

**GENERAL NOTES**

- THE CONTRACTOR SHALL VISIT AND FAMILIARIZE HIMSELF WITH THE PROJECT SITE PRIOR TO SUBMITTING BIDS.
- CONTRACTOR SHALL WATER CONSTRUCTION AREA A MINIMUM OF TWICE A DAY TO KEEP DUST TO A MINIMUM - ONCE IN THE MORNING AND BEFORE QUITTING TIME. THIS SHALL ALSO BE DONE DURING WEEKENDS AND HOLIDAYS.
- IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE, PROTECT, AND REPLACE ALL UNDERGROUND UTILITY LINES AT NO EXTRA COST TO THE OWNER WHEN LINES ARE DISTURBED AS A RESULT OF THE WORK.
- IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO SCHEDULE AND PERFORM HIS WORK SO AS TO ASSURE PROPER PASSAGE OF STORM RUNOFF DURING THE COURSE OF HIS OPERATIONS. ALL LABOR, TOOLS, EQUIPMENT, AND SUPERVISION REQUIRED TO ASSURE SUCH PROPER PASSAGE OF RUNOFF WATER AND ANY REMOVAL OR HANDLING OF WATER IN ORDER TO MAINTAIN DRY CONDITIONS SHALL BE CONSIDERED INCIDENTAL TO THE WORK, AND SHALL BE AT THE EXPENSE OF THE CONTRACTOR.
- THE CONTRACTOR SHALL COORDINATE THE CONSTRUCTION SCHEDULE WITH THE USER, ALL UTILITIES, AND ALL OTHER AGENCIES WITH JURISDICTION OVER THE PROJECT.
- ALL EXISTING PAVEMENT, ADJACENT UTILITIES, STRUCTURES, ETC., DISTURBED AS A RESULT OF THE NEW CONSTRUCTION, SHALL BE REPLACED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
- THE OWNER WILL FURNISH HORIZONTAL AND VERTICAL CONTROL REFERENCED POINTS ONLY. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND GRADES BEFORE PROCEEDING WITH THE WORK. ANY DISCREPANCIES FOUND SHALL BE REPORTED IMMEDIATELY TO THE ENGINEER, OTHERWISE THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR THEIR CORRECTNESS.
- SEE REFERENCED BENCHMARK ON TITLE BLOCK FOR DATUM ELEVATIONS.
- VIBRATORY ROLLERS WILL NOT BE PERMITTED ON ANY PHASE OF THIS PROJECT, UNLESS APPROVED IN WRITING BY THE ENGINEER.
- ALL WORK REQUIRED BY THESE PLANS SHALL BE CONDUCTED IN CONFORMANCE WITH CURRENT SAFETY CODES AND STANDARDS WITH JURISDICTION OVER THE PROJECT.
- THE LOCATION OF THE INLETS SHALL BE AT THE FIELD LOW POINT AND APPROVED BY THE ENGINEER.

**GRADING SPECIFICATIONS**

- CLEARING AND GRUBBING: CLEAR SITE OF TREES, SHRUBS AND OTHER VEGETATION; COMPLETELY REMOVE STUMPS, ROOTS AND OTHER DEBRIS PROTRUDING THROUGH GROUND SURFACE; FILL DEPRESSIONS CAUSED BY CLEARING AND GRUBBING OPERATIONS WITH SATISFACTORY FILL MATERIAL, UNLESS FURTHER EXCAVATION OF EARTHWORK IS INDICATED; REMOVE EXISTING ABOVE-GRADE AND BELOW-GRADE IMPROVEMENTS AS INDICATED AND AS NECESSARY TO FACILITATE NEW CONSTRUCTION. BURNING IS NOT PERMITTED ON OWNER'S PROPERTY. REMOVE WASTE MATERIALS FROM OWNER'S PROPERTY.
- SATISFACTORY FILL MATERIALS: FILL MATERIALS SHALL BE FREE OF ANY ORGANIC OR DELETERIOUS SUBSTANCE AND SHALL NOT CONTAIN ROCKS OR LUMPS OVER 3 INCHES IN GREATEST DIMENSION AND SHALL BE DEFINED AS THOSE COMPLYING WITH ASTM D2487 SOIL CLASSIFICATION GROUPS GW, GP, GM, GC, SM, SP, SM, AND SC.
- UNSATISFACTORY FILL MATERIAL: ARE DEFINED AS THOSE COMPLYING WITH ASTM D2487 SOIL CLASSIFICATION GROUPS ML, MH, CL, CH, OL, OH, AND PT, OR WHERE THE PLASTICITY INDEX EXCEEDS 12, UNLESS OTHERWISE APPROVED BY ENGINEER, OR CITY ENGINEER.
- EXCAVATION: IS UNCLASSIFIED AND INCLUDES EXCAVATION TO ELEVATIONS INDICATED, REGARDLESS OF CHARACTER OF MATERIAL AND OBSTRUCTIONS ENCOUNTERED.
- GROUND SURFACE PREPARATION FOR FILL: REMOVE VEGETATION, DEBRIS, UNSATISFACTORY SOIL MATERIAL, OBSTRUCTIONS, AND DELETERIOUS MATERIAL FROM GROUND SURFACE UPON WHICH THE FILL IS TO BE PLACED. THE SURFACE SHALL THEN BE SCARIFIED TO A DEPTH OF AT LEAST 6-INCHES, AND UNTIL THE SURFACE IS FREE FROM RUTS, HUMMOCKS OR OTHER UNEVEN FEATURES WHICH WOULD PREVENT UNIFORM COMPACTION. PLOW STRIP, OR BREAK UP SLOPED SURFACES STEEPER THAN 1 VERTICAL TO 4 HORIZONTAL SO THAT FILL MATERIAL WILL BOND WITH 1 VERTICAL TO 4 HORIZONTAL SO THAT FILL MATERIAL WILL BOND WITH EXISTING SURFACE. AFTER PLOWING AND SCARIFYING FILL AREA, IT SHALL THEN BE DISCED OR BLADED UNTIL IT IS UNIFORM AND FREE FROM LARGE CLODS, BROUGHT TO OPTIMUM MOISTURE, AND COMPACTED TO 95% OF MAXIMUM DENSITY IN ACCORDANCE WITH ASTM D-1557.
- PLACEMENT OF FILL: PLACE BACKFILL AND FILL MATERIALS IN LAYERS NOT MORE THAN 8 INCHES IN LOOSE DEPTH FOR MATERIAL COMPACTED BY HEAVY COMPACTION EQUIPMENT, AND NOT MORE THAN 4 INCHES IN LOOSE DEPTH FOR MATERIAL COMPACTED BY HAND-OPERATED TAMPERS. BEFORE COMPACTION, MOISTEN OR AERATE EACH LAYER AS NECESSARY TO PROVIDE OPTIMUM MOISTURE CONTENT. PLACE FILL MATERIALS EVENLY ADJACENT TO SITE APPURTENANCES, PIPING, OR CONDUIT TO REQUIRED ELEVATIONS. PREVENT WEDGING ACTION OF BACKFILL AGAINST SITE APPURTENANCES OR DISPLACEMENT OF PIPING OR CONDUIT BY CARRYING MATERIAL UNIFORMLY AROUND SITE APPURTENANCES, PIPING, OR CONDUIT TO APPROXIMATELY SAME ELEVATION IN EACH LIFT. COMPACT SOIL TO NOT LESS THAN 95% OF MAXIMUM DENSITY, IN ACCORDANCE WITH ASTM D-1557.
- MOISTURE CONTROL: WHERE SUBGRADE OR LAYER OF SOIL MATERIAL MUST BE CONDITIONED FOR OPTIMUM MOISTURE BEFORE COMPACTION, UNIFORMLY APPLY WATER TO SURFACE OF SUBGRADE OR LAYER OF SOIL MATERIAL. APPLY WATER IN MINIMUM QUANTITY AS NECESSARY TO PREVENT FREE WATER FROM APPEARING ON SURFACE DURING OR SUBSEQUENT TO COMPACTION OPERATIONS. WATER CONTENT SHALL BE WITHIN 2 PERCENTAGE POINTS OF OPTIMUM MOISTURE CONTENT. REMOVE AND REPLACE, OR SCARIFY AND AIR DRY SOIL MATERIAL THAT IS TOO WET TO PERMIT COMPACTION TO SPECIFIED DENSITY.
- QUALITY CONTROL: THE OWNER SHALL PROVIDE A GEOTECHNICAL ENGINEER TO PERFORM FIELD DENSITY TEST OF THE COMPACTION OF EACH LAYER OF FILL. DENSITY TESTS SHALL BE TAKEN IN THE COMPACTED MATERIAL BELOW THE DISTURBED SURFACE. WHEN THESE TESTS INDICATE THAT THE DENSITY OF ANY LAYER OF FILL OR PORTION THEREOF IS BELOW THE REQUIRED DENSITY, THE PARTICULAR LAYER OR PORTION SHALL BE REWORKED UNTIL THE REQUIRED DENSITY HAS BEEN OBTAINED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL ADDITIONAL TESTING AND WHEN REQUIRED DENSITIES ARE NOT MET, SUPERVISION BY THE GEOTECHNICAL ENGINEER DURING THE GRADING OPERATIONS TO ENSURE GRADING WORK IN ACCORDANCE WITH THIS PLAN AND SPECIFICATIONS.

**ABBREVIATIONS**

LP	LOW POINT
HP	HIGH POINT
ELEV	ELEVATION
STA	STATION
VCS	VERTICAL CURVE STATION
VCE	VERTICAL CURVE ELEVATION
TC	TOP OF CURB
TM	TOP OF MEDIAN
TP	TOP OF PAVEMENT
TYP	TYPICAL
PVC	POINT OF VERTICAL CURVE
PVI	POINT OF VERTICAL INTERSECTION
PVT	POINT OF VERTICAL TANGENT
AD	ALGEBRAIC DIFFERENCE
CR	CURVE RETURN
ROW	RIGHT OF WAY
CL	CENTER LINE
PL	PROPERTY LINE
FG	FINISH GRADE
FF	FINISH FLOOR
EG	EXISTING GRADE
MIN.	MINIMUM
MAX.	MAXIMUM
ROP	REINFORCED CONCRETE PIPE
Q	QUANTITY
CAP	CAPACITY
EXP	EXPECTED
INV	INVERT
CFS	CUBIC FEET PER SECOND
A	AREA
DA	DRAINAGE AREA
LF	LINEAR FEET
STD	STANDARD
CONC	CONCRETE
PC	POINT OF CURVATURE
PI	POINT OF INTERSECTION
PT	POINT OF TANGENT
L	LENGTH
R	RADIUS
Δ	TANGENT
δ	DELTA ANGLE
S	SLOPE
TEMP	TEMPORARY
V	VELOCITY IN FEET PER SECOND
HGL	HYDRAULIC GRADE LINE
HWE	HIGH WATER ELEVATION

**LEGEND**

---	SUBDIVISION BOUNDARY
---	ROW LINE
---	CURB LINE
---	PROPERTY LINE
---	STREET CENTERLINE
---	EASEMENT LINE
---	MATCH LINE
---	STORM SEWER LINE
---	HIGH WATER MARK
---	CURB AND GUTTER DROP INLET
⊙	STORM SEWER MANHOLE
4000	FINISHED GROUND CONTOUR ELEVATION (INDEX)
---	FINISHED GROUND CONTOUR ELEVATION (INTERMEDIATE)
4000	EXISTING GROUND CONTOUR ELEVATION (INDEX)
---	EXISTING GROUND CONTOUR ELEVATION (INTERMEDIATE)
⊖	NEW RETAINING ROCKWALL (2'-3' IN HEIGHT)
⊖	NEW RETAINING ROCKWALL (3'-9' IN HEIGHT)
⊗	STANDARD DETAIL/SECTION NUMBER
⊗	SHEET NUMBER WHERE STANDARD/SECTION DETAIL IS LOCATED
4000.00	FINISHED SPOT ELEVATION
FG 56.00	LOT FINISHED GROUND ELEVATION
TC 4000.00	TOP OF CURB ELEVATION
TP 4000.00	TOP OF PAVEMENT ELEVATION
1 ②	SUBDIVISION LOT AND BLOCK NUMBER
→	DRAINAGE FLOW
▲	HIGH POINT
▼	LOW POINT
◁▷	EXISTING HIGH POINT
▷◁	EXISTING LOW POINT
◁▷	HEADWALL WITH WINGWALLS
DA-4	DRAINAGE AREA
3:1 SLOPE	HORIZONTAL:VERTICAL SLOPE RATIO
⊠	WHEELCHAIR RAMP

UTILITY LOCATOR SERVICES	
EL PASO ELECTRIC COMPANY	(915) 543-5720
EL PASO ENERGY CORPORATION	(915) 496-5244
EL PASO WATER UTILITIES	(915) 594-5500
MCI SURVEILLANCE	(800) MCI-WORK
TIME WARNER COMMUNICATIONS	(915) 772-1123
TEXAS GAS SERVICE	(915) 680-7200
SBC	(800) 545-6005
AT&T	(800) 852-3786
U.S. SPRINT TELECOMM	(800) 521-0579

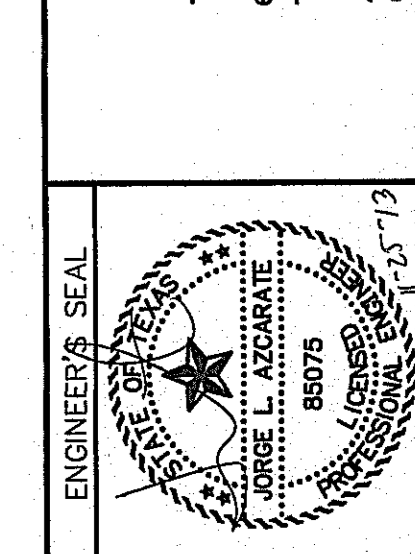
**WARNING I  
BEFORE YOU DIG**  
CALL  
1-800-DIG-TESS  
1-800-344-8377  
FOR FIELD LOCATING EXISTING UTILITIES

**INDEX OF DRAWINGS**

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DATE	REVISIONS	BY

**CSA**  
engineers • architects • planners  
TEXAS REGISTERED ENGINEERING FIRM #1484  
4712 Woodrow Bann, Ste. F, El Paso, TX 79924  
Office: 915.544.5232 Fax: 915.544.6239 www.csaeng.com



SCALE:  
Horizontal: N/A  
Vertical: N/A  
Contour Interval: N/A  
DATE: OCTOBER 2013  
DESIGN BY: R.O.  
DRAWN BY: J.G.  
CHKD. BY: J.L.A.  
APP'D. BY: J.L.A.  
JOB No. 2000-1381D

PROJECT TITLE  
**MESQUITE TRAILS UNIT SEVEN  
AMENDING PLAT  
SUBDIVISION IMPROVEMENTS**

**CITY DEVELOPMENT DEPARTMENT**  
**REVIEWED**

**SPECIAL CONDITIONS**

- CONTRACTOR SHALL HAVE A QUALIFIED PROJECT SUPERINTENDENT AT THE PROJECT SITE AT ALL TIMES DURING THE CONSTRUCTION DURATION.
- CONTRACTOR SHALL PREPARE CURB GRADES WITHIN 0.10- FEET.
- CONTRACTOR TO INSTALL AND MAINTAIN SW3P BEST MANAGEMENT PRACTICES AS INDICATED ON THE PLANS. CONTRACTOR SHALL COMPLY WITH THE SW3P SPECIFICATIONS, AND TCEQ RULES AND REGULATIONS. CONTRACTOR SHALL BE RESPONSIBLE FOR CONFORMING TO ALL SWP3 REGULATIONS.
- CONTRACTOR SHALL CONSTRUCT TEMPORARY SLOPES BETWEEN LOTS THAT HAVE A VERTICAL GRADE DIFFERENTIAL OF OVER 4- FEET.

SHEET TITLE
GENERAL INFORMATION
SHEET NO.
<b>C1.1</b>

S:\2000\2000-1381D\DWG\CONSTRUCTION\Drawings\Amending Plat - SWP3\11-Cover\030813.dwg, Model: 11/29/2013 11:54:38 AM

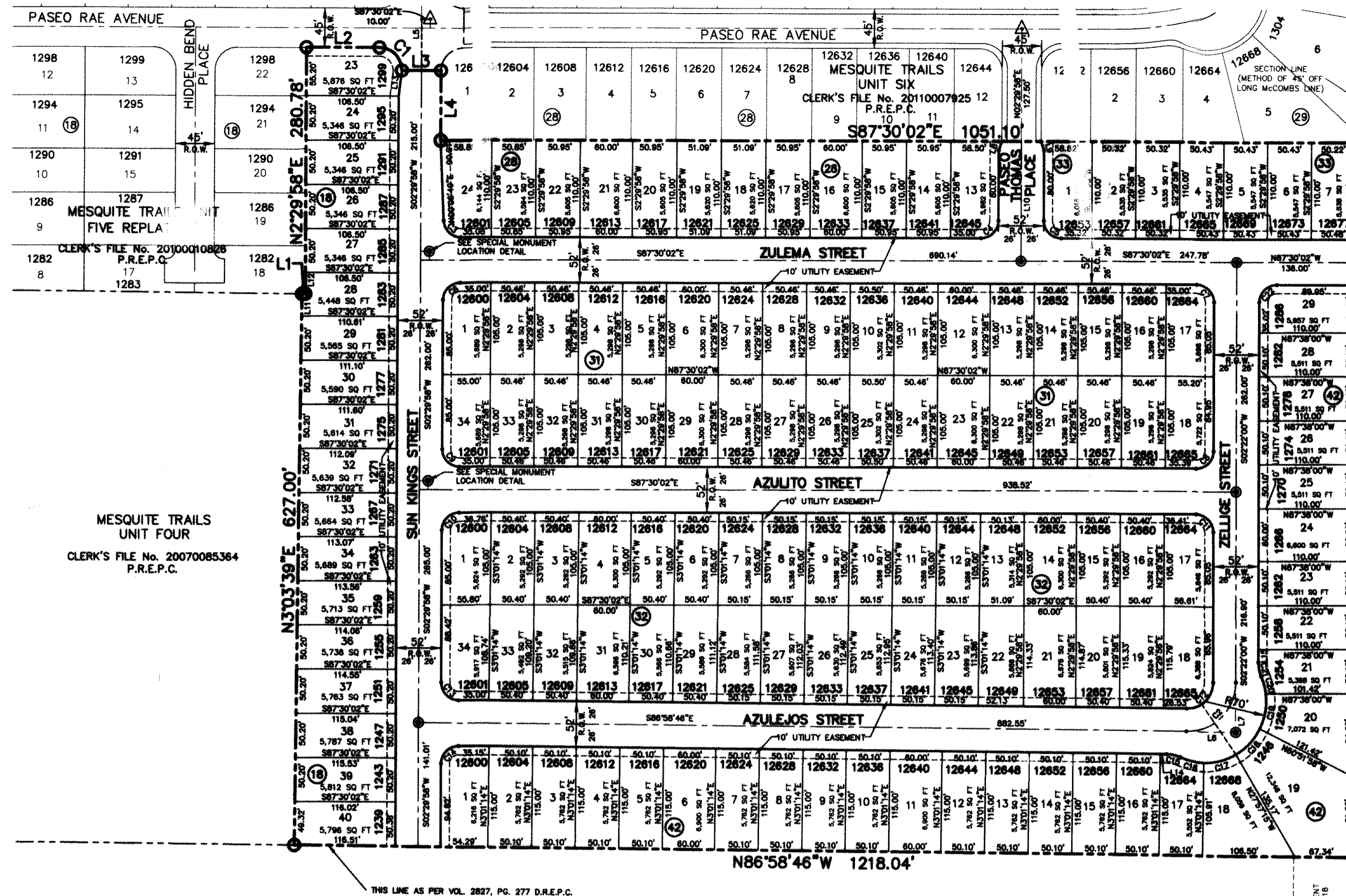


# MESQUITE TRAILS UNIT SEVEN AMENDING PLAT

BEING A PORTION OF  
SECTION No. 16, BLOCK 79, TOWNSHIP 3,  
TEXAS AND PACIFIC RAILWAY  
COMPANY SURVEYS, CITY OF EL PASO,  
EL PASO COUNTY, TEXAS  
CONTAINING 22.84 ACRES ±

CURVE TABLE					
CURVE	RADIUS	LENGTH	TANGENT	CHORD	DELTA
C1	26.00'	40.84'	26.00'	36.77'	S42°30'02"E 090°00'00"
C2	56.00'	88.60'	56.64'	79.65'	N47°41'37"E 090°39'14"
C3	20.00'	30.58'	19.18'	27.69'	S43°41'37"E 087°36'51"
C4	20.00'	31.42'	20.00'	28.28'	N47°29'58"E 090°00'00"
C5	20.00'	31.42'	20.00'	28.28'	S42°30'02"E 090°00'00"
C6	20.00'	31.42'	20.00'	28.28'	S47°29'58"W 090°00'00"
C7	20.00'	31.37'	19.95'	28.25'	N42°34'01"W 089°52'02"
C8	20.00'	31.46'	20.05'	28.32'	N47°25'59"E 090°07'58"
C9	20.00'	31.42'	20.00'	28.28'	S42°30'02"E 090°00'00"
C10	20.00'	31.42'	20.00'	28.28'	S47°29'58"W 090°00'00"
C11	20.00'	31.37'	19.95'	28.25'	N42°34'01"W 089°52'02"
C12	30.00'	47.47'	30.34'	42.67'	N47°41'37"E 090°39'14"
C13	20.00'	31.23'	19.82'	28.16'	S42°14'24"E 089°28'44"
C14	20.00'	31.60'	20.18'	28.41'	S47°45'38"W 090°31'16"
C15	40.00'	16.38'	8.30'	16.26'	N75°15'00"W 023°27'31"
C16	70.00'	27.75'	14.06'	27.57'	S74°52'39"E 022°42'49"
C17	70.00'	38.75'	19.89'	38.26'	N77°54'21"E 031°43'12"
C18	70.00'	40.21'	20.68'	39.66'	N45°35'24"E 032°54'42"
C19	70.00'	41.13'	21.18'	40.54'	N12°16'02"E 033°40'01"
C20	70.00'	20.23'	10.19'	20.16'	N12°48'45"W 016°33'33"
C21	40.00'	16.38'	8.30'	16.26'	S09°21'46"E 023°27'31"
C22	20.00'	31.46'	20.05'	28.32'	S47°25'59"W 090°07'58"

LINE TABLE		
LINE	BEARING	LENGTH
L1	S86°58'46"E	3.86'
L2	S87°30'02"E	84.00'
L3	S87°30'02"E	45.00'
L4	S02°29'58"W	79.00'
L5	N02°29'58"E	58.50'
L6	S86°58'46"E	56.64'
L7	S02°22'00"W	56.64'
L8	N21°47'22"E	10.59'
L9	N16°47'26"W	10.59'
L10	S02°29'58"W	136.00'
L11	N03°03'38"E	25.48'
L12	S02°29'58"W	24.78'
L13	N09°20'04"E	29.41'
L14	S86°58'46"E	7.22'
L15	S02°22'00"W	14.72'



25' P.S.B. EASEMENT  
DOC# 2008099489  
D.R.E.P.C.  
THIS LINE AS PER  
VOL. 2827, PG. 277  
D.R.E.P.C.

A PORTION OF  
SECTION No. 15, BLOCK 79, TOWNSHIP 3,  
TEXAS AND PACIFIC RAILWAY COMPANY SURVEYS,  
CITY OF EL PASO, EL PASO COUNTY, TEXAS  
DOC# 20090072301  
D.R.E.P.C.

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DOC# 20090072301  
D.R.E.P.C.

### LEGEND

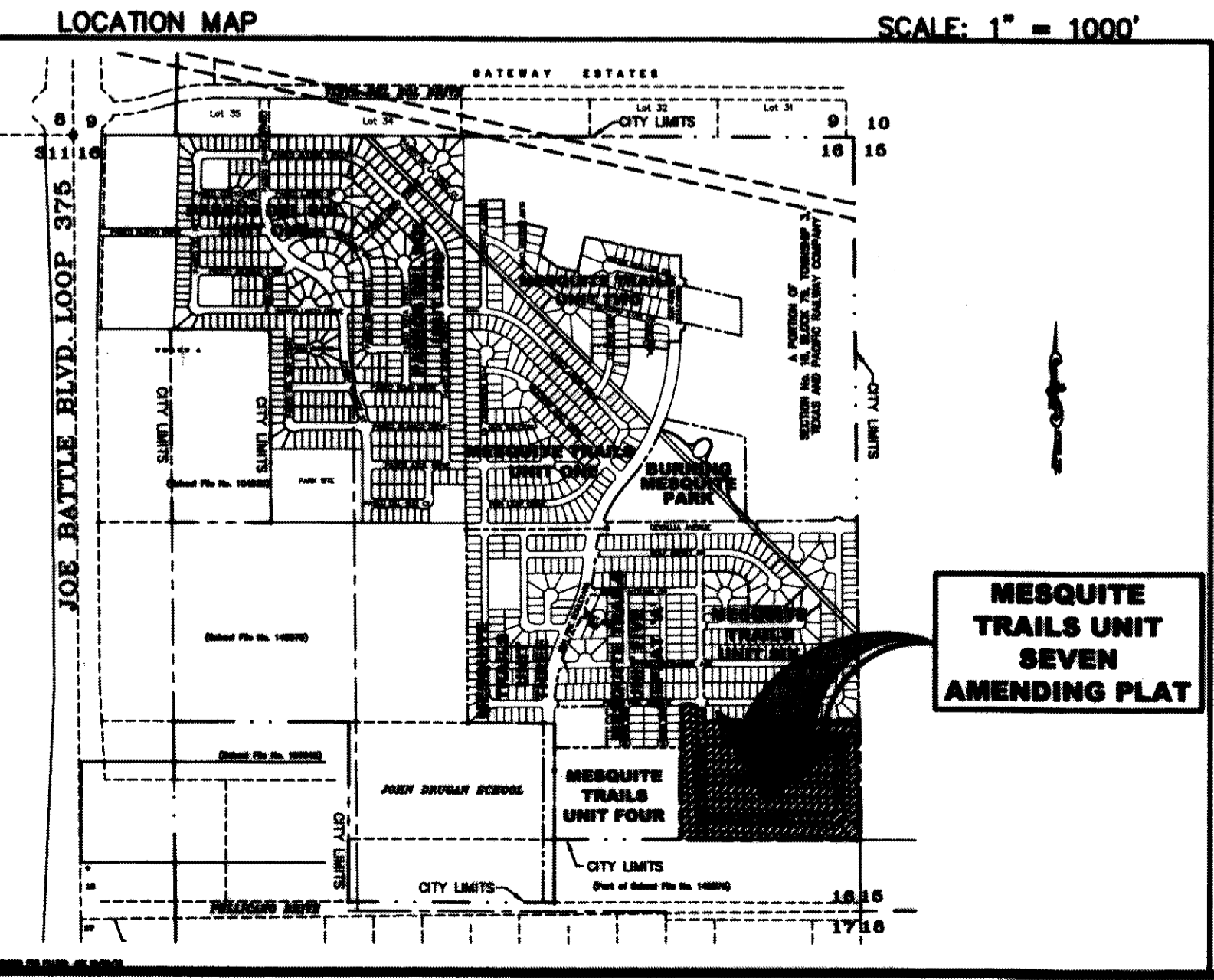
- PROPOSED CITY MONUMENT.  
(MAY BE SUBJECT TO RELOCATION AT TIME OF CONSTRUCTION.  
FOR EXACT LOCATION PLEASE CONTACT THE CITY OF EL PASO)
- △ EXISTING MONUMENT
- SUBDIVISION BOUNDARY CORNER
- ① LOT AND BLOCK NUMBER
- D.R.E.P.C. DEED RECORDS OF EL PASO COUNTY, TEXAS
- P.R.E.P.C. PLAT RECORDS OF EL PASO COUNTY, TEXAS

**SCHOOL DISTRICT**  
SOCORRO INDEPENDENT SCHOOL DISTRICT  
12300 EASTLAKE DRIVE, EL PASO TX 79928

**PROPOSED LAND USE**  
RESIDENTIAL LOTS = 134

**BENCHMARK.**  
EXISTING CITY MONUMENT  
ELEVATION 4003.10 FEET (CITY DATUM)  
LOCATED AT THE CENTERLINE INTERSECTION OF  
PASEO ALEGRE CIRCLE AND PASEO LINDO DRIVE.

**AMENDING REASON**  
1. MODIFY LOT WIDTHS ON BLOCKS 28, 31, 32,  
AND 42.



**PLAT NOTES AND RESTRICTIONS:**

THIS IS TO CERTIFY THAT WATER AND SEWER SERVICES WILL BE PROVIDED TO MESQUITE TRAILS UNIT SEVEN REPLAT 'A' BY THE EL PASO WATER UTILITIES/PUBLIC SERVICE BOARD IN ACCORDANCE WITH THEIR RULES AND REGULATIONS AND WITH SECTION 16.343 OF THE TEXAS WATER CODE. WATER AND SEWER SERVICES WILL BE EXTENDED TO THE SUBDIVISION FROM EXISTING FACILITIES LOCATED ON SUN KINGS STREET AND WILL BE CONSTRUCTED TO SERVE THE SUBDIVISION.

TAX CERTIFICATE(S) FOR THIS SUBDIVISION ARE IN THE OFFICE OF THE COUNTY CLERK, DEED AND RECORD SECTION, INSTRUMENT No. 2013 02 94147, DATE 12/30/13.

VEHICULAR ACCESS TO RESIDENTIAL LOTS 1 AND 34 BLOCK 32, LOTS 1 AND 34 BLOCK 31, LOT 24 BLOCK 28, AND BLOCK 42 ABUTTING SUN KINGS STREET, LOTS 17 AND 18 BLOCK 32, LOTS 17 AND 18 BLOCK 31 ABUTTING ZELLENE STREET, LOT 13 BLOCK 28, AND LOT 1 BLOCK 33 ABUTTING PASEO THOMAS PLACE, AND LOT 29 BLOCK 42 ABUTTING ZULEMA STREET SHALL BE FROM OTHER DEDICATED STREETS ONLY. THE INSTRUMENT ASSUMING RELEASE OF ACCESS FILED IN THE OFFICE OF THE COUNTY CLERK, DEED AND RECORD SECTION.

INSTRUMENT No. 2013 02 94149, DATE 12/30/13.

RESTRICTIVE COVENANTS FOR THIS SUBDIVISION ARE FILED IN THE OFFICE OF THE COUNTY CLERK, DEED AND RECORD SECTION.

INSTRUMENT No. 2013 02 94148, DATE 12/30/13.

SUBDIVISION IMPROVEMENTS AGREEMENT & GUARANTEE FOR THIS SUBDIVISION IS FILED IN THE OFFICE OF THE COUNTY CLERK, DEED AND RECORD SECTION.

INSTRUMENT No. 2013 02 94150, DATE 12/30/13.

INTERIOR LOT CORNERS WILL BE SET UPON COMPLETION OF CONSTRUCTION OF ROADWAYS AND UTILITIES.

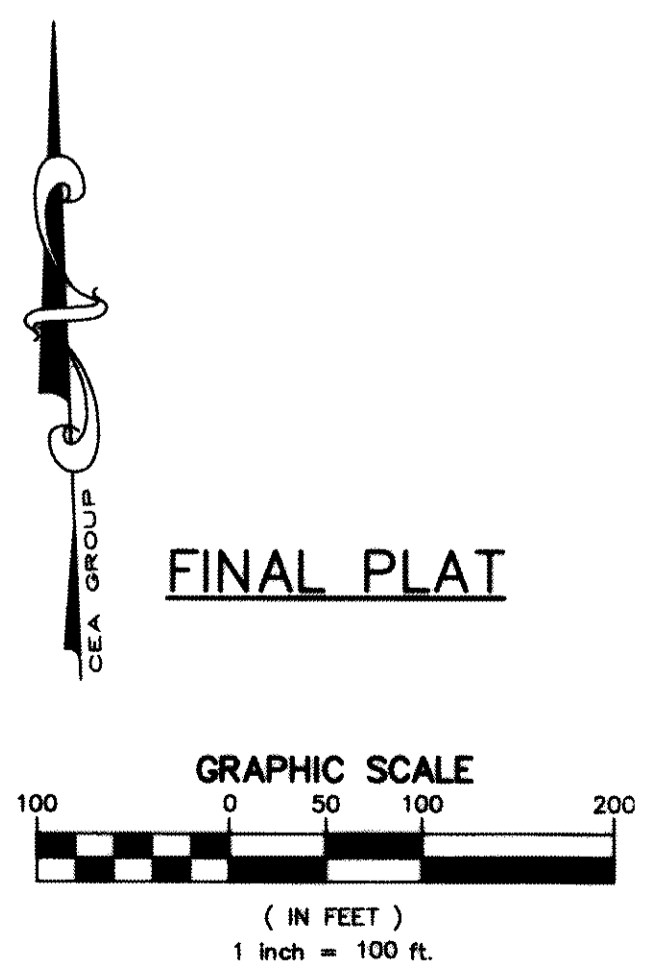
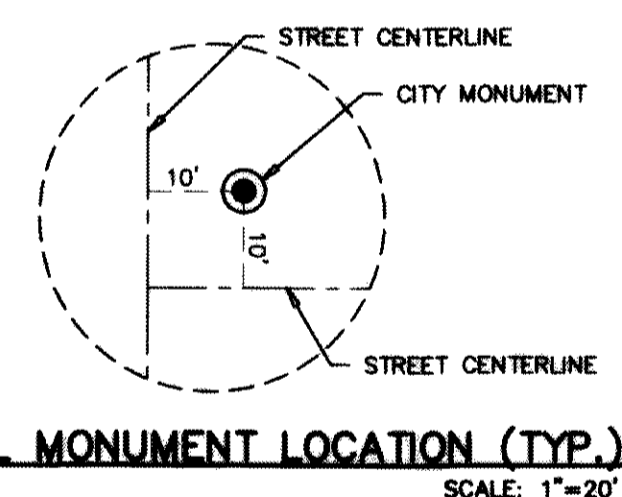
SET 5/8 REBAR WITH CAP STAMPED "B&A" AT ALL EXTERIOR BOUNDARY CORNERS UNLESS OTHERWISE SHOWN.

"U.S. POSTAL SERVICE DELIVERY WILL BE PROVIDED THROUGH NEIGHBORHOOD DELIVERY AND COLLECTION BOX UNITS."

THIS SUBDIVISION LIES WITHIN IN ZONE "X" AS DESIGNATED IN PANEL NO. 480214 0046 C, DATED FEBRUARY 16, 2006, OF THE FLOOD INSURANCE RATE MAPS, EL PASO COUNTY, TEXAS. ZONE "X" INDICATES AREAS DETERMINED TO BE OUTSIDE 500-YEAR FLOODPLAIN.

BEARINGS SHOWN ARE GRID BEARINGS DERIVED FROM RTK OBSERVATIONS, REFERRED TO THE STATE PLANE COORDINATE SYSTEM (NAD 83) 1993 ADJUSTMENT, CENTRAL ZONE OF TEXAS. DISTANCES ARE GROUND DISTANCE.

DEED REFERENCE: VOL. 2827, PG. 277, AND DOC# 20040106230, DEED RECORDS OF EL PASO COUNTY, TEXAS.



### DEDICATION

Americas Loop 375 Joint Venture, the owners of this land, do hereby present this map and dedicate their respective portions of property to the use of the public, the street, drives, and utility easements as hereon laid down and designated, including easements for overhead service wires for pole utility lines 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 and shrubs.

Witness my signature this 14th day of December 2013.

R. L. BOWLING III, Managing Partner  
Americas Loop 375 Joint Venture, L.P.

### ACKNOWLEDGEMENT

STATE OF TEXAS  
COUNTY OF EL PASO

Before me, the undersigned authority, on this day personally appeared R. L. Bowling III, 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.

Given under my hand and seal of office this 14th day of December 2013.

Notary Public in and for El Paso County, My Commission Expires January 8, 2015

### AMENDING PLAT APPROVAL STATEMENT

This subdivision is hereby approved in accordance with Chapter 212.0065 (Amending Plat) of the Local Government Code and Title 19.08.070 as to meeting the requirements for a review of an amending plat.

Doris A. Cantor Executive Secretary  
[Signature] Subdivision Coordinator

Approved for filing this 30th day of December 2013.  
[Signature] City Development Director

Filed and recorded in the office of the County Clerk of El Paso County, Texas, this 30 day of December 2013, in File No. 2013094446 of the Plat Records.

[Signature] County Clerk  
Andrew Bouscand by Deputy

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

JORGE L. AZCARATE, P.E.  
Licensed Professional Engineer  
Texas License No. 85075



**ENGINEER**  
**cea**  
engineers • architects • planners  
TEXAS REGISTERED ENGINEERING FIRM F-4564  
4712 Woodrow Dean, Ste. F, El Paso, TX 79924  
Office: 915.544.5232 Fax: 915.544.6233 www.ceagroup.net

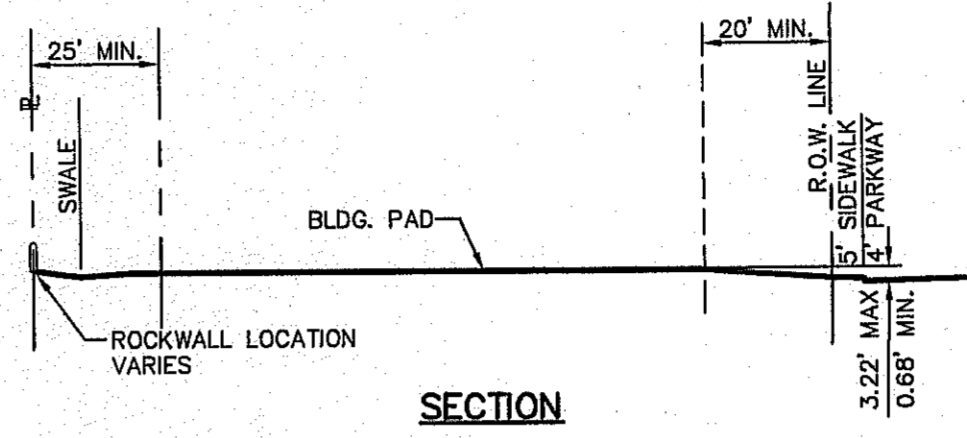
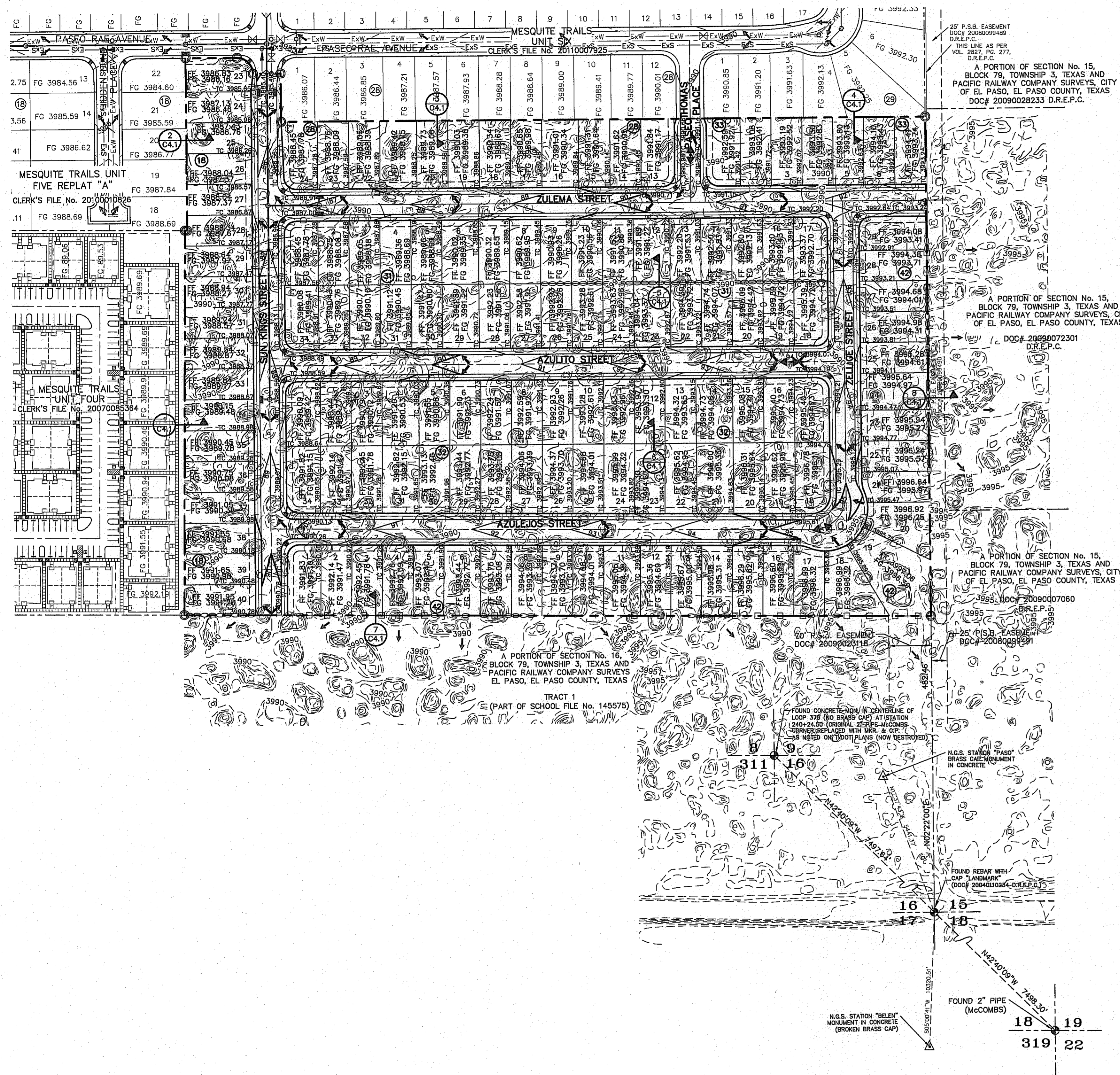
**SURVEYOR**  
**Barragan & Associates Inc.**  
LAND PLANNING & LAND SURVEYING  
10950 Pellicano Dr. Bldg. F - El Paso TX 79935  
Phone: (915) 591-5709 Fax: (915) 591-5706

CONTACT: JORGE L. AZCARATE, P.E.  
CONTACT: BENITO BARRAGAN, R.P.L.S.

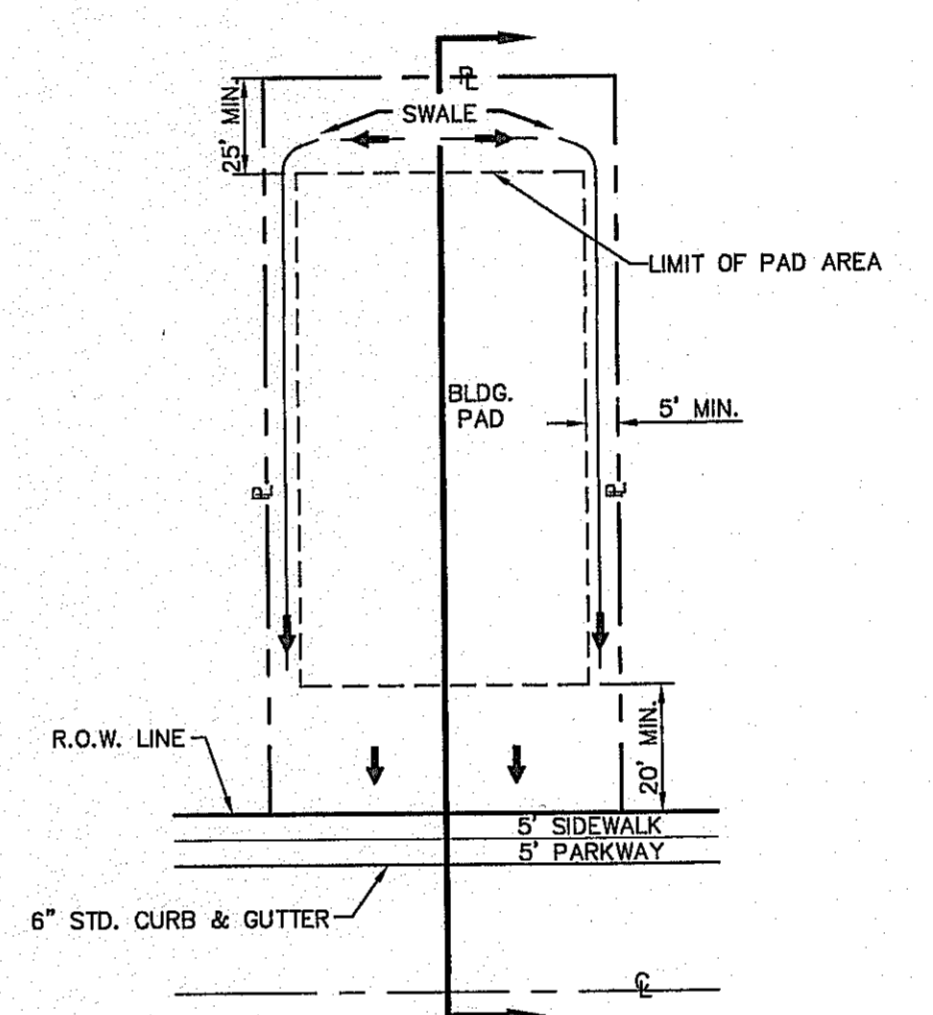
DATE OF PREPARATION: DECEMBER 09, 2013



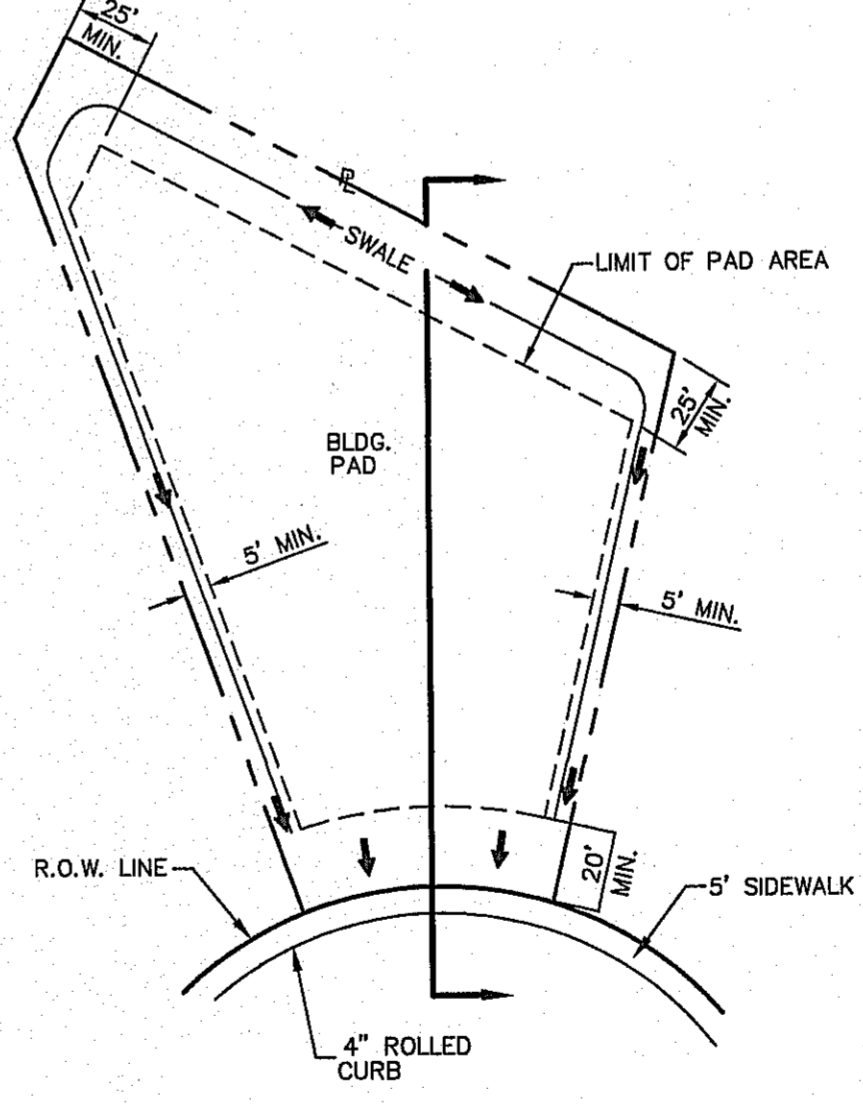
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**DRIVEWAY NOTE:**  
DRIVEWAY SLOPES MUST BE 10% MAX. FROM GUTTER FOR FIRST 12 FT. AND 14% MAX. THEREAFTER.



**TYPICAL LOT PLAN**  
SCALE: N.T.S.



**TYPICAL LOT DETAILS**  
SCALE: N.T.S.

**UTILITY LOCATOR SERVICES**

EL PASO ELECTRIC COMPANY	(915) 543-5720
EL PASO ENERGY CORPORATION	(915) 496-5244
EL PASO WATER UTILITIES	(915) 594-5500
MCI SURVEILLANCE	(800) MCI-WORK
TIME WARNER COMMUNICATIONS	(915) 772-1123
TEXAS GAS SERVICE	(915) 680-7200
SBC	(800) 545-6005
AT&T	(800) 852-3786
U.S. SPRINT TELECOMM	(800) 521-0579

**WARNING!**  
**BEFORE YOU DIG**

CALL  
**1-800-DIG-TESS**  
**1-800-344-8377**

FOR FIELD LOCATING EXISTING UTILITIES

**LEGEND:**

- SUBDIVISION BOUNDARY LINE
- STREET RIGHT OF WAY
- PROPERTY LINE
- STREET CENTERLINE
- ① LOT AND BLOCK NUMBER
- EXISTING DRAINAGE FLOW
- PROPOSED DRAINAGE FLOW
- HIGH POINT
- PROPOSED MONUMENT
- PROPERTY CORNER
- NEW 6' HIGH RETAINING ROCKWALL (2'-3' RETAINING HEIGHT)
- NEW 6' HIGH RETAINING ROCKWALL (3'-9' RETAINING HEIGHT)
- PROPOSED MAJOR CONTOURS
- PROPOSED MINOR CONTOURS
- EXISTING MAJOR CONTOURS
- EXISTING MINOR CONTOURS
- EXISTING GROUND ELEVATION
- TC 3995.12 TOP OF CURB ELEVATION
- PROPOSED INLET & STORM SEWER PIPE
- EXISTING INLET & STORM SEWER PIPE

- NOTES:**
- RETAINING WALLS SHALL BE CONSTRUCTED FOR VERTICAL GRADES GREATER THAN 2-FEET.
  - SLOPED AREAS SHALL BE MAINTAINED BY THE PROPERTY OWNERS.
  - ALL RETAINING WALLS NOT SPECIFIED TO BE CONSTRUCTED BY DEVELOPER, SHALL BE BUILT BY BUILDER.
  - DEVELOPER SHALL COMPLY WITH SECTION 13.08.170 (EXCESSIVE PAVING CUTS) OF THE EL PASO MUNICIPAL CODE.
  - IMPROVEMENTS SHALL NOT BE PLACED ON SIDEWALK (NDBCU'S, SIGNS, POLES, FIRE HYDRANTS, ETC.) REFER TO STANDARD DETAILS SHEET FOR SPECIFICATIONS.
  - IMPROVEMENTS SHALL COMPLY WITH T.A.S./A.D.A. STANDARDS.
  - WHEELCHAIR RAMP TO BE CONSTRUCTED BY DEVELOPER AS PART OF SUBDIVISION IMPROVEMENTS.

**BENCHMARK**  
EXISTING CITY MONUMENT  
ELEVATION 4003.10 FEET (CITY DATUM)  
LOCATED AT THE CENTERLINE INTERSECTION OF  
PASADO ALLEGRE CIRCLE AND PASADO LINDO DRIVE.

**FLOOD ZONE:**  
THIS SUBDIVISION LIES WITH IN ZONE "X" AS DESIGNATED IN PANEL NO. 480214-004B-C, DATED FEBRUARY 15, 2006, OF THE FLOOD INSURANCE RATE MAPS, EL PASO COUNTY, TEXAS. ZONE "X" INDICATES AREAS DETERMINED TO BE OUTSIDE 500-YEAR FLOODPLAIN.

**CITY DEVELOPMENT DEPARTMENT**

Reviewed For Conformance For Condition Related To:

- Sidewalks
- Grading & Drainage
- Wheelchair Ramps
- On Site Parking Layout
- Driveways
- Retaining Wall Width
- On Site Paving of Storm Water

Contractor Must Call 24 Hours Prior To Construction For Inspections  
**JAVIER WITIERREZ** Nov. 26/2013

**GRADING PLAN**  
SCALE: 1" = 100'

REFERENCES - BENCHMARKS  
EXISTING CITY MONUMENT  
ELEVATION 4003.10 FEET (CITY DATUM)  
LOCATED AT THE CENTERLINE INTERSECTION OF  
PASADO ALLEGRE CIRCLE AND PASADO LINDO DRIVE.

ENGINEER'S SEAL  
SCALE: 1" = 100'  
Horizontal: N/A  
Vertical: N/A  
Contour Interval: N/A  
DATE: OCTOBER 2013  
DESIGN BY: R.O.  
DRAWN BY: J.C.  
CHKD. BY: J.L.  
APP'D. BY: J.L.  
JOB No. 2000-1381.D

PROJECT TITLE  
**MESQUITE TRAILS UNIT SEVEN  
AMENDING PLAT  
SUBDIVISION IMPROVEMENTS**

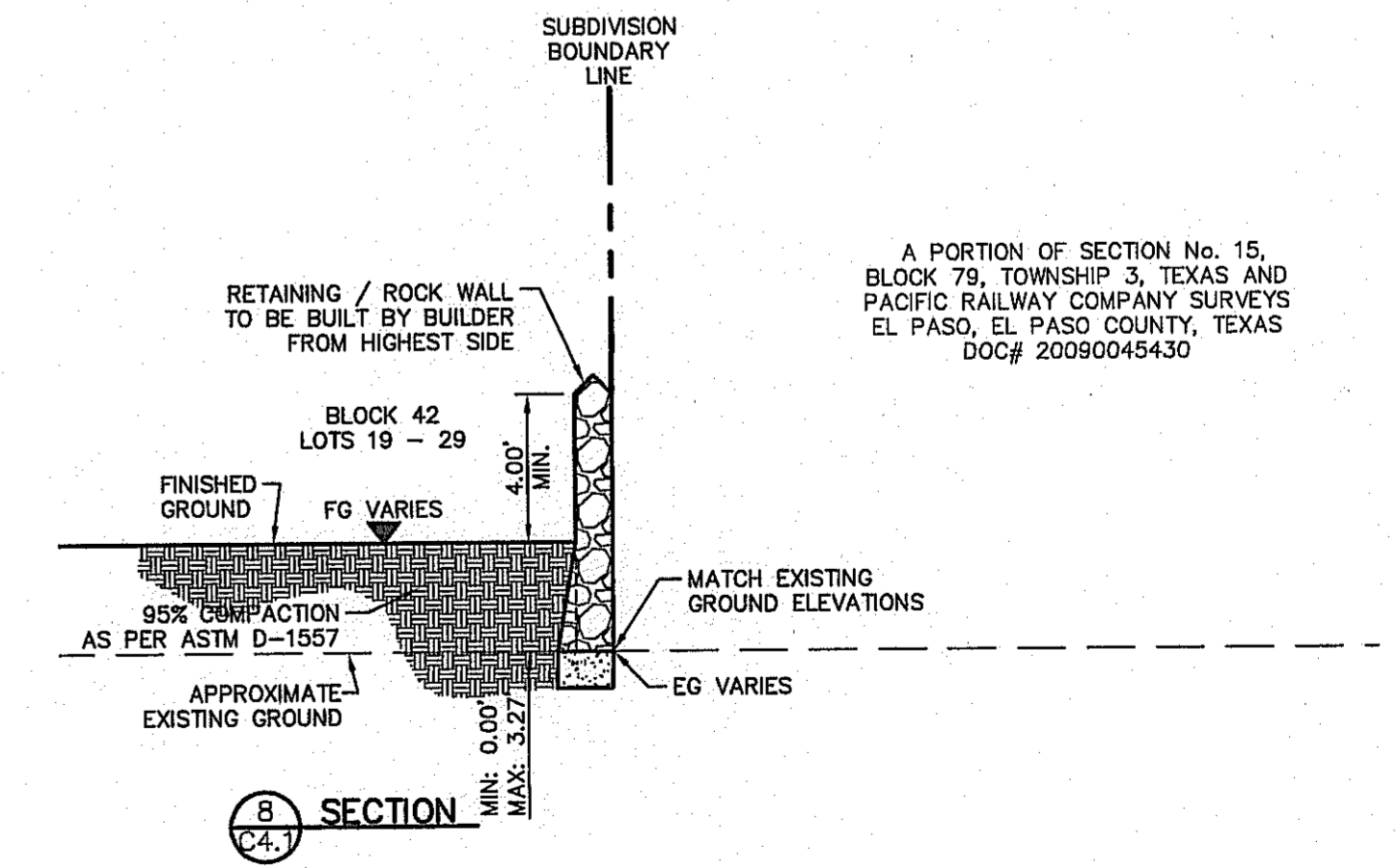
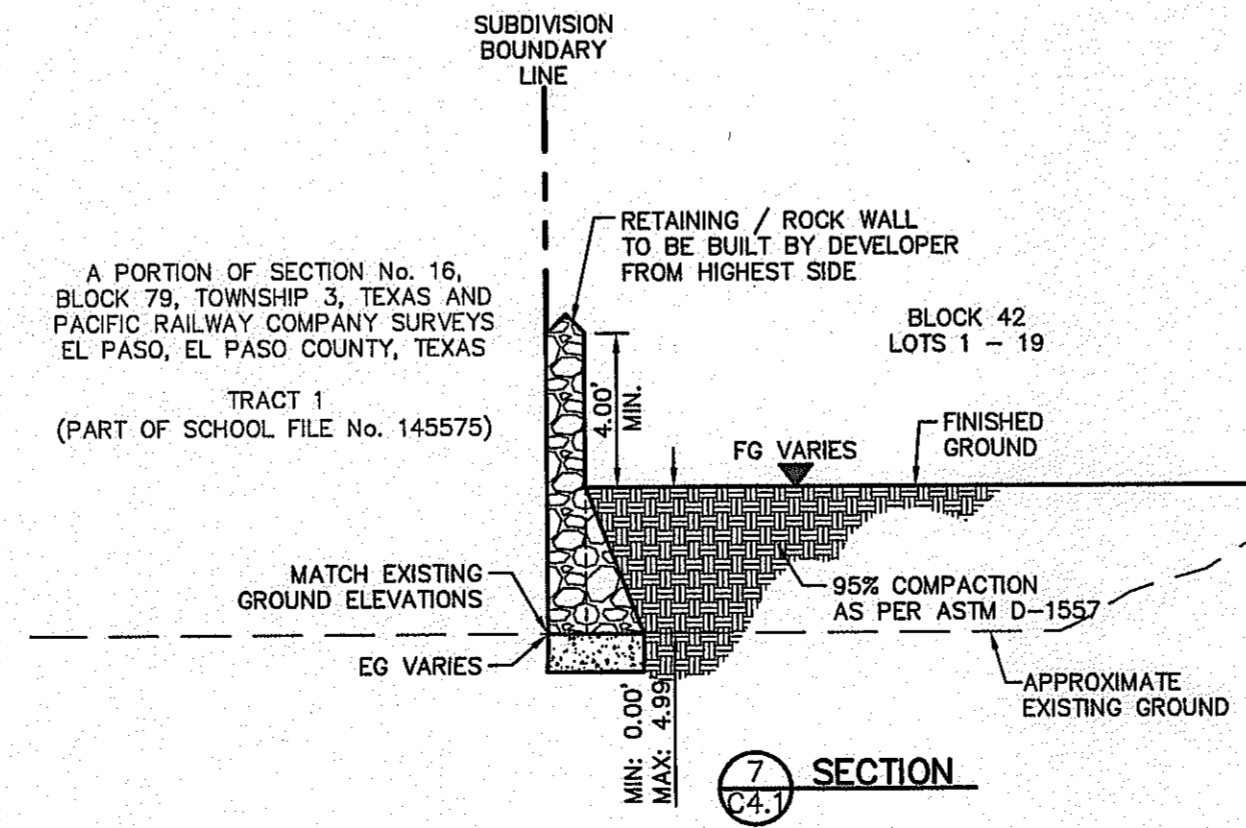
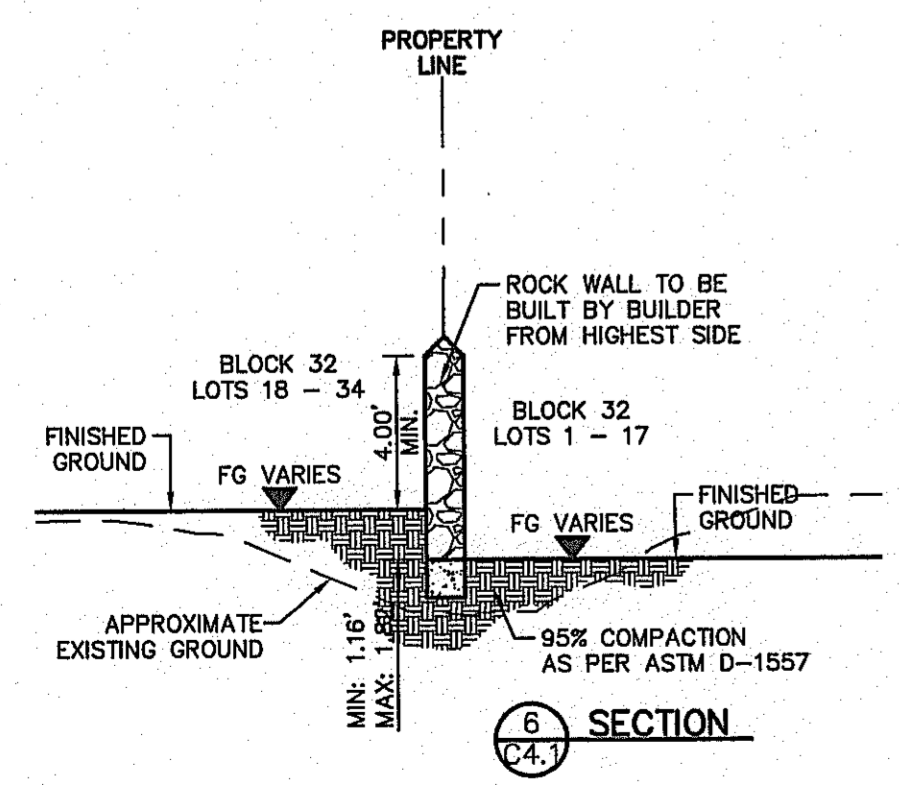
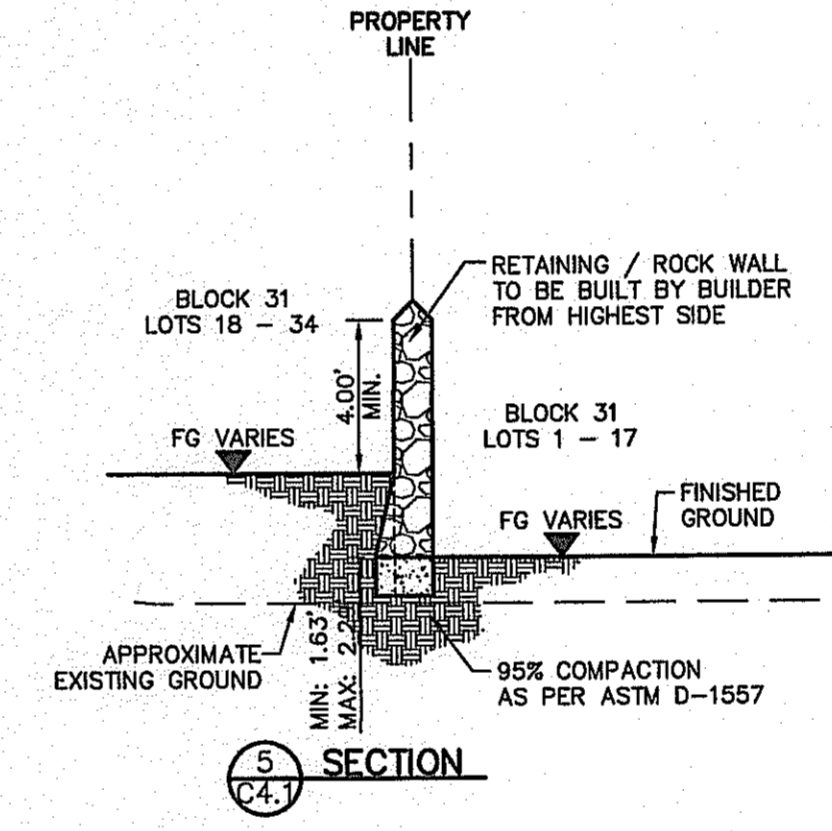
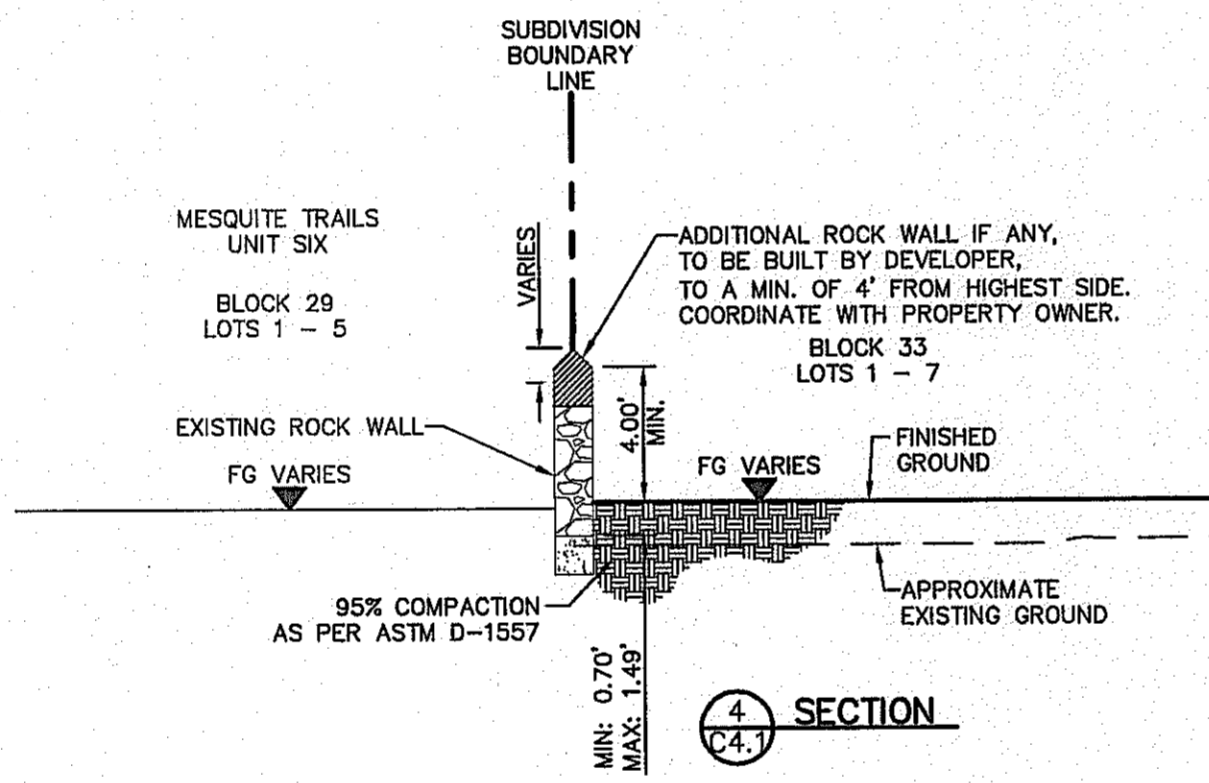
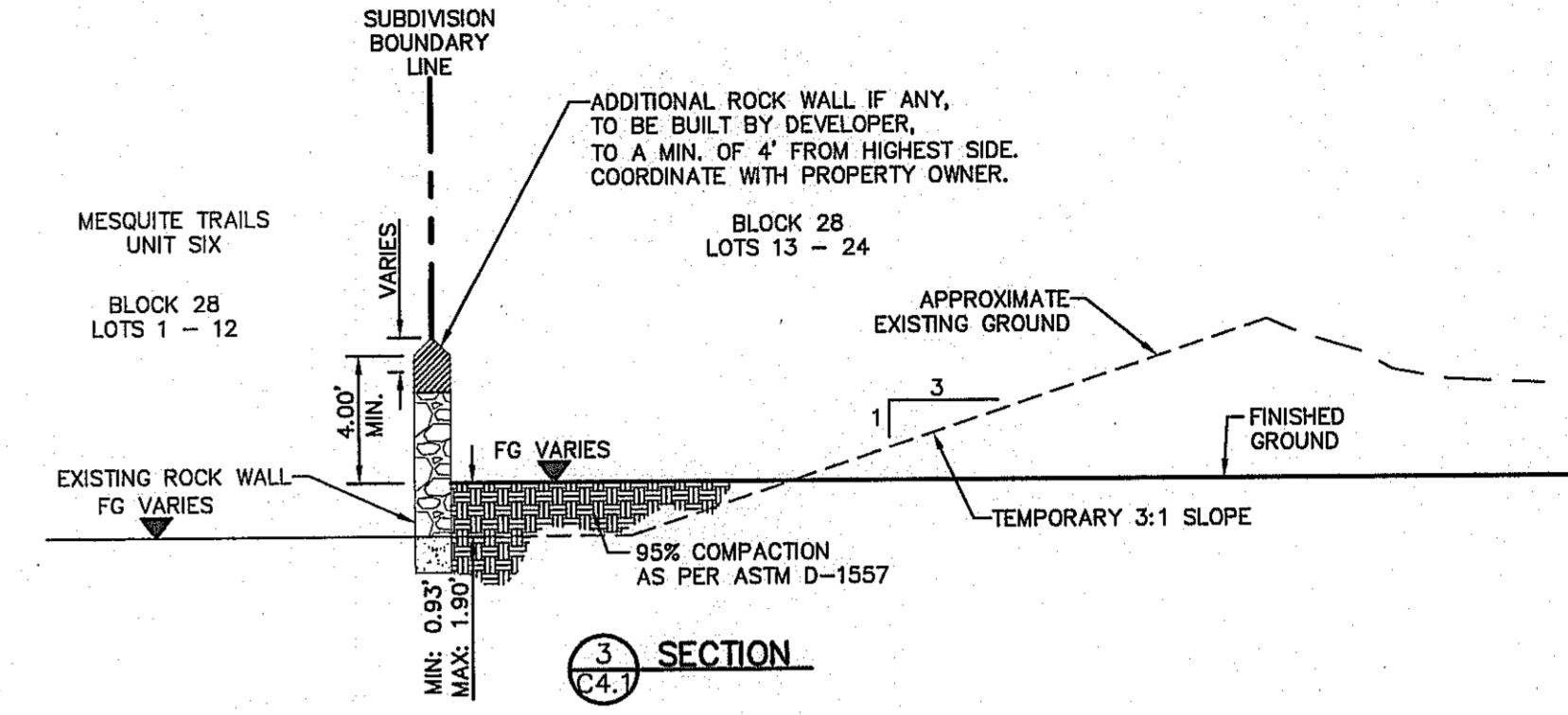
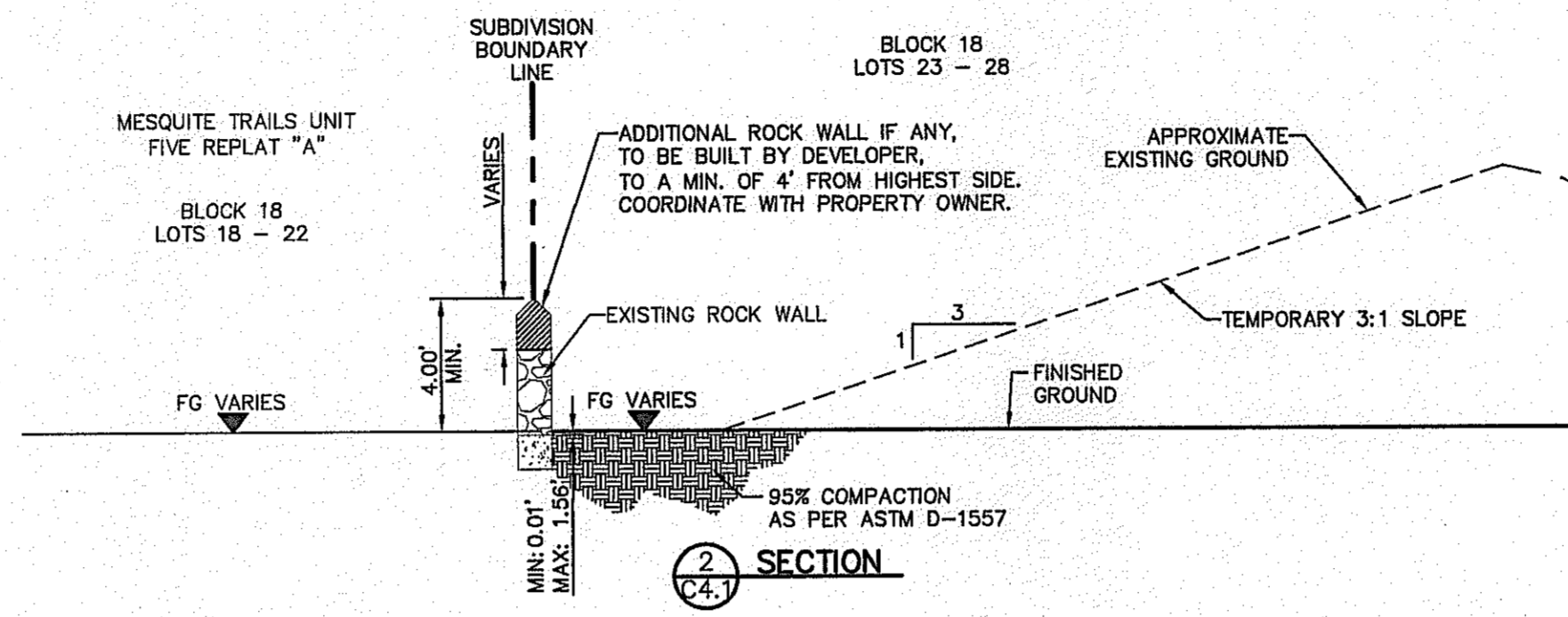
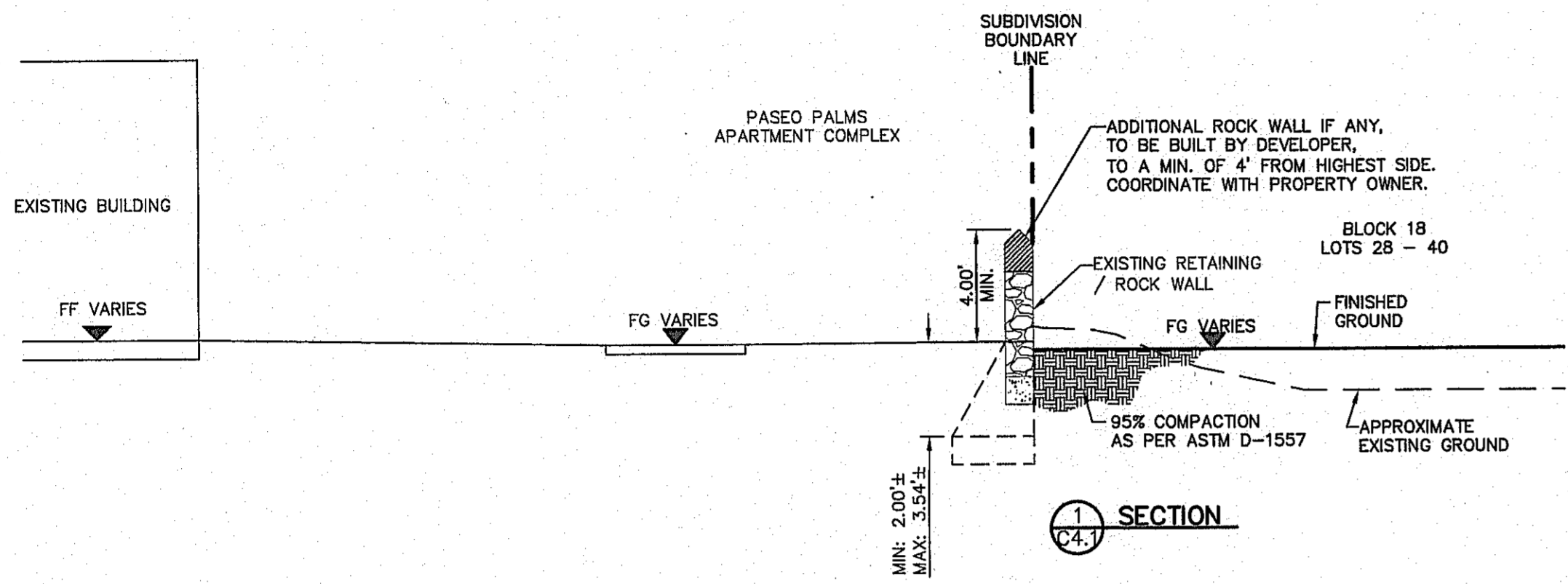
SHEET TITLE  
**GRADING PLAN**

SHEET NO.  
**C3.1**

REVISIONS  
DATE  
BY



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**NOTES:**  
1. ALL RETAINING WALLS OVER 4 FT IN HEIGHT SHALL BE CONSTRUCTED BY DEVELOPER (RETAINING PORTION ONLY). REMAINING ROCK WALL SECTIONS TO BE BUILT BY BUILDER.

**UTILITY LOCATOR SERVICES**

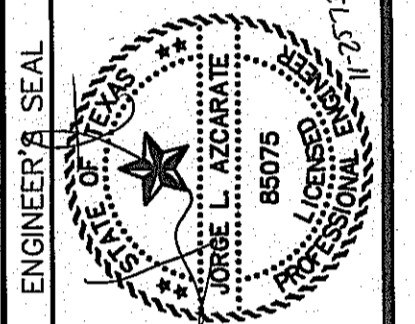
EL PASO ELECTRIC COMPANY	(915) 543-5720
EL PASO ENERGY CORPORATION	(915) 496-5244
EL PASO WATER UTILITIES	(915) 594-5500
MCI SURVEILLANCE	(800) MCI-WORK
TIME WARNER COMMUNICATIONS	(915) 772-1123
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SBC	(800) 545-6005
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U.S. SPRINT TELECOMM	(800) 521-0579

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1-800-344-8377  
FOR FIELD LOCATING EXISTING UTILITIES

**REFERENCES - BENCHMARKS**

EXISTING CITY MONUMENT ELEVATION 4003.10 FEET (CITY DATUM)	BY
LOCATED AT THE CENTERLINE INTERSECTION OF PASO ALGRE CIRCLE AND PASO LINDO DRIVE.	DATE
REVISIONS	BY

**CS&A**  
engineers • architects • planners  
TEXAS REGISTERED ENGINEERING FIRM #4864  
4712 Woodrow Bean, Ste. F, El Paso, TX 79924  
Office: 915.544.5232 Fax: 915.544.5233 www.csandamp.com



**SCALE:** 1" = 100'  
Horizontal: N/A  
Vertical: N/A  
Contour Interval: N/A  
DATE: OCTOBER 2013  
DESIGN BY: R.O.  
DRAWN BY: J.G.  
CHKD. BY: J.L.A.  
APPVD. BY: J.L.A.  
JOB No. 2000-138LD

**PROJECT TITLE**  
**MESQUITE TRAILS UNIT SEVEN  
AMENDING PLAT  
SUBDIVISION IMPROVEMENTS**

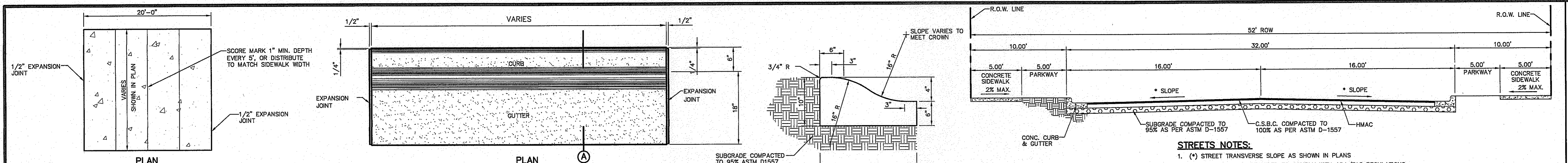
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**GRADING SECTIONS**

**SHEET NO.**  
**C4.1**

**CITY DEVELOPMENT DEPARTMENT**  
**REVIEWED**

A PORTION OF SECTION No. 15,  
BLOCK 79, TOWNSHIP 3, TEXAS AND  
PACIFIC RAILWAY COMPANY SURVEYS  
EL PASO, EL PASO COUNTY, TEXAS  
Doc# 20090045430





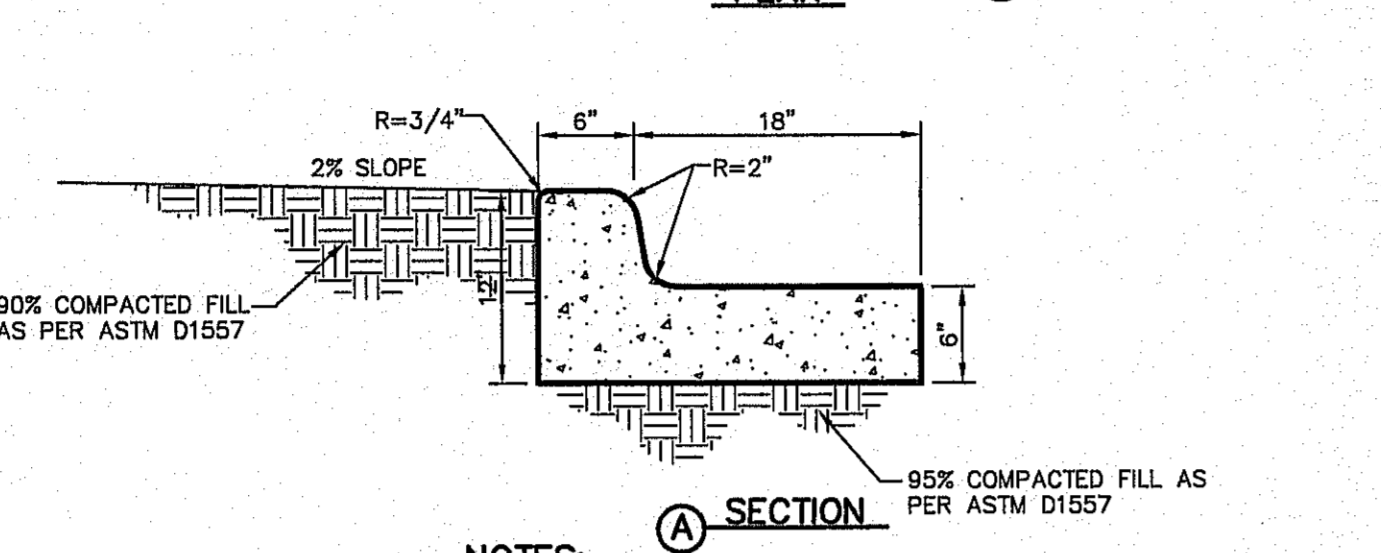
**NOTES:**

- EXPANSION JOINT FILLER SHALL BE 1/2" BITUMINOUS TYPE PREFORMED JOINT FILLER (AASHTO M-33)
- EXPANSION JOINTS SHALL BE SPACED AT 20'-0" MAX.
- WHEREVER SIDEWALK ABUTS ROCK OR MASONRY STRUCTURES SUCH AS CURBS OR BUILDINGS, EXPANSION JOINTS FILLER SHALL BE PLACED IN ACCORDANCE WITH STANDARD SPECIFICATIONS.

**EXPANSION JOINT SECTION**  
SCALE: N.T.S.

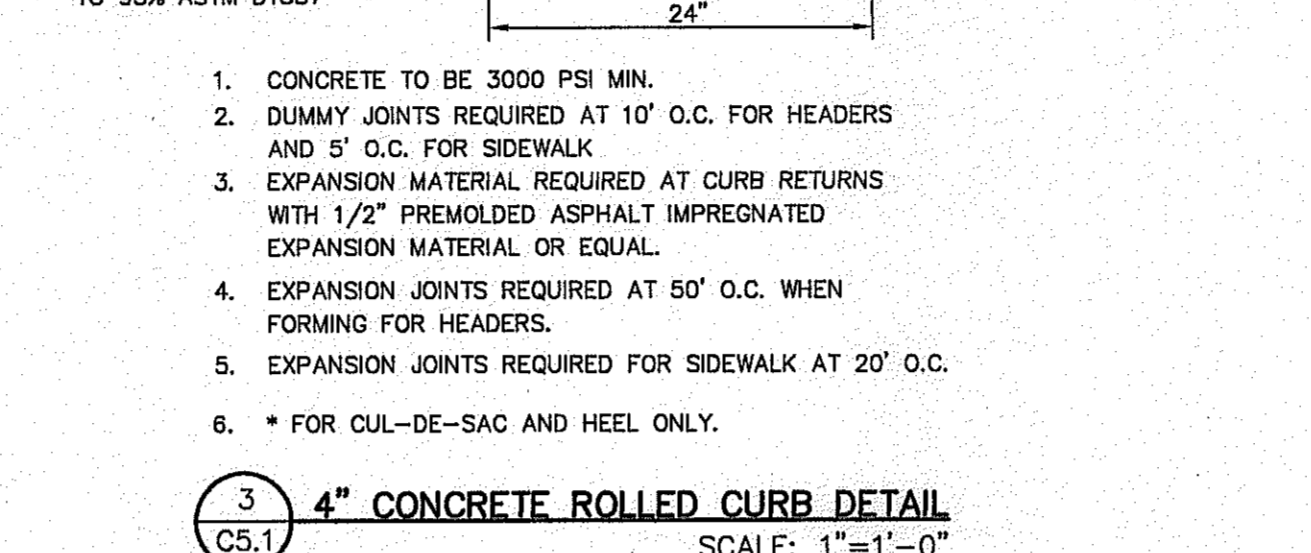
**SIDEWALK NOTES:**

- CONCRETE SIDEWALK SHALL BE 3,000 P.S.I. (MIN.)
- DUMMY JOINTS REQUIRED AT 5' O.C.
- EXPANSION JOINTS SHALL BE AT 20' O.C. MAXIMUM, USE 1/2" PREMOLDED BITUMINOUS EXPANSION JOINTS (AASHTO M-33)
- EXPANSION JOINT FILLER SHALL BE PLACED WHEREVER SIDEWALK ABUTS ROCK OR MASONRY STRUCTURES SUCH AS CURBS OR BUILDINGS.
- SUBGRADE TO BE COMPACTED TO 95% AS PER ASTM D1557.
- REINFORCEMENT (6X6-10/10 W.W.F.) SHALL BE PLACED WHEREVER SIDEWALK ABUTS A PEDESTRIAN WALKWAY AND/OR PARK.



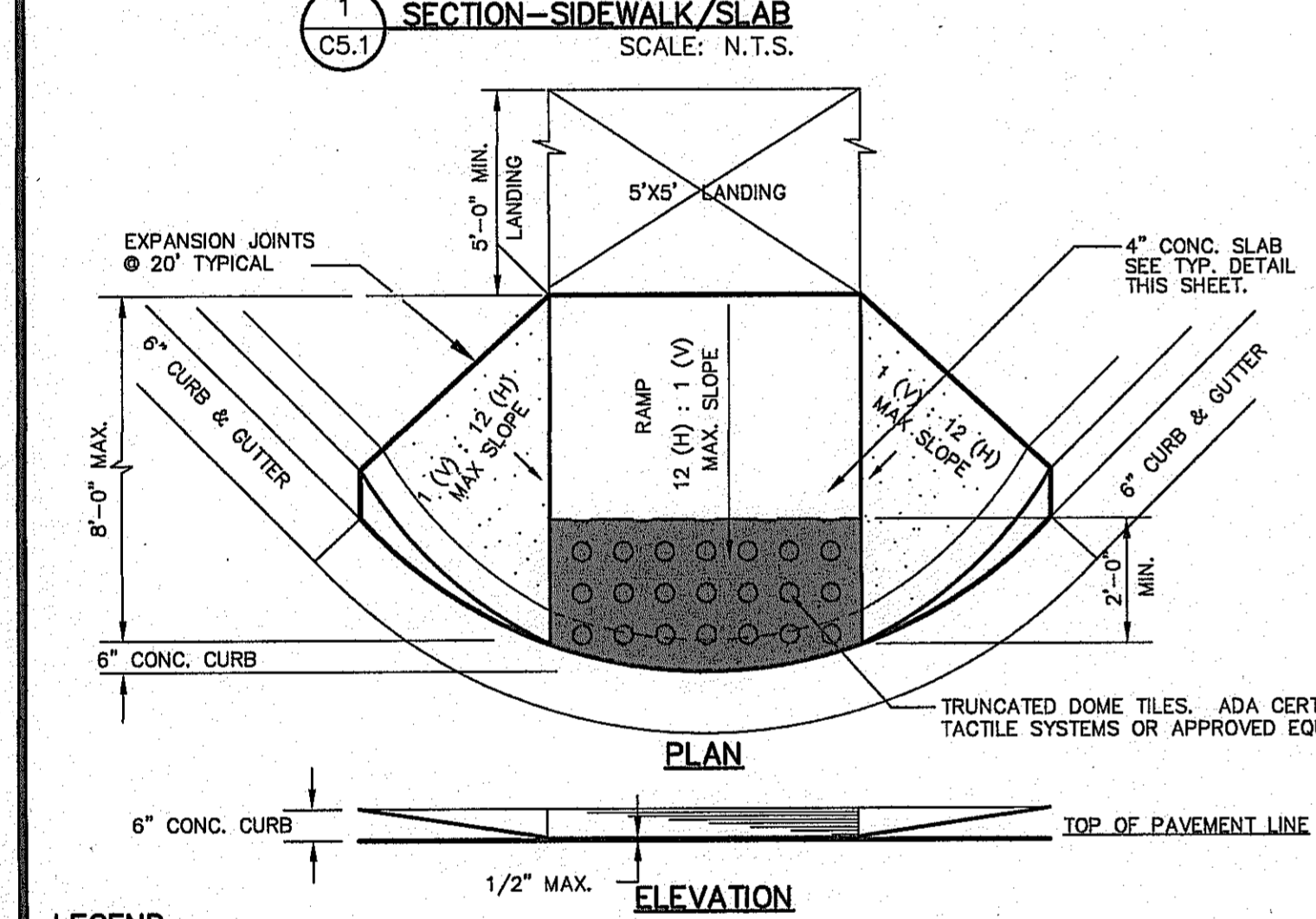
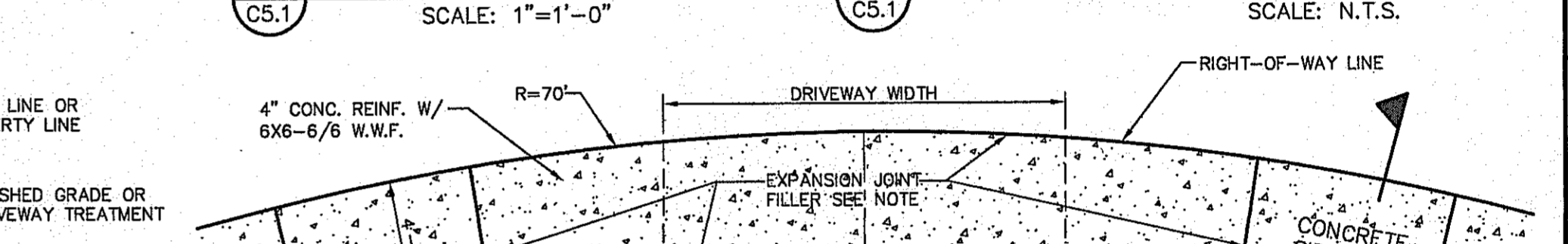
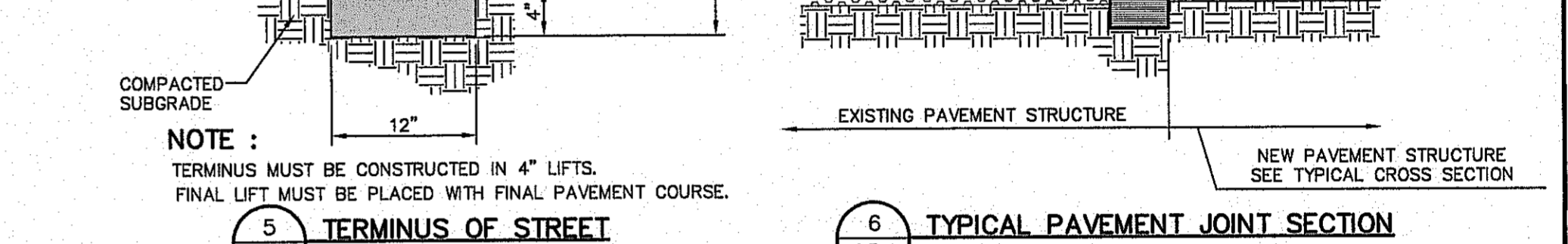
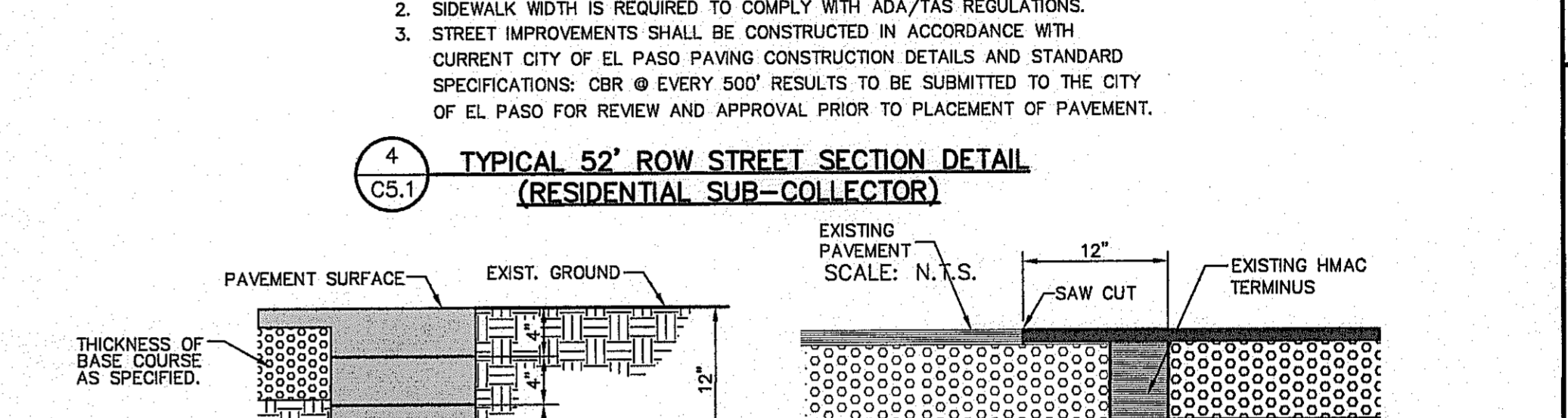
**NOTES:**

- CONCRETE SHALL BE 3,000 P.S.I. MIN.
- DUMMY JOINT REQUIRED AT 10' O.C. FOR CURB & GUTTER.
- EXPANSION MATERIAL REQUIRED AT CURB RETURNS AND AT 20' ON CENTER FOR SIDEWALKS WITH 1/2" PREMOLDED ASPHALT IMPREGNATED EXPANSION MATERIAL OR EQUAL.
- EXPANSION JOINTS REQUIRED AT 50' O.C. WHEN FORMING FOR CURBS.



**NOTES:**

- CONCRETE TO BE 3000 PSI MIN.
- DUMMY JOINTS REQUIRED AT 10' O.C. FOR HEADERS AND 5' O.C. FOR SIDEWALK
- EXPANSION MATERIAL REQUIRED AT CURB RETURNS WITH 1/2" PREMOLDED ASPHALT IMPREGNATED EXPANSION MATERIAL OR EQUAL.
- EXPANSION JOINTS REQUIRED AT 50' O.C. WHEN FORMING FOR HEADERS.
- EXPANSION JOINTS REQUIRED FOR SIDEWALK AT 20' O.C.
- \* FOR CUL-DE-SAC AND HEEL ONLY.

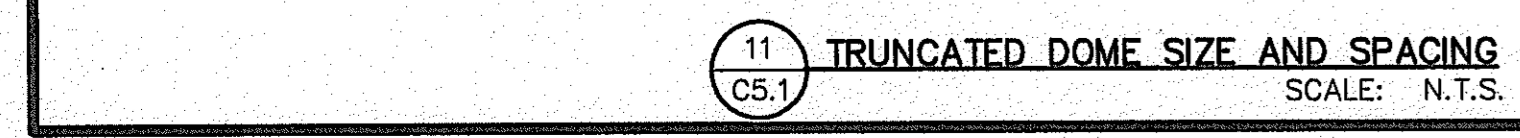
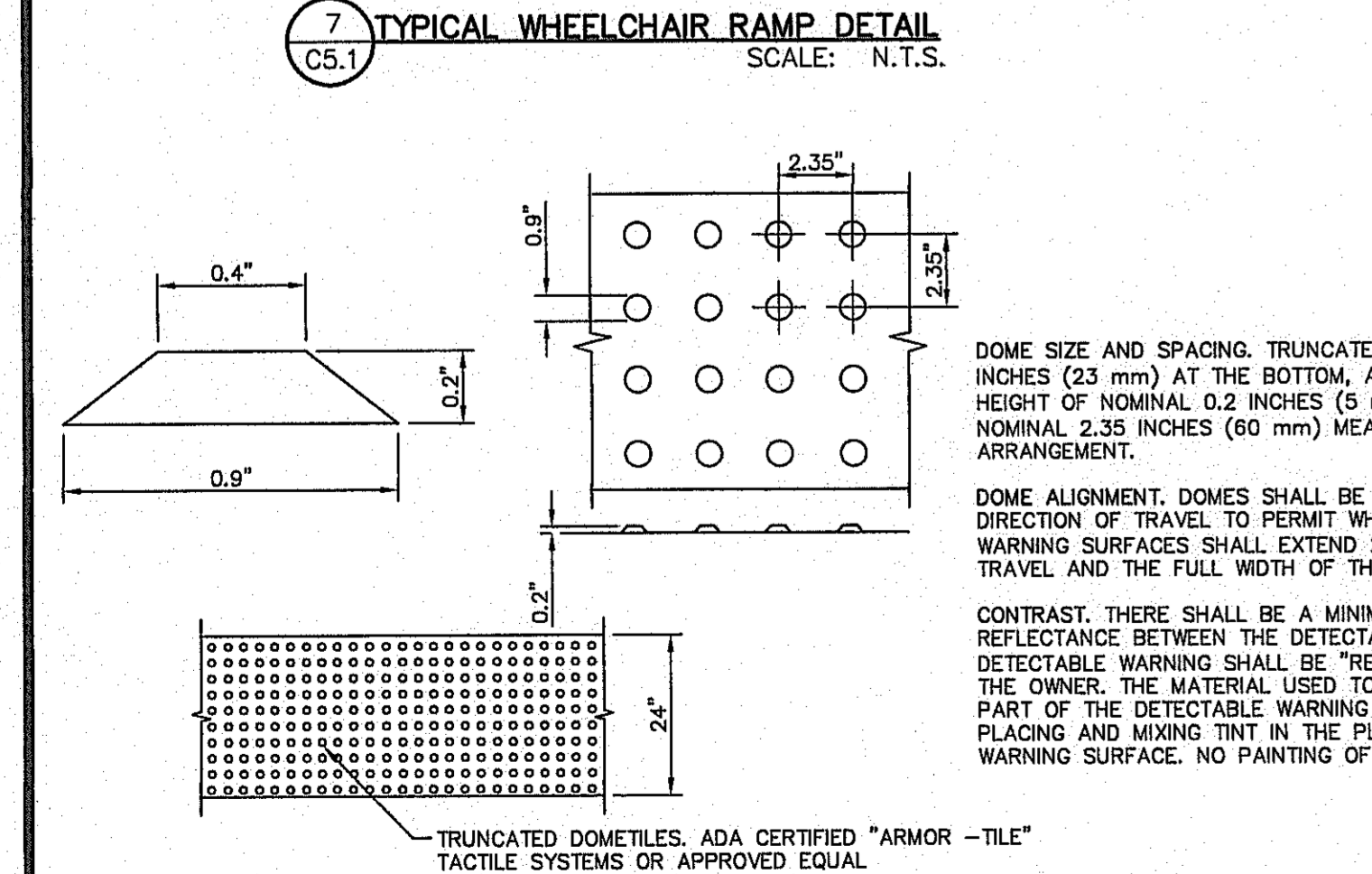


**LEGEND**

DETECTABLE WARNING 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 COUNTY OF EL PASO ROAD AND BRIDGE DEPARTMENT. THE MATERIAL USED TO PROVIDE VISUAL CONTRAST SHALL BE AN INTEGRAL PART OF THE DETECTABLE WARNING SURFACE. CONTRAST SHALL BE PROVIDED BY PLACING AND MIXING TINT IN THE PLASTIC CONCRETE USED FOR THE DETECTABLE WARNING SURFACE. NO PAINTING OF SURFACE SHALL BE PERMITTED.

**NOTES:**

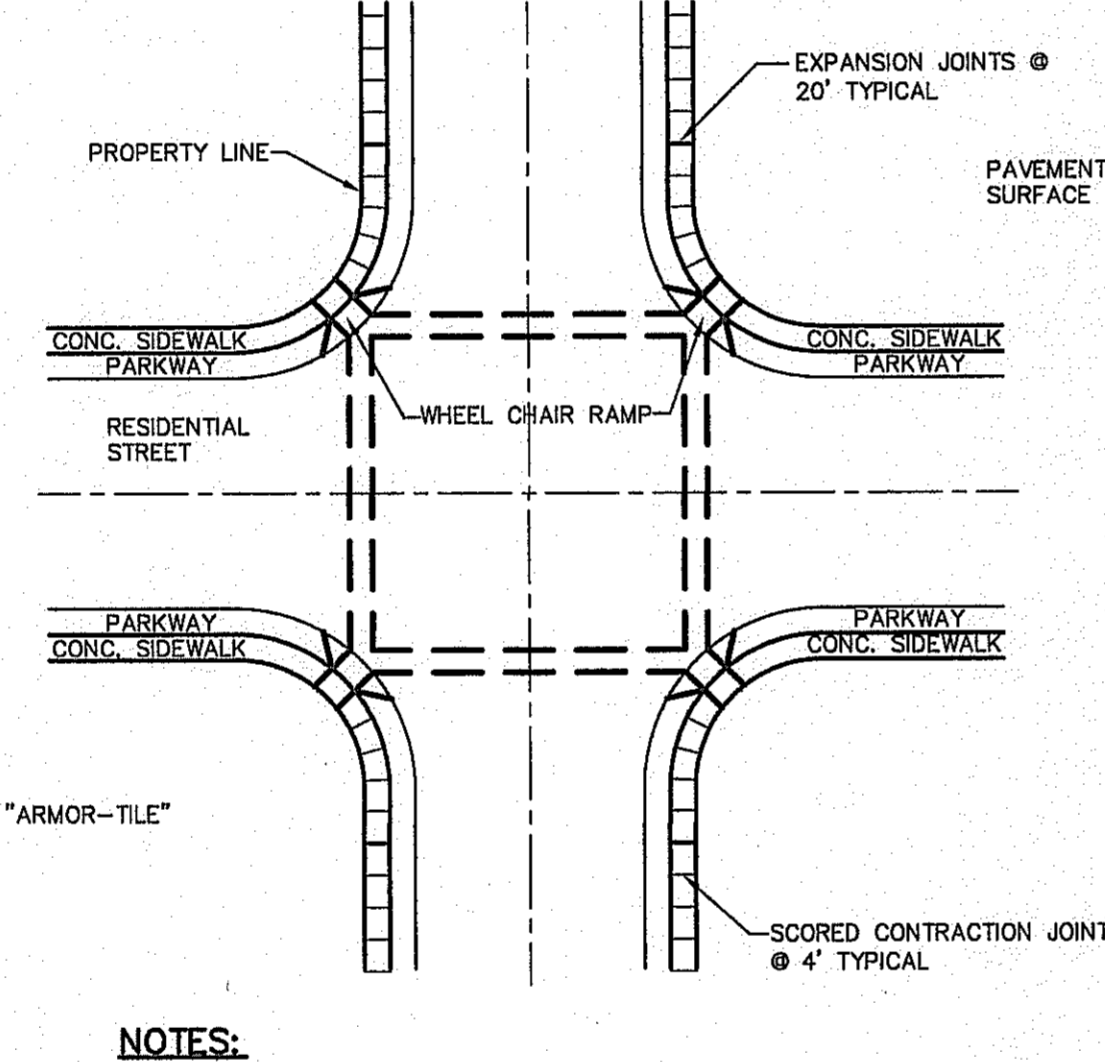
- ALL CONCRETE SHALL BE 3,000 P.S.I. MIN. AT 28 DAYS.
- CONCRETE SLABS SHALL BE A MIN. 4" THICK.
- ALL NEW RAMPS SHALL COMPLY WITH T.A.S. AND A.D.A. REQUIREMENTS. ANY SECTIONS NOT CONFORMING WILL BE REMOVED AT THE CONTRACTORS EXPENSE.
- ALL ADA RAMPS SHALL BE BUILT BY DEVELOPER.



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 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 ARRANGEMENT.

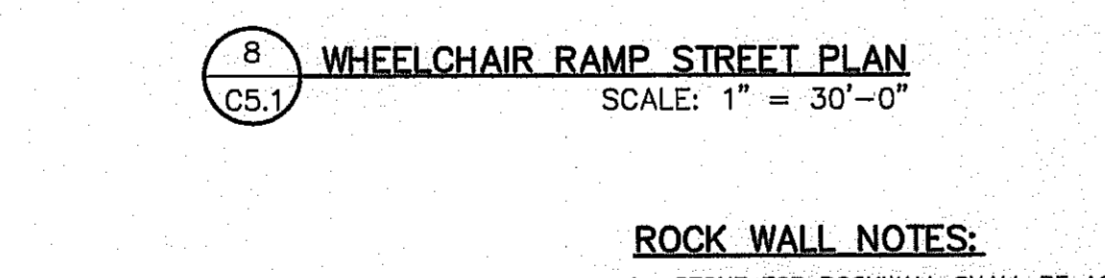
DOME ALIGNMENT. DOMES SHALL BE ALIGNED ON A SQUARE GRID IN THE PREDOMINANT DIRECTION OF TRAVEL TO PERMIT WHEELS TO ROLL BETWEEN DOMES. DETECTABLE WARNING SURFACES SHALL EXTEND 24 INCHES (610 mm) MINIMUM IN THE DIRECTION OF TRAVEL AND THE FULL WIDTH OF THE CURB RAMP, LANDING, OR BLENDED TRANSITION.

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. CONTRAST SHALL BE PROVIDED BY PLACING AND MIXING TINT IN THE PLASTIC CONCRETE USED FOR THE DETECTABLE WARNING SURFACE. NO PAINTING OF SURFACE SHALL BE PERMITTED.



**NOTES:**

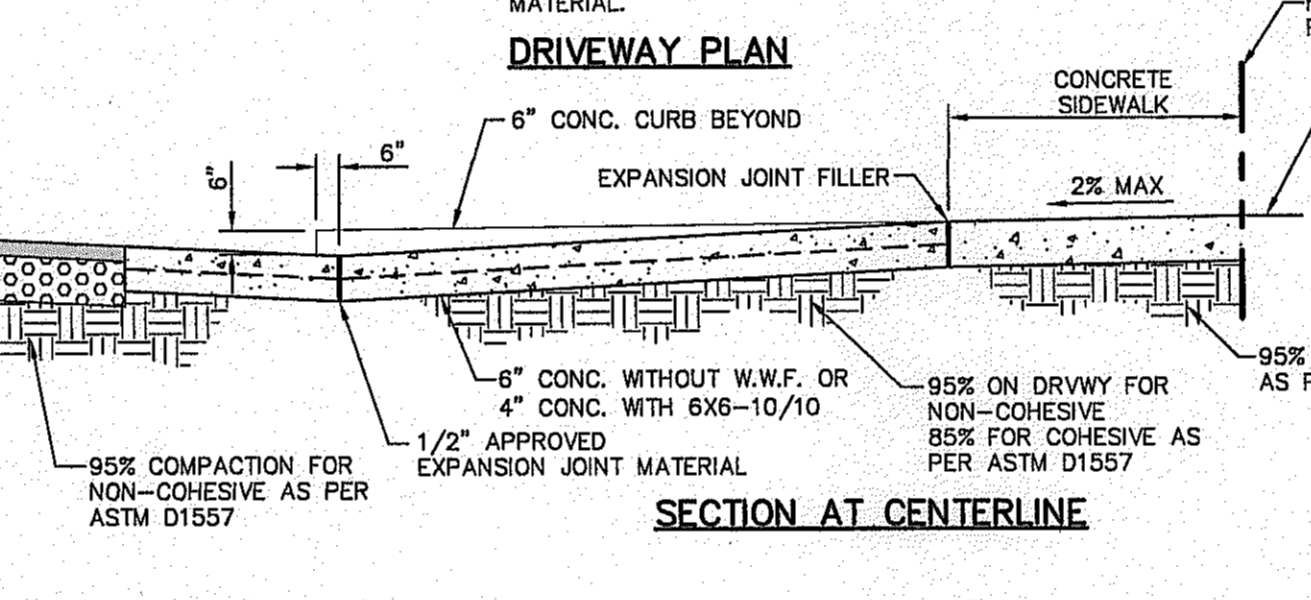
- RAMPS MAY BE PLACED AS SUGGESTED, HOWEVER EXISTING LIGHT POLES, FIREHYDRANTS, DROP INLETS, ETC. MAY AFFECT PLACEMENT.
- THE CONCRETE SURFACE SHALL HAVE A ROUGH, NONSKID TYPE FINISH.
- CONSTRUCTION METHODS SHALL CONFORM WITH THE CITY OF EL PASO SPECIFICATIONS.
- ALL PARKING AND PAVEMENT MARKINGS SHALL BE IN ACCORDANCE WITH CURRENT CITY OF EL PASO STANDARDS.



**ROCK WALL NOTES:**

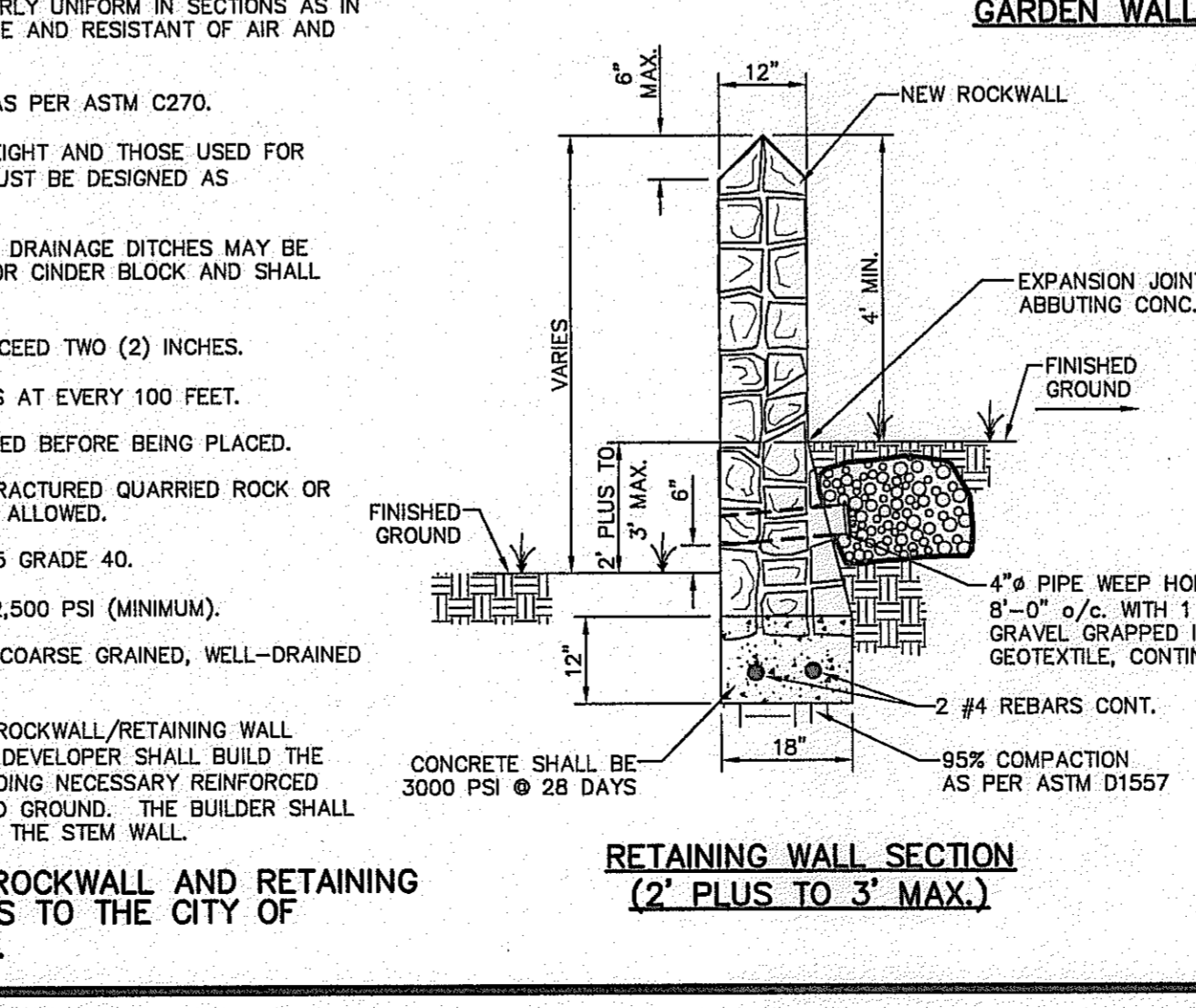
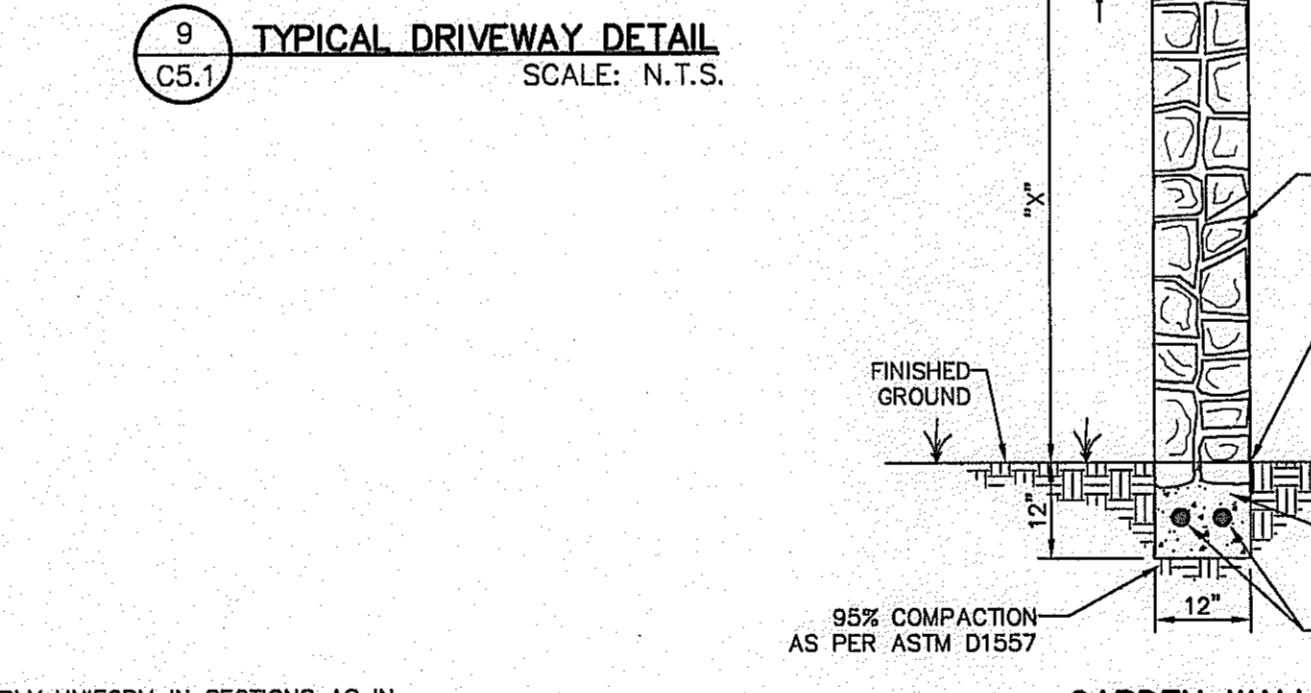
- STONE FOR ROCKWALL SHALL BE AS NEARLY UNIFORM IN SECTIONS AS IN PRACTICABLE THE STONE SHALL BE DENSE AND RESISTANT OF AIR AND WATER.
- MORTAR MUST BE TYPE "S" 1800 P.S.I. AS PER ASTM C270.
- MASONRY WALL OVER SIX (6) FEET IN HEIGHT AND THOSE USED FOR EARTH RETENTION OVER TWO (2) FEET MUST BE DESIGNED AS STRUCTURAL WALLS.
- WALLS ADJACENT TO PONDING AREAS OR DRAINAGE DITCHES MAY BE CONSTRUCTED OF BRICK, ROCK, STONE, OR CONCRETE BLOCK AND SHALL NOT BE LESS THAN SIX (6) FEET HIGH.
- ROCKWALL MORTAR JOINTS MUST NOT EXCEED TWO (2) INCHES.
- PROVIDE ONE (1) INCH EXPANSION JOINTS AT EVERY 100 FEET.
- ALL STONE SHALL BE THOROUGHLY SOAKED BEFORE BEING PLACED.
- ALL STONE FOR ROCKWALLS SHALL BE FRACTURED QUARRIED ROCK OR ROUND ROCK, NO RIVER ROCK SHALL BE ALLOWED.
- REINFORCING STEEL SHALL BE ASTM A615 GRADE 40.
- ALLOWABLE SOIL BEARING PRESSURE = 2,500 PSI (MINIMUM).
- BACKFILL MATERIALS SHALL CONSIST OF COARSE GRAINED, WELL-DRAINED SOILS (WITH NO CLAY CONTENT).
- WHENEVER THE RETAINING HEIGHT OF A ROCKWALL/RETAINING WALL EXCEEDS FOUR (4) FEET OR MORE, THE DEVELOPER SHALL BUILD THE RETAINING PORTION OF THE WALL (INCLUDING NECESSARY REINFORCED CONCRETE FOOTING) TO HIGHEST FINISHED GROUND. THE BUILDER SHALL FINISH CONSTRUCTING THE REMAINING OF THE STEM WALL.

**NOTE: BUILDER SHALL SUBMIT ROCKWALL AND RETAINING ROCKWALL COMPUTATIONS TO THE CITY OF EL PASO FOR APPROVAL.**

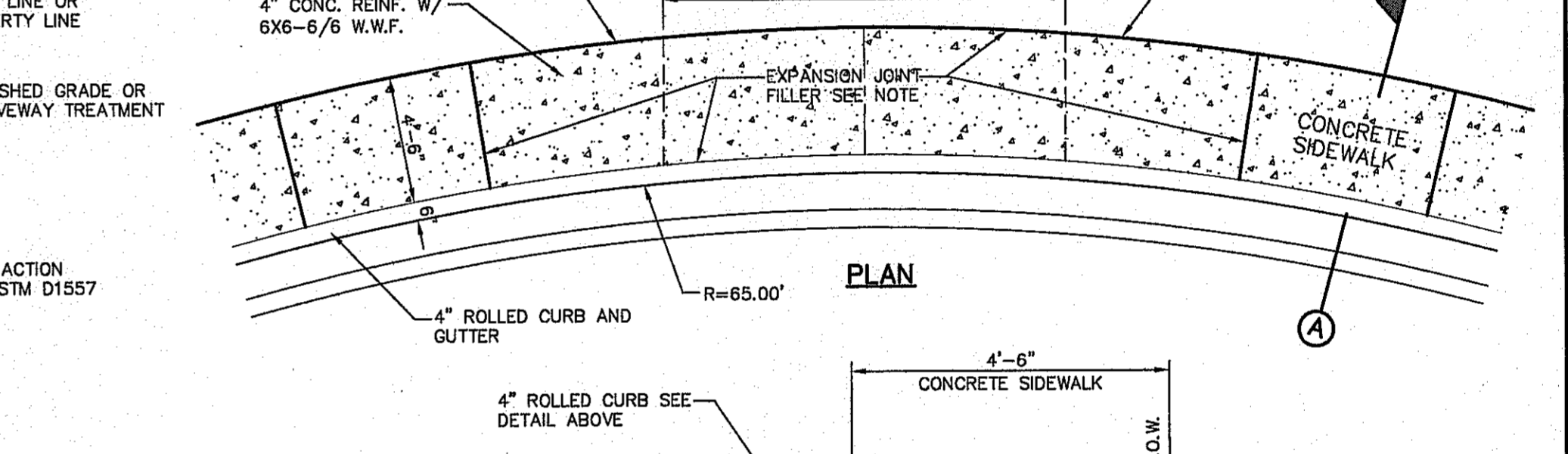


**NOTES:**

- DRIVEWAY SLOPES MUST BE 10% MAX. FROM GUTTER FOR FIRST 12 FEET AND 14% MAX. THEREAFTER (DRIVEWAY SHALL BE LOCATED @ HIGH SIDE OF LOT UNLESS OTHERWISE COORDINATED WITH CITY OF EL PASO)
- RESIDENTIAL 6" CONCRETE WITHOUT W.W.F. 4" CONCRETE WITH 6X6-10/10

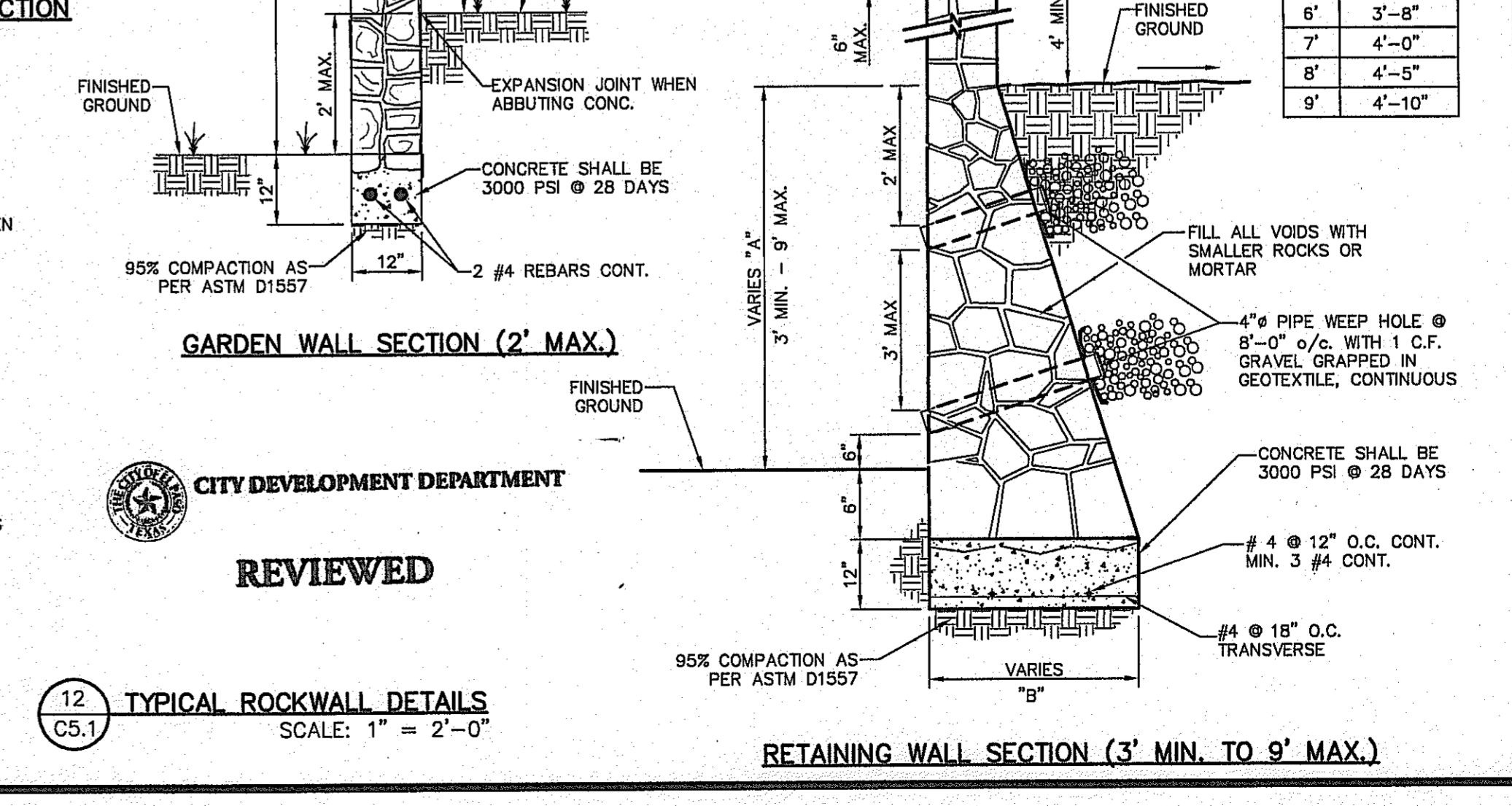
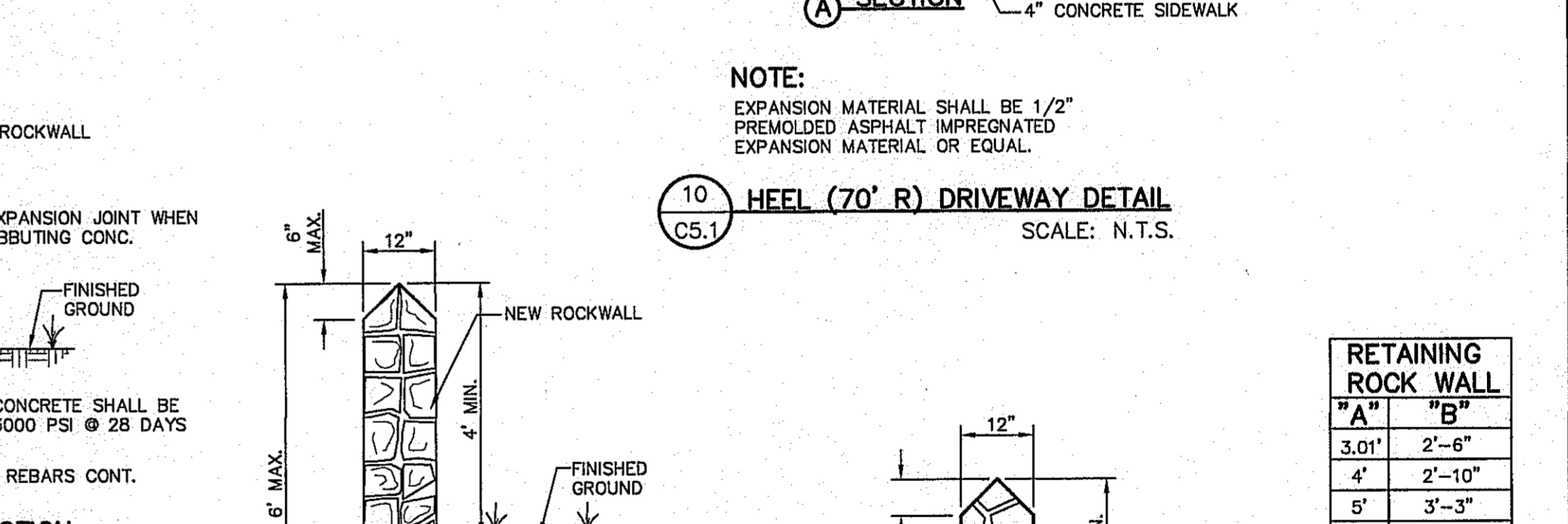


**NOTE: BUILDER SHALL SUBMIT ROCKWALL AND RETAINING ROCKWALL COMPUTATIONS TO THE CITY OF EL PASO FOR APPROVAL.**



**NOTES:**

- 4" MIN. ALONG REAR & 4" MIN. BETWEEN SIDE YARDS.
- 3'-6" MAX. ALONG FRONT YARDS.
- 6" HIGH @ DRAINAGE AND BASINS.



**NOTE: BUILDER SHALL SUBMIT ROCKWALL AND RETAINING ROCKWALL COMPUTATIONS TO THE CITY OF EL PASO FOR APPROVAL.**

REFERENCES - BENCHMARKS

EXISTING CITY MONUMENT ELEVATION 4003.10 FEET (CITY DATUM) LOCATED AT THE CENTERLINE INTERSECTION OF PASADENA ALBERG CIRCLE AND PASEO UNICO DRIVE.

DATE	REVISIONS	BY

**CSA**

engineers • architects • planners

TEXAS REGISTERED ENGINEERING FIRM #484

4712 Woodrow Bean, Ste. F, El Paso, TX 79924  
Office: 915.544.5222 Fax: 915.544.5233 www.csaengr.com

ENGINEER'S SEAL

SCALE: N/A

Vertical: N/A

Horizontal: N/A

Contour Interval: 1/4"

DATE: OCTOBER 2013

DESIGN BY: R.O.

DRAWN BY: J.G.

CHKD. BY: J.L.A.

APP'D. BY: J.L.A.

JOB NO. 2000-1381LD

PROJECT TITLE

**MESQUITE TRAILS UNIT SEVEN AMENDING PLAT**

**SUBDIVISION IMPROVEMENTS**

SHEET TITLE

STANDARD DETAILS

(SHEET 1 OF 2)

SHEET NO.

**C5.1**

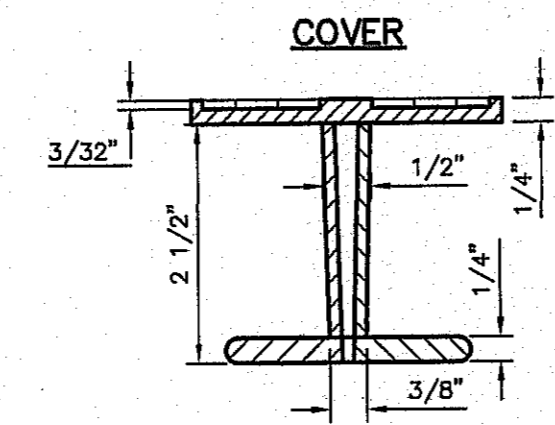
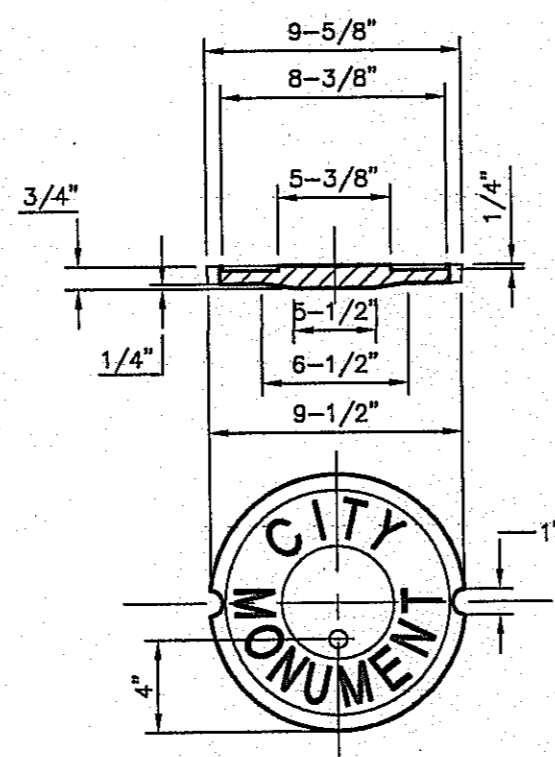
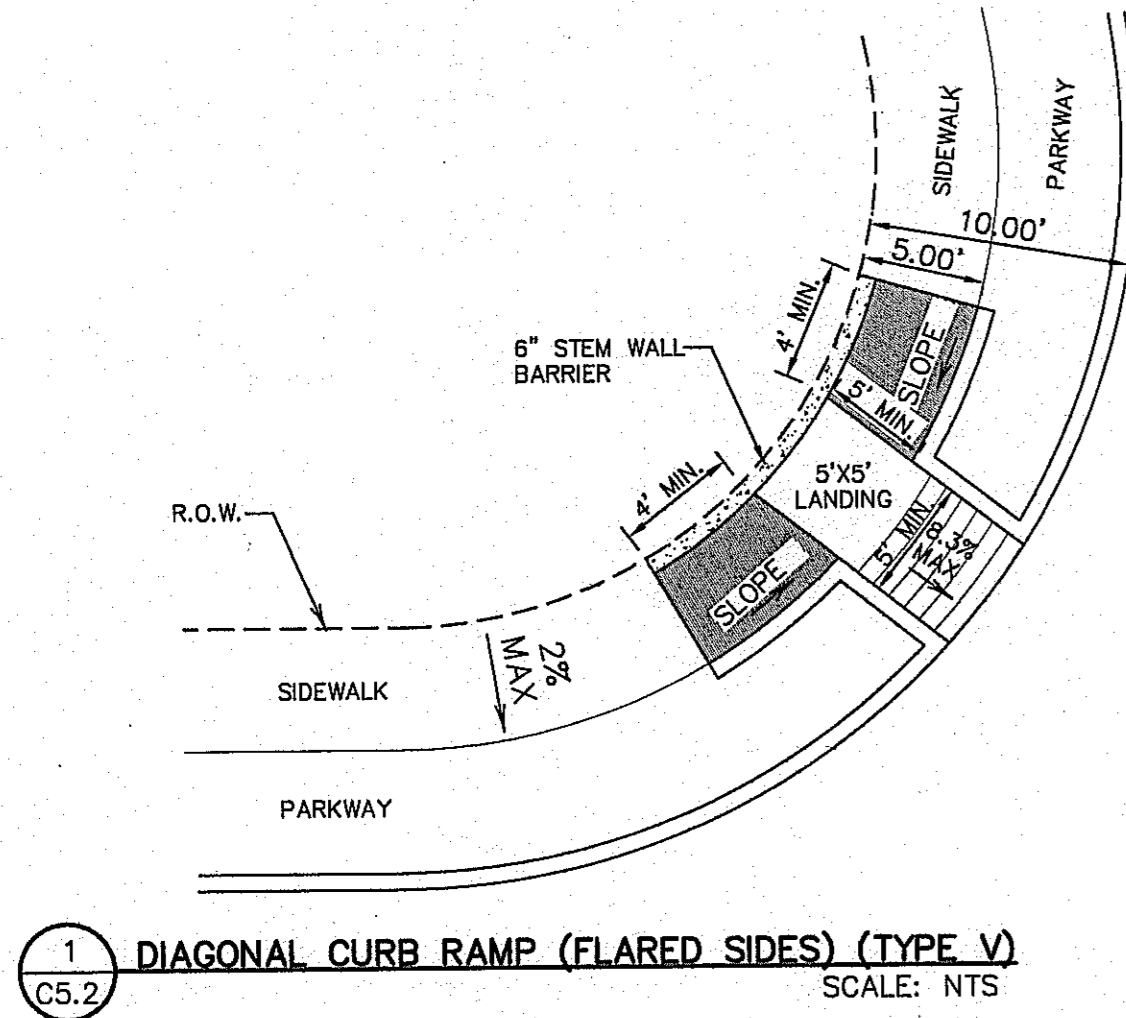


**LEGEND**

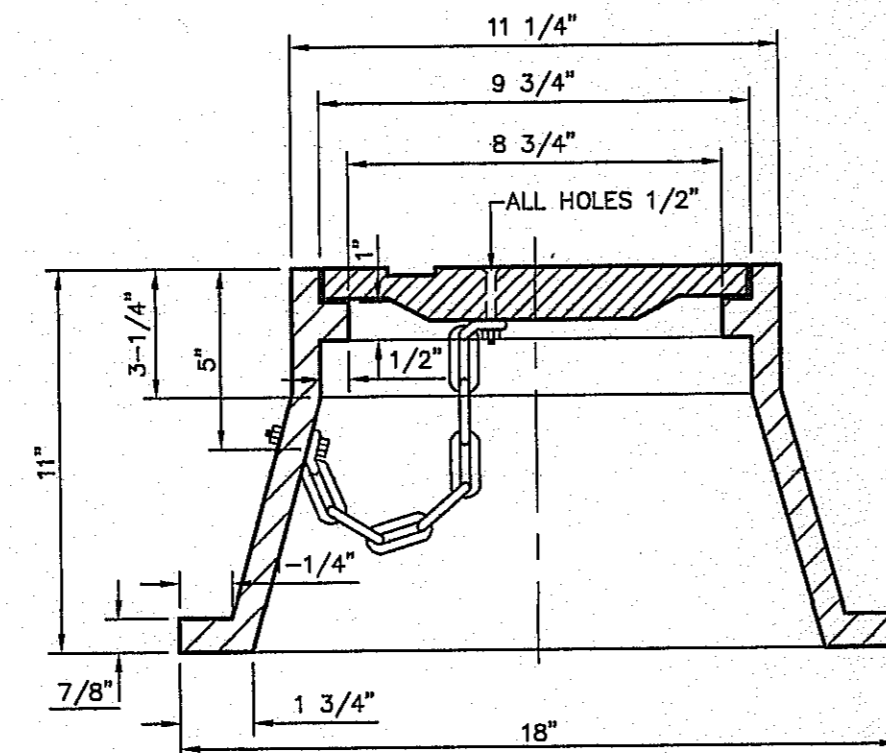
DETECTABLE WARNING SURFACE SHALL CONSIST OF RAISED TRUNCATED DOMES WITH A NOMINAL DIAMETER OF 0.9 IN., A NOMINAL HEIGHT OF 0.2 IN. AND A CENTER TO CENTER NOMINAL SPACING OF 2.35 IN., AND SHALL NOT BE STAGGERED. THE SURFACE SHALL BE A MINIMUM OF 70% CONTRAST IN LIGHT REFLECTANCE BETWEEN THE DETECTABLE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

**NOTES:**

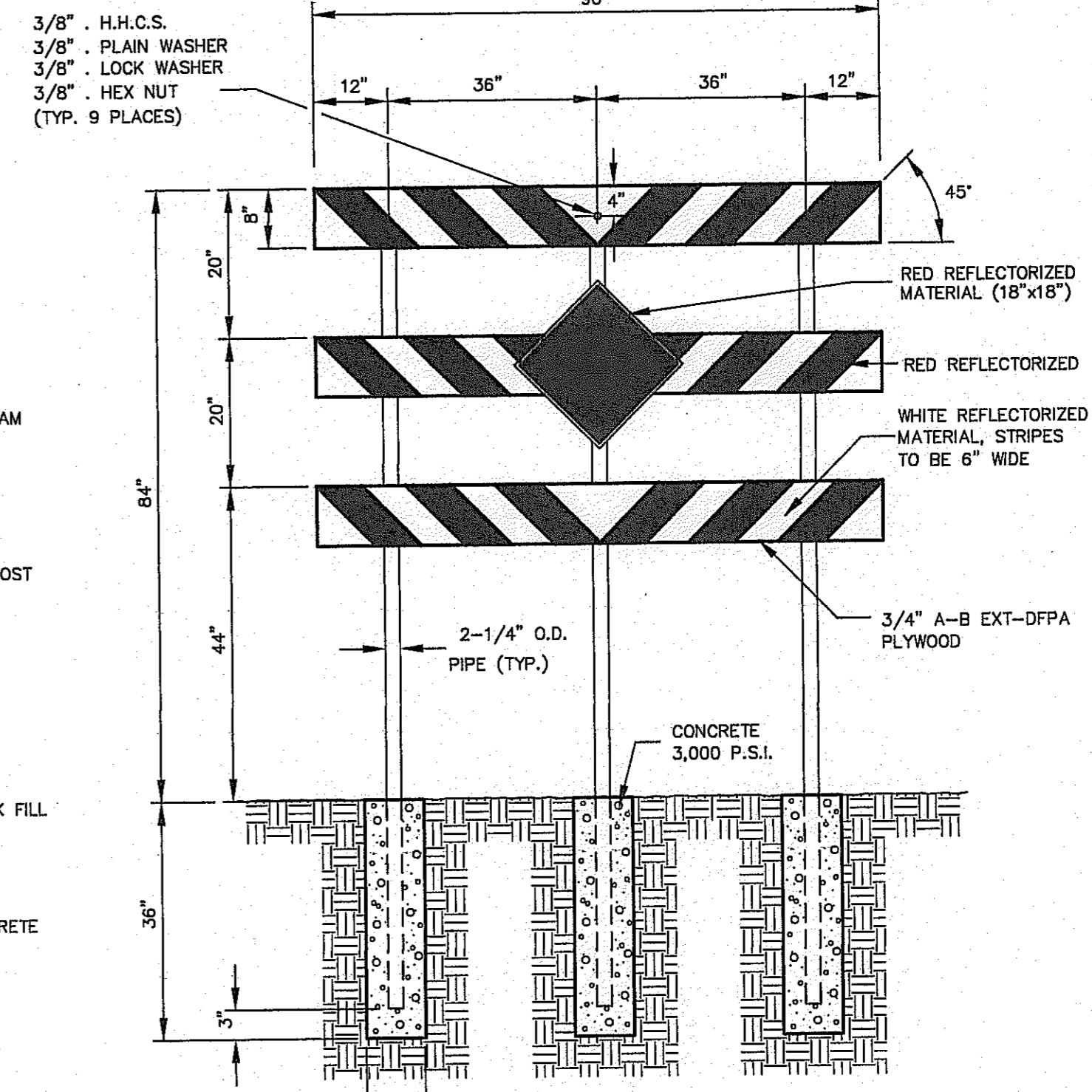
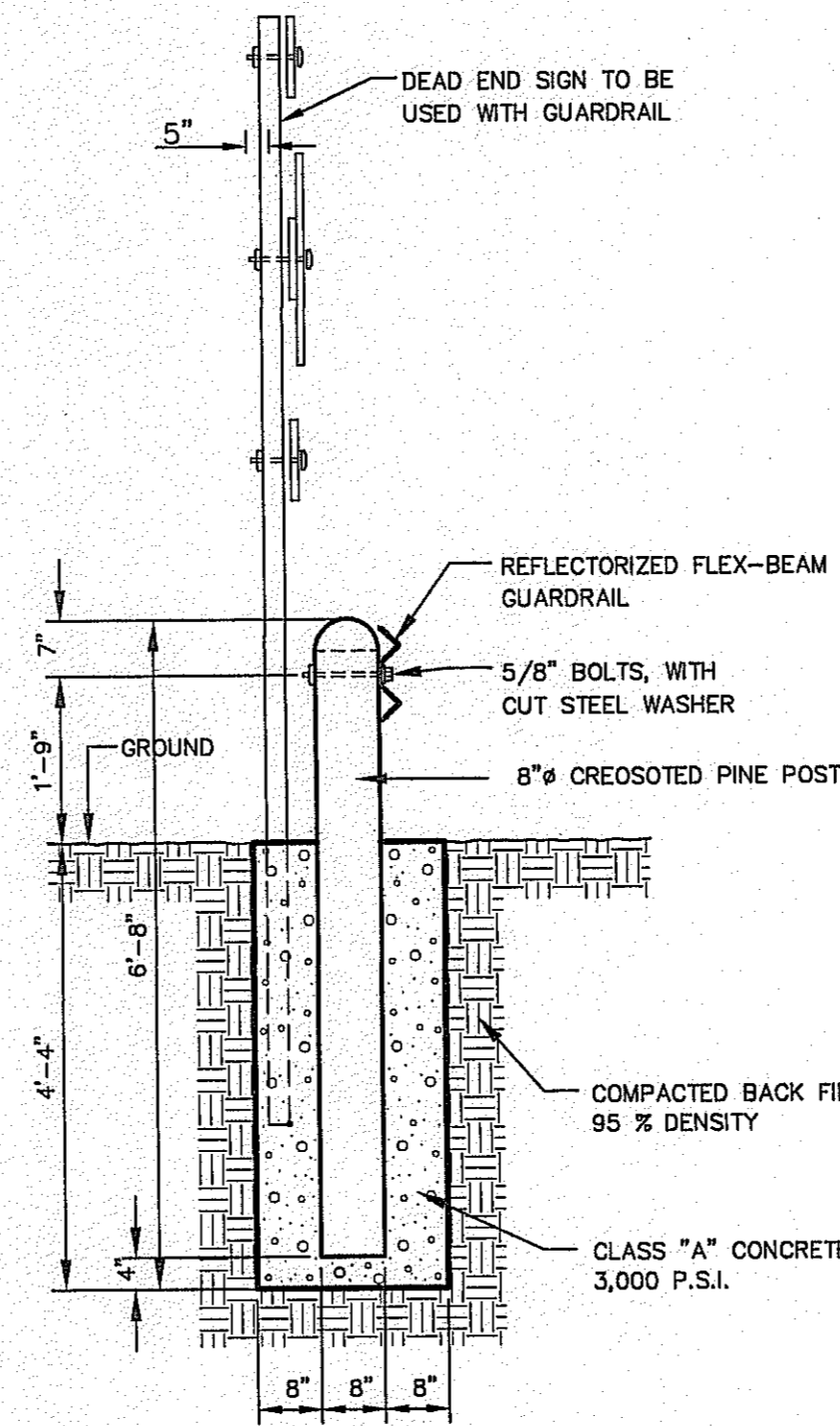
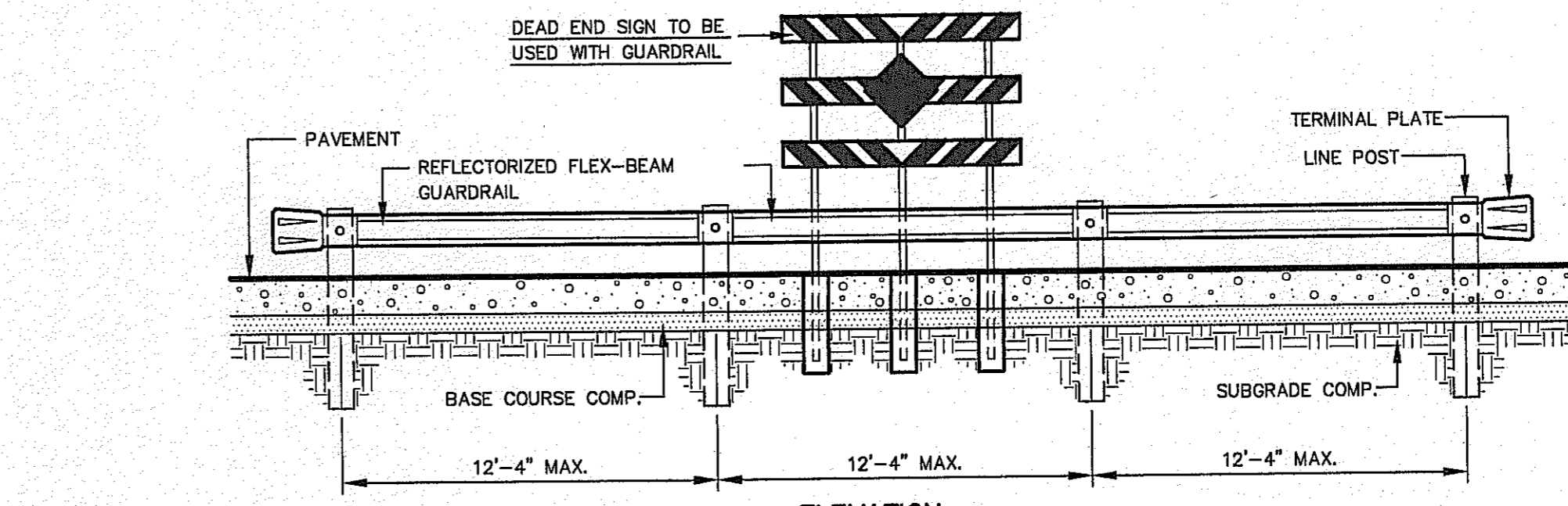
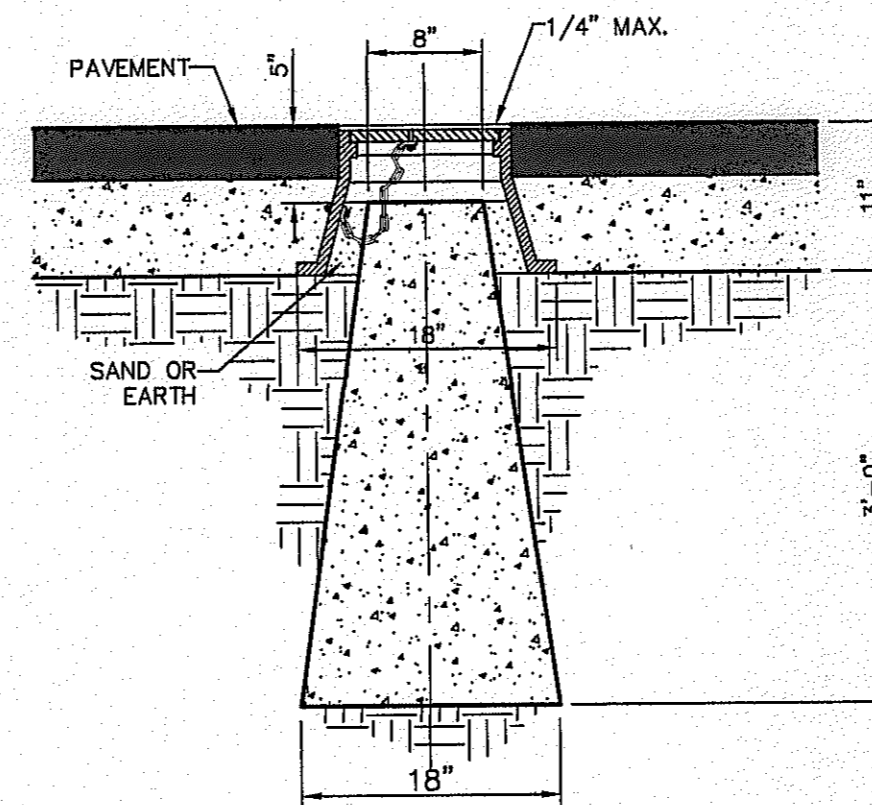
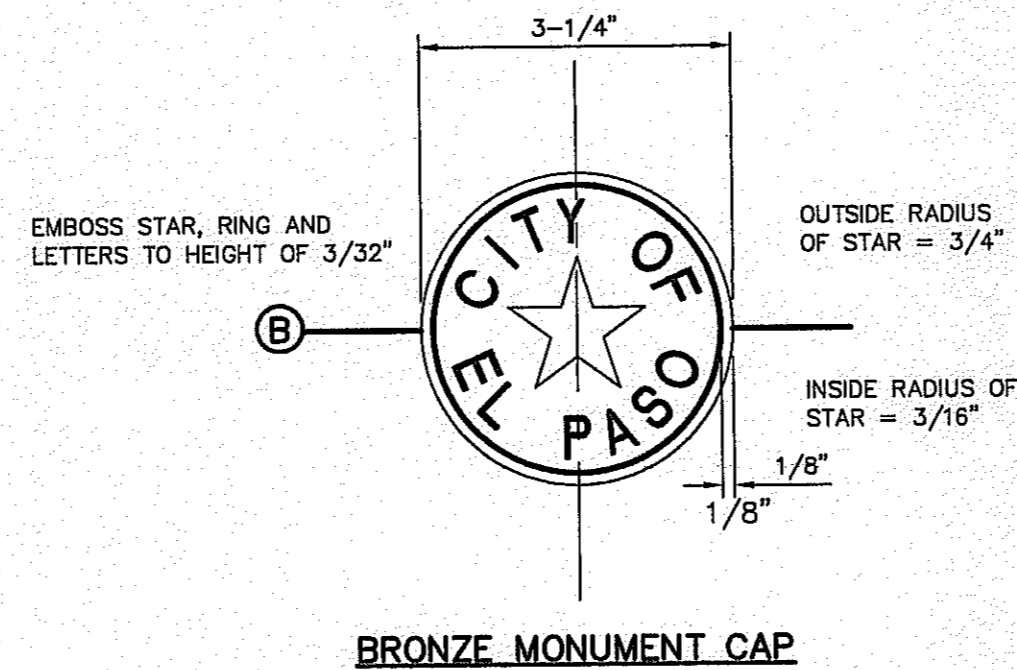
1. ALL SLOPES ARE MAXIMUM ALLOWABLE. THE LEAST POSSIBLE SLOPE THAT WILL STILL DRAIN PROPERLY SHOULD BE USED. RAMP LENGTH OR GRADE OF APPROACH SIDEWALKS MAY BE ADJUSTED AS DIRECTED BY THE ENGINEER.
2. THE MINIMUM SIDEWALK WIDTH IS 5'. WHERE A 5' SIDEWALK CAN NOT BE PROVIDED DUE TO SITE CONSTRAINTS, A 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).



**B SECTION**



**3 COUNTY SURVEY MONUMENT DETAILS**  
SCALE: N.T.S.



**2 GUARD RAIL/SIGN ASSEMBLY AT DEAD END STREET DETAIL**  
SCALE: AS SHOWN

**NOTES:**

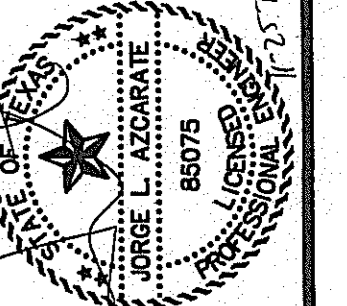
- A. MONUMENTS SHALL BE INSTALLED SO THAT ALL FRONT PROPERTY CORNERS OF ALL LOTS IN THE SUBDIVISION ARE WITH LINE OF SITE OF A MONUMENT, OR WITHIN SIGHT OF THE LINE BETWEEN TWO ADJACENT MONUMENTS.
- B. EACH MONUMENT SHALL BE WITH LINE OF SIGHT OF ANOTHER MONUMENT.
- C. MONUMENTS SHALL BE NO FURTHER THAN 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 LINE.
- E. NO FEWER THAN TWO MONUMENTS SHALL BE PLACED IN ONE (1) STREET SUBDIVISIONS.

CITY DEVELOPMENT DEPARTMENT

REVIEWED

EXISTING CITY MONUMENT ELEVATION 4003.10 FEET (CITY DATUM) LOCATED AT THE CENTERLINE INTERSECTION OF PASSE ALBERE CIRCLE AND PASSE LINDO DRIVE.		
DATE	REVISIONS	BY

**CSA**  
engineers • architects • planners  
TEXAS REGISTERED ENGINEERING FIRM F-4664  
4712 Woodrow Bean, Ste. F, El Paso, TX 79924  
Office: 915.544.5222 Fax: 915.544.5233 www.csaengineers.com



SCALE: N/A	N/A
Horizontal: N/A	N/A
Vertical: N/A	N/A
Contour Interval: N/A	N/A
DATE: OCTOBER, 2013	
DESIGN BY: F.O.	
DRAWN BY: J.L.A.	
CHECKED BY: J.L.A.	
APP'D. BY: J.L.A.	
JOB No. 2000-138LD	

PROJECT TITLE  
**MESQUITE TRAILS UNIT SEVEN  
AMENDING PLAT  
SUBDIVISION IMPROVEMENTS**

SHEET TITLE

STANDARD DETAILS

(SHEET 2 OF 2)

SHEET NO.

**C5.2**



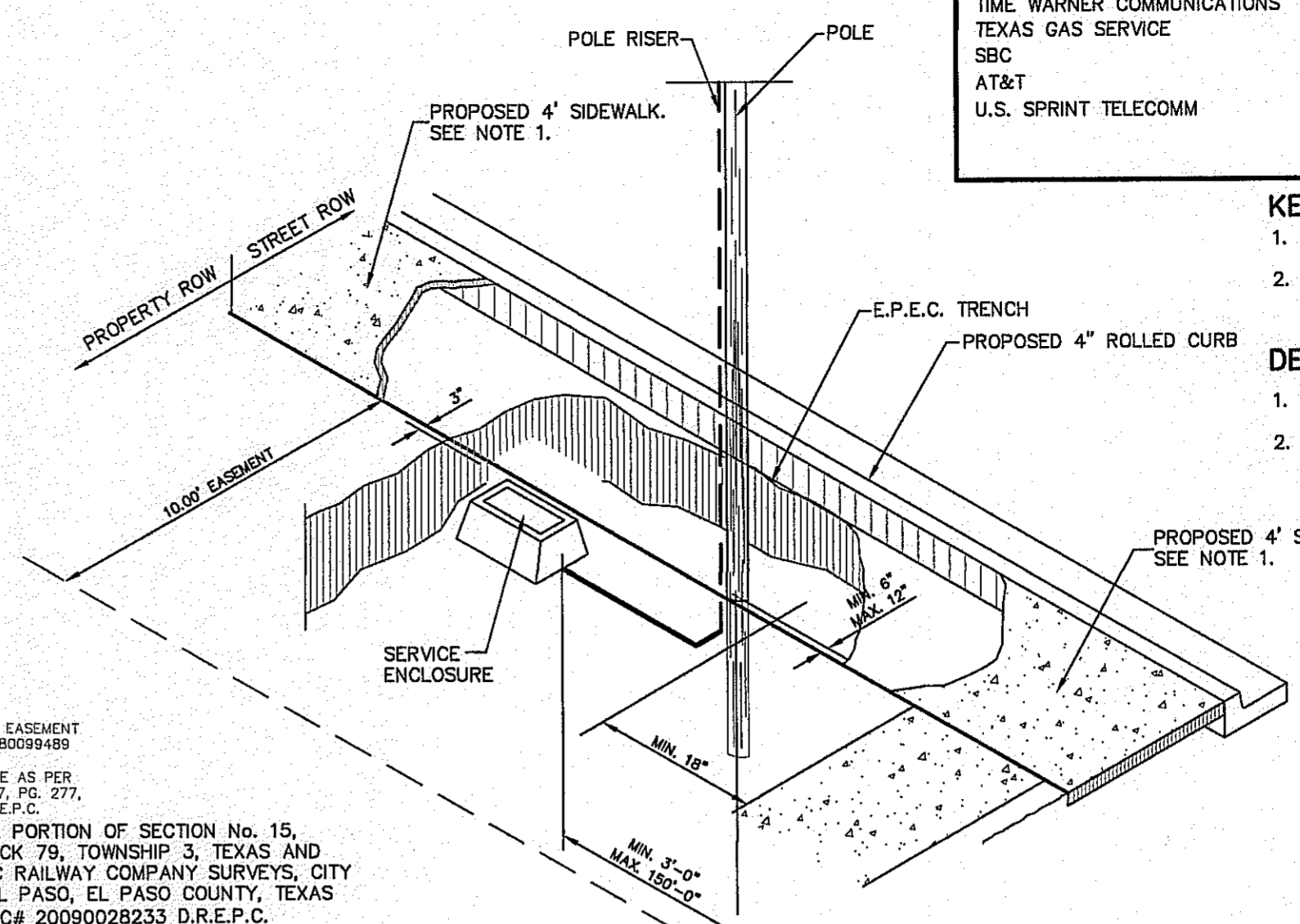
UTILITY LOCATOR SERVICES	
EL PASO ELECTRIC COMPANY	(915) 543-5720
EL PASO ENERGY CORPORATION	(915) 496-5244
EL PASO WATER UTILITIES	(915) 594-5500
MCI SURVEILLANCE	(800) MCI-WORK
TIME WARNER COMMUNICATIONS	(915) 772-1123
TEXAS GAS SERVICE	(915) 680-7200
SBC	(800) 545-6005
AT&T	(800) 852-3786
U.S. SPRINT TELECOMM	(800) 521-0579

**WARNING I BEFORE YOU DIG**

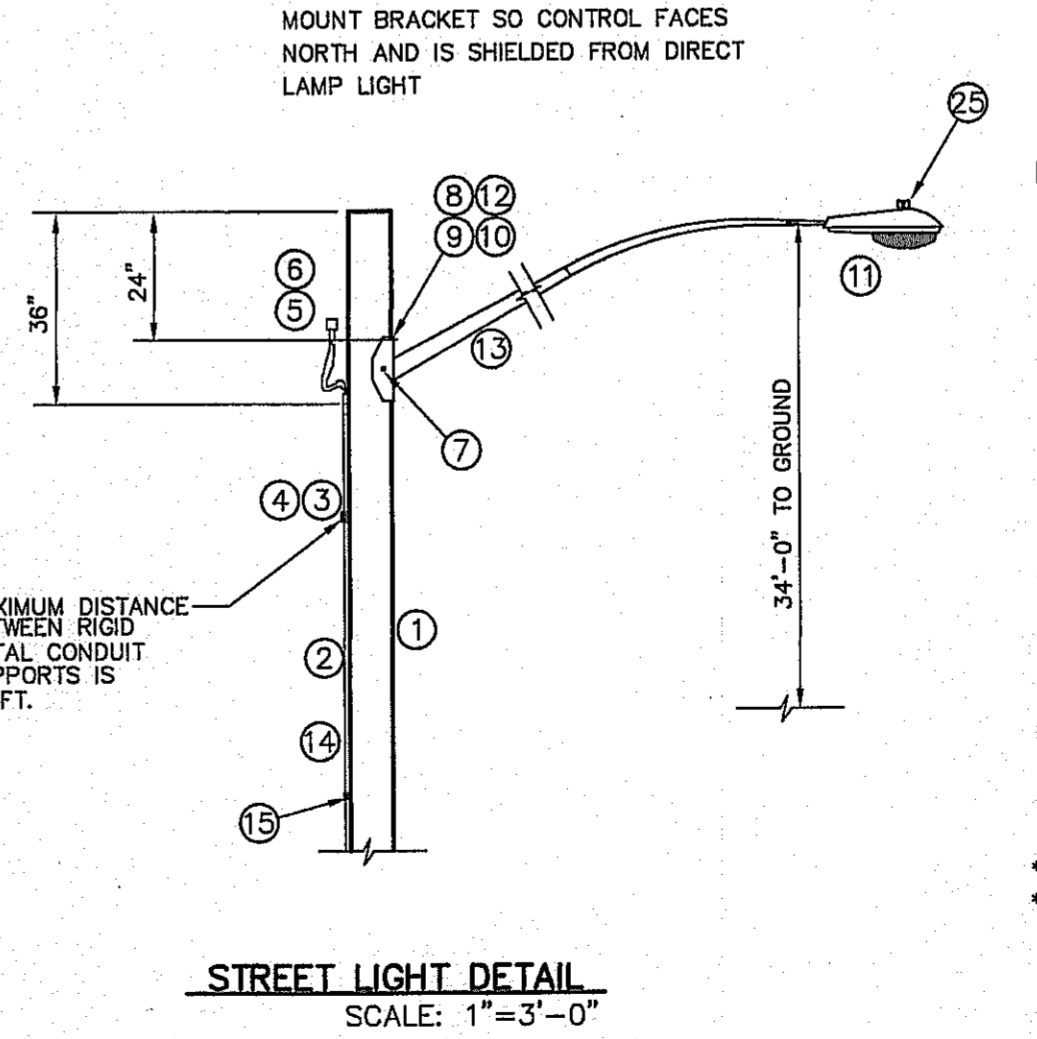
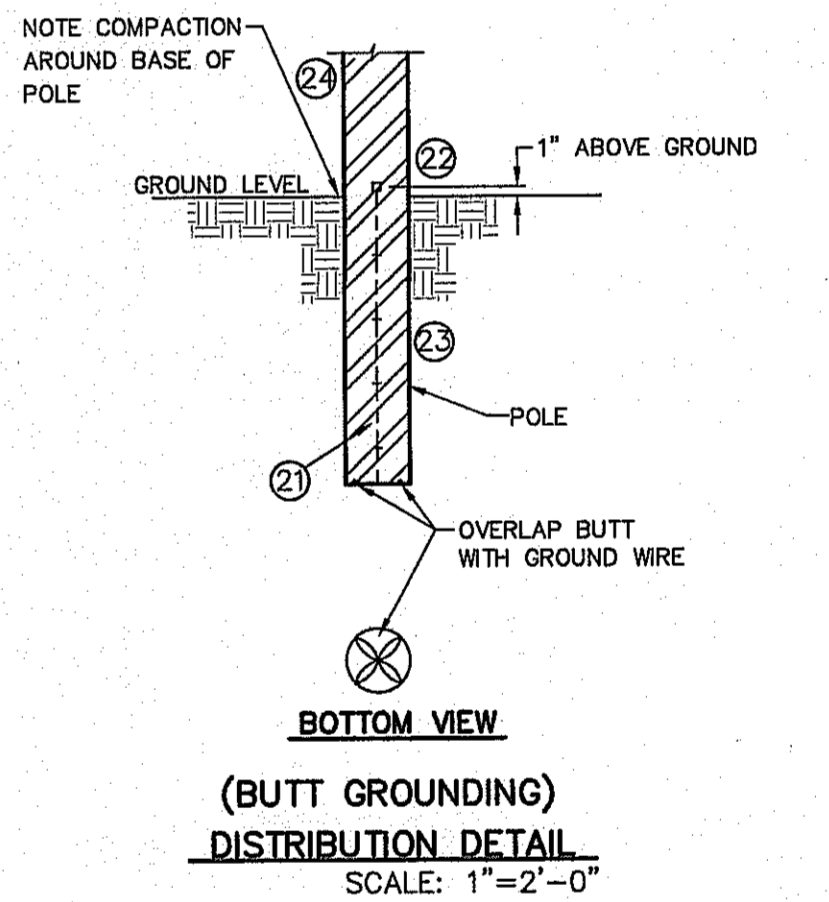
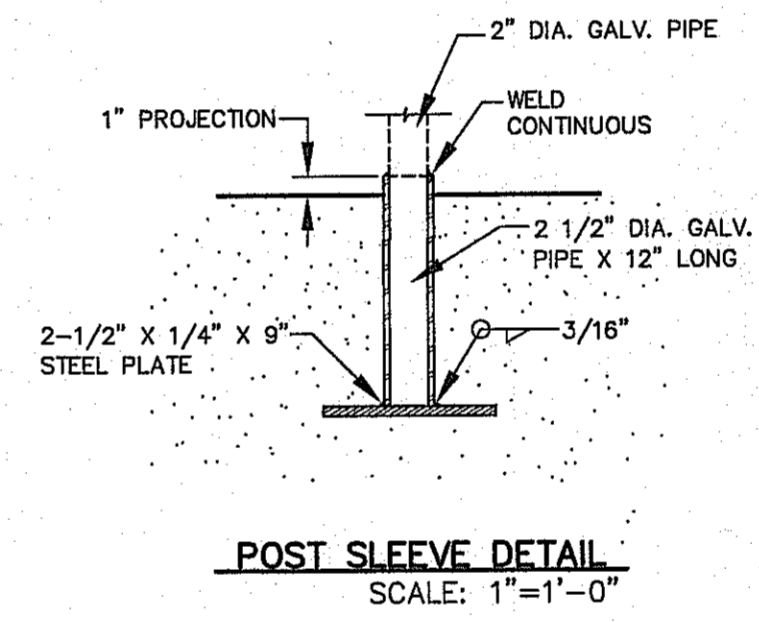
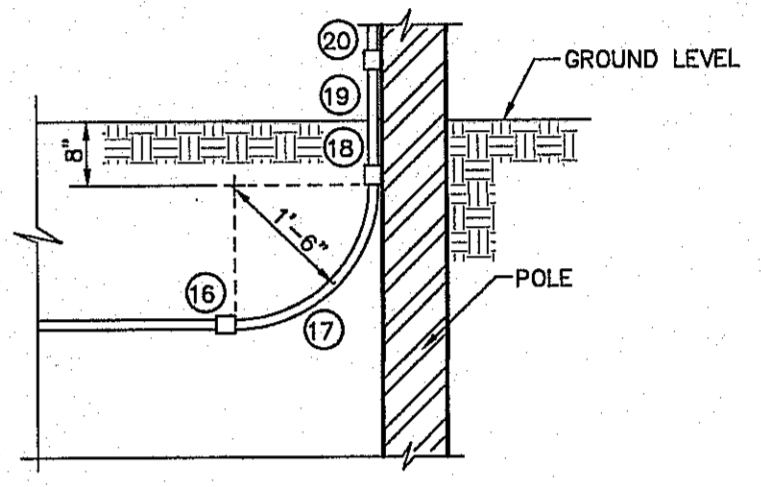
CALL  
1-800-DIG-TESS  
1-800-344-8377

FOR FIELD LOCATING EXISTING UTILITIES

- GENERAL NOTES:**
- A MINIMUM 3' CLEARANCE SHALL BE PROVIDED ON THE SIDEWALK AFTER THE LIGHT POLES & FIRE HYDRANTS ARE PLACED. SIDEWALK SHALL COMPLY WITH A.D.A. AND T.D.L.R. STANDARDS.
  - U.S. POSTAL SERVICE DELIVERY WILL BE PROVIDED THROUGH NEIGHBORHOOD DELIVERY AND COLLECTION BOX UNITS (NDCBU).
  - POSTS MUST BE BREAK-AWAY TYPE AS SHOWN ON THIS SHEET.
  - TRAFFIC STREET SIGNS MUST BE OF HIGH INTENSITY REFLECTIVE SHEETING.
- LEGEND:**
- ☉ EXISTING RESIDENTIAL STREET LIGHT
  - ☉ PROPOSED RESIDENTIAL STREET LIGHT
  - ⊕ PROPOSED 30" STOP SIGN
  - ⊕ PROPOSED 9" STREET NAME SIGN (TWO SIGNS) AND 30" STOP SIGN
  - ⊕ W14-1P DEAD END SIGN
  - ☒ PROPOSED N.D.B.C.U. MAIL BOX

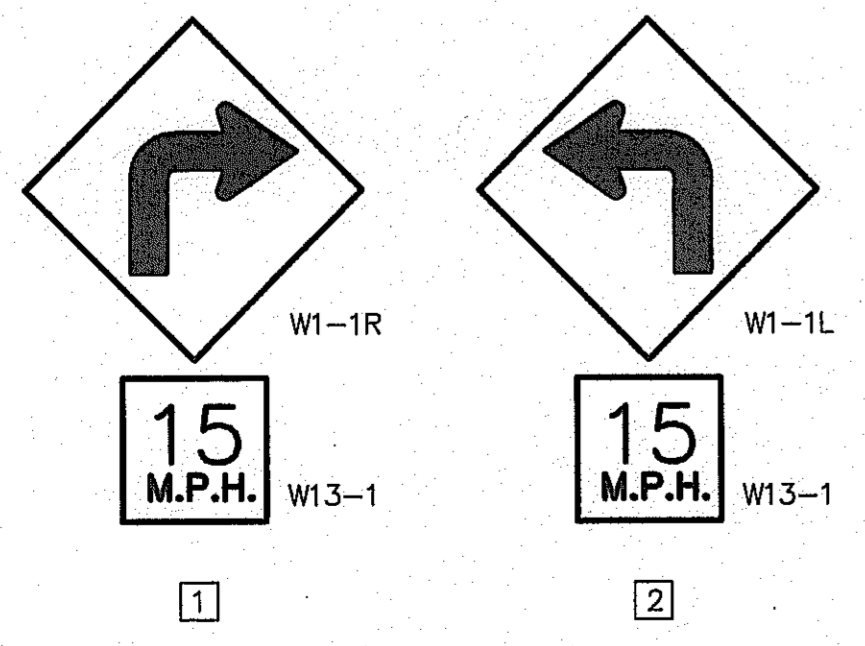
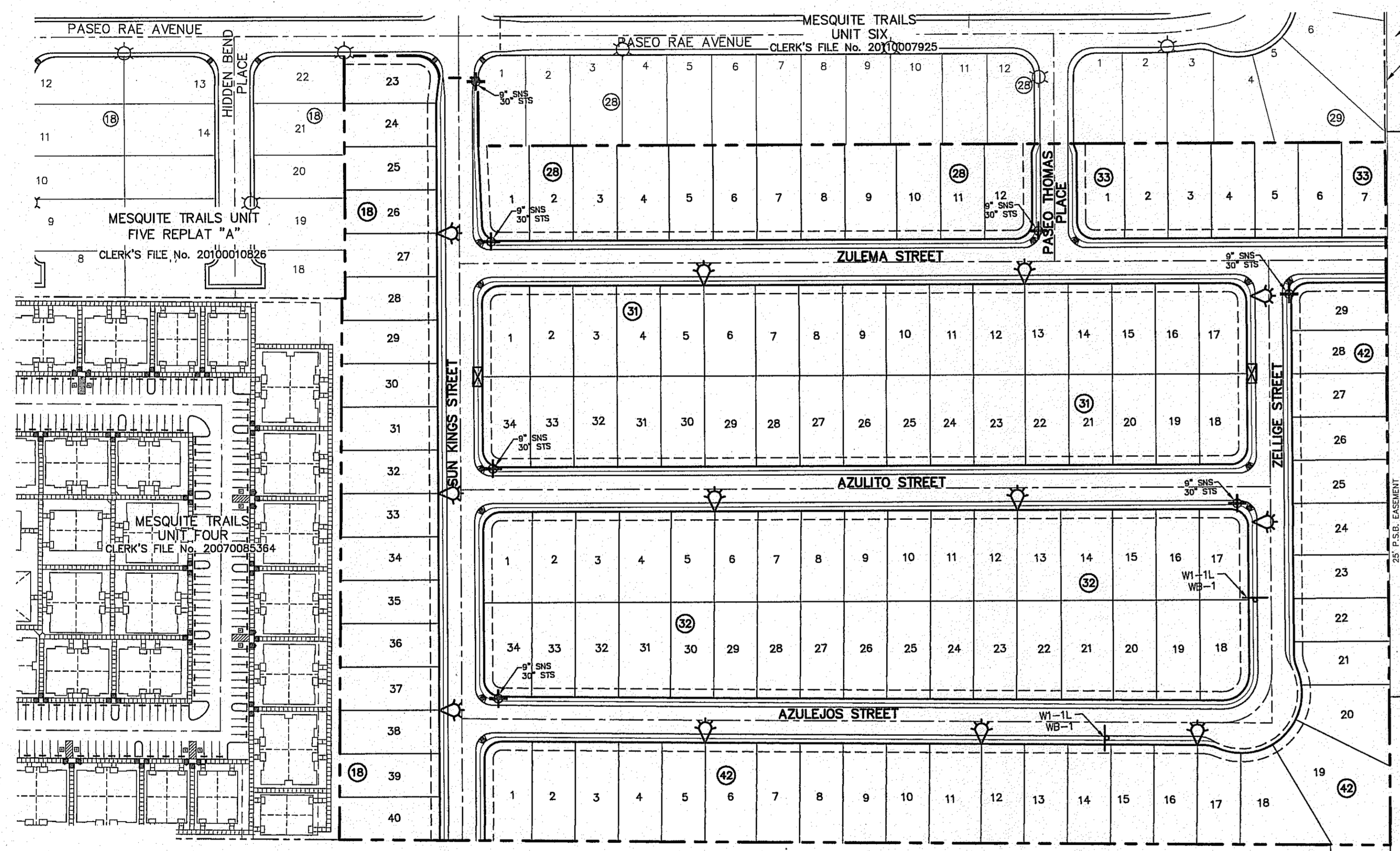


- KEYED NOTES:**
- MOUNT SO THAT CONTROL FACES NORTH
  - ITEM 17 SHALL NOT BE SPLICED INSIDE ITEM 14
- DESIGN NOTES:**
- INSTALLATION SHALL COMPLY WITH ALL LOCAL CODE REQUIREMENTS.
  - FOR ANY CLARIFICATION, EXCEPTIONS, OR QUESTIONS REGARDING CODE INTERPRETATION, CALL THE EL PASO ELECTRIC CO. DISTRIBUTION DEVELOPMENT DEPARTMENT.



ITEM	QTY.	DESCRIPTION
1	1	POLE, PENTA TREATED PINE 40' CLASS III
2	27	1/2" RIGID GALVANIZED STEEL CONDUIT
3	4	TWO HOLE STEEL PIPE STRAP FOR 1/2" CONDUIT
4	8	1/4" x 1" LAG BOLT
5	1	PHOTO CELL RECEPTACLE WITH 1/2" THREADED BASE AND MOUNTING BRACKET
6	1	PHOTO CELL, 240V.
7	4	1/2" x 4" LAG BOLT
8	1	WASHER, SQ. GALV. 2-1/4" x 2-1/4"
9	1	MACHINE BOLT 5/8" x 8"
10	1	LOCKNUT 5/8"
11	1	LUMINAIRE 100W H.P.S.
12	1	WASHER, COIL SPRING 5/8"
13	1	STEEL LUMINAIRE SUPPORT (10" OR 8") UNION METAL MANUF. CO. DESIGN 348 OR EQUIVALENT
14	2	#12 COPPER WIRES WITH THW INSULATION
15	1	GROUND CLAMP FOR 1/2" RIGID CONDUIT
16	1	1/2" SCHEDULE 40 PVC COUPLING
17	1	1/2" SCHEDULE 40 PVC 18" RADIAL BEND
18	1	1/2" SCHEDULE 40 PVC FEMALE ADAPTER
19	1	1/2" x 8" PVC COATED RIGID STEEL CONDUIT NIPPLE
20	1	1/2" PVC COATED RIGID STEEL COUPLING
21	1	COPPER WIRE, #6 BARE SOLID HARD DRAWN
22	1	ALUMINUM WIRE, #4 BARE SOLID HARD DRAWN
23	1/2#	STAPLE, GALV. 1-1/2" NO. 9
24	1	SPLICE, #4 SOLID ALUM. TO #6 SOLID CU.
25	1	PHOTOCELL, 240V

\* MUST MEET OCCIDENTAL COATING CO. SPECS.



**NOTE:**  
SIGNS SHOULD COMPLY WITH THE TEXAS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).

**SIGNS DETAIL**  
SCALE: N.T.S.

**ILLUMINATION & SIGNAGE PLAN**  
SCALE: 1" = 100'

**REFERENCES - BENCHMARKS**

EXISTING CITY MONUMENT  
ELEVATION 4063.10 FEET (CITY DATUM)  
LOCATED AT THE CENTERLINE INTERSECTION OF  
PASEO ALEGRE CIRCLE AND PASEO UNDO DRIVE

**ENGINEER'S SEAL**

**PROJECT TITLE**  
MESQUITE TRAILS UNIT SEVEN  
AMENDING PLAT  
SUBDIVISION IMPROVEMENTS

**SHEET TITLE**  
ILLUMINATION  
PLAN & DETAILS

**SHEET NO.**  
C6.1

**REVISIONS**

DATE	REVISIONS	BY

**SCALE:** 1" = 100'  
Horizontal: N/A  
Vertical: Interval: N/A

**DATE:** OCTOBER 2013  
**DESIGN BY:** R.O.  
**DRAWN BY:** J.G.  
**CHKD. BY:** J.L.A.  
**APPRD. BY:** J.L.A.  
JOB No. 2000-1331LD

**UTILITY LOCATOR SERVICES**

**WARNING I BEFORE YOU DIG**

CALL  
1-800-DIG-TESS  
1-800-344-8377

FOR FIELD LOCATING EXISTING UTILITIES

**KEYED NOTES:**

- MOUNT SO THAT CONTROL FACES NORTH
- ITEM 17 SHALL NOT BE SPLICED INSIDE ITEM 14

**DESIGN NOTES:**

- INSTALLATION SHALL COMPLY WITH ALL LOCAL CODE REQUIREMENTS.
- FOR ANY CLARIFICATION, EXCEPTIONS, OR QUESTIONS REGARDING CODE INTERPRETATION, CALL THE EL PASO ELECTRIC CO. DISTRIBUTION DEVELOPMENT DEPARTMENT.

**POLE LOCATION DETAIL**  
SCALE: 1" = 5'-0"

**POLE RISER DETAIL**  
SCALE: 1" = 2'-0"

**POST SLEEVE DETAIL**  
SCALE: 1" = 1'-0"

**BOTTOM VIEW (BUTT GROUNDING) DISTRIBUTION DETAIL**  
SCALE: 1" = 2'-0"

**STREET LIGHT DETAIL**  
SCALE: 1" = 3'-0"

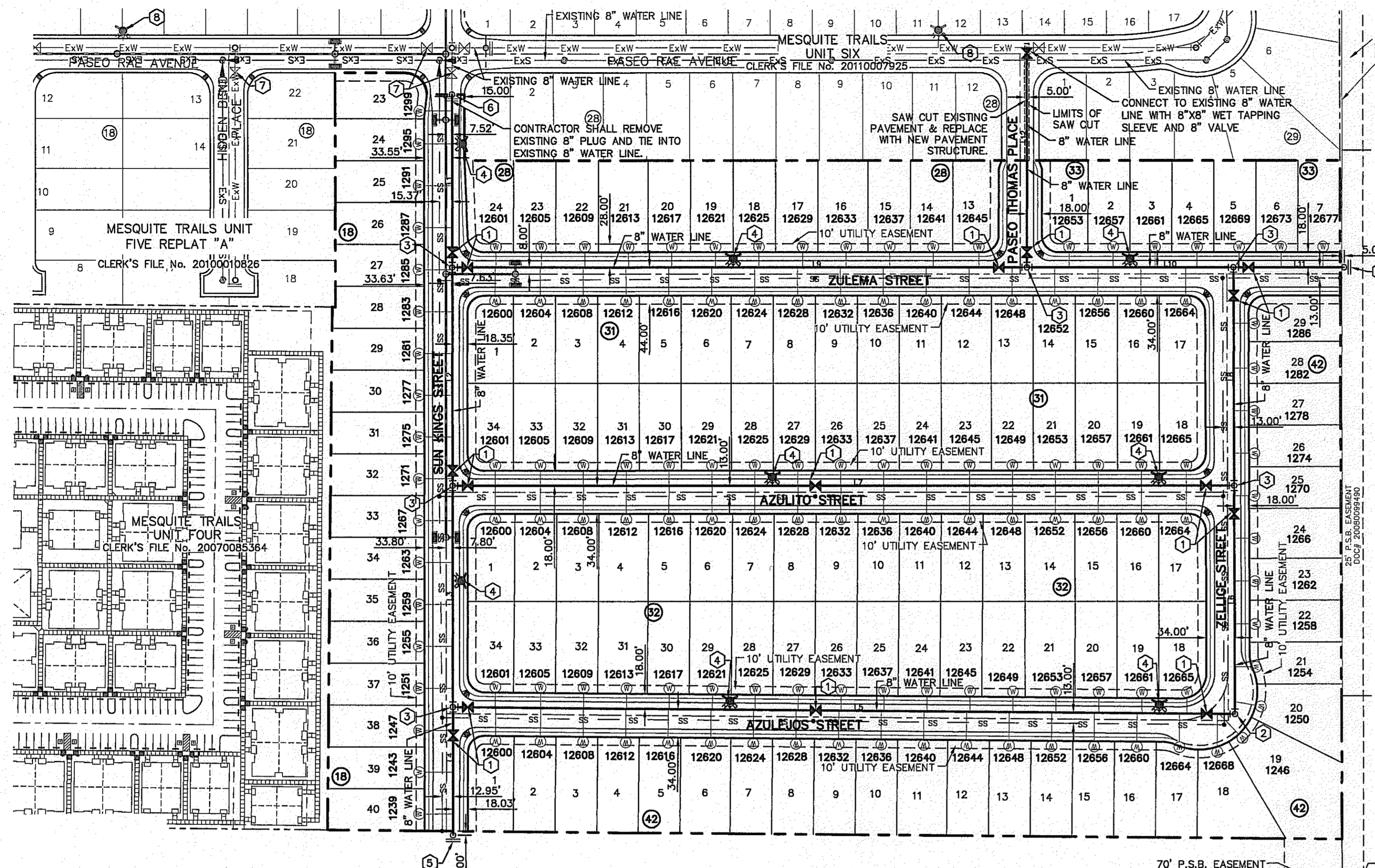
ITEM	QTY.	DESCRIPTION
1	1	POLE, PENTA TREATED PINE 40' CLASS III
2	27	1/2" RIGID GALVANIZED STEEL CONDUIT
3	4	TWO HOLE STEEL PIPE STRAP FOR 1/2" CONDUIT
4	8	1/4" x 1" LAG BOLT
5	1	PHOTO CELL RECEPTACLE WITH 1/2" THREADED BASE AND MOUNTING BRACKET
6	1	PHOTO CELL, 240V.
7	4	1/2" x 4" LAG BOLT
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25	1	PHOTOCELL, 240V

\* MUST MEET OCCIDENTAL COATING CO. SPECS.

**CITY DEVELOPMENT DEPARTMENT**

**REVIEWED**





25' P.S.B. EASEMENT  
DOCS 2009009489  
D.R.E.P.C.  
THIS LINE AS PER  
VOL. 2827, PG. 277,  
D.R.E.P.C.

A PORTION OF SECTION No. 15,  
BLOCK 79, TOWNSHIP 3, TEXAS AND  
PACIFIC RAILWAY COMPANY SURVEYS, CITY  
OF EL PASO, EL PASO COUNTY, TEXAS  
DOC# 2009002233 D.R.E.P.C.

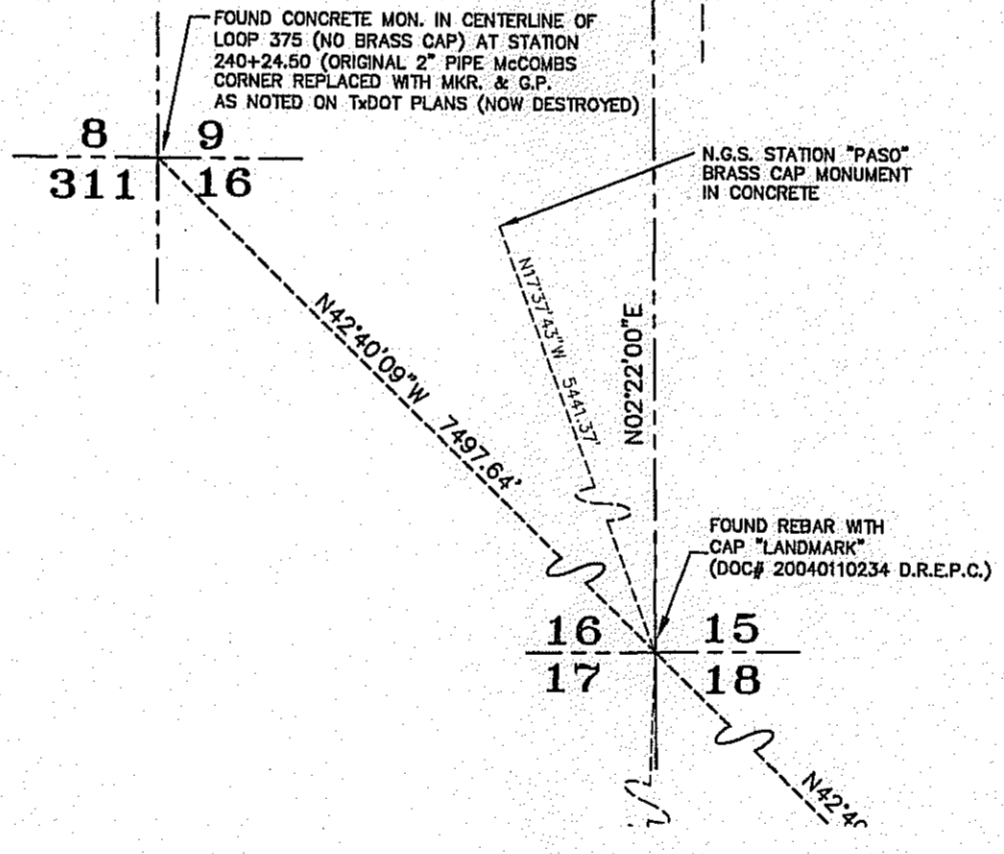
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PACIFIC RAILWAY COMPANY SURVEYS, CITY  
OF EL PASO, EL PASO COUNTY, TEXAS  
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D.R.E.P.C.

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BLOCK 79, TOWNSHIP 3, TEXAS AND  
PACIFIC RAILWAY COMPANY SURVEYS, CITY  
OF EL PASO, EL PASO COUNTY, TEXAS  
DOC# 2009007060  
D.R.E.P.C.

A PORTION OF SECTION No. 16,  
BLOCK 79, TOWNSHIP 3, TEXAS AND  
PACIFIC RAILWAY COMPANY SURVEYS  
EL PASO, EL PASO COUNTY, TEXAS  
TRACT 1  
(PART OF SCHOOL FILE No. 145575)

WATER KEYED NOTES	
(1)	8" GATE VALVE
(2)	8" BEND
(3)	8" X 8" X 8" TEE
(4)	FIRE HYDRANT
(5)	8" PLUG
(6)	EXISTING 8" PLUG
(7)	EXISTING 8" GATE VALVE
(8)	EXISTING FIRE HYDRANT

LINE TABLE		
LINE	BEARING	LENGTH
L1	S02°28'03"W	207.00'
L2	S02°28'03"W	262.00'
L3	S02°28'03"W	265.08'
L4	S02°28'03"W	154.01'
L5	S86°58'46"E	939.26'
L6	N02°22'00"E	273.62'
L7	S87°30'02"E	938.74'
L8	N02°22'00"E	262.00'
L9	S87°30'02"E	690.52'
L10	S87°30'02"E	247.76'
L11	S87°30'02"E	133.00'
L12	N02°29'58"E	263.00'



**UTILITY LOCATOR SERVICES**

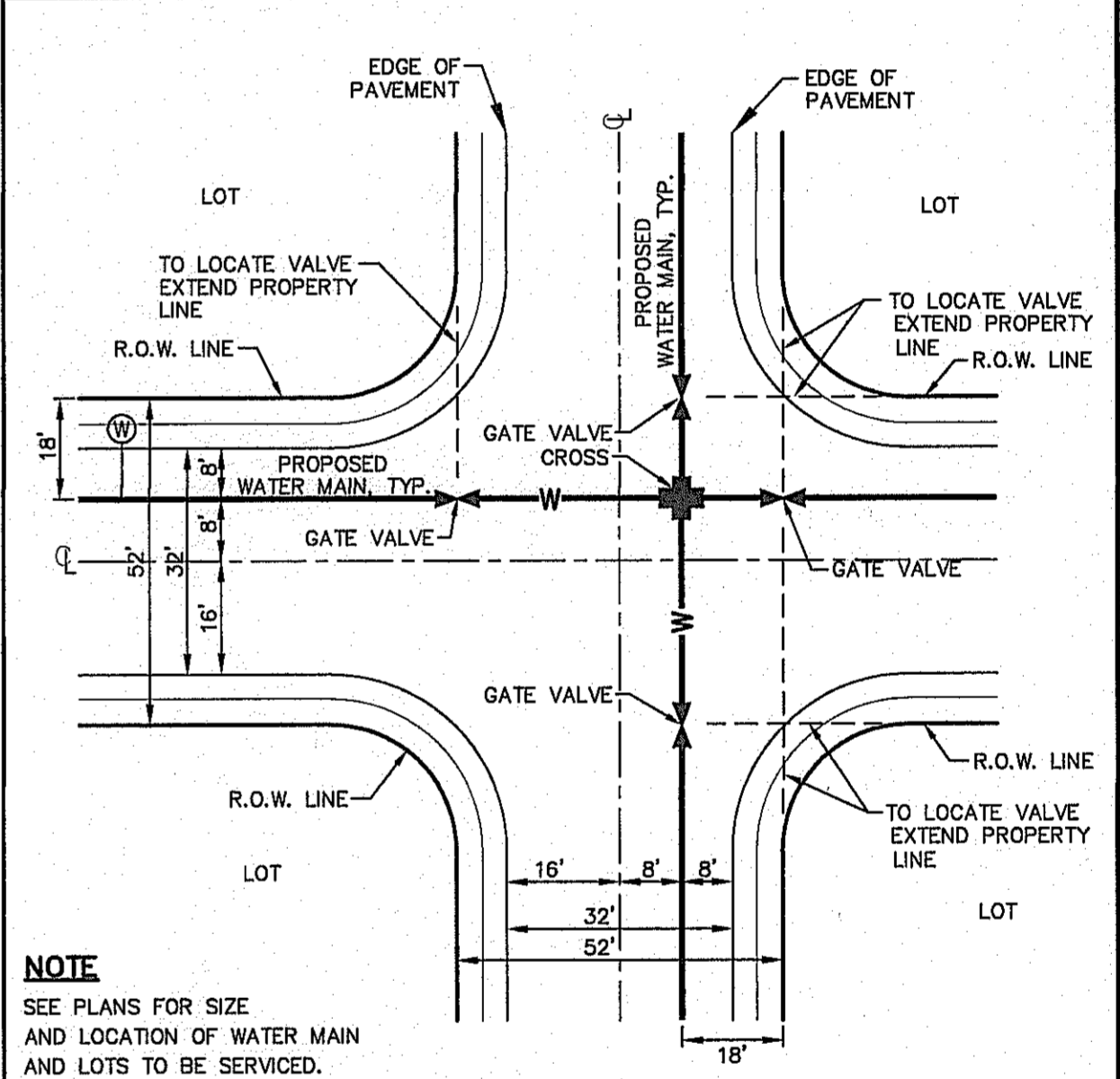
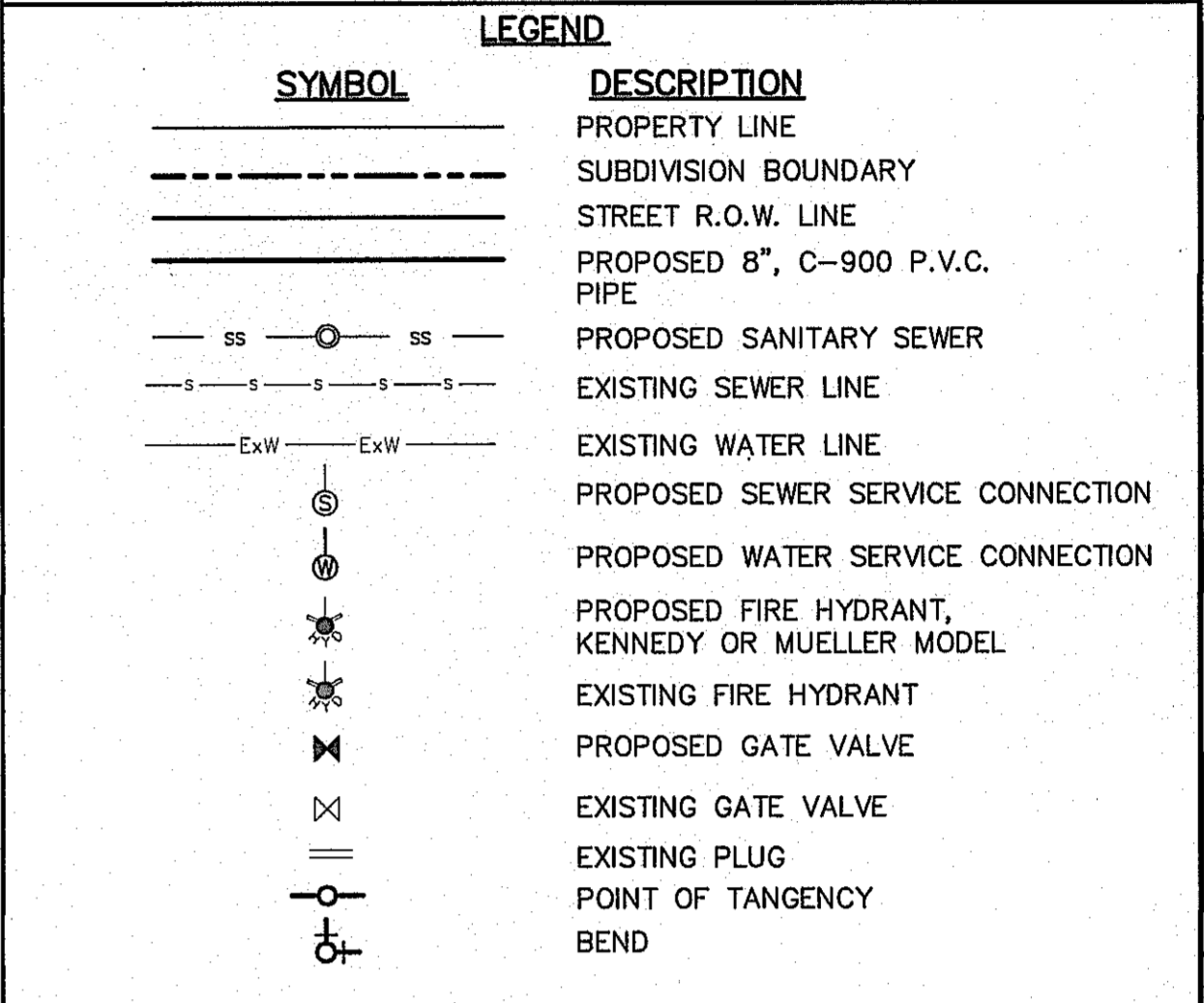
EL PASO ELECTRIC COMPANY (915) 543-5720  
 EL PASO ENERGY CORPORATION (915) 496-5244  
 EL PASO WATER UTILITIES (915) 594-5500  
 MCI SURVEILLANCE (800) MCI-WORK  
 TIME WARNER COMMUNICATIONS (915) 772-1123  
 TEXAS GAS SERVICE (915) 680-7200  
 SBC (800) 545-6005  
 AT&T (800) 852-3786  
 U.S. SPRINT TELECOMM (800) 521-0579

**WARNING I BEFORE YOU DIG**

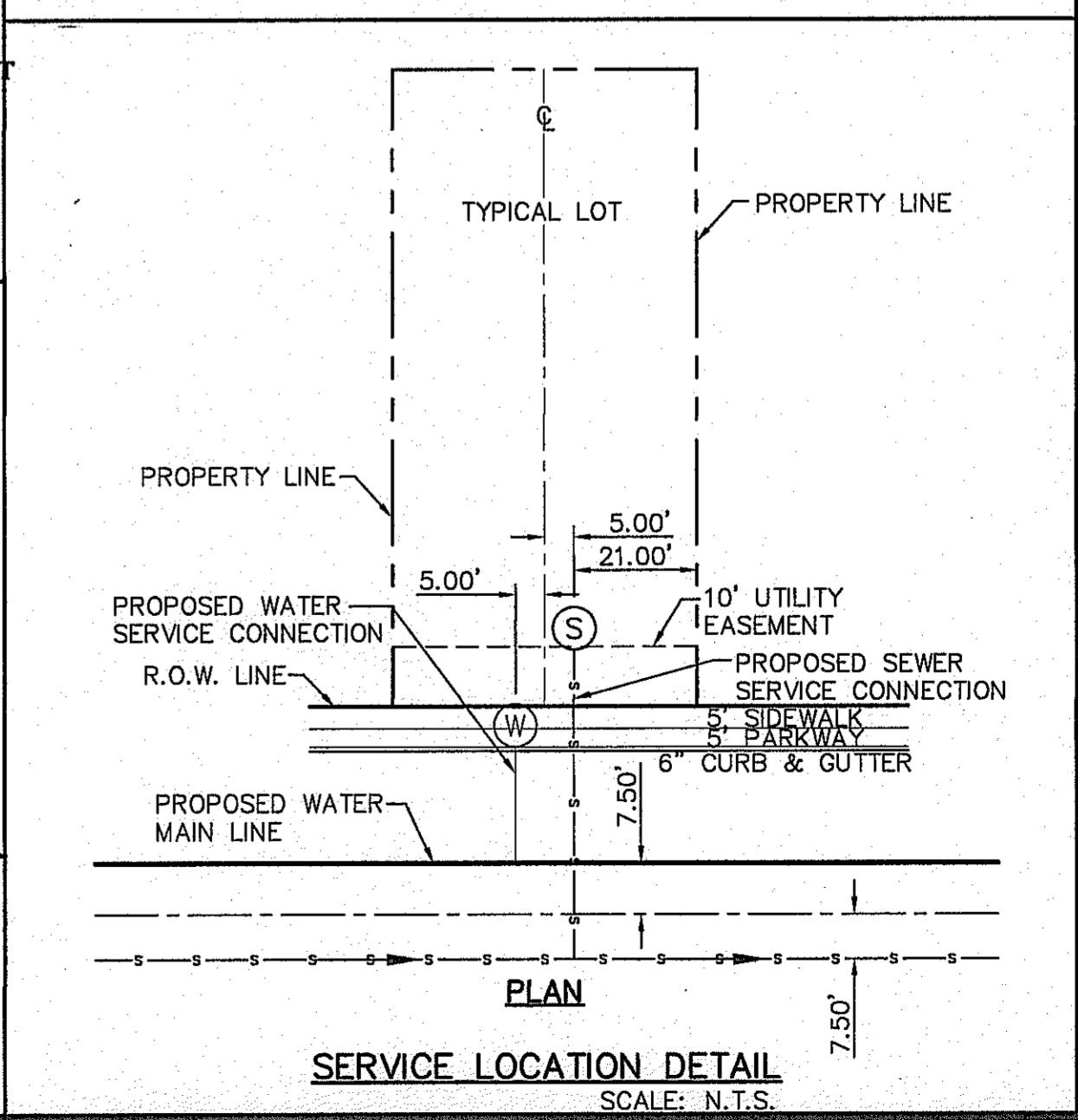
CALL  
 1-800-DIG-TESS  
 1-800-344-8377  
 FOR FIELD LOCATING EXISTING UTILITIES

**NOTES:**

1. ALL WATER LINES SHALL COMPLY WITH DR-18, PRESSURE RATING OF 165 OR UNLESS OTHERWISE REQUIRED BY THE EPWU/PSB RULES AND REGULATIONS AND DESIGN STANDARDS.



**TYPICAL VALVE AND WATER LOCATION AT STREET INTERSECTIONS**  
SCALE: N.T.S.



**SERVICE LOCATION DETAIL**  
SCALE: N.T.S.

- GENERAL NOTES**
- UNLESS OTHERWISE SHOWN ON THE DRAWINGS, THE PROPOSED WATER MAINS SHALL BE INSTALLED NO LESS THAN 10' AWAY FROM EXISTING SEWER LINE.
  - THE INTENT OF THE OWNER IS TO HAVE THE WATER MAINS INSTALLED TO SUCH A DEPTH THAT THEY WILL HAVE AT LEAST 60" FROM INVERT OF PIPELINE TO PROPOSED ELEVATIONS AT ALL LOCATIONS. THE PIPELINES SHALL HAVE NO DIPS, SAGS OR HUMPS OR OTHER IRREGULARITIES IN VERTICAL ALIGNMENT. THE CONTRACTOR SHALL VERIFY THE LOCATION AND DEPTH OF ALL EXISTING UTILITIES PRIOR TO INSTALLING THE WATER 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 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 WITHIN THE PROJECT AREAS.
  - TRENCH SAFETY REQUIREMENTS SHALL BE AS REQUIRED BY OSHA.
  - 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 VALVE, FIRE HYDRANT, ELBOW, SERVICE CONNECTION AND/OR STUB-OUT, WITH RESPECT TO THE APPROPRIATE PROJECT CONTROL POINT.
  - THE EL PASO WATER UTILITIES AND CITY OF EL PASO MUST BE NOTIFIED 48 HOURS PRIOR TO COMMENCING ANY WORK IN AREAS WITHIN THEIR JURISDICTION.
  - EXISTING STREETS, DRIVEWAYS, PARKING LOTS, MAILBOXES, SIGNS, CHAIN-LINK FENCES, AND ALL OTHER MISCELLANEOUS STRUCTURES DAMAGE OR REMOVED BY CONSTRUCTION ACTIVITIES SHALL BE RESTORED TO ORIGINAL OR BETTER THAN ORIGINAL CONDITION AT NO COST TO OWNER.
  - TRAFFIC CONTROL SHALL BE IN PLACE PRIOR TO INITIATING WORK.
  - ALL TIE-INS SHALL BE CLOSELY COORDINATED WITH THE EL PASO WATER UTILITIES AT LEAST 48 HOURS PRIOR TO ACTUAL CONSTRUCTION.
  - CONTRACTOR SHALL PROVIDE THE REQUIRED COUPLINGS, ELBOWS AND NECESSARY PIPING APPURTENANCES FOR A COMPLETE AND OPERATIONAL WATER SYSTEM.
  - ALL NEW VALVES SHALL BE ALIGNED PERPENDICULAR TO PROPERTY LINES.

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

**ENGINEER:**  
 CEA GROUP  
 CASTNER CENTER @ TRANSMOUNTAIN  
 4712 WOODROW BEAN, STE. F  
 EL PASO, TX. 79924  
 (915) 544-5232  
 MR. JORGE L. AZCARATE, P.E.

**FIBER OPTICS:**  
 U.S. SPRINT  
 151 N. BOONE ST.  
 EL PASO, TX. 79907  
 (915) 544-5232  
 MR. RICK DERAGISCH

**FIBER OPTICS:**  
 MCI TELECOMMUNICATIONS CORP.  
 4045 DONIPHAN PARK CIRCLE  
 EL PASO, TX. 79922  
 (915) 542-2770 EXT. 201  
 MR. DANIEL HERNANDEZ

**WATER & SEWER:**  
 EL PASO WATER UTILITIES  
 1154 HAWKINS BOULEVARD  
 EL PASO, TX. 79961  
 (915) 594-5530  
 MR. FELIPE LOPEZ, JR., P.E.

**ELECTRIC:**  
 EL PASO ELECTRIC CO.  
 501 W. SAN ANTONIO ST.  
 EL PASO, TX. 79907  
 (915) 543-2076  
 MR. FRANK VIGEL (DISTRIBUTION)

**EL PASO STREETS**  
 CITY OF EL PASO  
 DEPARTMENT OF TRANSPORTATION  
 7969 SAN PAULO DRIVE  
 EL PASO, TX. 79907  
 (915) 621-6750  
 MR. TED MARQUEZ, P.E.

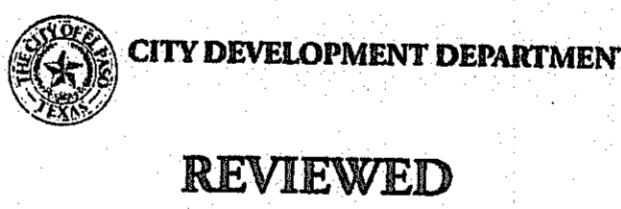
**CABLE TELEVISION:**  
 TIME WARNER COMMUNICATIONS  
 7010 AIRPORT ROAD  
 EL PASO, TX. 79906  
 (915) 772-1123

**TELEPHONE:**  
 SBC  
 11200 PELICANO  
 EL PASO, TX. 79935  
 (800) 595-5151  
 MR. TIM BROWN

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

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

**WARNING I BEFORE YOU DIG**  
 CALL  
 1-800-DIG-TESS  
 1-800-344-8377  
 FOR FIELD LOCATING EXISTING UTILITIES



EXISTING CITY MONUMENT  
ELEVATION 4003.10 FEET (CITY DATUM)  
LOCATED AT THE CENTERLINE INTERSECTION OF  
PASEO RYE AVENUE AND PASO LINDO DRIVE.

REFERENCES - BENCHMARKS

DATE: \_\_\_\_\_

BY: \_\_\_\_\_

REVISIONS

ENGINEER'S SEAL

SCALE: 1"=100'

Vertical: N/A  
 Horizontal: N/A  
 Contour Interval: N/A

DATE: OCTOBER 2013  
 DESIGN BY: R.O.  
 DRAWN BY: J.G.  
 CHKD. BY: J.L.A.  
 APPVD. BY: J.L.A.  
 JOB NO. 2000-1381D

**MESQUITE TRAILS UNIT SEVEN  
 AMENDING PLAT  
 SUBDIVISION IMPROVEMENTS**

PROJECT TITLE

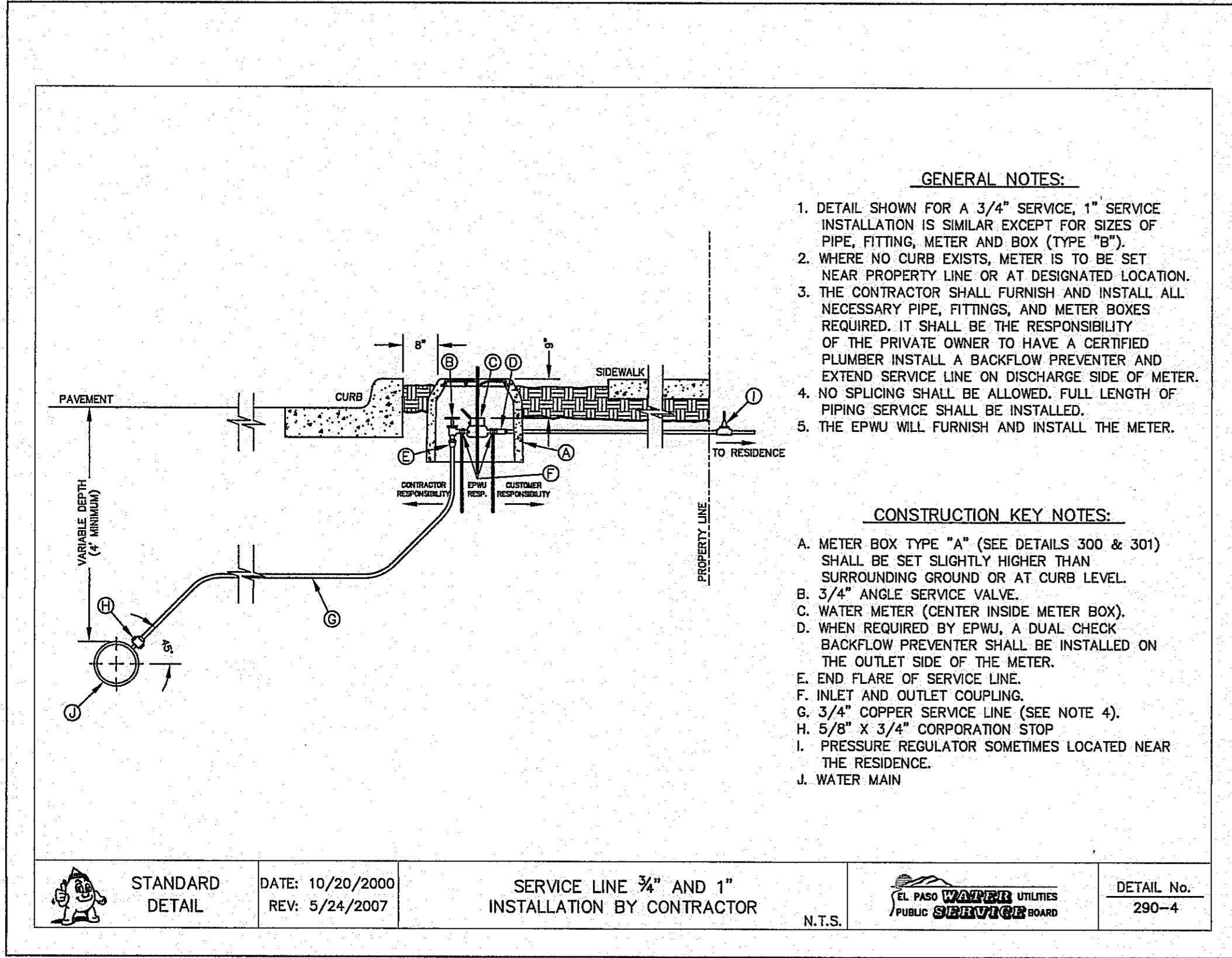
SHEET TITLE

**WATER INDEX**

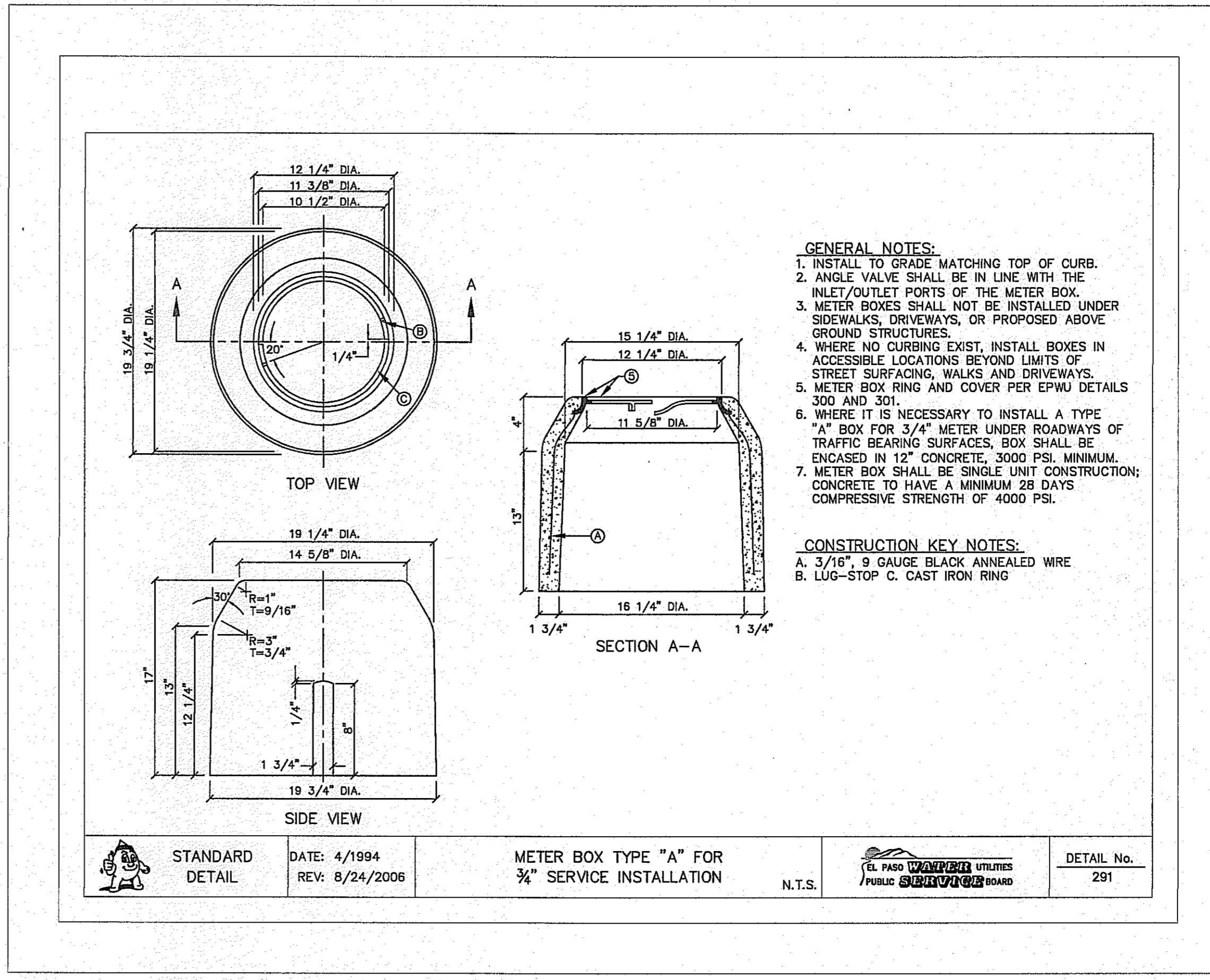
SHEET NO.

**C7.1**

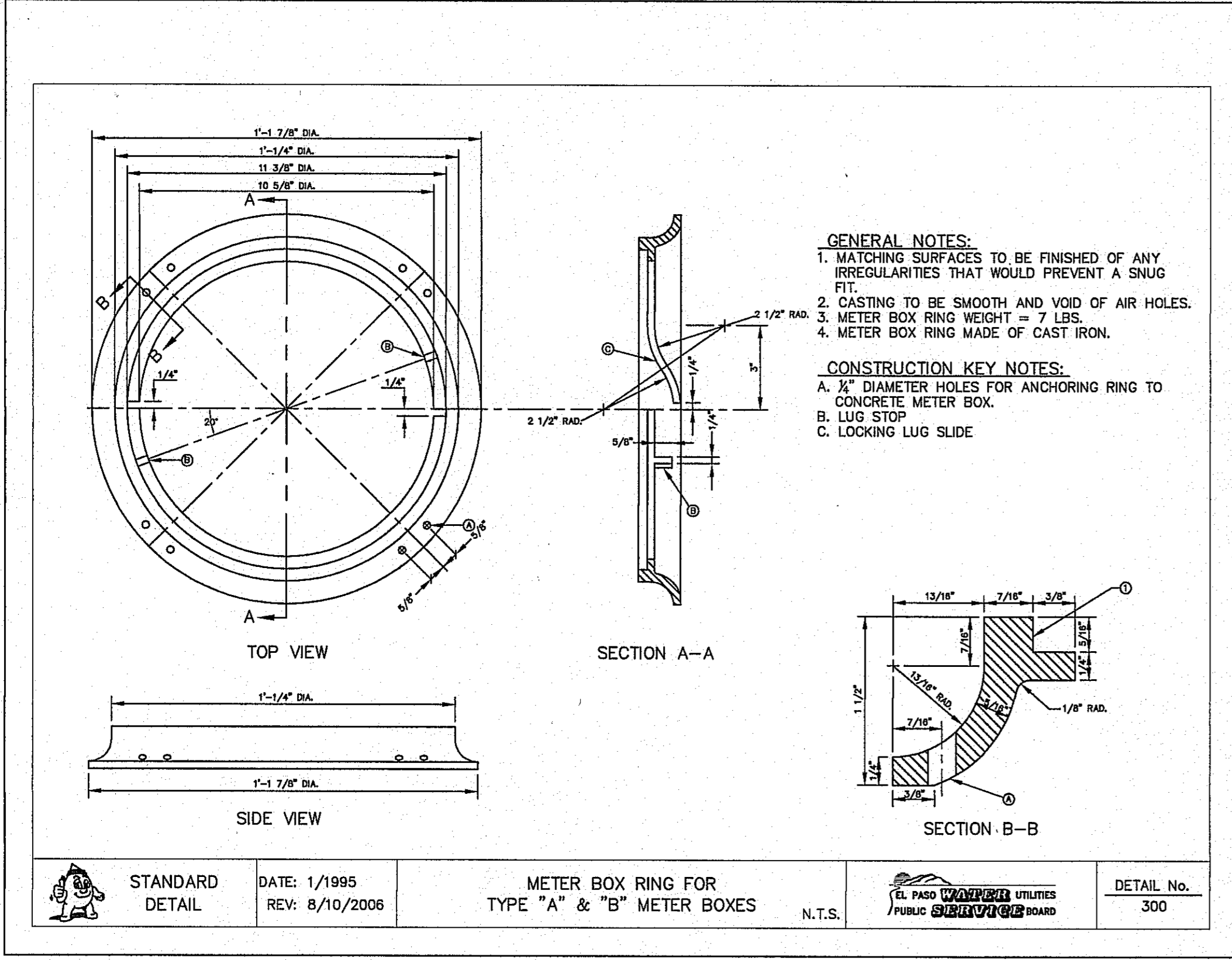




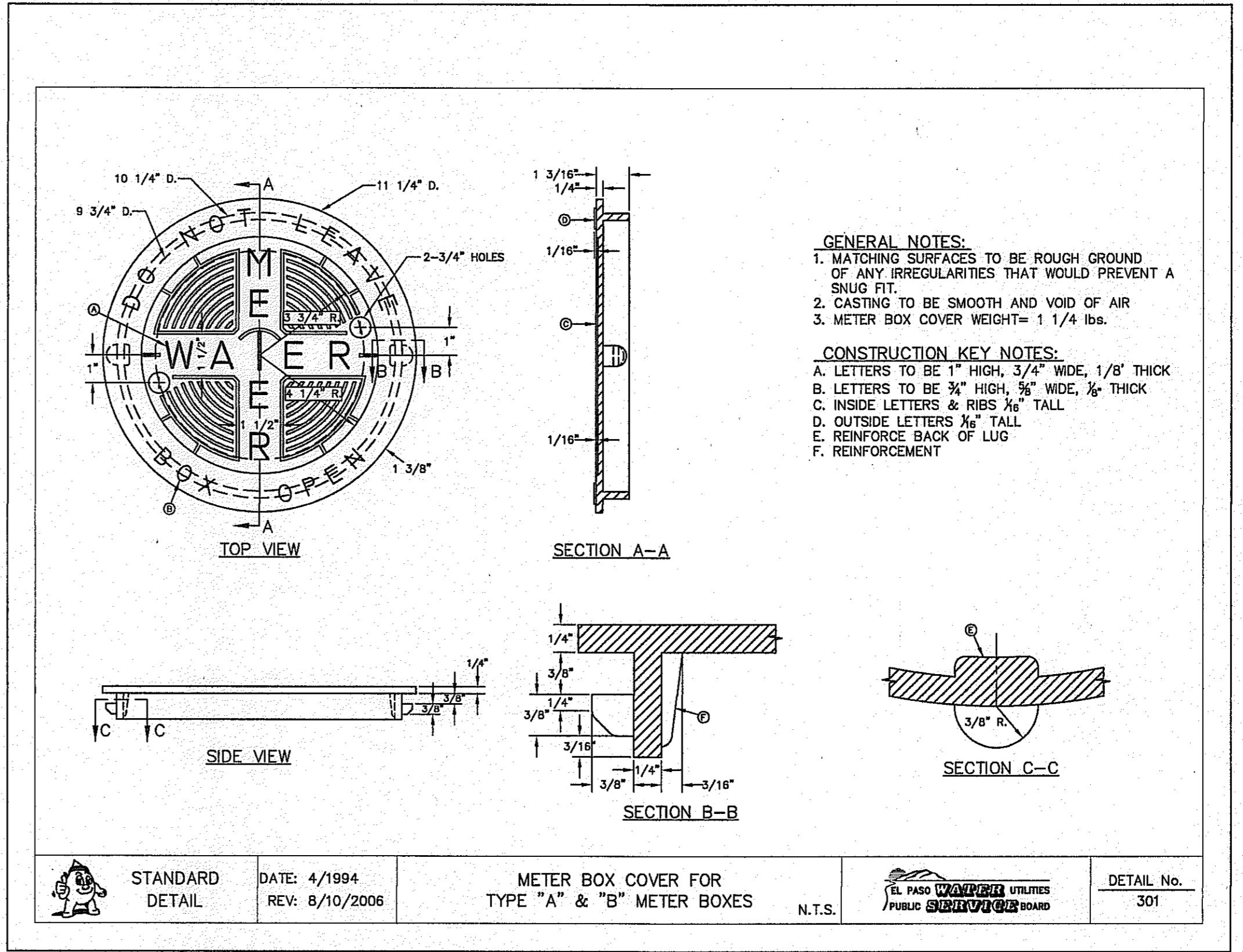
1 TYPICAL SERVICE LINE INSTALLATION  
C7.2 N.T.S.



2 METER BOX DETAIL  
C7.2 N.T.S.



3 METER BOX RING DETAIL  
C7.2 N.T.S.



4 METER BOX COVER DETAIL  
C7.2 N.T.S.

REFERENCES - BENCHMARKS

EXISTING CITY MONUMENT ELEVATION 4003.10 FEET (CITY DATUM)	DATE	BY
LOCATED AT THE CENTERLINE INTERSECTION OF PASO ALGRE CIRCLE AND PASO LINDO DRIVE.		
	REVISIONS	

CSEA  
engineers • architects • planners  
TEXAS REGISTERED ENGINEERING FIRM F-464  
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ENGINEER'S SEAL

JORGE L. ACARAPE  
88075  
L. Acarape  
Professional Engineer  
No. 88075

SCALE: 1" = 4'-0"

Vertical:	1" = 4'-0"
Horizontal:	1" = 4'-0"
Contour Interval:	N/A
DATE:	OCTOBER 2013
DESIGN BY:	R.O.
DRAWN BY:	R.O.
CHKD. BY:	J.L.A.
APPRD. BY:	J.L.A.
JOB No.:	2000-13981D

PROJECT TITLE

MESQUITE TRAILS UNIT SEVEN  
AMENDING PLAT  
SUBDIVISION IMPROVEMENTS

SHEET TITLE

WATER DETAILS  
(SHEET 1 OF 4)

SHEET NO.

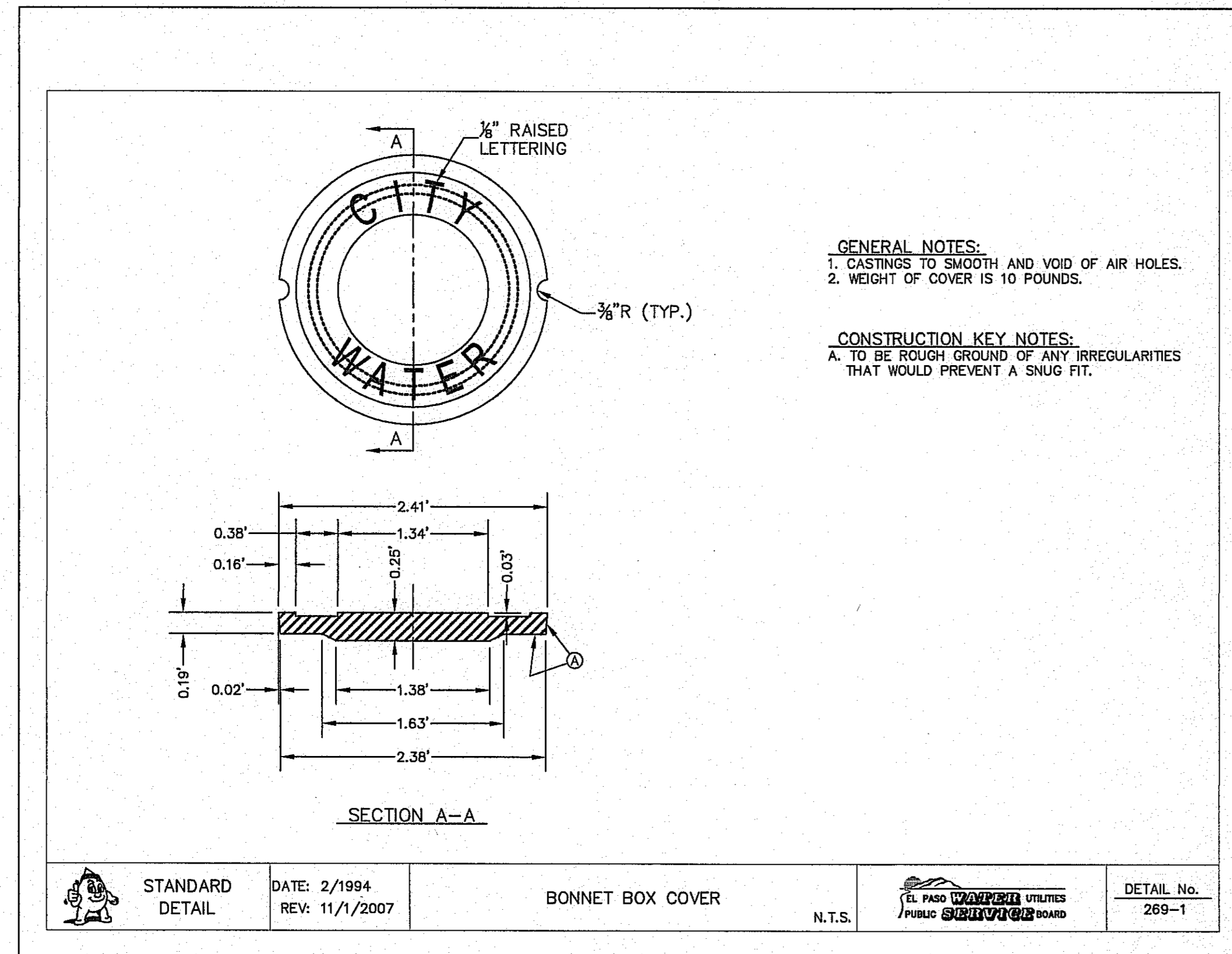
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CITY DEVELOPMENT DEPARTMENT

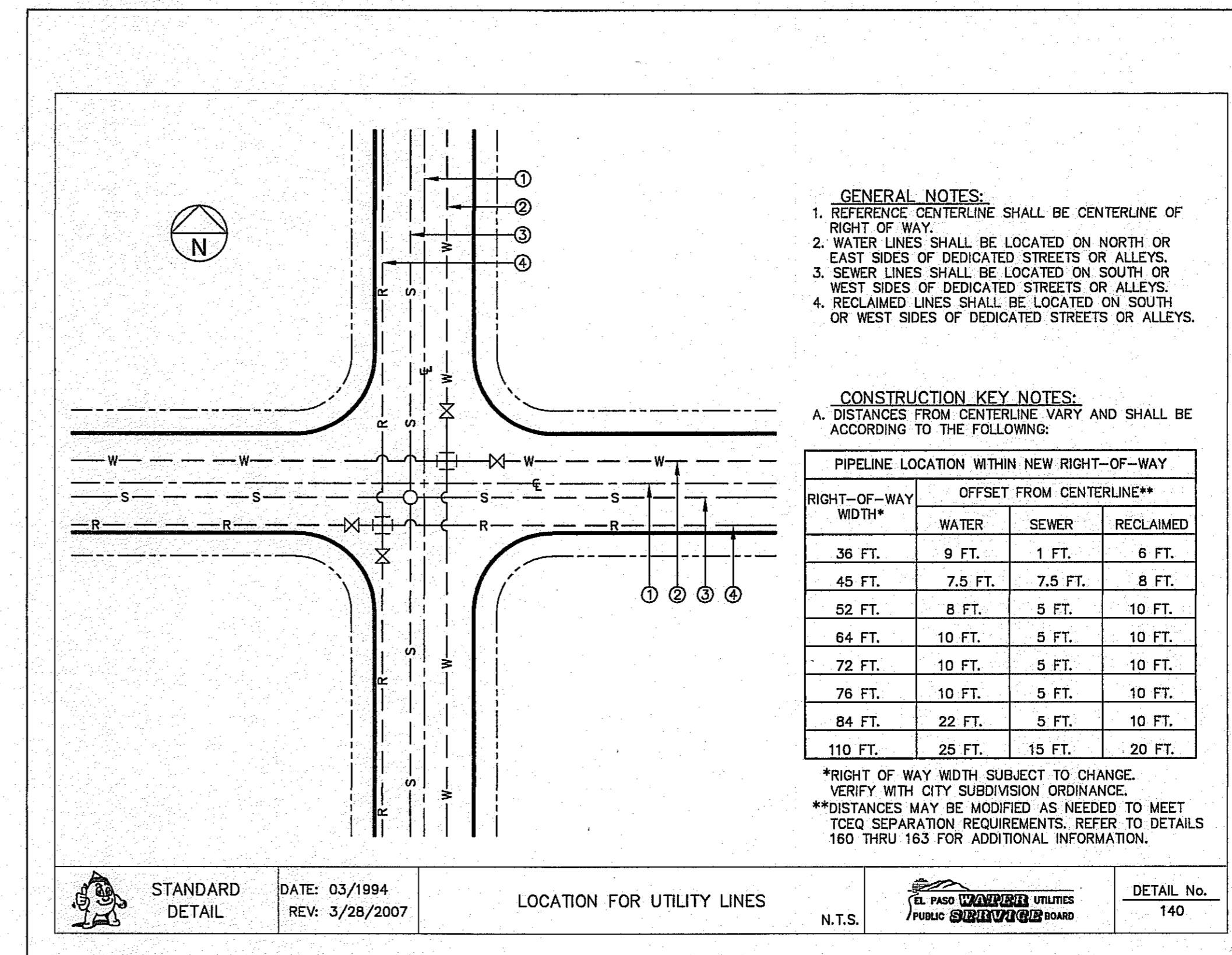
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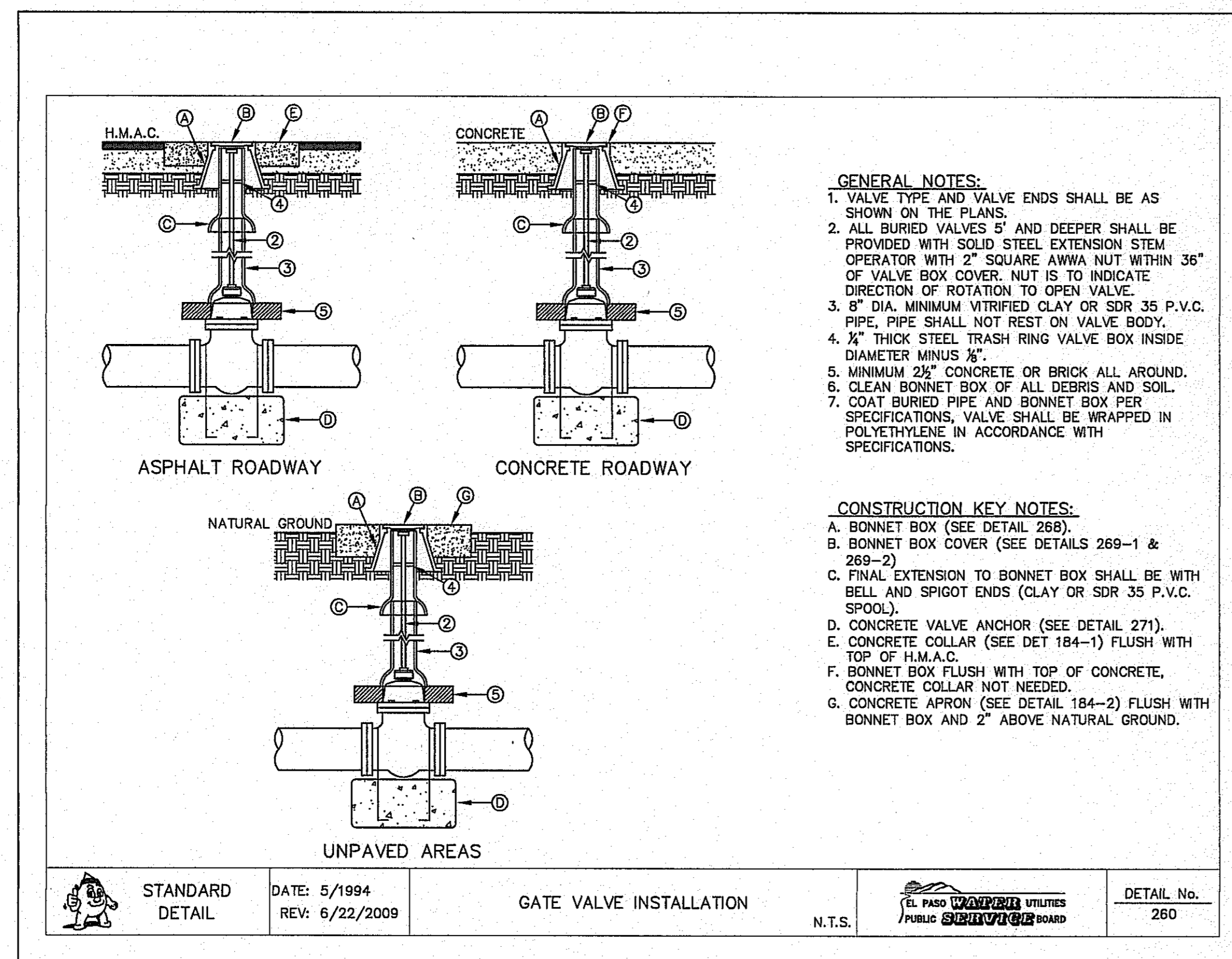




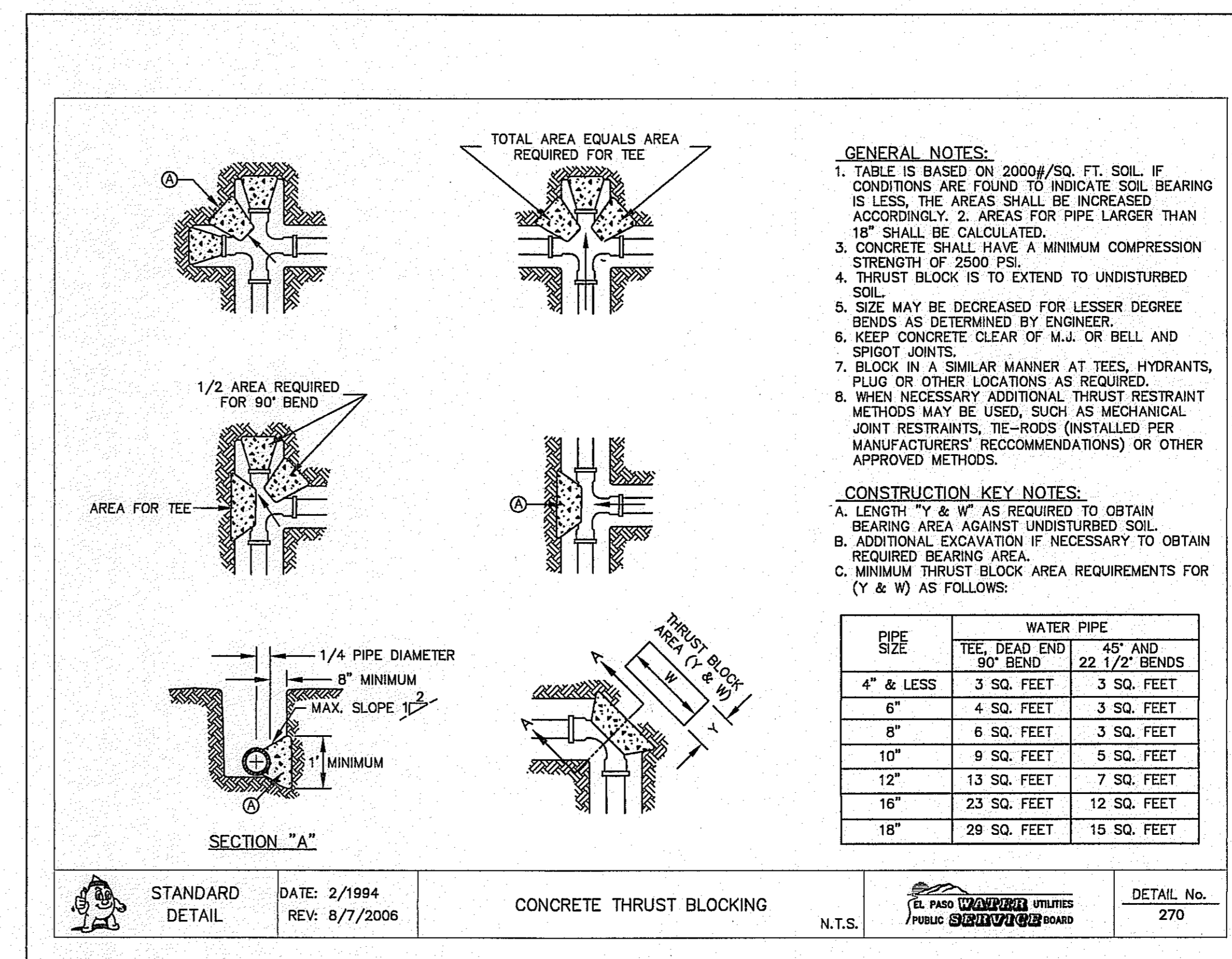
1 BONNET BOX COVER & EXTENSION  
 C7.3 N.T.S.



2 STANDARD LOCATION FOR EXTENSIONS DETAIL  
 C7.3 N.T.S.



3 GATE VALVE INSTALLATION  
 C7.3 N.T.S.



4 THRUST BLOCKING  
 C7.3 N.T.S.

REFERENCES - BENCHMARKS  
 EXISTING CITY MONUMENT ELEVATION 4003.10 FEET (CITY DATUM)  
 LOCATED AT THE CENTERLINE INTERSECTION OF PASO ALGRE, CIRCLE AND PASO LINDO DRIVE.

ENGINEER'S SEAL  
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 Phone: 915.834.4422 Fax: 915.834.4428 www.osespa.com

SCALE: Horizontal: N/A Vertical: N/A Contour Interval: N/A  
 DATE: OCTOBER 2013  
 DESIGN BY: R.O.  
 DRAWN BY: J.G.  
 APP'D. BY: J.L.A.  
 JOB No. ...2000-138LD

PROJECT TITLE  
 MESQUITE TRAILS UNIT SEVEN  
 AMENDING PLAT  
 SUBDIVISION IMPROVEMENTS

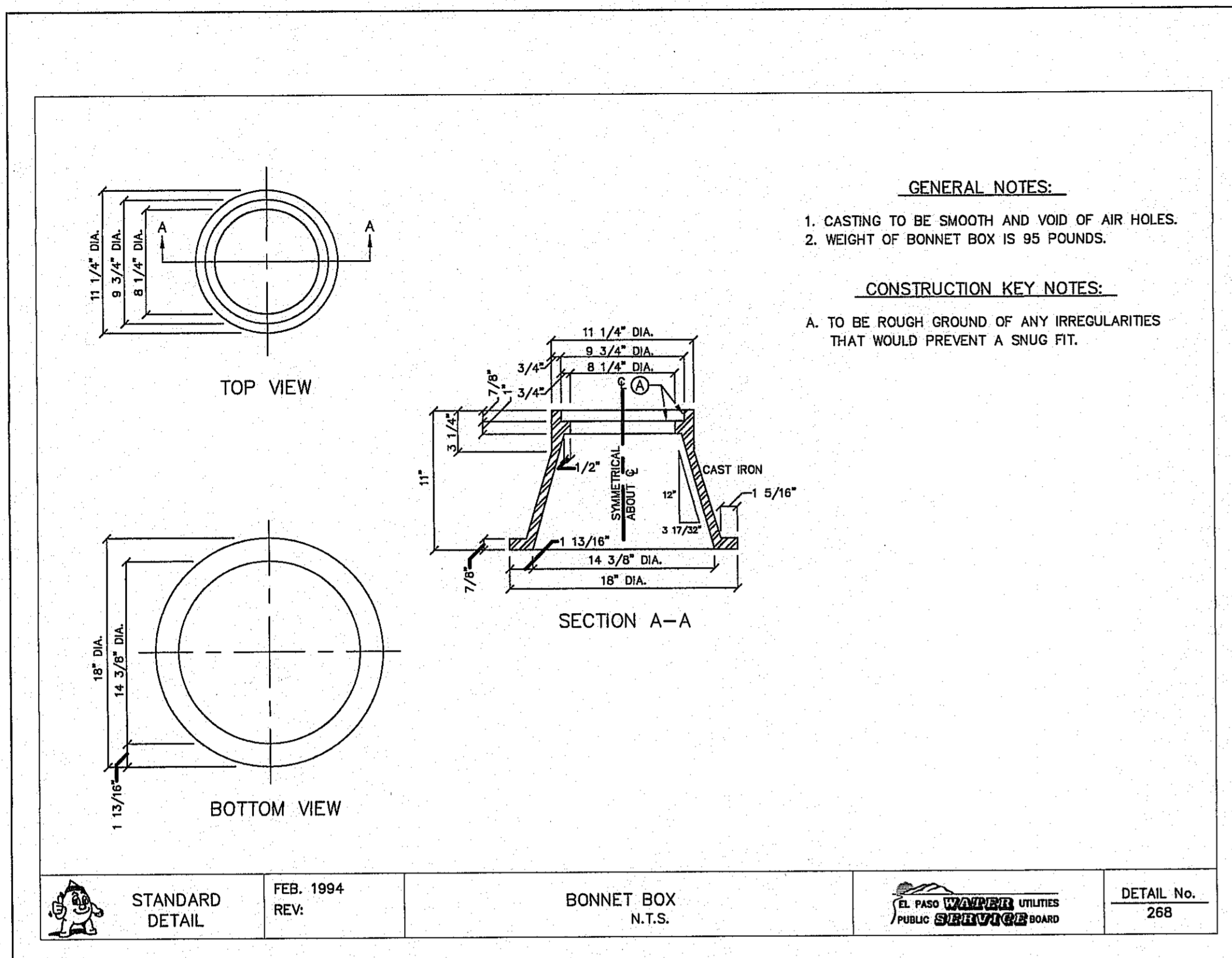
SHEET TITLE  
 WATER DETAILS (SHEET 2 OF 4)

SHEET No.  
 C7.3

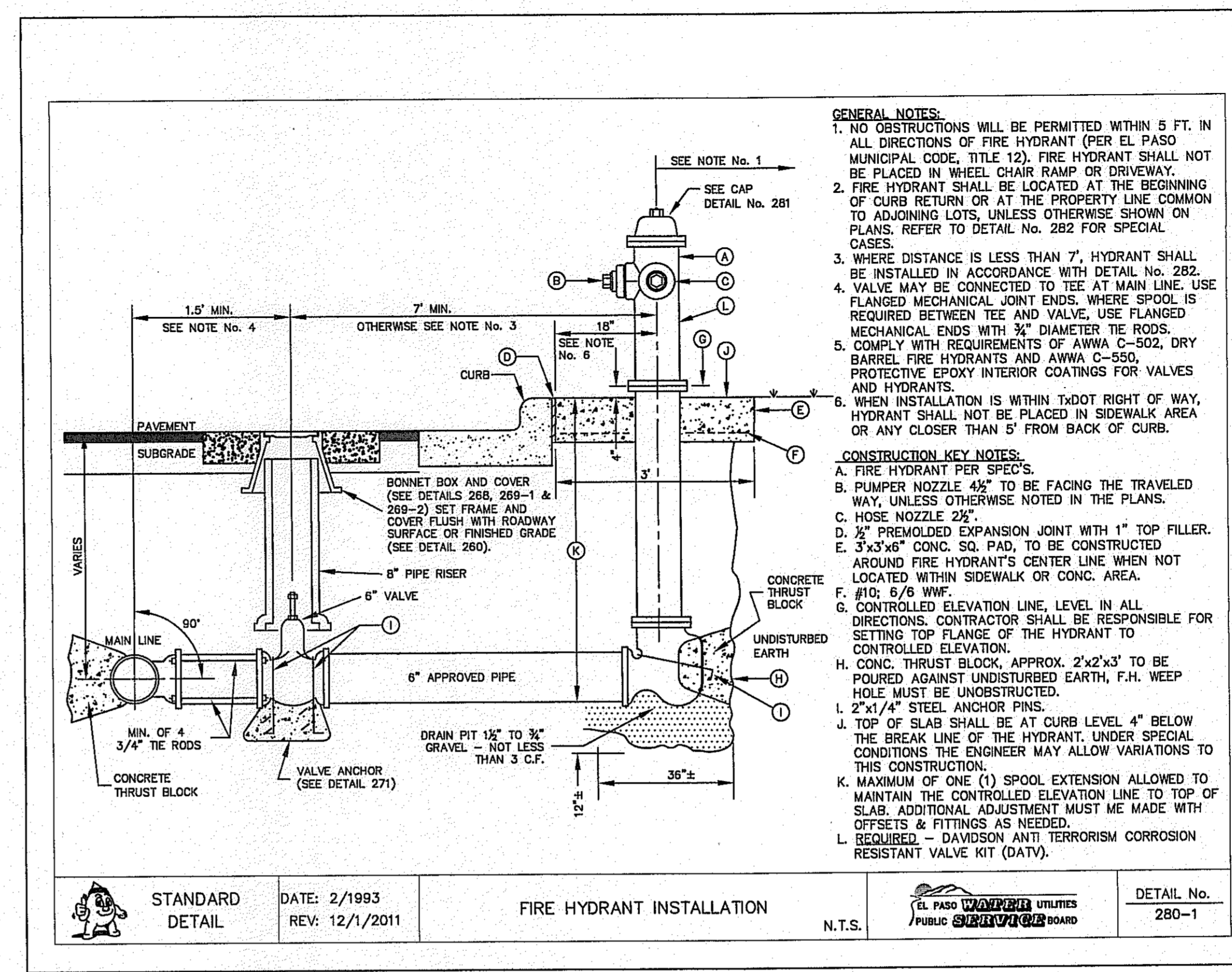
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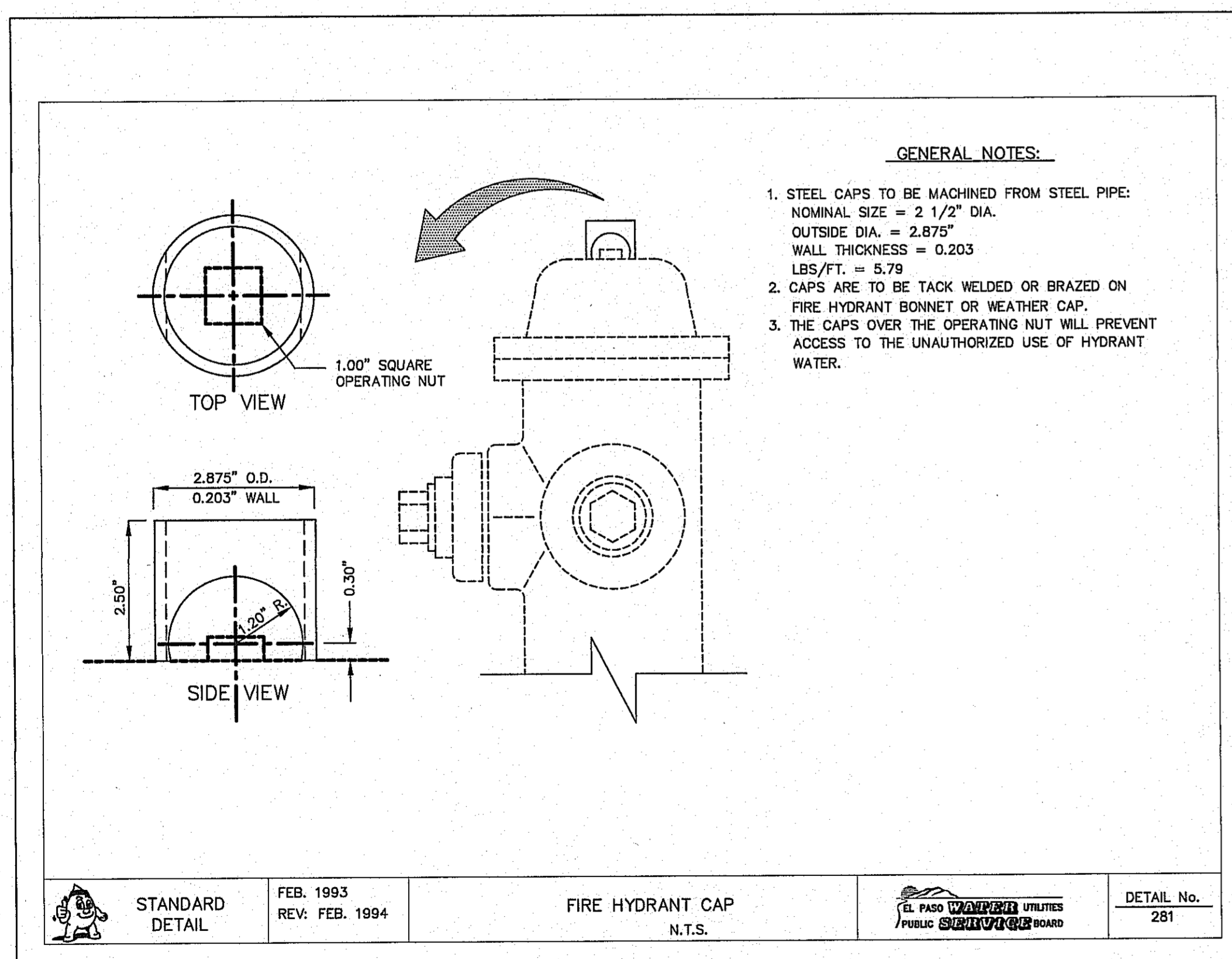




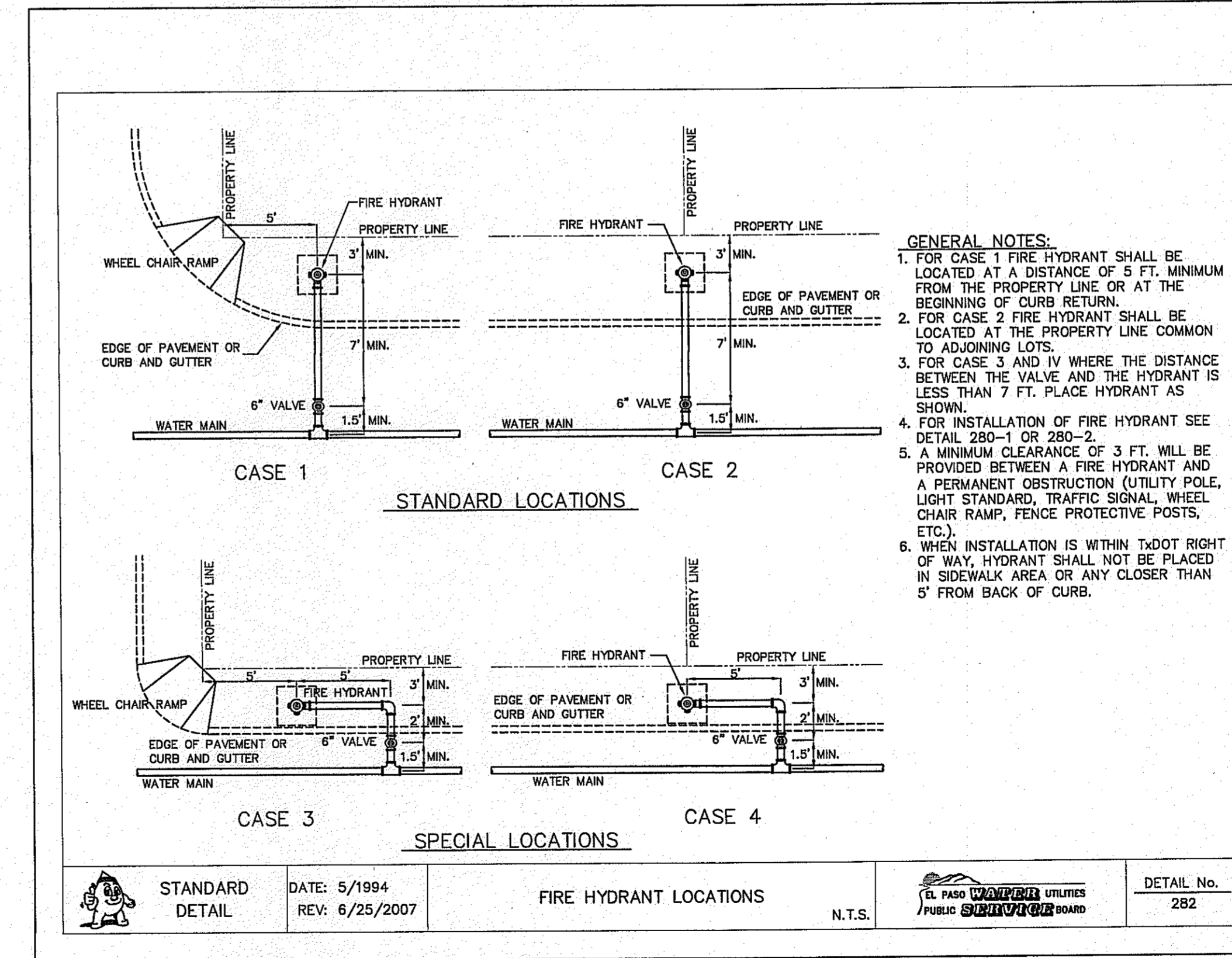
1 BONNET BOX N.T.S. C7.4



2 STANDARD FIRE HYDRANT INSTALLATION N.T.S. C7.4



3 FIRE HYDRANT CAP N.T.S. C7.4



4 FIRE HYDRANT LOCATIONS N.T.S. C7.4

REFERENCES - BENCHMARKS  
 EXISTING CITY MONUMENT ELEVATION 4003.10 FEET (CITY DATUM)  
 LOCATED AT THE CENTERLINE INTERSECTION OF PASSED ALBUQUE CIRCLE AND PASSED UNDO DRIVE.

DATE    REVISIONS    BY

**CS&A**  
 engineers • architects • planners  
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ENGINEER'S SEAL  
  
 SCALE  
 Horizontal: N/A  
 Vertical: N/A  
 Contour Interval: N/A  
 DATE: OCTOBER 2013  
 DESIGN BY: R.O.  
 DRAWN BY: J.S.  
 CHKD. BY: J.L.A.  
 APP'D. NO. 2000-138LD

PROJECT TITLE  
**MESQUITE TRAILS UNIT SEVEN  
 AMENDING PLAT  
 SUBDIVISION IMPROVEMENTS**

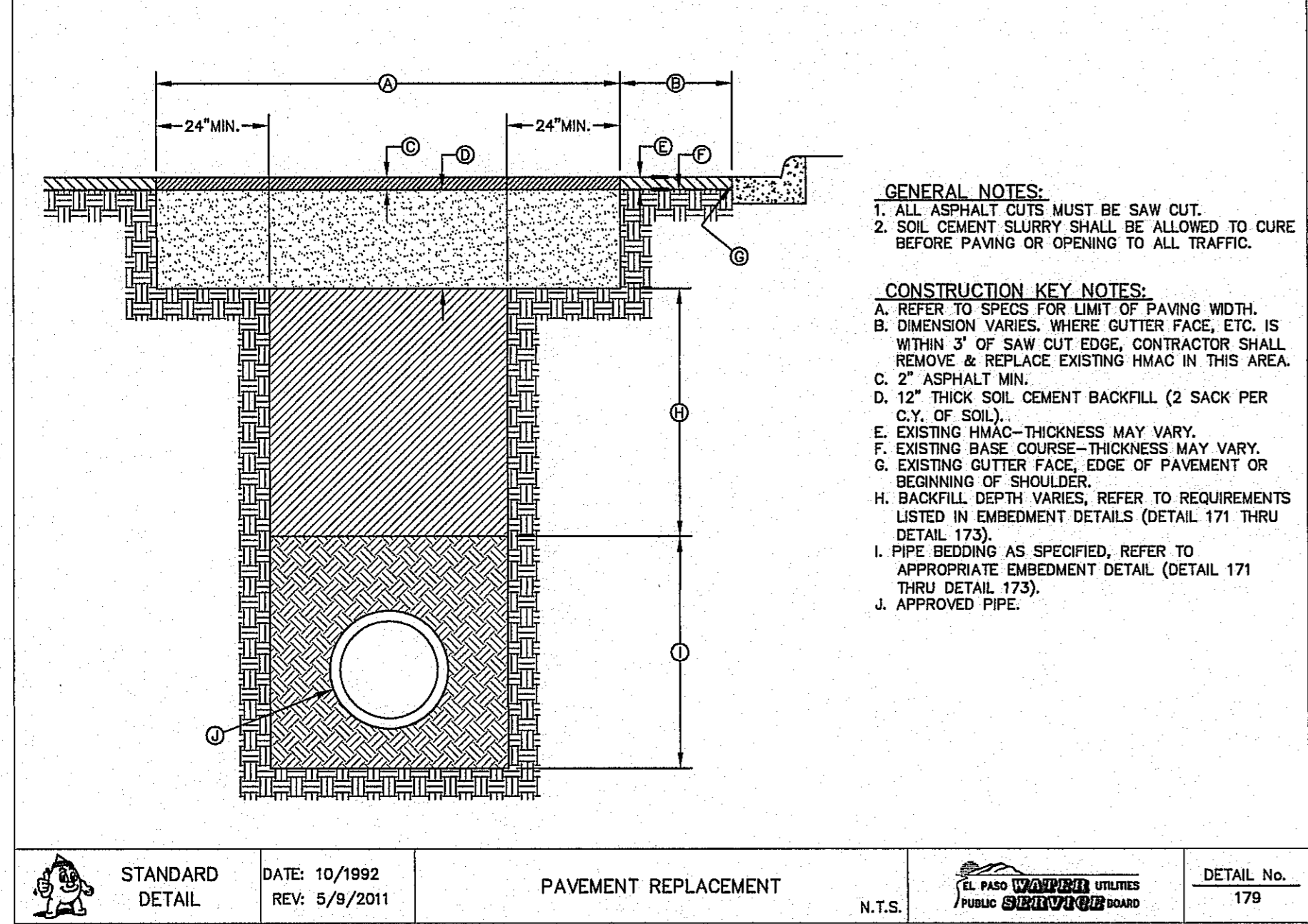
SHEET TITLE  
**WATER DETAILS  
 (SHEET 3 OF 4)**

SHEET NO.  
**C7.4**

CITY DEVELOPMENT DEPARTMENT  
**REVIEWED**

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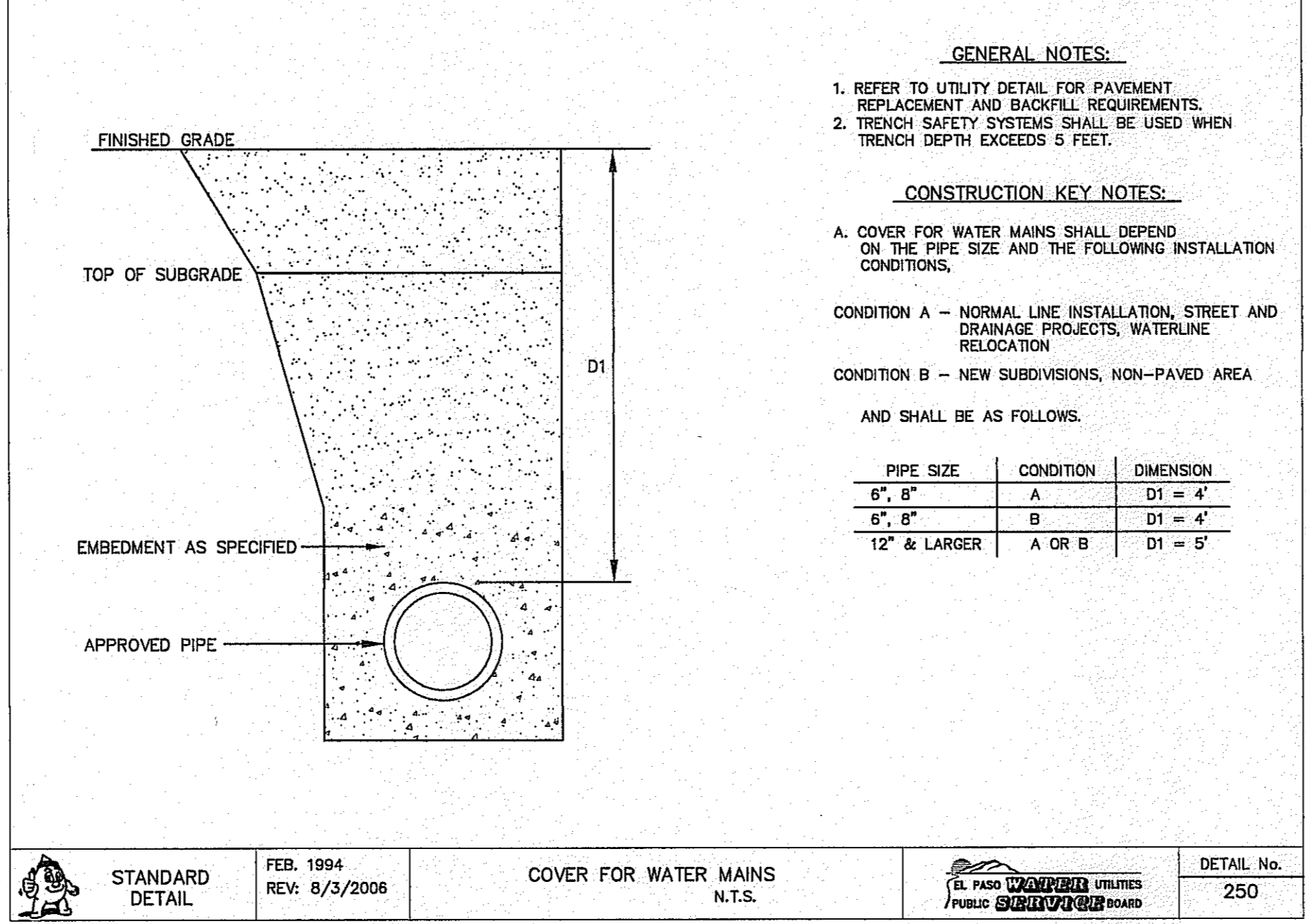


**GENERAL NOTES:**  
 1. ALL ASPHALT CUTS MUST BE SAW CUT.  
 2. SOIL CEMENT SLURRY SHALL BE ALLOWED TO CURE BEFORE PAVING OR OPENING TO ALL TRAFFIC.

**CONSTRUCTION KEY NOTES:**  
 A. REFER TO SPECS FOR LIMIT OF PAVING WIDTH.  
 B. DIMENSION VARIES. WHERE OUTER FACE, ETC. IS WITHIN 3' OF SAW CUT EDGE, CONTRACTOR SHALL REMOVE & REPLACE EXISTING HMA/C IN THIS AREA.  
 C. 2" ASPHALT MIN.  
 D. 12" THICK SOIL CEMENT BACKFILL (2 SACK PER C.Y. OF SOIL).  
 E. EXISTING HMA/C THICKNESS MAY VARY.  
 F. EXISTING BASE COURSE THICKNESS MAY VARY.  
 G. EXISTING OUTER FACE, EDGE OF PAVEMENT OR BEGINNING OF SHOULDER.  
 H. BACKFILL DEPTH VARIES. REFER TO REQUIREMENTS LISTED IN EMBEDMENT DETAILS (DETAIL 171 THRU DETAIL 173).  
 I. PIPE BEDDING AS SPECIFIED. REFER TO APPROPRIATE EMBEDMENT DETAIL (DETAIL 171 THRU DETAIL 173).  
 J. APPROVED PIPE.

STANDARD DETAIL	DATE: 10/1992 REV: 5/9/2011	PAVEMENT REPLACEMENT	N.T.S.	DETAIL No. 179
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1 PAVEMENT REPAIR DETAIL  
C7.5 N.T.S.



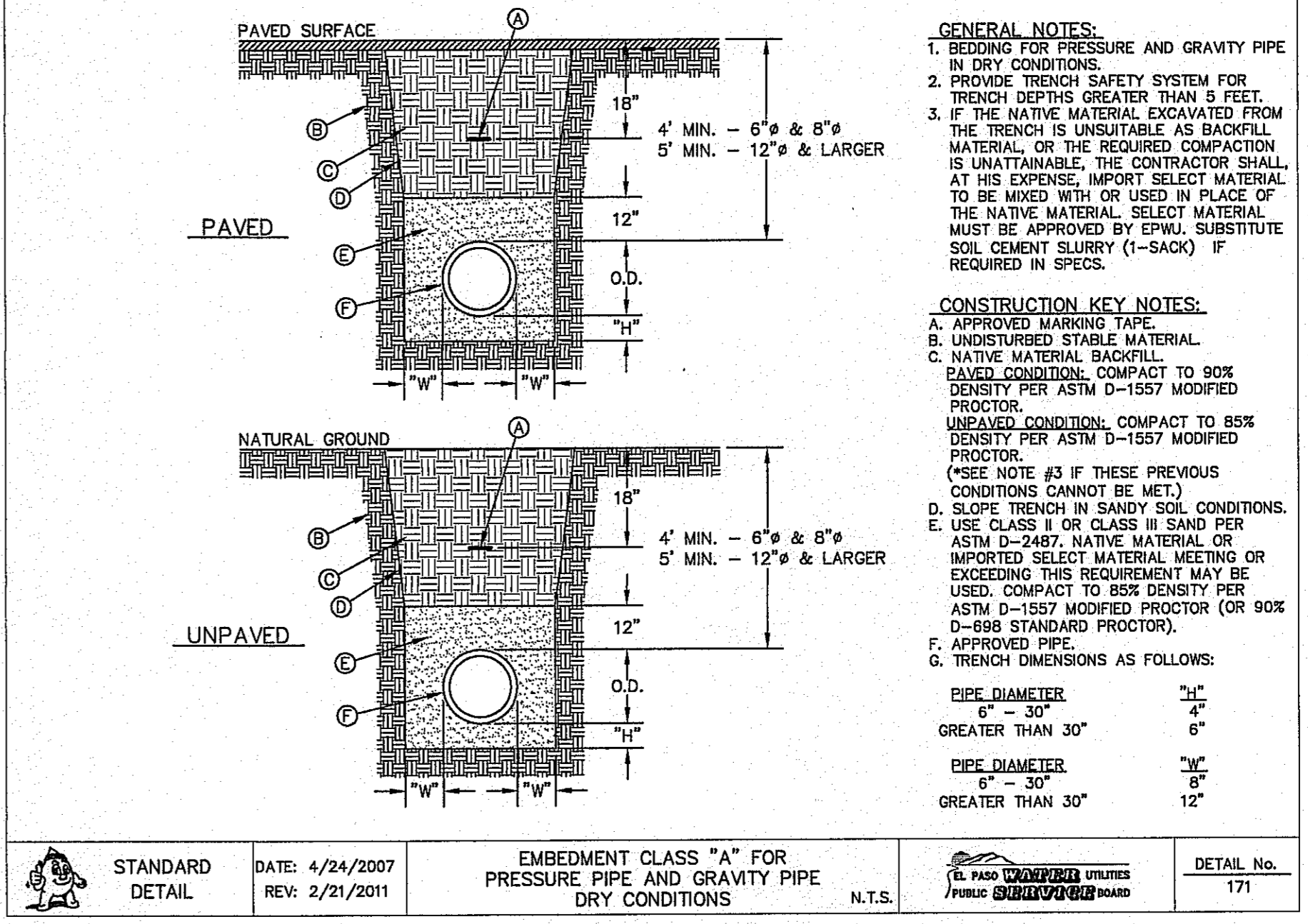
**GENERAL NOTES:**  
 1. REFER TO UTILITY DETAIL FOR PAVEMENT REPLACEMENT AND BACKFILL REQUIREMENTS.  
 2. TRENCH SAFETY SYSTEMS SHALL BE USED WHEN TRENCH DEPTH EXCEEDS 5 FEET.

**CONSTRUCTION KEY NOTES:**  
 A. COVER FOR WATER MAINS SHALL DEPEND ON THE PIPE SIZE AND THE FOLLOWING INSTALLATION CONDITIONS.  
 CONDITION A - NORMAL LINE INSTALLATION, STREET AND DRAINAGE PROJECTS, WATERLINE RELOCATION  
 CONDITION B - NEW SUBDIVISIONS, NON-PAVED AREA  
 AND SHALL BE AS FOLLOWS.

PIPE SIZE	CONDITION	DIMENSION
6", 8"	A	D1 = 4'
6", 8"	B	D1 = 4'
12" & LARGER	A OR B	D1 = 5'

STANDARD DETAIL	FEB. 1994 REV: 8/3/2006	COVER FOR WATER MAINS	N.T.S.	DETAIL No. 250
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2 STANDARD COVER FOR WATER MAINS  
C7.5 N.T.S.



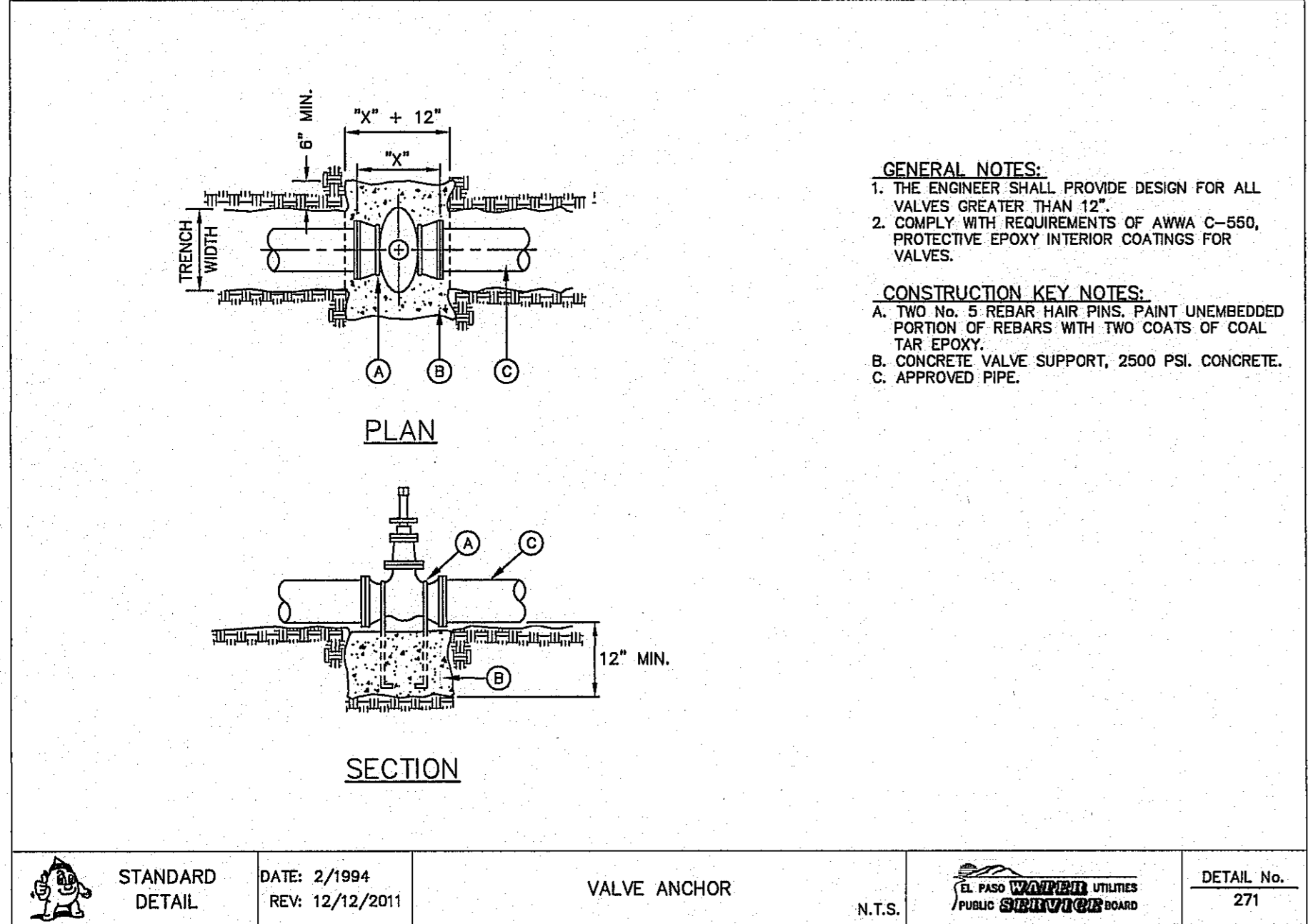
**GENERAL NOTES:**  
 1. BEDDING FOR PRESSURE AND GRAVITY PIPE IN DRY CONDITIONS.  
 2. PROVIDE TRENCH SAFETY SYSTEM FOR TRENCH DEPTHS GREATER THAN 5 FEET.  
 3. IF THE NATIVE MATERIAL EXCAVATED FROM THE TRENCH IS UNSUITABLE AS BACKFILL MATERIAL, OR THE REQUIRED COMPACTION IS UNATTAINABLE, THE CONTRACTOR SHALL AT HIS EXPENSE, IMPORT SELECT MATERIAL TO BE MIXED WITH OR USED IN PLACE OF THE NATIVE MATERIAL. SELECT MATERIAL MUST BE APPROVED BY EPWJ. SUBSTITUTE SOIL CEMENT SLURRY (1-SACK) IF REQUIRED IN SPECS.

**CONSTRUCTION KEY NOTES:**  
 A. APPROVED MARKING TAPE.  
 B. UNDISTURBED STABLE MATERIAL.  
 C. NATIVE MATERIAL BACKFILL. PAVED CONDITION, COMPACT TO 80% DENSITY PER ASTM D-1557 MODIFIED PROCTOR. UNPAVED CONDITION, COMPACT TO 85% DENSITY PER ASTM D-1557 MODIFIED PROCTOR. (SEE NOTE #3 IF THESE PREVIOUS CONDITIONS CANNOT BE MET.)  
 D. SLOPE TRENCH IN SANDY SOIL CONDITIONS.  
 E. USE CLASS II OR CLASS III SAND PER ASTM D-2487. NATIVE MATERIAL OR IMPORTED SELECT MATERIAL MEETING OR EXCEEDING THIS REQUIREMENT MAY BE USED. COMPACT TO 85% DENSITY PER ASTM D-1557 MODIFIED PROCTOR (OR 90% D-999 STANDARD PROCTOR).  
 F. APPROVED PIPE.  
 G. TRENCH DIMENSIONS AS FOLLOWS:

PIPE DIAMETER	H <sub>1</sub>	H <sub>2</sub>
6" - 30"	4"	6"
GREATER THAN 30"	6"	8"
PIPE DIAMETER	H <sub>1</sub>	H <sub>2</sub>
6" - 30"	6"	8"
GREATER THAN 30"	8"	12"

STANDARD DETAIL	DATE: 4/24/2007 REV: 2/21/2011	EMBEDMENT CLASS "A" FOR PRESSURE PIPE AND GRAVITY PIPE DRY CONDITIONS	N.T.S.	DETAIL No. 171
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3 BEDDING CLASS DETAILS FOR P.V.C. PRESSURE PIPE  
C7.5 SCALE: N.T.S.

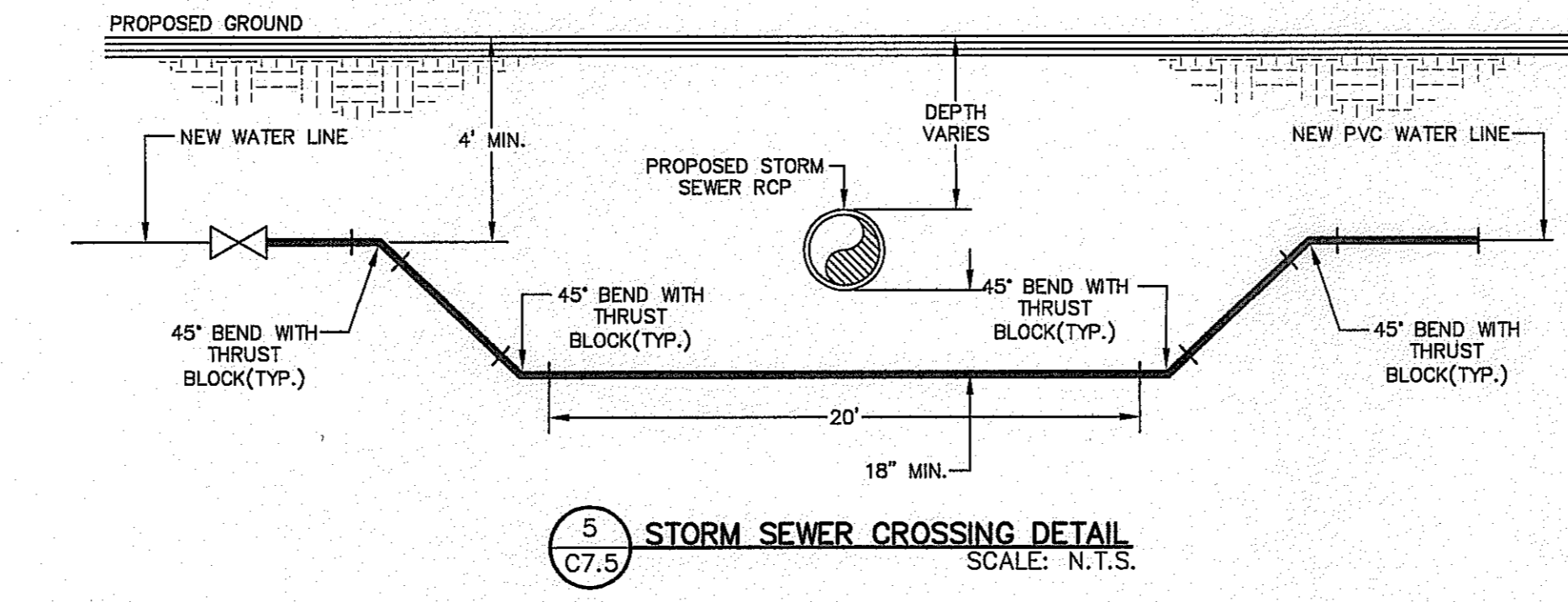


**GENERAL NOTES:**  
 1. THE ENGINEER SHALL PROVIDE DESIGN FOR ALL VALVES GREATER THAN 12".  
 2. COMPLY WITH REQUIREMENTS OF AWWA C-550, PROTECTIVE EPOXY INTERIOR COATINGS FOR VALVES.

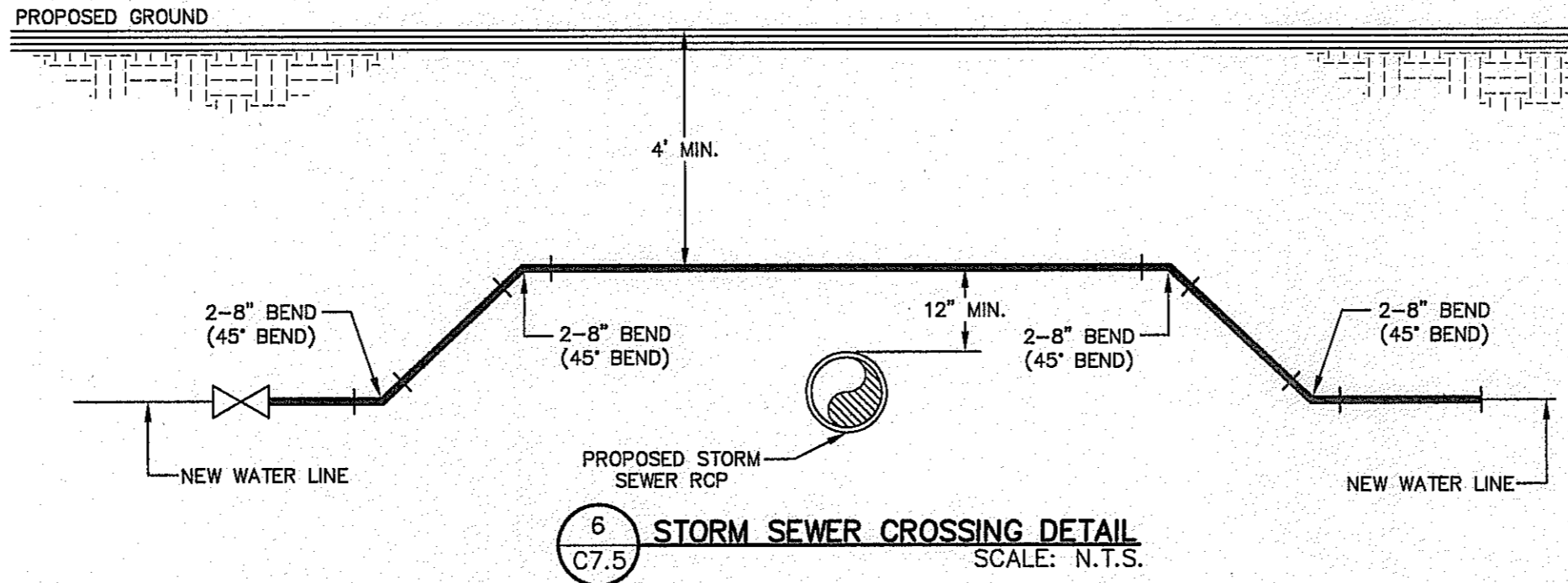
**CONSTRUCTION KEY NOTES:**  
 A. TWO NO. 5 REBAR HAIR PINS. PAINT UNEMBEDDED PORTION OF REBARS WITH TWO COATS OF COAL TAR EPOXY.  
 B. CONCRETE VALVE SUPPORT, 2500 PSI. CONCRETE.  
 C. APPROVED PIPE.

STANDARD DETAIL	DATE: 2/1994 REV: 12/12/2011	VALVE ANCHOR	N.T.S.	DETAIL No. 271
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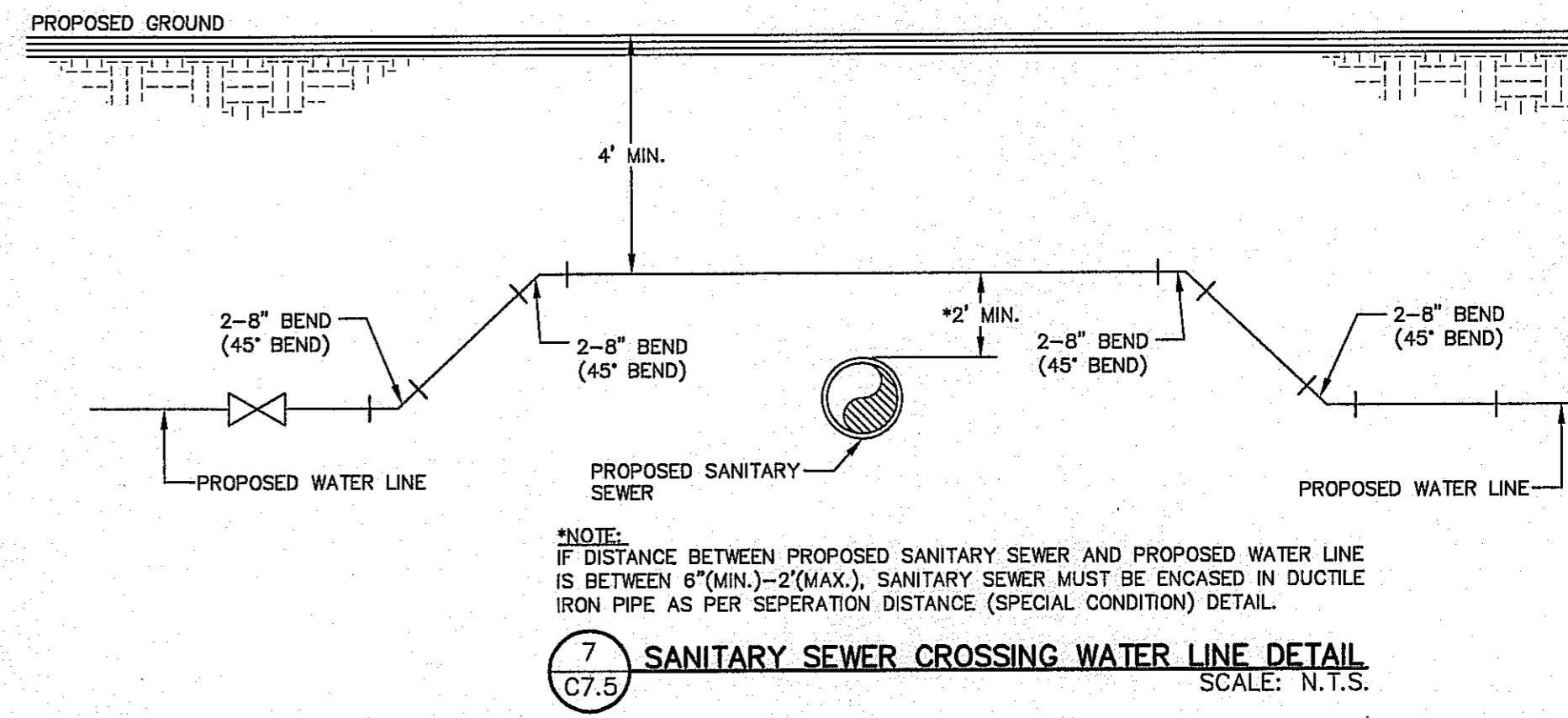
4 VALVE ANCHOR  
C7.5 N.T.S.



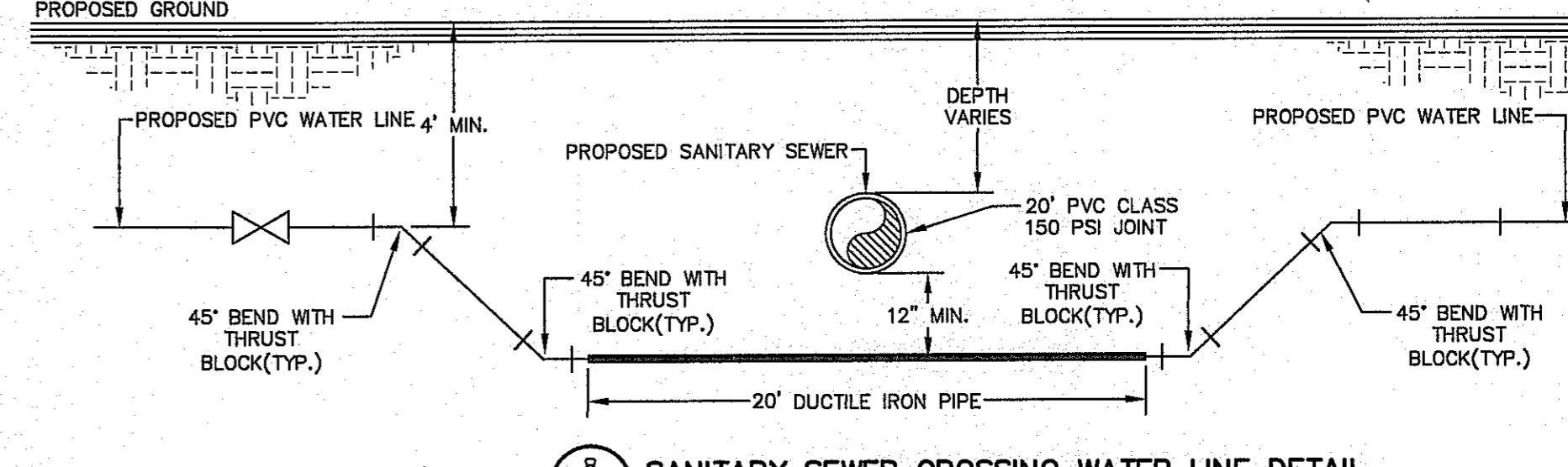
5 STORM SEWER CROSSING DETAIL  
C7.5 SCALE: N.T.S.



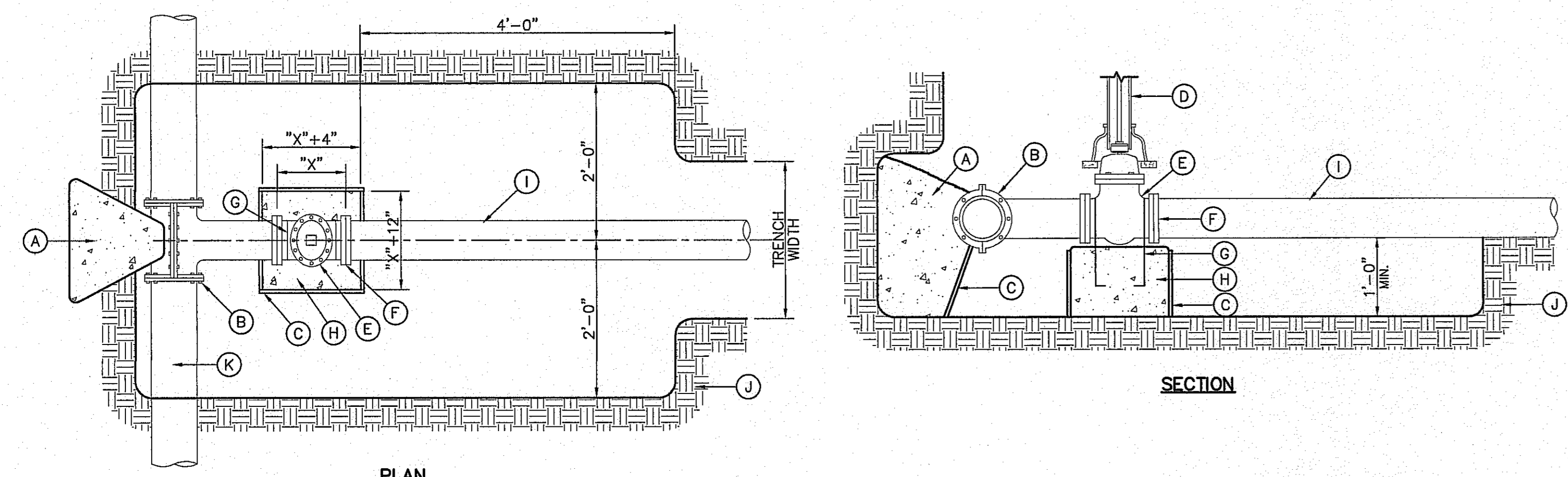
6 STORM SEWER CROSSING DETAIL  
C7.5 SCALE: N.T.S.



7 SANITARY SEWER CROSSING WATER LINE DETAIL  
C7.5 SCALE: N.T.S.



8 SANITARY SEWER CROSSING WATER LINE DETAIL  
C7.5 SCALE: N.T.S.



**KEYED NOTES:**  
 A. CONCRETE THRUST BLOCKING, AS PER DETAIL 6 THIS SHEET.  
 B. TAPPING SLEEVE  
 C. FORMS  
 D. PVC PIPE, PER LVWD STANDARD DETAIL.  
 E. TAPPING VALVE  
 F. VALVE ENDS FOR TYPE OF PIPE INSTALLED  
 G. 2-#5 REBAR HAIRPINS, PAINT UNEMBEDDED PORTION OF BARS WITH 2-COATS OF COAL TAR EPOXY, THEN COVER WITH 2" MINIMUM OF CEMENT MORTAR.  
 H. CONCRETE VALVE SUPPORT.  
 I. NEW WATER LINE TO BE CONSTRUCTED.  
 J. UNDISTURBED EARTH  
 K. EXISTING WATER MAIN TO BE TAPPED

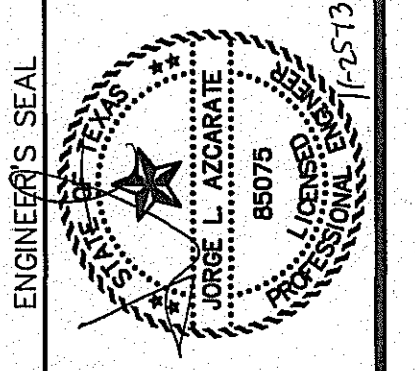
**NOTES:**  
 1. TRUST BLOCKING SHALL EXTEND TO UNDISTURBED EARTH.  
 2. TAPPING SLEEVE SHALL BE 18" MINIMUM FROM ANY BELL, COUPLING, VALVE OR FITTING.  
 3. REPLACE EXCAVATED MATERIAL WITH CEMENT STABILIZED BACKFILL PRIOR TO PAVING.  
 4. JOINTS AND BOLTS SHALL BE CLEAR OF CONCRETE.  
 5. INSTALL PERMANENT THRUST BLOCKING UNDER VALVE BEFORE TAP IS MADE. JOINTS AND BOLTS TO BE CLEAR OF CONCRETE.

9 TYPICAL TAPPING SLEEVE AND VALVE DETAIL  
C7.5 SCALE: N.T.S.

REFERENCES - BENCHMARKS  
 EXISTING CITY MONUMENT  
 ELEVATION 4003.10 FEET (CITY DATUM)  
 LOCATED AT THE CENTERLINE INTERSECTION OF  
 PASCO ALGORE CIRCLE AND PASCO UNDO DRIVE.

DATE: \_\_\_\_\_  
 REVISIONS: \_\_\_\_\_  
 BY: \_\_\_\_\_

**CS&A**  
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 Office: 915.544.5232 Fax: 915.544.5233 www.csandapl.com



SCALE:	N/A
Horizontal:	N/A
Vertical:	N/A
Contour Interval:	N/A
DATE:	OCTOBER 2013
DESIGN BY:	R.C.
DRAWN BY:	R.C.
CHKD. BY:	J.L.A.
APPRD. BY:	J.L.A.
JOB No.	2000-1381D

PROJECT TITLE  
**MESQUITE TRAILS UNIT SEVEN  
 AMENDING PLAT  
 SUBDIVISION IMPROVEMENTS**

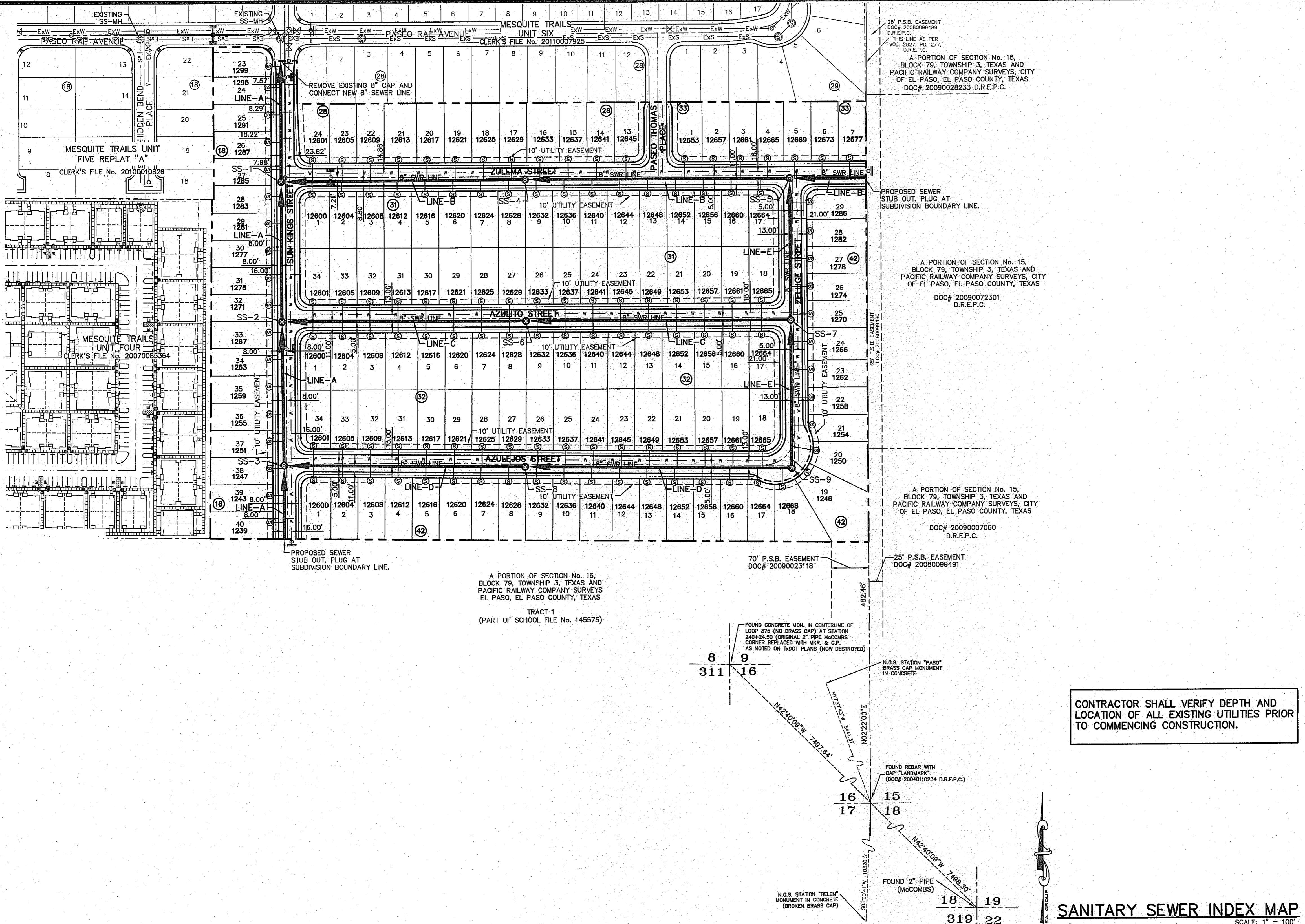
SHEET TITLE  
**WATER DETAILS  
 (SHEET 4 OF 4)**

SHEET NO.

**CITY DEVELOPMENT DEPARTMENT**  
**REVIEWED**

C7.5





**INDEX**

SHEET NO. C8.1

DESCRIPTION MESQUITE TRAILS UNIT SEVEN PROPOSED SANITARY PIPE LAYOUT

**NOTES:**

- ALL SANITARY SEWER PIPES SHALL BE PVC SDR35, UNLESS OTHERWISE REQUIRED BY THE EPWU/PSB RULES AND REGULATIONS AND DESIGN STANDARDS.

**LEGEND**

SYMBOL	DESCRIPTION
	PROPOSED STORM SEWER LINE
	SUBD. BOUNDARY LINE
	PROPERTY LINE
	CENTER LINE
	PROPOSED SEWER LINE (PLAN VIEW)
	PROPOSED SEWER LINE ON ANOTHER SHEET (PLAN VIEW)
	PROPOSED SEWER LINE (PROFILE VIEW)
	PROPOSED SERVICE CONNECTION (PLAN VIEW)
	PROPOSED MANHOLE (PLAN VIEW)
	EXISTING MANHOLE (PLAN VIEW)
	PROPOSED WATER LINE
	EXISTING SEWER LINE
	EXISTING 8" WATER LINE
	PROPOSED MANHOLE (PROFILE VIEW)
	EXISTING MANHOLE (PROFILE VIEW)

**REFERENCES - BENCHMARKS**

EXISTING CITY MONUMENT ELEVATION 4003.10 FEET (CITY DATUM) LOCATED AT THE CENTERLINE INTERSECTION OF PASADO ALBERE CIRCLE AND PASADO UNDO DRIVE.

DATE: \_\_\_\_\_

REVISIONS:

BY: \_\_\_\_\_

**ENGINEER'S SEAL**

SCALE: 1" = 100'

Horizontal: N/A

Vertical: N/A

Contour Interval: N/A

DATE: OCTOBER 2013

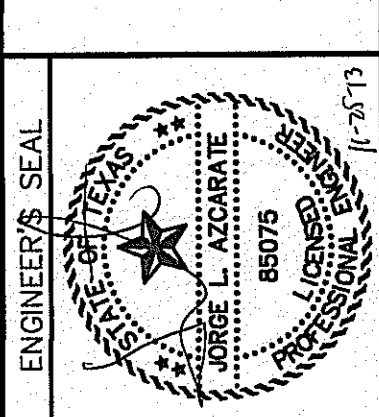
DESIGN BY: R.O.

DRAWN BY: J.G.

CHKD. BY: J.L.A.

APPRD. BY: J.L.A.

JOB No. 2000-138LD



**PROJECT TITLE**

MESQUITE TRAILS UNIT SEVEN AMENDING PLAT SUBDIVISION IMPROVEMENTS

**SHEET TITLE**

SANITARY SEWER INDEX

**SHEET NO.**

C8.1

- GENERAL NOTES**
- UNLESS OTHERWISE SHOWN ON THE DRAWINGS, THE PROPOSED SEWER MAINS AND SEWER MANHOLES SHALL BE INSTALLED NO LESS THAN 10' AWAY FROM WATER LINE. SEPARATION DISTANCES SHALL FOLLOW TCEQ STANDARD REQUIREMENTS. (290.44)
  - THE INTENT OF THE OWNER IS TO HAVE THE SANITARY SEWER PIPELINES INSTALLED TO SUCH A DEPTH THAT THEY WILL HAVE AT LEAST 60" 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 THE WORK WITH ALL UTILITY COMPANIES, EL PASO WATER UTILITIES, AND THE CITY OF EL PASO DEPARTMENT OF TRANSPORTATION 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 AREAS.
  - 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.
  - EL PASO WATER UTILITIES AND THE CITY OF EL PASO MUST BE NOTIFIED 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, SIGNS, AND ALL OTHER MISCELLANEOUS STRUCTURES DAMAGED OR REMOVED BY CONSTRUCTION ACTIVITIES SHALL BE RESTORED TO ORIGINAL OR BETTER THAN ORIGINAL CONDITION AT NO COST TO OWNER.
  - ALL WATER AND SEWER UTILITY WORK, INCLUDING TIE-INS SHALL BE CLOSELY COORDINATED WITH EL PASO WATER UTILITIES FIELD ENGINEERING AT LEAST 48 HOURS PRIOR TO COMMENCING ANY UTILITY WORK.
  - TRAFFIC CONTROL SHALL BE IN PLACE PRIOR TO INITIATING WORK.
  - CONSTRUCTION OF THE PUBLIC WATER AND SEWER SYSTEM INCLUDING MATERIALS AND TESTING, SHALL CONFORM WITH 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  
CASTNER CENTER @ TRANSMANTON  
4712 WOODROW BEAN, STE. F  
EL PASO, TX. 79924  
(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  
MR. RICK DERAGISCH

**FIBER OPTICS:**  
MCI TELECOMMUNICATIONS CORP.  
4045 DONIPHAN PARK CIRCLE  
EL PASO, TX. 79922  
(915) 542-2770 EXT. 201  
MR. DANIEL HERNANDEZ

**WATER & SEWER:**  
EL PASO WATER UTILITIES  
1154 HAWKINS BOULEVARD  
EL PASO, TX. 79961  
(915) 594-5530  
MR. FELIPE LOPEZ, JR., P.E.

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

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CITY OF EL PASO  
DEPARTMENT OF TRANSPORTATION  
7969 SAN PAULO DRIVE  
EL PASO, TX. 79907  
(915) 621-6750  
MR. TED MARQUEZ, P.E.

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

**TELEPHONE:**  
SEC  
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(915) 595-5151  
MR. TIM BROWN

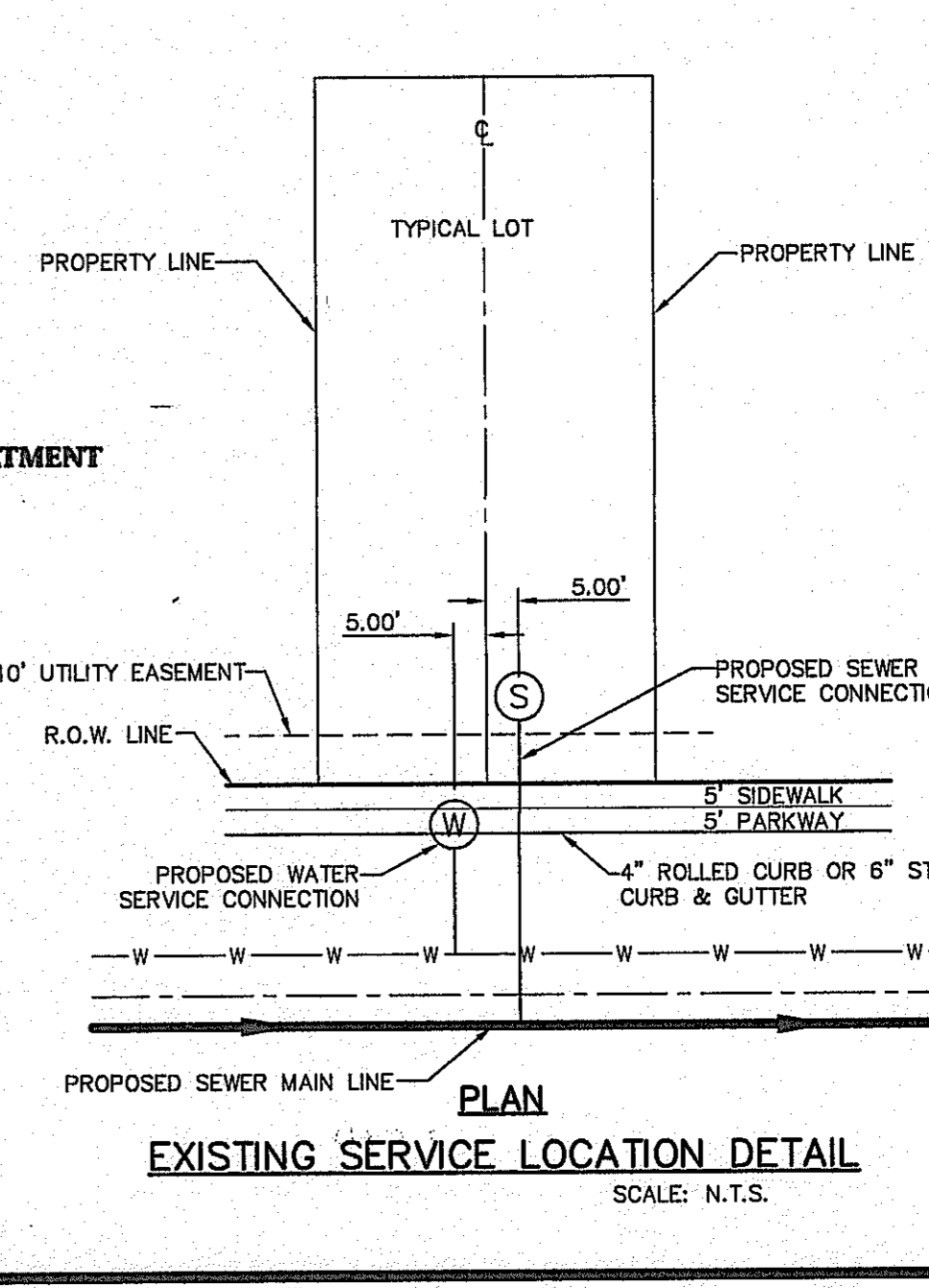
**FIBER OPTICS:**  
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P.O. BOX 1650  
501 W. SAN ANTONIO ST.  
EL PASO, TX. 79902  
(915) 543-2076  
MS. DARLENE NORIS

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

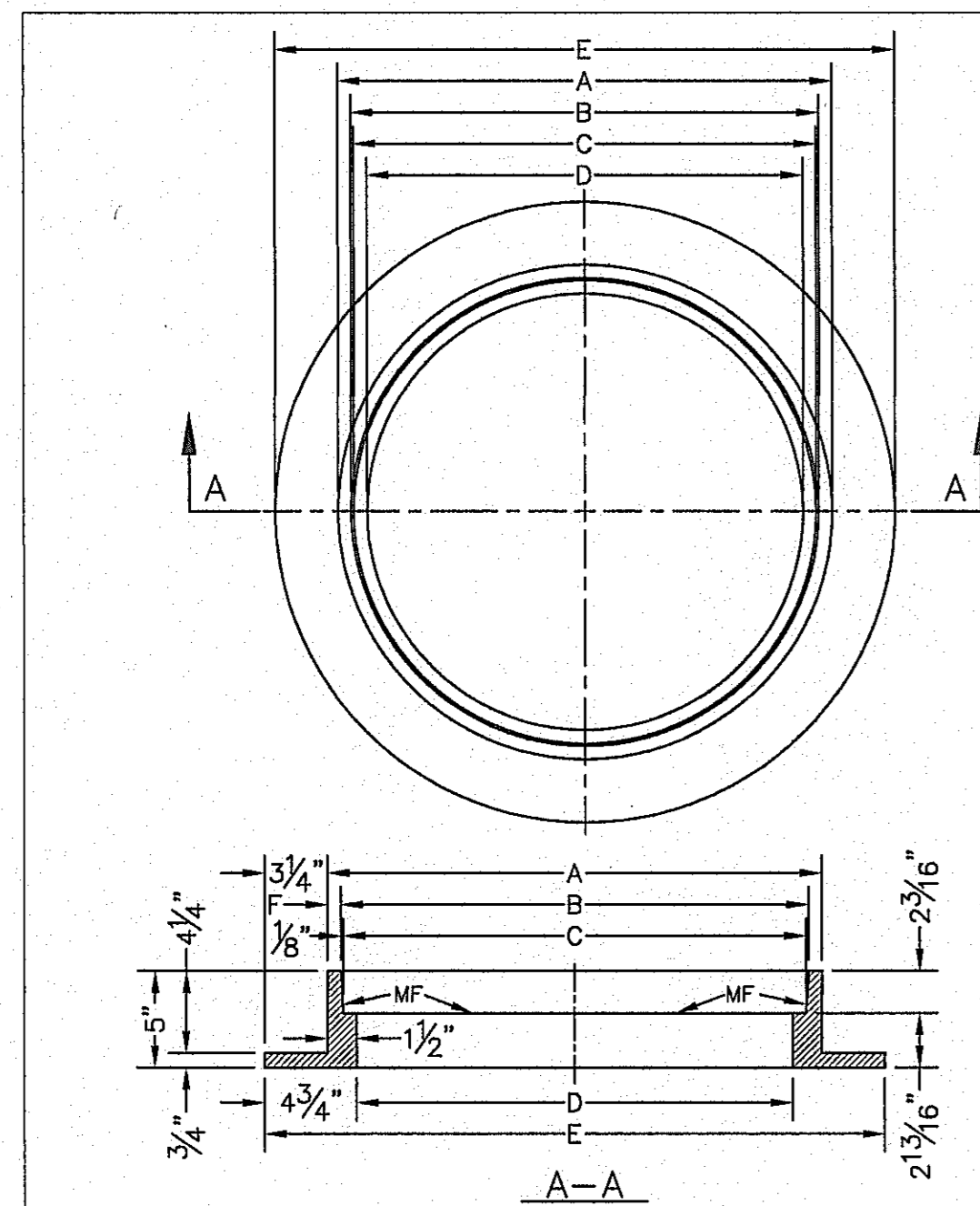
**CITY DEVELOPMENT DEPARTMENT**

**REVIEWED**

**WARNING!**  
**BEFORE YOU DIG**  
CALL  
1-800-DIG-TESS  
1-800-344-8377  
FOR FIELD LOCATING EXISTING UTILITIES







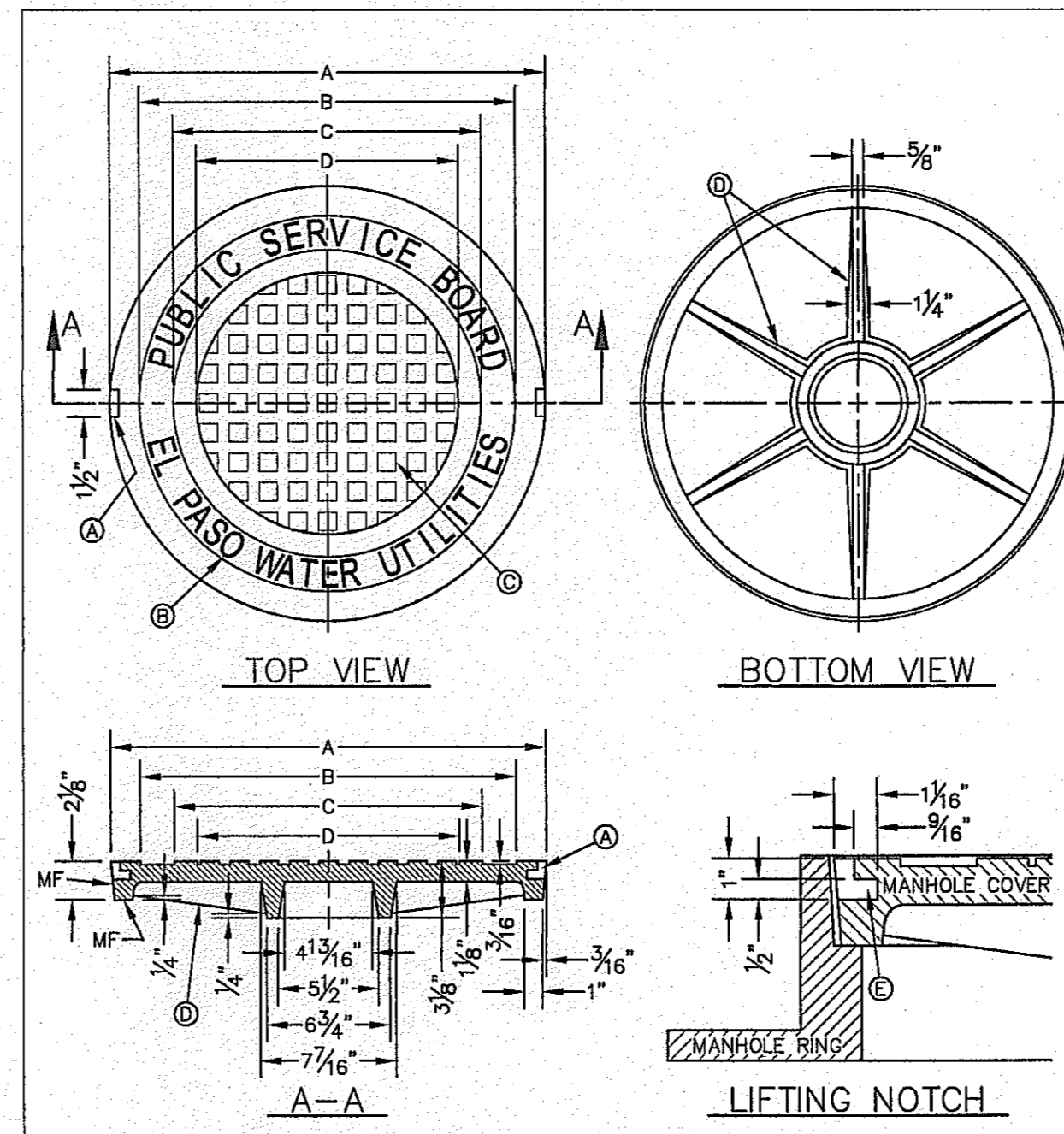
- GENERAL NOTES:**
1. MATCHING SURFACES MARKED "MF" TO BE FINISHED OF ANY IRREGULARITIES THAT WOULD PREVENT A SNUG FIT.
  2. CASTING TO BE SMOOTH & VOID OF AIR HOLES.
  3. CASTING MUST MEET REQUIREMENTS OF AASHTO M306-07.
  4. AS-CAST DIMENSIONS MAY VARY  $\frac{1}{8}$ "  $\pm$  / PER FOOT (AASHTO M306-07).
  5. WEIGHT MAY VARY 5%  $\pm$  (AASHTO M306-07).

MANHOLE RING	MANHOLE - ALL TYPES	*MANHOLE TYPE A, A1, A2 & C
A	33"	25 $\frac{1}{2}$ "
B	31 $\frac{3}{4}$ "	24 $\frac{1}{8}$ "
C	31 $\frac{1}{2}$ "	23 $\frac{3}{8}$ "
D	30"	22 $\frac{1}{2}$ "
E	39 $\frac{1}{2}$ "	32"
F	5 $\frac{1}{8}$ "	1 $\frac{1}{8}$ "
WEIGHT	205 lbs.	170 lbs.

\*OBSOLETE - DO NOT USE (FOR REFERENCE ONLY)

STANDARD DETAIL DATE: 11/1992 REV: 2/21/2011 SEWER MANHOLE RING N.T.S. EL PASO WATER UTILITIES PUBLIC UTILITIES BOARD DETAIL No. 377

1 STANDARD MANHOLE RING SCALE: N.T.S.



- GENERAL NOTES:**
1. MATCHING SURFACES MARKED "MF" TO BE FINISHED OF ANY IRREGULARITIES THAT WOULD PREVENT A SNUG FIT.
  2. CASTING TO BE SMOOTH & VOID OF AIR HOLES.
  3. CASTING MUST MEET REQUIREMENTS OF AASHTO M306-07.
  4. AS-CAST DIMENSIONS MAY VARY  $\frac{1}{8}$ "  $\pm$  / PER FOOT (AASHTO M306-07).
  5. WEIGHT MAY VARY 5%  $\pm$  (AASHTO M306-07).

**CONSTRUCTION KEY NOTES:**

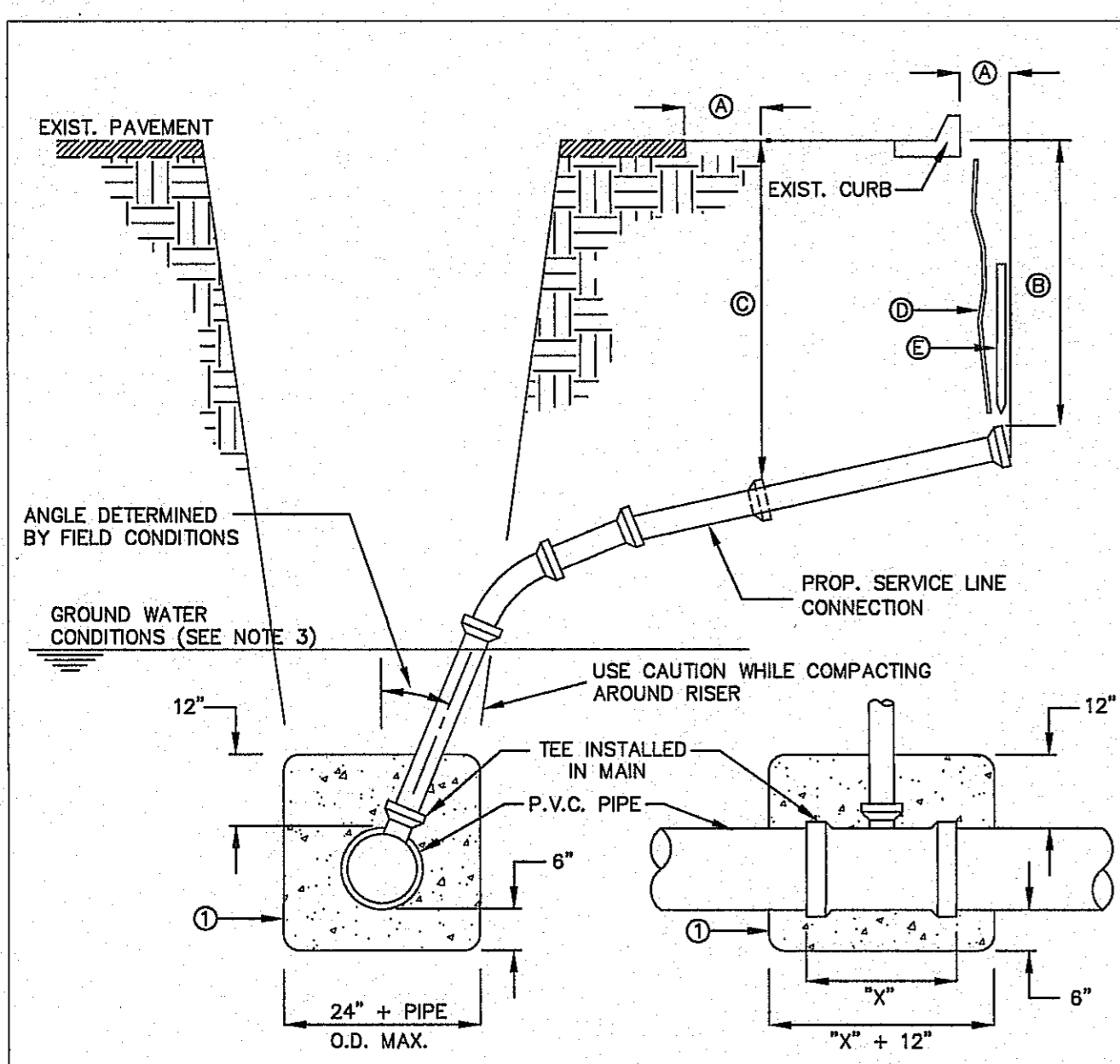
- A. LIFTING NOTCH.
- B.  $\frac{3}{8}$ " RAISED LETTERING.
- C. 1" SQUARES ( $\frac{3}{8}$ " TALL) WITH  $\frac{5}{8}$ " SPACE BETWEEN.
- D. REINFORCING RIBS.
- E. SLOT.

MANHOLE COVER	MANHOLE - ALL TYPES	*MANHOLE TYPE A, A1, A2 & C
A	31 $\frac{3}{8}$ "	23 $\frac{3}{8}$ "
B	28 $\frac{1}{8}$ "	20 $\frac{3}{8}$ "
C	24 $\frac{3}{8}$ "	16 $\frac{3}{8}$ "
D	21 $\frac{3}{8}$ "	14 $\frac{3}{8}$ "
WEIGHT	200 lbs.	165 lbs.

\*OBSOLETE - DO NOT USE (FOR REFERENCE ONLY)

STANDARD DETAIL DATE: 11/1992 REV: 2/21/2011 SEWER MANHOLE COVER N.T.S. EL PASO WATER UTILITIES PUBLIC UTILITIES BOARD DETAIL No. 378

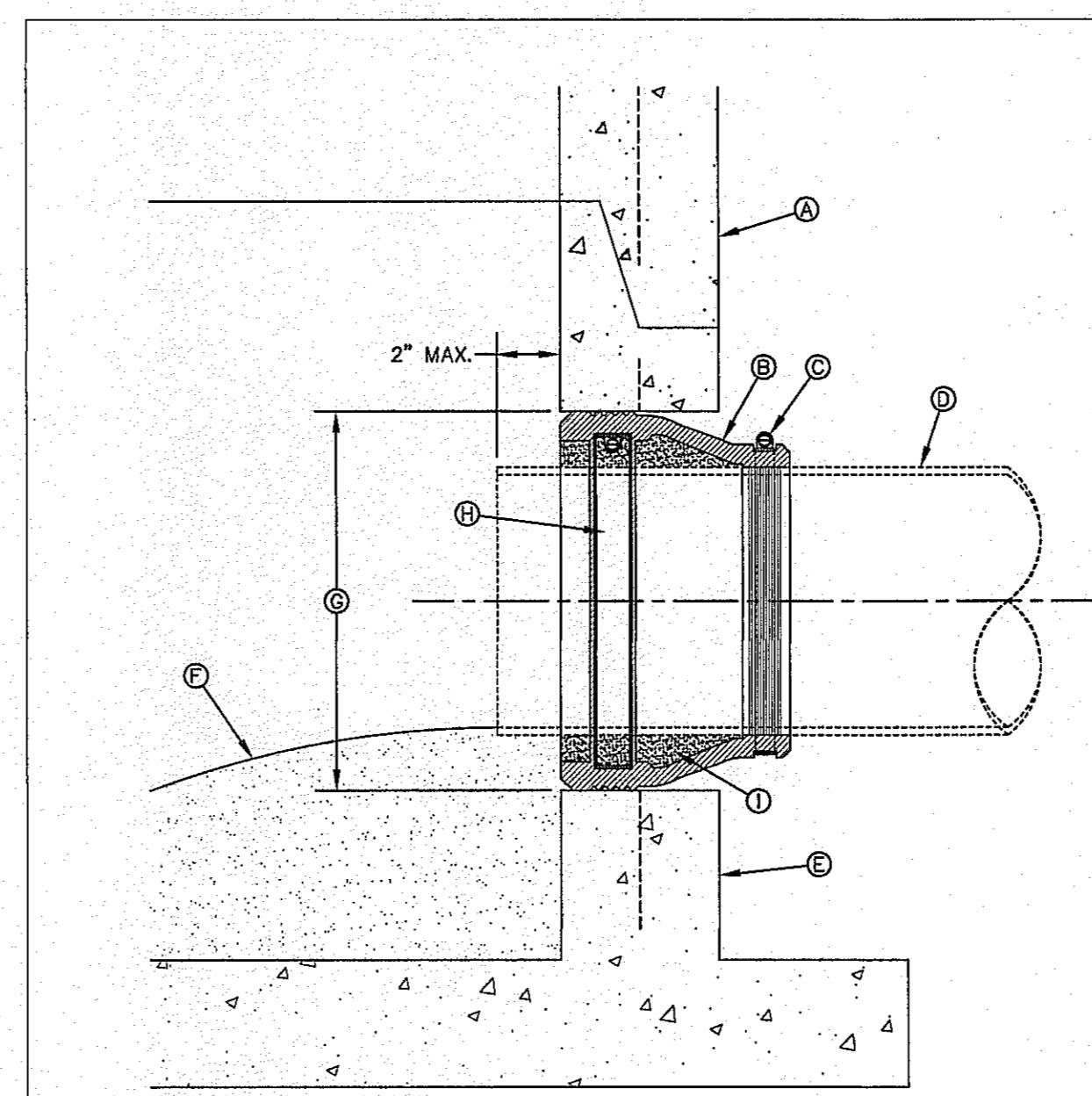
2 STANDARD COVER DETAIL SCALE: N.T.S.



- GENERAL NOTES:**
1. IN GROUNDWATER CONDITIONS ONLY, P.V.C. SADDLES OR TEES ARE TO BE ENCASED WITH CLASS B CONCRETE.
  2. UNDER CERTAIN CONDITIONS FIELD INVESTIGATIONS WILL BE REQUIRED TO DETERMINE THE ADEQUACY OF THE DEPTH ON THE LATERAL.
  3. WHEN GROUND WATER IS ENCOUNTERED SERVICE RISER SHALL BE EXTENDED ABOVE ANTICIPATED WATER TABLE LEVEL.
- CONSTRUCTION KEY NOTES:**
- A. CONTRACTOR TO INSTALL SEWER SERVICE LINE FROM THE MAIN TO A LOCATION 6" BEHIND THE CURB OR 18" BEYOND THE EDGE OF PAVEMENT, UNLESS CONDITIONS REQUIRE OTHERWISE.
  - B. 18" FOR STANDARD SUBDIVISION, 3.5' FOR SUBDIVISIONS WITH ON-SITE PONDING OR FLAT TERRAIN.
  - C. RISERS OR LATERALS EXTENDING BEYOND EXISTING PAVING SHALL BE INSTALLED TO 3.5' MINIMUM TOP OF GROUND OR PAVEMENT, UNLESS CONDITIONS REQUIRE OTHERWISE.
  - D. PLASTIC METALLIC MARKING TAPE RISING TO WITHIN 6" OF GROUND SURFACE OR METALLIC DISK.
  - E. WOODEN STAKE (1"x2"x36") VERTICALLY PLACED AT PLUGGED END OF PROPOSED SERVICE LINE.

STANDARD DETAIL DATE: 11/1992 REV: 1/23/2009 SEWER SERVICE RISER AND SERVICE LINE CONNECTION N.T.S. EL PASO WATER UTILITIES PUBLIC UTILITIES BOARD DETAIL No. 391

3 SEWER SERVICE RISER AND SERVICE LINE CONNECTION SCALE: N.T.S.



- GENERAL NOTES:**
1. MANHOLE CONNECTOR SHALL BE KOR-N-SEAL OR EQUAL MEETING THE REQUIREMENTS OF ASTM C-923. CONNECTOR SHALL BE FURNISHED BY CONTRACTOR.
- CONSTRUCTION KEY NOTES:**
- A. PRECAST MANHOLE BARREL.
  - B. FLEXIBLE CONNECTOR.
  - C. PIPE CLAMP SS 316.
  - D. APPROVED PIPE.
  - E. PRECAST MANHOLE BASE.
  - F. GROUT AS REQUIRED TO FORM SMOOTH CHANNEL TO MANHOLE INVERT.
  - G. PIPE OPENINGS/KNOCKOUTS AS REQUIRED TO FIT PIPE SIZE.
  - H. EXPANSION BAND SS 316.
  - I. FILL SPACE WITH GROUT.

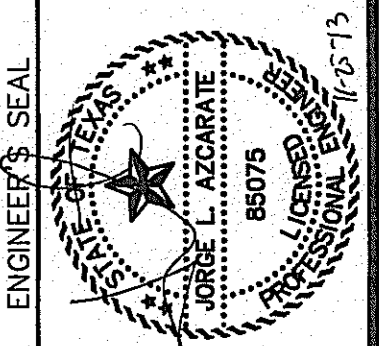
STANDARD DETAIL DATE: 11/1992 REV: 8/13/2009 PIPE CONNECTION TO MANHOLE N.T.S. EL PASO WATER UTILITIES PUBLIC UTILITIES BOARD DETAIL No. 376

4 PIPE CONNECTION TO MANHOLE SCALE: N.T.S.

REFERENCES - BENCHMARKS

EXISTING CITY MONUMENT ELEVATION 4003.10 FEET (CITY DATUM)	BY
LOCATED AT THE CENTERLINE INTERSECTION OF PASADO ALBIREO CIRCLE AND PASADO UNDO DRIVE	
DATE	REVISIONS

**ceba**  
engineers • architects • planners  
TEXAS REGISTERED ENGINEERING FIRM F-4584  
4712 Woodrow Bean, Ste. F El Paso, TX 79924  
Office: 915.544.5252 Fax: 915.544.5253 www.ceba.com



SCALE

Vertical: N/A  
Horizontal: N/A

DATE: OCTOBER 2013  
DESIGN BY: R.O.  
DRAWN BY: R.O.  
CHKD. BY: J.L.A.  
APPRD. BY: J.L.A.  
JOB No. 2000-1381D

PROJECT TITLE  
**MESQUITE TRAILS UNIT SEVEN  
AMENDING PLAT  
SUBDIVISION IMPROVEMENTS**

SHEET TITLE

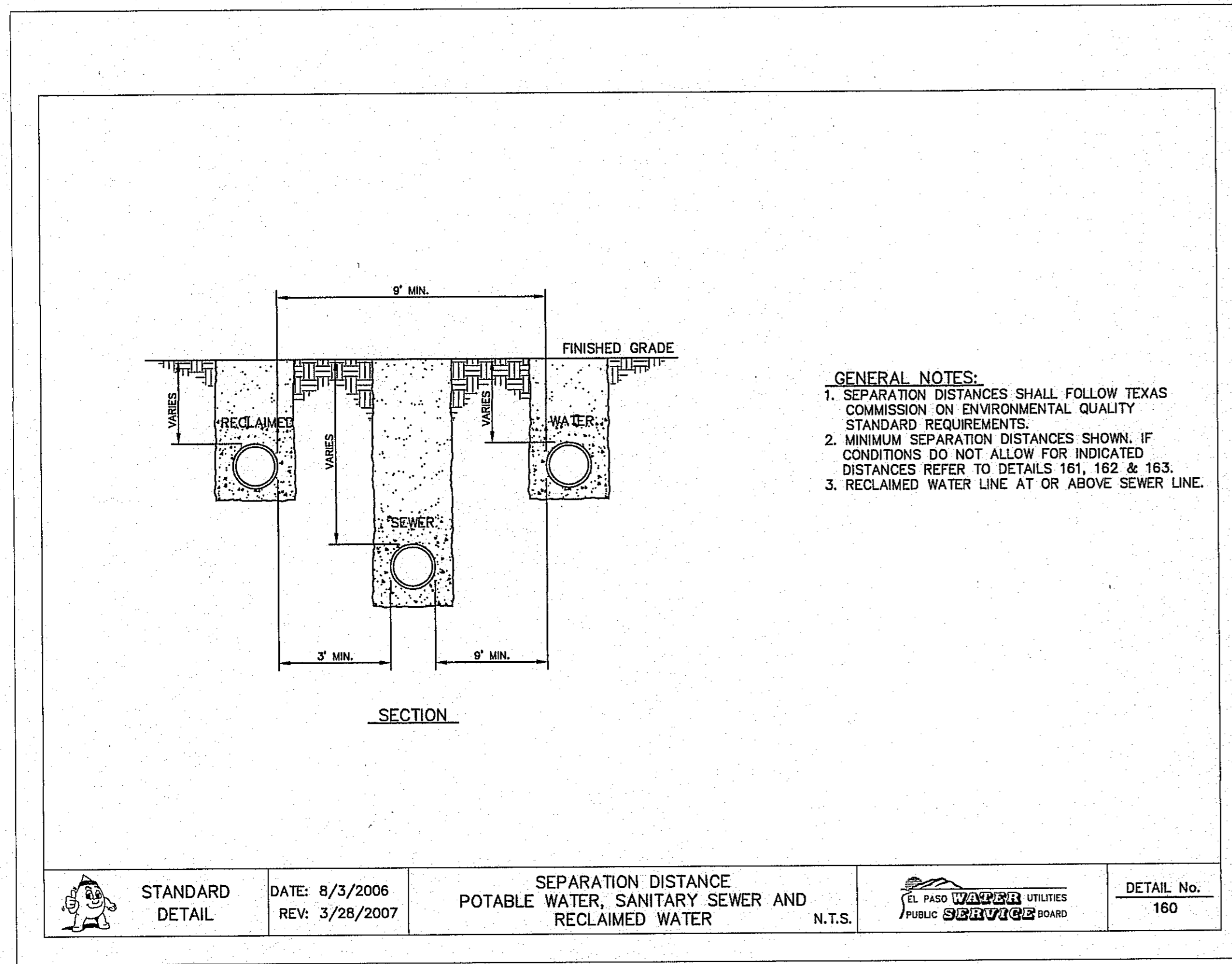
SANITARY SEWER  
DETAIL  
(SHEET 1 OF 3)

SHEET NO.

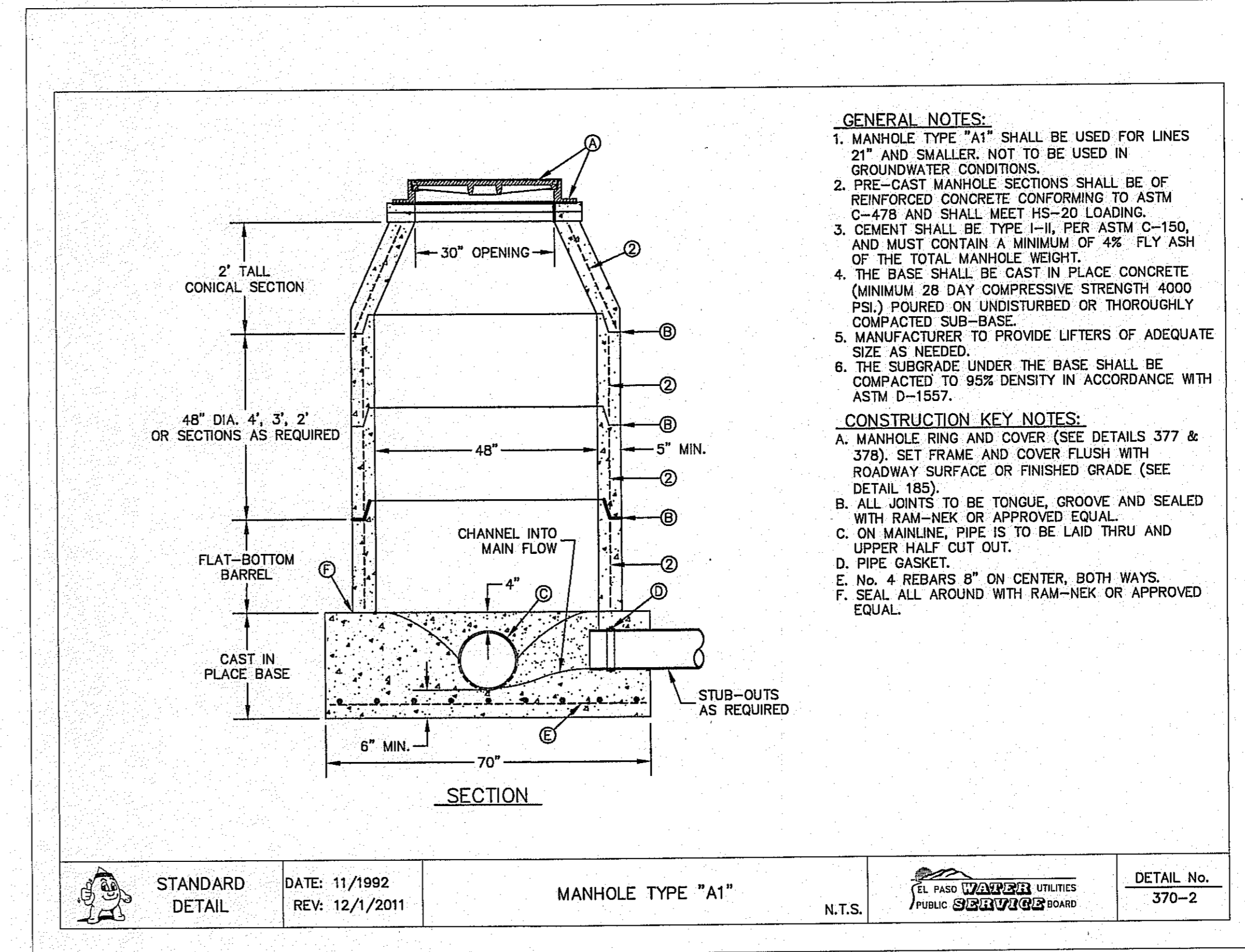
C8.2

CITY DEVELOPMENT DEPARTMENT  
**REVIEWED**

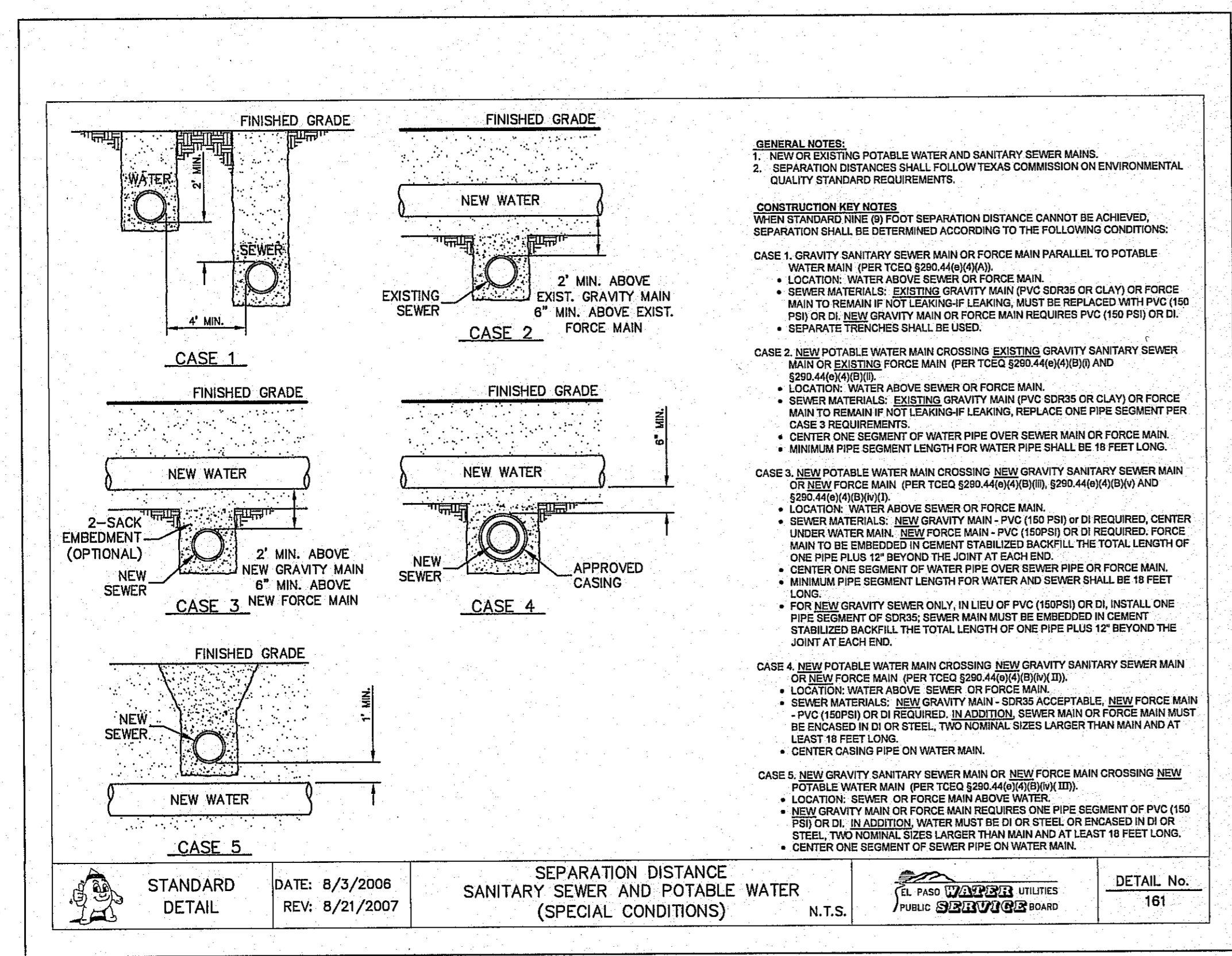




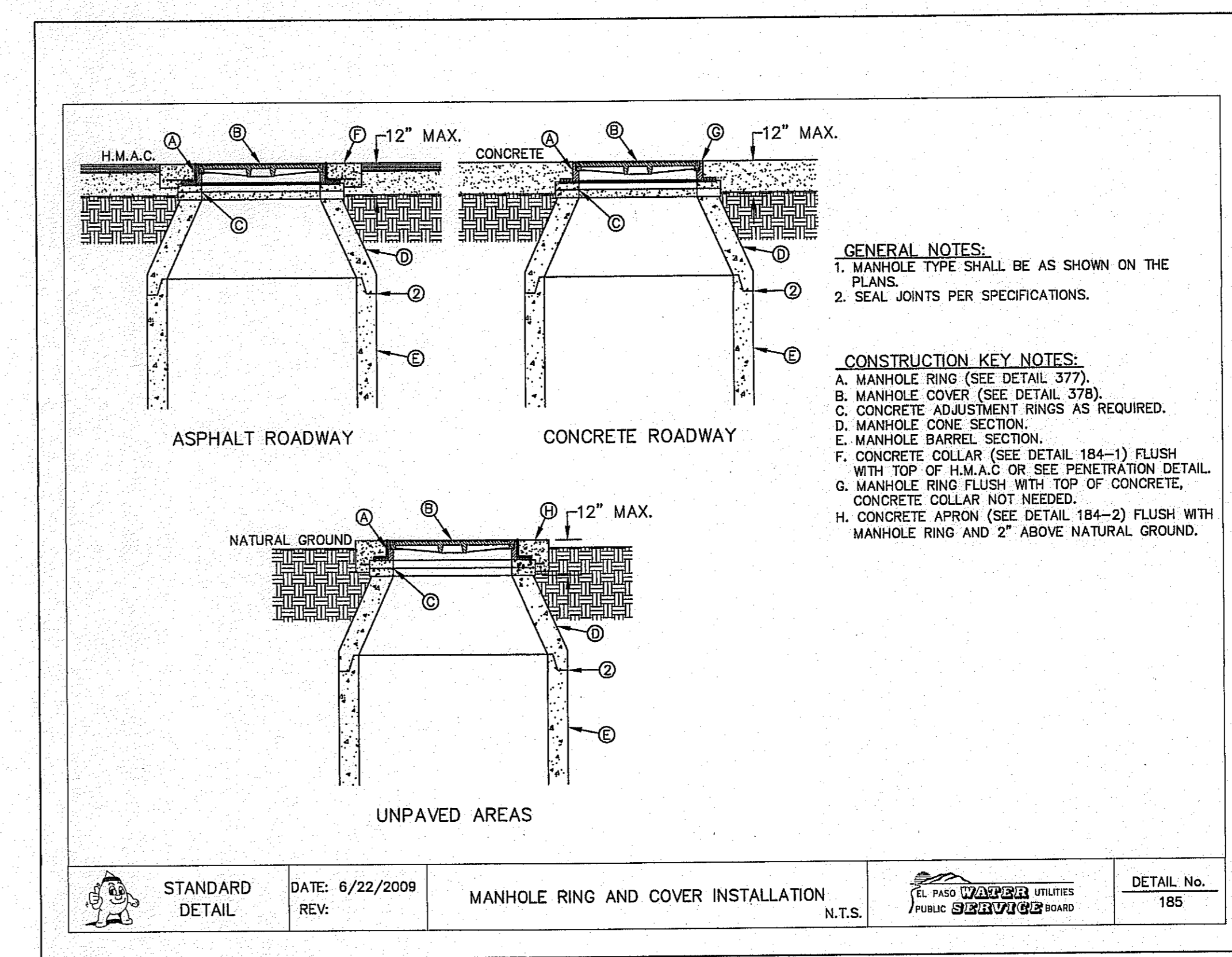
1 CB.3 SEPARATION DISTANCE-POTABLE WATER, SANITARY SEWER AND RECLAIMED WATER SCALE: N.T.S.



2 CB.3 STANDARD MANHOLE TYPE "A1" SCALE: N.T.S.



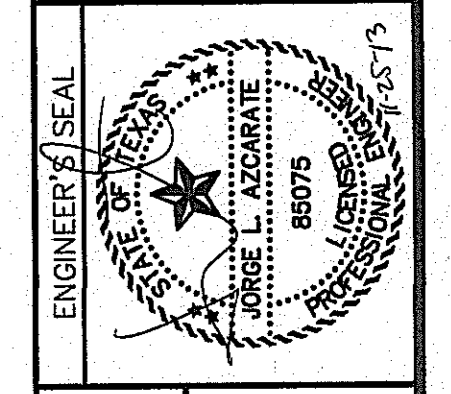
3 CB.3 SEPARATION DISTANCE SANITARY SEWER AND POTABLE WATER (SPECIAL CONDITIONS) SCALE: N.T.S.



4 CB.3 STANDARD MANHOLE RING AND COVER INSTALLATION DETAIL SCALE: N.T.S.

REFERENCES - BENCHMARKS

EXISTING CITY MONUMENT ELEVATION 4003.10 FEET (CITY DATUM)	LOCATED AT THE CENTERLINE INTERSECTION OF PASSED ALBIRE CIRCLE AND PASSED UNDO DRIVE.
DATE	REVISIONS
BY	



SCALE

Horizontal:	Interval: 1/4"
Vertical:	Interval: 1/8"
DATE:	OCTOBER 2013
DESIGN BY:	R.O.
DRAWN BY:	J.G.
CHKD. BY:	J.L.A.
APPVD. BY:	J.L.A.
JOB No.	2000-138LD

PROJECT TITLE

MESQUITE TRAILS UNIT SEVEN AMENDING PLAT SUBDIVISION IMPROVEMENTS

SHEET TITLE

SANITARY SEWER DETAIL (SHEET 2 OF 3)

SHEET NO.

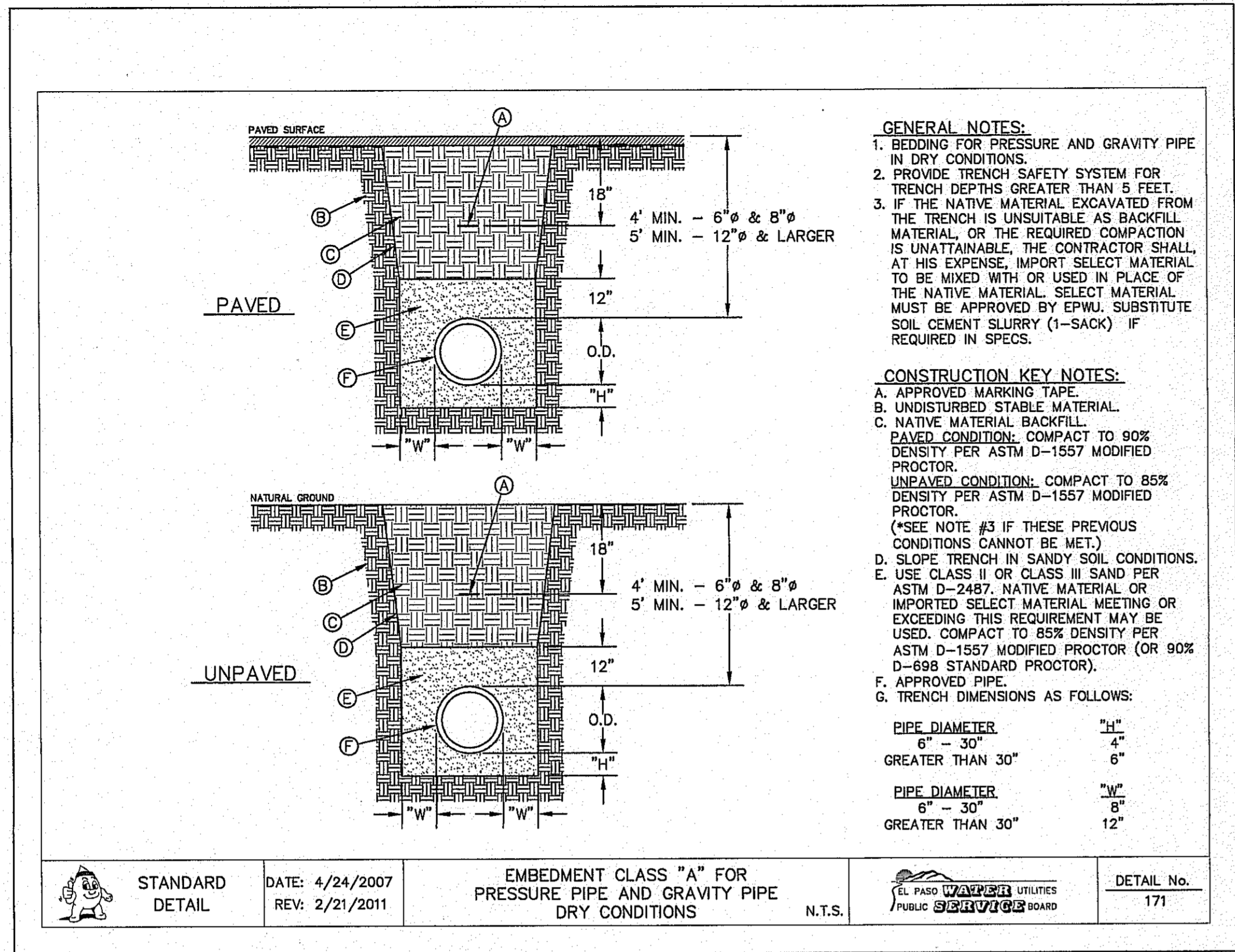
C8.3

CITY DEVELOPMENT DEPARTMENT

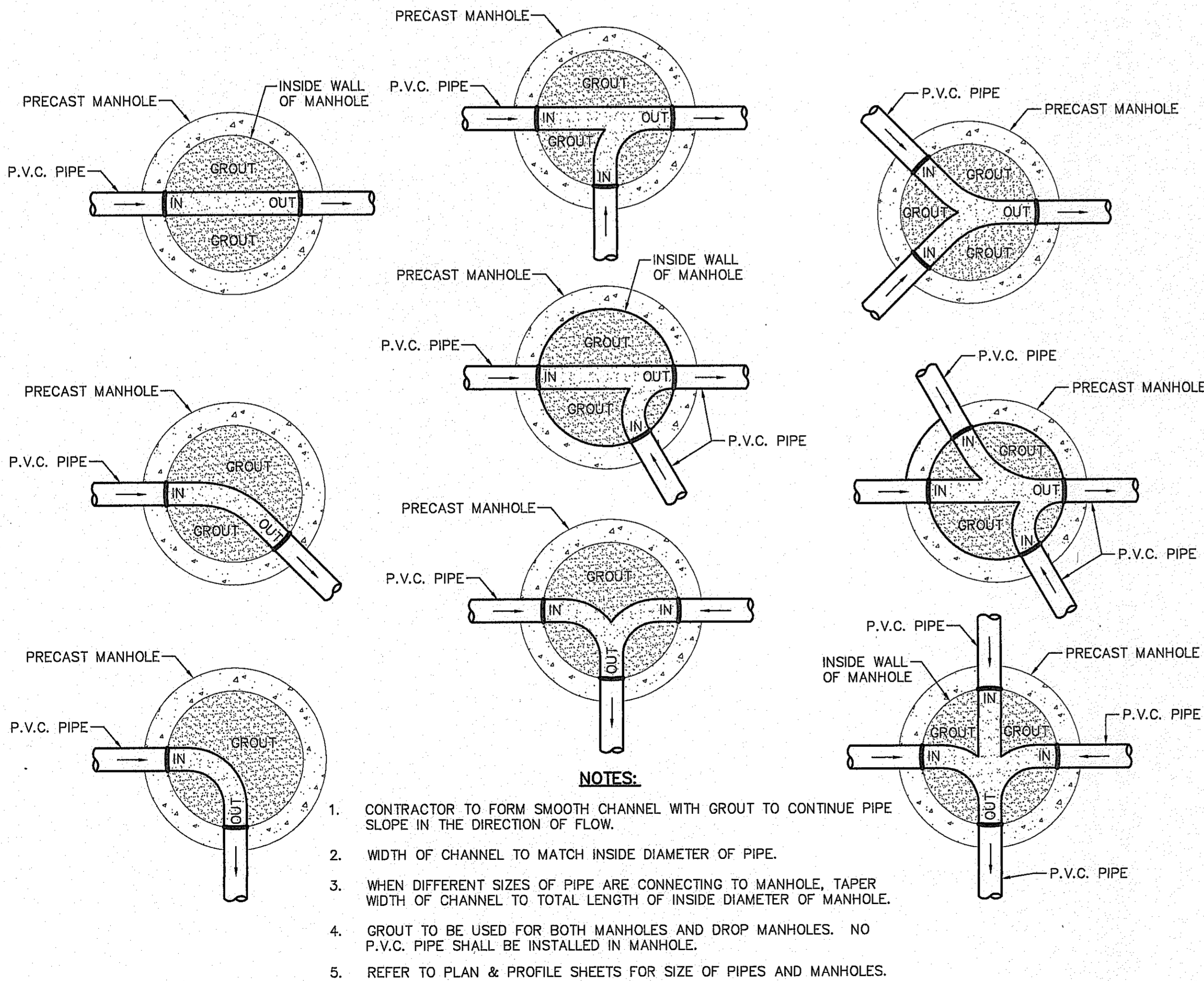
REVIEWED

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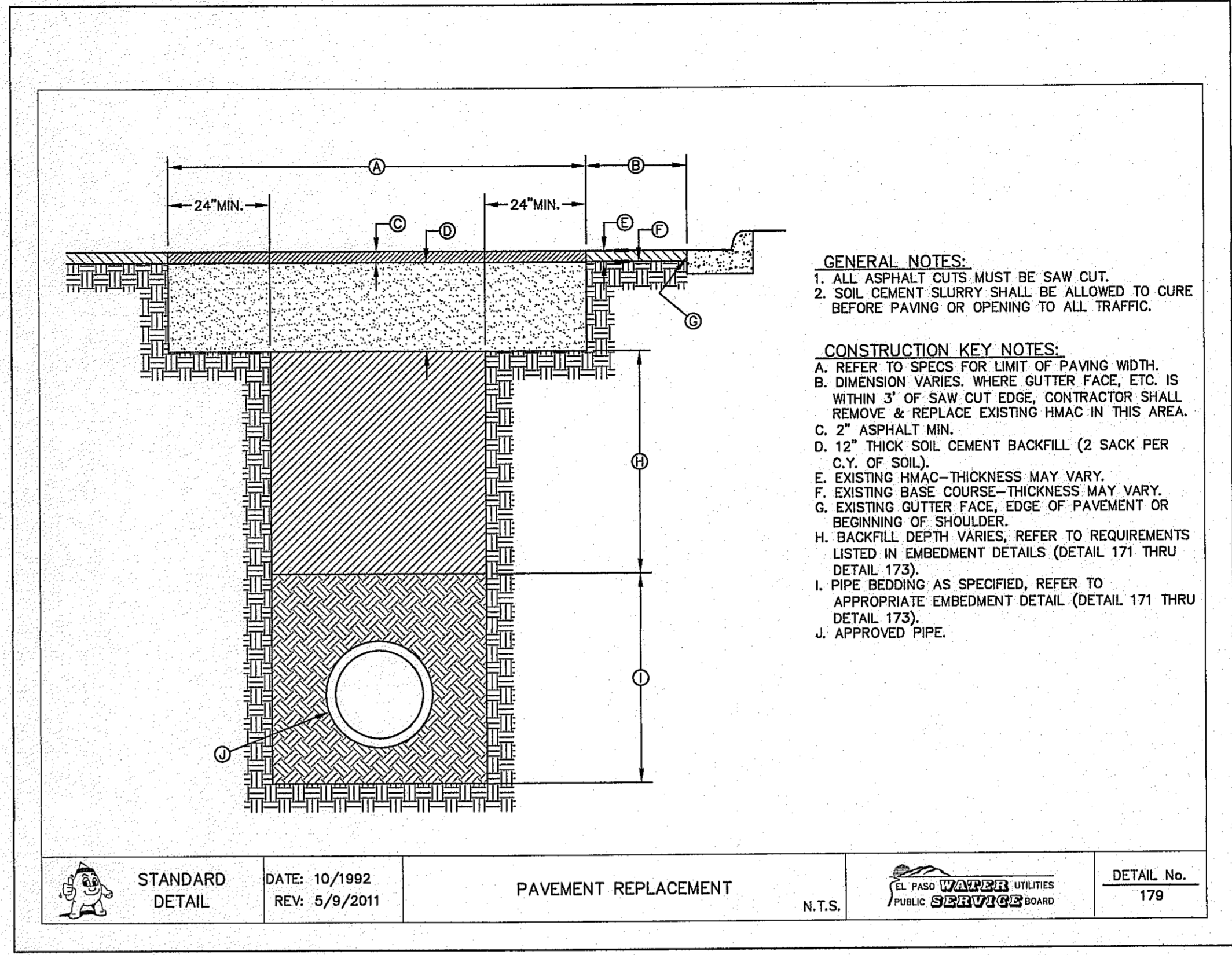




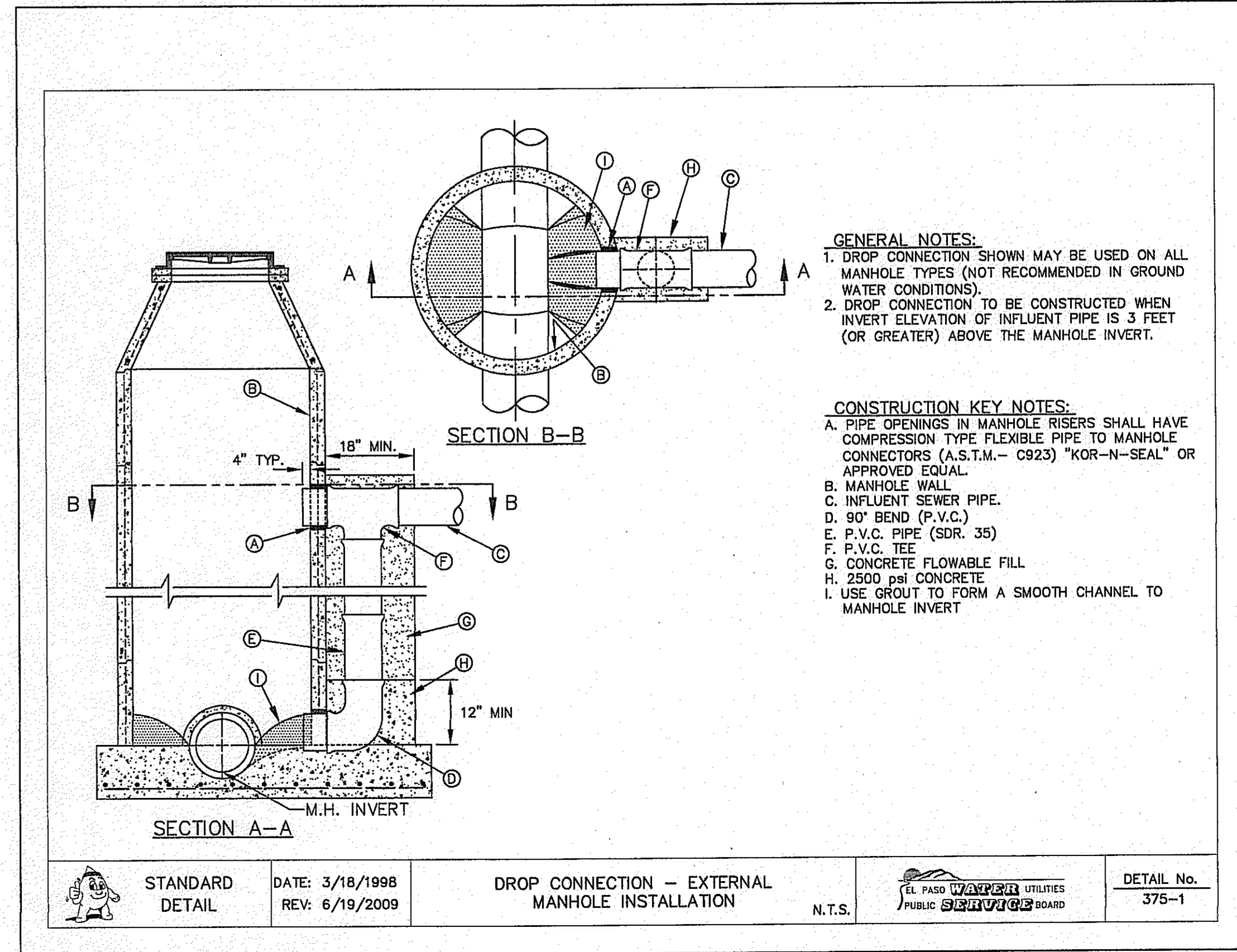
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 C8.4 EMBEDMENT CLASS "A" FOR PRESSURE PIPE AND GRAVITY PIPE DRY CONDITIONS SCALE: N.T.S.



3  
 C8.4 TYPICAL MANHOLE INVERT PLANS SCALE: N.T.S.



2  
 C8.4 PAVEMENT REPAIR DETAIL N.T.S.



4  
 C8.4 DROP CONNECTION - EXTERNAL MANHOLE INSTALLATION SCALE: N.T.S.

**REFERENCES - BENCHMARKS**  
 EXISTING CITY MONUMENT ELEVATION 4003.10 FEET (CITY DATUM) LOCATED AT THE CENTERLINE INTERSECTION OF PASEO ALBUQUE RIVER AND PASEO UNDO DRIVE

**REVISIONS**

DATE	BY	REVISIONS
8/14/13 <td>R.O. <td>ADDED DROP CONNECTION-EXTERNAL MANHOLE INSTALLATION DETAIL </td></td>	R.O. <td>ADDED DROP CONNECTION-EXTERNAL MANHOLE INSTALLATION DETAIL </td>	ADDED DROP CONNECTION-EXTERNAL MANHOLE INSTALLATION DETAIL

**CS&A**  
 engineers • architects • planners  
 TEXAS REGISTERED ENGINEERING FIRM F-484  
 4712 Woodrow Bean, Ste. F El Paso, TX 79924  
 Office: 915.544.5292 Fax: 915.544.5293 www.csandp.com

**ENGINEER'S SEAL**  
 JORGE L. AZCARRATE  
 80078  
 11/25/2013

**SCALE**  
 Horizontal: N/A  
 Vertical: Interval: 11/4  
 Contour: Interval: 201.3  
 DATE: AUGUST 2013  
 DESIGN BY: R.O.  
 DRAWN BY: R.O.  
 CHKD. BY: J.L.A.  
 APPVD. BY: J.L.A.  
 JOB No. 2000-138LD

**PROJECT TITLE**  
 MESQUITE TRAILS UNIT SEVEN  
 AMENDING PLAT  
 SUBDIVISION IMPROVEMENTS

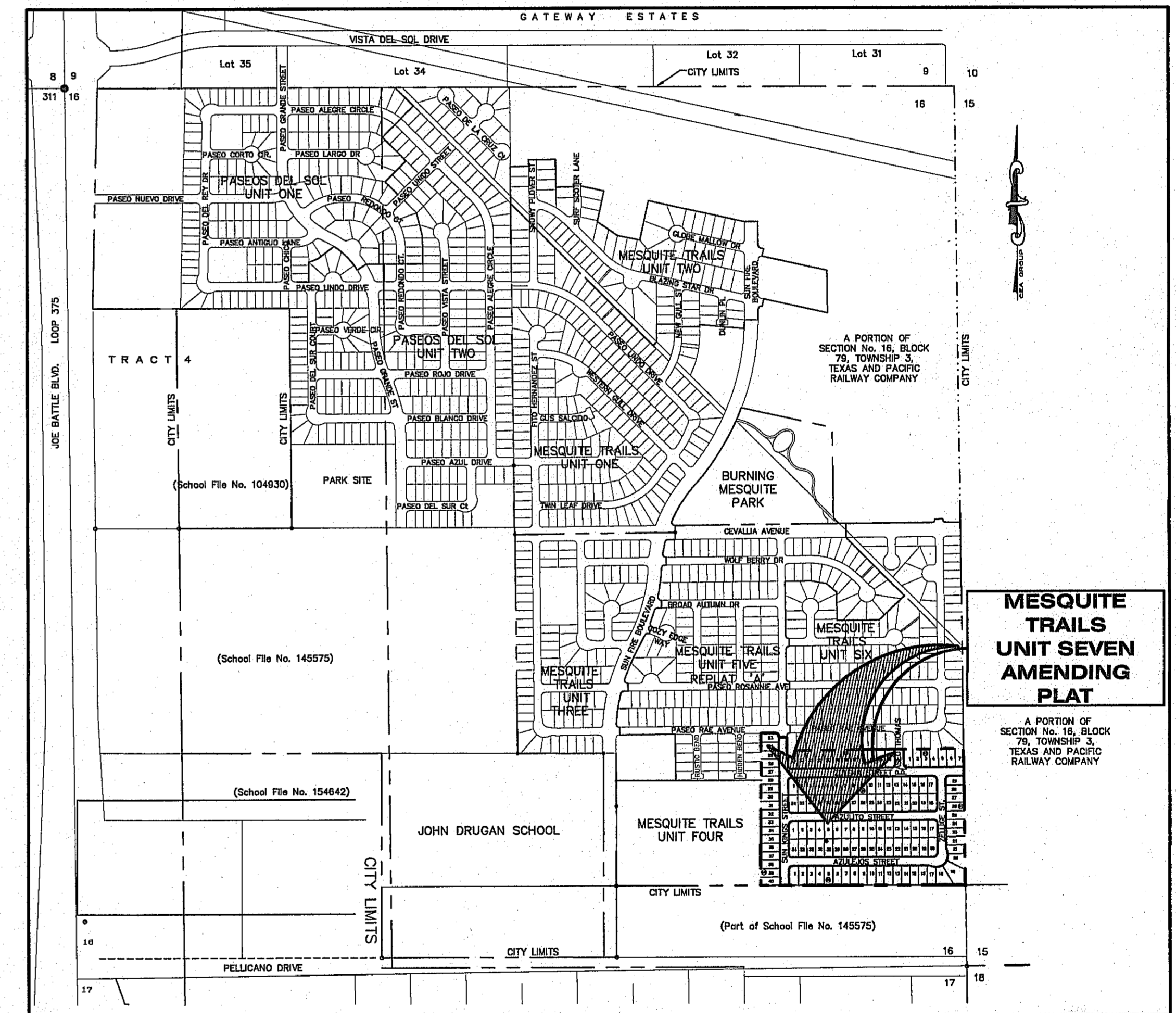
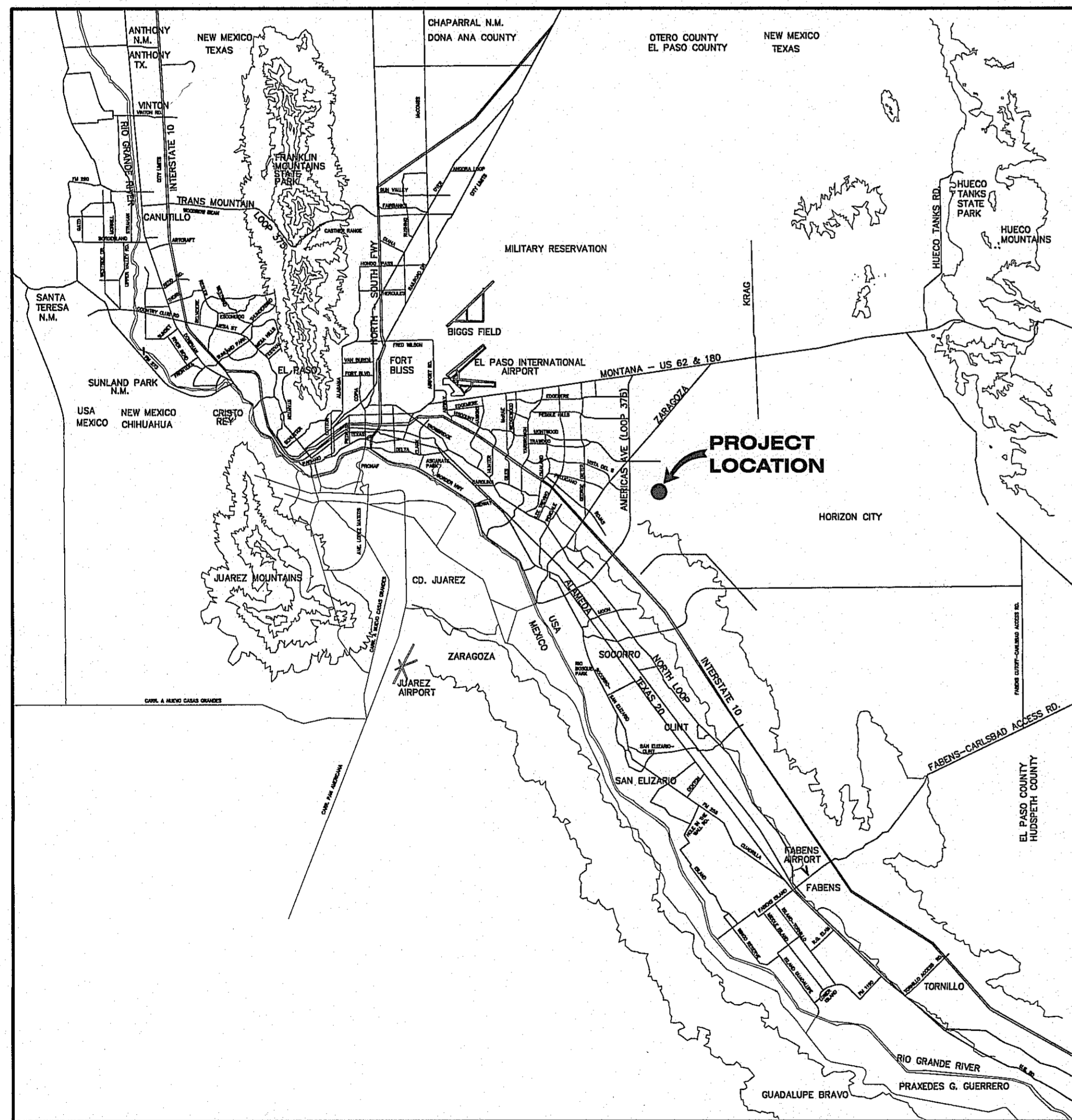
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 SANITARY SEWER  
 DETAIL  
 (SHEET 3 OF 3)

**SHEET NO.**  
 C8.4

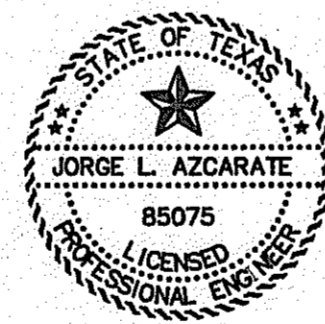


# MESQUITE TRAILS UNIT SEVEN AMENDING PLAT SUBDIVISION IMPROVEMENTS

BEING A PORTION OF  
SECTION No. 16, BLOCK 79, TOWNSHIP 3,  
TEXAS AND PACIFIC RAILWAY COMPANY SURVEYS  
CITY OF EL PASO, EL PASO COUNTY, TEXAS  
CONTAINING 22.841 ± ACRES



SHEET NUMBER	SHEET TITLE
CVR	COVER SHEET
C1.1	GENERAL INFORMATION
C2.1	REPLAT-A
C3.1	GRADING PLAN
C4.1	GRADING SECTIONS
C5.1-C5.2	STANDARD DETAILS
C6.1	ILLUMINATION PLAN
C7.1	WATER INDEX / GENERAL INFORMATION
C7.2-C7.5	WATER DETAILS
C8.1	SANITARY SEWER INDEX / GENERAL INFORMATION
C8.2-C8.4	SANITARY SEWER DETAILS



*JL*  
11-25-13  
JORGE L. AZCARATE, P.E. PROJECT MANAGER

**cea**  
group  
engineers • architects • planners  
TEXAS REGISTERED ENGINEERING FIRM F-4604  
4712 Woodrow Bean, Ste. F, El Paso, TX 79924  
Office: 915.544.5232 Fax: 915.544.5233 www.ceagroup.net



CITY DEVELOPMENT DEPARTMENT  
REVIEWED



LOCATION MAP  
APPROXIMATE SCALE: 1" = 600'

VICINITY MAP  
APPROXIMATE SCALE:  
1" = 2 MILES

PRINCIPAL CONTACTS:					
	NAME	ADDRESS	CITY & ZIP	PHONE	FAX
OWNER:	AMERICAS LOOP 375 JOINT VENTURE	4655 COHEN AVENUE	EL PASO, TX 79924	(915) 821-3550	(915) 821-3556
ENGINEER:	CEA GROUP	4712 WOODROW BEAN DR. STE. F	EL PASO, TX 79924	(915) 544-5232	(915) 544-5233
SURVEYOR:	BARRAGAN & ASSOCIATES	10950 PELLICANO DR. BUILDING F	EL PASO, TX 79936	(915) 591-5709	(915) 591-5706

CITY DEVELOPMENT DEPARTMENT

Reviewed For Conformance For Condition Related To:  
 Sidewalks  
 Driveways  
 Grading & Drainage  
 Retaining Rock Walls  
 Wheelchair Ramps  
 On Site Paving of Storm Water  
 On Site Parking Layout

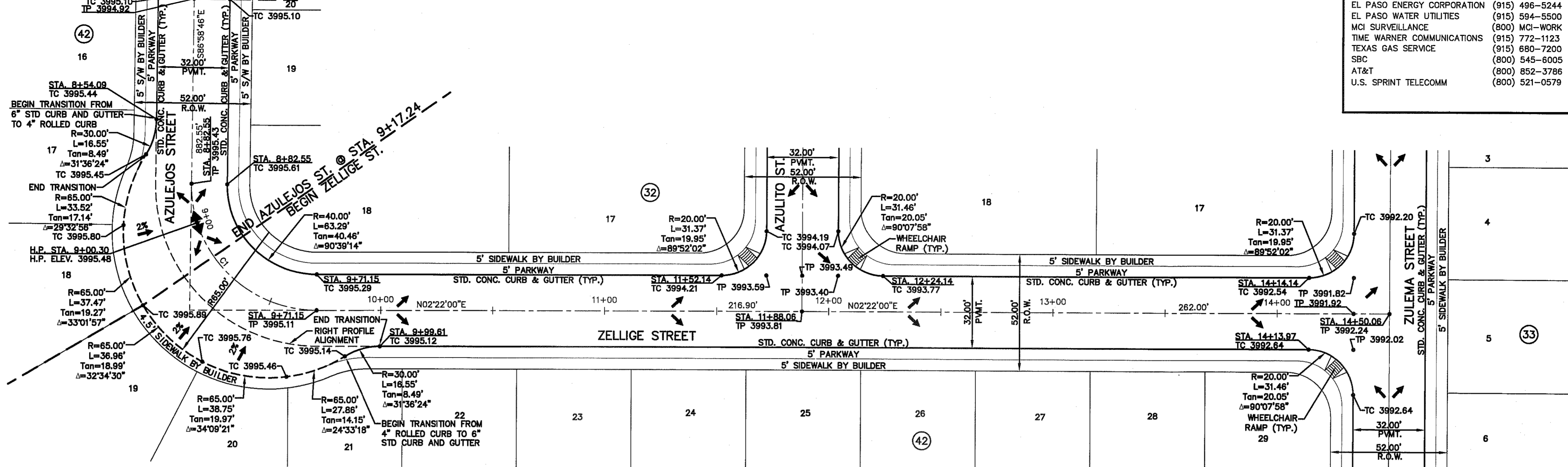
Contractor Must Call 24 Hours Prior To Construction For Inspections

JAVIER GUTIERREZ  
By

Nov. 26 / 2013



MATCHLINE @ STA. 8+00.00 SEE SHEET C6.3



PLAN

**UTILITY LOCATOR SERVICES**

EL PASO ELECTRIC COMPANY	(915) 543-5720
EL PASO ENERGY CORPORATION	(915) 496-5244
EL PASO WATER UTILITIES	(915) 594-5500
MCI SURVEILLANCE	(800) MCI-WORK
TIME WARNER COMMUNICATIONS	(915) 772-1123
TEXAS GAS SERVICE	(915) 680-7200
SBC	(800) 545-6005
AT&T	(800) 652-3786
U.S. SPRINT TELECOMM	(800) 521-0579

**WARNING!**  
**BEFORE YOU DIG**

CALL  
1-800-DIG-TESS  
1-800-344-8377

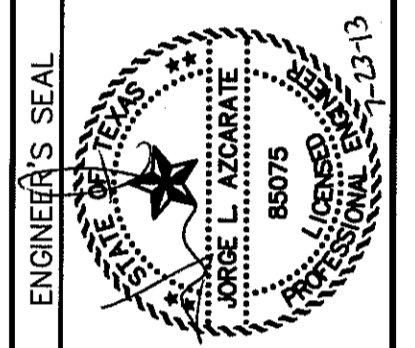
FOR FIELD LOCATING EXISTING UTILITIES

REFERENCES - BENCHMARKS

EXISTING CITY MONUMENT	ELEVATION 4003.10 FEET (CITY DATUM)	
LOCATED AT THE CENTERLINE INTERSECTION OF	PASEO ALEGRE CIRCLE AND PASEO LINDO DRIVE	
DATE	REVISIONS	BY

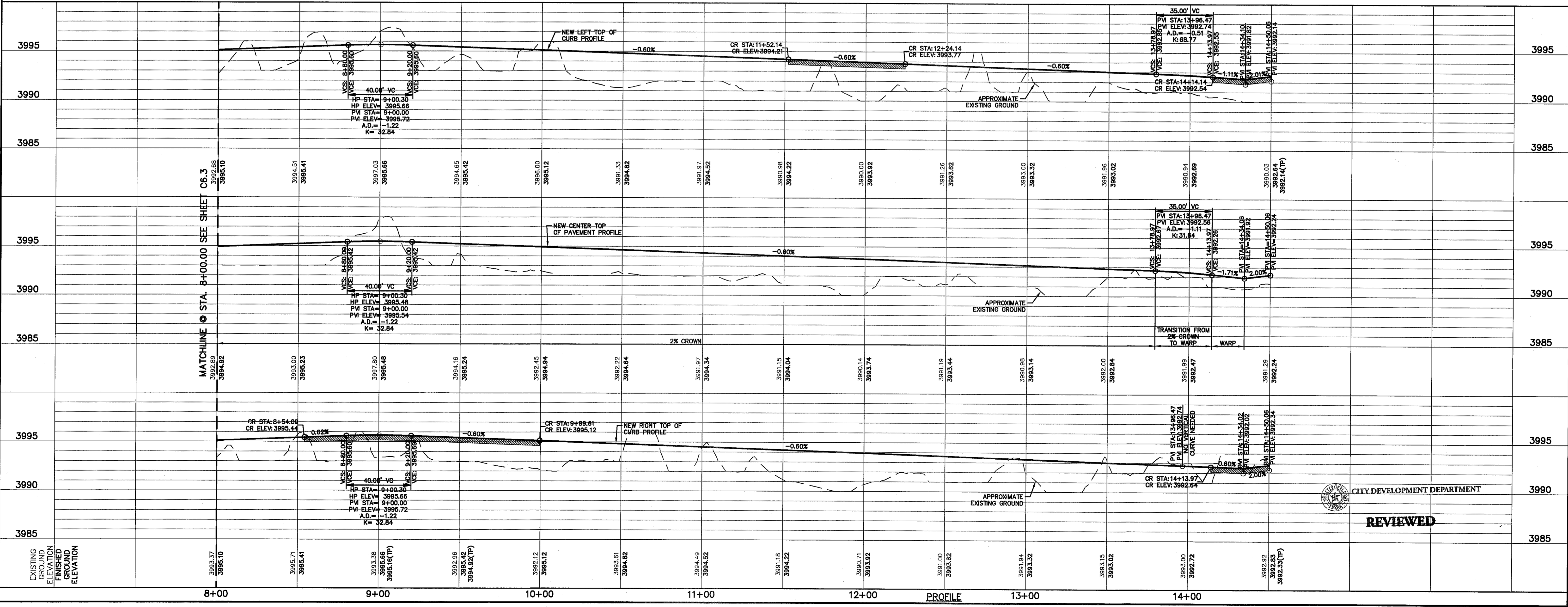
**osa**  
engineers • architects • planners

TEXAS REGISTERED ENGINEERING FIRM #484  
4712 Woodrow Wilson, Ste. F, El Paso, TX 79904  
Office: 915.544.5232 Fax: 915.544.5233 www.osaapp.com



**LEGEND:**

- WHEELCHAIR RAMP BY DEVELOPER.
- PROFILE DEPICTS 6" DROP AT INTERSECTION CURB RETURNS. REFER TO PVI STATIONS FOR ACTUAL PAVEMENT ELEVATIONS.



SCALE: 1"=30'  
Horizontal: 1"=5'  
Vertical: Contour Interval: N/A

DATE: JULY 2013  
DESIGN BY: R.O.  
DRAWN BY: J.G.  
CHKD. BY: J.L.A.  
APPVD. BY: J.L.A.

JOB No. 2000-136LD

PROJECT TITLE

**MESQUITE TRAILS  
UNIT SEVEN  
SUBDIVISION IMPROVEMENTS**

SHEET TITLE

**AZULEJOS STREET  
PLAN & PROFILE  
FROM STA. 8+00.00  
TO STA. 9+17.24  
ZELLEGE STREET  
PLAN & PROFILE  
FROM STA. 9+17.24  
TO STA. 14+50.06**

SHEET NO.

**C6.4**

S:\Projects\2000-136-UD\0003\Construction\Drawings\mesquite\Plan\AZULEJOS.dwg, 7/22/2013 10:14:47 AM

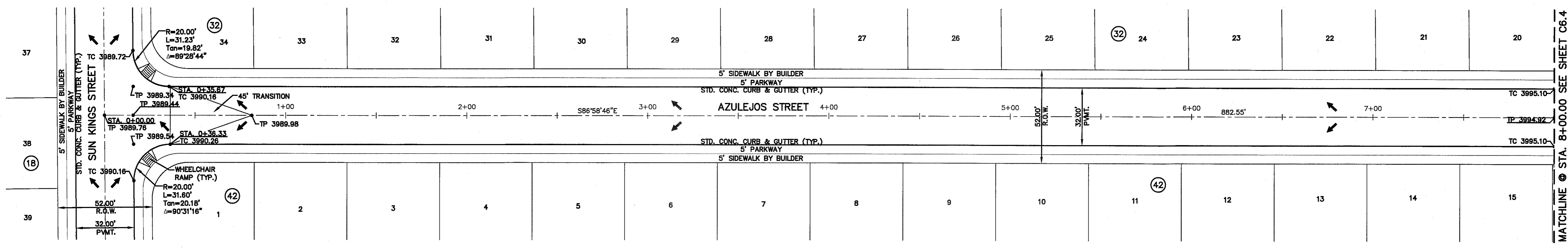


**UTILITY LOCATOR SERVICES**  
 EL PASO ELECTRIC COMPANY (915) 543-5720  
 EL PASO ENERGY CORPORATION (915) 496-5244  
 EL PASO WATER UTILITIES (915) 594-5500  
 MCI SURVEILLANCE (800) MCI-WORK  
 TIME WARNER COMMUNICATIONS (915) 772-1123  
 TEXAS GAS SERVICE (915) 880-7200  
 SBC (800) 545-6005  
 AT&T (800) 852-3786  
 U.S. SPRINT TELECOMM (800) 521-0579

**WARNING!**  
**BEFORE YOU DIG**  
 CALL  
 1-800-DIG-TESS  
 1-800-344-8377  
 FOR FIELD LOCATING EXISTING UTILITIES

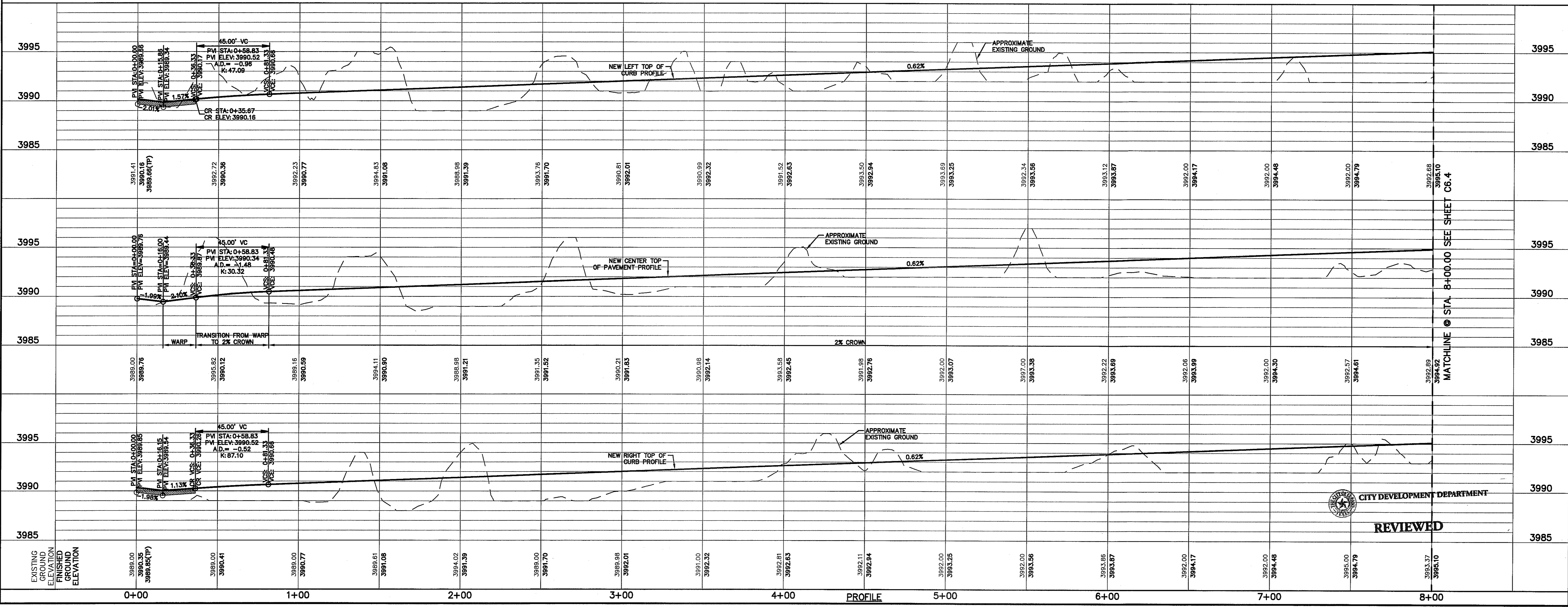
REFERENCES - BENCHMARKS

EXISTING CITY MONUMENT ELEVATION 4003.10 FEET (CITY DATUM) LOCATED AT THE CENTERLINE INTERSECTION OF PASO ALGRES CIRCLE AND PASO LINDO DRIVE.	BY
DATE	REVISIONS



PLAN

**LEGEND:**  
 WHEELCHAIR RAMP BY DEVELOPER.  
 PROFILE DEPICTS 6" DROP AT INTERSECTION CURB RETURNS. REFER TO PVI STATIONS FOR ACTUAL PAVEMENT ELEVATIONS.



ENGINEERS SEAL

DESIGN BY: R.O.  
 DRAWN BY: J.G.  
 CHECKED BY: J.G.  
 APP'D BY: J.G.  
 JOB No. 2000-1381D

PROJECT TITLE  
**MESQUITE TRAILS  
 UNIT SEVEN  
 SUBDIVISION IMPROVEMENTS**

SHEET TITLE  
**AZULEJOS STREET  
 PLAN & PROFILE  
 FROM STA. 0+00.00  
 TO STA. 8+00.00**

SHEET NO.  
**C6.3**

**REVIEWED**  
 CITY DEVELOPMENT DEPARTMENT

SCALE: 1"=30'  
 Horizontal: 1"=5'  
 Vertical: Contour Interval: N/A  
 DATE: JULY 2013  
 DESIGN BY: R.O.  
 DRAWN BY: J.G.  
 CHECKED BY: J.G.  
 APP'D BY: J.G.  
 JOB No. 2000-1381D

C:\Users\jgarcia\Documents\Projects\2013\2013\_07\_22\2013\_07\_22\_13\_16.dwg



UTILITY LOCATOR SERVICES	
EL PASO ELECTRIC COMPANY	(915) 543-5720
EL PASO ENERGY CORPORATION	(915) 496-5244
EL PASO WATER UTILITIES	(915) 594-5500
MCI SURVEILLANCE	(800) MCI-WORK
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SBC	(800) 545-6005
AT&T	(800) 852-3786
U.S. SPRINT TELECOMM	(800) 521-0579

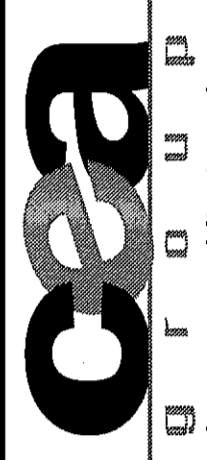
**WARNING I BEFORE YOU DIG**

CALL  
**1-800-DIG-TESS**  
**1-800-344-8377**

FOR FIELD LOCATING EXISTING UTILITIES

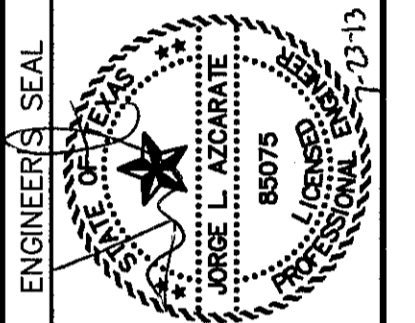
DATE	REVISIONS	BY

EXISTING CITY MONUMENT  
ELEVATION 4003.10 FEET (CITY DATUM)  
LOCATED AT THE CENTERLINE INTERSECTION OF  
PASADO ALLEGRE CIRCLE AND PASADO LINDO DRIVE.

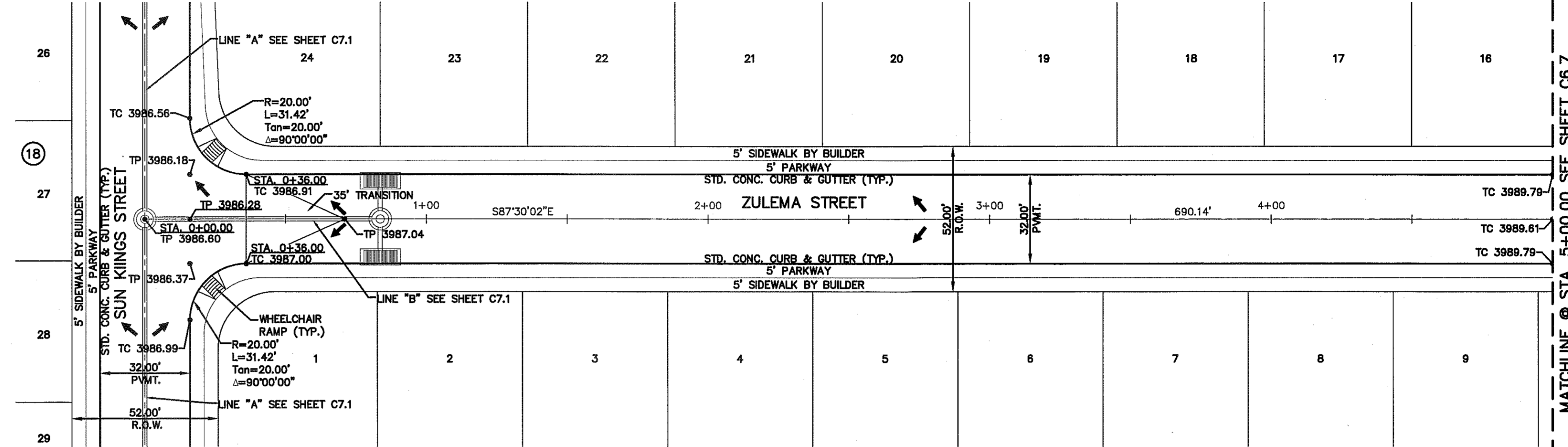
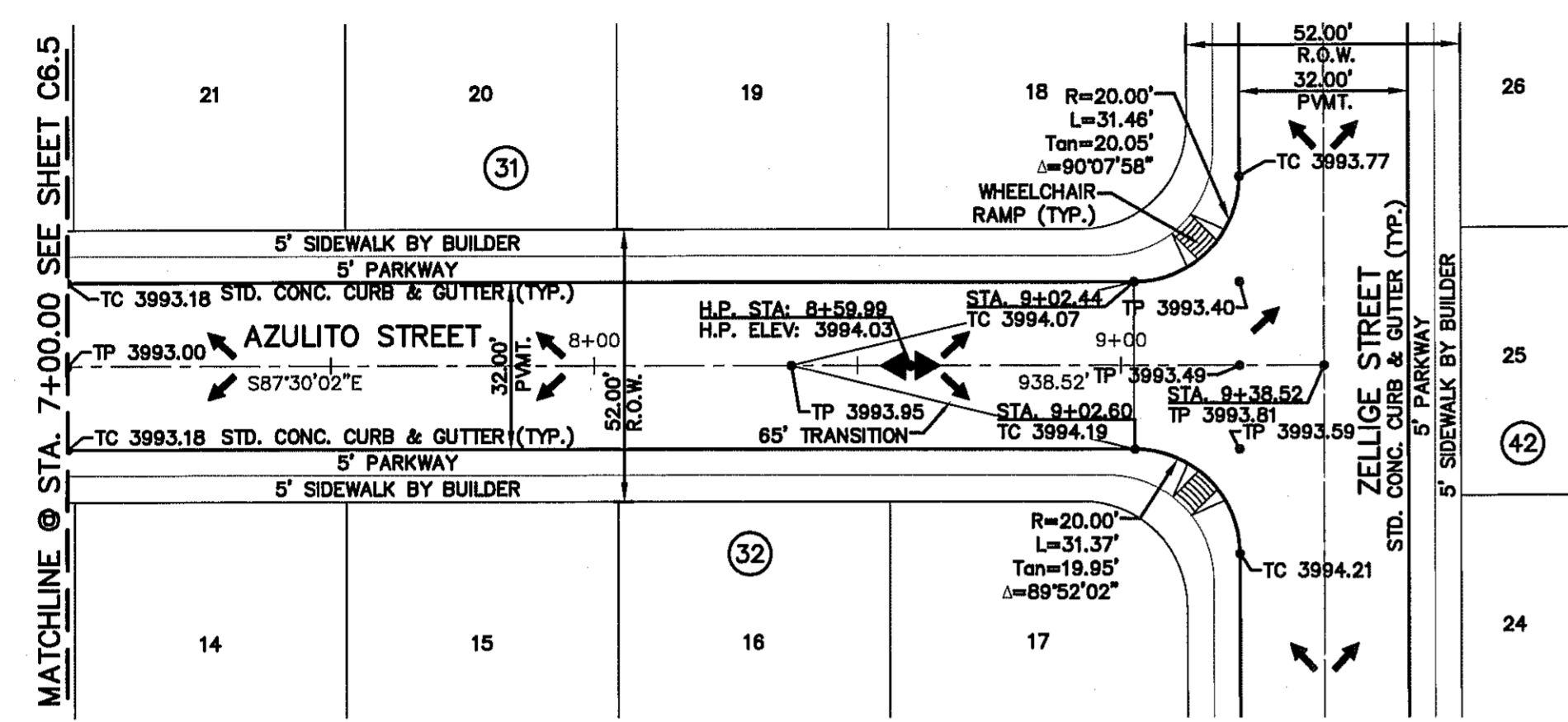


engineers • architects • planners  
TEXAS REGISTERED ENGINEERING FIRM #464  
4712 Woodrow Beam, Ste. F El Paso, TX 79924  
Office: 915.544.5232 Fax: 915.544.5233 www.csaonline.net

ENGINEER'S SEAL





JORGE L. AZCARATE  
68075  
86075

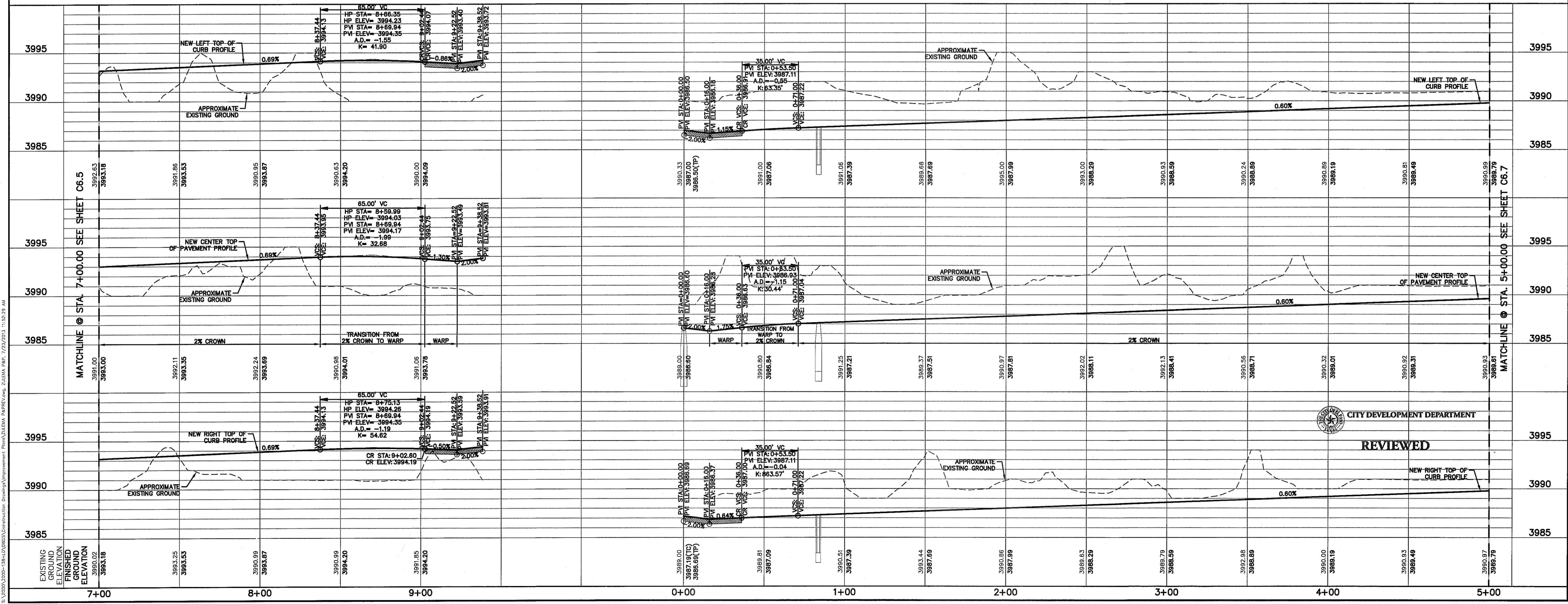


PLAN

PLAN

**LEGEND:**

-  WHEELCHAIR RAMP BY DEVELOPER.
-  PROFILE DEPICTS 6" DROP AT INTERSECTION CURB RETURNS. REFER TO PVI STATIONS FOR ACTUAL PAVEMENT ELEVATIONS.



SCALE: 1"=30'  
Horizontal: 1"=5'  
Vertical: 1"=5'

DATE: JULY 2013  
DESIGN BY: R.O.  
DRAWN BY: J.G.  
CHKD. BY: J.L.A.  
APPVD. BY: J.L.A.

JOB No. 2000-1381D

PROJECT TITLE

**MESQUITE TRAILS  
UNIT SEVEN  
SUBDIVISION IMPROVEMENTS**

CITY DEVELOPMENT DEPARTMENT

**REVIEWED**

SHEET TITLE  
**AZULITO STREET  
PLAN & PROFILE  
FROM STA. 7+00.00  
TO STA. 9+38.52**

**ZULEMA STREET  
PLAN & PROFILE  
FROM STA. 0+00.00  
TO STA. 5+00.00**

SHEET NO.

**C6.6**

C:\Users\jordan\Documents\Projects\Subdivision\Drawings\Improvement Plans\Zulema\_Plan\_Profile.dwg, Zulema\_Plan\_Profile.dwg, 7/27/2013 11:52:29 AM

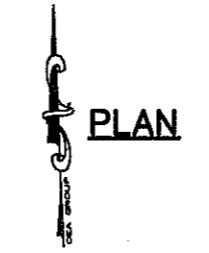
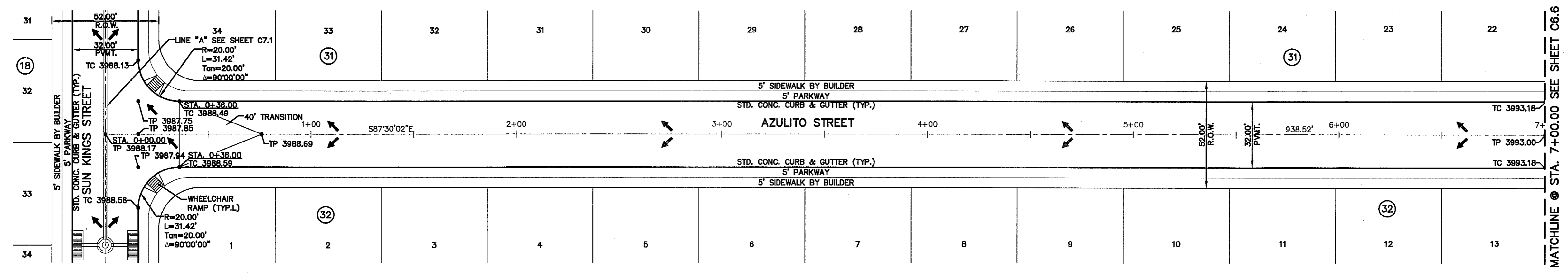


**UTILITY LOCATOR SERVICES**  
 EL PASO ELECTRIC COMPANY (915) 543-5720  
 EL PASO ENERGY CORPORATION (915) 496-5244  
 EL PASO WATER UTILITIES (915) 594-5500  
 MCI SURVEILLANCE (800) MCI-WORK  
 TIME WARNER COMMUNICATIONS (915) 772-1123  
 TEXAS GAS SERVICE (915) 680-7200  
 SBC (800) 545-6005  
 AT&T (800) 852-3786  
 U.S. SPRINT TELECOMM (800) 521-0579

**WARNING!**  
**BEFORE YOU DIG**  
 CALL  
 1-800-DIG-TESS  
 1-800-344-8377  
 FOR FIELD LOCATING EXISTING UTILITIES

REFERENCES - BENCHMARKS

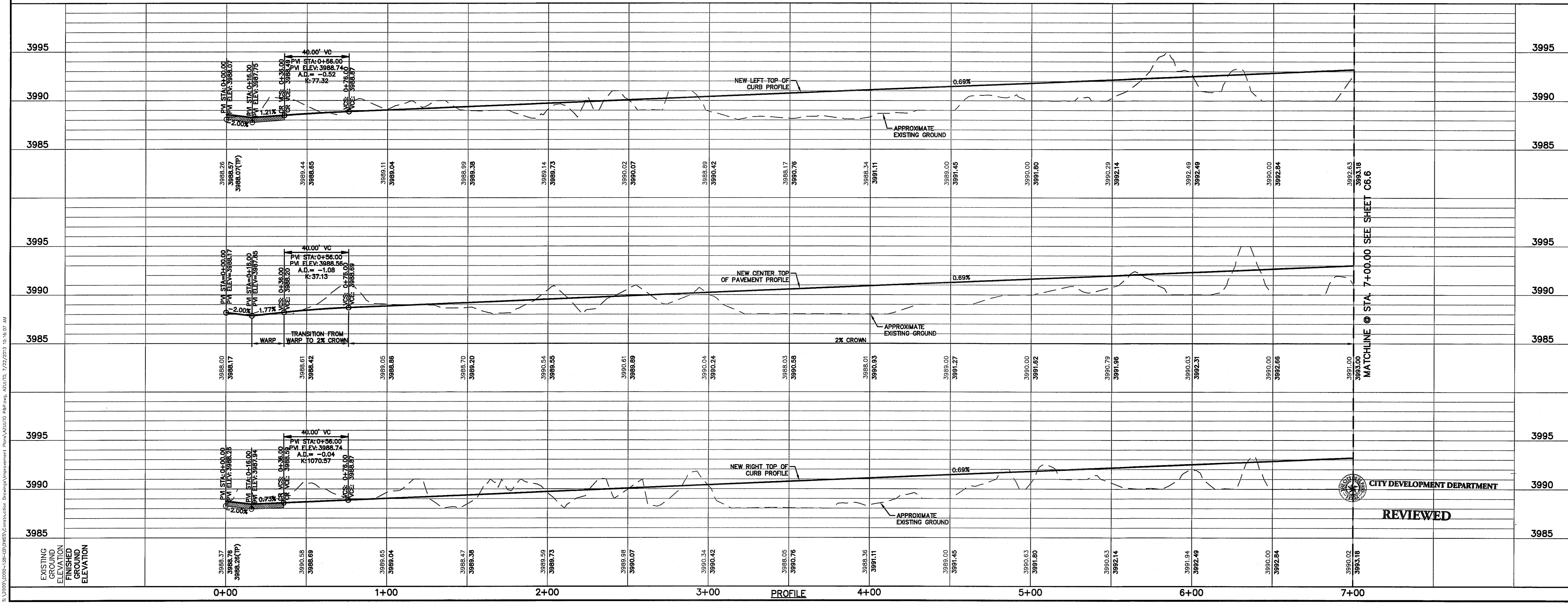
EXISTING CITY MONUMENT ELEVATION 4003.10 FEET (CITY DATUM) LOCATED AT THE CENTERLINE INTERSECTION OF PASO ALERE CIRCLE AND PASO LINDO DRIVE.	BY
DATE	REVISIONS



**LEGEND:**  
 WHEELCHAIR RAMP BY DEVELOPER.  
 PROFILE DEPICTS 6" DROP AT INTERSECTION CURB RETURNS. REFER TO PVI STATIONS FOR ACTUAL PAVEMENT ELEVATIONS.

**o&a**  
 engineers • architects • planners  
 TEXAS REGISTERED ENGINEERING FIRM F-464  
 4719 Woodlawn Park, Ste. F, El Paso, TX 79904  
 Office: 915.544.5222 Fax: 915.544.5223 www.oandagroup.com

ENGINEER'S SEAL



SCALE: Horizontal: 1"=30'  
 Vertical: 1"=5'  
 Contour Interval: N/A  
 DATE: JULY 2013  
 DESIGN BY: R.O.  
 DRAWN BY: J.L.A.  
 CHECK BY: J.L.A.  
 APP'D BY: J.L.A.  
 JOB No. 2000-1381D

PROJECT TITLE  
**MESQUITE TRAILS  
 UNIT SEVEN  
 SUBDIVISION IMPROVEMENTS**

SHEET TITLE  
**AZULITO STREET  
 PLAN & PROFILE  
 FROM STA. 0+00.00  
 TO STA. 7+00.00**

SHEET NO.  
**C6.5**

**REVIEWED**

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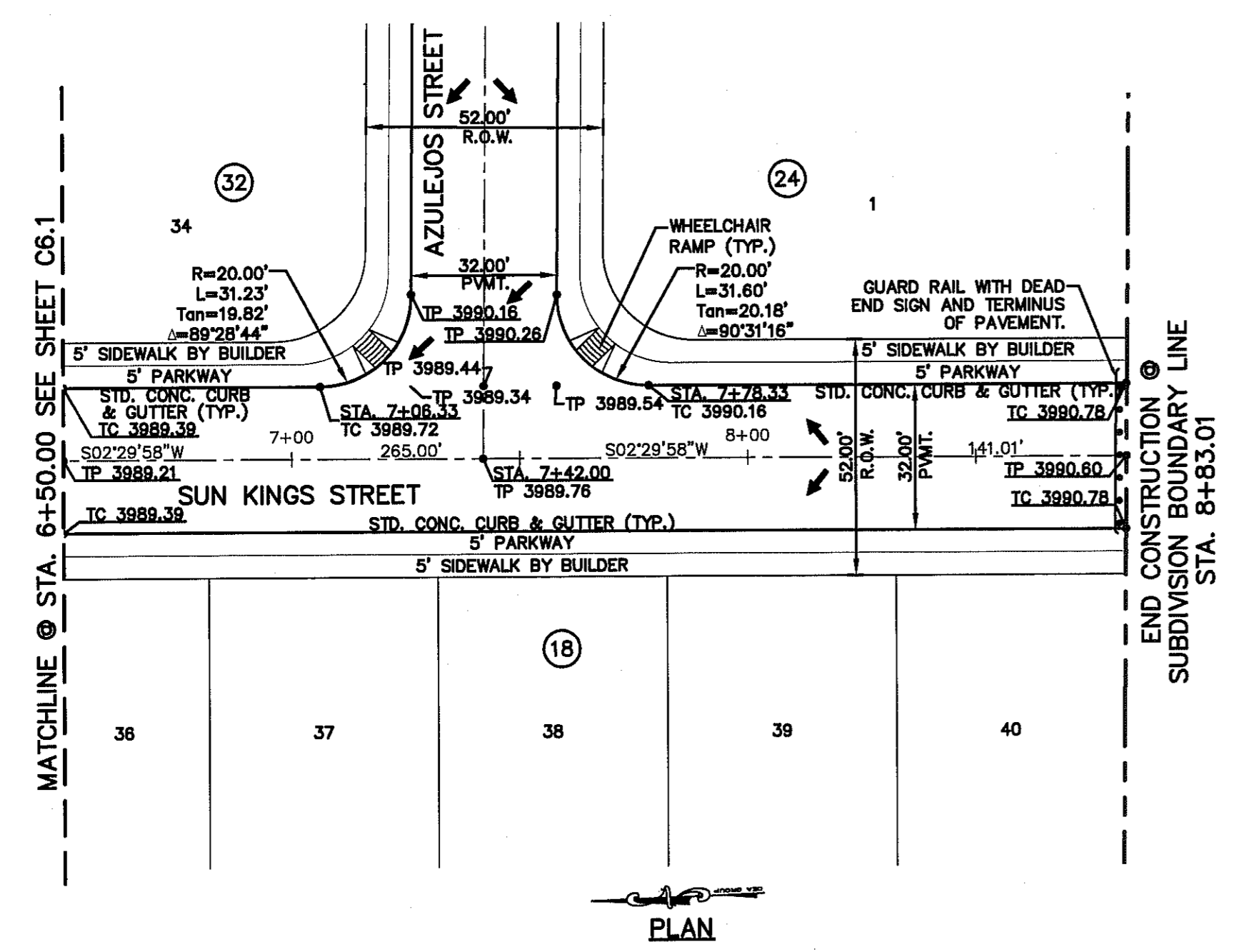
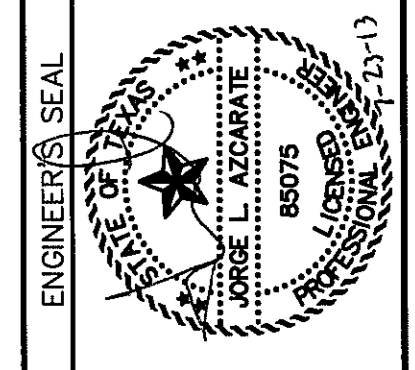
UTILITY LOCATOR SERVICES	
EL PASO ELECTRIC COMPANY	(915) 543-5720
EL PASO ENERGY CORPORATION	(915) 496-5244
EL PASO WATER UTILITIES	(915) 594-5500
MCI SURVEILLANCE	(800) MCI-WORK
TIME WARNER COMMUNICATIONS	(915) 772-1123
TEXAS GAS SERVICE	(915) 880-7200
SBC	(800) 545-6005
AT&T	(800) 852-3786
U.S. SPRINT TELECOMM	(800) 521-0579

**WARNING!**  
**BEFORE YOU DIG**

CALL  
1-800-DIG-TESS  
1-800-344-8377

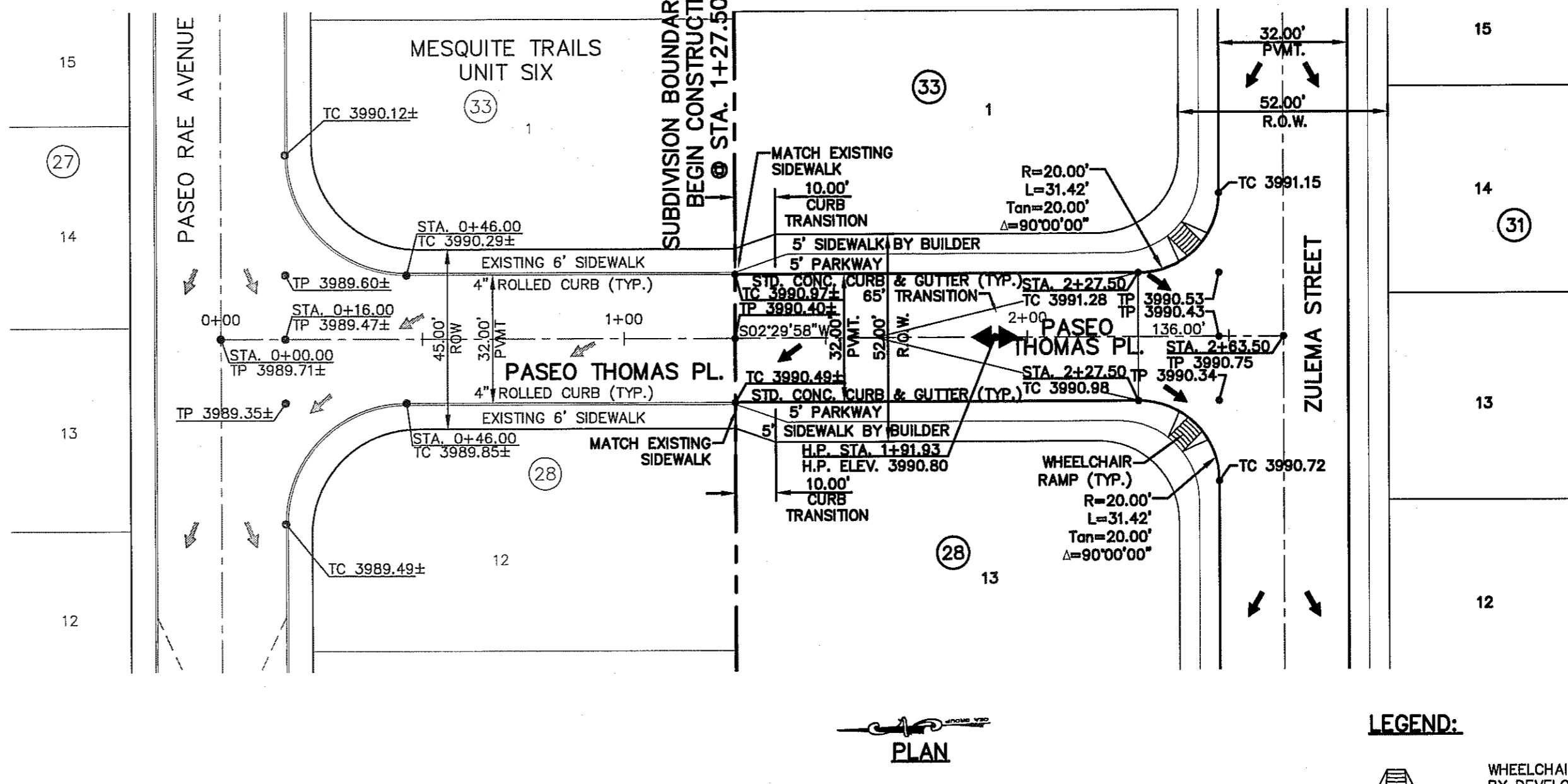
FOR FIELD LOCATING EXISTING UTILITIES

REFERENCES - BENCHMARKS	BY
EXISTING CITY MONUMENT ELEVATION 4003.10 FEET (CITY DATUM) LOCATED AT THE CENTERLINE INTERSECTION OF PASEO ALEGRE CIRCLE AND PASEO LINDO DRIVE	
DATE	REVISIONS



A PORTION OF SECTION No. 16,  
BLOCK 79, TOWNSHIP 3, TEXAS AND  
PACIFIC RAILWAY COMPANY SURVEYS  
EL PASO, EL PASO COUNTY, TEXAS

TRACT 1  
(PART OF SCHOOL FILE No. 145575)



**LEGEND:**

- WHEELCHAIR RAMP BY DEVELOPER.
- PROFILE DEPicts 6" DROP AT INTERSECTION CURB RETURNS. REFER TO PVI STATIONS FOR ACTUAL PAVEMENT ELEVATIONS.

EXISTING GROUND ELEVATION	FINISHED GROUND ELEVATION	PROFILE	EXISTING GROUND ELEVATION	FINISHED GROUND ELEVATION	PROFILE	EXISTING GROUND ELEVATION	FINISHED GROUND ELEVATION	PROFILE
3990.00	3989.39	7+00	3990.00	3989.39	7+00	3990.00	3989.39	7+00
3985.49	3989.89	8+00	3985.49	3989.89	8+00	3985.49	3989.89	8+00
3980.00	3989.89	9+00	3980.00	3989.89	9+00	3980.00	3989.89	9+00
3990.00	3989.89	0+00	3990.00	3989.89	0+00	3990.00	3989.89	0+00
3985.49	3989.89	1+00	3985.49	3989.89	1+00	3985.49	3989.89	1+00
3980.00	3989.89	2+00	3980.00	3989.89	2+00	3980.00	3989.89	2+00
3990.00	3989.89	3+00	3990.00	3989.89	3+00	3990.00	3989.89	3+00

SCALE: 1"=30'  
Horizontal: 1"=50'  
Vertical: 1"=5'  
Contour Interval: N/A

DATE: JULY 2013  
DESIGN BY: R.O.  
DRAWN BY: R.O.  
CHKD. BY: J.G.  
APPROV. BY: J.L.A.  
JOB No. 2000-1361.D

PROJECT TITLE

**MESQUITE TRAILS UNIT SEVEN**

**SUBDIVISION IMPROVEMENTS**

SHEET TITLE

SUN KINGS STREET PLAN & PROFILE FROM STA. 6+50.00 TO STA. 8+83.01

PASEO THOMAS PL. PLAN & PROFILE FROM STA. 0+00.00 TO STA. 2+63.50

SHEET NO.

**C6.2**



UTILITY LOCATOR SERVICES	
EL PASO ELECTRIC COMPANY	(915) 543-5720
EL PASO ENERGY CORPORATION	(915) 496-5244
EL PASO WATER UTILITIES	(915) 594-5500
MCI SURVEILLANCE	(800) MCI-WORK
TIME WARNER COMMUNICATIONS	(915) 772-1123
TEXAS GAS SERVICE	(915) 680-7200
SBC	(800) 545-6005
AT&T	(800) 852-3786
U.S. SPRINT TELECOMM	(800) 521-0579

**WARNING!**  
**BEFORE YOU DIG**

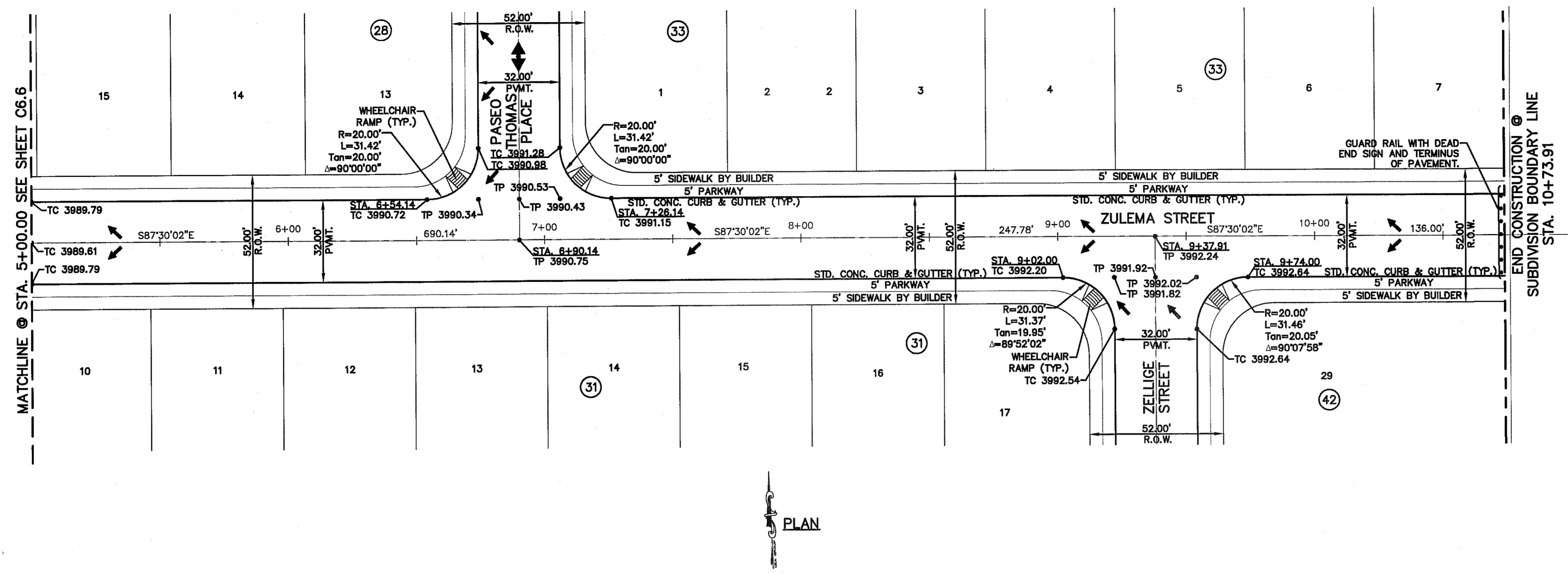
CALL  
1-800-DIG-TESS  
1-800-344-8377

FOR FIELD LOCATING EXISTING UTILITIES

DATE	REVISIONS	BY

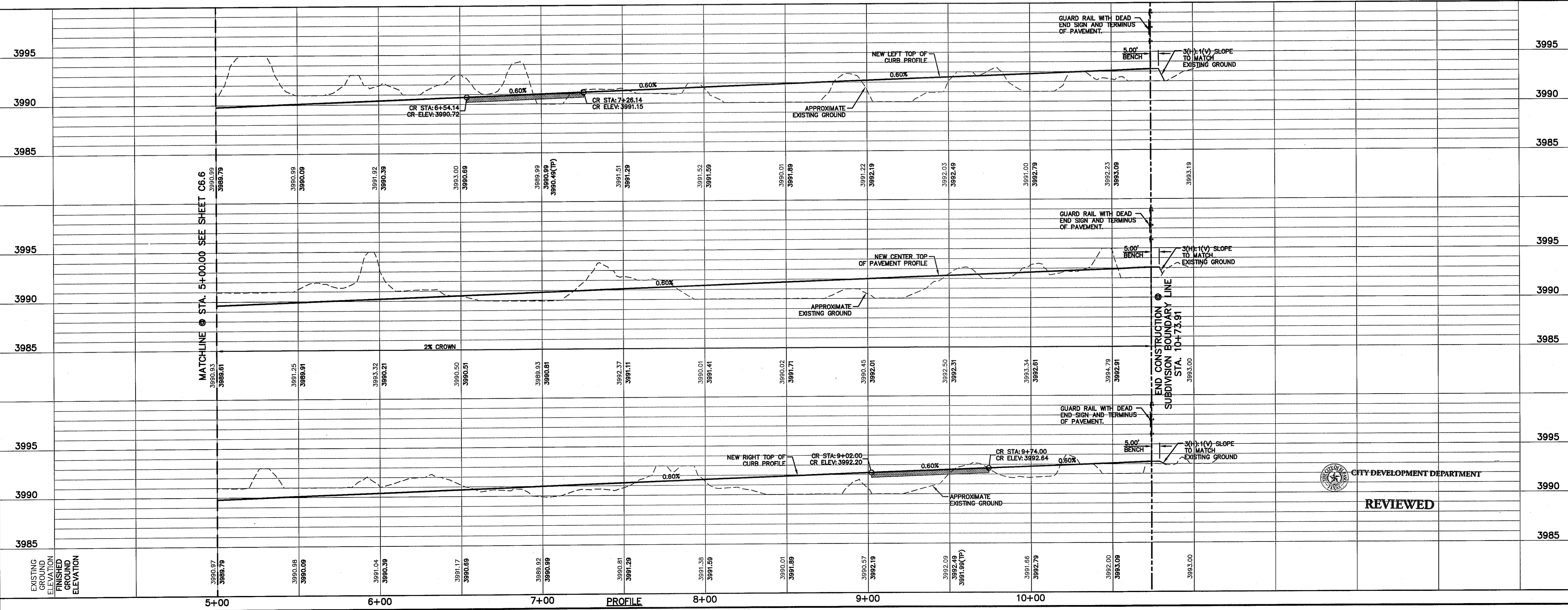
EXISTING CITY MONUMENT  
ELEVATION 4003.10 FEET (CITY DATUM)  
LOCATED AT THE CENTERLINE INTERSECTION OF  
PASO ALEGRE CIRCLE AND PASO UNDO DRIVE.

**CS&A**  
ENGINEERS • ARCHITECTS • PLANNERS  
TEXAS REGISTERED ENGINEERING FIRM F-454  
4712 Woodrow Bevan, Ste. F El Paso, TX 79904  
Office: 915.544.5332 Fax: 915.544.5333 www.csandae.com



A PORTION OF SECTION No. 15,  
BLOCK 79, TOWNSHIP 3, TEXAS AND  
PACIFIC RAILWAY COMPANY SURVEYS  
EL PASO, EL PASO COUNTY, TEXAS  
DOC# 20090045430

- LEGEND:**
- WHEELCHAIR RAMP BY DEVELOPER.
  - PROFILE DEPICTS 6" DROP AT INTERSECTION CURB RETURNS. REFER TO PM STATIONS FOR ACTUAL PAVEMENT ELEVATIONS.



**PROJECT TITLE**  
MESQUITE TRAILS  
UNIT SEVEN  
SUBDIVISION IMPROVEMENTS

**SHEET TITLE**  
ZULEMA STREET  
PLAN & PROFILE  
FROM STA. 5+00.00  
TO STA. 10+73.91

**SHEET NO.**  
C6.7

SCALE: 1"=30'  
Horizontal:  
Vertical: 1"=5'  
Contour Interval: N/A

DATE: JULY 2013  
DESIGN BY: R.O.  
DRAWN BY: J.G.  
APP'D. BY: J.L.A.

JULY 2013  
JOSÉ L. AZARATE  
80075  
REGISTERED PROFESSIONAL ENGINEER

CITY DEVELOPMENT DEPARTMENT  
**REVIEWED**

SA:\2010\2013-Sub-UD\PMCA\Construction Drawings\Improvement Plans\Zulema Streets\Plan\Zulema Streets\Profile.dwg, JUL 23, 2013, 10:28:50 AM