIPING SHALL BE INSTALLED PRIOR TO LANDSCAPING OR PAVING WORK. NO TEES. ELLS OR OTHER TURNS IN PIPING SHALL BE LOCATED UNDER PAVING. CAP ALL ENDS HAND

BE EVEN WITH EXISTING GRADES AFTER COMPACTION. NO ORGANIC MATERIAL AND NO

ALL VALVES TO BE IN APPROVED VALVE BOXES (SEE SPECS AND NOTES). LOCATE VALVE

THE CONTRACTOR SHALL PREPARE AN ASBUILT MYLAR SET OF PLANS FOR THE OWNER.

PRESSURE, BASED ON HIGHEST VALUE, FOR 24 HOURS WITH A PARKS DEPARTMENT

THE MAINLINE SHALL BE PRESSURE TESTED AT 50 PSI ABOVE STATIC PRESSURE OR DESIGN

PLANS ARE DIAGRAMMATIC AND APPROXIMATE DUE TO SCALE OF DRAWINGS. ALL VALVES

CONTRACTOR SHALL PREPARE FOR THE OWNER AND OTHER REQUIRED ENTITIES HAVING

* WHERE UNITS ARE INDICATED TO BE CAST INTO CONCRETE OR BUILT INTO

FERROUS CASTINGS, ASTM A 27/1 27M CAST STEEL. PROVIDE BOLTS, WASHERS, AND

UNCOVERED OR NOT TOP DRESSED, UNLESS OTHERWISE SPECIFIED.

ONE FULL YEAR BEGINNING ON THE DATE OF FINAL ACCEPTANCE

SHIMS AS NEEDED, ALL HOT-DIP GALVANIZED PER ASTM F 2329.

* ALL TREES SHALL BE GUARANTEED FOR THE PERIOD OF

CARE AND REPLACEMENT

THAN 24" O.C.

FURNISHED BY OTHERS

TIGHT, PRIOR TO BACKFILL.

REPRESENTATIVE PRESENT.

COMPONENTS AND PRODUCTS

MANUFACTURER.

IRRIGATION NOTES

DRAWINGS.

GENERAL

STEEL FABRICATION NOTES

REMOVE BURRS AND EASE EDGES.

WELD CORNERS AND SEAMS CONTINUOUSLY.

QUALITY, P.O. BOX 13087, AUSTIN, TX 78711-3087.

FULL COVERAGE WITHOUT EXCESSIVE OVERFLOW.

GOVERNMENTAL BODIES HAVING JURISDICTION.

STONES IN BACKFILL LARGER THAN 1/2" IN DIAMETER.

COORDINATE PROGRAMS TO AVOID STATION OVERLAP.

INDICATED ON THE PLANS, DETAILS AND SPECIFICATIONS.

FULLY OPERABLE AT THE TIME OF PLANT INSTALLATION.

COMPLY WITH REQUIREMENTS OF THE I.P.C. AND ANY OTHER

ALL BACKFILL SHALL BE IMPORTED CLEAN MATERIAL. TRENCH IS TO

TRENCH BACKFILL MATERIAL SHALL BE COMPACTED 85% PROCTOR DENSITY

CONTRACTOR TO FLUSH ALL LINES PRIOR TO INSTALLING HEADS AND EMITTERS.

BOXES IN GROUPINGS OF TWO OR THREE AND LOCATE NEAR WALKWAYS WHERE

POSSIBLE. ALL VALVES TO BE TAGGED WITH THE VALVE RESPECTIVE NUMBER.

ALL COMPONENTS INSTALLED AS THE UNDERGROUND IRRIGATION SYSTEM ARE

NEW AND IN GOOD WORKING ORDER AND WITHOUT FLAWS UNLESS OTHERWISE

IF THE CONTRACT DRAWINGS AND/OR SPECIFICATIONS DO NOT THOROUGHLY DESCRIBE

THE METHOD OR TECHNIQUES TO BE USED FOR INSTALLATION. THE CONTRACTOR SHALL

FOLLOW THE INSTALLATION METHODS RECOMMENDED BY THE PARKS DEPARTMENT AND /OR

U.S. SPRINT TELECOMM

(915) 496-5244 (915) 594-5500 (800) MCI-WORK (915) 772-1123 (915) 680-7200 (800) 545-6005 (800) 852-3786

(915) 543-5720 (800) 521-0579

WARNING ! **BEFORE YOU DIG**

FOR FIELD LOCATING EXISTING UTILITIES

RVE NOE

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SHEET TITLE

PARKS NOTES

SHEET NO.

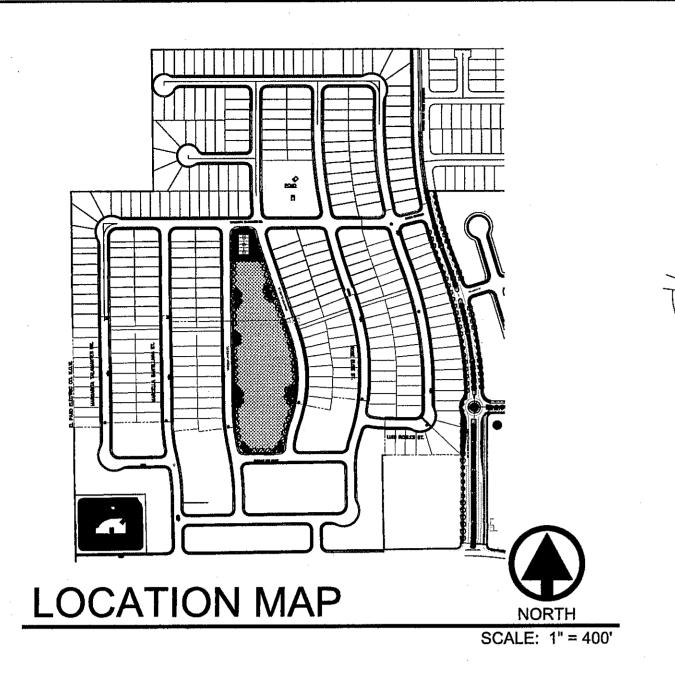
6 SHEET 6 OF 8

CARE AND REPLACEMENT

THE CONTRACTOR SHALL SUPPLY ALL WARRANTIES OF COMPONENTS OF THE IRRIGATION SYSTEM TO THE OWNER.

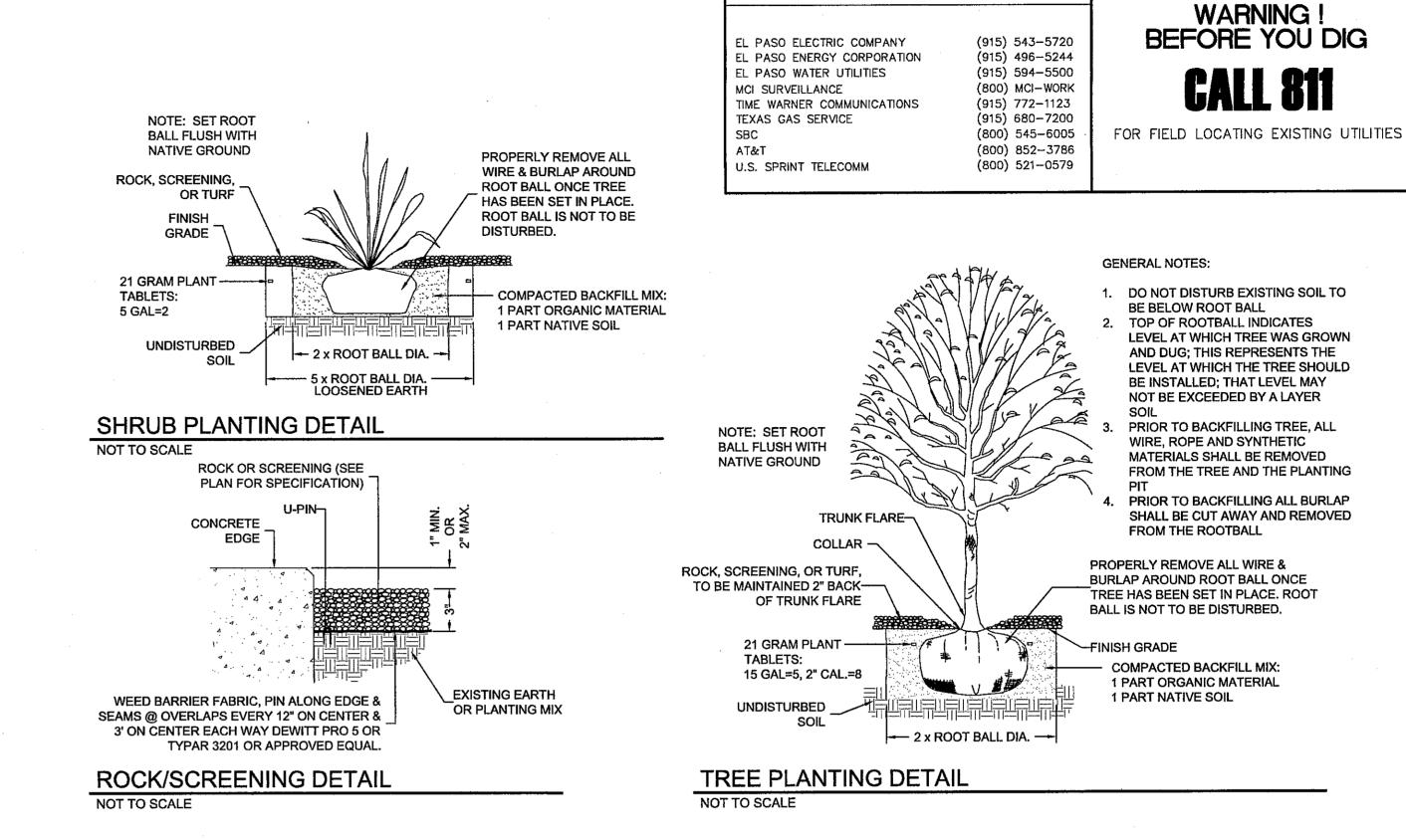
ALL PLANT MATERIALS INSTALLED SHALL HAVE THE AUTOMATIC IRRIGATION SYSTEM

THE CONTRACTOR SHALL MAINTAIN THE IRRIGATION SYSTEM IN SATISFACTORY WORKING ORDER DURING THE TIME OF CONTRACT WORK.

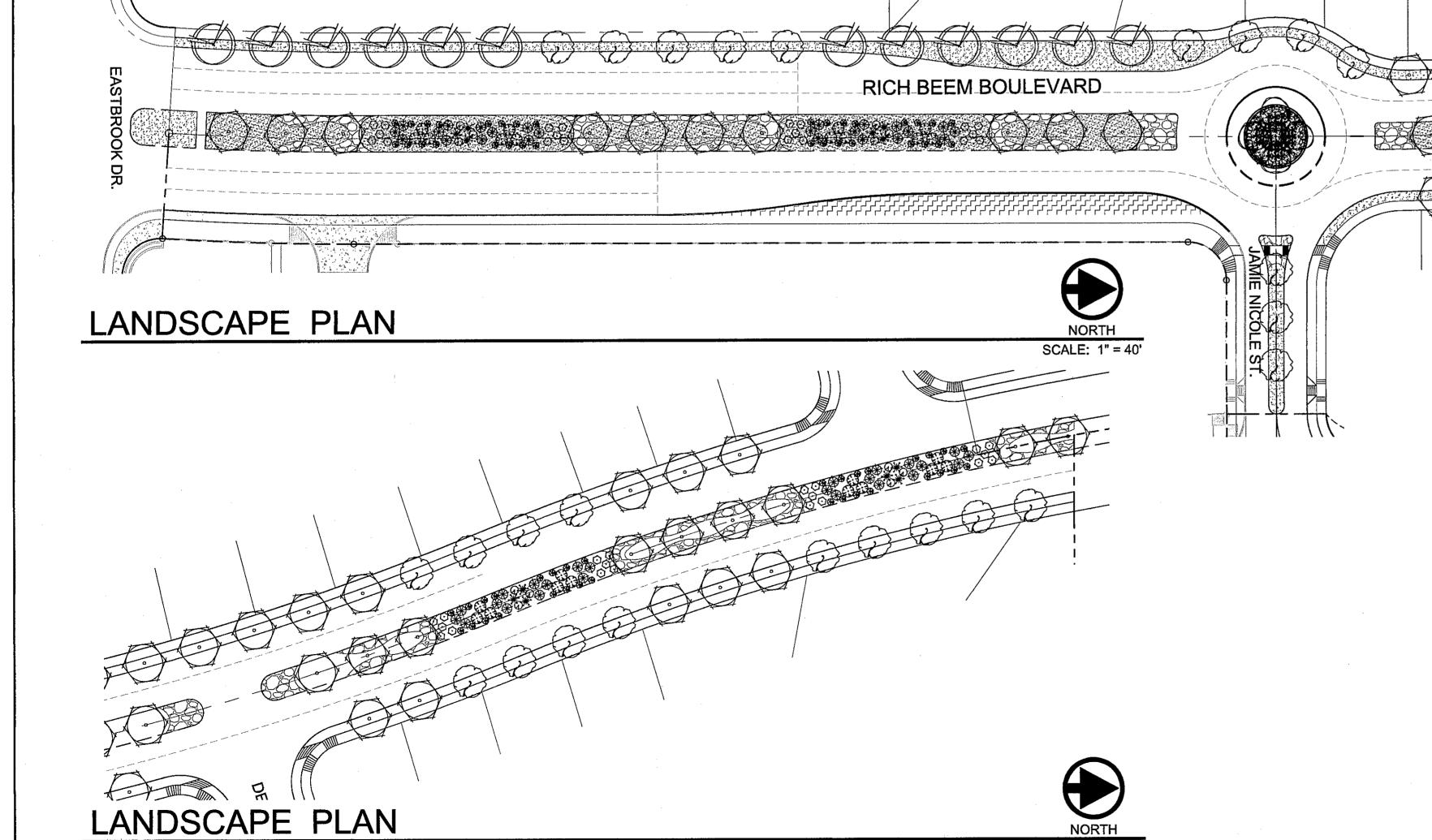


LANDSCAP	E LEGEND						
SYMBOL	COMMON NAME	BOTANICAL NAME	QTY				
2" CALIPER TRE	2" CALIPER TREE - 10' HEIGHT MINIMUM						
	'BUBBA' DESERT WILLOW	CHILOPSIS LINEARIS 'BUBBA'	32				
	HONEY MESQUITE	PROSOPIS GLANDULOSA	60				
	CHINESE PISTACHE	PISTACIA CHINENSIS	12				
5 GALLON SHR	5 GALLON SHRUB - 18" HEIGHT MINIMUM UNLESS OTHERWISE INDICATED						
+	SILVE PESO MOUNTAIN LAUREL (MULTI LEADER)		5				
5 GALLON SHR	5 GALLON SHRUB - 18" HEIGHT MINIMUM UNLESS OTHERWISE INDICATED						
*	FAXON YUCCA	YUCCA FAXONIANA	15				
*	SPINELESS PRICKLY PEAR	OPUNTIA CACANAPA	60				
€i.∋	CHIHUAHUAN RAIN SAGE	LEUCOPHYLLUM LAEVIGATUM	30				
Ø .	BLACK DALEA	DALEA FRUTESCENS	15				
Ø •	YELLOW ICE PLANT	DELOSPERMA NUBIGENUM	80				
\bigcirc	REDOLENS ACACIA	ACACIA REDOLENS	50				
\odot	TRAILING ROSEMARY	ROSMARINUS OFFICINALIS 'PROSTATA'	12				
€	INDIGO BUSH	DALEA GREGII	12				
*	BRAKE LIGHT YUCCA	HESPERALOE PARVIFLORA 'BRAKELIGHT'	24				
*	PURPLE TREE AWN	ARISTIDA PURPUREA	8				
TURE GRAVELS	S & MULCHES						

TURF, GRAVELS, & MULCHES 1" PADRE CANYON (OR EQUIVALENT), 3" DEPTH W/ DEWITT PRO-5 WEED BARRIER 4-6" POCKED RIVER ROCK, 3" DEPTH W/ DEWITT PRO-5 WEED BARRIER



UTILITY LOCATOR SERVICES



LANDSCAPE NOTES • ALL UTILITY EASEMENTS SHALL BE MARKED PRIOR TO EXCAVATION. CONTRACTOR SHALL PROVIDE ROCK SAMPLES AND OBTAIN APPROVAL FROM OWNER. • ALL TREES SHALL BE SINGLE LEADER TRUNK. ALL TREES TO BE CONTAINER GROWN. NO B&B ACCEPTED. TREES SHALL NOT TO BE TOPPED, HEADED OR SKINNED. TREES GROWN REGIONALLY IN DESERT AREAS ARE PREFERRED, AND TYPICALLY HAVE A

TO PROVIDE INVOICE INDICATING PROVENANCE TO OWNER.

TREE BRANCHES TO BE AT 6 FT. ABOVE GRADE AND CLEARANCE OF 7 FT. ABOVE SIDEWALK.

SHEET TITLE

LANDSCAPE PLAN

