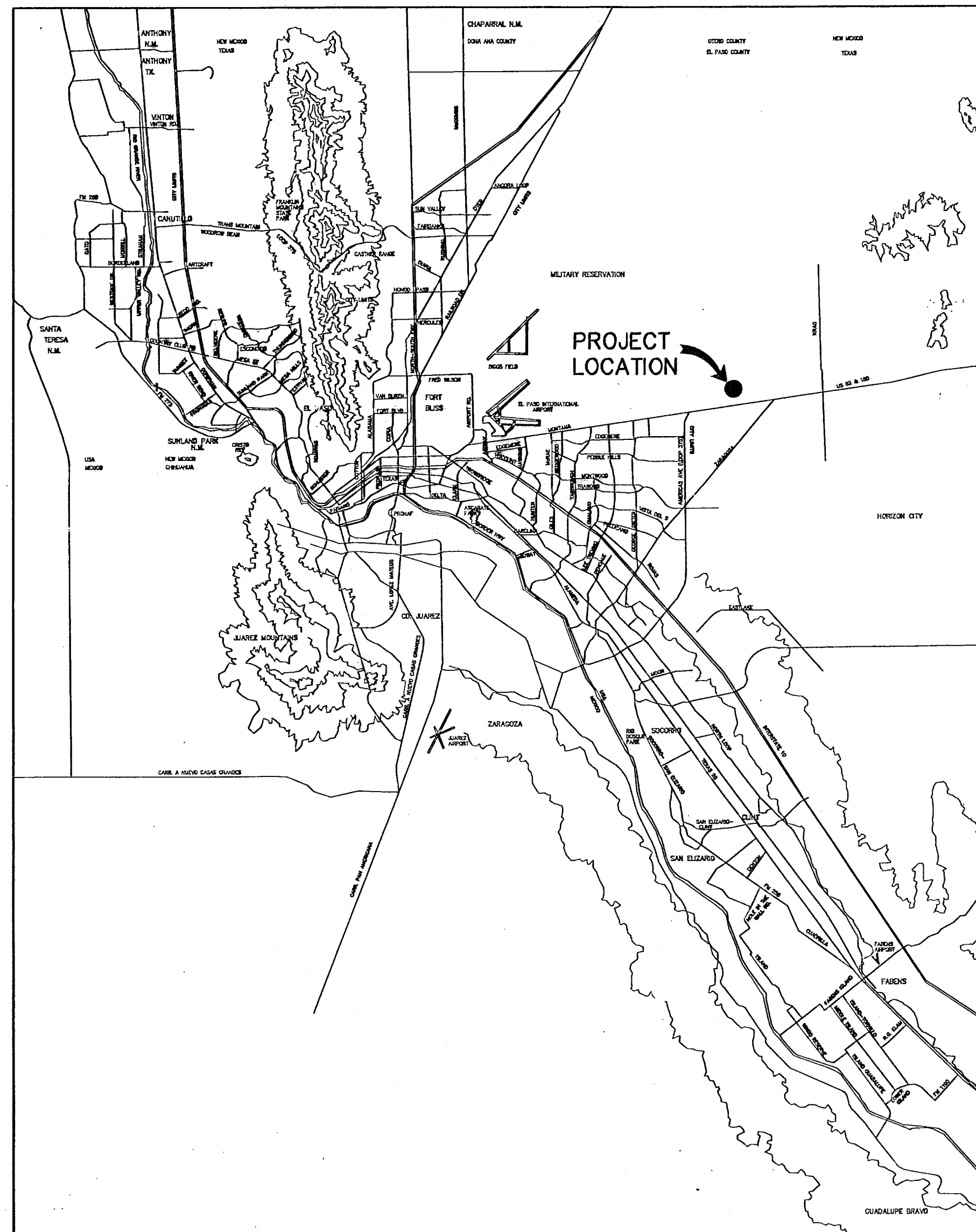


# TRES SUEÑOS UNIT THREE

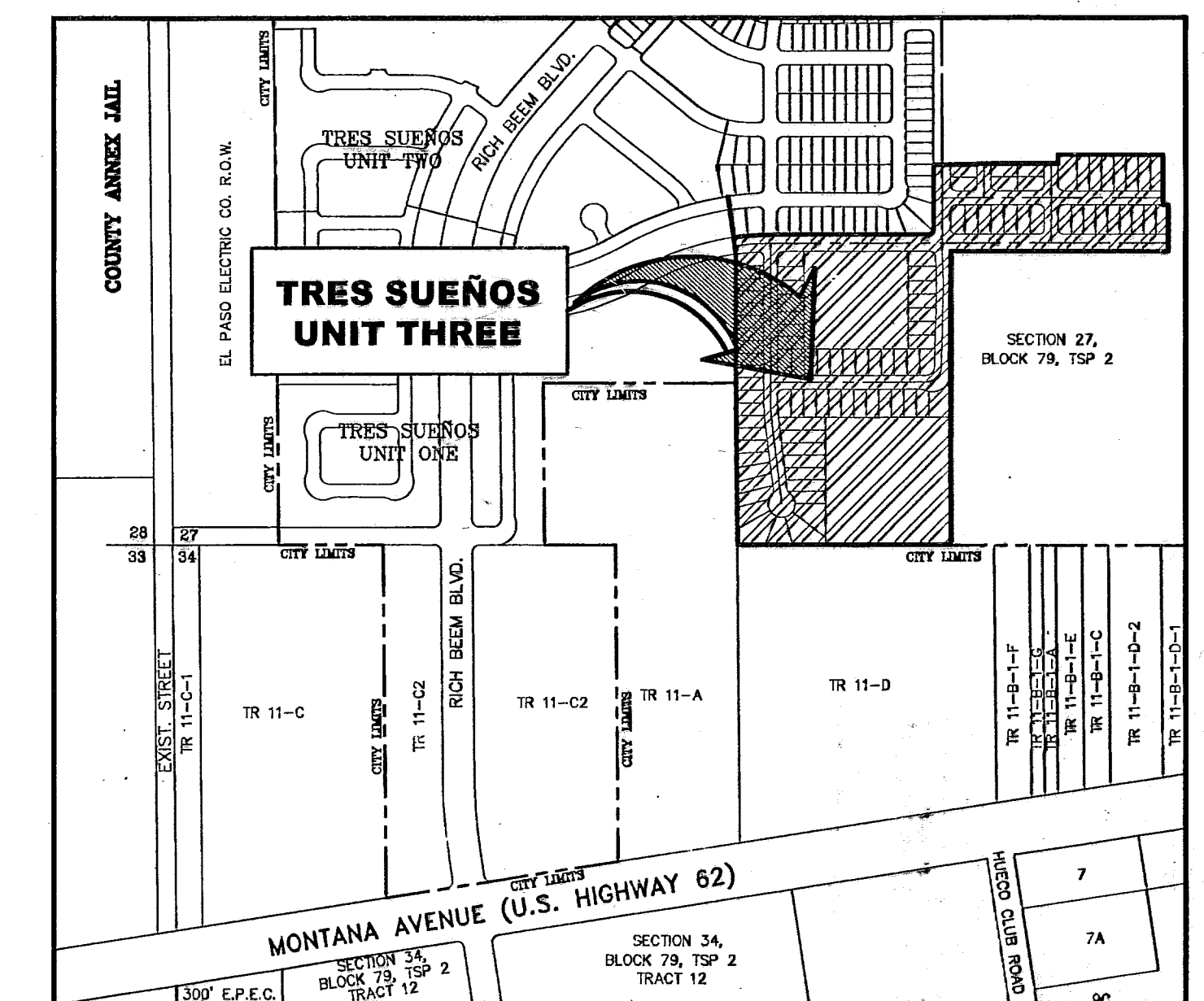
## SUBDIVISION IMPROVEMENTS

BEING TRACT 1-B SECTION 26, TRACT 11C-2, SECTION 34,  
TRACT 4 SECTION 35, AND A PORTION OF SECTION 27, BLOCK  
79, TOWNSHIP 2, TEXAS AND PACIFIC RAILROAD CO. SURVEYS,  
CITY OF EL PASO, EL PASO COUNTY, TEXAS  
CONTAINING: 27.819± ACRES

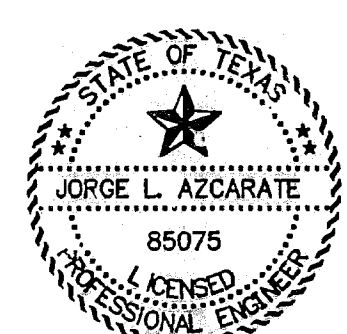
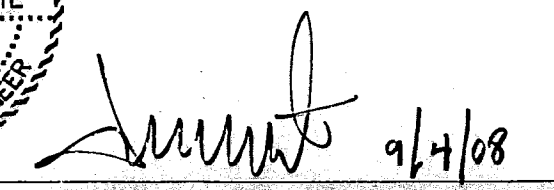


**VICINITY MAP**  
APPROXIMATE SCALE:  
1" = 2 MILES

SHEET NUMBER	SHEET TITLE
CVR,1	COVER SHEET, GENERAL INFORMATION
2	FINAL PLAT
3,4	GRADING / DRAINAGE PLAN
5,5A	GRADING SECTIONS
6-13	STREET PLAN & PROFILES
14-16	STORM SEWER PLAN & PROFILES
17-19	STANDARD DETAILS
20,21	DRAINAGE DETAILS
22	ILLUMINATION PLAN
23	POND DESIGN PLAN
24-26	SWPPP



**LOCATION MAP**  
SCALE: 1" = 2000'

  
  
 JORGE L. AZCARATE, P.E. PROJECT MANAGER

  
 engineers • architects • planners  
 1204 Montana Ave., El Paso, Texas 79902  
 Office 915.544.5222 Fax 915.544.5233  
 www.ceagroup.net

**PRINCIPAL CONTACTS:**

	NAME	ADDRESS	CITY & ZIP	PHONE	FAX
<b>OWNER:</b>	CAREFREE LAND L.T.D.	1560 GOODYEAR DR.	EL PASO, 79936	(915) 590-8511	(915) 591-3813
<b>ENGINEER:</b>	CEA ENGINEERING GROUP	1204 MONTANA AVE.	EL PASO, 79902	(915) 544-5232	(915) 544-5233
<b>SURVEYOR:</b>	BARRAGAN & ASSOCIATES	1450 PENDALE ROAD, SUITE B	EL PASO, 79936	(915) 591-5709	(915) 591-5706

**RECORD DRAWINGS**  
 THESE RECORD DOCUMENTS HAVE BEEN PREPARED BASED ON INFORMATION PROVIDED BY OTHERS. CEA GROUP HAS NOT VERIFIED THE ACCURACY AND/OR COMPLETENESS OF THIS INFORMATION AND SHALL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS THAT MAY BE INCORPORATED AS A RESULT OF ERRONEOUS INFORMATION PROVIDED BY OTHERS.  
 8/18/08

TRES SUEÑOS UNIT THREE				
COVER SHEET				
DATE PREPARED	DRAWN BY:	DESIGN BY:	CHECKED BY:	APPROVED BY:
AUGUST 2007	RAUL ORTEGA	RAUL ORTEGA	JORGE L. AZCARATE	JORGE L. AZCARATE
REVISION NUMBER	SHEET NAME OR NUMBER	DESCRIPTION OF REVISION	DATE OF REVISION	REVISION APPROVED BY:



**GENERAL NOTES**

1. THE CONTRACTOR SHALL VISIT AND FAMILIARIZE HIMSELF WITH THE PROJECT SITE PRIOR TO SUBMITTING BIDS.
2. IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE AUTOMOBILE AND PEDESTRIAN ACCESS TO THE USER AT ALL TIMES, INCLUDING SATURDAYS, SUNDAYS, AND HOLIDAYS. THIS INCLUDES, BUT IS NOT LIMITED TO DRIVEWAYS, STREETS, PARKING, AND WALKWAYS. THIS REQUIREMENT SHALL BE FULFILLED AT NO EXTRA COST TO THE OWNER.
3. 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.
4. 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. SERVICE SHALL BE PROVIDED TO USER AT ALL TIMES.
5. IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO SCHEDULE AND PERFORM WORK SO AS TO ASSURE PROPER PASSAGE OF STORM RUNOFF DURING THE COURSE OF THE 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.
6. THE CONTRACTOR SHALL COORDINATE THE CONSTRUCTION SCHEDULE WITH THE USER, ALL UTILITIES, AND ALL OTHER AGENCIES WITH JURISDICTION OVER THE PROJECT.
7. 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.
8. 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.
9. ALL ELEVATIONS ARE TO CITY OF EL PASO DATUM, UNLESS OTHERWISE NOTED.
10. VIBRATORY ROLLERS WILL NOT BE PERMITTED ON ANY PHASE OF THIS PROJECT, UNLESS APPROVED IN WRITING BY THE ENGINEER.
11. ALL WORK REQUIRED BY THESE PLANS SHALL BE CONDUCTED IN CONFORMANCE WITH CURRENT SAFETY CODES AND STANDARDS WITH JURISDICTION OVER THE PROJECT.
12. THE LOCATION OF THE FLUMES AND INLETS SHALL BE AT THE FIELD LOW POINT AND APPROVED BY THE ENGINEER.
13. IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO OBTAIN THE FINAL APPROVED SUBDIVISION PLANS PRIOR TO COMMENCING ANY CONSTRUCTION WORK.

**GRADING SPECIFICATIONS**

1. 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.
2. SATISFACTORY FILL MATERIALS: FILL MATERIALS SHALL BE FREE OF ANY ORGANIC OR DELETERIOUS SUBSTANCE AND SHALL NOT CONTAIN ROCKS OR LUMPS OVER THREE (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. OR UNLESS OTHERWISE APPROVED BY THE DESIGN ENGINEER, GEOTECHNICAL ENGINEER OR CITY ENGINEER.
3. 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 TWELVE (12)
4. EXCAVATION: IS UNCLASSIFIED AND INCLUDES EXCAVATION TO ELEVATIONS INDICATED, REGARDLESS OF CHARACTER OF MATERIAL AND OBSTRUCTIONS ENCOUNTERED.
5. 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 SIX (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 ONE (1) VERTICAL TO FOUR (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.
6. PLACEMENT OF FILL: PLACE BACKFILL AND FILL MATERIALS IN LAYERS NOT MORE THAN EIGHT (8) INCHES IN LOOSE DEPTH FOR MATERIAL COMPACTED BY HEAVY COMPACTION EQUIPMENT, AND NOT MORE THAN FOUR (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 D1557.
7. 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 TWO (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.
8. 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 IS REQUIRED DURING THE GRADING OPERATIONS TO ENSURE GRADING WORK IN ACCORDANCE WITH THIS PLAN AND SPECIFICATIONS.

**LEGEND**

	SUBDIVISION BOUNDARY		FINISHEI SPOT ELEVATION
	ROW LINE		LOT FINISHED GROUND ELEVATION
	CURB LINE		TOP OF CURB ELEVATION
	PROPERTY LINE		TOP OF PAVEMENT ELEVATION
	STREET CENTERLINE		SUBDIVISION LOT AND BLOCK NUMBER
	EASEMENT LINE		DRAINAGE FLOW
	MATCH LINE		STORM SEWER LINE FLOW
	STORM SEWER LINE		HIGH POINT
	HIGH WATER MARK		LOW POINT
	CURB AND GUTTER DROP INLET		EXISTING HIGH POINT
	STORM SEWER MANHOLE		EXISTING LOW POINT
	FINISHED GROUND CONTOUR ELEVATION (INDEX)		HEADWALL WITH WINGWALLS
	FINISHED GROUND CONTOUR ELEVATION (INTERMEDIATE)		DRAINAGE AREA
	EXISTING GROUND CONTOUR ELEVATION (INDEX)		HORIZONTAL:VERTICAL SLOPE RATIO
	EXISTING GROUND CONTOUR ELEVATION (INTERMEDIATE)		APPROXIMATE BASE FLOOD ELEVATION (NATIONAL GEODETIC VERTICAL DATUM, NGVD). TO CONVERT TO CITY OF EL PASO DATUM FROM NGVD, SUBTRACT 8.462- FEET.
	NEW RETAINING ROCKWALL (3'-9' IN HEIGHT)		APPROXIMATE AREA OF 100 YEAR FLOOD, AS PER FIRM PANEL NO. 480214-0016-C (FEBRUARY 5, 1986)
	EXISTING RETAINING ROCKWALL		WHEELCHAIR RAMP
	NEW RETAINING ROCKWALL (2'-3' IN HEIGHT)		
	EXISTING ELECTRICAL LINE		

**ABBREVIATIONS**

LP	LOW POINT
HP	HIGH POINT
ELEV	ELEVATION
STA	STATION
VCS	VERTICAL CURVE STATION
VCE	VERTICAL CURVE ELEVATION
TC	TOP OF CURB
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
RCPP	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
S	SLOPE
TEMP	TEMPORARY
V	VELOCITY IN FEET PER SECOND
HGL	HYDRAULIC GRADE LINE
HWE	HIGH WATER ELEVATION

**RECORD DRAWINGS**

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8/18/08

**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) 852-3788
U.S. SPRINT TELECOMM	(800) 521-0579
STREET DEPT. - SIGNAL & SIGN	(915) 621-6750
(AFTER HOURS)	(915) 240-3220

**WARNING I BEFORE YOU DIG**

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

REFERENCES - BENCHMARKS
CITY MONUMENT AT POINT OF CURVE
CENTERLINE RICH BEEM BLVD. S08+42.31' E
A DISTANCE OF 467.53 FEET FROM THE
SOUTHERLY RIGHT OF WAY LINE OF
MONTANA AVENUE CITY DATUM
ELEVATION.....4005.40
DATE
REVISIONS
BY

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**oea**  
OEA GROUP  
engineers • architects • planners

1204 Montana Ave., El Paso, Texas 79902  
Office 915.544.5232 Fax 915.544.5233  
www.oeaengr.com

ENGINEER'S SEAL

SCALE: N/A

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

DATE: AUGUST 2007  
DESIGN BY: R.O.  
DRAWN BY: J.M.  
CHKD. BY: J.L.A.  
APP'D. BY: J.L.A.  
JOB No. 2250-07-10

**TRES SUEÑOS UNIT THREE  
SUBDIVISION IMPROVEMENTS**

SHEET TITLE

GENERAL INFORMATION

SHEET NO.

1

OF 26

600828



# TRES SUEÑOS UNIT THREE AMENDING PLAT

BEING TRACT 1-B SECTION 26, TRACT 11C-2, SECTION 34, TRACT 4 SECTION 35, AND A PORTION OF SECTION 27, BLOCK 79, TOWNSHIP 2, TEXAS AND PACIFIC RAILROAD CO. SURVEYS, CITY OF EL PASO, EL PASO COUNTY, TEXAS CONTAINING: 27.819± ACRES

### DEDICATION

CISCO Homes L.L.C., and the City of El Paso, 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, ponding area, pedestrian walkway, drainage easement, PSB easement, and utility easements as hereon laid down and designated, including easements for overhead service wires for pole type utilities and the right for installation of service poles alongside lot lines as may be required, easements for buried service wires, conduits and pipes for underground utilities, and the right to ingress and egress for service and construction, and the right to trim interfering trees and shrubs.

Witness my signature this \_\_\_\_\_ day of \_\_\_\_\_ 2008.

Frank Arroyo, President  
CISCO Homes L.L.C.

Witness my signature this \_\_\_\_\_ day of \_\_\_\_\_ 2008.

Joyce Wilson  
City Manager

### ACKNOWLEDGEMENT

STATE OF TEXAS  
COUNTY OF EL PASO

Before me, the undersigned authority, on this day personally appeared Frank Arroyos, 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 20<sup>th</sup> day of May 2008.

Notary Public in and for El Paso County

### ACKNOWLEDGEMENT

STATE OF TEXAS  
COUNTY OF EL PASO

Before me, the undersigned authority, on this day personally appeared Joyce Wilson, City Manager of the City of El Paso, 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 22<sup>nd</sup> day of May 2008.

Notary Public in and for El Paso County

### AMENDING PLAT APPROVAL STATEMENT

This subdivision is hereby approved in accordance with Chapter 212.0065 (AMENDING PLAT) of the Local Government Code of Texas Municipal Code Section 19.08.070 as to meeting the requirements for a review of an amending plat.

Executive Secretary Philip Stone Subdivision Coordinator Eduardo Juris  
City Plan Commission

Approved for filing this 23<sup>rd</sup> day of May 2008A.D.

Development Services Director

### FILING

Filed and recorded in the office of the County Clerk of El Paso County, Texas, this 30 day

of May 2008, in Volume 20080043577 of the Plat Records,

County Clerk

By Deputy

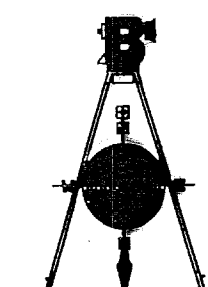
Subdivision Improvement plans prepared by and under the supervision of CEAGroup.  
This plat represents a survey made on the ground by me or under my supervision and complies with the current Texas Board of Professional Land Survey Professional and Technical Standards.

JORGE L. AZCARATE, P.E.  
Licensed Professional Engineer  
Texas License No. 65075

BENITO BARRAGAN, R.P.L.S. Texas, No. 5615



SURVEYOR  
**Barragan & Associates**  
LAND PLANNING & LAND SURVEYING  
1450 Pendola Road Suite B - El Paso, TX 79938  
Phone (915) 591-5709 Fax (915) 591-5709  
CONTACT: BENITO BARRAGAN, R.P.L.S.



DATE PREPARED: 12-18-06  
DATE REVISED: 06/05/07  
DATE REVISED: 06/27/07  
DATE REVISED: 04/23/08

600828

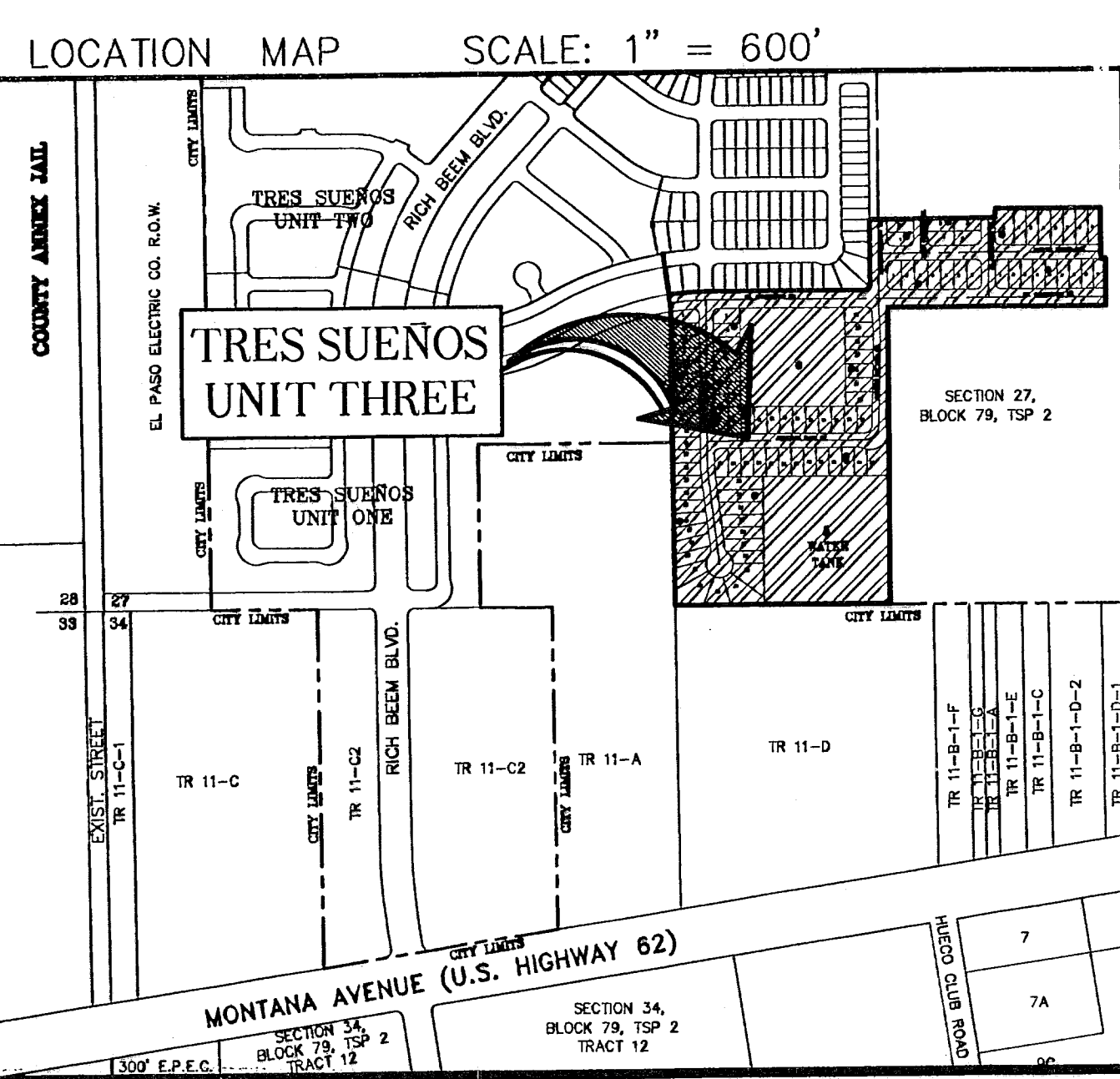
(REC. 148.76 ACRES)  
BOOK 2104, PAGE 0085

(REC. 7.984 ACRES)  
PAGE 3307, PAGE 1207

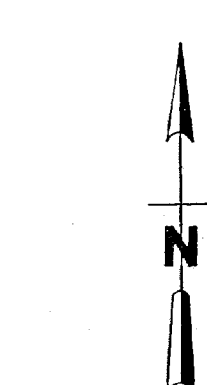
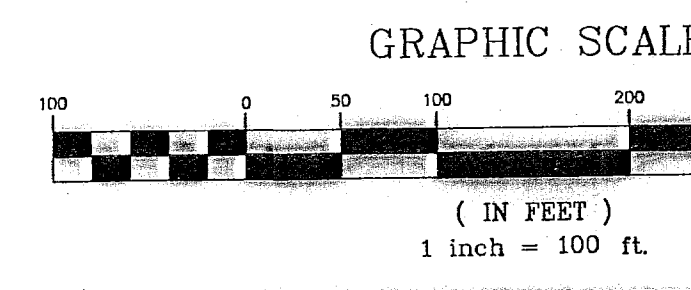
PAGE 3476, PAGE 1104

(REC. 51.33 ACRES)  
BOOK 2857, PAGE 0641

**AMENDING REASON:**  
REVISION TO LOTS 1-46 BLOCK 1, TO BE LOTS 21-66 BLOCK 6.  
REVISION TO BLOCK 2 TO BE BLOCK 19.  
REVISION TO BLOCK 3 TO BE BLOCK 20.  
REVISION TO BLOCK 4 TO BE BLOCK 21.  
REVISION TO BLOCK 5 TO BE BLOCK 24.  
REVISION TO BLOCK 6 TO BE BLOCK 23.  
REVISION TO BLOCK 7 TO BE BLOCK 22.  
REVISION TO HUGO REYES DR. TO BE HUGO REYES ST.  
REVISION TO ADDRESS NUMBERS OF LOTS 1-7, BLOCK 20, LOTS 1-9, BLOCK 21 AND LOTS 1-8, BLOCK 22 TO BEGIN WITH 14000 SERIES.  
REVISION TO ADDRESS NUMBER OF LOTS 53-65, BLOCK 6 AND LOTS 8-19, BLOCK 19 TO BEGIN WITH 13000 SERIES.

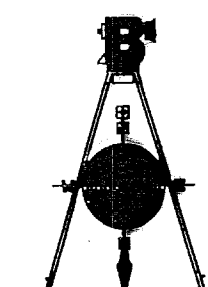


- NOTES:**
- THIS IS TO CERTIFY THAT WATER AND SEWER SERVICES WILL BE PROVIDED TO TRES SUEÑOS UNIT THREE BY THE EL PASO WATER UTILITIES/PUBLIC SERVICE BOARD IN ACCORDANCE WITH THEIR RULES AND REGULATIONS AND WITH SECTION 16.343 OF THE TEXAS WATER CODE. WATER AND SEWER SERVICES WILL BE EXTENDED TO THE SUBDIVISION FROM EXISTING FACILITIES LOCATED IN GR CAMPUZANO DRIVE, 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. 20080043578, 20080043579, 20080043580, 20080043581
  - INTERIOR LOT CORNERS WILL BE SET UPON COMPLETION OF CONSTRUCTION OF ROADWAYS AND UTILITIES.
  - THIS SUBDIVISION LIES WITH IN ZONE "X", AS DESIGNATED IN PANEL NO. 480212 0175 B, DATED SEPTEMBER 4 1991, OF THE FLOOD INSURANCE RATE MAPS, EL PASO COUNTY, TEXAS. ZONE "X" INDICATES AREAS DETERMINED TO BE OUTSIDE 500-YEAR FLOODPLAIN.
  - THIS SYMBOL REPRESENTS 2"Ø REBAR WITH CAP SET AT ALL EXTERIOR BOUNDARY CORNERS.
  - VEHICULAR ACCESS TO THOSE RESIDENTIAL LOTS ABUTTING GR. CAMPUZANO, AND ANDREW WISEMAN ST., SHALL BE FROM OTHER DEDICATED STREETS ONLY. THE INSTRUMENT ASSURING RELEASE OF ACCESS IS FILED IN THE OFFICE OF THE COUNTY CLERK, DEED AND RECORD SECTION. INSTRUMENT No. 20070114311, 20080043582
  - RESTRICTIVE COVENANTS FOR THIS SUBDIVISION ARE FILED IN THE OFFICE OF THE COUNTY CLERK, DEED AND RECORD SECTION. INSTRUMENT No. M/A



GRAPHIC SCALE  
( IN FEET )  
1 inch = 100 ft.

ENGINEER  
**CEAGroup**  
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4112 Woodrow Bean, Ste. F El Paso, TX 79924  
Office: 915.544.5232 Fax: 915.544.5233 www.ceagroup.net  
CONTACT: JORGE L. AZCARATE, P.E.



SURVEYOR  
**Barragan & Associates**  
LAND PLANNING & LAND SURVEYING  
1450 Pendola Road Suite B - El Paso, TX 79938  
Phone (915) 591-5709 Fax (915) 591-5709  
CONTACT: BENITO BARRAGAN, R.P.L.S.

**LINE TABLE**

LINE	BEARING	LENGTH
L1	N89°04'25"W	64.00'
L2	N00°00'11"E	2.77'
L3	N00°00'11"E	8.52'
L4	S89°59'49"E	18.75'
L5	N00°00'11"E	27.38'
L6	S06°45'07"E	2.20'
L7	N06°45'07"W	13.83'
L8	S89°59'22"E	14.12'
L9	S04°04'55"E	41.92'
L10	S02°21'12"E	86.70'
L11	S00°00'11"W	6.53'
L12	S06°45'07"E	6.14'
L13	N00°00'11"E	13.13'

**CURVE TABLE**

CURVE	RADIUS	LENGTH	TANGENT	CHORD	BEARING	DELTA
C1	1032.00'	145.48'	72.88'	145.35'	N85°57'53"E	80°43'36"
C2	20.00'	31.42'	20.00'	28.28'	N45°00'11"E	90°00'00"
C3	375.00'	44.41'	22.13'	44.19'	S03°22'28"E	6°45'18"
C4	1000.00'	135.56'	68.09'	135.86'	S89°49'17"W	7°47'24"
C5	1000.00'	5.00'	2.50'	5.00'	S89°59'15"W	0°17'11"
C6	375.00'	14.48'	7.24'	14.47'	S01°43'51"E	2°12'42"
C7	375.00'	25.08'	12.55'	25.08'	N00°26'14"W	3°49'55"
C8	56.00'	86.53'	54.58'	78.17'	N45°44'38"E	88°31'49"
C9	968.00'	84.35'	42.20'	84.32'	S84°25'22"W	4°59'34"
C10	20.00'	15.91'	8.40'	15.49'	N70°17'49"W	45°34'04"
C11	401.00'	39.01'	19.52'	39.00'	S03°57'54"E	5°34'28"
C12	20.00'	17.58'	8.79'	16.56'	N18°03'27"E	38°15'20"
C13	50.00'	30.25'	15.01'	29.79'	N72°22'12"W	54°35'57"
C14	50.00'	33.92'	17.64'	33.27'	S11°56'05"E	38°51'56"
C15	50.00'	31.16'	16.10'	30.66'	S49°13'14"E	35°42'20"
C16	50.00'	33.05'	17.15'	32.45'	S66°00'31"E	37°52'15"
C17	50.00'	33.05'	17.15'	32.45'	N56°07'14"E	37°52'15"
C18	50.00'	33.38'	17.34'	32.77'	N18°03'27"E	38°15'20"
C19	50.00'	47.65'	28.81'	45.56'	N28°22'12"W	54°35'57"
C20	20.00'	6.72'	3.39'	6.69'	S46°02'49"E	19°14'43"
C21	20.00'	10.38'	5.30'	10.24'	S21°35'18"E	29°40'21"
C22	349.00'	41.15'	20.60'	41.12'	S03°22'28"E	6°45'18"
C23	20.00'	31.42'	20.00'	28.28'	S45°00'22"W	90°00'22"
C24	20.00'	16.73'	8.49'	16.61'	N78°00'28"W	23°57'58"
C25	70.00'	17.42'	8.78'	17.42'	S73°09'20"E	14°15'40"
C26	70.00'	47.71'	24.83'	46.80'	N00°11'13"E	39°03'14"
C27	70.00'	54.68'	28.81'	53.29'	N38°17'25"E	44°44'23"
C28	40.00'	16.73'	8.49'	16.61'	S10°30'15"E	23°57'58"
C29	401.00'	26.87'	13.41'	26.81'	S00°26'14"E	3°49'55"
C30	20.00'	32.24'	20.84'	28.86'	S45°49'30"W	92°21'23"
C31	20.00'	30.59'	19.19'	27.70'	N46°10'31"W	87°38'37"
C32	349.00'	23.34'	11.68'	23.41'	N00°26'14"W	3°49'55"
C33	30.00'	46.85'	23.24'	41.88'	N45°44'38"E	88°31'49"
C34	20.00'	31.41'	20.00'	28.28'	S44°59'38"E	89°59'38"
C35	20.00'	31.42'	20.00'	28.28'	S45°00'11"W	90°00'00"
C36	20.00'	31.42'	20.00'	28.28'	S44°59'49"E	90°00'00"
C37	20.00'	31.42'	20.00'	28.28'	S45°00'11"W	90°00'00"
C38	20.00'	31.42'	20.00'	28.28'	N44°59'49"E	90°00'00"
C39	20.00'	31.42'	20.00'	28.28'	N45°00'11"E	90°00'00"
C40	20.00'	31.42'	20.00'	28.28'	S45°00'11"W	90°00'00"
C41	20.00'	31.42'	20.00'	28.28'	S44°59'49"E	90°00'00"
C42	20.00'	31.42'	20.00'	28.28'	S44°59'49"E	90°00'00"
C43	20.00'	31.42'	20.00'	28.28'	N45°00'11"E	90°00'00"
C44	20.00'	31.42'	20.00'	28.28'	S44°59'49"E	90°00'00"
C45	20.00'	31.42'	20.00'	28.28'	N45°00'11"E	90°00'00"
C46	20.00'	31.42'	20.00'	28.28'	S44°59'49"E	90°00'00"
C47	70.00'	46.92'	24.38'	46.05'	S03°17'00"E	38°24'27"
C48	401.00'	8.27'	4.13'	8.27'	S00°35'15"E	1°10'51"
C49	20.00'	16.59'	8.80'	16.12'	N23°45'18"W	47°30'58"



# TRES SUEÑOS UNIT THREE

BEING TRACT 1-B SECTION 26, TRACT 11C-2, SECTION 34, TRACT 4 SECTION 35, AND A PORTION OF SECTION 27, BLOCK 79, TOWNSHIP 2, TEXAS AND PACIFIC RAILROAD CO. SURVEYS, CITY OF EL PASO, EL PASO COUNTY, TEXAS CONTAINING: 27.819± ACRES

## DEDICATION

CISCO Homes L.L.C., and the City of El Paso, 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, ponding area, pedestrian walkway, drainage easement, PSB easement, and utility easements as hereon laid down and designated, including easements for overhead of service wires for pole type utilities and the right for installation of service poles alongside lot lines as may be required, easements for buried service wires, conduits and pipes for underground utilities, and the right to ingress and egress for service and construction, and the right to trim interfering trees and shrubs.

Witness my signature this \_\_\_\_\_ day of \_\_\_\_\_ 2007.

Frank Arroyos, President  
CISCO Homes L.L.C.

Witness my signature this \_\_\_\_\_ day of \_\_\_\_\_ 2007.

Joyce Wilson  
City Manager

## ACKNOWLEDGEMENT

STATE OF TEXAS  
COUNTY OF EL PASO  
Before me, the undersigned authority, on this day personally appeared Frank Arroyos, 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 20th day of November 2007.

Michelle Siqueiros  
Notary Public in and for El Paso County

January 8, 2011  
My Commission Expires

## ACKNOWLEDGEMENT

STATE OF TEXAS  
COUNTY OF EL PASO  
Before me, the undersigned authority, on this day personally appeared Joyce Wilson, City Manager of the City of El Paso, 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 10th day of DECEMBER 2007.

Janice R. Masterson  
Notary Public in and for El Paso County

My Commission Expires

## CITY PLANNING COMMISSION

This subdivision is hereby approved as to the platting and as to the condition of the dedication in accordance with Chapter 212 of the Local Government Code of Texas this \_\_\_\_\_ day of \_\_\_\_\_, 2007.

Chairman Secretary

Approved for filing this 5th day of DECEMBER 2007.

DEVELOPMENT SERVICES DIRECTOR

## FILING

Filed and recorded in the office of the County Clerk of El Paso County, Texas, this 12th day of December 2007, in Volume 20070114505 of the Plat Records,

Debra Bruner  
County Clerk

Edwin Hernandez  
by Deputy

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

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

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

Bento Barragan, R.P.L.S. Texas, No. 5615

SURVEYOR  
**Barragan & Associates**  
LAND PLANNING & LAND SURVEYING  
1450 Pendola Road Suite B - El Paso Tx 79936  
Phone (915) 591-5709 Fax (915) 591-5706  
CONTACT: BENTO BARRAGAN, R.P.L.S.

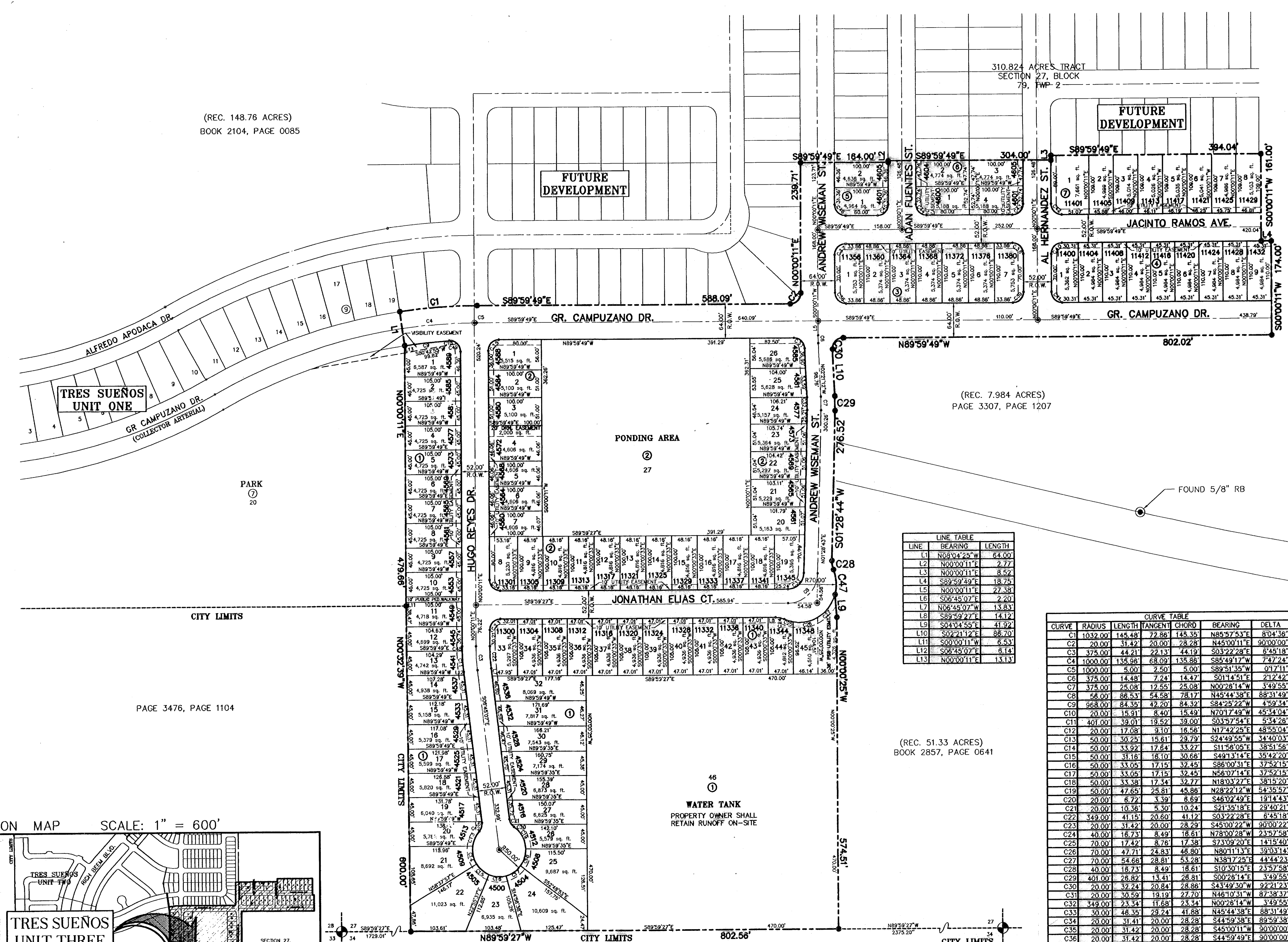
ENGINEER  
**cea**  
GROUP

engineers • architects • planners  
1204 Montana Ave., El Paso, Texas 79902  
Office 915.544.5232 Fax 915.544.5233  
www.ceagroup.net

CONTACT: JORGE L. AZCARATE, P.E.

600828

DATE PREPARED: 12-18-06  
DATE REVISED: 06/05/07  
DATE REVISED: 06/27/07

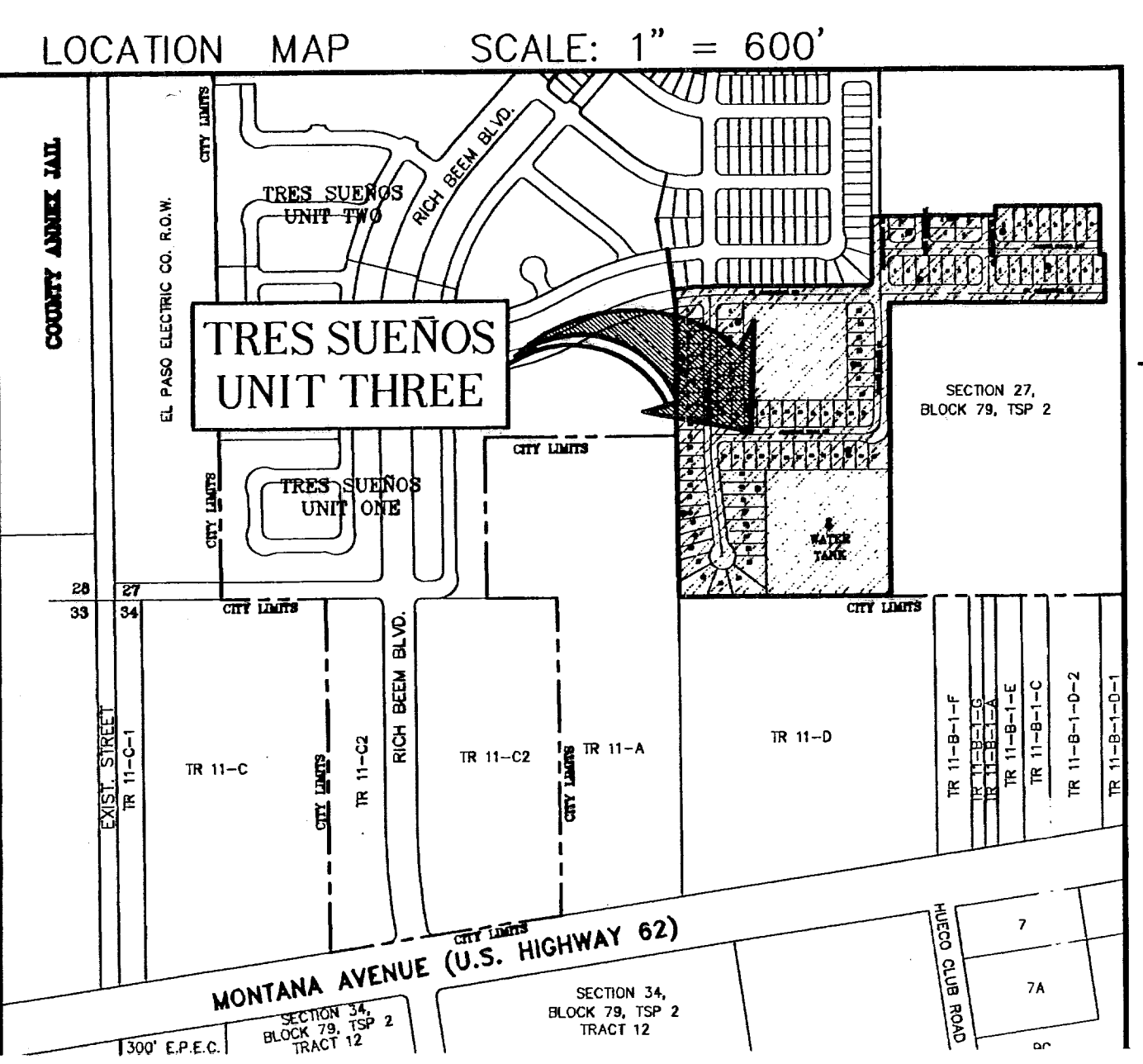
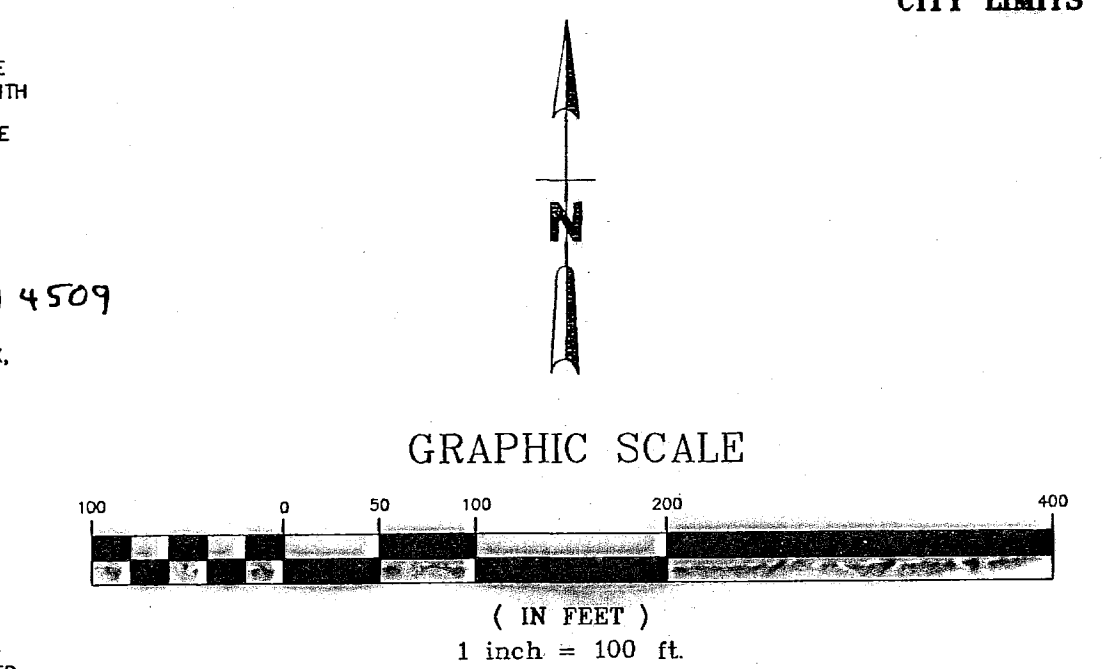


LINE TABLE

LINE	BEARING	LENGTH
L1	N083°04'25"W	64.00'
L2	N00°00'11"E	2.77'
L3	N00°00'11"E	8.52'
L4	S89°59'49"E	18.75'
L5	N00°00'11"E	27.38'
L6	S06°45'07"E	2.20'
L7	N06°45'07"W	13.83'
L8	S89°59'27"E	14.12'
L9	S04°14'55"E	41.92'
L10	S02°11'27"E	86.70'
L11	S00°00'11"W	6.53'
L12	S06°45'07"E	6.14'
L13	N00°00'11"E	13.13'

CURVE TABLE

CURVE	RADIUS	LENGTH	TANGENT	CHORD	BEARING	DELTA
C1	1032.00	143.48	72.88	143.35	N85°37'53"E	83°14'38"
C2	20.00	31.42	20.00	28.28	N45°00'11"E	90°00'00"
C3	375.00	44.21	22.13	44.19	S03°22'28"E	8°45'18"
C4	1000.00	135.58	68.09	135.88	S85°49'17"W	7°47'24"
C5	1000.00	5.00	2.50	5.00	S89°51'35"W	0°17'11"
C6	375.00	14.48	7.24	14.47	S01°14'51"E	2°12'42"
C7	375.00	25.08	12.55	25.08	N00°28'14"W	3°49'55"
C8	58.00	88.53	54.38	78.17	N45°44'38"E	88°31'49"
C9	968.00	84.38	42.19	84.37	S24°29'22"W	4°59'44"
C10	20.00	15.31	8.40	15.49	N70°17'49"W	45°54'04"
C11	401.00	39.01	19.52	39.00	S03°57'54"E	5°54'28"
C12	20.00	17.08	9.10	16.58	N17°42'25"E	48°55'04"
C13	50.00	30.25	15.61	29.79	S24°49'55"W	34°40'03"
C14	50.00	33.92	17.64	33.27	S11°58'05"E	38°51'58"
C15	50.00	31.18	16.10	30.68	S49°13'14"E	35°42'20"
C16	50.00	33.05	17.15	32.49	S86°00'31"E	37°52'15"
C17	50.00	33.05	17.15	32.45	N56°07'14"E	37°52'15"
C18	50.00	33.38	17.34	32.77	N18°03'27"E	38°15'20"
C19	50.00	47.65	25.81	45.88	N28°22'12"W	54°35'47"
C20	20.00	6.72	3.39	6.69	S46°07'49"E	19°14'43"
C21	20.00	10.36	5.30	10.24	S41°39'18"E	29°42'21"
C22	349.00	41.15	20.60	41.12	S03°22'28"E	8°45'18"
C23	20.00	31.42	20.00	28.28	S45°00'22"W	90°00'22"
C24	40.00	16.73	8.49	16.61	N78°00'28"W	23°57'58"
C25	70.00	17.42	8.76	17.38	S73°09'20"E	14°15'40"
C26	70.00	47.71	24.83	46.80	N80°11'13"E	39°03'14"
C27	70.00	54.66	28.81	53.28	N38°17'25"E	44°44'23"
C28	40.00	16.73	8.49	16.61	S10°30'15"E	23°57'58"
C29	401.00	28.82	14.41	28.81	S00°28'14"E	34°59'58"
C30	20.00	32.24	20.84	28.68	S43°49'30"W	92°21'23"
C31	20.00	30.59	19.19	27.70	N46°10'31"W	87°38'37"
C32	349.00	23.34	11.68	23.34	N00°28'14"W	34°59'58"
C33	20.00	46.35	23.24	41.88	N45°44'38"E	88°31'49"
C34	20.00	31.42	20.00	28.28	N45°00'11"E	90°00'00"
C35	20.00	31.42	20.00	28.28	S45°00'11"E	90°00'00"
C36	20.00	31.42	20.00	28.28	S44°59'49"E	90°00'00"
C37	20.00	31.42	20.00	28.28	S44°59'49"E	90°00'00"
C38	20.00	31.42	20.00	28.28	N45°00'11"E	90°00'00"
C39	20.00	31.42	20.00	28.28	N45°00'11"E	90°00'00"
C40	20.00	31.42	20.00	28.28	S45°00'11"W	90°00'00"
C41	20.00	31.42	20.00	28.28	S44°59'49"E	90°00'00"
C42	20.00	31.42	20.00	28.28	S44°59'49"E	90°00'00"
C43	20.00	31.42	20.00	28.28	N45°00'11"E	90°00'00"
C44	20.00	31.42	20.00	28.28	S44°59'49"E	90°00'00"
C45	20.00	31.42	20.00	28.28	N45°00'11"E	90°00'00"
C46	20.00	31.42	20.00	28.28	S44°59'49"E	90°00'00"
C47	70.00	46.92	24.38	46.05	S03°17'00"E	38°24'27"
C48	401.00	8.27	4.13	8.27	S00°35'15"E	11°05'11"
C49	20.00	16.59	8.30	16.12	N23°45'18"W	47°00'58"



- NOTES:
- THIS IS TO CERTIFY THAT WATER AND SEWER SERVICES WILL BE PROVIDED TO TRES SUEÑOS UNIT THREE 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 IN GR. CAMPUZANO DRIVE, 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. 20070114506, 20070114507, 20070114508, 20070114509
  - VEHICULAR ACCESS TO THOSE RESIDENTIAL LOTS ABUTTING GR. CAMPUZANO, SHALL BE FROM OTHER DEDICATED STREETS ONLY. THE INSTRUMENT ASSURING RELEASE OF ACCESS IS FILED IN THE OFFICE OF THE COUNTY CLERK, DEED AND RECORD SECTION.  
INSTRUMENT NO. 20070114511
  - RESTRICTIVE COVENANTS FOR THIS SUBDIVISION ARE FILED IN THE OFFICE OF THE COUNTY CLERK, DEED AND RECORD SECTION.  
INSTRUMENT NO. 20070114510
  - INTERIOR LOT CORNERS WILL BE SET UP UPON COMPLETION OF CONSTRUCTION OF ROADWAYS AND UTILITIES.
  - THIS SUBDIVISION LIES WITHIN ZONE "X," AS DESIGNATED IN PANEL NO. 480212 0175 B, DATED SEPTEMBER 4 1991, OF THE FLOOD INSURANCE RATE MAPS, EL PASO COUNTY, TEXAS. ZONE "X" INDICATES AREAS DETERMINED TO BE OUTSIDE 500-YEAR FLOODPLAIN.
  - THIS SYMBOL REPRESENTS 2-1/2" REBAR WITH CAP SET AT ALL EXTERIOR BOUNDARY CORNERS.

(REC. 148.76 ACRES)  
BOOK 2104, PAGE 0085

(REC. 7.984 ACRES)  
PAGE 3307, PAGE 1207

PAGE 3476, PAGE 1104

(REC. 51.33 ACRES)  
BOOK 2857, PAGE 0641



**RECORD DRAWINGS**

THESE RECORD DOCUMENTS HAVE BEEN PREPARED BASED ON INFORMATION PROVIDED BY OTHERS. CEA GROUP HAS NOT VERIFIED THE ACCURACY AND/OR COMPLETENESS OF THIS INFORMATION AND SHALL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS THAT MAY BE INCORPORATED AS A RESULT OF ERRONEOUS INFORMATION PROVIDED BY OTHERS.

8/18/08

**UTILITY LOCATOR SERVICES**

EL PASO ELECTRIC COMPANY	(915) 543-5720
EL PASO ENERGY CORPORATION	(915) 496-5244
EL PASO WATER UTILITIES	(915) 594-5500
PASEO DEL ESTE MUD NO. 1	(915) 858-1065
MCI SURVEILLANCE	(800) MCI-WORK
TIME WARNER COMMUNICATIONS	(915) 772-1123
TEXAS GAS SERVICE	(915) 680-7200
SBC	(800) 545-6005
AT&T	(800) 352-3786
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

REFERENCES - BENCHMARKS

CITY MONUMENT AT POINT OF CURVE  
CENTERLINE RICH BEEM BLVD. S08+33.31' E  
A DISTANCE OF 467.58 FEET FROM THE  
SOUTHERLY RIGHT OF WAY LINE OF  
MONTANA AVENUE CITY DATUM  
ELEVATION.....4005.40

**CEA GROUP**  
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www.ceagroup.net



SCALE: 1" = 100'  
Horizontal: N/A  
Vertical: N/A  
Contour Interval: N/A  
DATE: AUGUST 2007  
DESIGN BY: R.O.  
DRAWN BY: J.L.A.  
CHKD. BY: J.L.A.  
APPVD. BY: J.L.A.  
JOB No. 2250-017-LD

PROJECT TITLE  
**TRES SUEÑOS UNIT THREE  
SUBDIVISION IMPROVEMENTS**

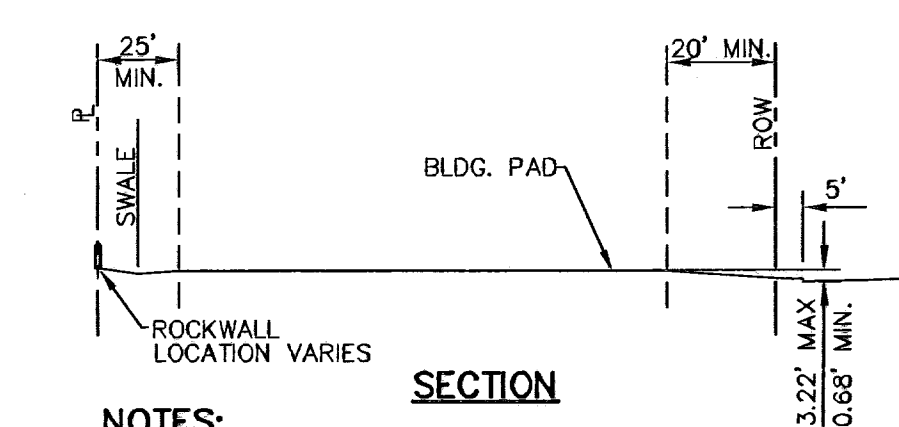
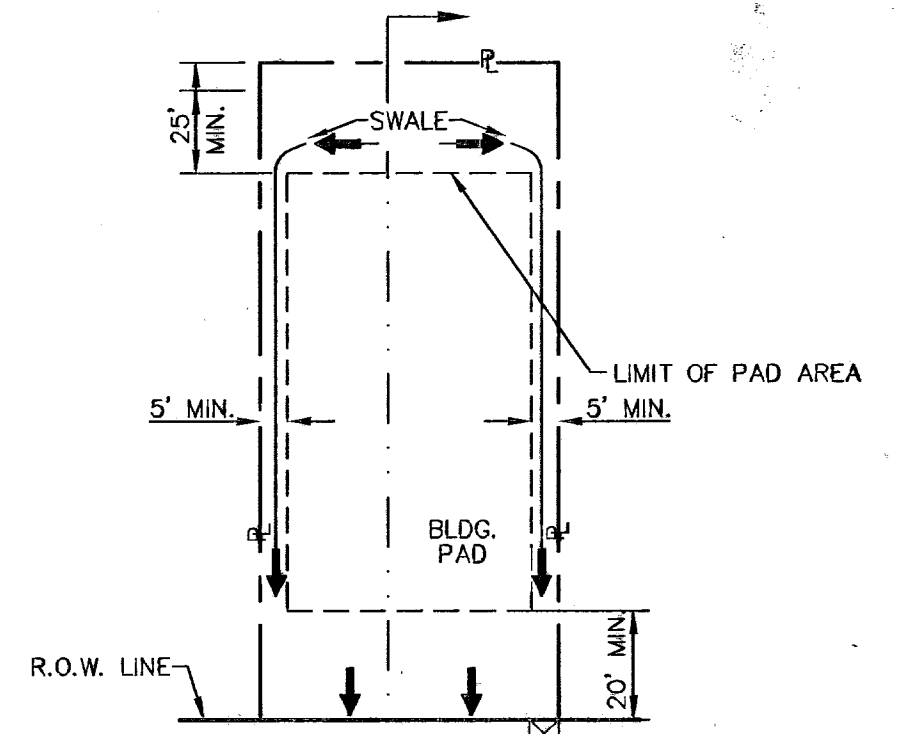
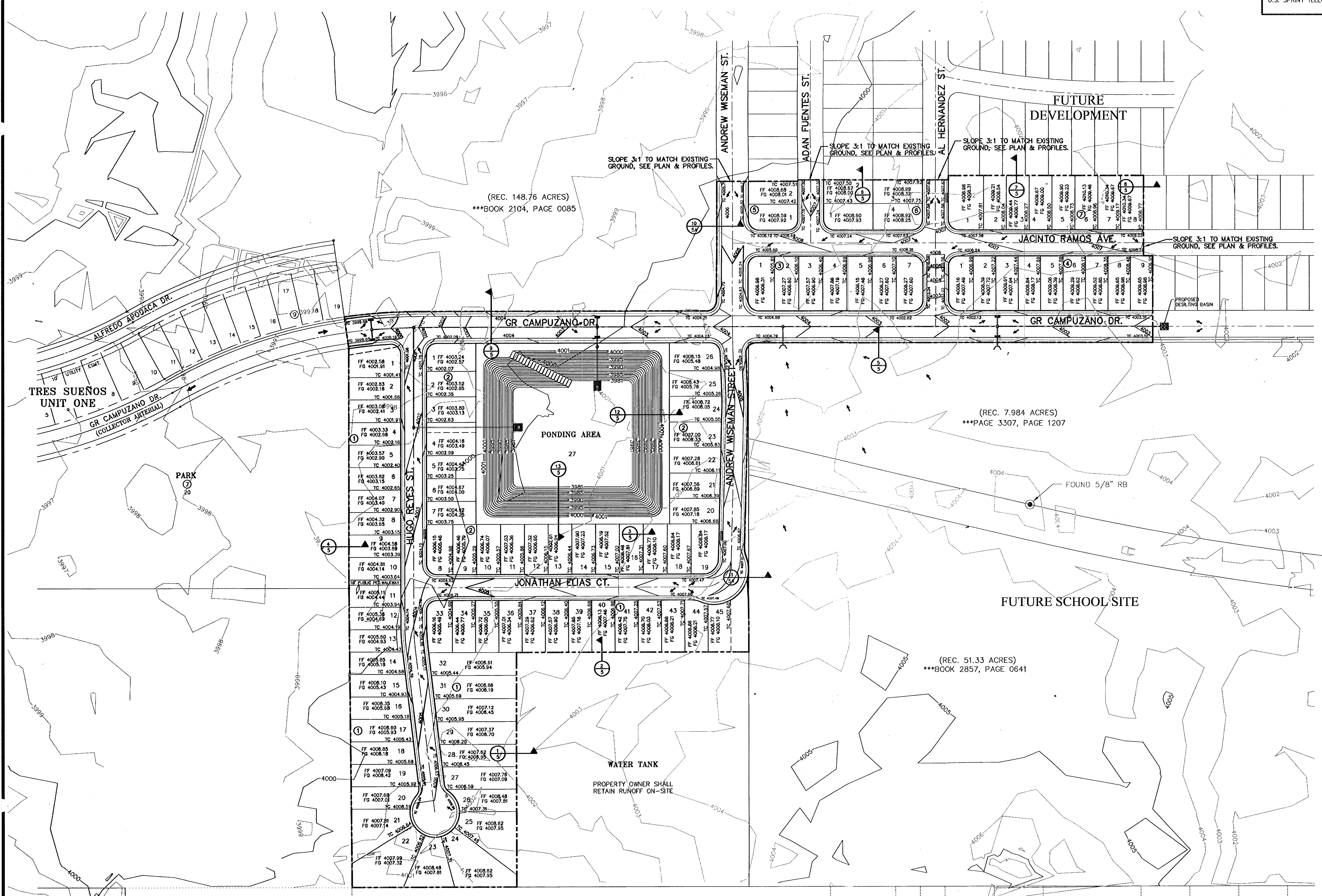
SHEET TITLE

GRADING PLAN

SHEET NO.

3

OF 26



NOTES:  
1. 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 COUNTY OF EL PASO)

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

- NOTES:**
1. RETAINING WALLS SHALL BE CONSTRUCTED FOR VERTICAL GRADES GREATER THAN 2'-FEET.
  2. SLOPED AREAS WITHIN RESIDENTIAL LOTS SHALL BE MAINTAINED BY THE PROPERTY OWNERS.
  3. DEVELOPER SHALL BE RESPONSIBLE FOR THE CONSTRUCTION OF ALL PERIMETER ROCKWALL/RETAINING WALL ALONG THE PONDING AREA. ROCKWALL/RETAINING WALL SHALL BE A MINIMUM OF 6 FEET HIGH FROM THE HIGHER GROUND ELEVATION.
  4. ALL RETAINING WALLS NOT SPECIFIED TO BE CONSTRUCTED BY DEVELOPER, SHALL BE BUILT BY BUILDER.
  5. DEVELOPER SHALL COMPLY WITH SECTION 13.08.170 (EXCESSIVE PAVING CUTS) OF THE EL PASO MUNICIPAL CODE.
  6. IMPROVEMENTS SHALL NOT BE PLACED ON SIDEWALK (NBOC'S, SIGNS, POLES, FIRE HYDRANTS, ETC.)
  7. IMPROVEMENTS SHALL COMPLY WITH T.A.S./A.D.A. STANDARDS

600828



**RECORD DRAWINGS**

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8/18/08

**UTILITY LOCATOR SERVICES**

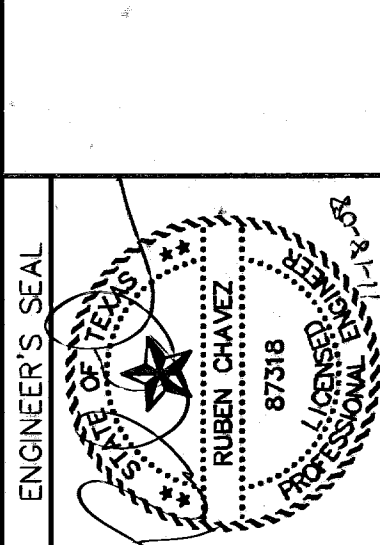
EL PASO ELECTRIC COMPANY (915) 543-5720  
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 1-800-DIG-TESS  
 1-800-344-8377  
 FOR FIELD LOCATING EXISTING UTILITIES

REFERENCES - BENCHMARKS  
 CITY MONUMENT AT POINT OF CURVE  
 CENTERLINE OF 4875' RADIUS  
 SOUTHERLY RIGHT OF WAY LINE OF  
 MONTANA AVENUE CITY DATUM  
 ELEVATION: 4005.40

CEA GROUP  
 engineers • architects • planners  
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SCALE: 1" = 100'  
 Horizontal: N/A  
 Vertical: N/A  
 Contour Interval: N/A  
 DATE: AUGUST 2007  
 DESIGN BY: R.O.  
 DRAWN BY: J.L.A.  
 CHKD. BY: J.L.A.  
 APPVD. BY: J.L.A.  
 JOB No.: 2250-017-LD

PROJECT TITLE  
**TRES SUEÑOS UNIT THREE  
 SUBDIVISION IMPROVEMENTS**

SHEET TITLE

**DRAINAGE PLAN**

SHEET NO.

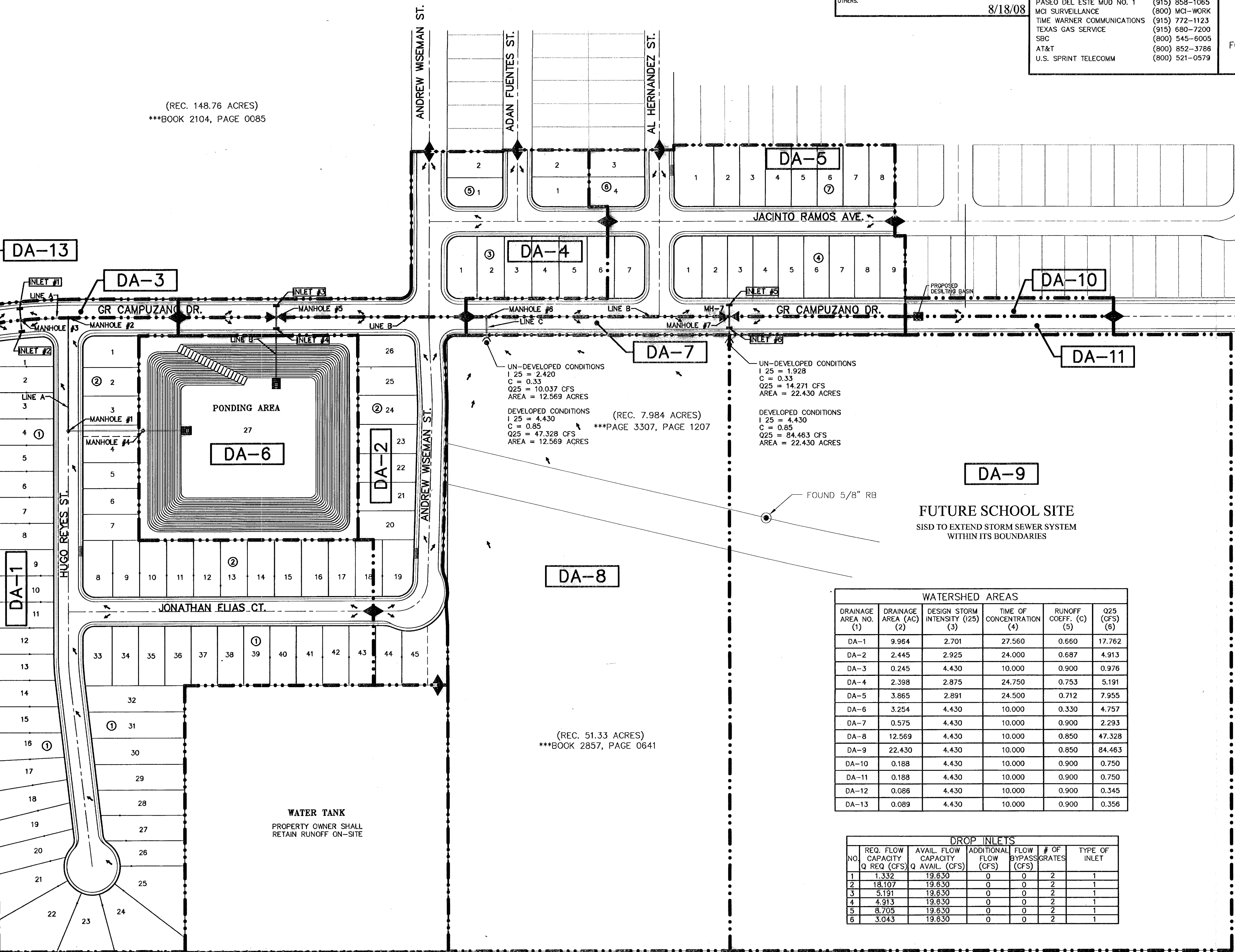
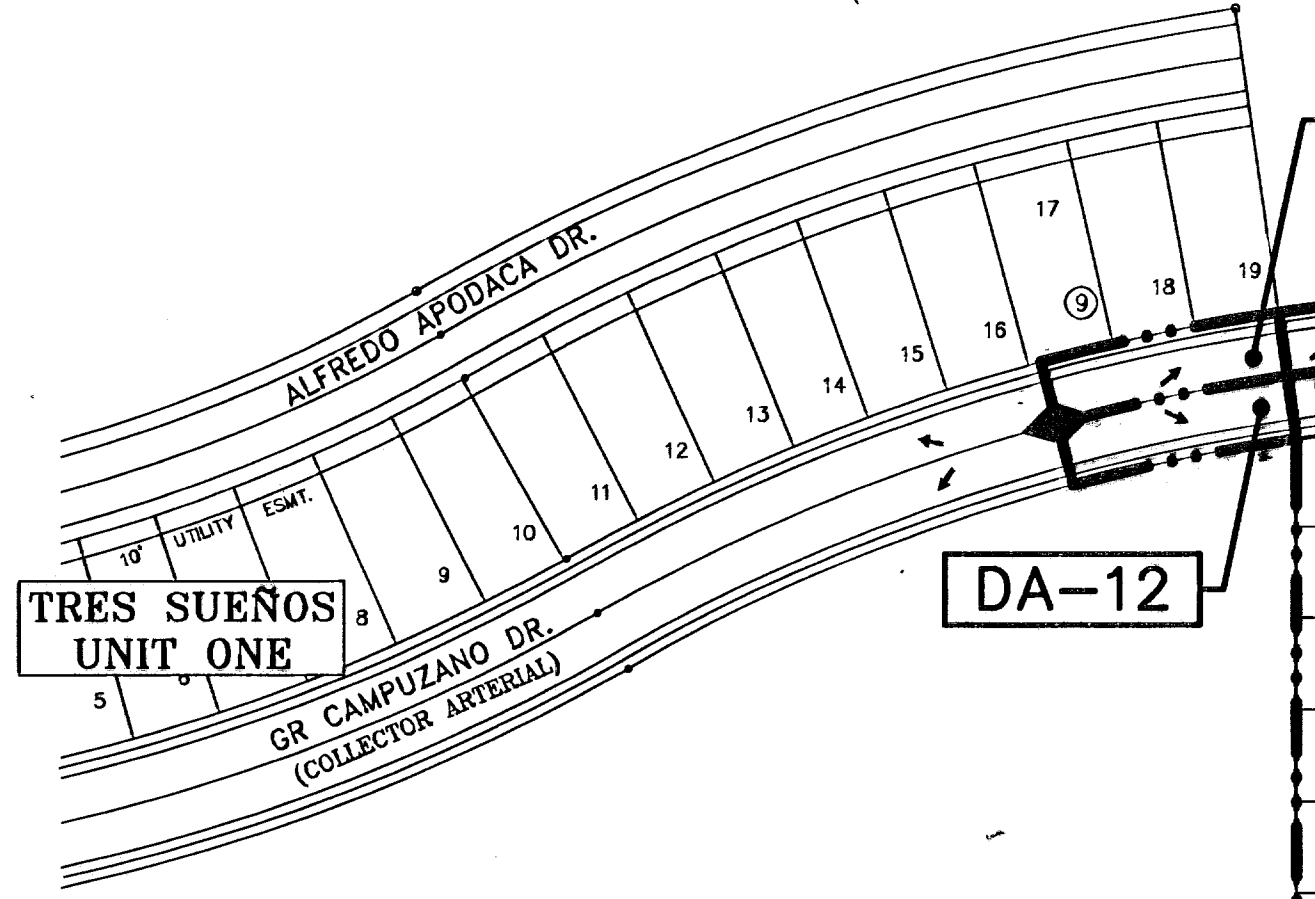
4

OF 26

(REC. 148.76 ACRES)  
 \*\*\*BOOK 2104, PAGE 0085

(REC. 51.33 ACRES)  
 \*\*\*BOOK 2857, PAGE 0641

(REC. 7.984 ACRES)  
 \*\*\*PAGE 3307, PAGE 1207



**WATERSHED AREAS**

DRAINAGE AREA NO. (1)	DRAINAGE AREA (AC) (2)	DESIGN STORM INTENSITY (I25) (3)	TIME OF CONCENTRATION (4)	RUNOFF COEFF. (C) (5)	Q25 (CFS) (6)
DA-1	9.984	2.701	27.560	0.660	17.762
DA-2	2.445	2.925	24.000	0.687	4.913
DA-3	0.245	4.430	10.000	0.900	0.976
DA-4	2.398	2.875	24.750	0.753	5.191
DA-5	3.865	2.891	24.500	0.712	7.955
DA-6	3.254	4.430	10.000	0.330	4.757
DA-7	0.575	4.430	10.000	0.900	2.293
DA-8	12.569	4.430	10.000	0.850	47.328
DA-9	22.430	4.430	10.000	0.850	84.463
DA-10	0.188	4.430	10.000	0.900	0.750
DA-11	0.188	4.430	10.000	0.900	0.750
DA-12	0.086	4.430	10.000	0.900	0.345
DA-13	0.089	4.430	10.000	0.900	0.356

**NEW POND AREAS**

CONTOUR	ACCUMULATED VOLUME (AC-Ft.)
4001	40.755
4000	38.072
3999	35.484
3998	32.988
3997	30.583
3996	28.268
3995	27.023
3994	25.864
3993	23.807
3992	21.833
3991	19.941
3990	18.128
3989	16.393
3988	14.734
3987	13.150
3986	11.639
3985	10.200
3984	8.830
3983	7.528
3982	6.293
3981	0

**DROP INLETS**

NO.	REQ. FLOW CAPACITY Q REQ (CFS)	AVAIL. FLOW CAPACITY Q AVAIL. (CFS)	ADDITIONAL FLOW (CFS)	# OF BYPASS GRATES	TYPE OF INLET
1	1.332	19.630	0	0	2
2	18.107	19.630	0	0	2
3	5.191	19.630	0	0	2
4	4.913	19.630	0	0	2
5	8.705	19.630	0	0	2
6	3.043	19.630	0	0	2

**NEW POND CALCULATIONS**

BASIN NO.	REQUIRED CAPACITY (AC.-FT.)	AVAILABLE CAPACITY (AC.-FT.)	PEAK INFLOW (CFS)	OUTLET TOWER FLOW (CFS)	HIGH WATER SURFACE ELEV. (FT.)	BOTTOM ELEVATION (FT.)	FREE BOARD
1	19.377	37.597	177.138	0	3990.69±	3981.00	10.31

**MOMENTUM COMPUTATION**

LOCATION @ INLET (1)	DEPTH (2)	VELOCITY (3)	PRODUCT NUMBER (4)
1	0.10	2.26	0.23
2	0.28	4.35	1.13
3	0.21	1.96	0.41
4	0.21	1.93	0.41
5	0.25	2.18	0.55
6	0.15	1.60	0.24

NOTE:  
 1. THE HWSE DOES NOT INCLUDE 25% FREEBOARD. HOWEVER, THE TOTAL POND CAPACITY SHALL HOLD TOTAL REQUIRED STORM WATER RUNOFF.  
 HWSE = QT + SILT VOLUME + EMERGENCY  
 HWSE = 14.943 + 0.699 + 3.735 = 19.377 AC-FT  
 CONTOUR 3990, ACCUMULATED VOLUME = 18,128 AC-FT  
 CONTOUR 3991, ACCUMULATED VOLUME = 19,941 AC-FT  
 HIGH WATER SURFACE ELEVATION = 3990.69±

**NEW POND #1 CALCULATIONS**

QT = (ARC)/12	SILT VOLUME = 0.699
QT = 14.943	0.012 AC-FT/AC
A = 58.296	18.678 + 0.699 = 19.377 AC-FT
R = 4"	
C = 0.769	TOTAL <sub>req</sub> = 19.377 AC-FT
QT X 25% = 3.735	
14.943 + 3.735 = 18.678	

- (1) LOCATION
- (2) DEPTH
- (3) VELOCITY
- (4) PRODUCT NUMBER = DEPTH X VELOCITY

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

10,000 ACRE TRACT  
 PAGE 3476, PAGE 1104

600828



**RECORD DRAWINGS**

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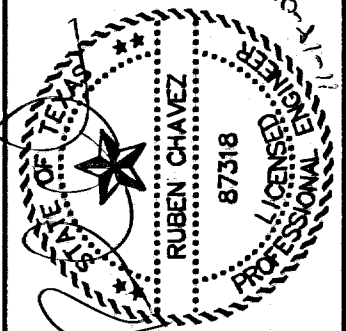
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1-800-DIG-TESS  
1-800-344-8377  
FOR FIELD LOCATING EXISTING UTILITIES

REFERENCES - BENCHMARKS

CITY MONUMENT AT POINT OF CURVE  
CENTERLINE RICH BEEM BLVD., S08+42.31' E  
A DISTANCE OF 467.58 FEET FROM THE  
SOUTHERLY RIGHT OF WAY LINE OF  
MONTANA AVENUE CITY DATUM  
ELEVATION.....4005.40

DATE	REVISIONS	BY

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SCALE

Horizontal: 1"=5'  
Vertical: N/A

Contour Interval: N/A

DATE: AUGUST 2007  
DESIGN BY: R.O.  
DRAWN BY: J.M.  
CHKD. BY: J.L.A.  
APP'D. BY: J.L.A.  
JOB No. 2250-017-LID

**TRES SUEÑOS UNIT THREE  
SUBDIVISION IMPROVEMENTS**

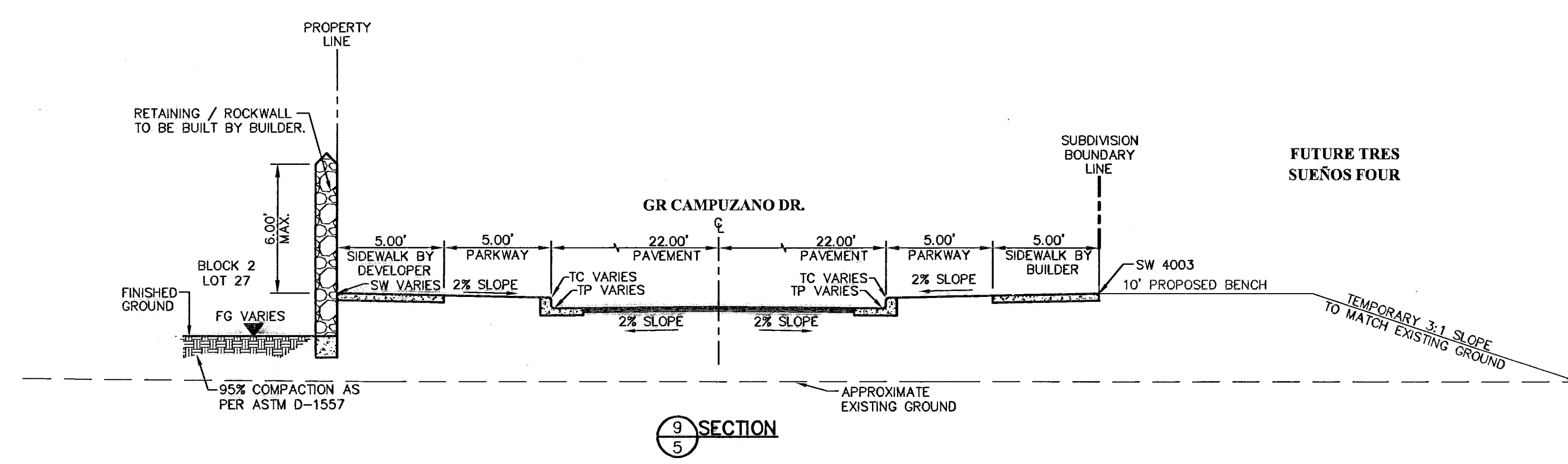
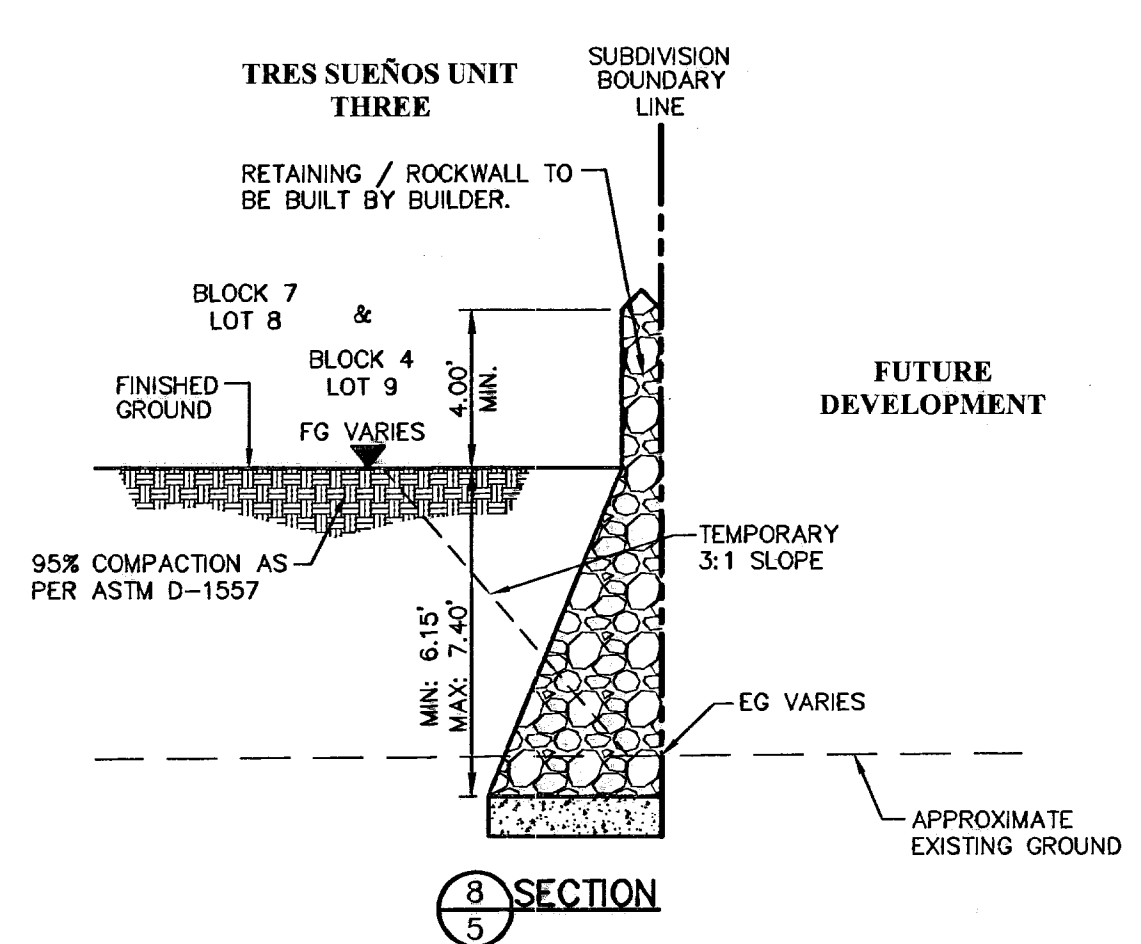
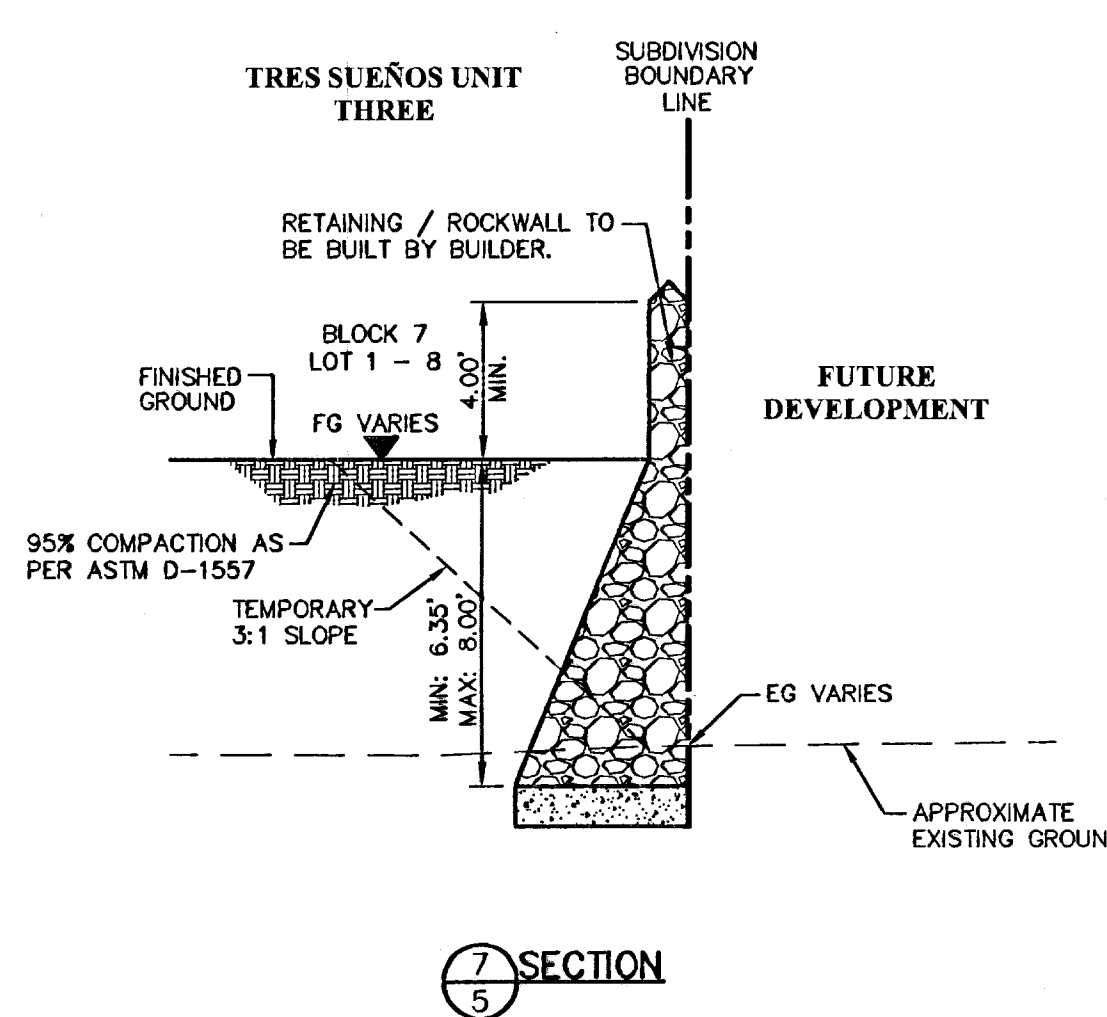
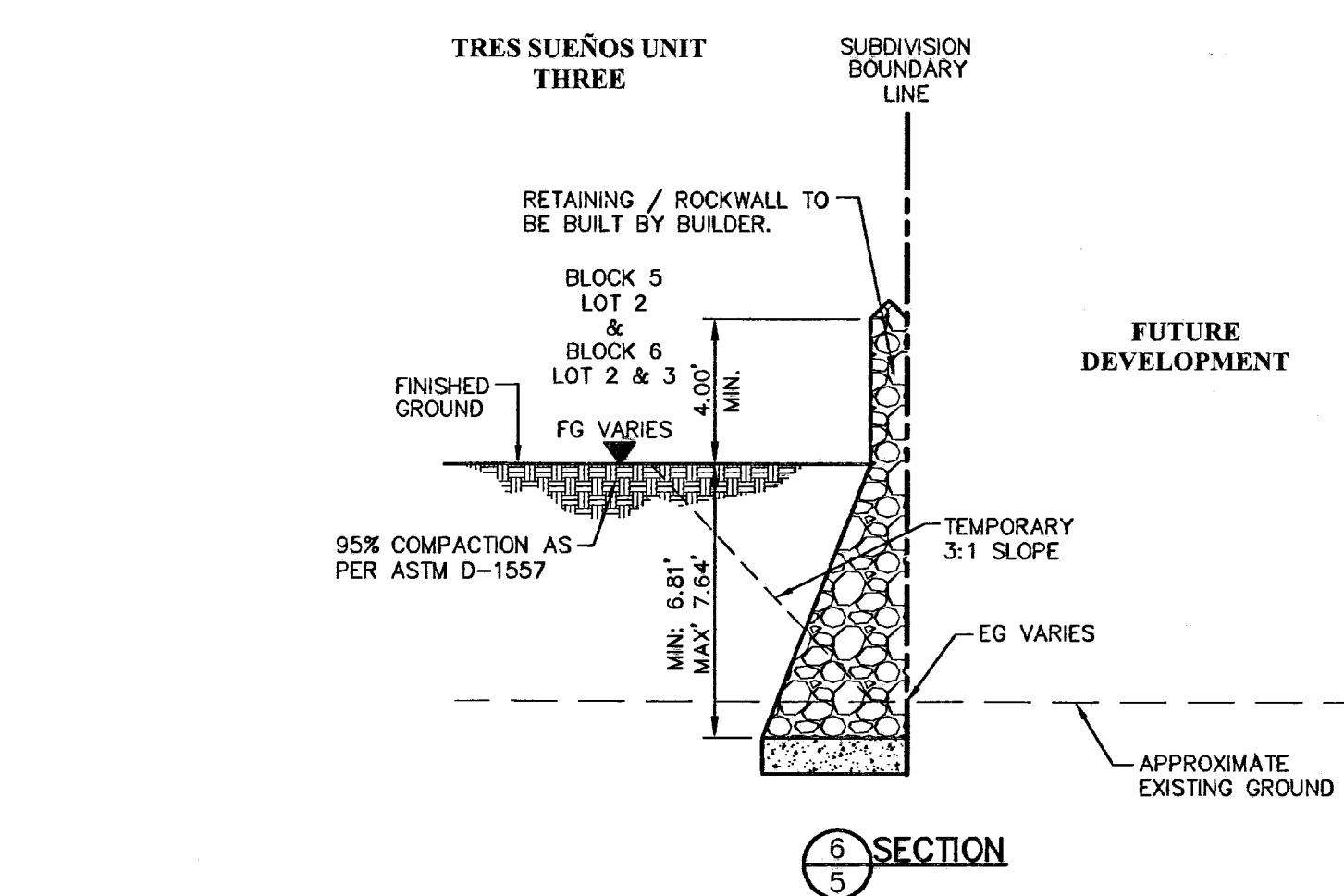
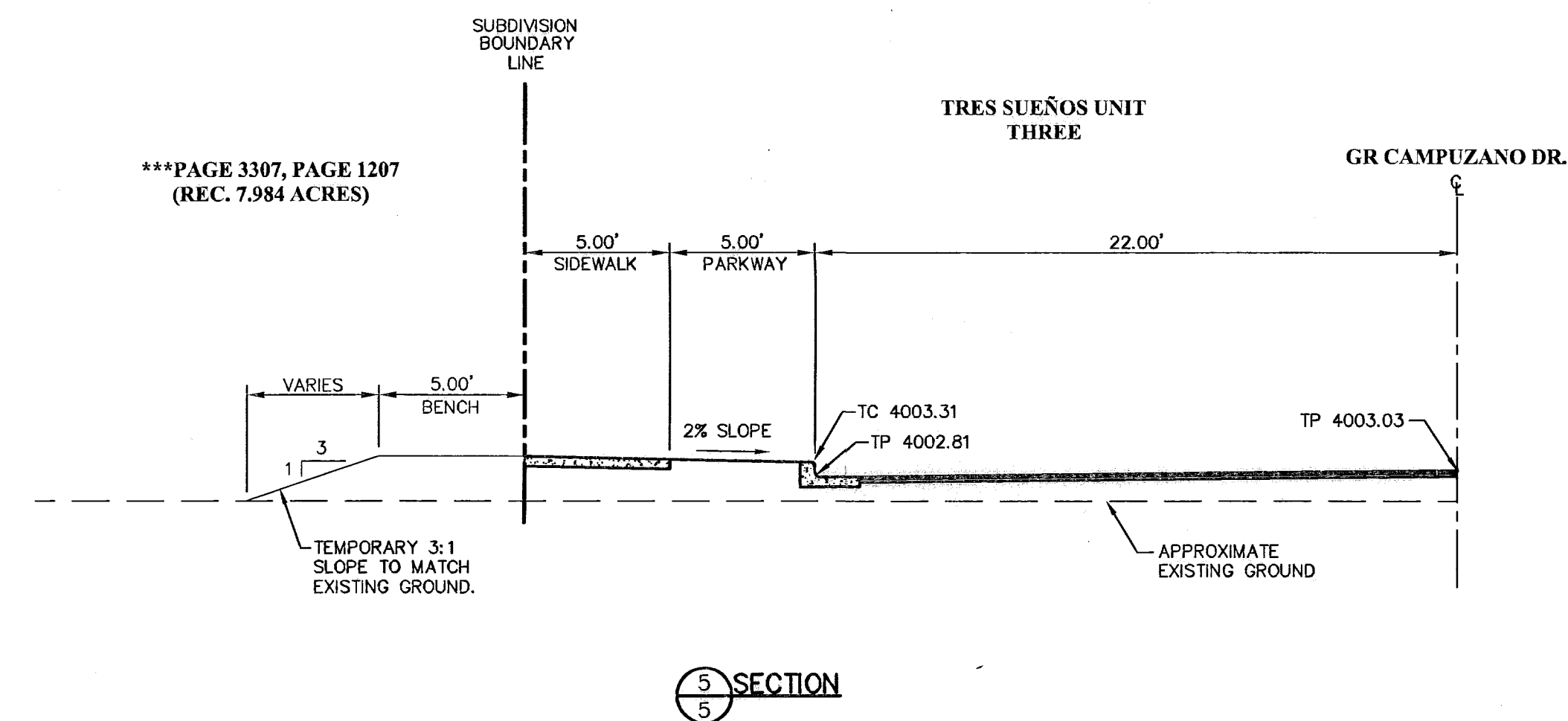
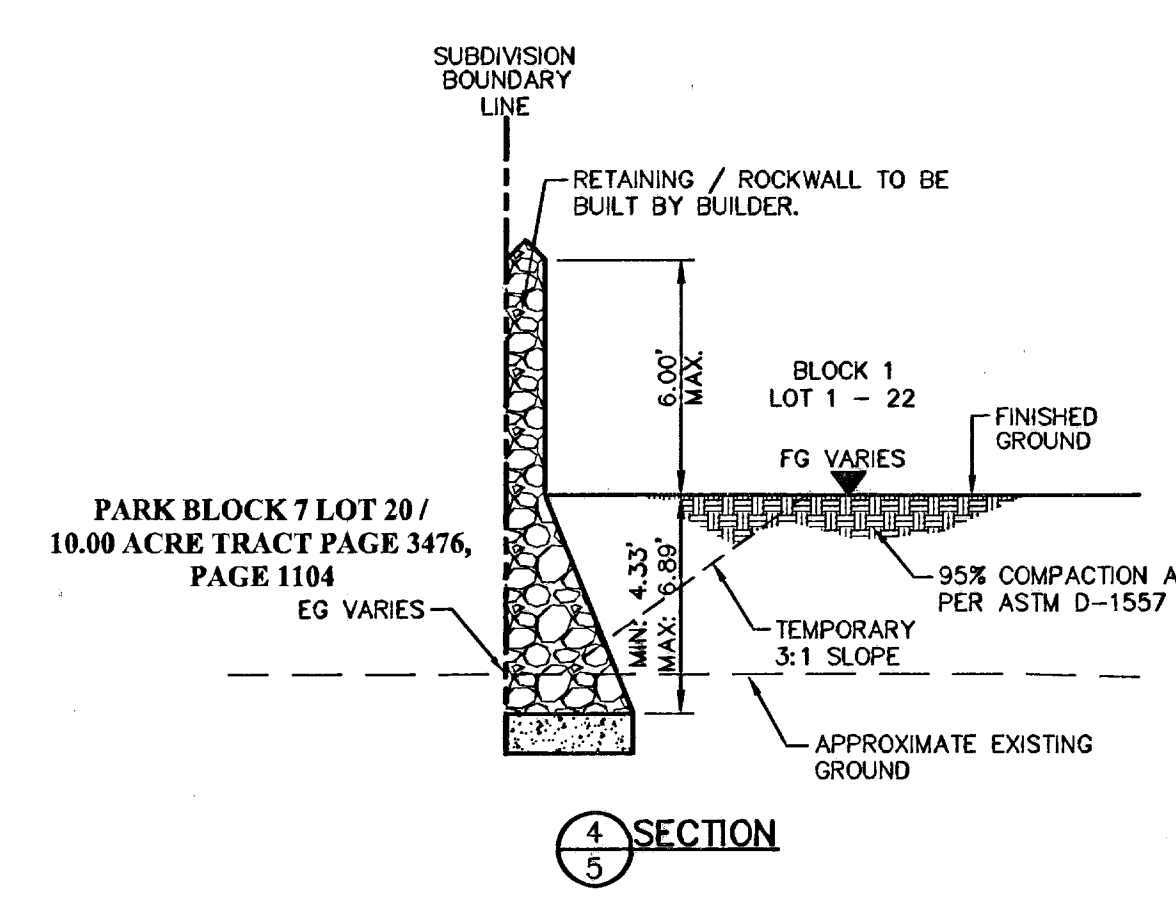
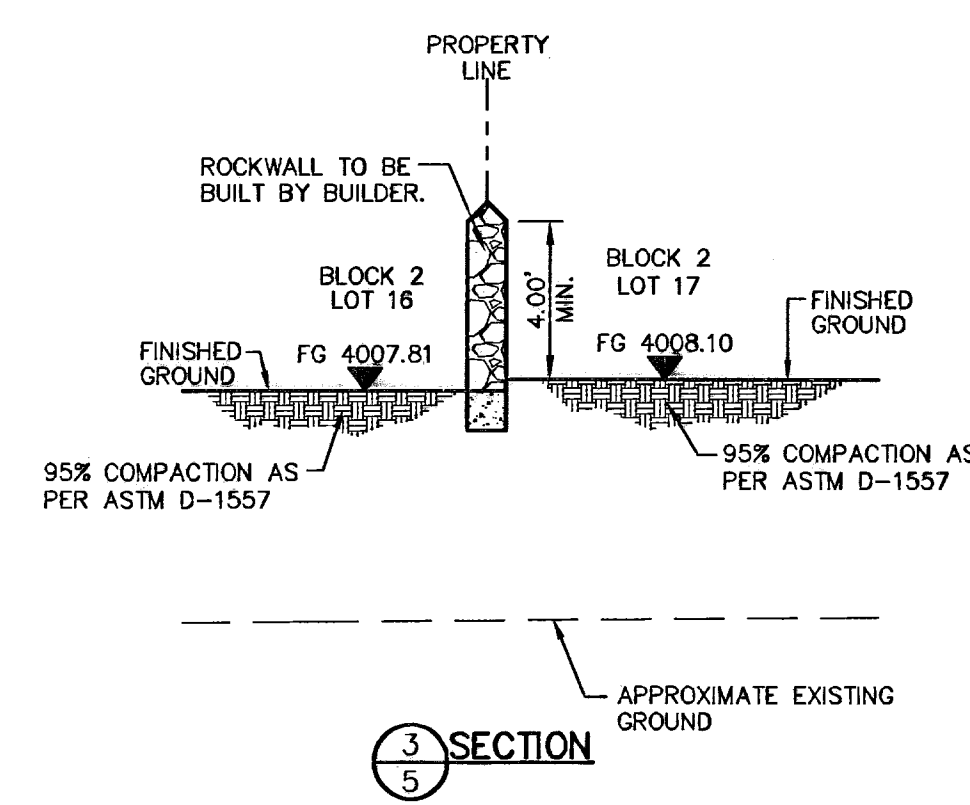
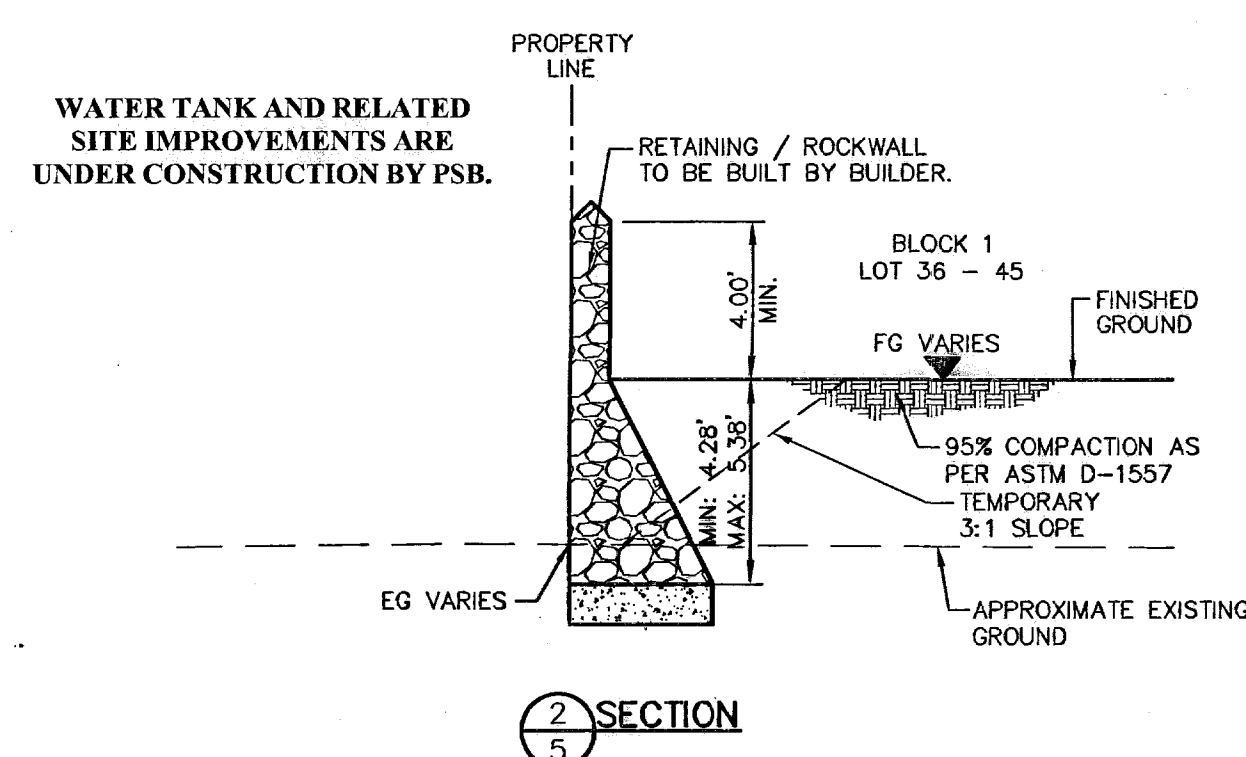
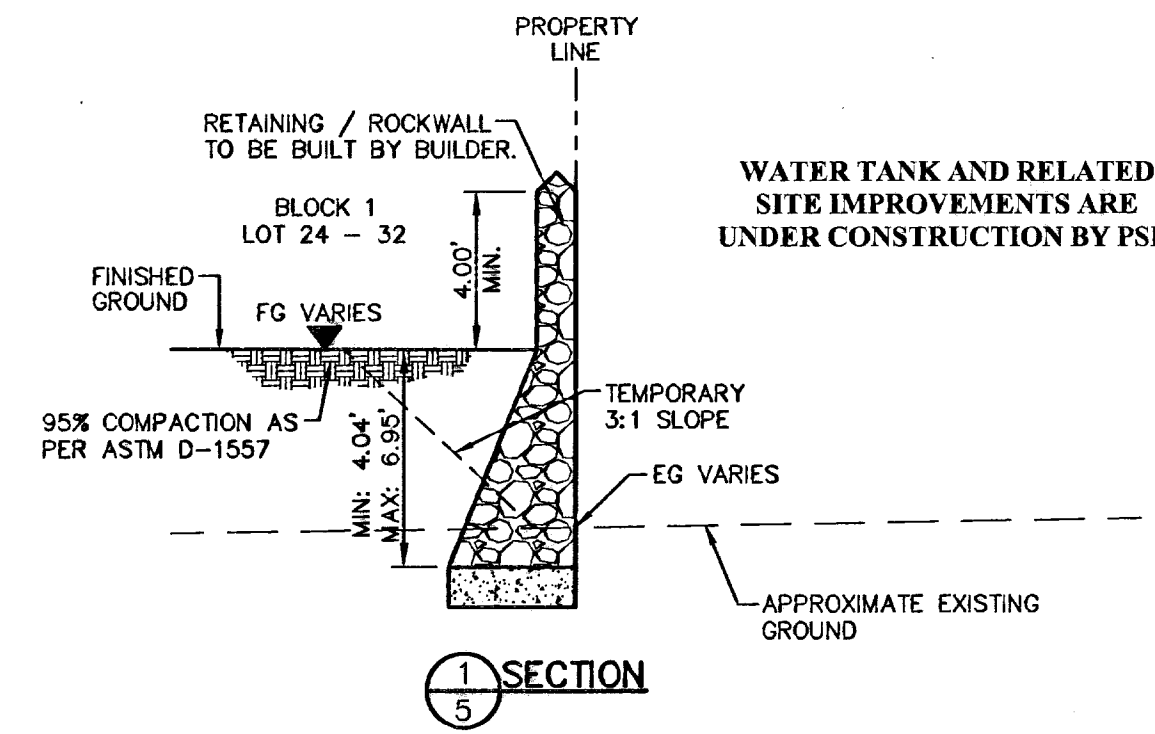
SHEET TITLE

TYPICAL GRADING SECTIONS (SHEET 1 OF 2)

SHEET NO.

5

OF 26





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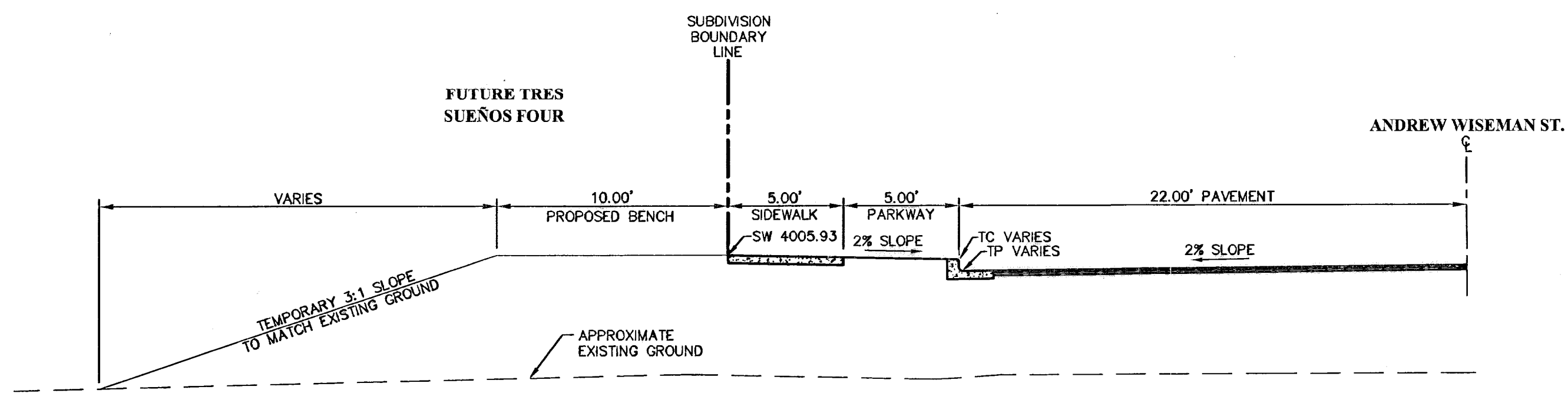
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FOR FIELD LOCATING EXISTING UTILITIES

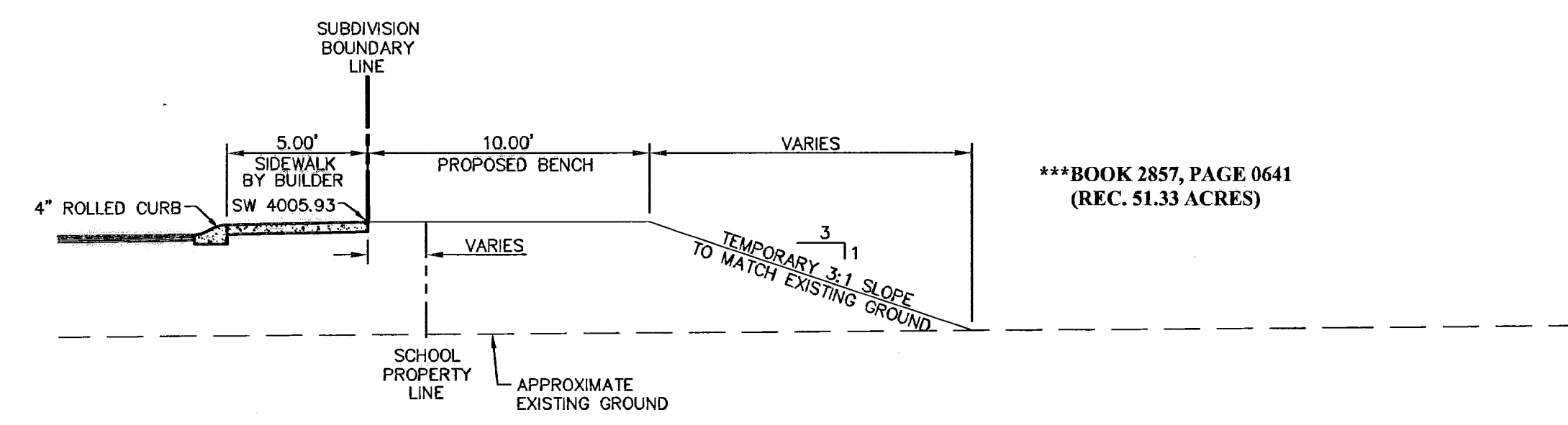
REFERENCES - BENCHMARKS

CITY MONUMENT AT POINT OF CURVE  
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MONTANA AVENUE CITY DATUM  
ELEVATION.....4005.40

DATE	REVISIONS
	BY

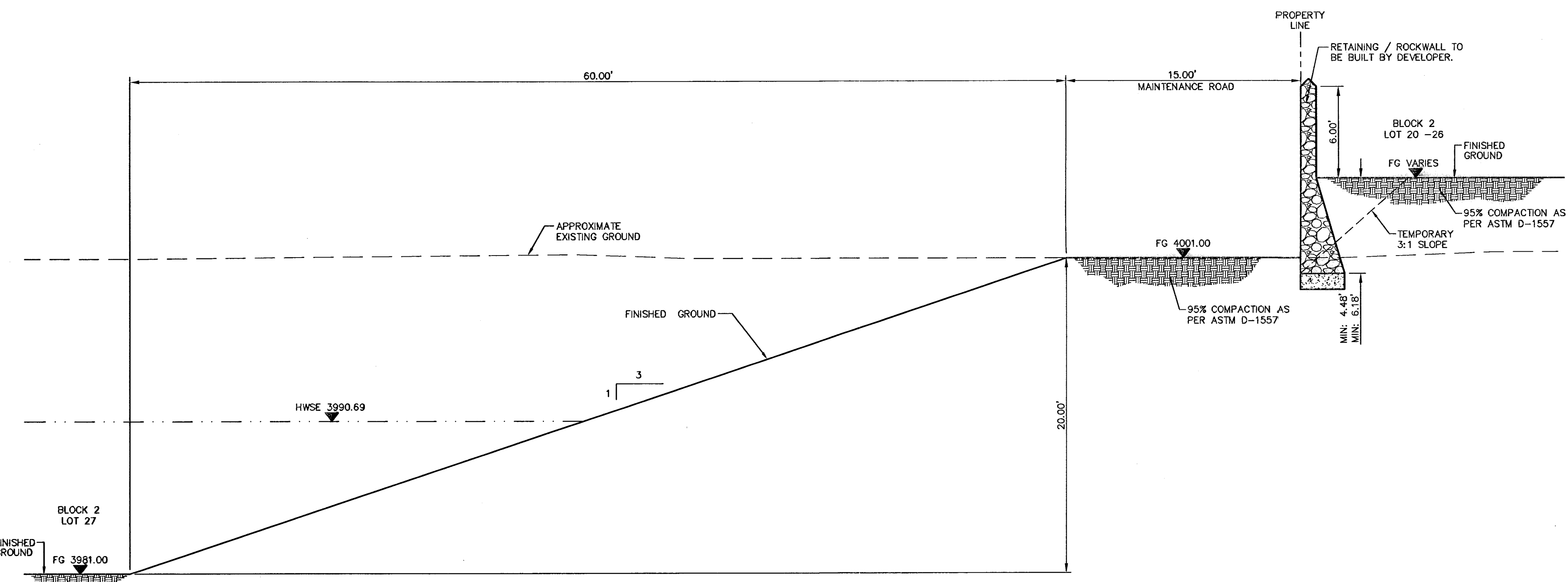


SECTION 10  
5A

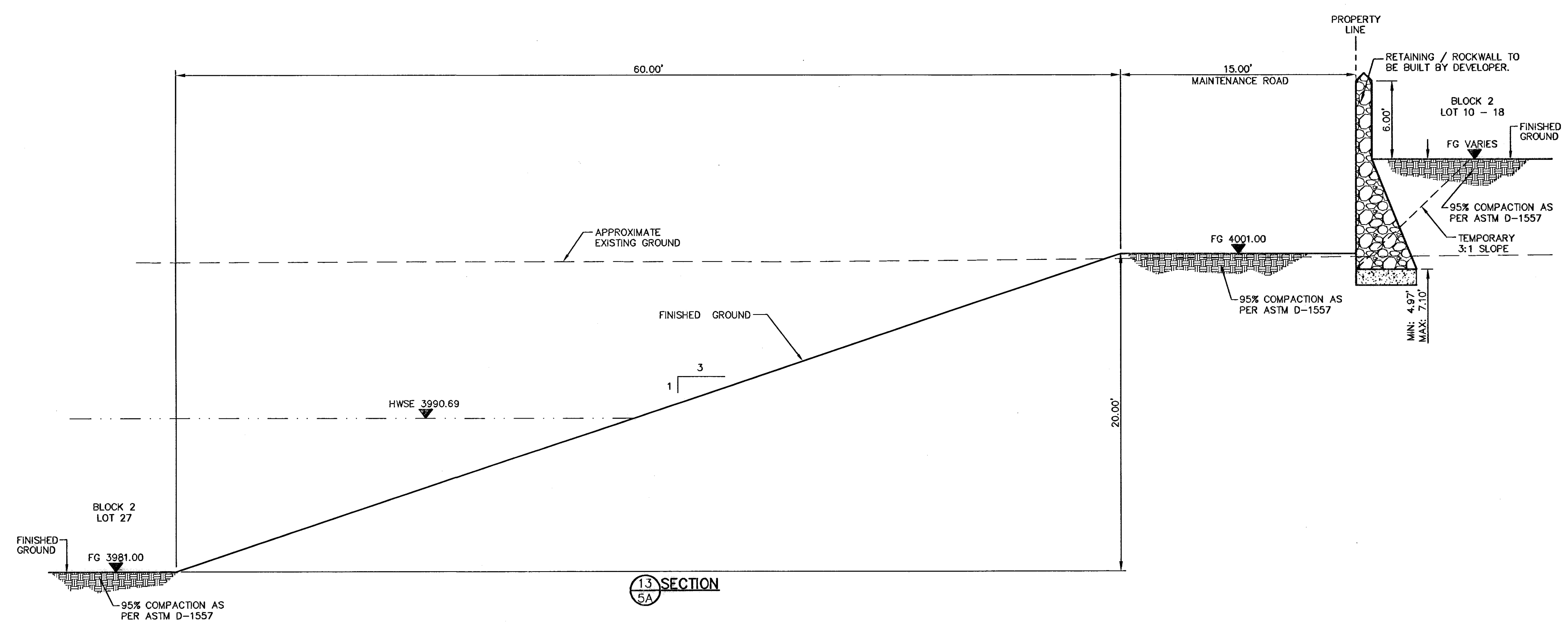


SECTION 11  
5A

\*\*\*BOOK 2857, PAGE 0641  
(REC. 51.33 ACRES)

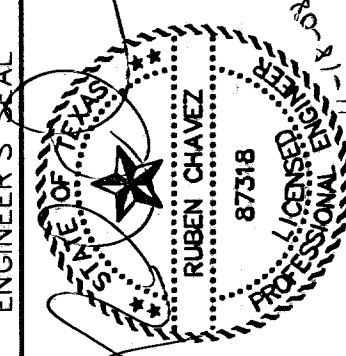


SECTION 12  
5A



SECTION 13  
5A

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SCALE 1"=5'

Horizontal:	N/A
Vertical:	N/A
Contour Interval:	N/A
DATE:	AUGUST 2007
DESIGN BY:	R.O.
DRAWN BY:	J.L.A.
CHKD. BY:	J.L.A.
APPVD. BY:	J.L.A.
JOB No.	2250-017-1D

PROJECT TITLE  
**TRES SUEÑOS UNIT THREE  
SUBDIVISION IMPROVEMENTS**

SHEET TITLE

TYPICAL GRADING SECTIONS (SHEET 2 OF 2)

SHEET NO.

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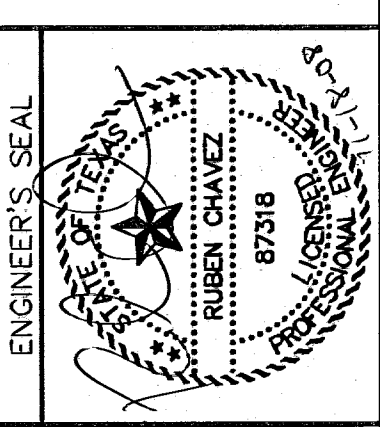
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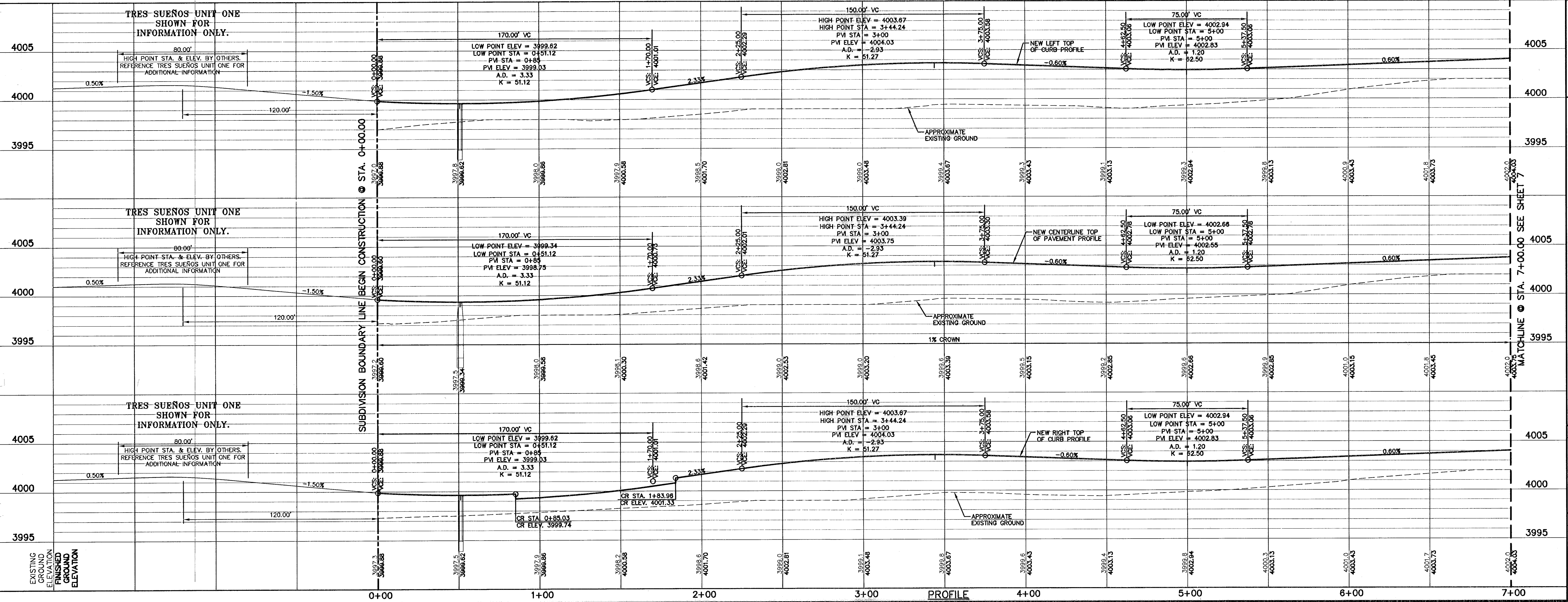
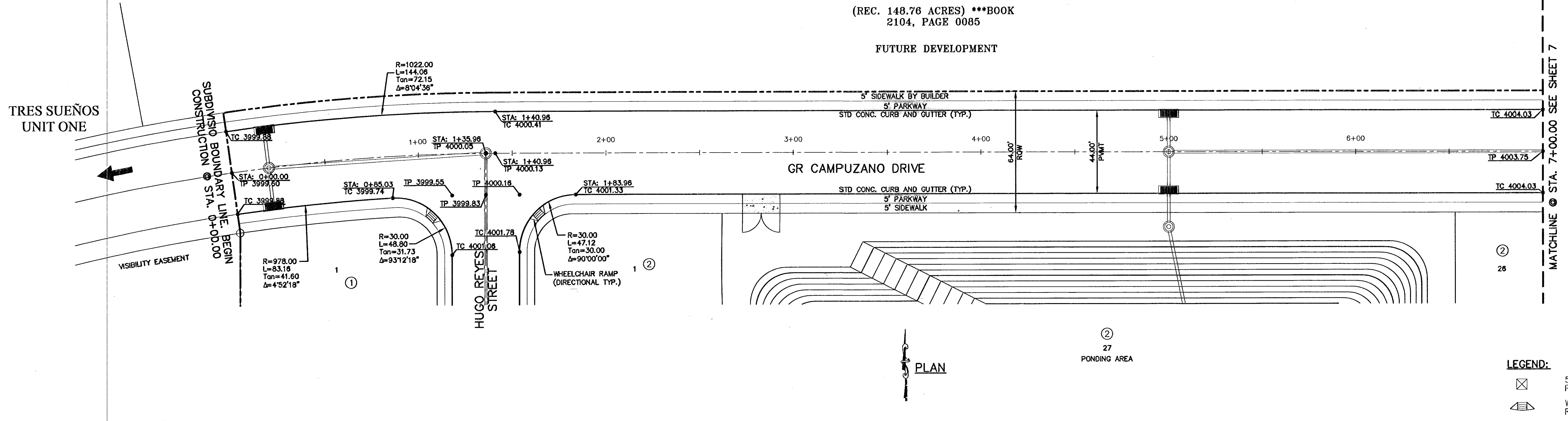
REFERENCES - BENCHMARKS  
 CITY MONUMENT AT POINT OF CURVE  
 CENTERLINE RICH BEEM BLVD., S08+43.31' E  
 A DISTANCE OF 467.58 FEET FROM THE  
 SOUTHERLY RIGHT OF WAY LINE OF  
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 ELEVATION.....4005.40

DATE \_\_\_\_\_ BY \_\_\_\_\_  
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(REC. 148.76 ACRES) \*\*\*BOOK  
 2104, PAGE 0085  
 FUTURE DEVELOPMENT



SCALE: 1" = 30'  
 Horizontal: 1" = 30'  
 Vertical: 1" = 3'  
 Contour Interval: N/A  
 DATE: AUGUST 2007  
 DESIGN BY: R.O.  
 DRAWN BY: J.L.A.  
 CHKD. BY: J.L.A.  
 APPVD. BY: J.L.A.  
 JOB No. 2250-07-LD

PROJECT TITLE  
**TRES SUEÑOS UNIT THREE  
 SUBDIVISION IMPROVEMENTS**

SHEET TITLE  
**GR CAMPUZANO DR.  
 PLAN & PROFILE  
 FROM STA. 0+00.00  
 TO STA. 7+00.00**

SHEET NO.  
**6**

OF 26

600828



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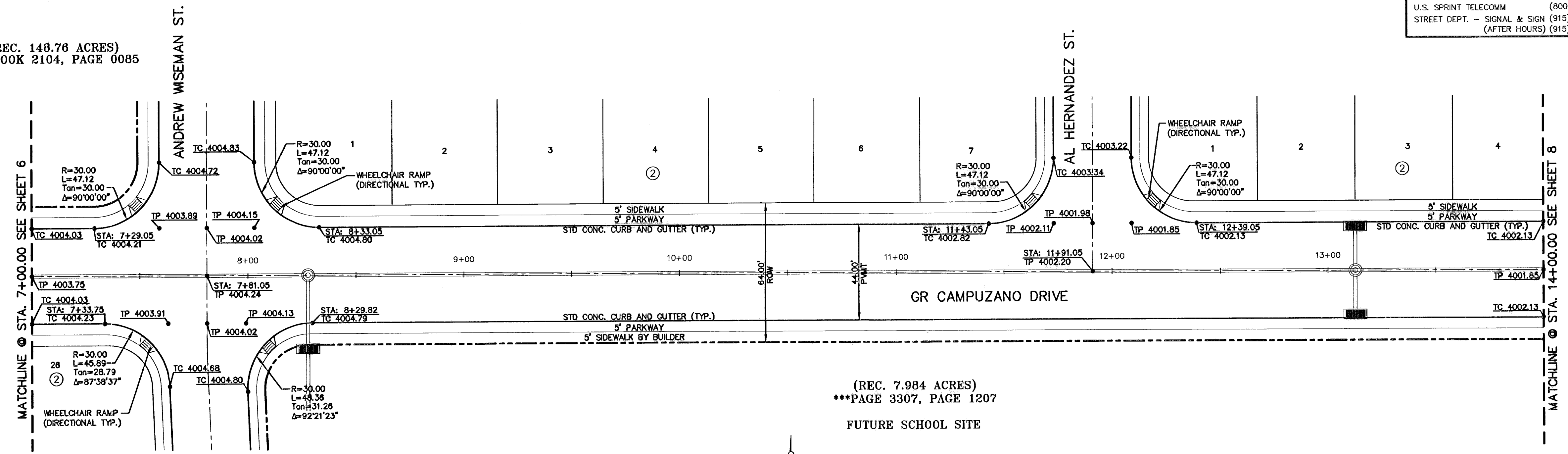
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REFERENCES - BENCHMARKS

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ELEVATION.....4005.40	

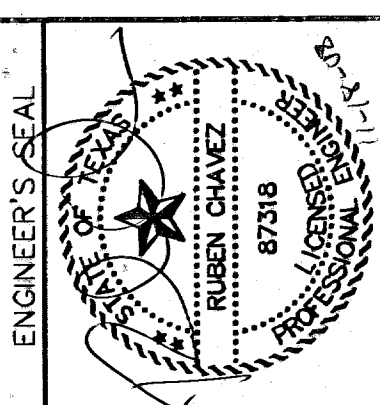
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 \*\*\*BOOK 2104, PAGE 0085



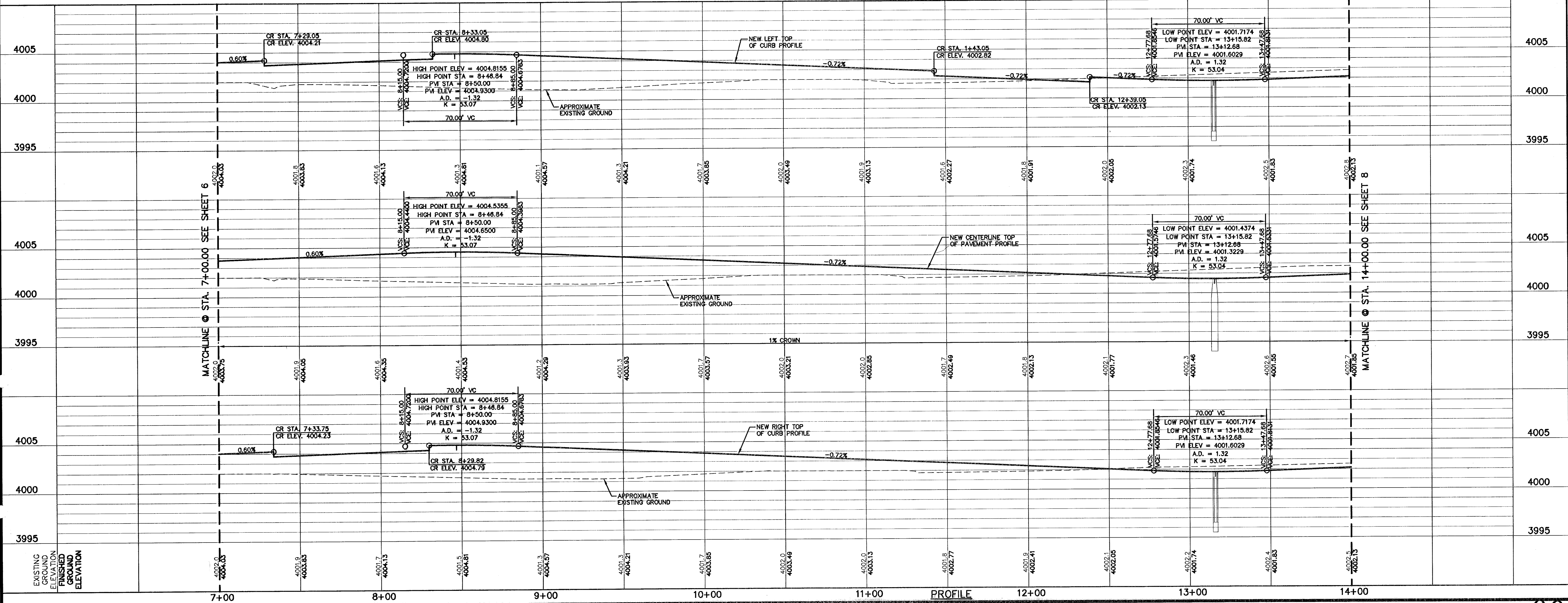
(REC. 7.984 ACRES)  
 \*\*\*PAGE 3307, PAGE 1207  
 FUTURE SCHOOL SITE



**LEGEND:**  
 5' x 5' WHEELCHAIR PASSING  
 WHEELCHAIR RAMP (TYP.)



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SCALE: 1"=30'  
 Horizontal: 1"=5'  
 Vertical: 1"=5'  
 Contour Interval: 1/4'  
 DATE: AUGUST 2007  
 DESIGN BY: R.O.  
 DRAWN BY: J.L.A.  
 CHKD. BY: J.L.A.  
 APPVD. BY: J.L.A.  
 JOB No. 2250-017-LD

PROJECT TITLE  
**TRES SUEÑOS UNIT THREE**  
**SUBDIVISION IMPROVEMENTS**

SHEET TITLE  
 GR CAMPUZANO DR.  
 PLAN & PROFILE  
 FROM STA. 7+00.00  
 TO STA. 14+00.00

SHEET NO.  
**7**  
 OF 26

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1-800-344-8377  
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REFERENCES - BENCHMARKS

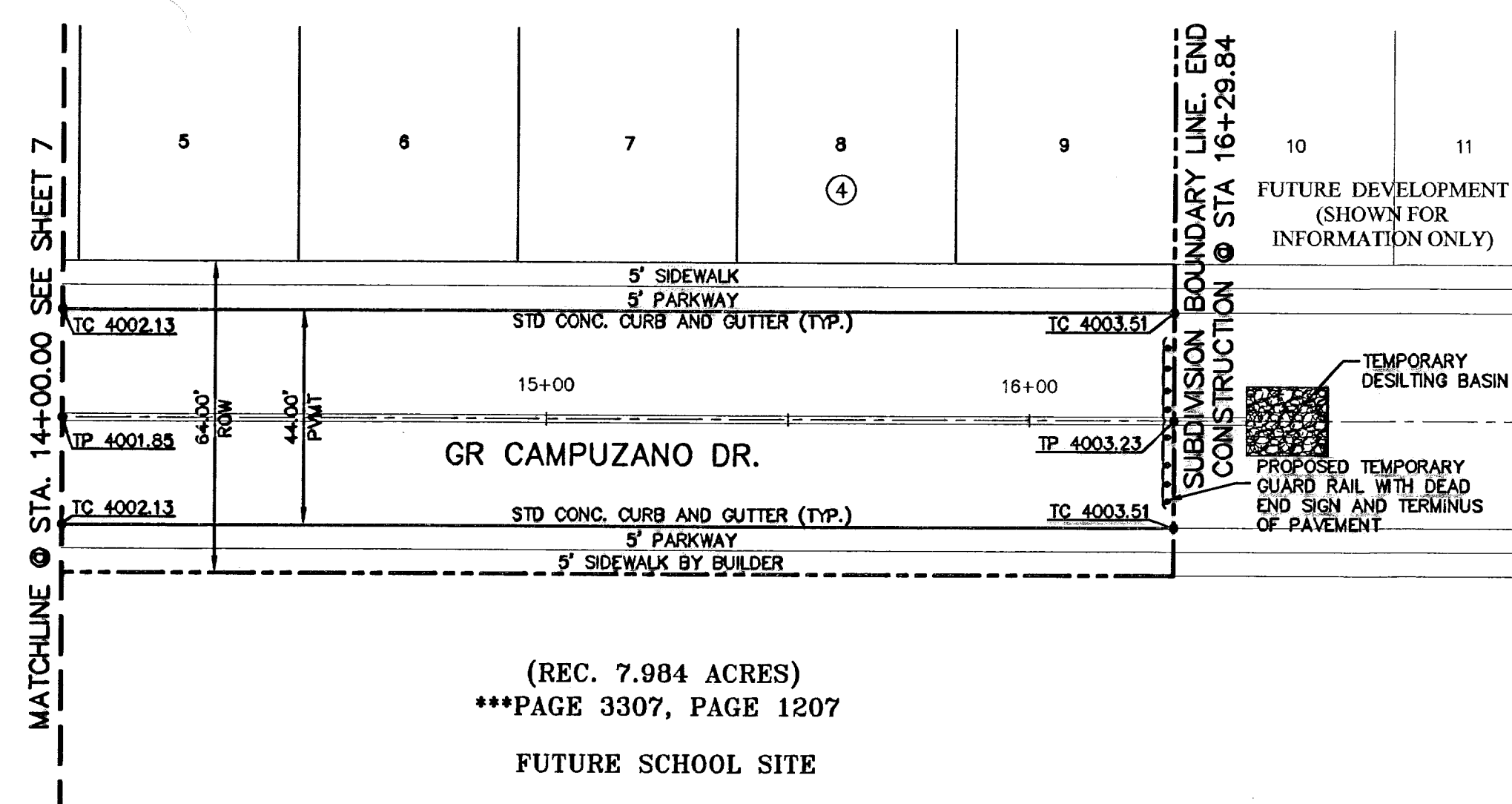
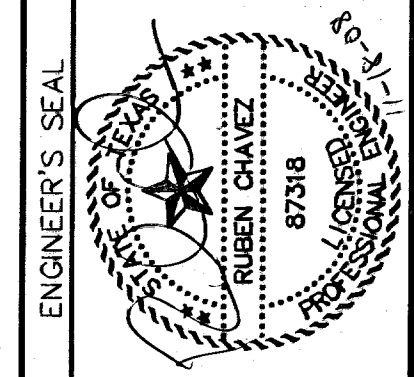
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DATE	REVISIONS	BY

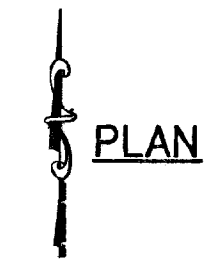
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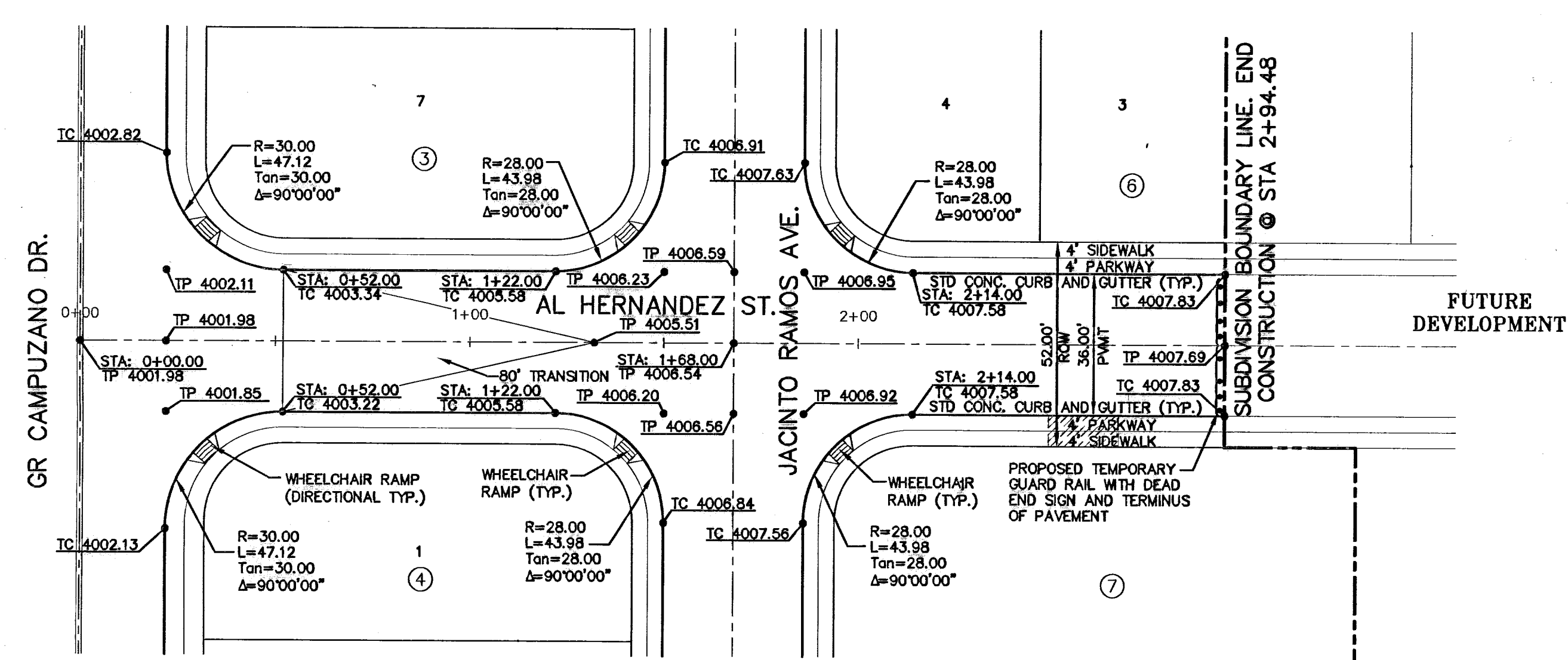
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(REC. 7.984 ACRES)  
\*\*\*PAGE 3307, PAGE 1207  
FUTURE SCHOOL SITE

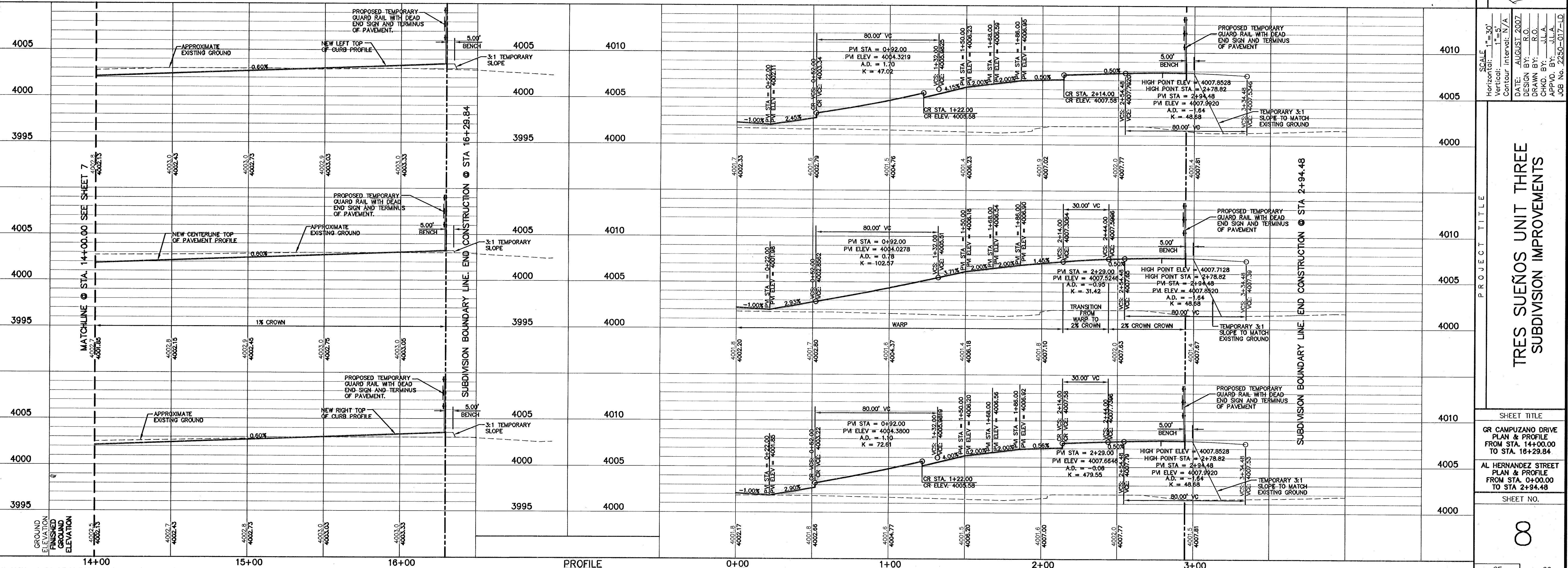


(REC. 7.984 ACRES)  
\*\*\*PAGE 3307, PAGE 1207  
FUTURE SCHOOL SITE



PLAN

- LEGEND:**
- ☒ 5' X 5' WHEELCHAIR PASSING
  - ☒ WHEELCHAIR RAMP (TYP.)



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

DATE: AUGUST 2007  
DESIGN BY: R.O.  
DRAWN BY: R.O.  
CHKD. BY: J.L.A.  
APPROV. BY: J.L.A.  
JOB No. 2250-017-LD

**TRES SUEÑOS UNIT THREE**  
**SUBDIVISION IMPROVEMENTS**

**SHEET TITLE**  
GR CAMPUZANO DRIVE  
PLAN & PROFILE  
FROM STA. 14+00.00  
TO STA. 16+29.84

**SHEET NO.**  
8



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 U.S. SPRINT TELECOMM (800) 521-0579  
 STREET DEPT. - SIGNAL & SIGN (915) 621-6750  
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**WARNING ! BEFORE YOU DIG**

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

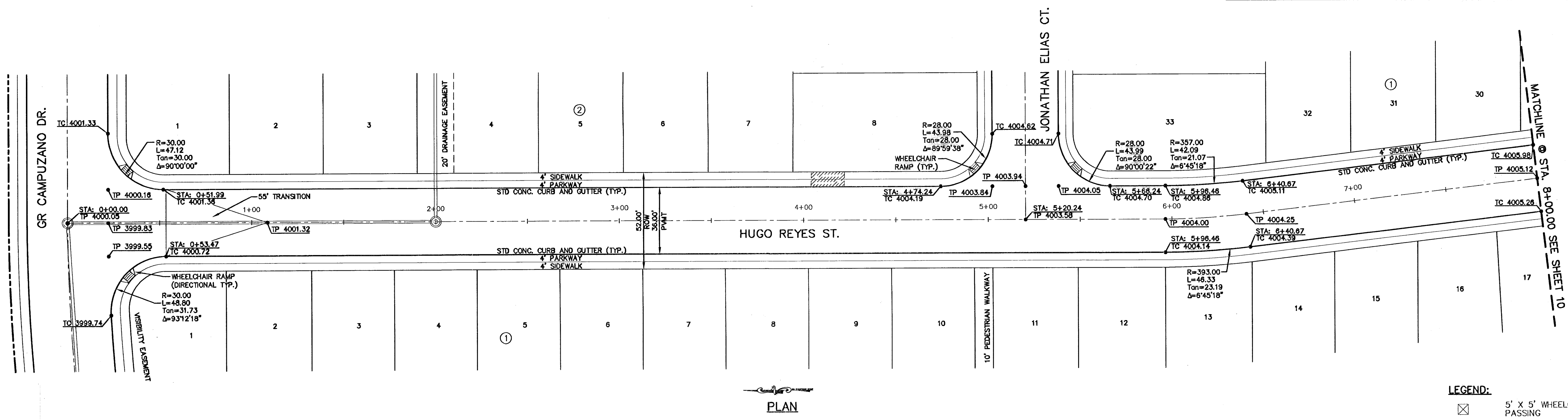
REFERENCES - BENCHMARKS

CITY MONUMENT AT POINT OF CURVE	DATE	BY
CENTERLINE RICH BEEM BLVD. 508'43.31' E		
A DISTANCE OF 467.58 FEET FROM THE		
SOUTHERLY RIGHT OF WAY LINE OF		
MONTANA AVENUE CITY DATUM		
ELEVATION.....4005.40		

**CEA GROUP**  
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 Office 915.544.5232 Fax 915.544.5233  
 www.ceagroup.net

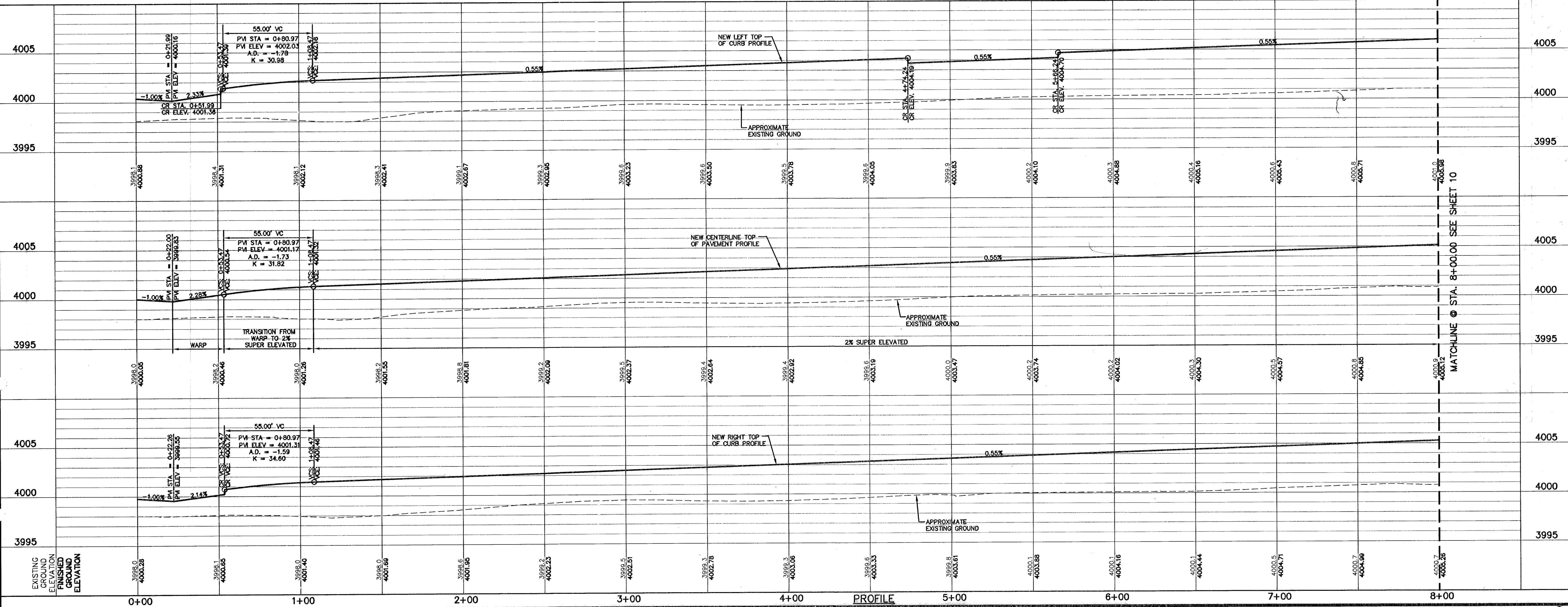
ENGINEER'S SEAL

(REC. 148.78 ACRES)  
 \*\*\*BOOK 2104, PAGE 0085  
 FUTURE SCHOOL SITE



PLAN

**LEGEND:**  
 5' X 5' WHEELCHAIR PASSING  
 WHEELCHAIR RAMP (TYP.)



SCALE: 1" = 30'  
 Horizontal: 1" = 5'  
 Vertical: 1" = 5'  
 Contour Interval: 1/4'  
 DATE: AUGUST 2007  
 DESIGN BY: R.O.  
 DRAWN BY: R.O.  
 CHKD. BY: J.L.A.  
 APPVD. BY: J.L.A.  
 JOB NO. 2250-017-10

PROJECT TITLE  
**TRES SUEÑOS UNIT THREE  
 SUBDIVISION IMPROVEMENTS**

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

SHEET NO.  
**9**  
 OF 26



**RECORD DRAWINGS**

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**UTILITY LOCATOR SERVICES**

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- 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
- STREET DEPT. - SIGNAL & SIGN (915) 621-6750 (AFTER HOURS) (915) 240-3220

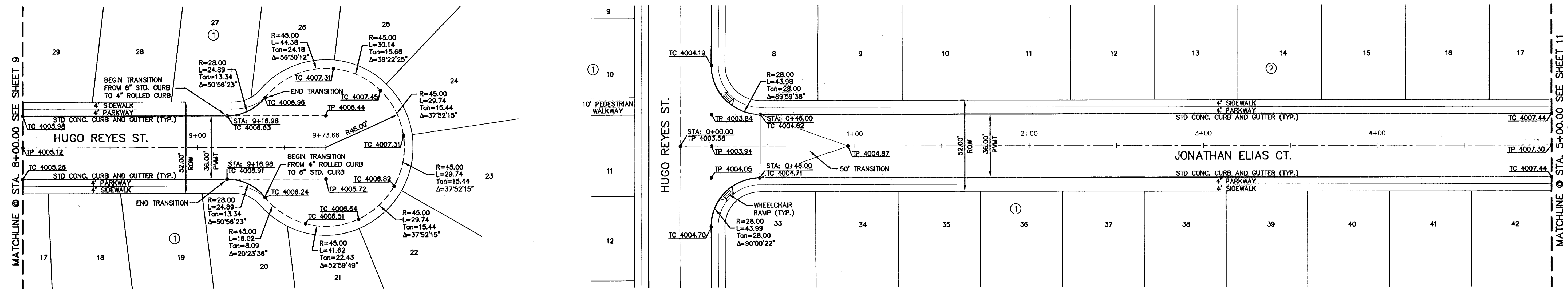
**WARNING! BEFORE YOU DIG**

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

DATE	REVISIONS	BY

REFERENCES - BENCHMARKS  
CITY MONUMENT AT POINT OF CURVE  
CENTERLINE RICH BEEM BLDG. 508+43.31' E  
SOUTHERN RICH BEEM BLDG. 508+43.31' E  
MONTANA AVENUE CITY DATUM  
ELEVATION.....4005.40

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www.csagroup.net

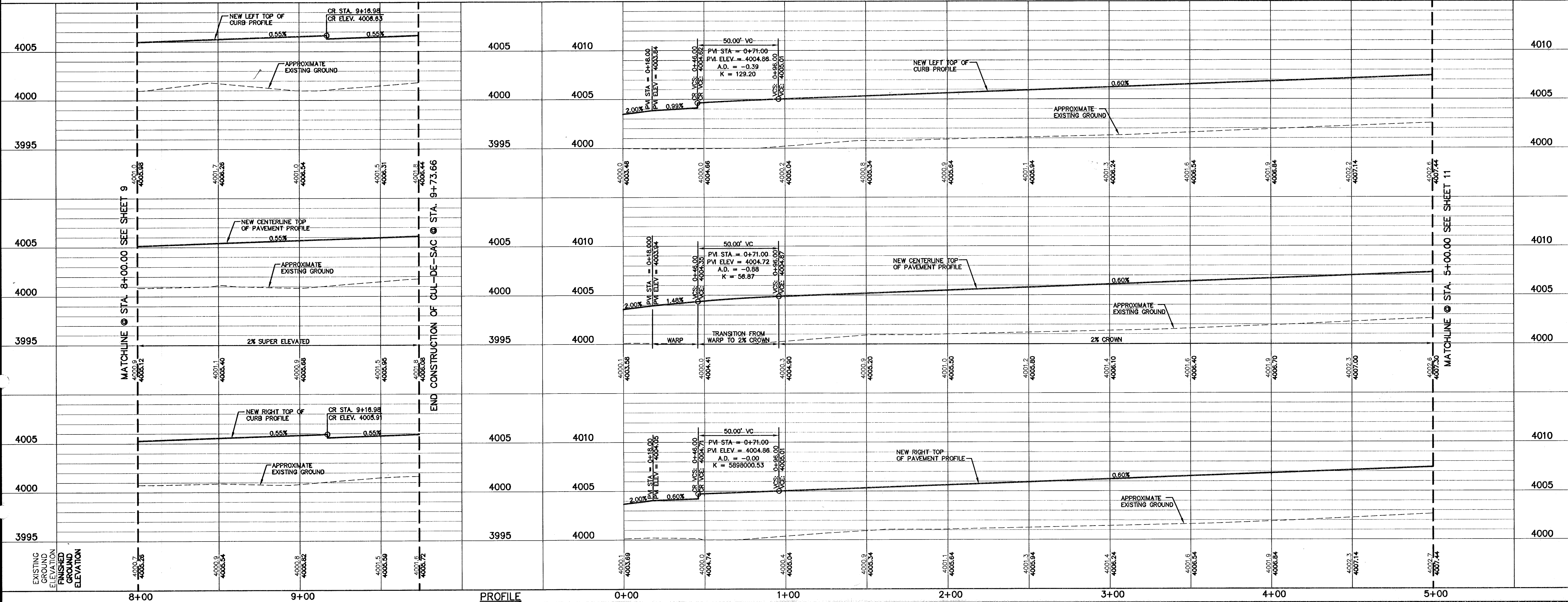
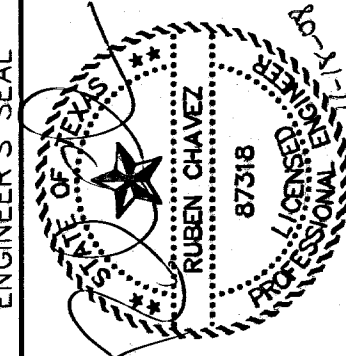


PLAN

PLAN

**LEGEND:**

- 5' X 5' WHEELCHAIR PASSING
- WHEELCHAIR RAMP (TYP.)



PROFILE

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

DATE: AUGUST 2007  
DESIGN BY: R.O.  
DRAWN BY: J.L.A.  
CHKD. BY: J.L.A.  
APPVD. BY: J.L.A.  
JOB No. 2250-017-1-D

PROJECT TITLE  
**TRES SUEÑOS UNIT THREE  
SUBDIVISION IMPROVEMENTS**

SHEET TITLE  
**HUGO REYES STREET  
PLAN & PROFILE  
FROM STA. 8+00.00  
TO STA. 9+73.66**

**JONATHAN ELIAS COURT  
PLAN & PROFILE  
FROM STA. 0+00.00  
TO STA. 5+00.00**

SHEET NO.  
**10**

OF 12



**RECORD DRAWINGS**

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**UTILITY LOCATOR SERVICES**

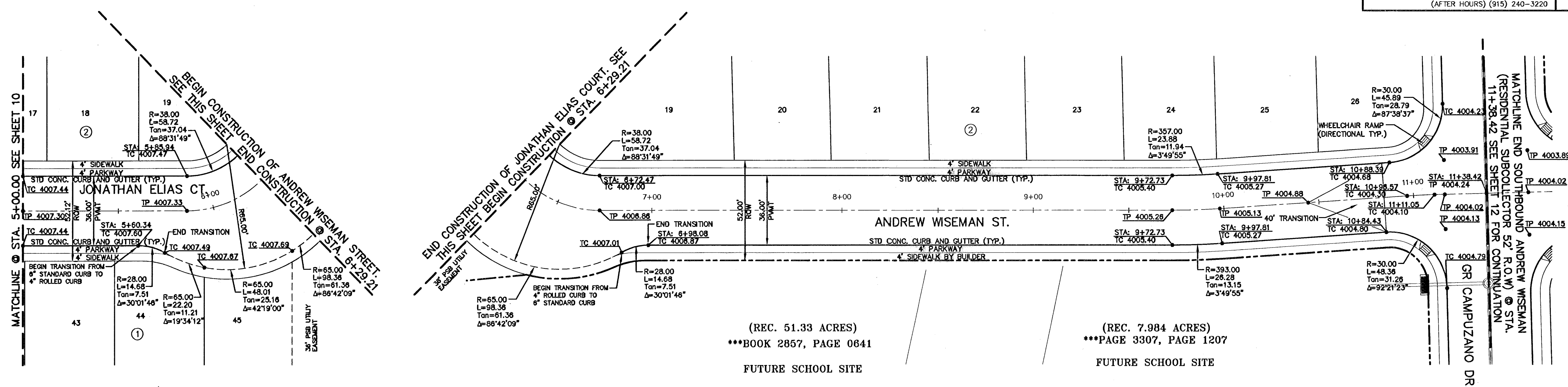
EL PASO ELECTRIC COMPANY	(915) 543-5720
EL PASO ENERGY CORPORATION	(915) 496-5244
EL PASO WATER UTILITIES	(915) 594-5500
MCI SURVEILLANCE	(800) MCI-WORK
TIME WARNER COMMUNICATIONS	(915) 772-1123
TEXAS GAS SERVICE	(915) 680-7200
SBC	(800) 545-6005
AT&T	(800) 852-3786
U.S. SPRINT TELECOMM	(800) 521-0579
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	(915) 240-3220

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

REFERENCES - BENCHMARKS

CITY MONUMENT AT POINT OF CURVE  
CENTERLINE RICH BEEM BLVD., S08+33.1' E  
A DISTANCE OF 467.58 FEET FROM THE  
SOUTHERLY RIGHT OF WAY LINE OF  
MONTANA AVENUE CITY DATUM  
ELEVATION.....4005.40

DATE	REVISIONS	BY



(REC. 51.33 ACRES)  
\*\*\*BOOK 2857, PAGE 0841  
FUTURE SCHOOL SITE

(REC. 7.984 ACRES)  
\*\*\*PAGE 3307, PAGE 1207  
FUTURE SCHOOL SITE

PLAN

PLAN

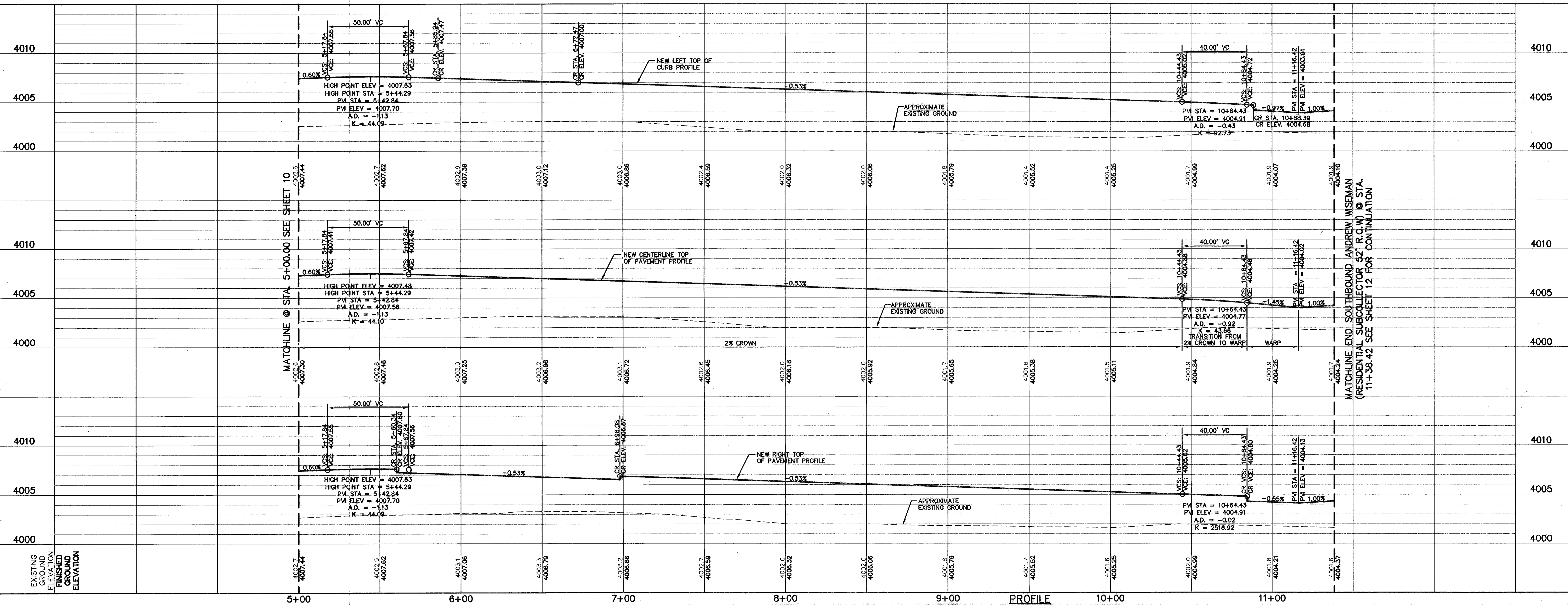
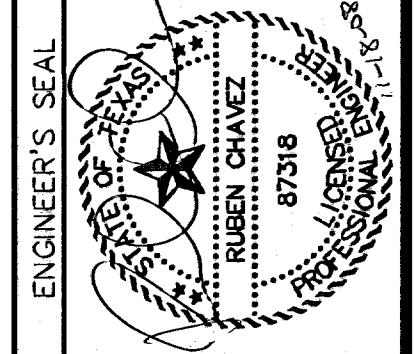
**LEGEND:**

⊗ 5' x 5' WHEELCHAIR PASSING

⊕ WHEELCHAIR RAMP (TYP.)

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www.oegroup.net



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

Center Interval: N/A

DATE: AUGUST 2007  
DESIGN BY: R.O.  
DRAWN BY: J.L.A.  
CHKD. BY: J.L.A.  
APP. O. BY: J.L.A.  
JOB No. 2250-017-1D

**PROJECT TITLE**

TRES SUEÑOS UNIT THREE  
SUBDIVISION IMPROVEMENTS

**SHEET TITLE**

JONATHAN ELIAS CT.  
PLAN & PROFILE  
FROM STA. 5+00.00  
TO STA. 8+29.21

ANDREW WISEMAN ST.  
PLAN & PROFILE  
FROM STA. 6+29.21  
TO STA. 11+38.42

**SHEET NO.**

11



RECORD DRAWINGS

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UTILITY LOCATOR SERVICES

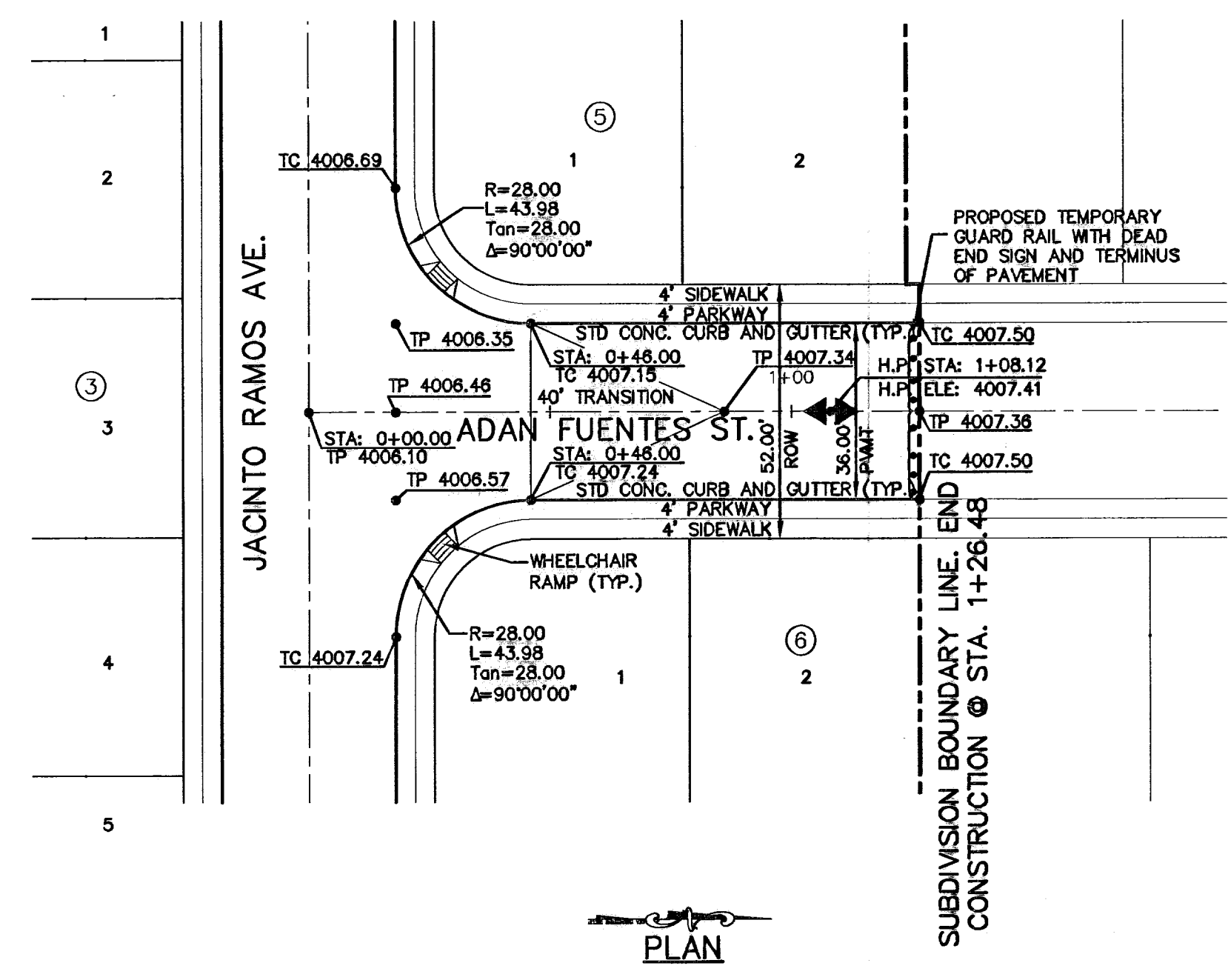
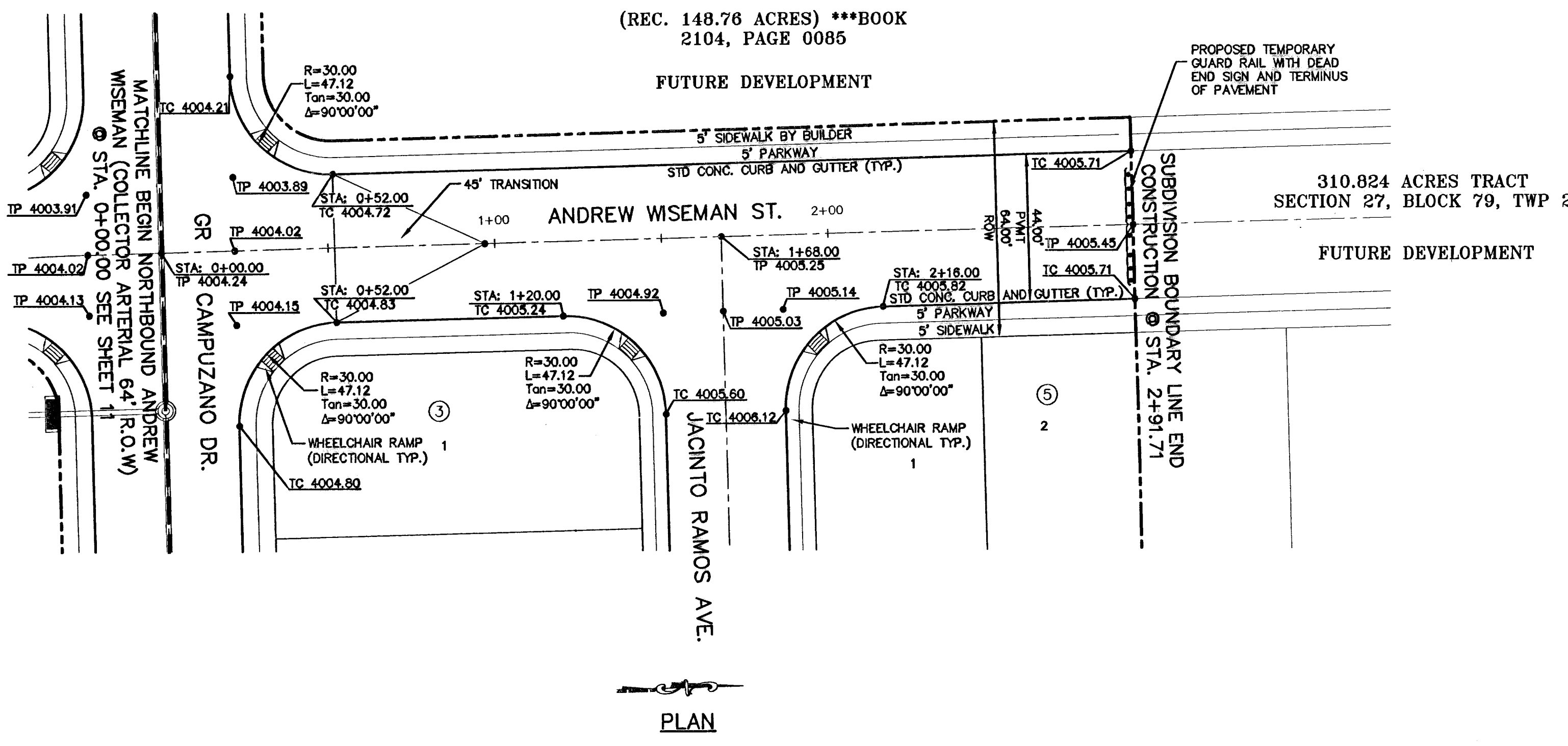
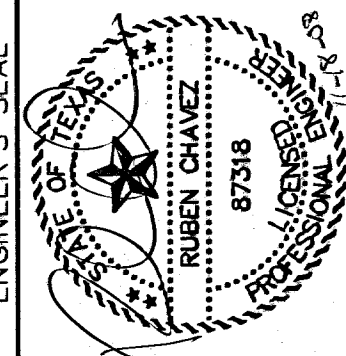
EL PASO ELECTRIC COMPANY (915) 543-5720
EL PASO ENERGY CORPORATION (915) 496-5244
EL PASO WATER UTILITIES (915) 594-5500
MCI SURVEILLANCE (800) MCI-WORK
TIME WARNER COMMUNICATIONS (915) 772-1123
TEXAS GAS SERVICE (915) 680-7200
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AT&T (800) 852-3786
U.S. SPRINT TELECOMM (800) 521-0579
STREET DEPT. - SIGNAL & SIGN (915) 621-8750
(SIGNAL & SIGN) (915) 240-3220

WARNING! BEFORE YOU DIG

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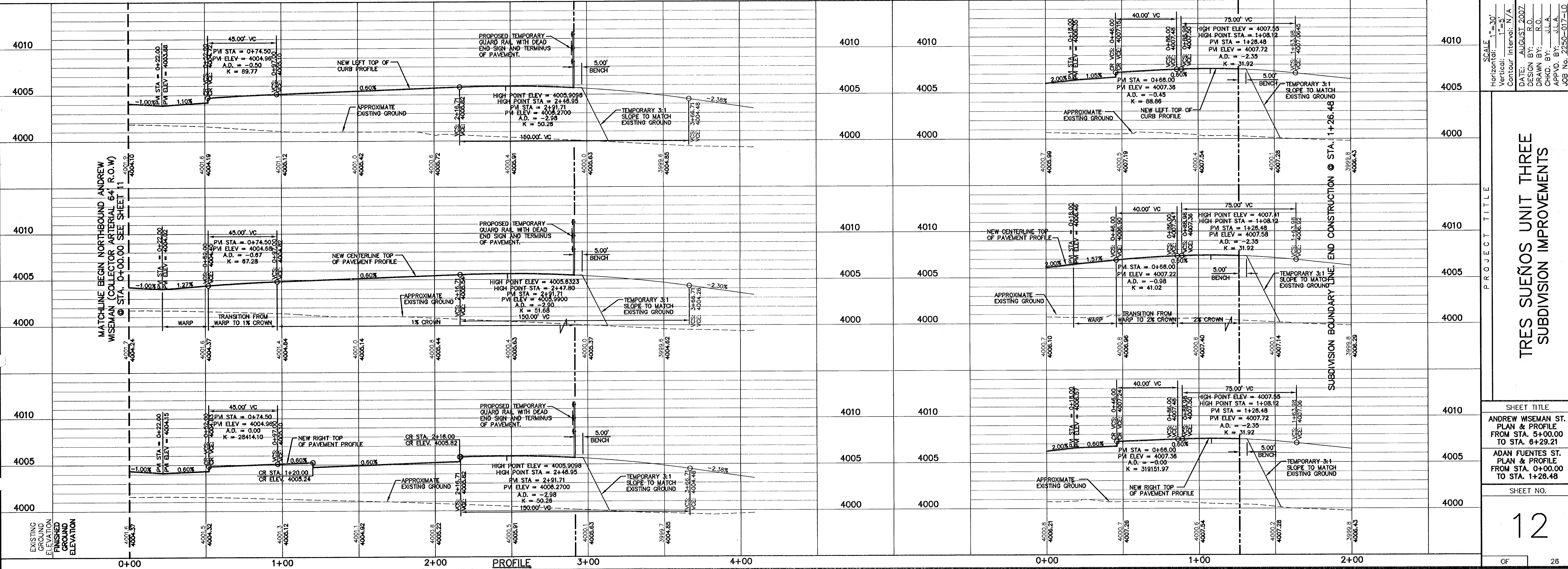
Table with columns: CITY MONUMENT AT POINT OF CURVE, CITY BENCH BEING BLVD OR HWY, DISTANCE OF 487 FEET FROM THE SOUTHERLY RIGHT OF WAY LINE OF MONTANA AVENUE CITY DATUM ELEVATION.....4005.40, DATE, REVISIONS, BY

CSA GROUP engineers • architects • planners 1204 Montana Ave., El Paso, Texas 79902 Office 915.544.5232 Fax 915.544.5233 www.csagroup.net



PLAN

- LEGEND: 5' X 5' WHEELCHAIR PASSING, WHEELCHAIR RAMP (TYP.)



SCALE: Horizontal: 1"=30', Vertical: 1"=5', Contour Interval: N/A, DATE: AUGUST 2007, DESIGN BY: R.O., DRAWN BY: J.L.A., CHKD. BY: J.L.A., APP'D. BY: J.L.A., JOB No. 2250-017-1D

TRES SUEÑOS UNIT THREE SUBDIVISION IMPROVEMENTS

SHEET TITLE: ANDREW WISEMAN ST. PLAN & PROFILE FROM STA. 5+00.00 TO STA. 6+29.21, ADAN FUENTES ST. PLAN & PROFILE FROM STA. 0+00.00 TO STA. 1+28.48, SHEET NO.

12 OF 26

600828



**RECORD DRAWINGS**

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**UTILITY LOCATOR SERVICES**

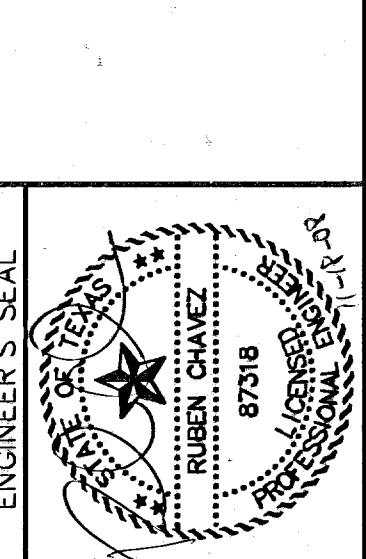
EL PASO ELECTRIC COMPANY (915) 543-5720  
 EL PASO ENERGY CORPORATION (915) 496-5244  
 EL PASO WATER UTILITIES (915) 594-5500  
 MCI SURVEILLANCE (800) MCI-WORK  
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 SBC (800) 545-6005  
 AT&T (800) 852-3788  
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 STREET DEPT. - SIGNAL & SIGN (915) 621-8750  
 (AFTER HOURS) (915) 240-3220

**WARNING I BEFORE YOU DIG**

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

REFERENCES - BENCHMARKS  
 CITY MONUMENT AT POINT OF CURVE  
 CENTERLINE RICH BEEM BLVD., S08+42.31' E  
 A DISTANCE OF 467.58 FEET FROM THE  
 SOUTHERLY RIGHT OF WAY LINE OF  
 MONTANA AVENUE CITY DATUM  
 ELEVATION: 4005.40

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



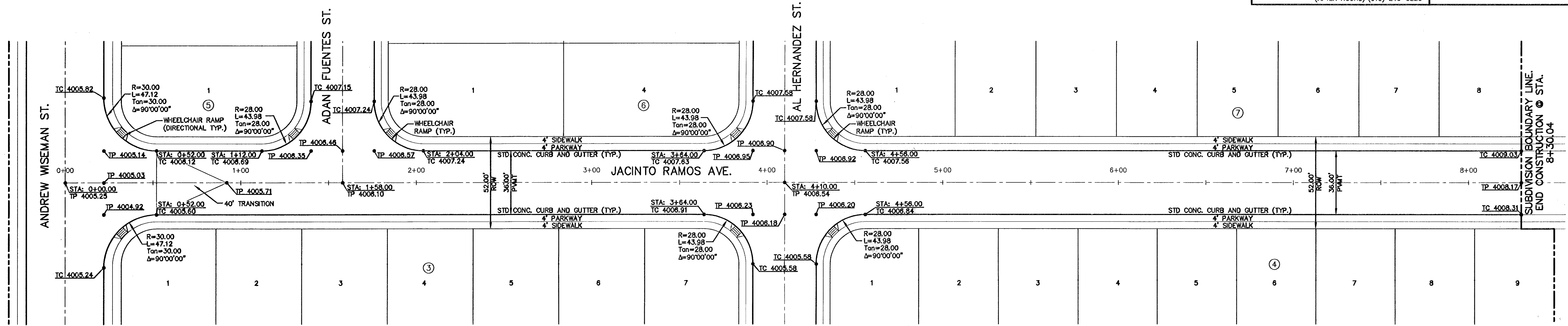
SCALE: 1" = 30'  
 Horizontal: 1" = 30'  
 Vertical: 1" = 10'  
 Contour Interval: 1' / 2'  
 DATE: AUGUST 2007  
 DESIGN BY: R.O.  
 DRAWN BY: J.L.A.  
 CHKD. BY: J.L.A.  
 APP'D. BY: J.L.A.  
 JOB No. 2250-017-1-D

PROJECT TITLE  
**TRES SUEÑOS UNIT THREE  
 SUBDIVISION IMPROVEMENTS**

SHEET TITLE  
**JACINTO RAMOS AVE.  
 PLAN & PROFILE  
 FROM STA. 0+00.00  
 TO STA. 8+30.04**

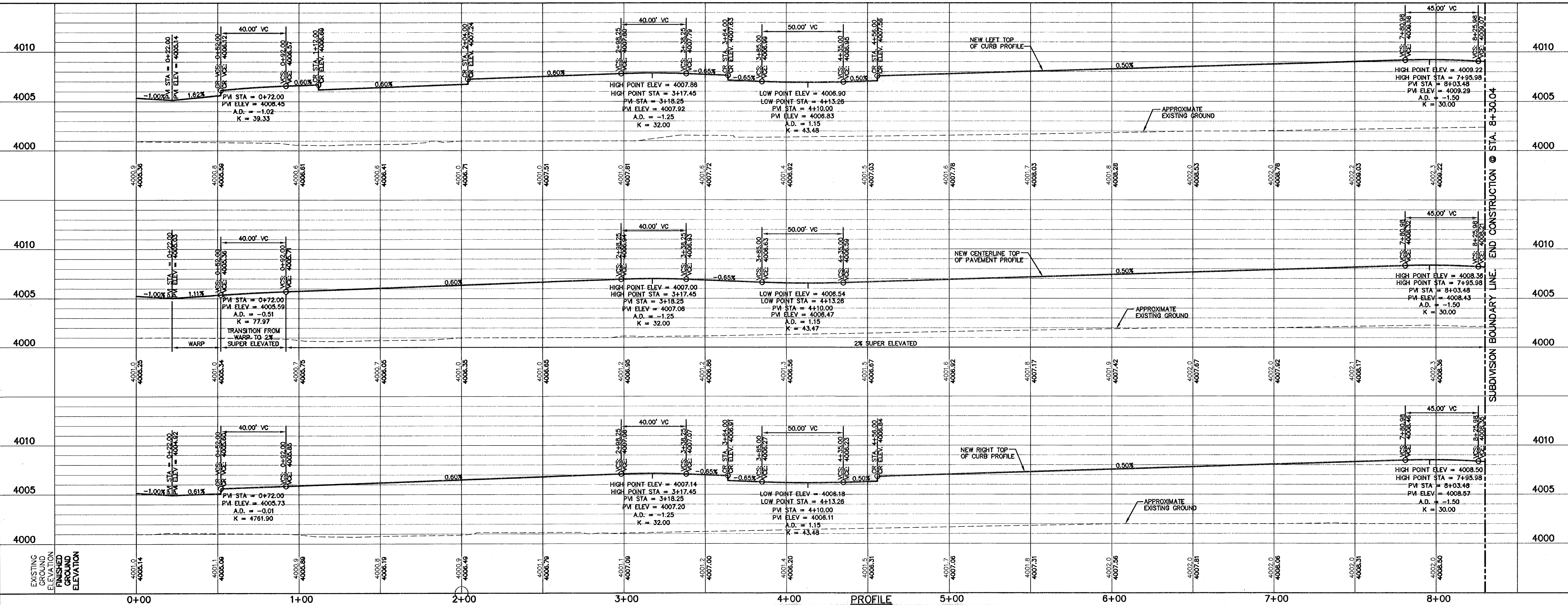
SHEET NO.  
**13**

OF 26



**PLAN**

**LEGEND:**  
 5' X 5' WHEELCHAIR PASSING  
 WHEELCHAIR RAMP (TYP.)



SUBDIVISION BOUNDARY LINE. END CONSTRUCTION @ STA. 8+30.04



**RECORD DRAWINGS**

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**UTILITY LOCATOR SERVICES**

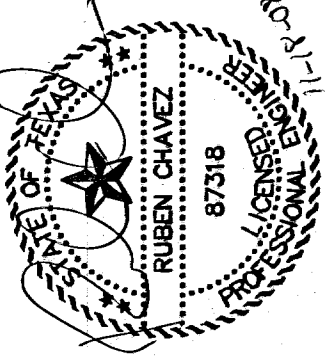
EL PASO ELECTRIC COMPANY (915) 543-5720  
 EL PASO ENERGY CORPORATION (915) 496-5244  
 EL PASO WATER UTILITIES (915) 594-5500  
 MCI SURVEILLANCE (800) MCI-WORK  
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 SBC (800) 545-6005  
 AT&T (800) 852-3786  
 U.S. SPRINT TELECOMM (800) 521-0579  
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 (AFTER HOURS) (915) 240-3220

**WARNING I BEFORE YOU DIG**

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

REFERENCES - BENCHMARKS  
 CITY MONUMENT AT POINT OF CURVE  
 CENTERLINE RICH BEEM BLVD. S08°43'31"E  
 A DISTANCE OF 487.58 FEET FROM THE  
 SOUTHERLY RIGHT OF WAY LINE OF  
 MONTANA AVENUE CITY DATUM  
 ELEVATION.....4005.40

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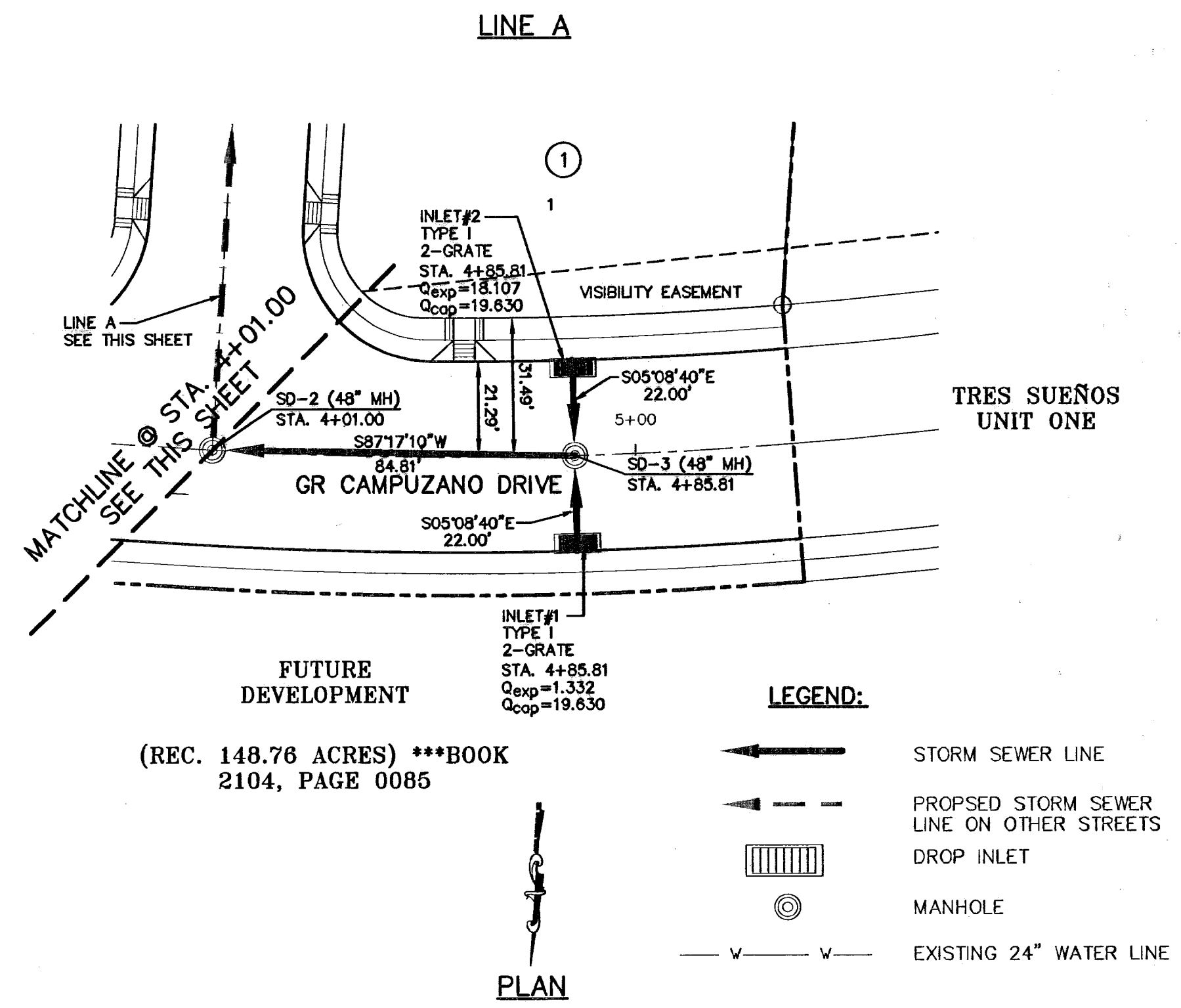
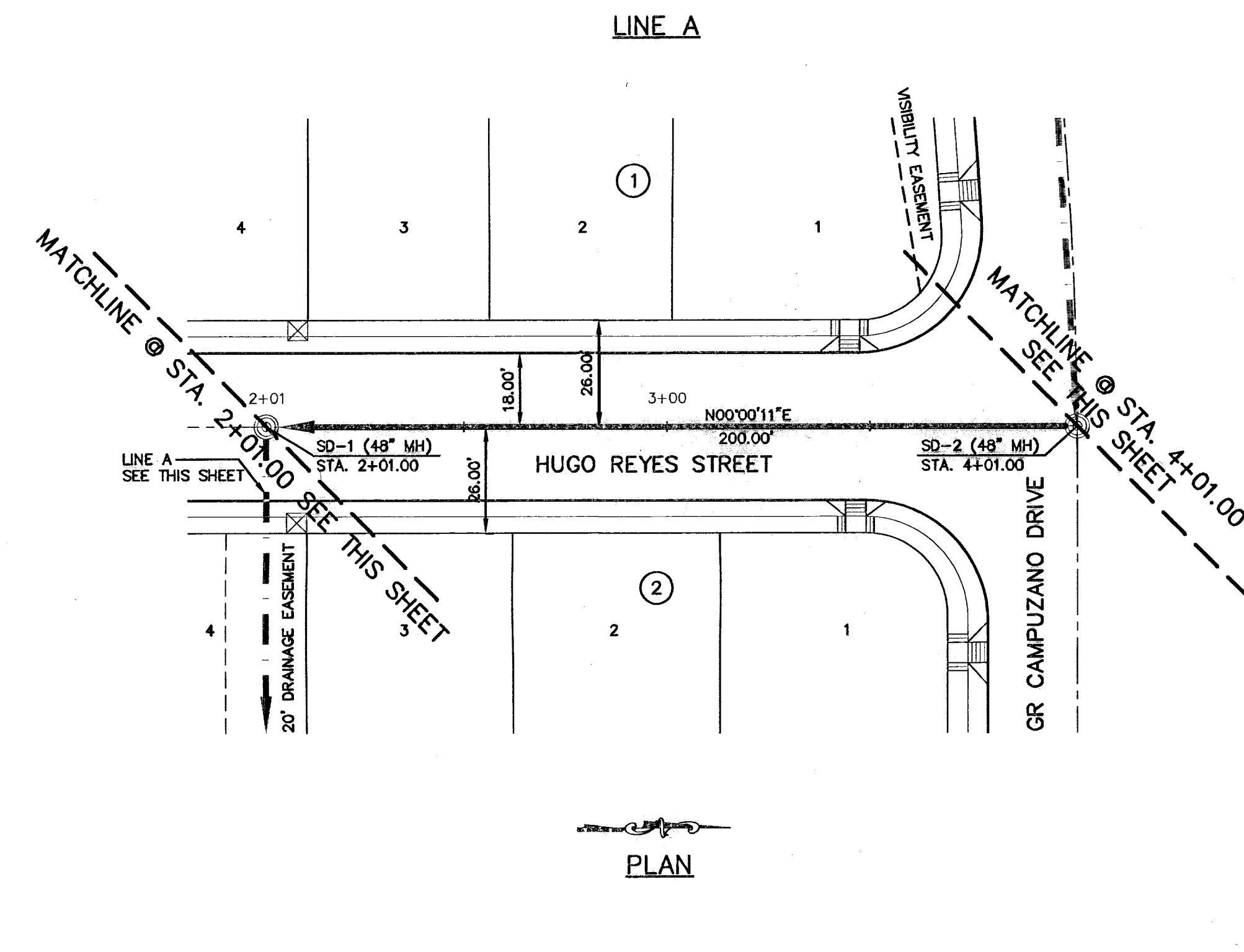
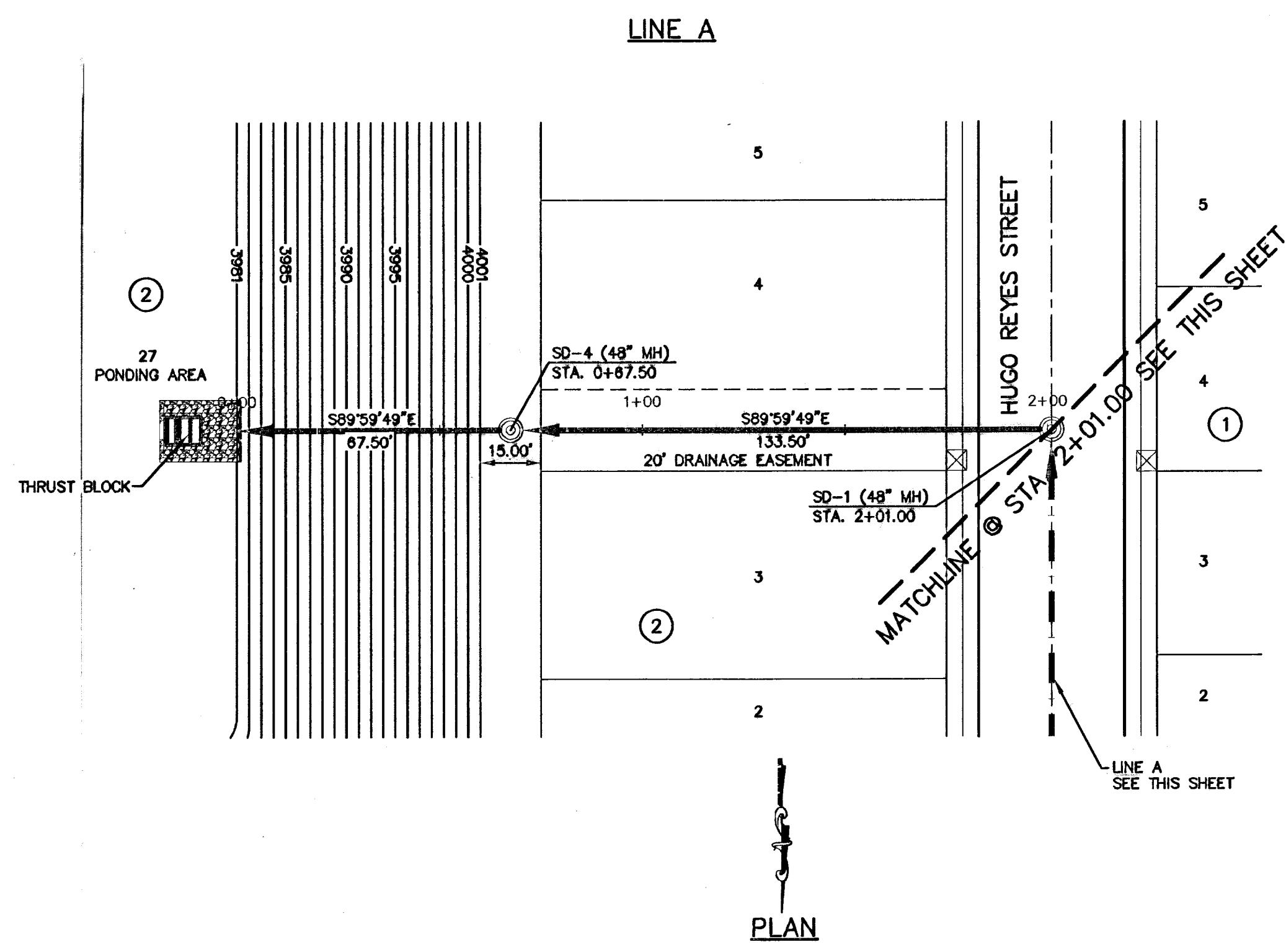


SCALE: 1" = 30'  
 Horizontal: 1" = 5'  
 Vertical: 1" = 5'  
 Contour Interval: N/A  
 DATE: DECEMBER 2007  
 DESIGN BY: R.O.  
 DRAWN BY: J.L.A.  
 CHKD. BY: J.L.A.  
 APPVD. BY: J.L.A.  
 JOB No. 2250-017-LD

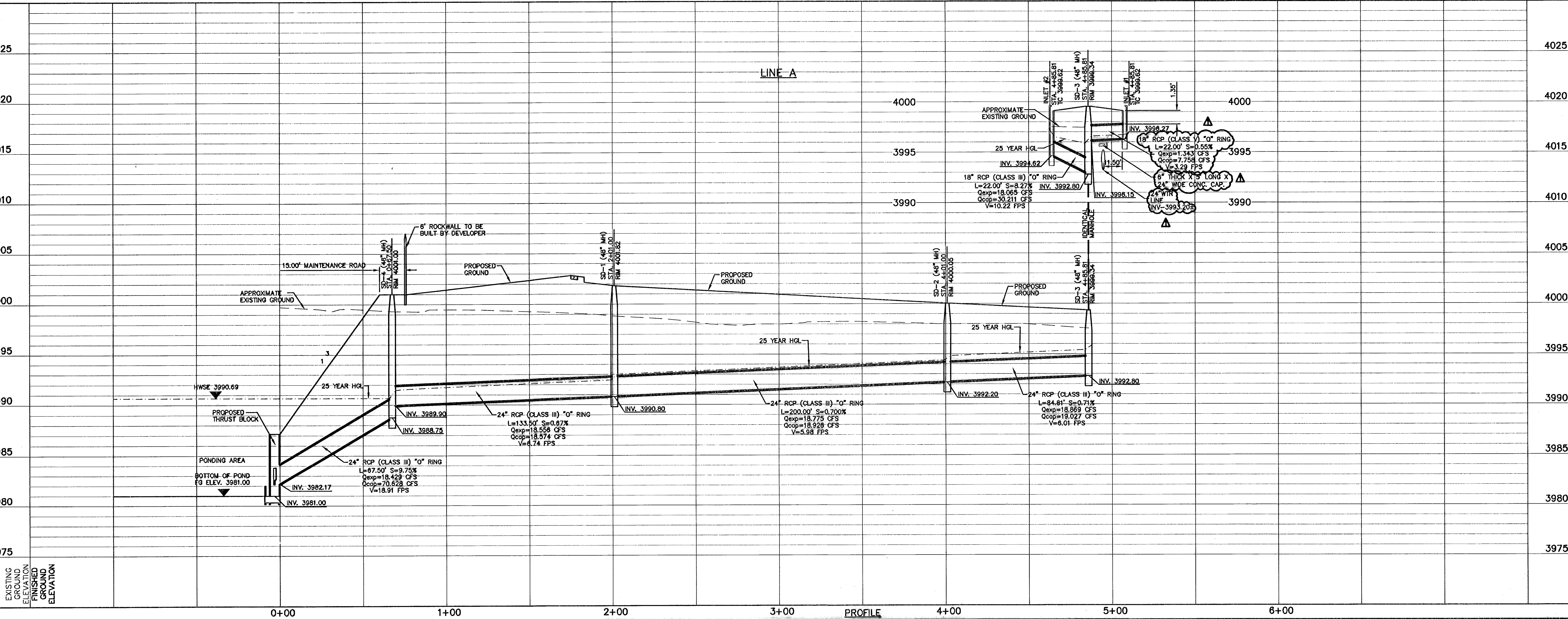
**TRES SUEÑOS UNIT THREE  
 SUBDIVISION IMPROVEMENTS**

SHEET TITLE  
**STORM DRAIN  
 PLAN & PROFILE  
 LINE A  
 FROM STA. 0+00.00  
 TO STA. 4+85.81**

SHEET NO.  
**14**



**LEGEND:**  
 STORM SEWER LINE  
 PROPOSED STORM SEWER LINE ON OTHER STREETS  
 DROP INLET  
 MANHOLE  
 EXISTING 24" WATER LINE





**RECORD DRAWINGS**

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8/18/08

**UTILITY LOCATOR SERVICES**

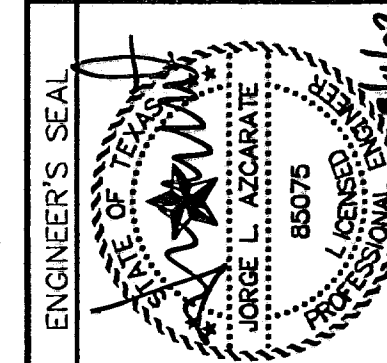
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 MCI SURVEILLANCE (800) MCI-WORK  
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 AT&T (800) 852-3786  
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REFERENCES - BENCHMARKS  
 CITY MONUMENT AT POINT OF CURVE  
 CENTERLINE RICH BEEM BLVD., S08°43'31" E  
 A DISTANCE OF 467.58 FEET FROM THE  
 SOUTHERLY RIGHT OF WAY LINE OF  
 MONTANA AVENUE CITY DATUM  
 ELEVATION: 4005.40

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 www.ceagroup.net



SCALE: Horizontal: 1" = 30'  
 Vertical: 1" = 5'  
 Contour Interval: N/A  
 DATE: DECEMBER 2007  
 DESIGN BY: R.O.  
 DRAWN BY: J.L.A.  
 CHKD. BY: J.L.A.  
 APPVD. BY: J.L.A.  
 JOB No. 2250-017-1D

**TRES SUEÑOS UNIT THREE  
 SUBDIVISION IMPROVEMENTS**

SHEET TITLE  
**STORM DRAIN  
 PLAN & PROFILE  
 LINE B  
 FROM STA. 0+00.00  
 TO STA. 7+50.00**

SHEET NO.  
**15-R**

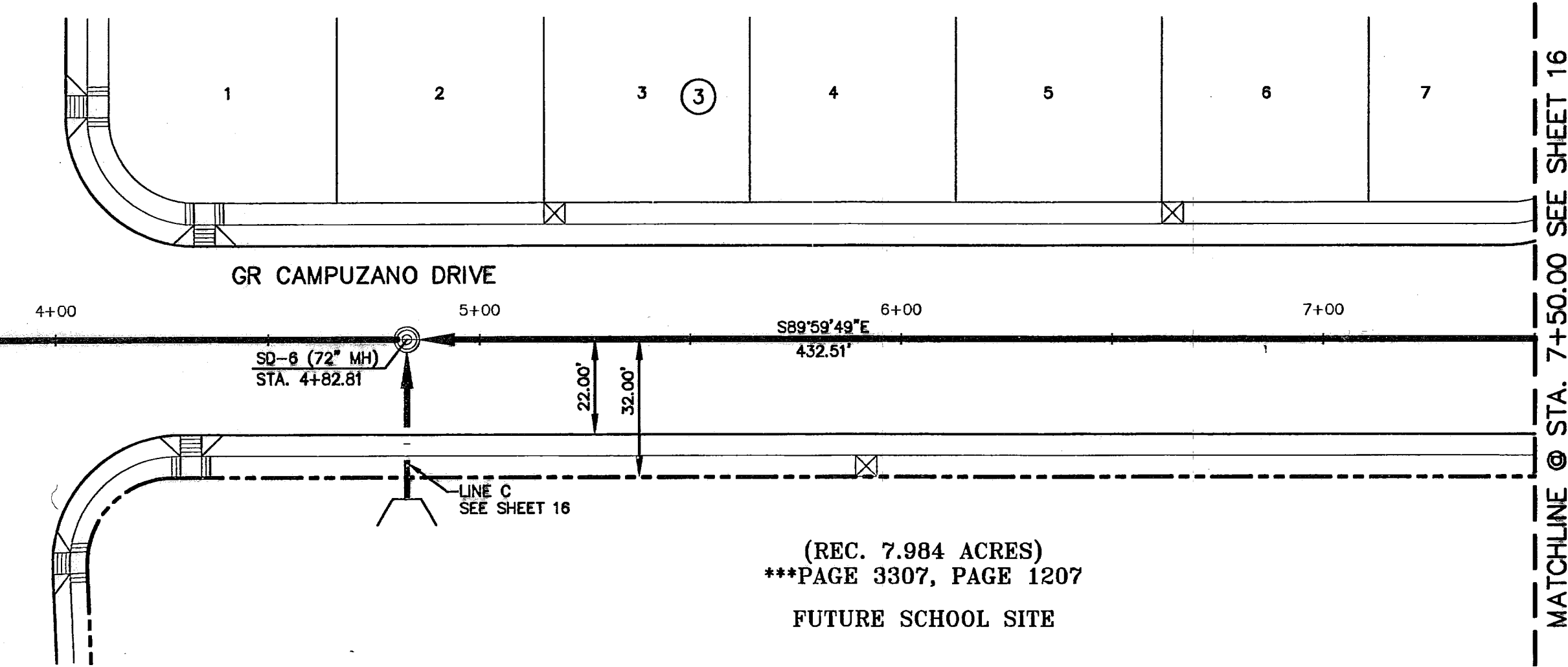
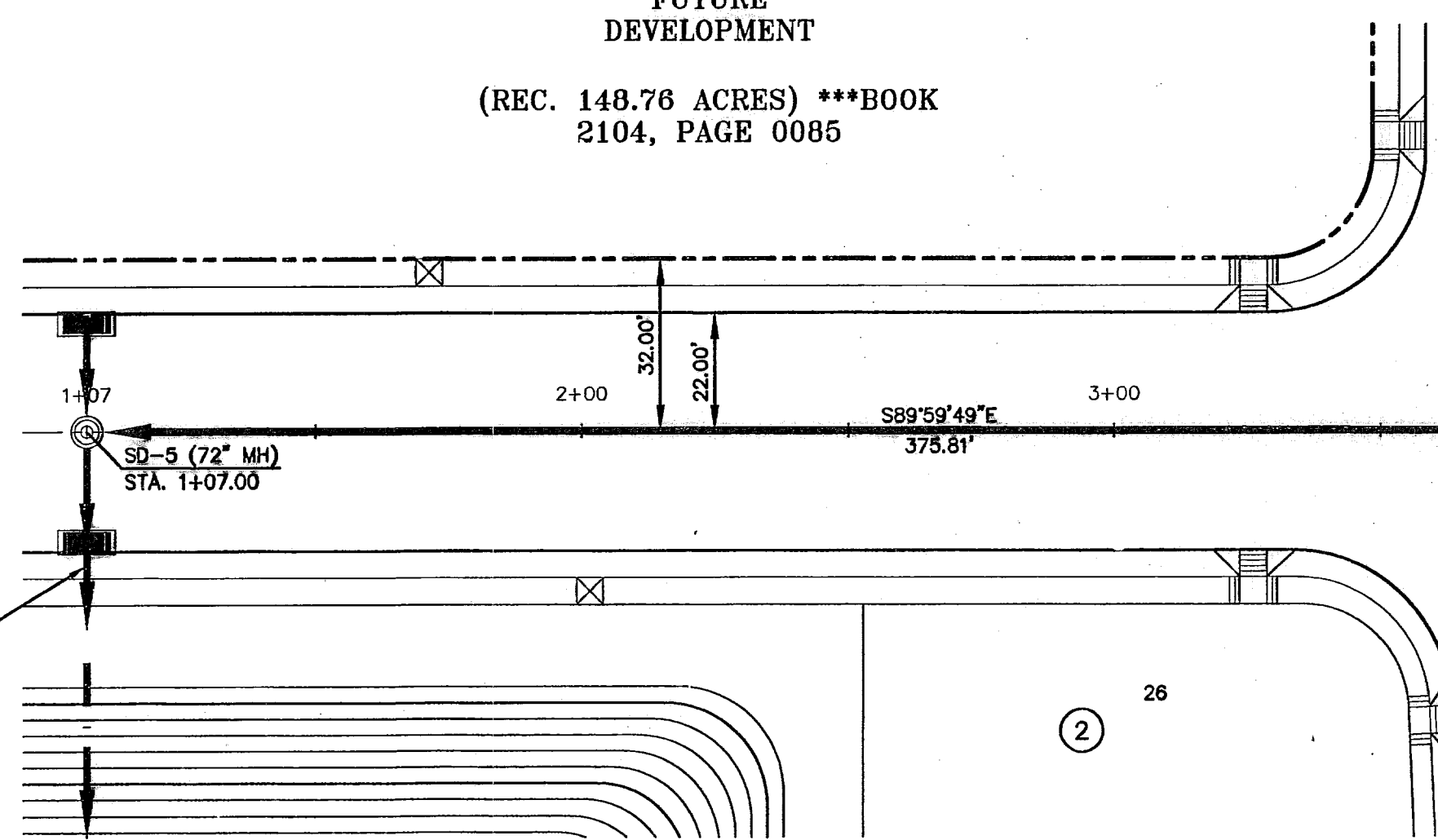
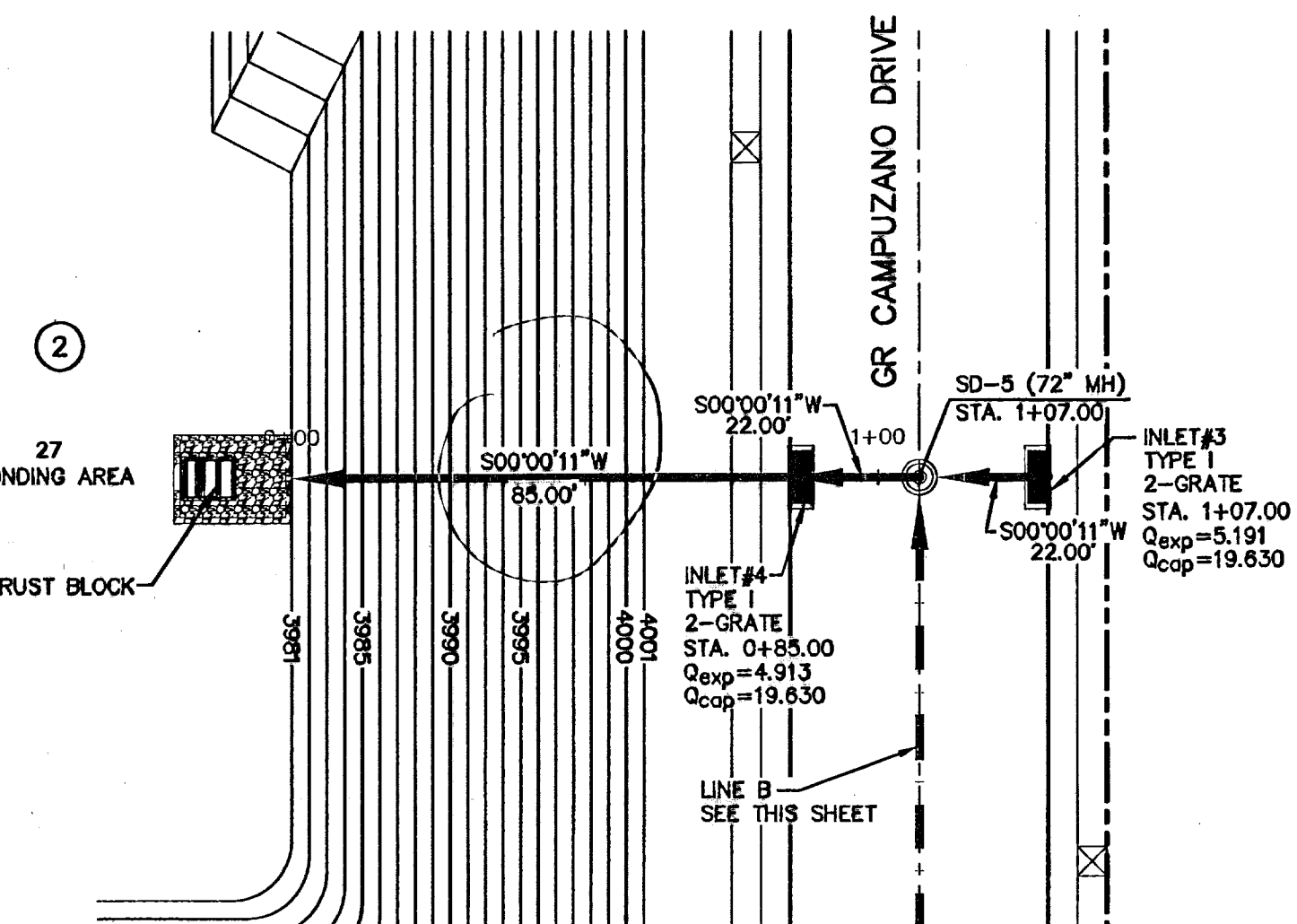
OF 26

LINE B

LINE B

FUTURE DEVELOPMENT  
 (REC. 148.76 ACRES) \*\*\*BOOK  
 2104, PAGE 0085

(REC. 7.984 ACRES)  
 \*\*\*PAGE 3307, PAGE 1207  
 FUTURE SCHOOL SITE

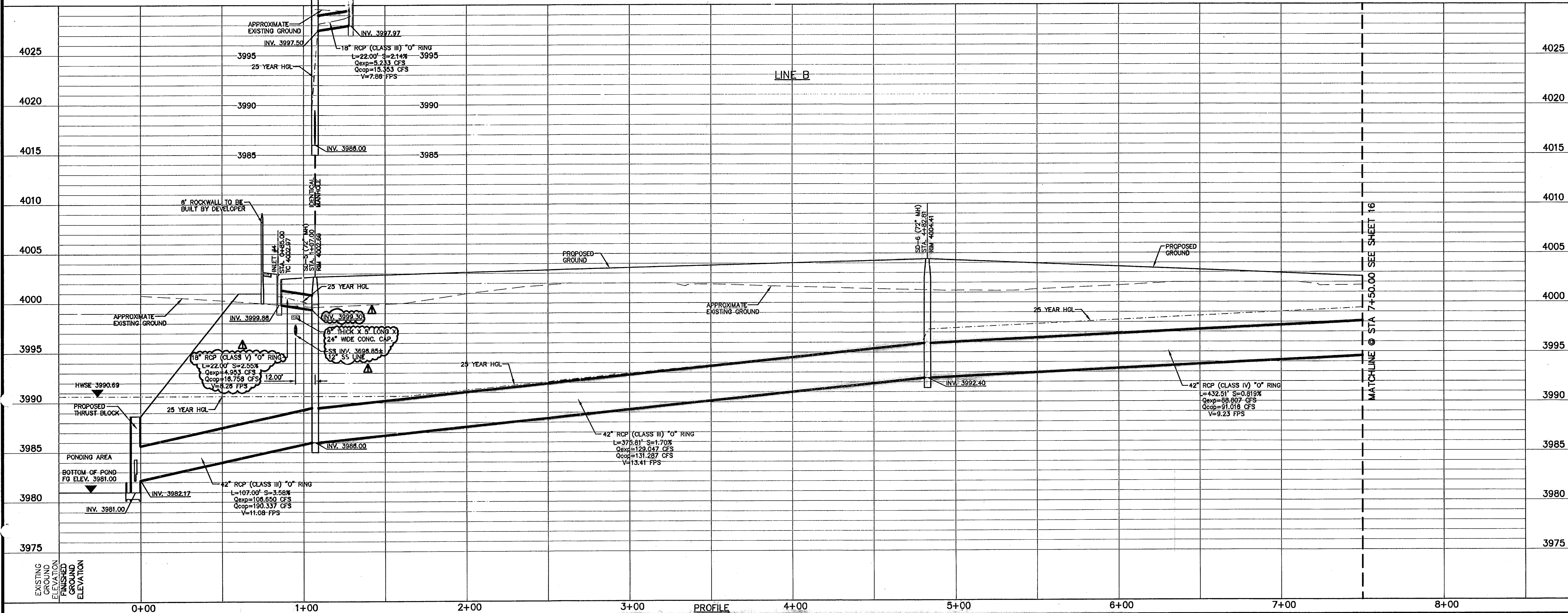


PLAN

PLAN

**LEGEND:**

- STORM SEWER LINE
- - - PROPOSED STORM SEWER LINE ON OTHER STREETS
- ▭ DROP INLET
- ⊙ MANHOLE



PROFILE

600828



**RECORD DRAWINGS**

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 EL PASO WATER UTILITIES (915) 594-5500  
 MCI SURVEILLANCE (800) MCI-WORK  
 TIME WARNER COMMUNICATIONS (915) 772-1123  
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 SBC (800) 545-5005  
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 U.S. SPRINT TELECOMM (800) 521-0579  
 STREET DEPT. - SIGNAL & SIGN (915) 621-6750  
 (AFTER HOURS) (915) 240-3220

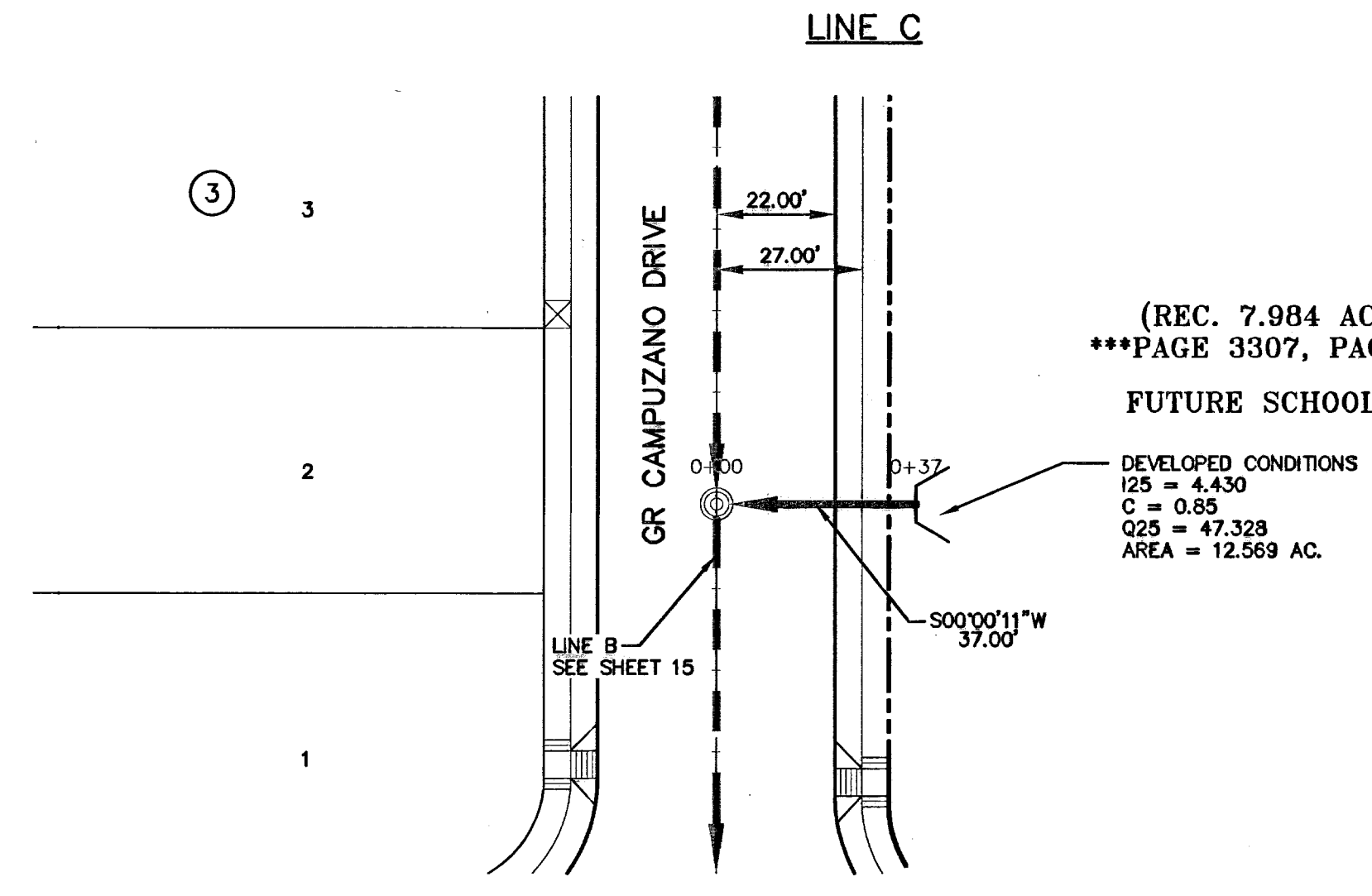
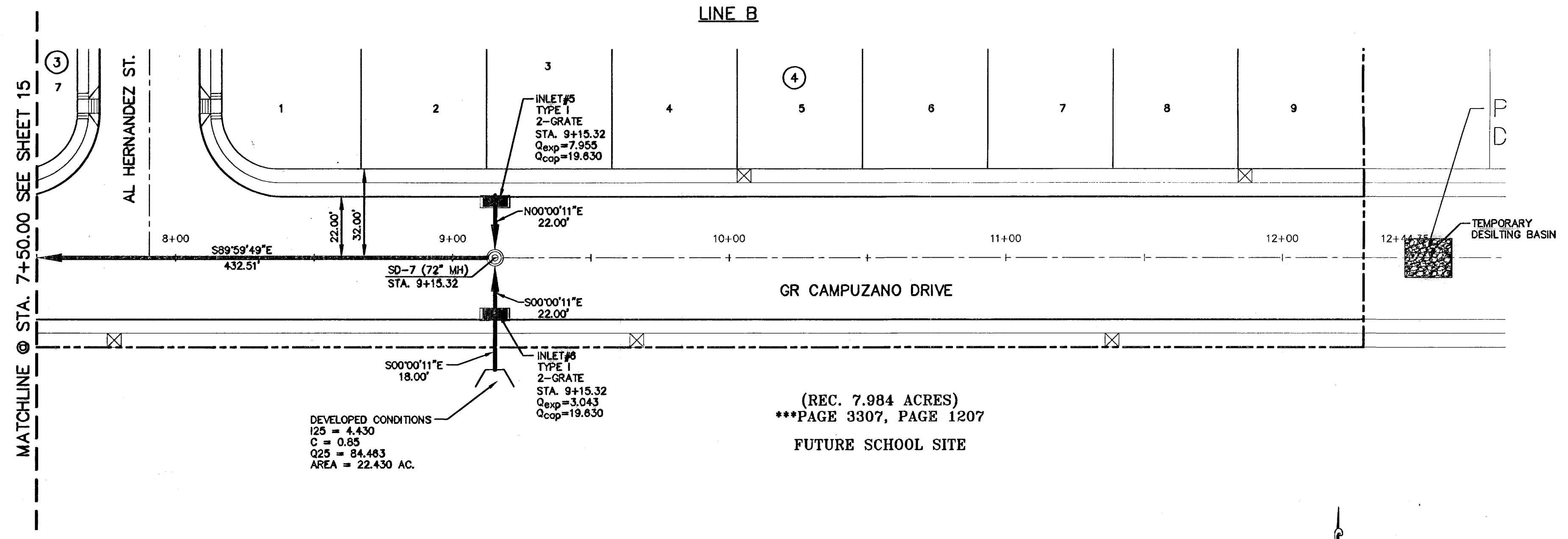
**WARNING I BEFORE YOU DIG**

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

REFERENCES - BENCHMARKS

CITY MONUMENT AT POINT OF CURVE  
 CENTERLINE RICH BEEM BLVD. S28°43'31" E  
 A DISTANCE OF 467.58 FEET FROM THE  
 SOUTHERLY RIGHT OF WAY LINE OF  
 MONTANA AVENUE CITY DATUM  
 ELEVATION.....4005.40

DATE	REVISIONS	BY



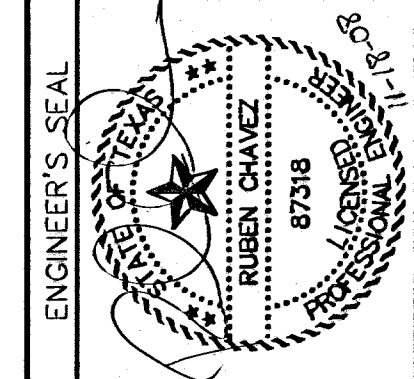
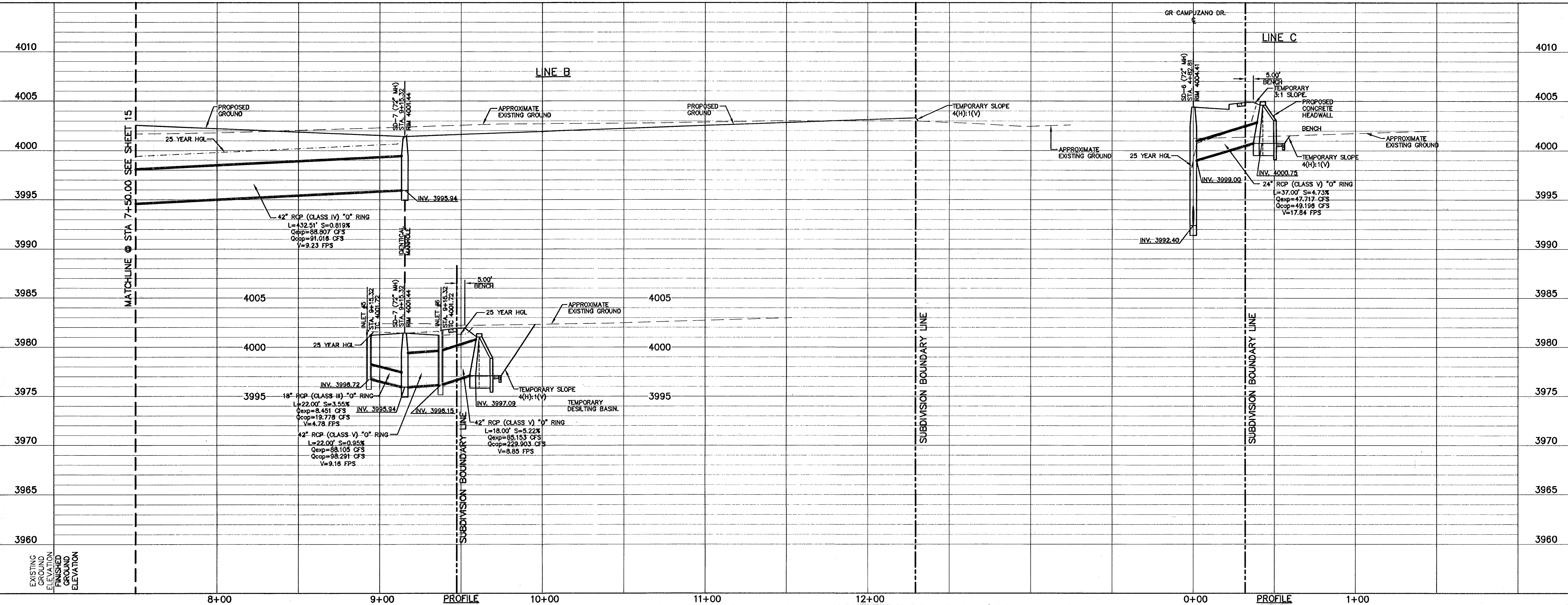
DEVELOPED CONDITIONS  
 I25 = 4.430  
 C = 0.85  
 Q25 = 84.483  
 AREA = 22.430 AC.

(REC. 7.984 ACRES)  
 \*\*\*PAGE 3307, PAGE 1207  
 FUTURE SCHOOL SITE

(REC. 7.984 ACRES)  
 \*\*\*PAGE 3307, PAGE 1207  
 FUTURE SCHOOL SITE  
 DEVELOPED CONDITIONS  
 I25 = 4.430  
 C = 0.85  
 Q25 = 47.328  
 AREA = 12.569 AC.

**LEGEND:**

- STORM SEWER LINE
- PROPOSED STORM SEWER LINE ON OTHER STREETS
- DROP INLET
- MANHOLE



SCALE: Horizontal = 1" = 50'  
 Vertical = 1" = 5'  
 Contour Interval: N/A  
 DATE: AUGUST 2007  
 DESIGN BY: R.O.  
 DRAWN BY: R.O.  
 CHKD. BY: J.L.A.  
 APPVD. BY: J.L.A.  
 JOB No. 2250-017-1D

PROJECT TITLE

**TRES SUEÑOS UNIT THREE  
 SUBDIVISION IMPROVEMENTS**

SHEET TITLE

STORM DRAIN  
 PLAN & PROFILE LINE B  
 FROM STA. 7+50.00  
 TO STA. 9+15.32

STORM DRAIN  
 PLAN & PROFILE LINE C  
 FROM STA. 0+00.00 TO  
 STA. 0+37.00

SHEET NO.

**16**

OF 26

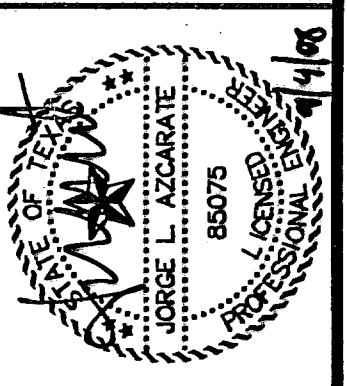
600828



DATE	BY

REFERENCES - BENCHMARKS  
 CITY MONUMENT AT POINT OF CURVE  
 CENTERLINE RICH BEEM BLVD., S08+43.31' E  
 A DISTANCE OF 467.58 FEET FROM THE  
 SOUTHERLY RIGHT OF WAY LINE OF  
 MONTANA AVENUE CITY DATUM  
 ELEVATION.....4005.40

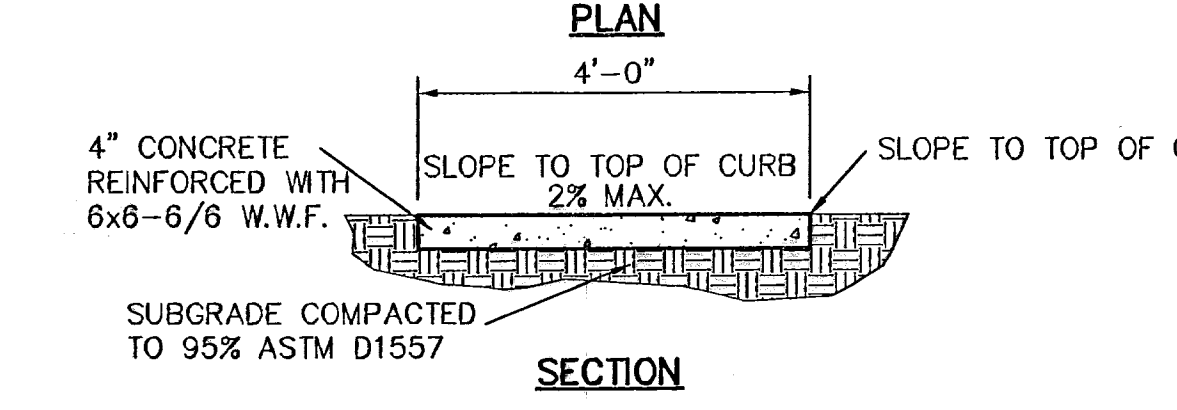
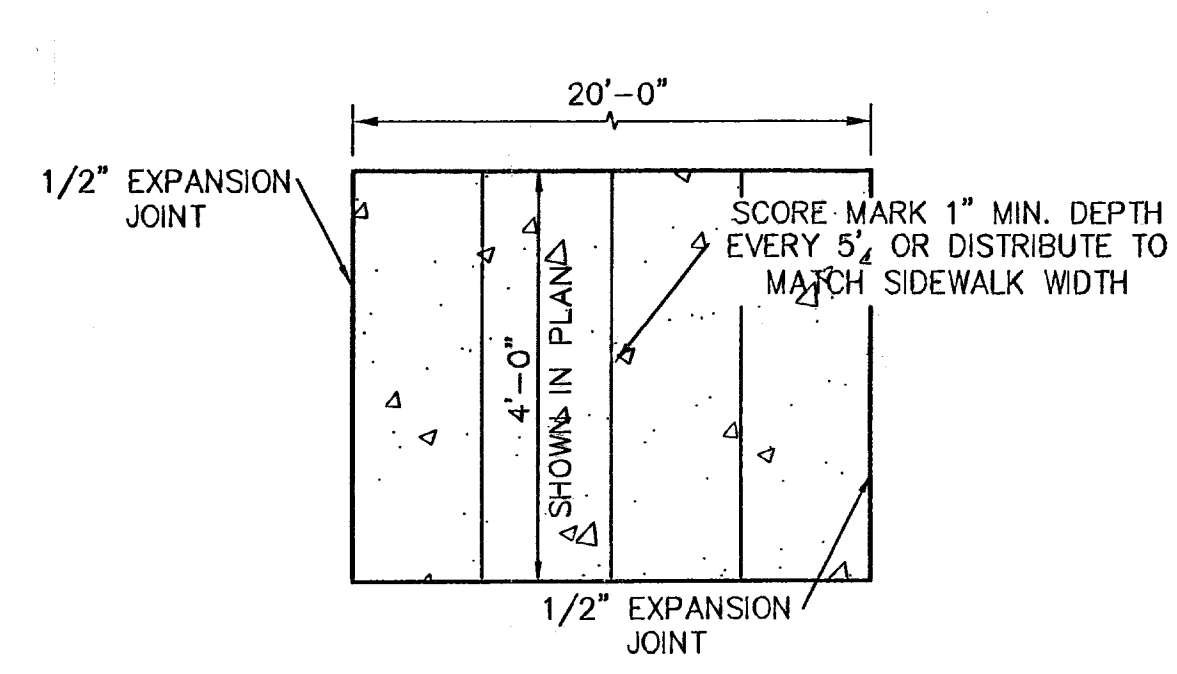
**CEA GROUP**  
 engineers • architects • planners  
 1204 Montana Ave., El Paso, Texas 79902  
 Office 915.544.5232 Fax 915.544.5233  
 www.ceagroup.net



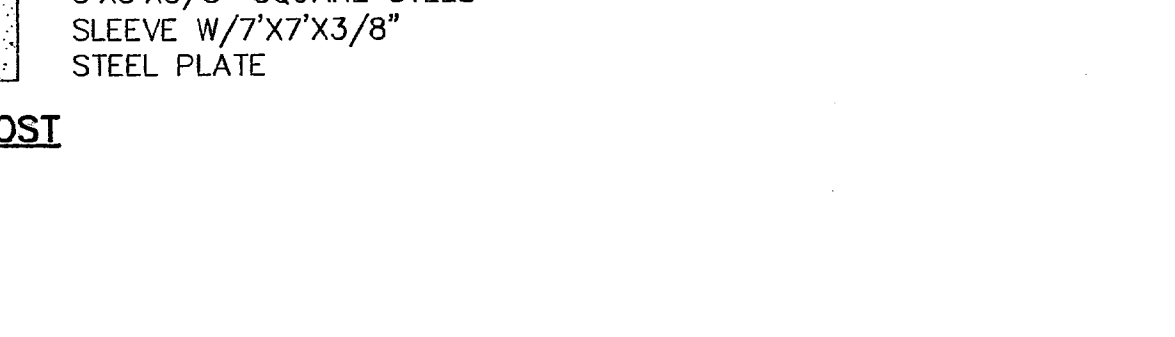
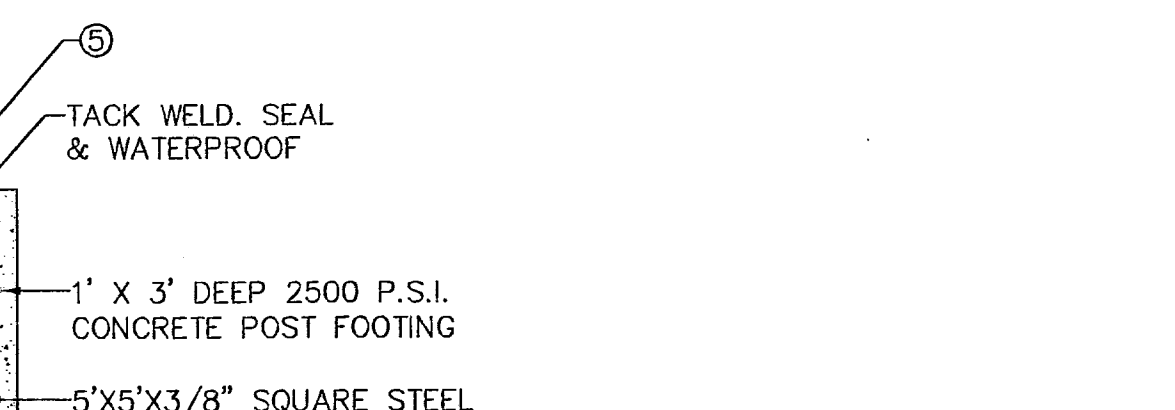
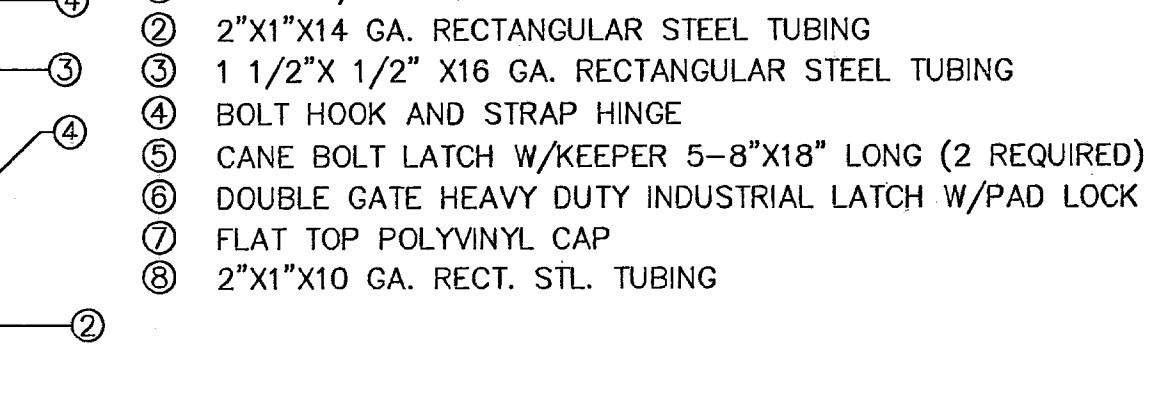
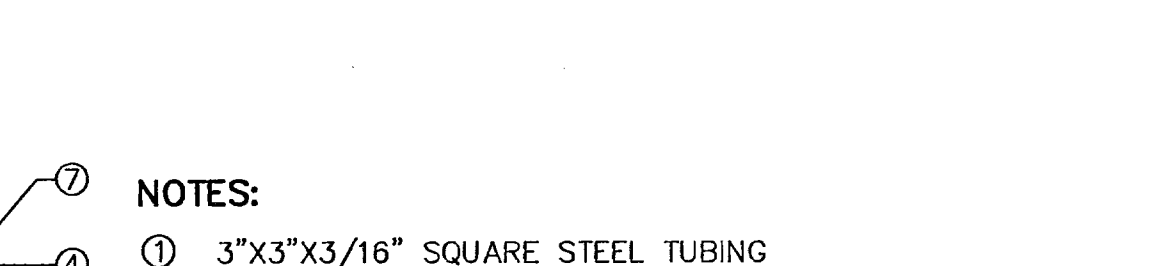
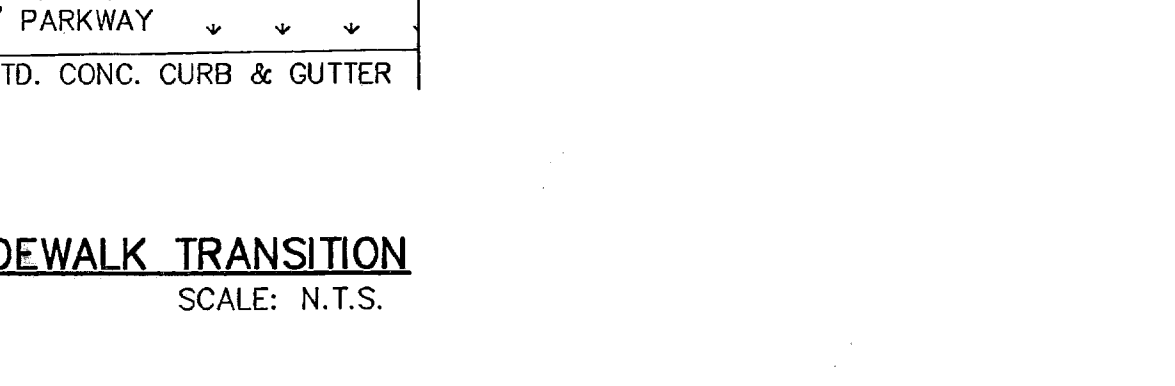
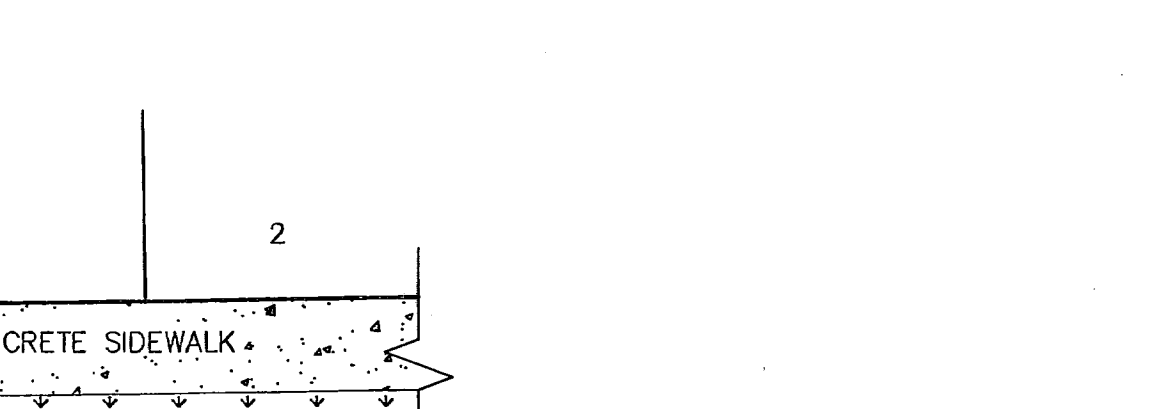
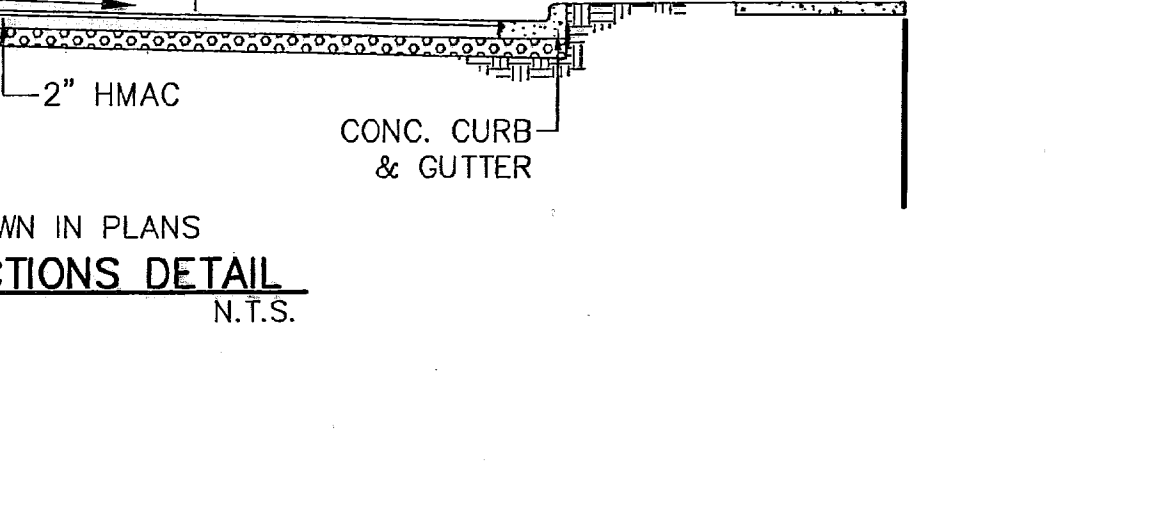
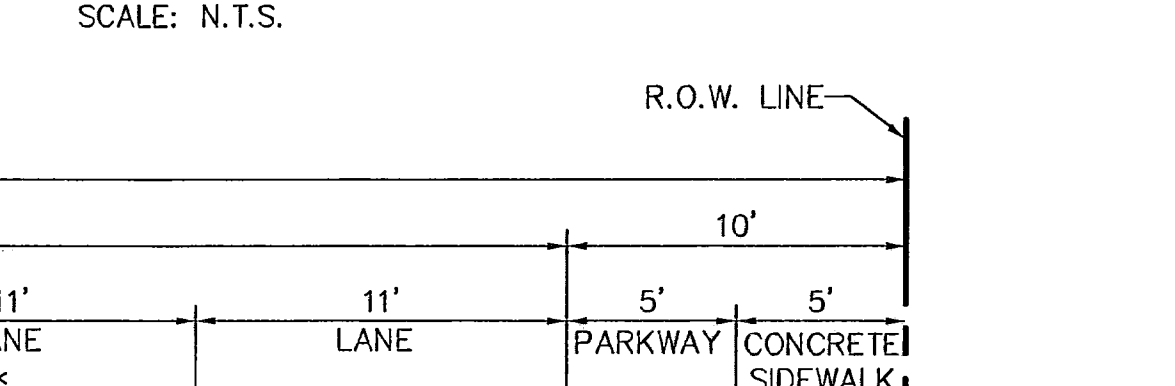
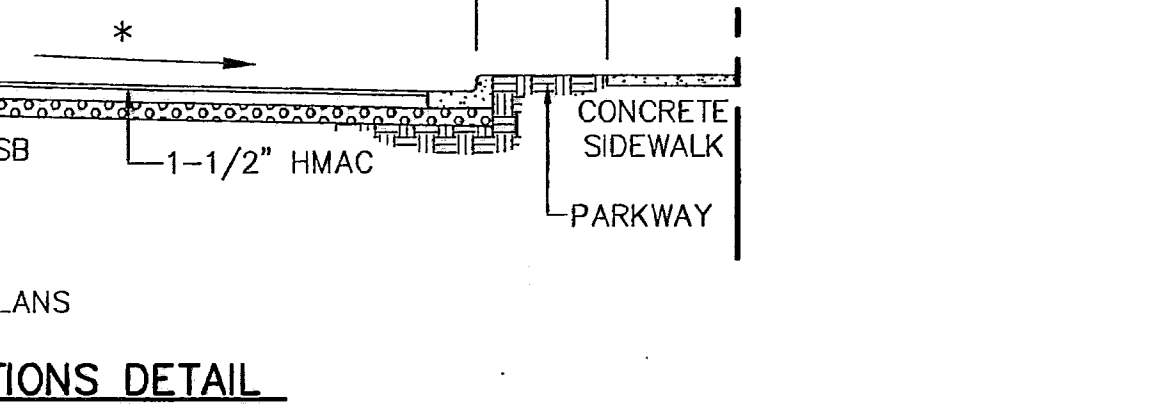
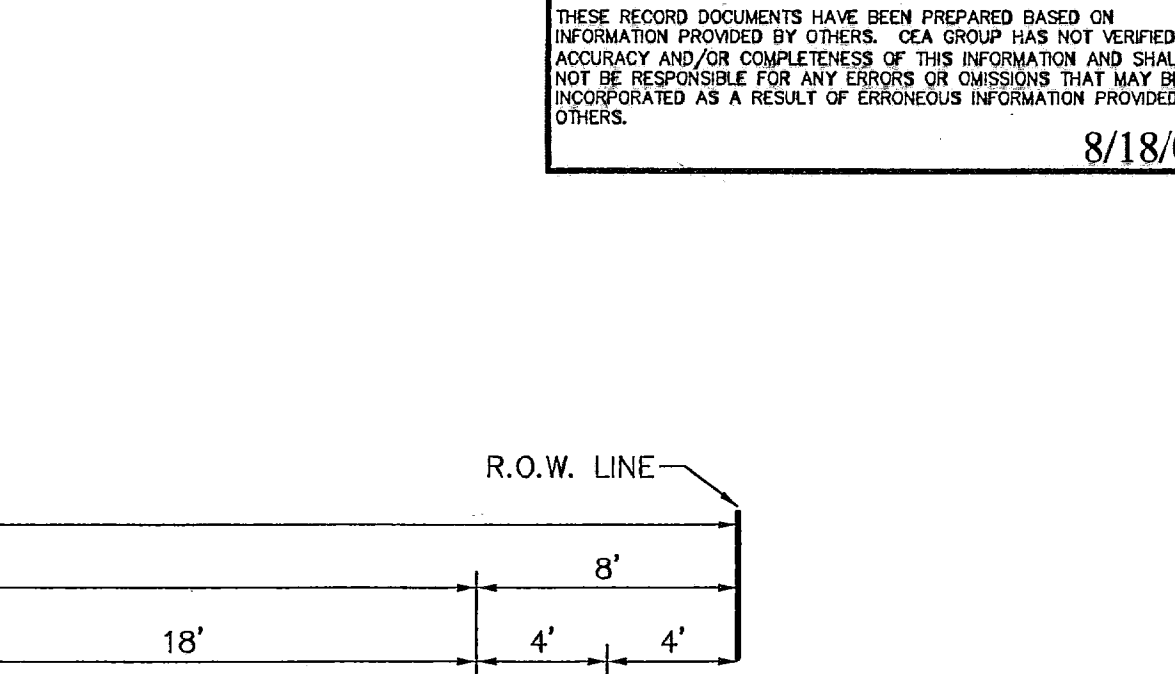
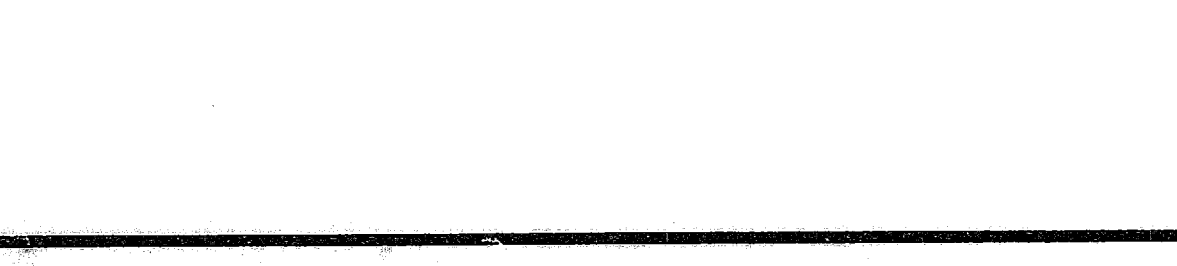
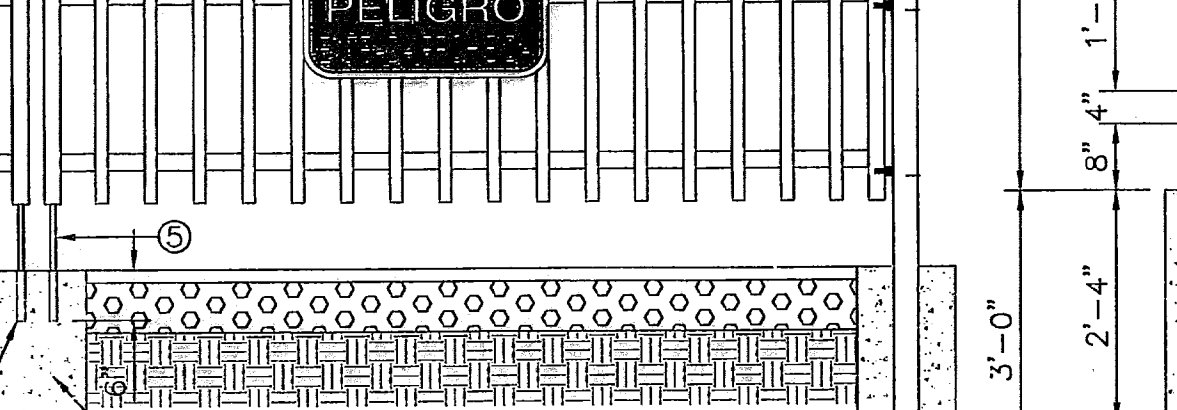
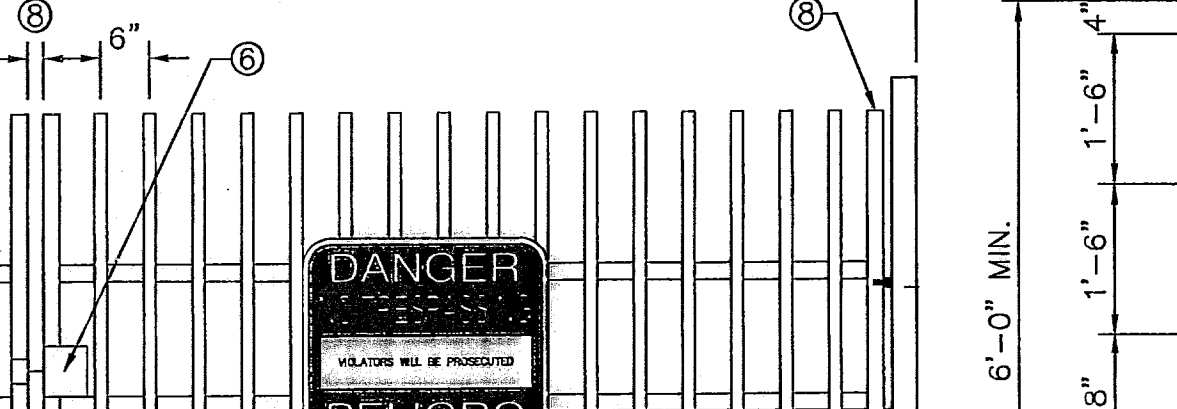
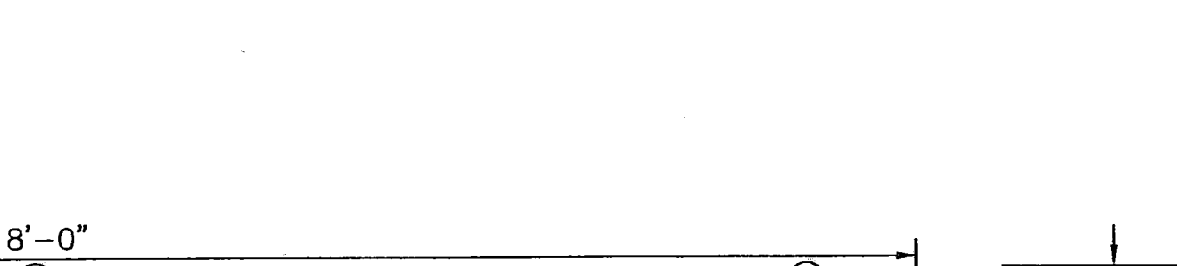
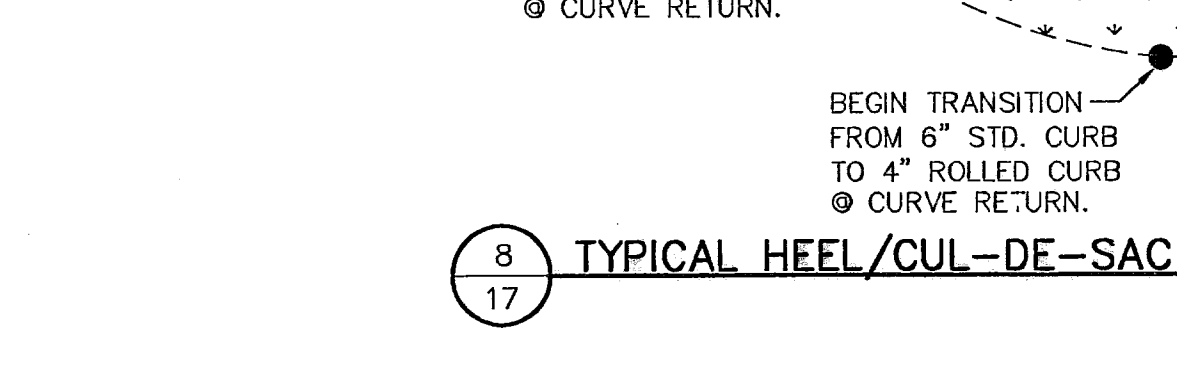
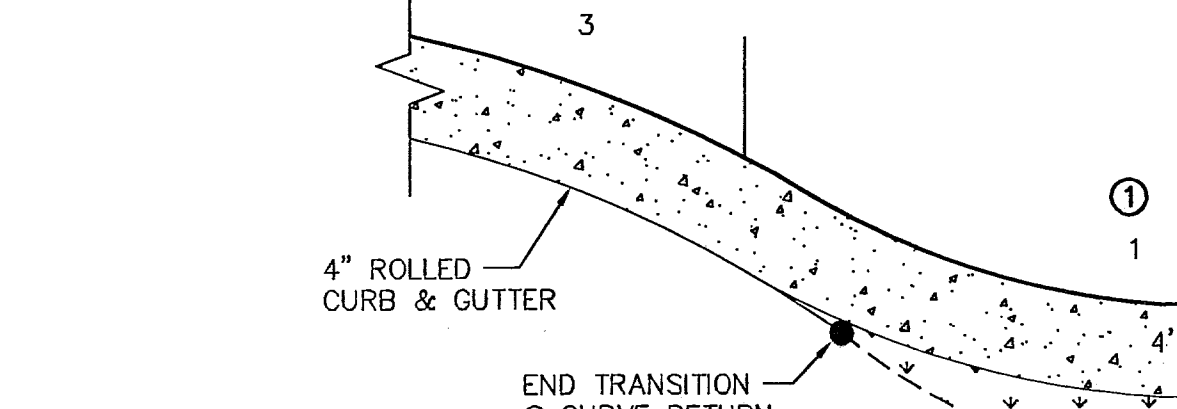
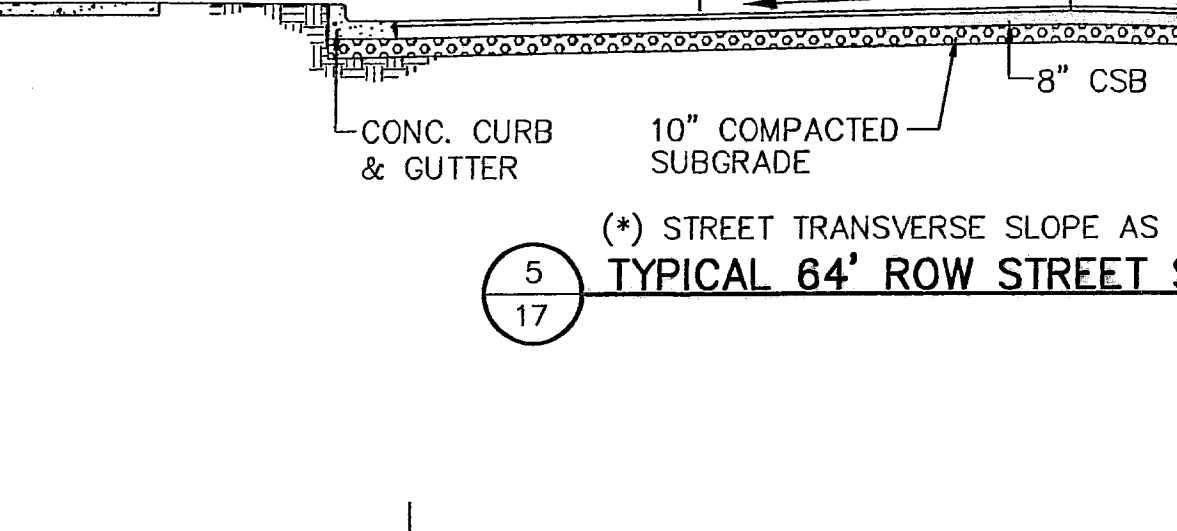
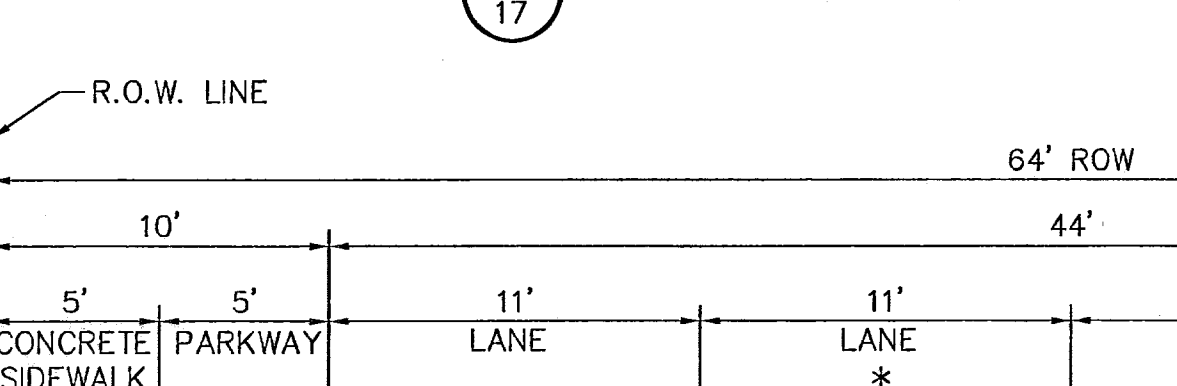
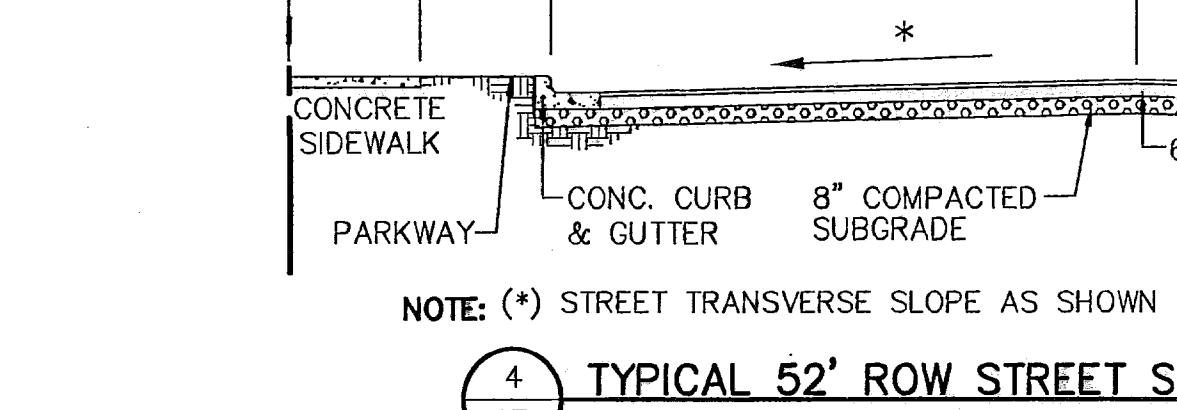
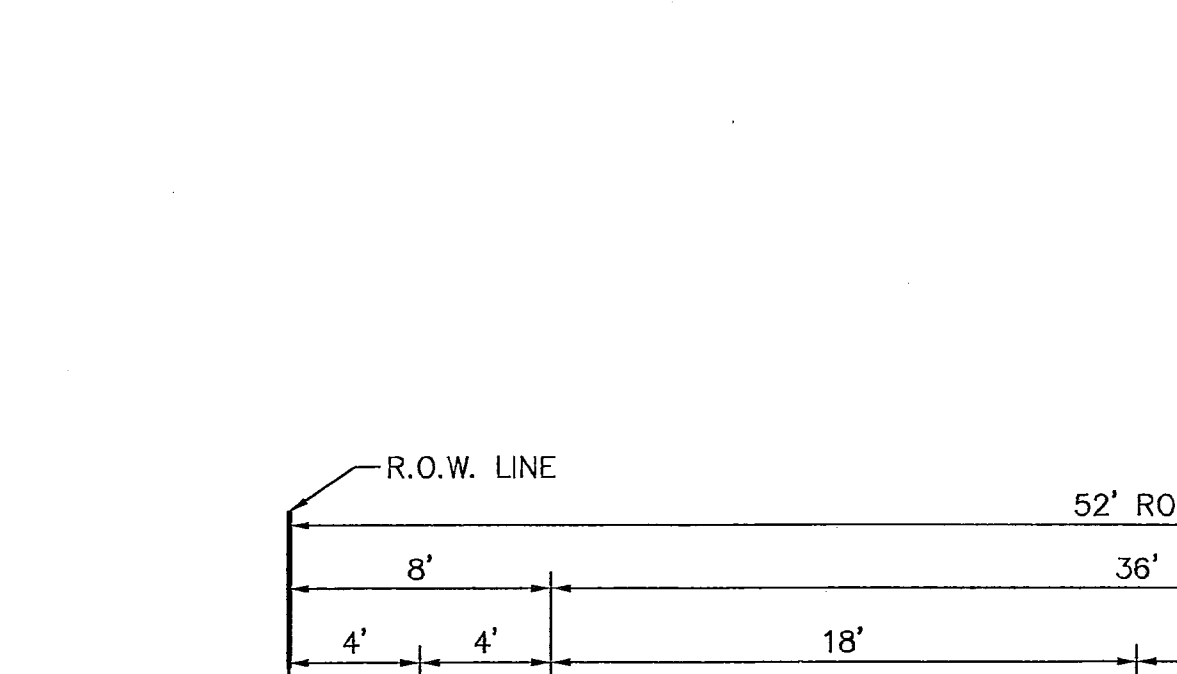
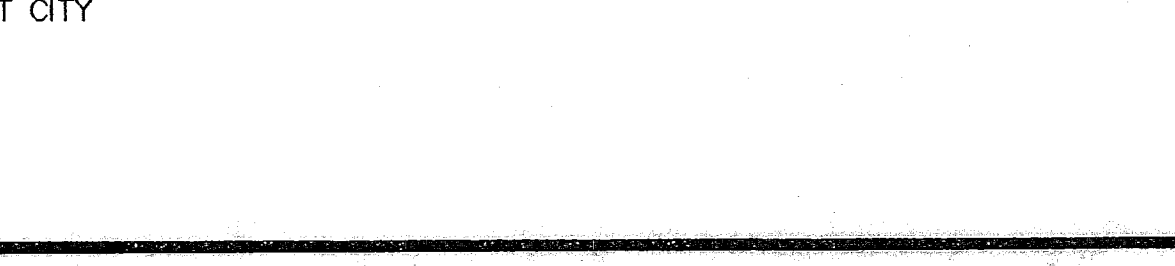
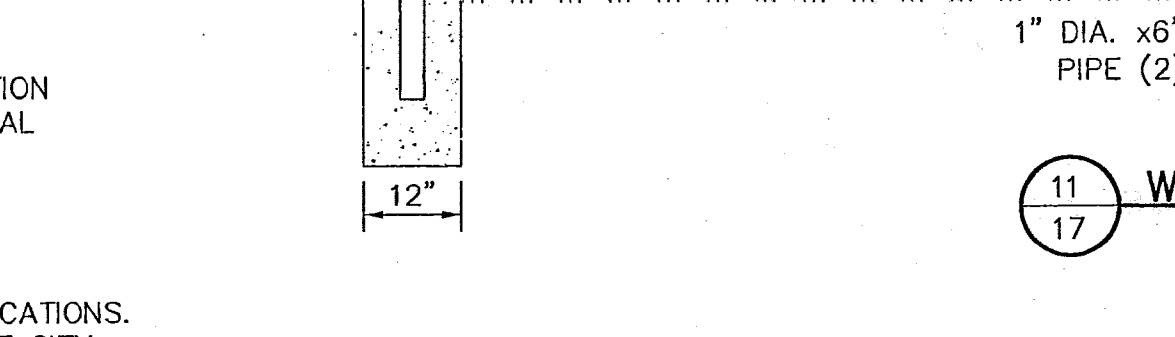
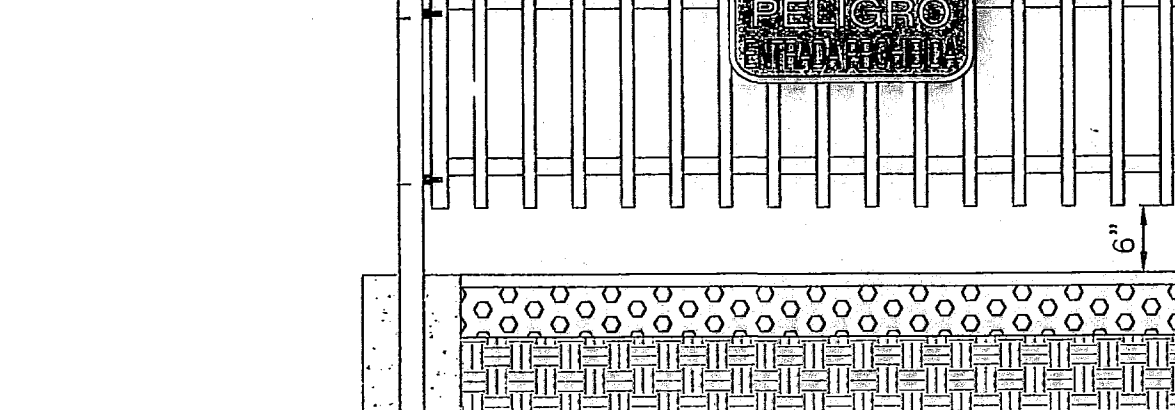
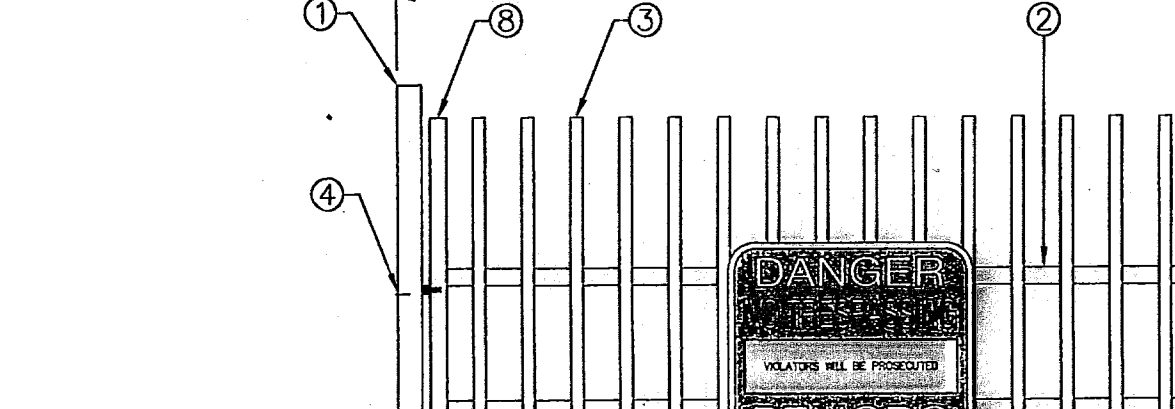
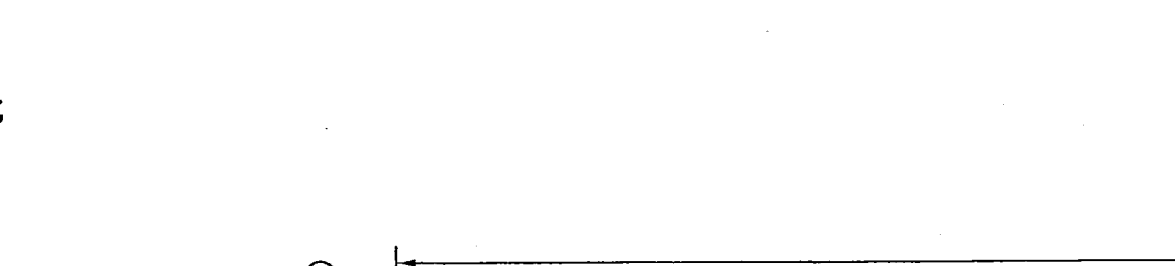
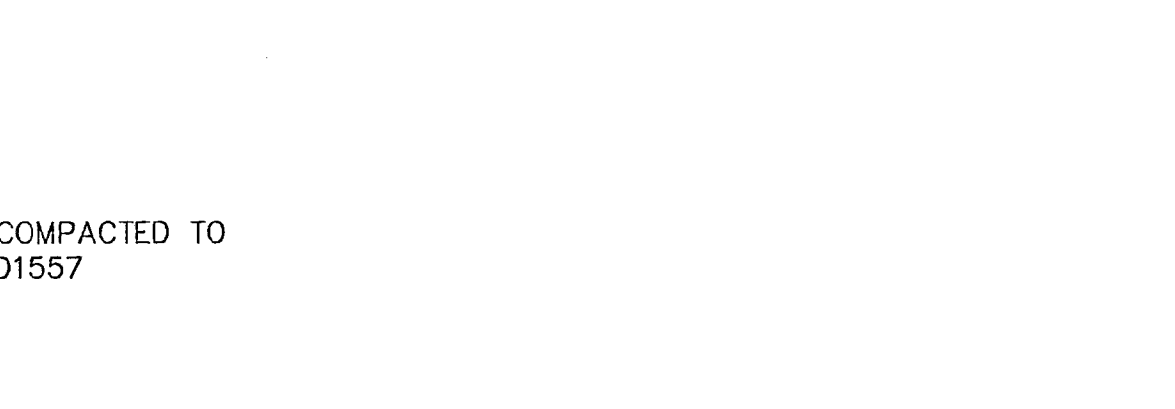
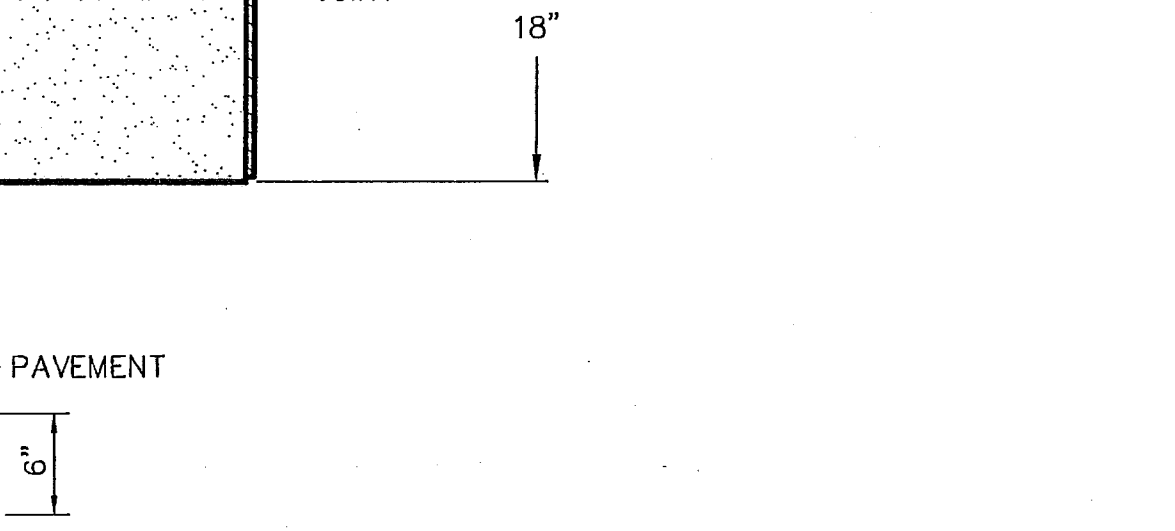
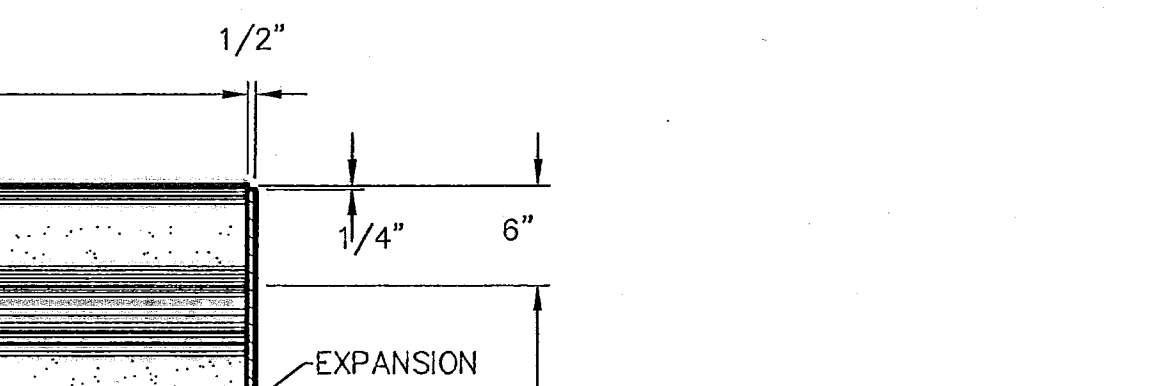
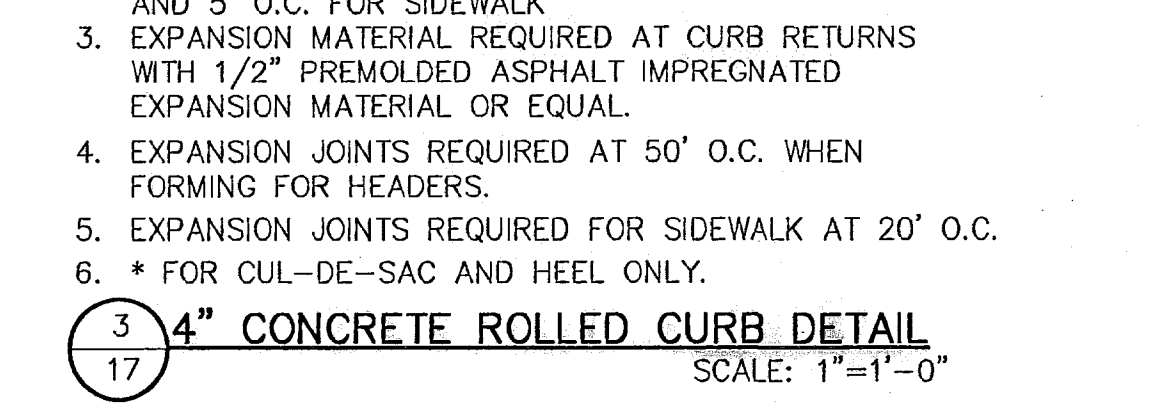
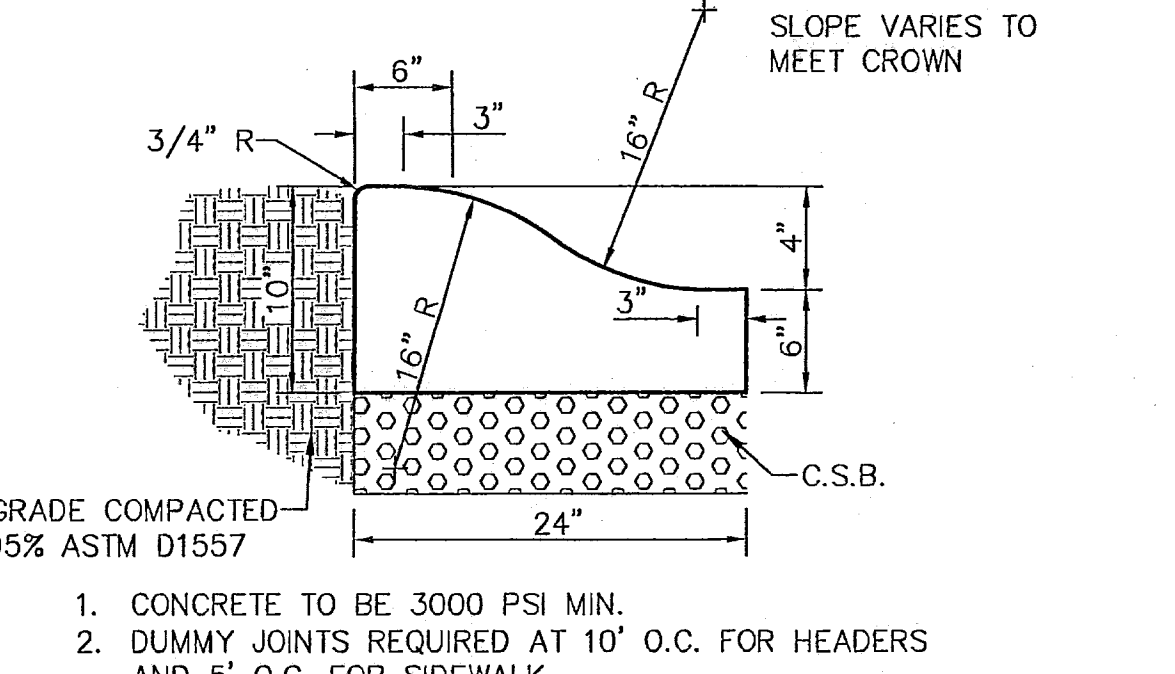
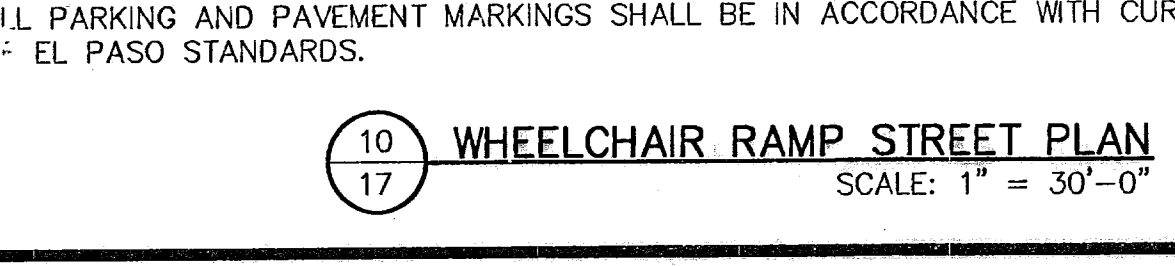
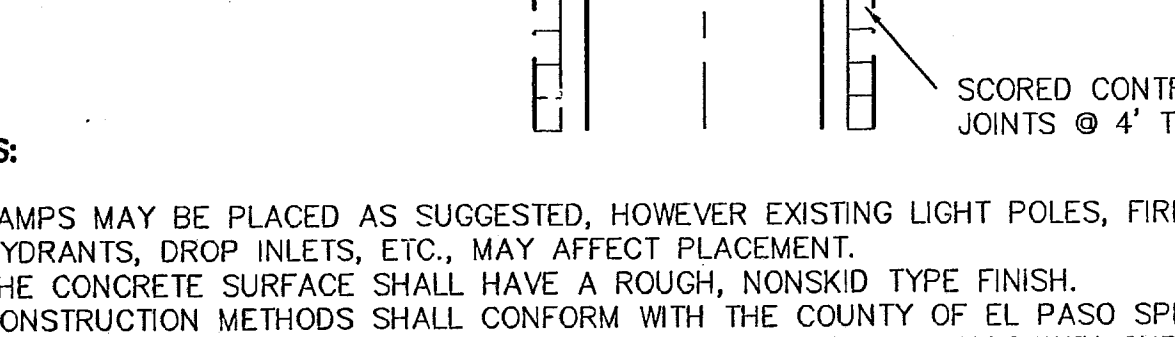
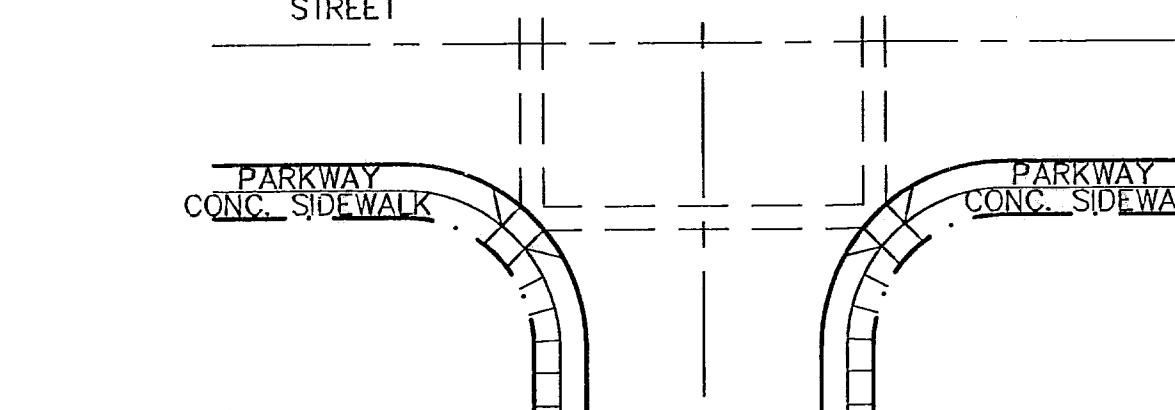
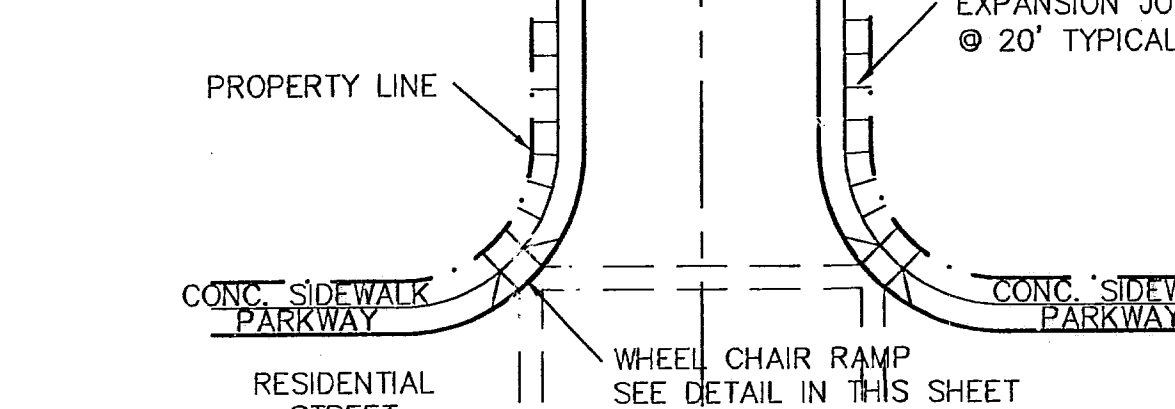
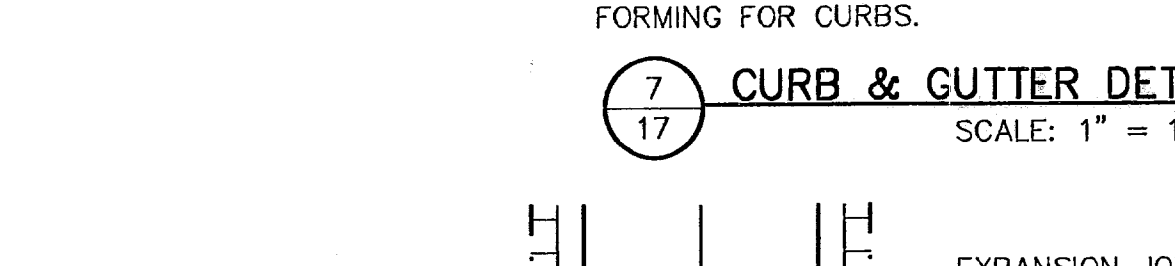
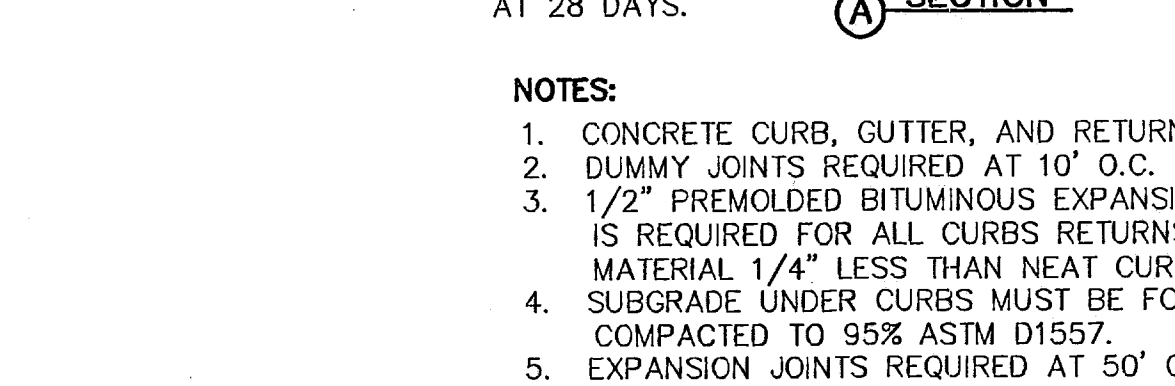
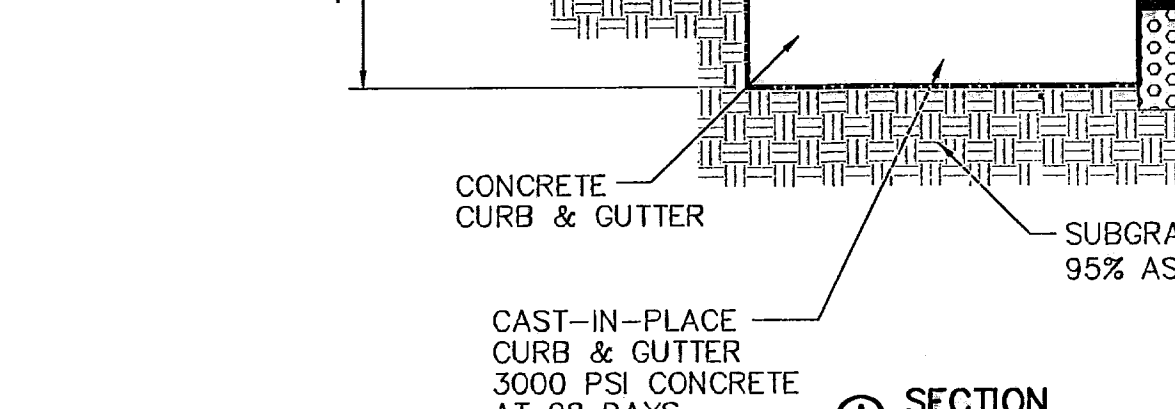
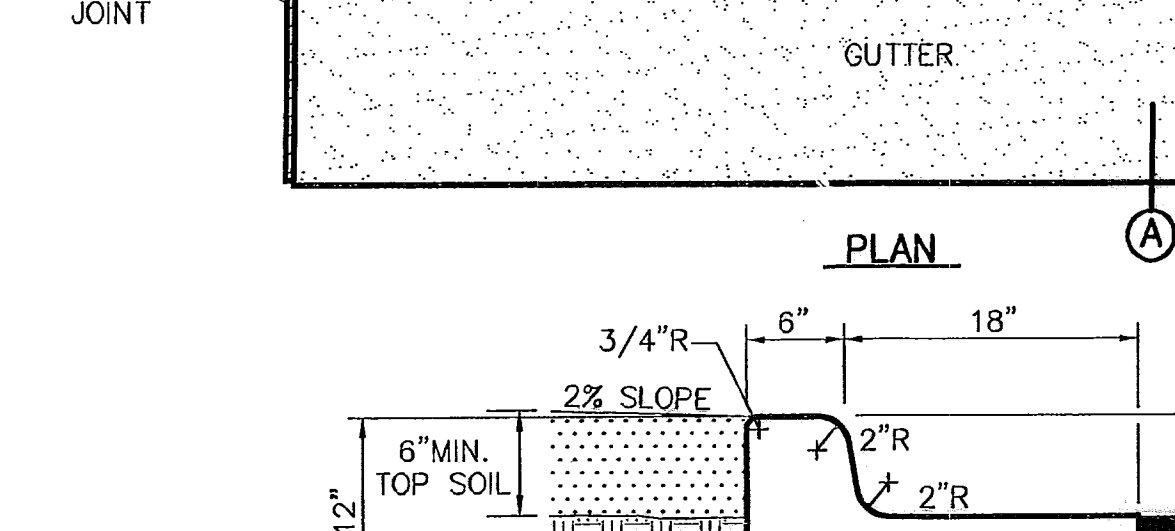
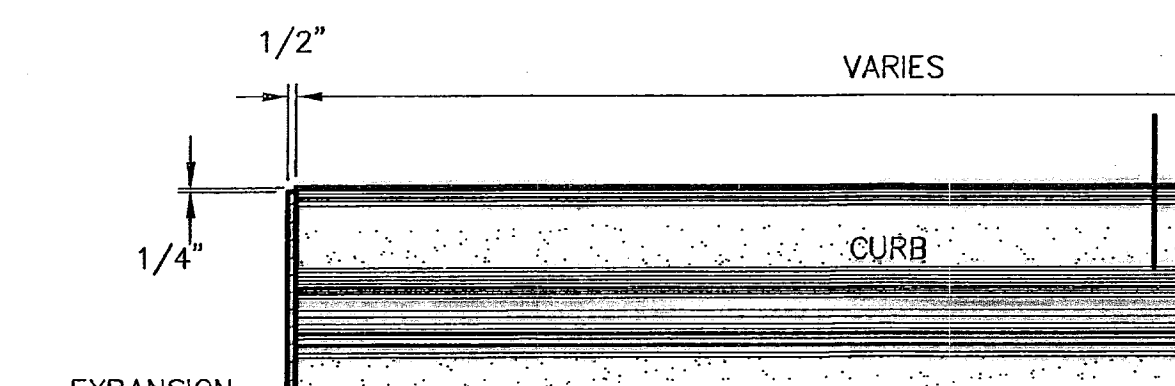
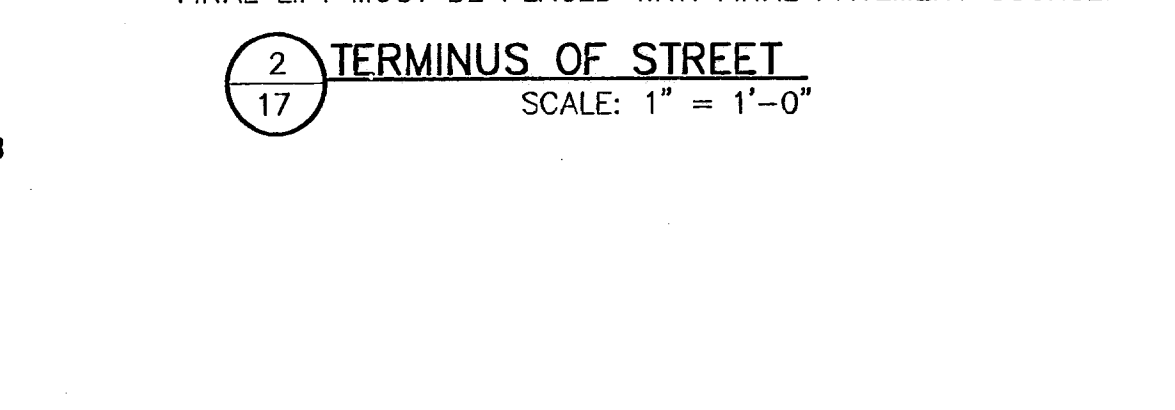
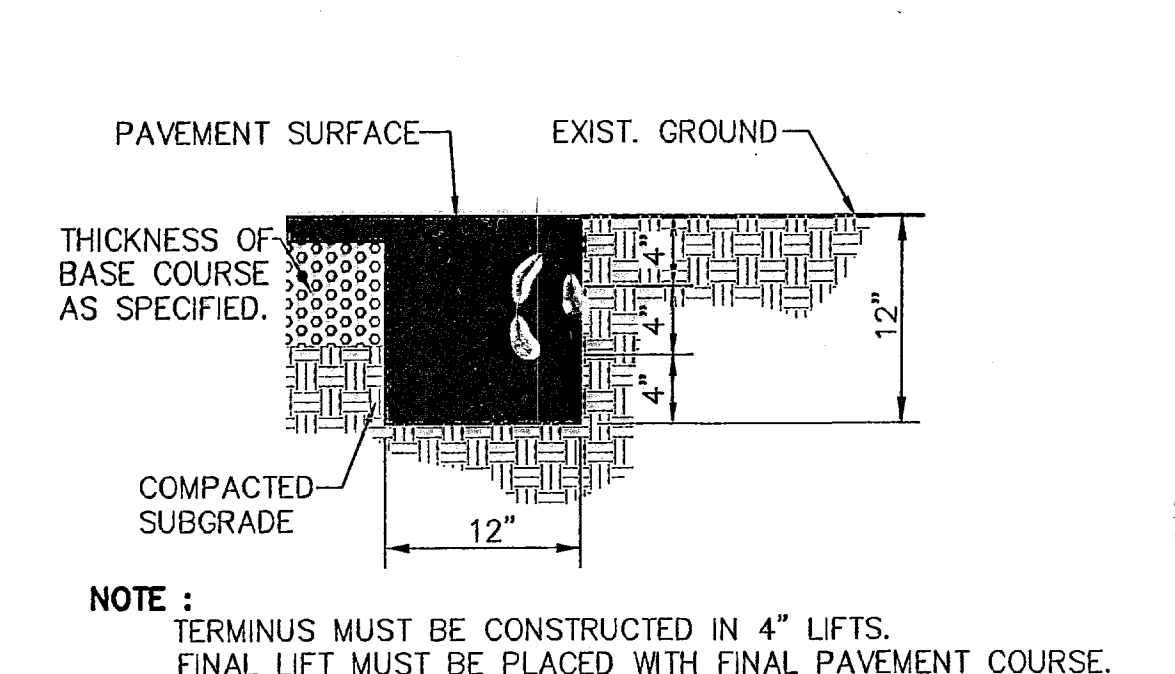
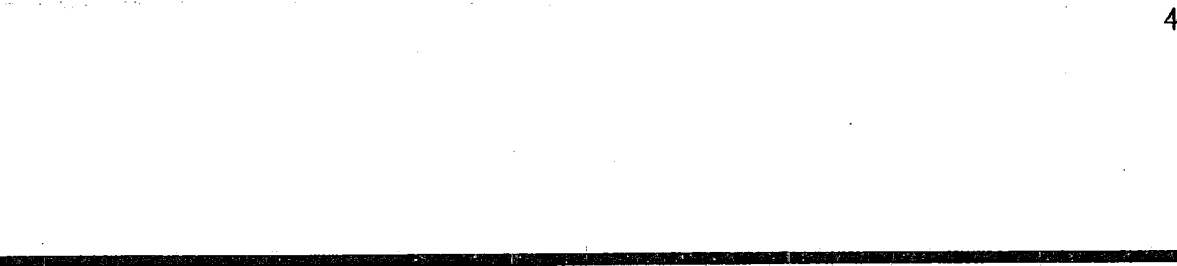
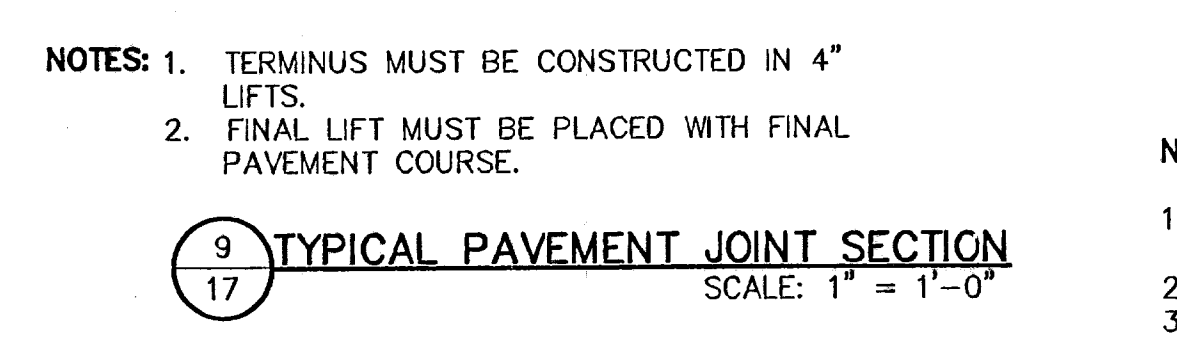
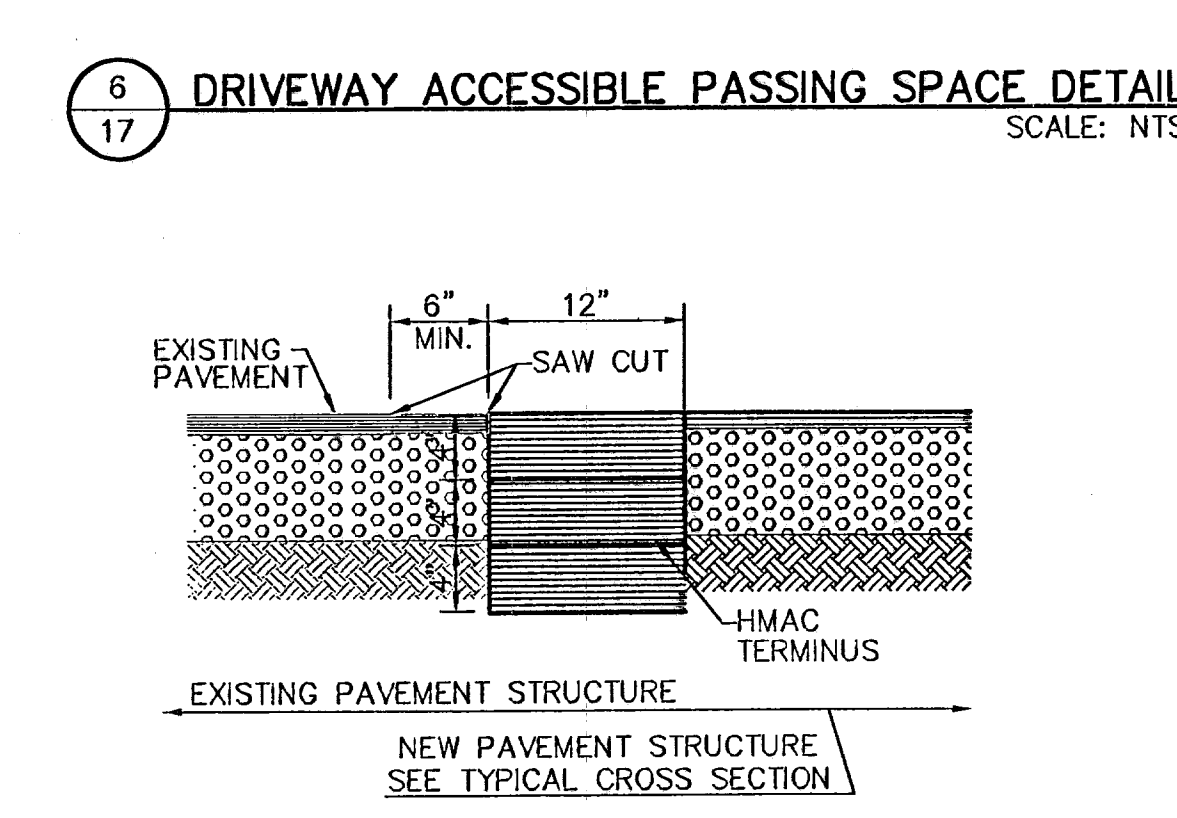
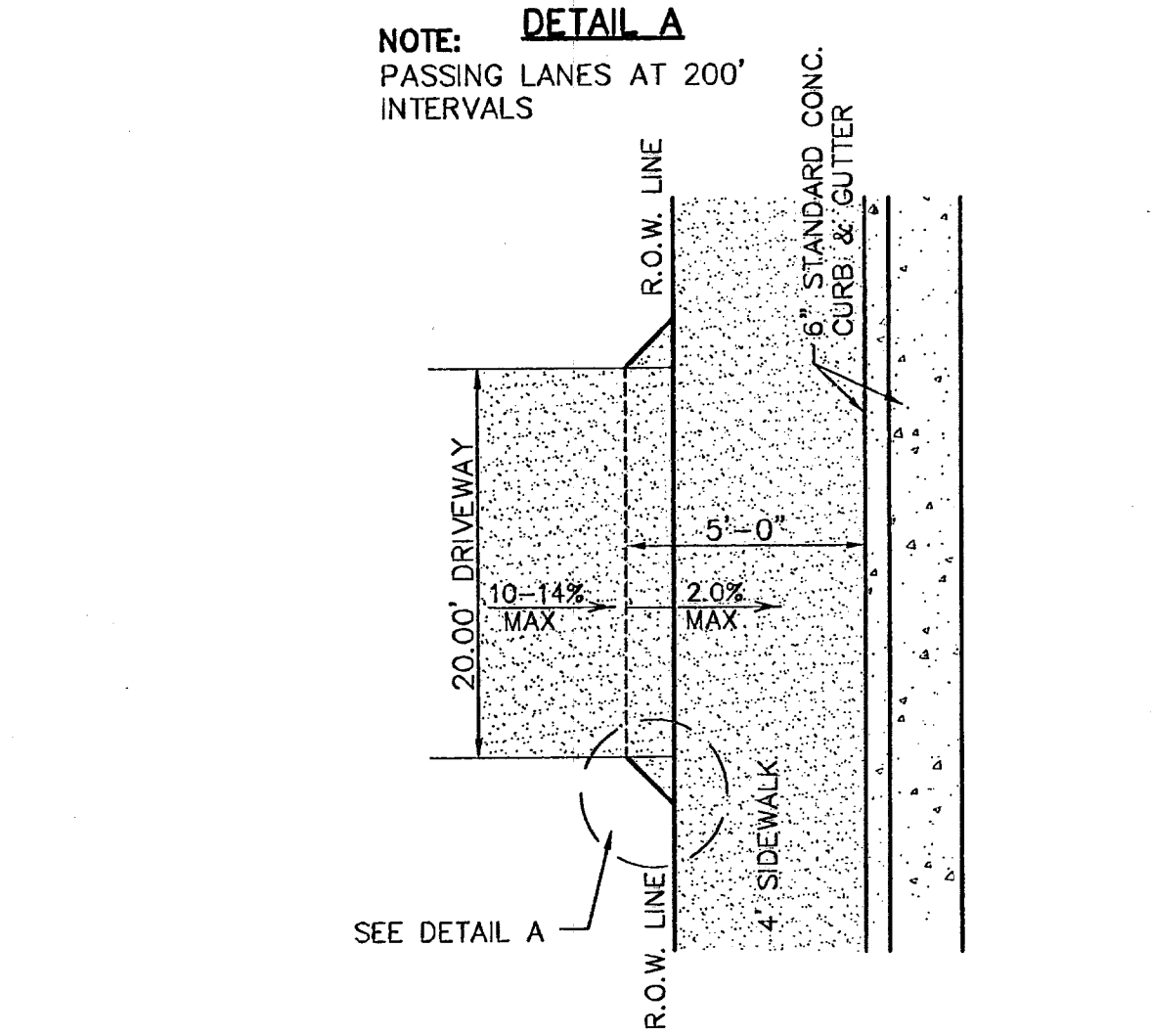
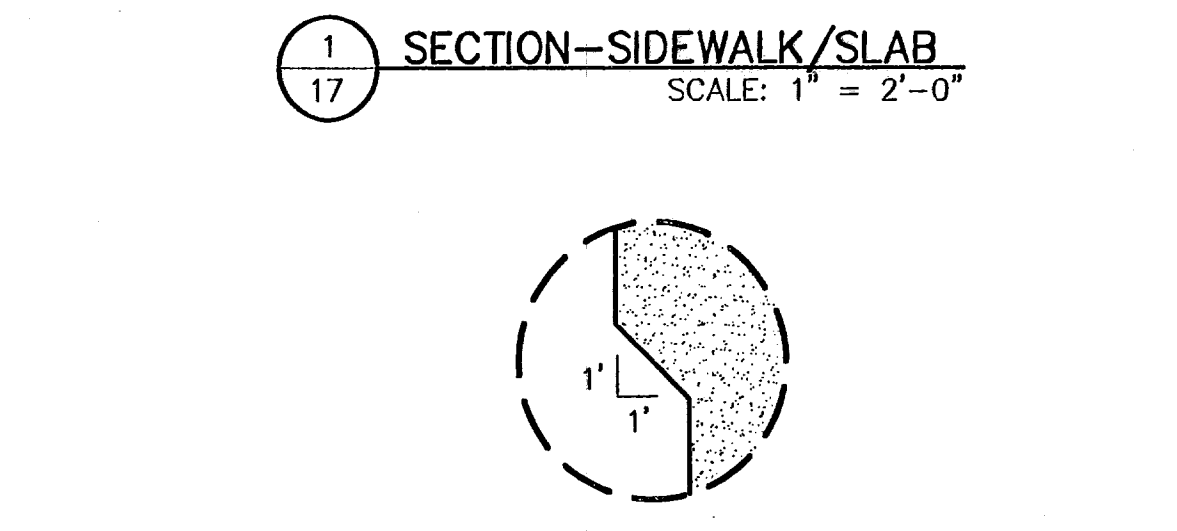
SCALE	N/A
Horizontal	N/A
Vertical	N/A
Contour Interval	N/A
DATE	AUGUST 2007
DESIGN BY	R.O.
DRAWN BY	J.L.M.
CHKD. BY	J.L.A.
APPRD. BY	J.L.A.
JOB No.	2290-017-LD

PROJECT TITLE  
**TRES SUEÑOS UNIT THREE**  
**SUBDIVISION IMPROVEMENTS**

SHEET TITLE  
**STANDARD**  
**DETAILS**  
 (SHEET 1 OF 3)  
 SHEET NO.  
**17**  
 OF 26



- 1**  
 17 SECTION-SIDEWALK/SLAB  
 SCALE: 1" = 2'-0"
- 2**  
 17 TERMINUS OF STREET  
 SCALE: 1" = 1'-0"
- 3**  
 17 4" CONCRETE ROLLED CURB DETAIL  
 SCALE: 1" = 1'-0"



NOTES:  
 1. CONCRETE SIDEWALK SHALL BE 3,000 P.S.I.  
 2. DUMMY JOINTS REQUIRED AT 5' O.C.  
 3. EXPANSION JOINTS SHALL BE AT 20' O.C. MAXIMUM. USE 1/2" PREMOLDED BITUMINOUS EXPANSION JOINTS (AASHTO M-33)  
 4. EXPANSION JOINT FILLER SHALL BE PLACED WHEREVER SIDEWALK ABUTS ROCK OR MASONRY STRUCTURES SUCH AS CURBS OR BUILDINGS.  
 5. SUBGRADE TO BE COMPACTED TO 95% ASTM D1557.

NOTES:  
 1. CONCRETE CURB, GUTTER, AND RETURNS SHALL BE 3,000 P.S.I. MIN.  
 2. DUMMY JOINTS REQUIRED AT 10' O.C.  
 3. 1/2" PREMOLDED BITUMINOUS EXPANSION JOINT (AASHTO M-33) IS REQUIRED FOR ALL CURBS RETURNS. TRIM BITUMINOUS MATERIAL 1/4" LESS THAN NEAT CURB & GUTTER DIMENSION.  
 4. SUBGRADE UNDER CURBS MUST BE FORMED AND COMPACTED TO 95% ASTM D1557.  
 5. EXPANSION JOINTS REQUIRED AT 50' O.C. WHEN FORMING FOR CURBS.

NOTES:  
 1. 3"x3"x3/16" SQUARE STEEL TUBING  
 2. 2"x1"x14 GA. RECTANGULAR STEEL TUBING  
 3. 1 1/2"x 1/2" X16 GA. RECTANGULAR STEEL TUBING  
 4. BOLT HOOK AND STRAP HINGE  
 5. CANE BOLT LATCH W/KEEPER 5-8"x18" LONG (2 REQUIRED)  
 6. DOUBLE GATE HEAVY DUTY INDUSTRIAL LATCH W/PAD LOCK  
 7. FLAT TOP POLYVINYL CAP  
 8. 2"x1"x10 GA. RECT. STL. TUBING

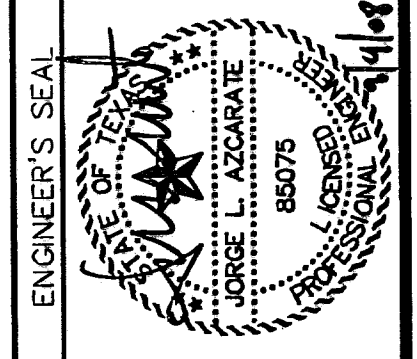
NOTES:  
 1. RAMPES MAY BE PLACED AS SUGGESTED, HOWEVER EXISTING LIGHT POLES, FIRE HYDRANTS, DROP INLETS, ETC., MAY AFFECT PLACEMENT.  
 2. THE CONCRETE SURFACE SHALL HAVE A ROUGH, NONSKID TYPE FINISH.  
 3. CONSTRUCTION METHODS SHALL CONFORM WITH THE COUNTY OF EL PASO SPECIFICATIONS.  
 4. ALL PARKING AND PAVEMENT MARKINGS SHALL BE IN ACCORDANCE WITH CURRENT CITY OF EL PASO STANDARDS.



REFERENCES - BENCHMARKS

CITY MONUMENT AT POINT OF CURVE	DATE	REVISIONS	BY
CENTERLINE RICH BEEM BLVD., S084231'E			
A DISTANCE OF 497.98 FEET FROM THE			
SOUTHERLY RIGHT OF WAY LINE OF			
SOUTHERLY RICH BEEM AVENUE CL 145.17M			
ELEVATION.....4005.40			

**oea group**  
 engineers • architects • planners  
 1204 Montana Ave., El Paso, Texas 79902  
 Office 915.544.5232 Fax 915.544.5233  
 www.oegroup.net



ENGINEER'S SEAL

SCALE	N/A
Horizontal	N/A
Vertical	N/A
Contour Interval	N/A
DATE	AUGUST 2007
DESIGN BY	R.O. J.M.
DRAWN BY	J.L.A.
CHKD. BY	J.L.A.
APP'D. BY	J.L.A.
JOB NO.	22250-017-1D

PROJECT TITLE

**TRES SUEÑOS UNIT THREE**  
**SUBDIVISION IMPROVEMENTS**

SHEET TITLE

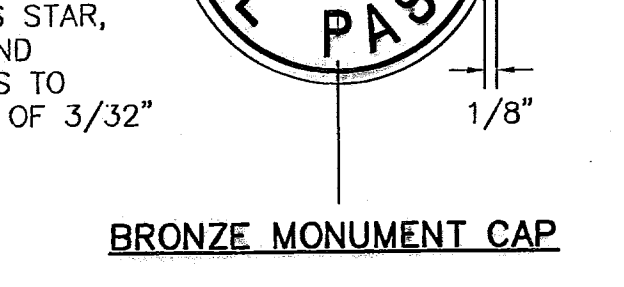
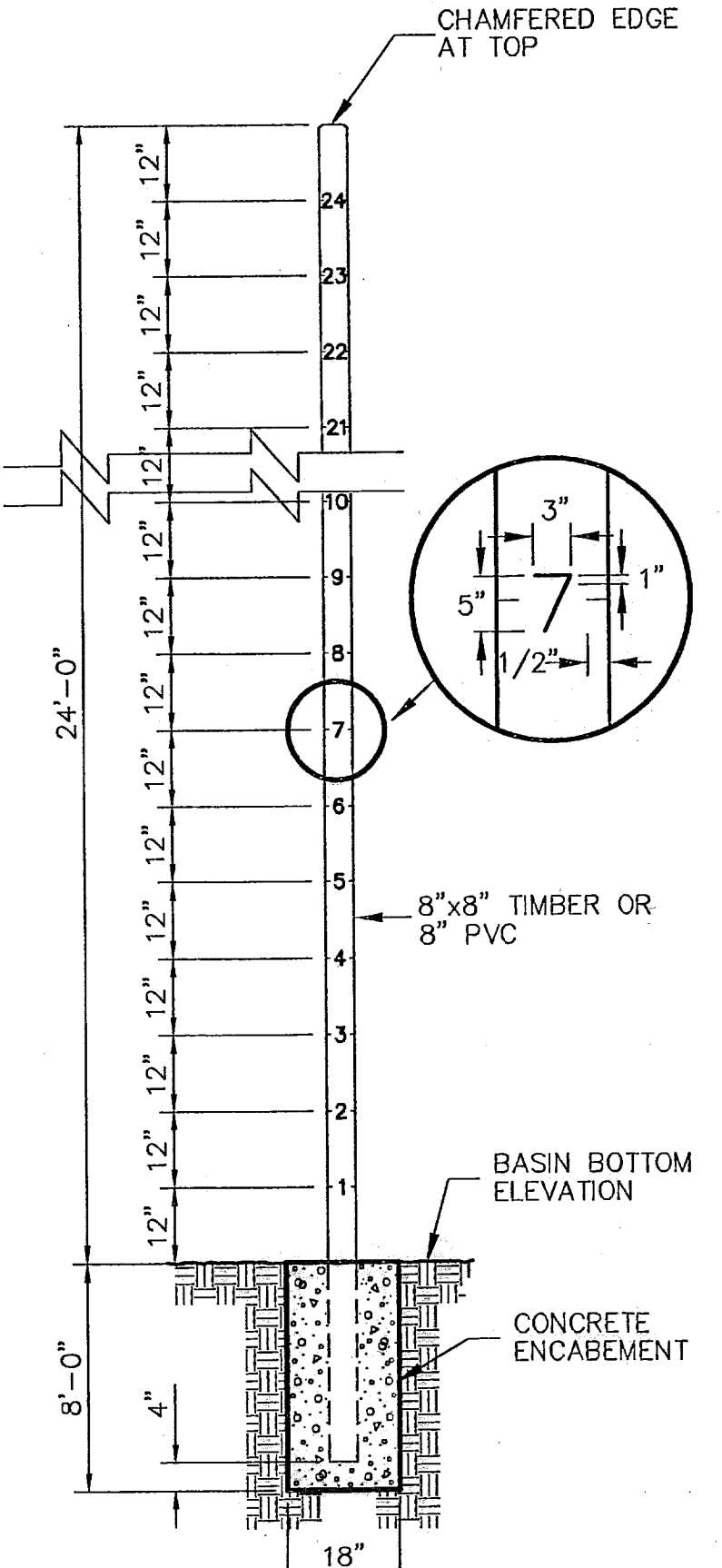
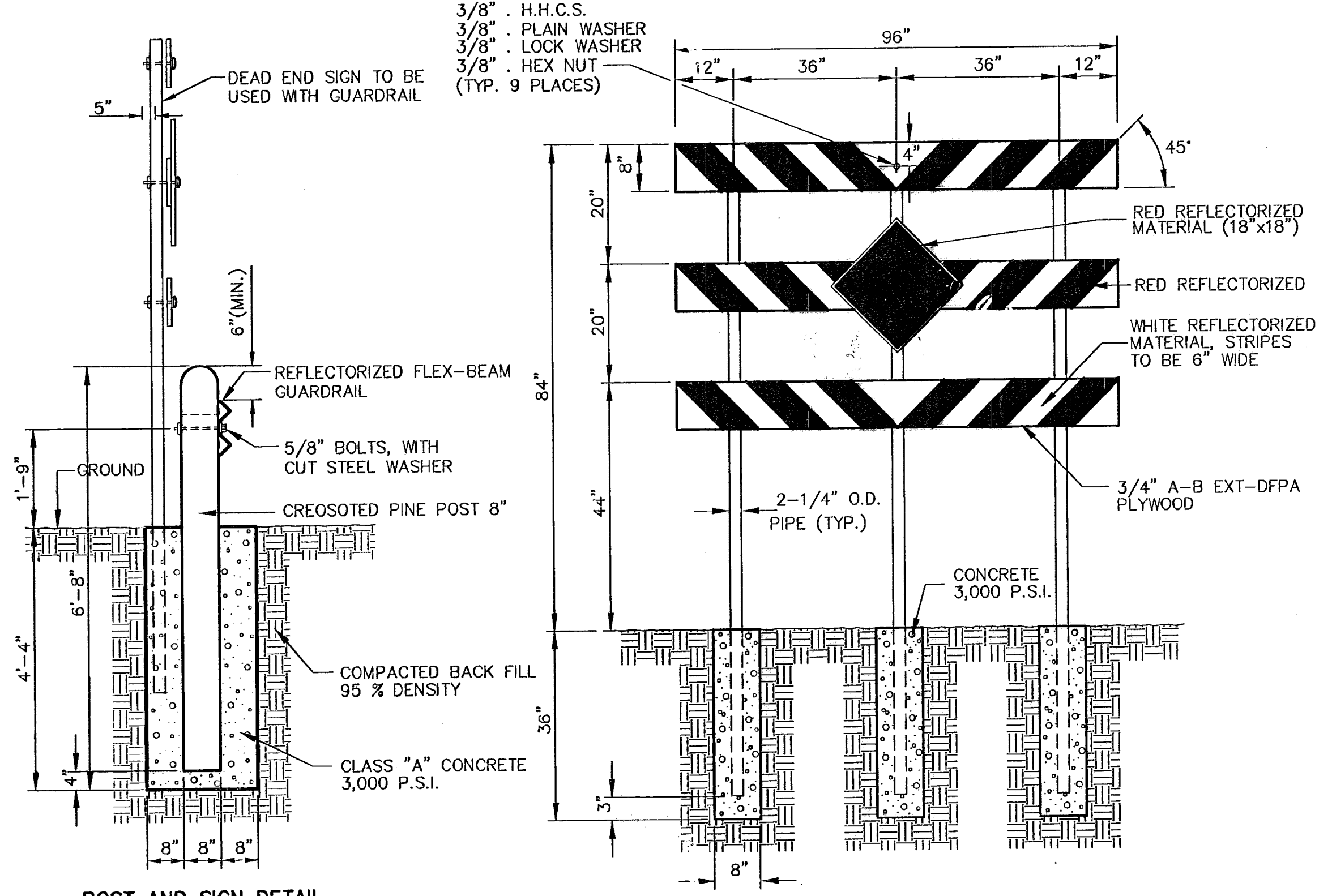
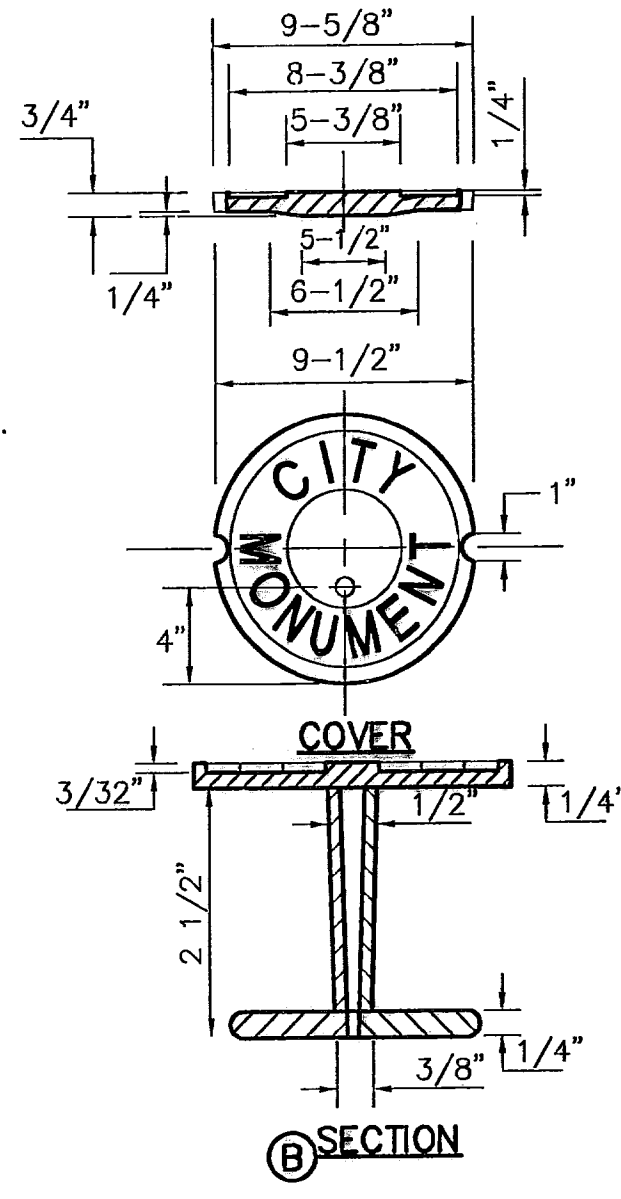
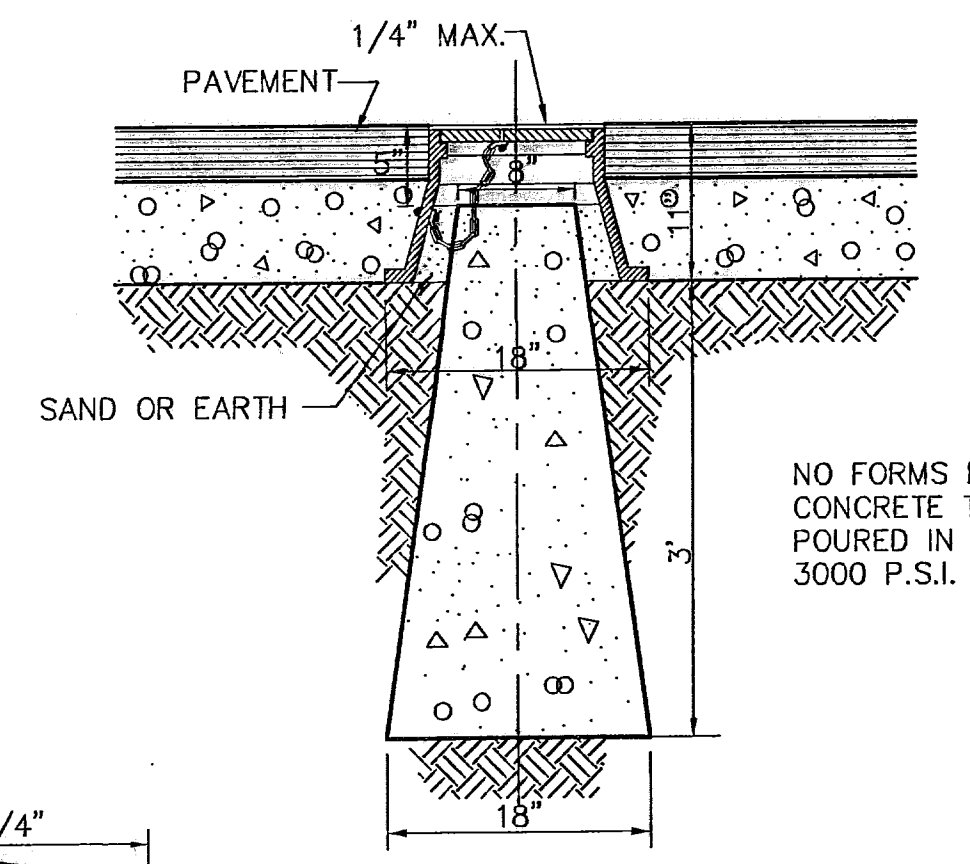
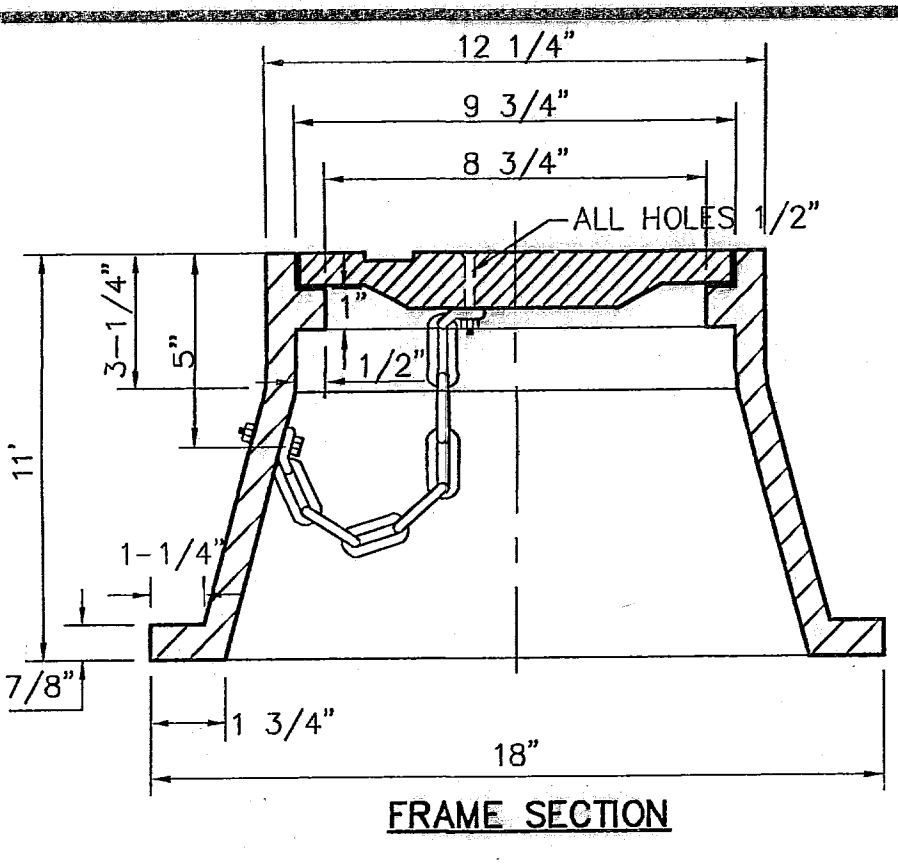
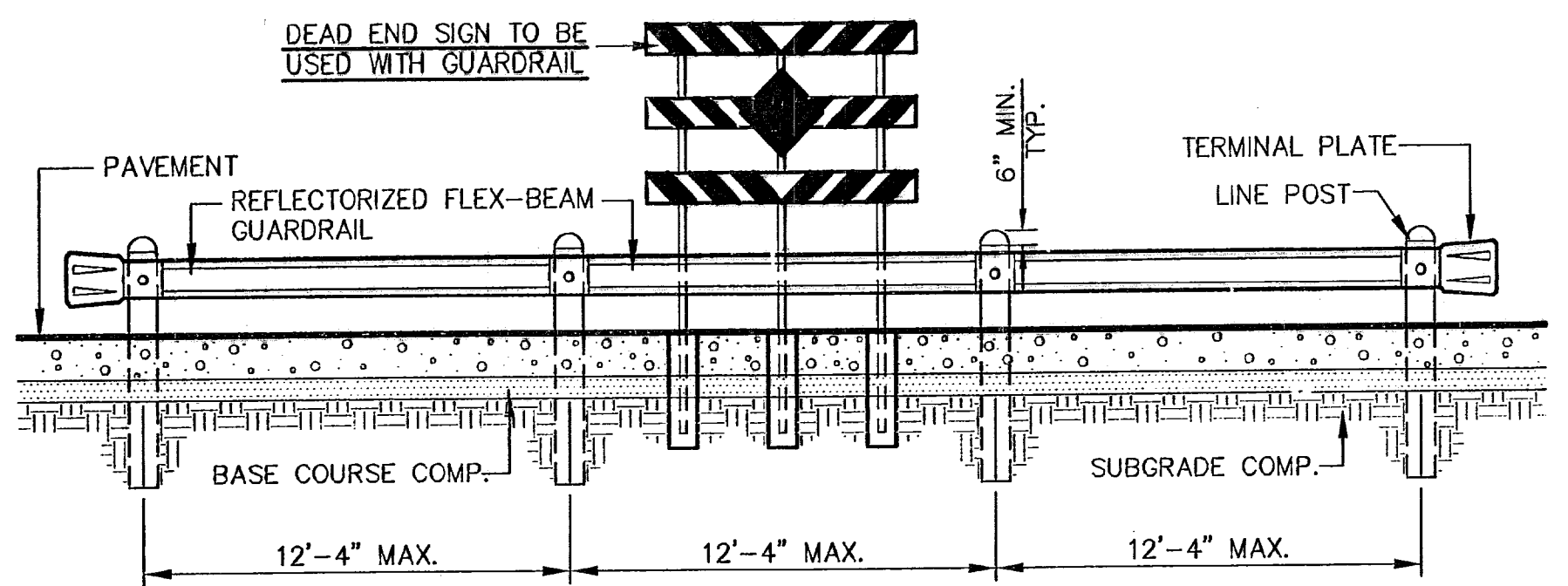
**STANDARD**  
**DETAILS**

(SHEET 2 OF 3)

SHEET NO.

18

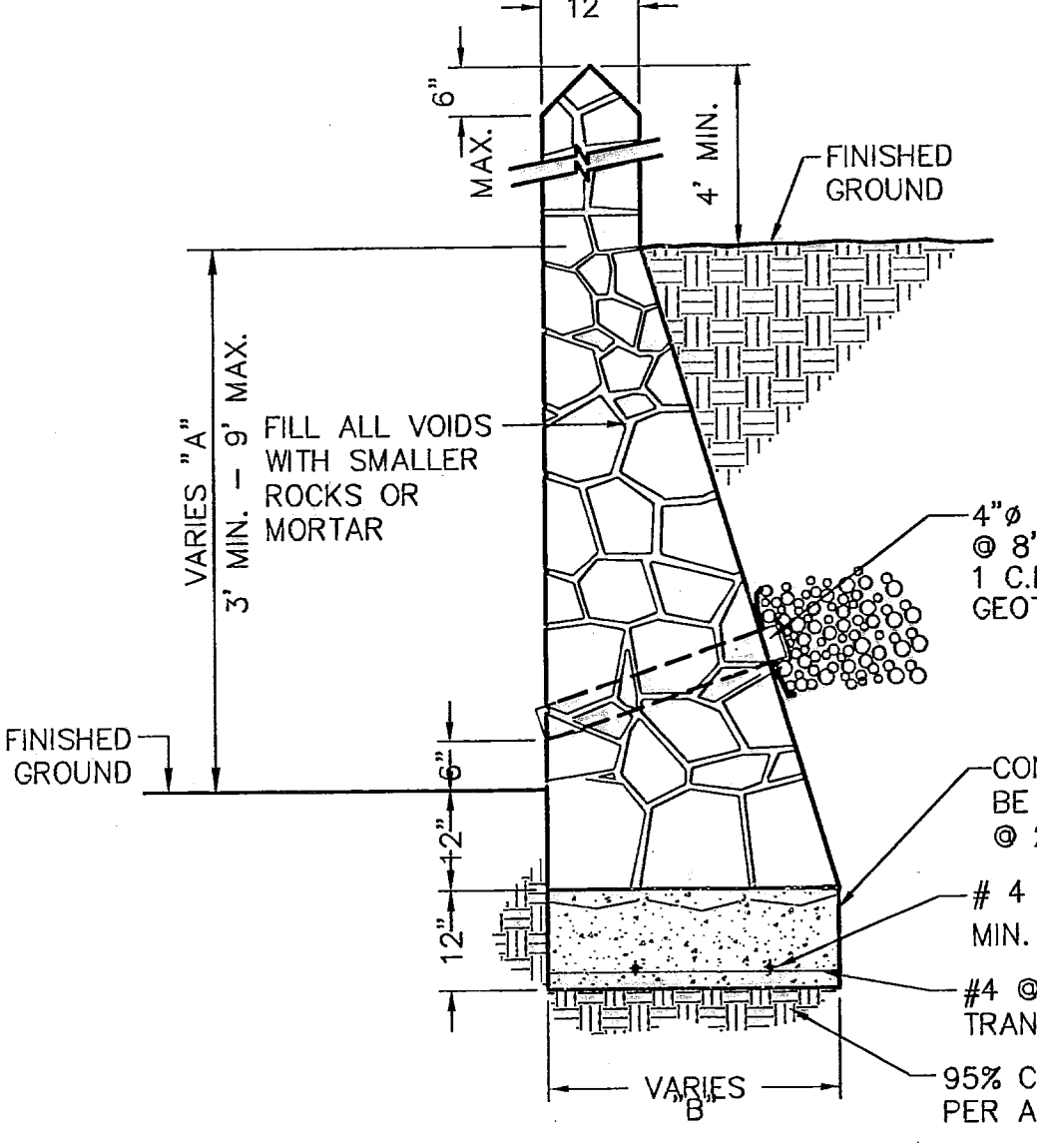
OF 26



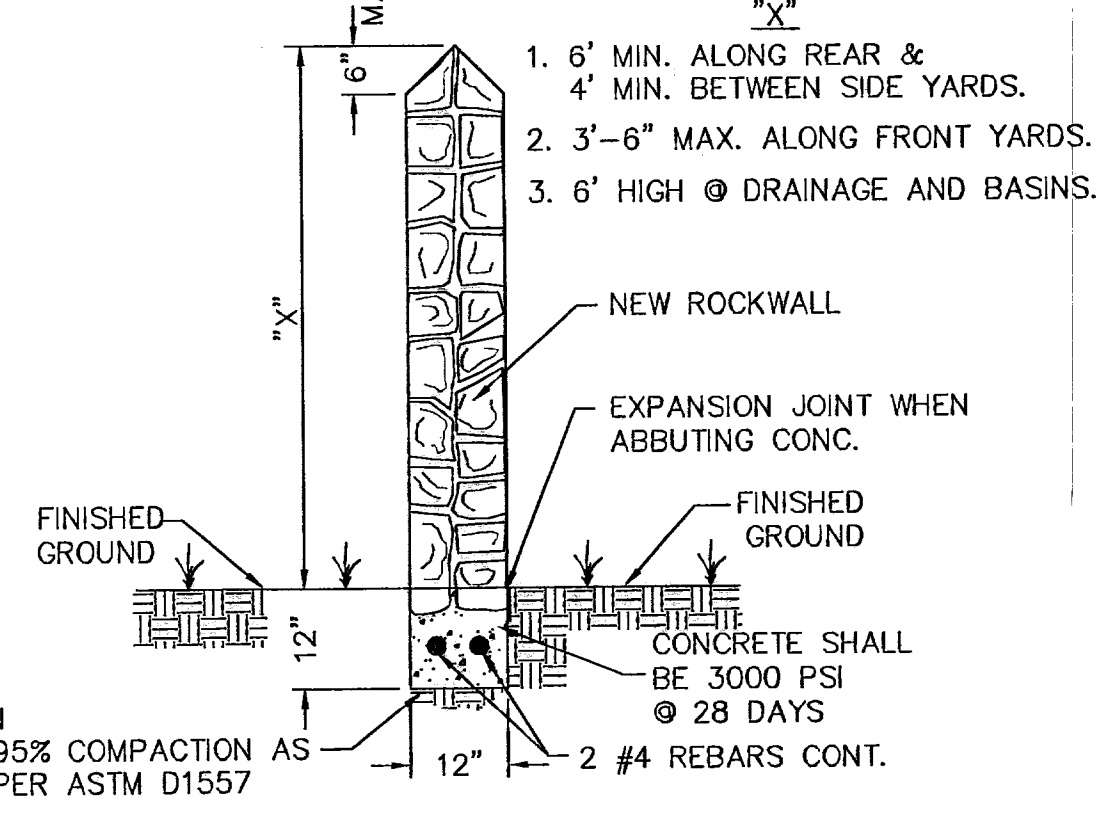
**3 CITY SURVEY MONUMENT DETAILS**  
 SCALE: N.T.S.

**RETAINING ROCK WALL**

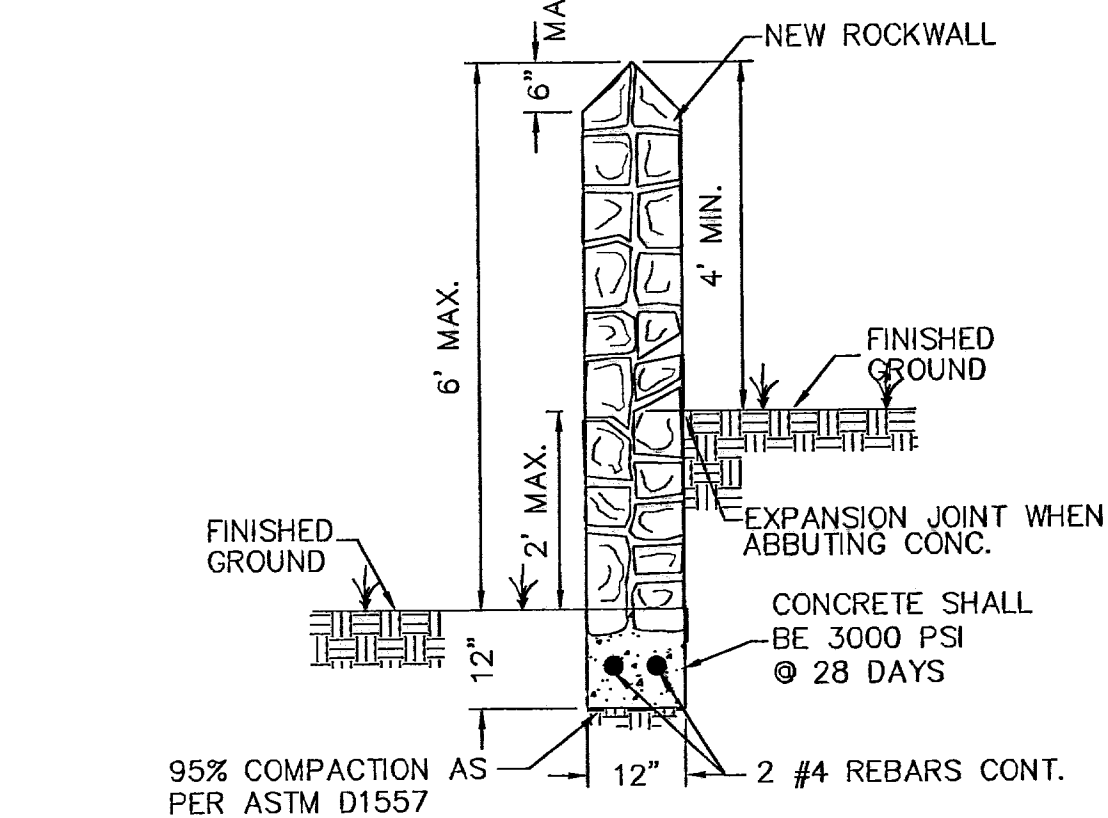
"A"	"B"
3.01'	2'-6"
4'	2'-10"
5'	3'-3"
6'	3'-8"
7'	4'-0"
8'	4'-5"
9'	4'-10"



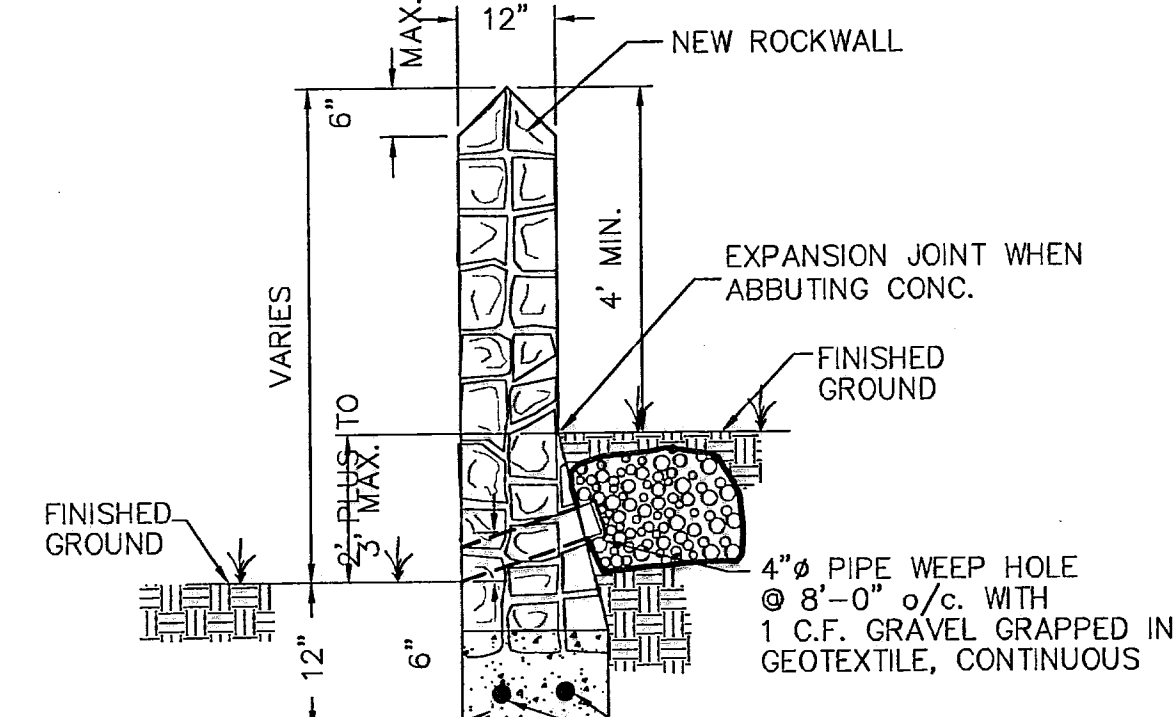
**RETAINING WALL SECTION (3' MIN. TO 9' MAX.)**



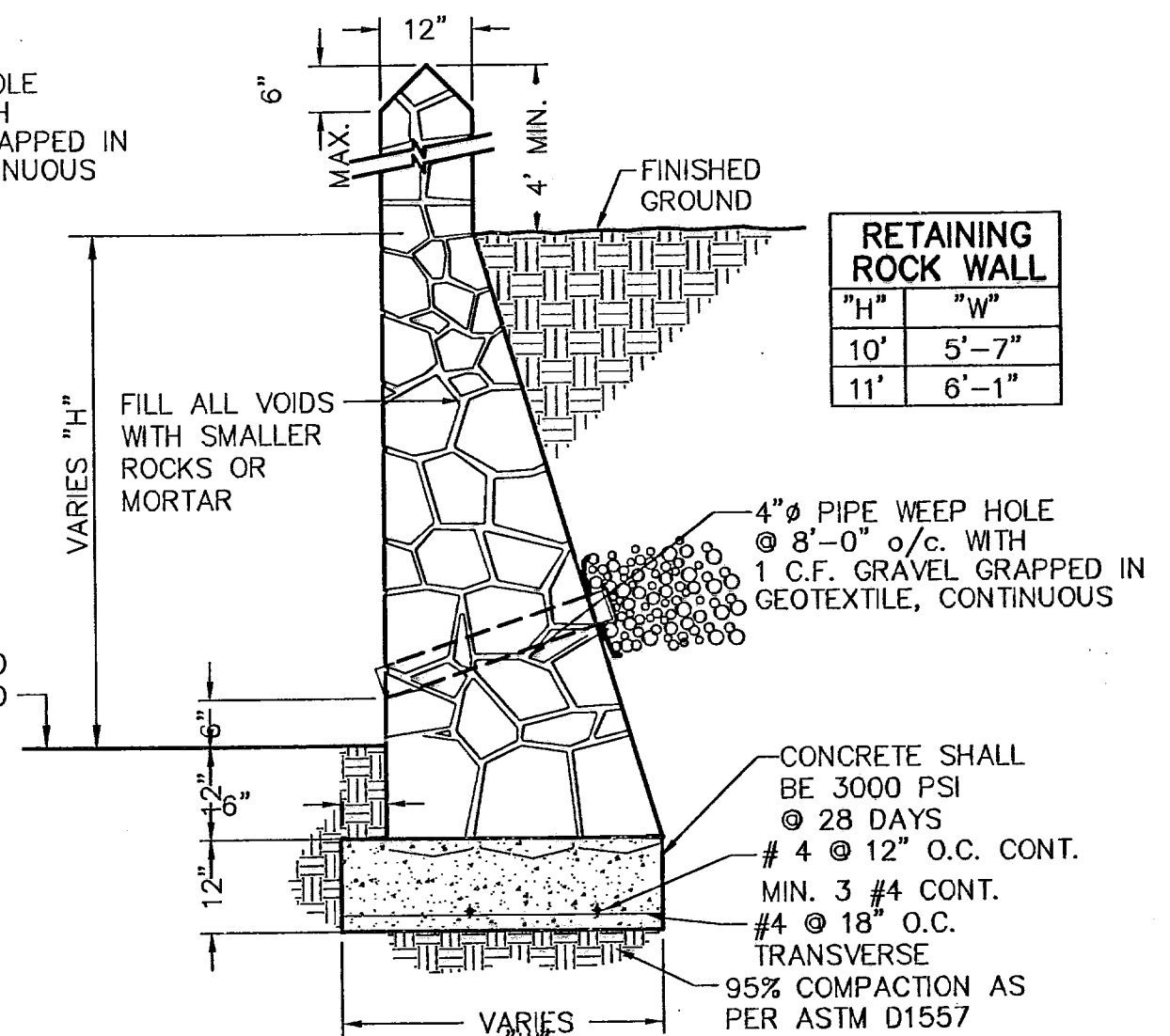
**GARDEN WALL SECTION**



**GARDEN WALL SECTION (2' MAX.)**



**RETAINING WALL SECTION (2' PLUS TO 3' MAX.)**



**RETAINING WALL SECTION (10' MIN. TO 11' MAX.)**

**5 TYPICAL ROCKWALL DETAILS**  
 SCALE: 1/2" = 1'-0"

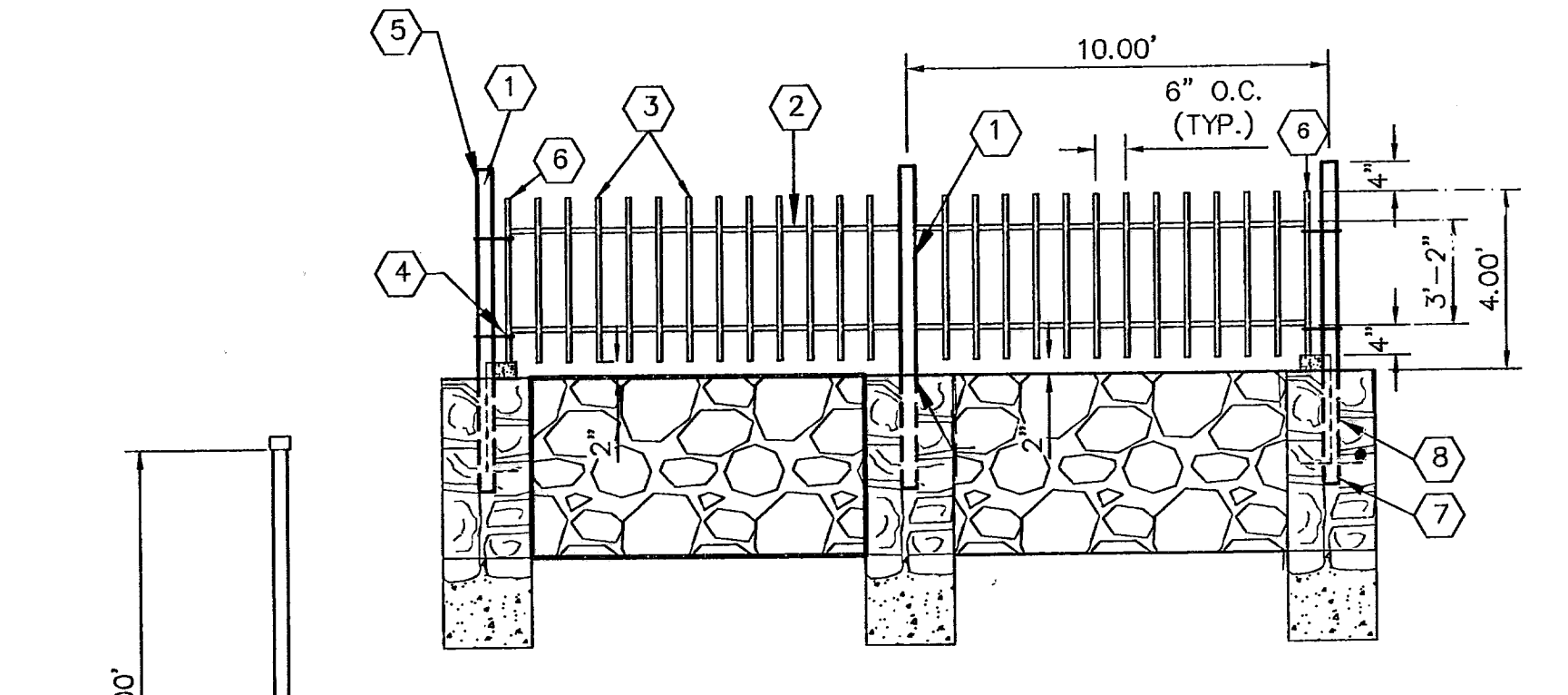
**ROCK WALL NOTES**

- 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 OR CINDER 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 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).

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

**KEY NOTES**

- 3" x 3" x 3/16" SQUARE STEEL TUBING
- 2" x 1" x 14 GA. RECTANGULAR STEEL TUBING
- 1 1/2" x 1/2" x 16 GA. RECTANGULAR STEEL TUBING
- BOLT HOOK AND STRAP HINGE
- FLAT TOP POLYVINYL CAP (TYP.)
- 2" x 1" x 10 GA. RECTANGULAR STEEL TUBING
- 1' x 3' DEEP 3000 PSI CONCRETE POST FOOTING
- 5" x 5" x 3/8" SQUARE STEEL SLEEVE W/7" x 7" x 3/8" BASE PLATE



**ROCKWALL SECTION**  
 SCALE: N.T.S.

**4 TYPICAL ROCKWALL W/ WROUGHT IRON FENCE DETAILS**  
 SCALE: N.T.S.

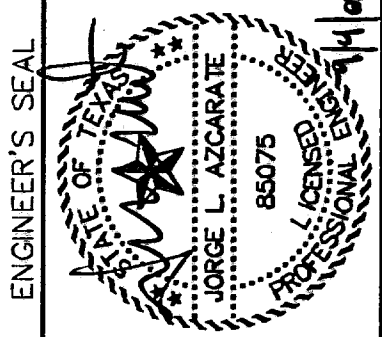


THESE RECORD DOCUMENTS HAVE BEEN PREPARED BASED ON INFORMATION PROVIDED BY OTHERS. CEA GROUP HAS NOT VERIFIED THE ACCURACY AND/OR COMPLETENESS OF THIS INFORMATION AND SHALL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS THAT MAY BE INCORPORATED AS A RESULT OF ERRONEOUS INFORMATION PROVIDED BY OTHERS.

8/18/08

REFERENCES - BENCHMARKS	DATE	REVISIONS	BY
CITY MONUMENT AT POINT OF CURVE			
N. CH. 100+31.1			
4' DISTANCE FROM BENCH MARK TO THE SOUTHERLY RIGHT-OF-WAY LINE OF MONTANA AVENUE CITY DATUM			
ELEVATION: ..... 4005.40			

**cea**  
 engineers • architects • planners  
 1204 Montana Ave., El Paso, Texas 79902  
 Office 915.544.5232 Fax 915.544.5233  
 www.ceagroup.net

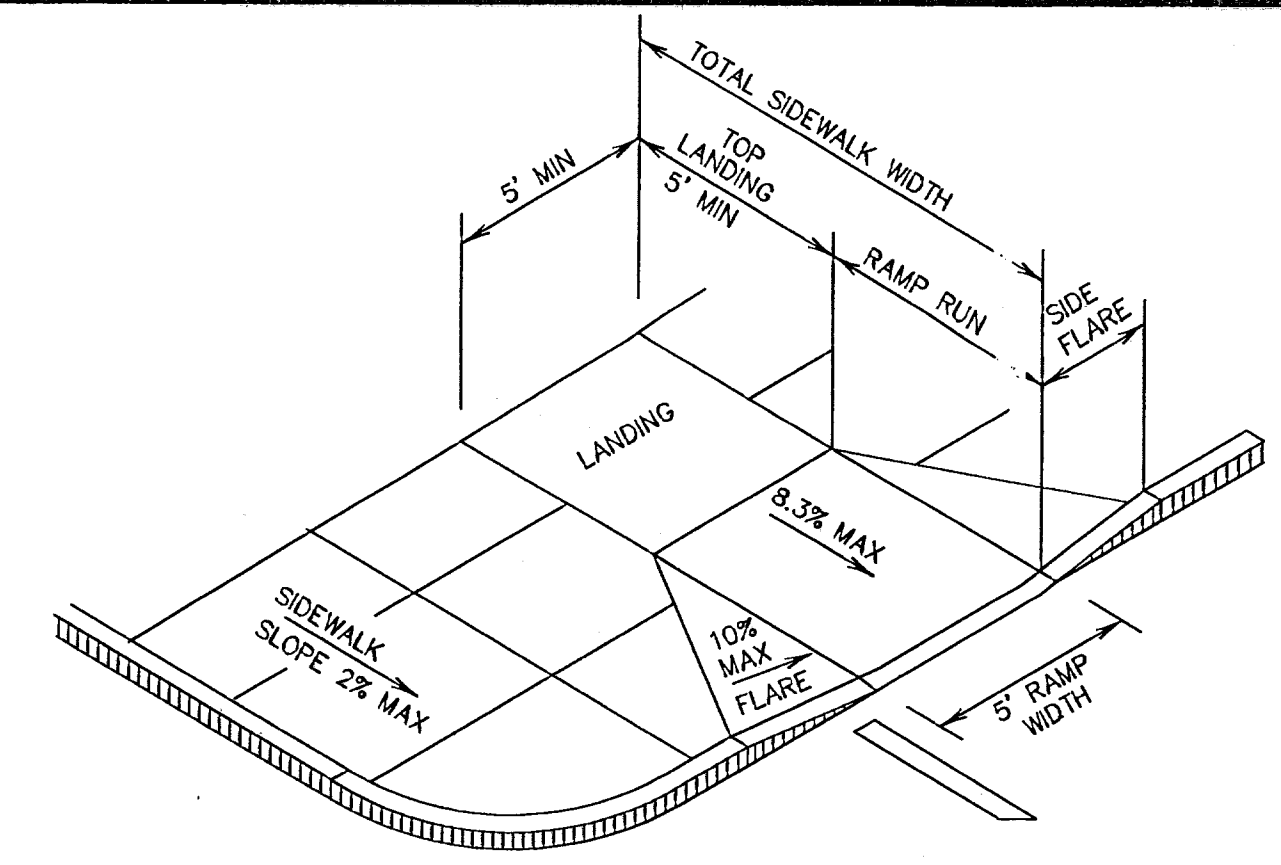


SCALE	N/A
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Vertical:	N/A
Contour Interval:	N/A
DATE:	AUGUST 2007
DESIGN BY:	R.O.
DRAWN BY:	J.M.
CHKD. BY:	J.L.A.
APPVD. BY:	J.L.A.
JOB No.	2250-017-LD

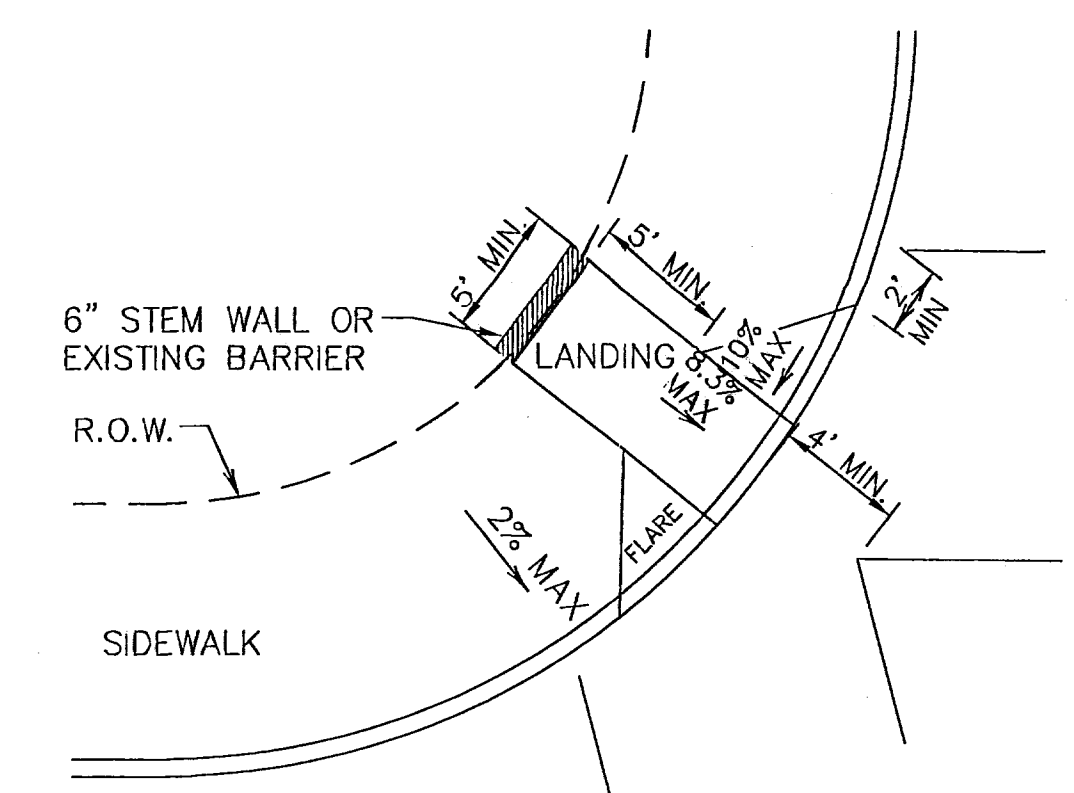
PROJECT TITLE  
**TRES SUEÑOS UNIT THREE**  
**SUBDIVISION IMPROVEMENTS**

SHEET TITLE  
 STANDARD DETAILS  
 (SHEET 3 OF 3)  
 SHEET NO.

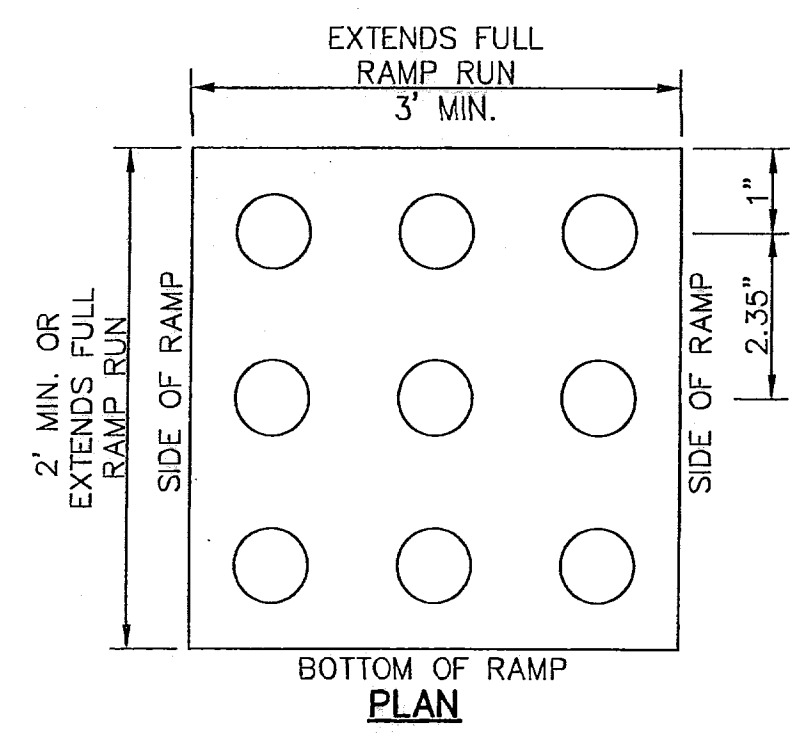
19  
 OF 26



1 PERPENDICULAR CURB RAMP (TYPE I)  
 SCALE: N.T.S.



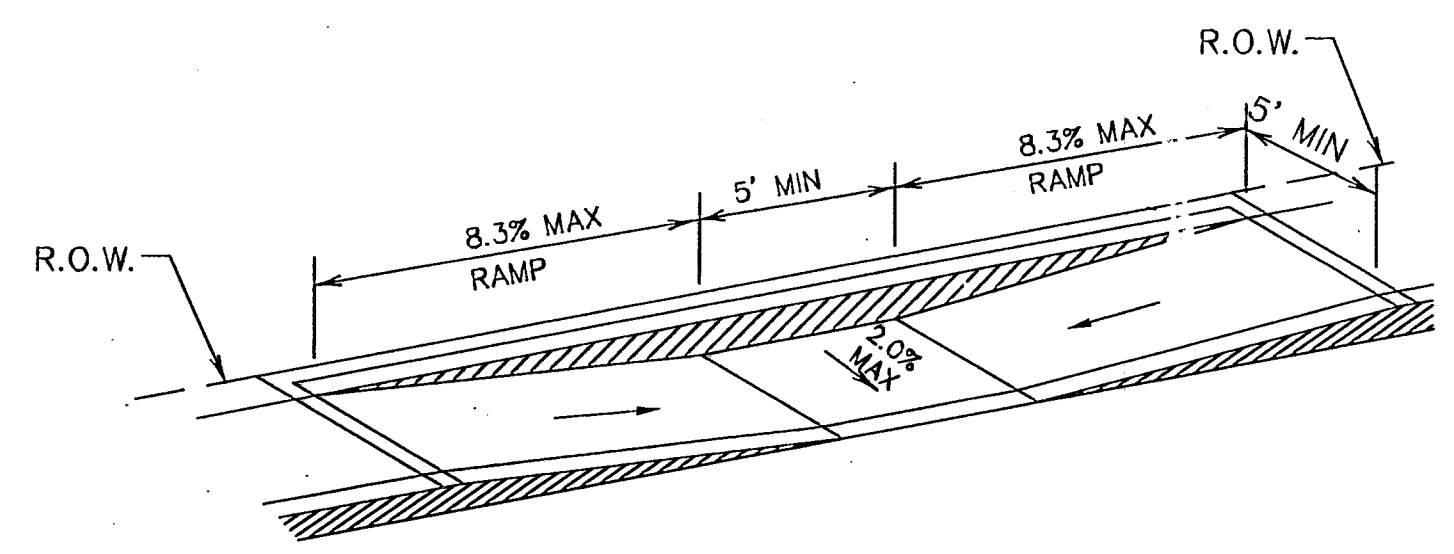
4 DIAGONAL CURB RAMP (FLARED SIDES) (TYPE V)  
 SCALE: N.T.S.



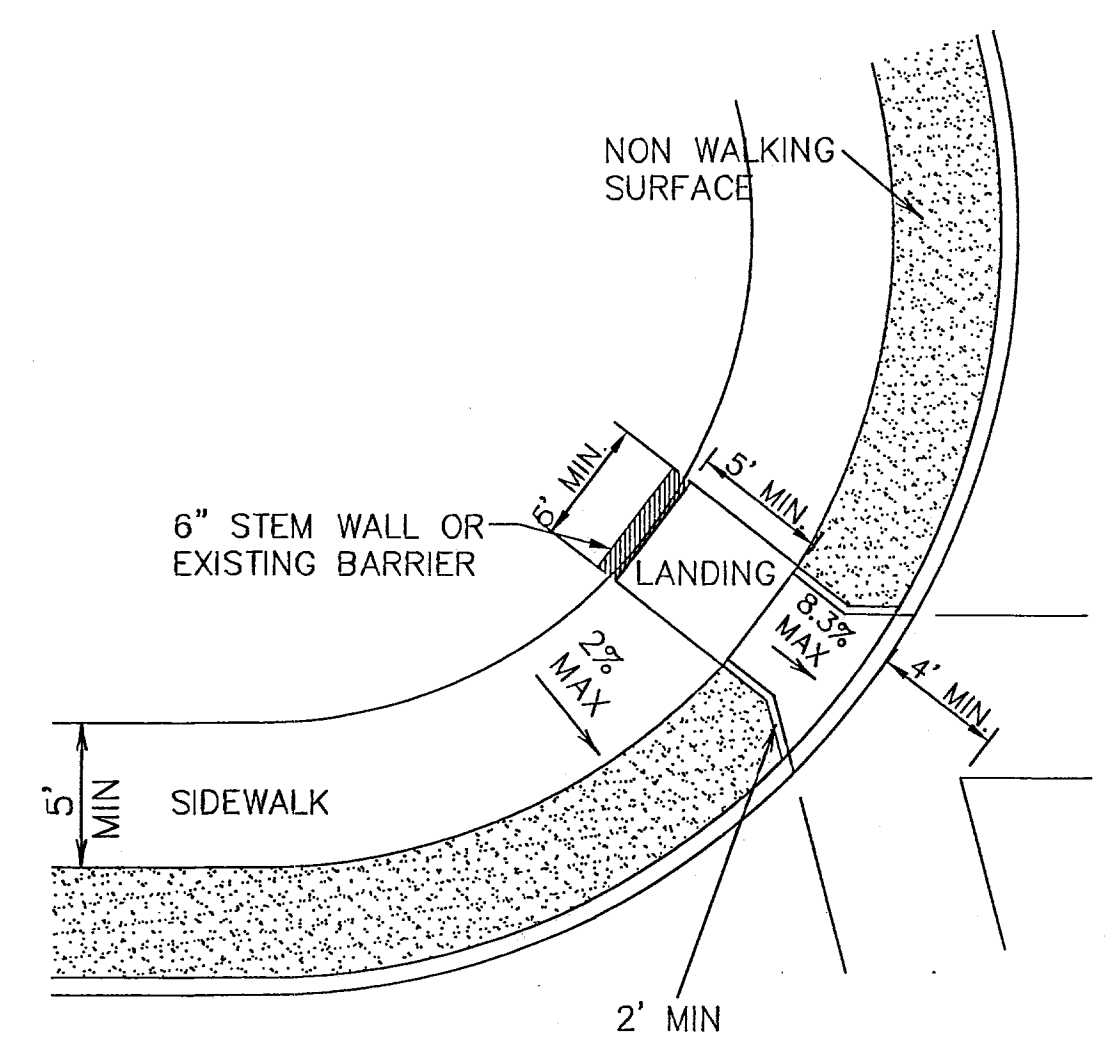
NOTES:

- ALL CONCRETE SHALL BE 3,000 P.S.I. MIN. AT 28 DAYS.
- CONCRETE SLABS SHALL BE A MIN. 4" THICK.
- 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 HAVE A COLOR CONTRAST VISUALLY WITH ADJOINING SURFACES.
- ALL NEW RAMPS SHALL COMPLY WITH T.A.S. AND A.D.A. REQUIREMENTS. ANY SECTIONS NOT CONFORMING WILL BE REMOVED AT THE CONTRACTOR'S EXPENSE.

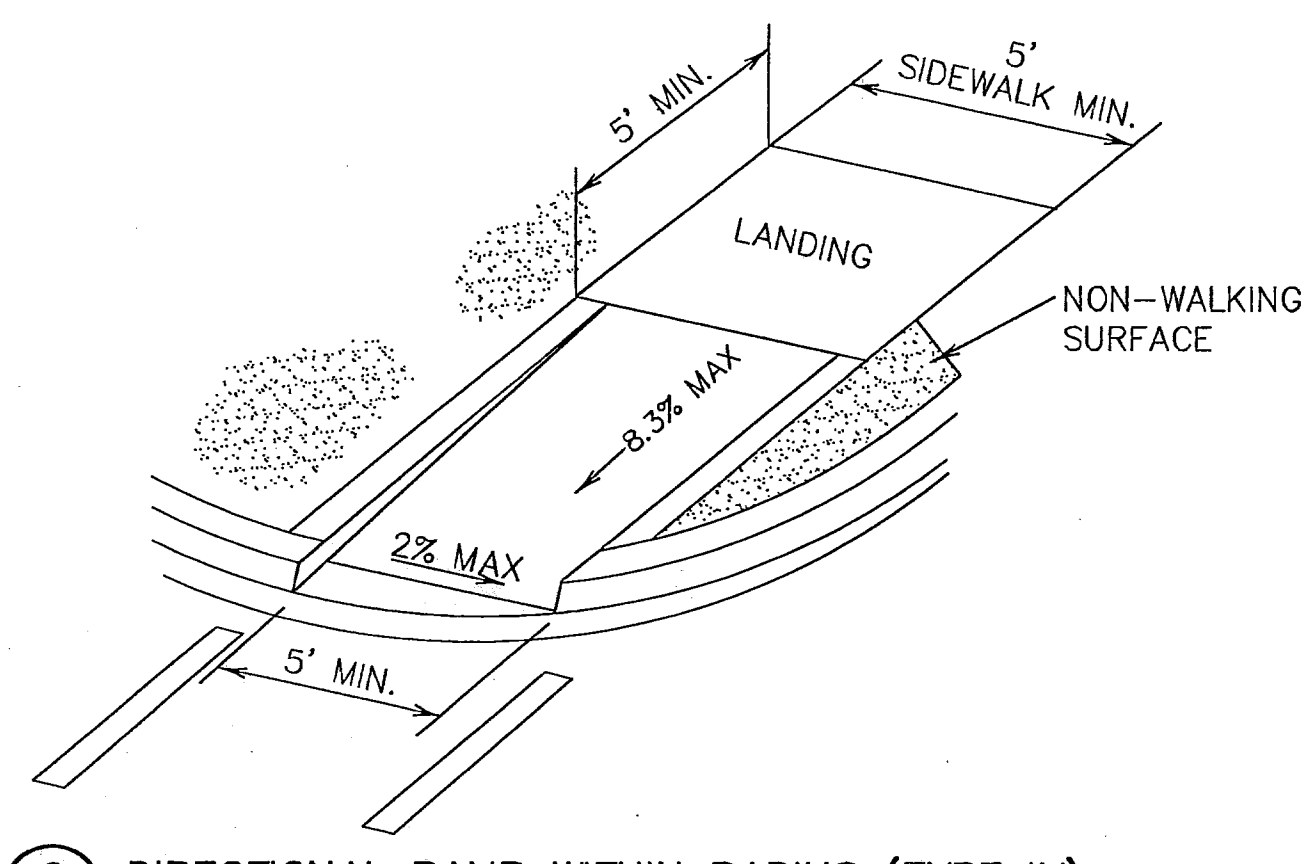
7 TRUNCATED DOME  
 SCALE: N.T.S.



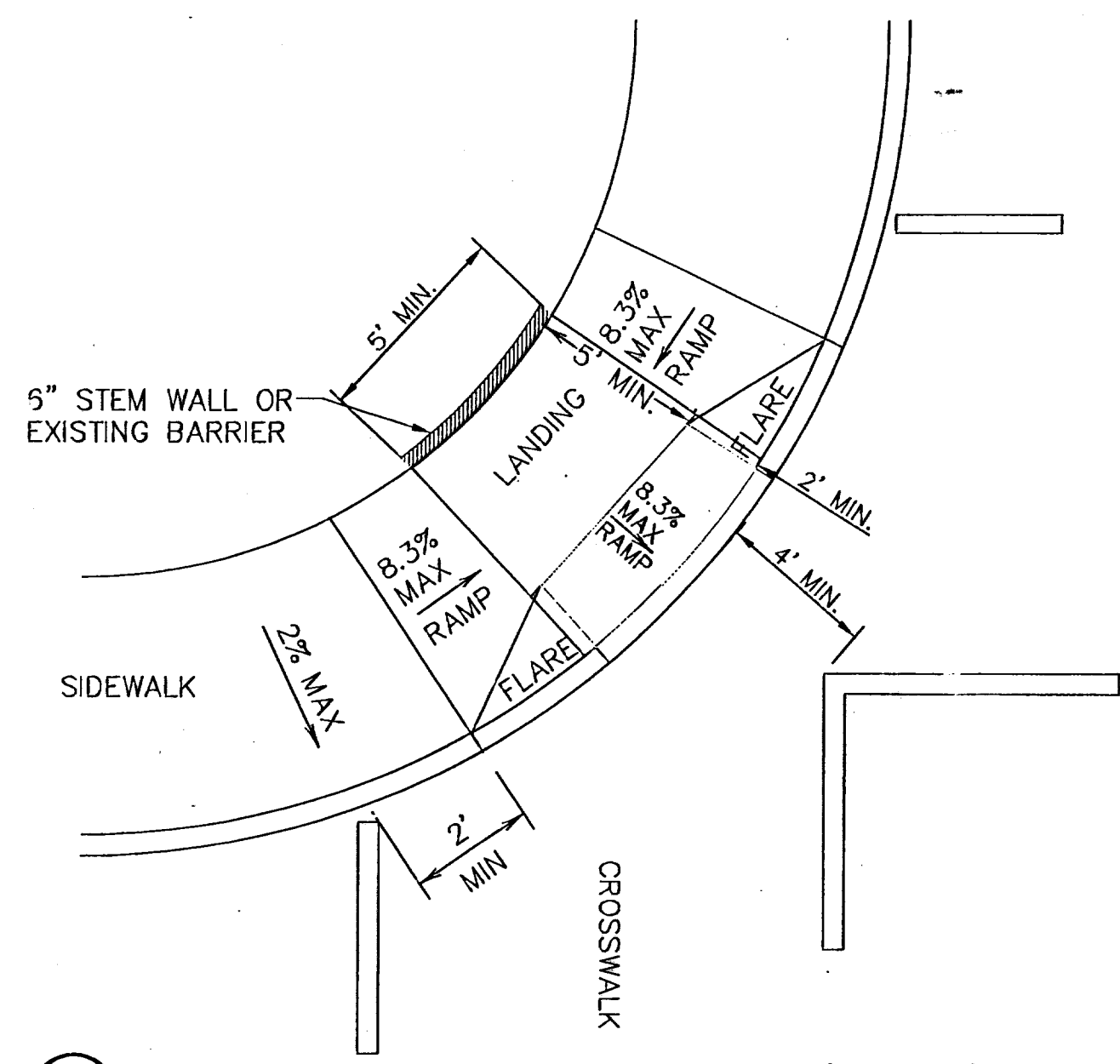
2 PARALLEL CURB RAMP (TYPE II)  
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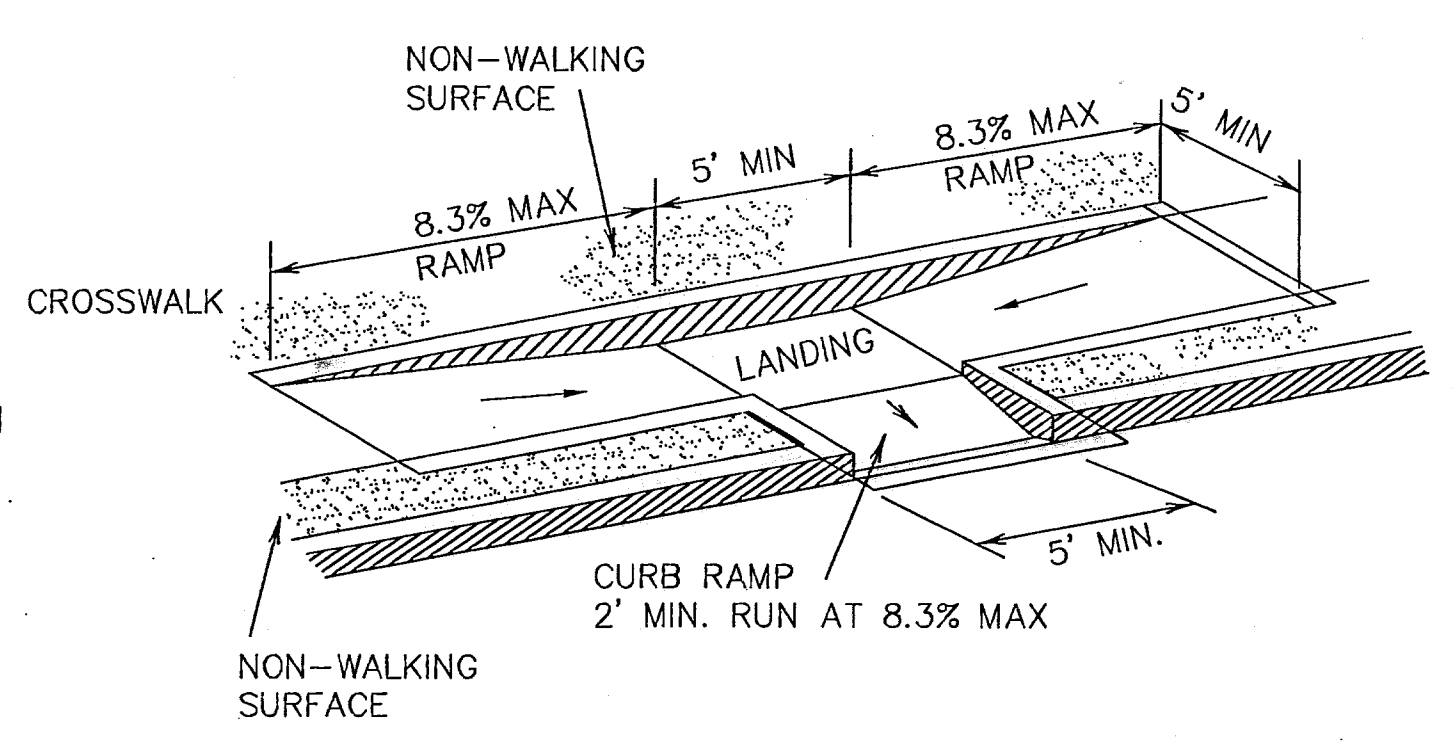
5 DIAGONAL CURB RAMP (RETURNED CURB) (TYPE VI)  
 SCALE: N.T.S.



8 DIRECTIONAL RAMP WITHIN RADIUS (TYPE IV)  
 SCALE: N.T.S.

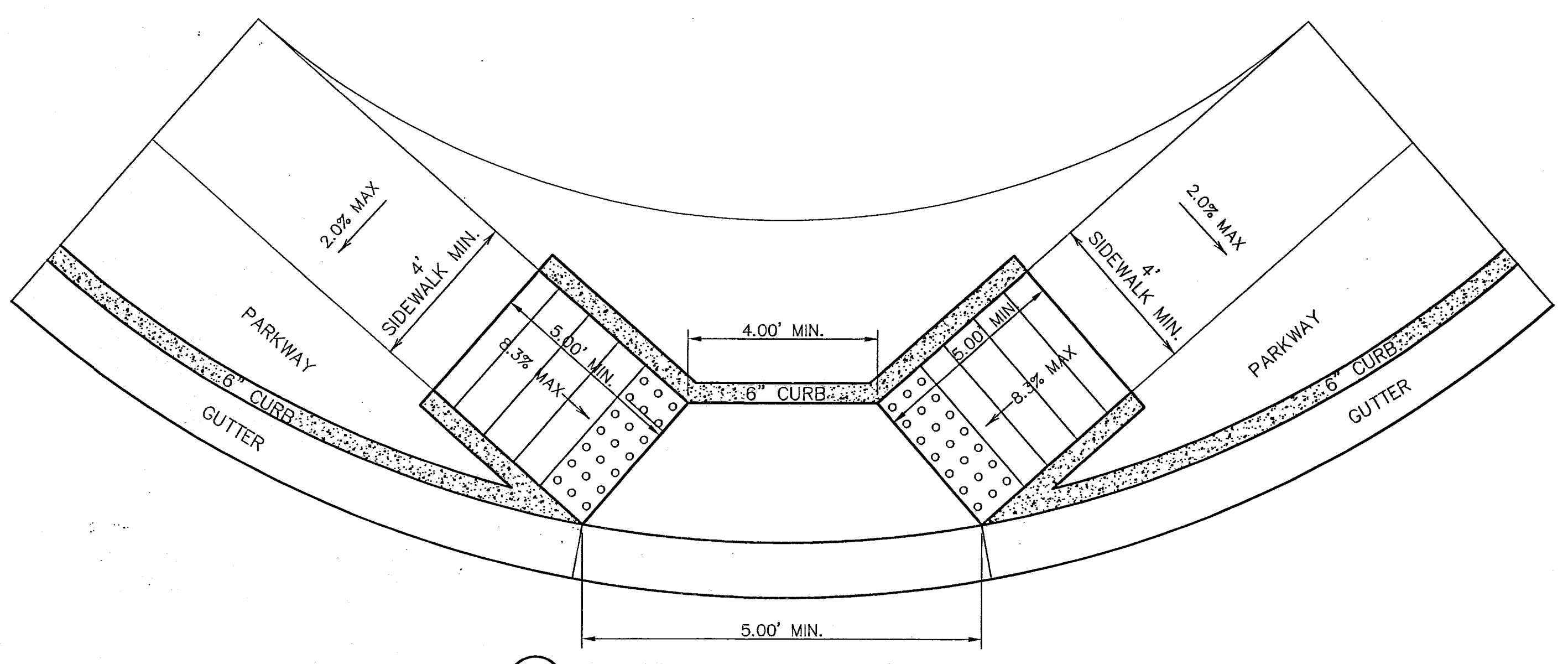


3 DIAGONAL COMBINATION CURB RAMP (TYPE III)  
 SCALE: N.T.S.



6 COMBINATION CURB RAMPS (TYPE VII)  
 SCALE: N.T.S.

GENERAL NOTES:



9 DIRECTIONAL RAMP @ INTERSECTION  
 SCALE: N.T.S.



THESE RECORD DRAWINGS HAVE BEEN PREPARED BASED ON INFORMATION PROVIDED BY OTHERS. OEA GROUP HAS NOT VERIFIED THE ACCURACY AND/OR COMPLETENESS OF THIS INFORMATION AND SHALL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS THAT MAY BE INCORPORATED AS A RESULT OF ERRONEOUS INFORMATION PROVIDED BY OTHERS.

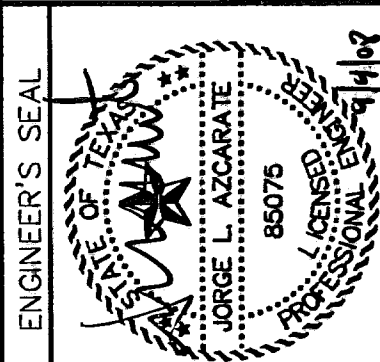
8/18/08

REFERENCES - BENCHMARKS

CITY MONUMENT AT POINT OF CURVE  
CENTERLINE RICH BEEM BLVD. S08+32.31' E  
A DISTANCE OF 467.58 FEET FROM THE  
SOUTHERLY RIGHT OF WAY LINE OF  
MONTANA AVENUE CITY DATUM  
ELEVATION.....4005.40

DATE	REVISIONS	BY

**OEA GROUP**  
engineers • architects • planners  
1204 Montana Ave., El Paso, Texas 79902  
Office 915.544.5232 Fax 915.544.5233  
www.oegrp.com



SCALE

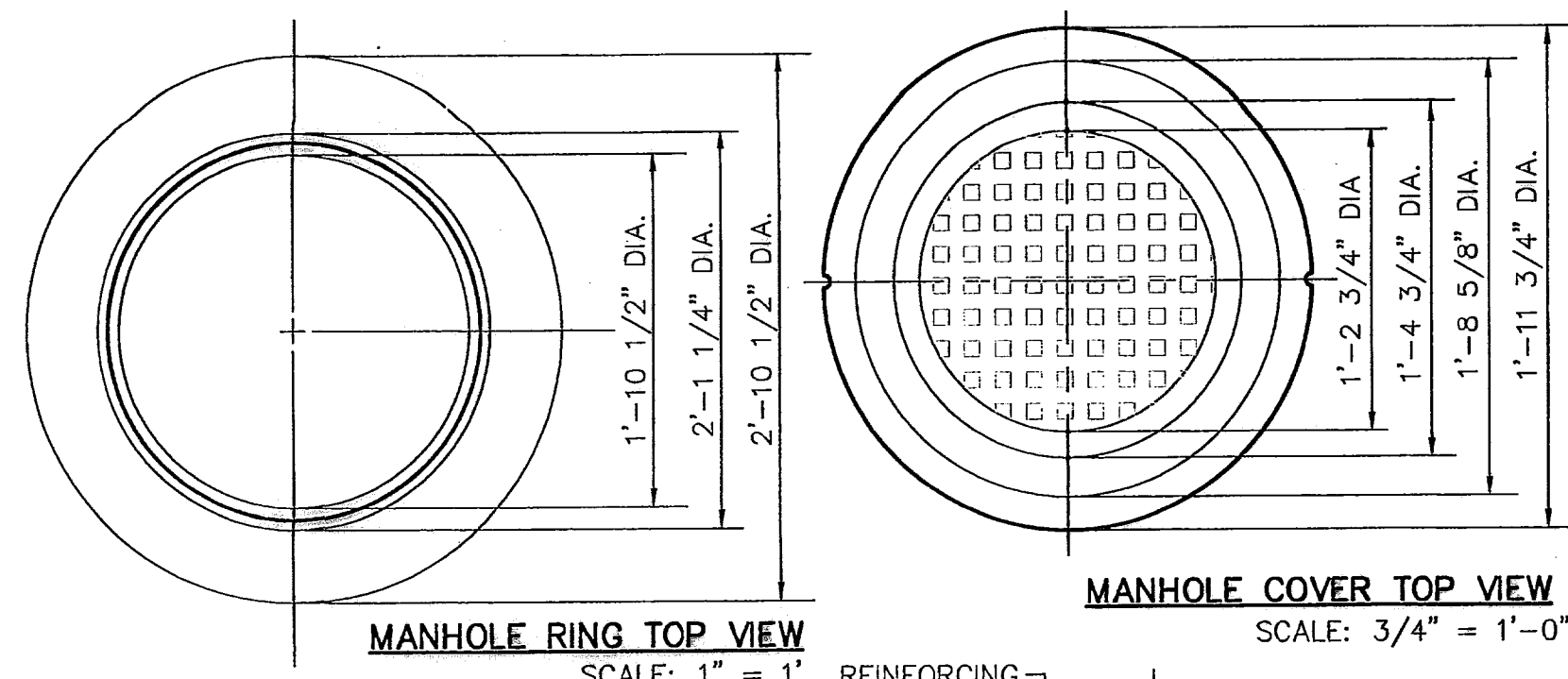
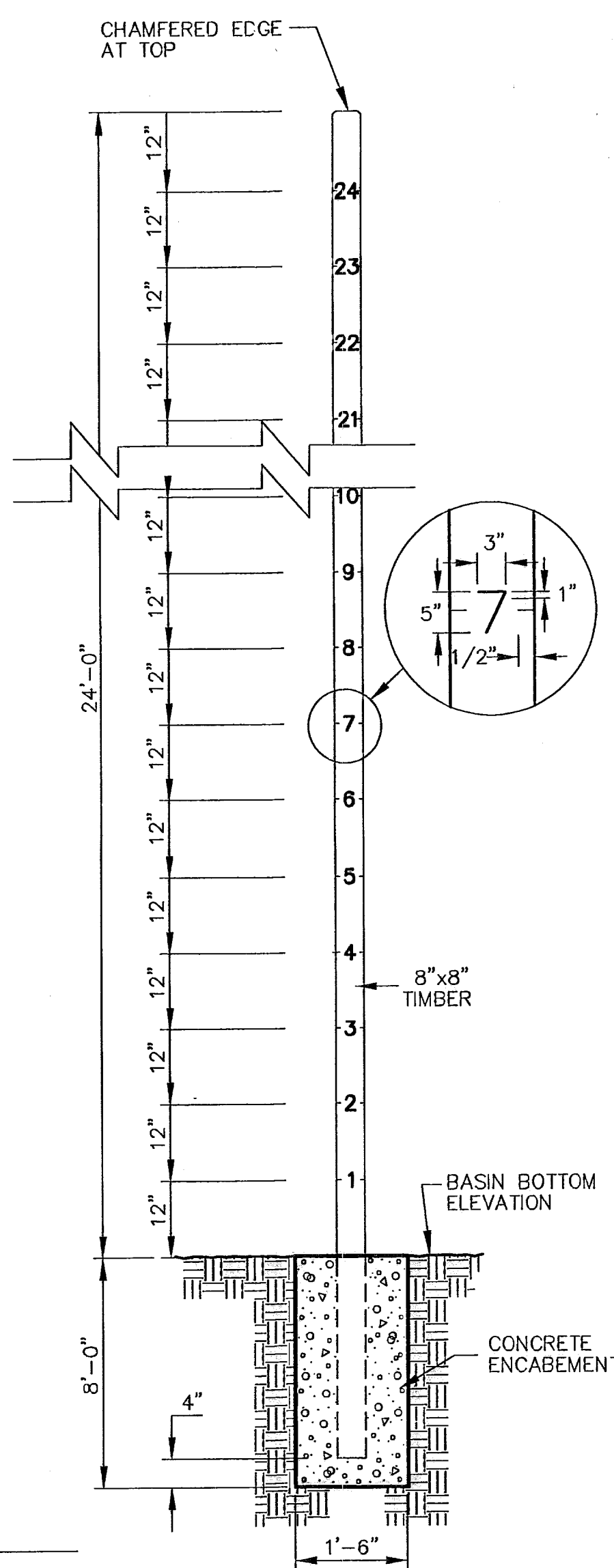
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Vertical:	N/A
Contour Interval:	N/A
DATE:	AUGUST 2007
DESIGN BY:	R.O.
DRAWN BY:	J.L.M.
CHKD. BY:	J.L.A.
APP'D. BY:	J.L.A.
JOB No.:	2250-017-10

PROJECT TITLE  
**TRES SUEÑOS UNIT THREE  
SUBDIVISION IMPROVEMENTS**

SHEET TITLE  
**DRAINAGE  
DETAILS**

(SHEET 1 OF 2)  
SHEET NO.  
**20**

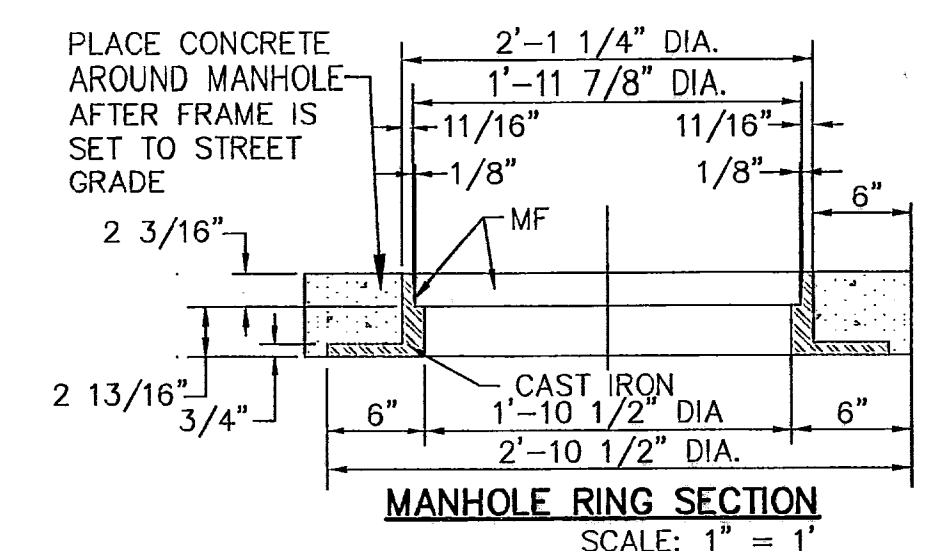
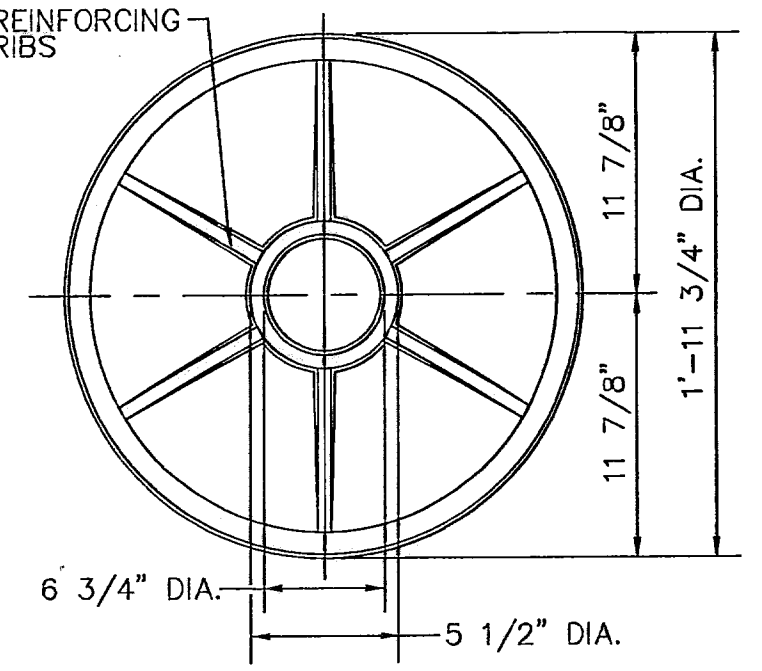
OF 28



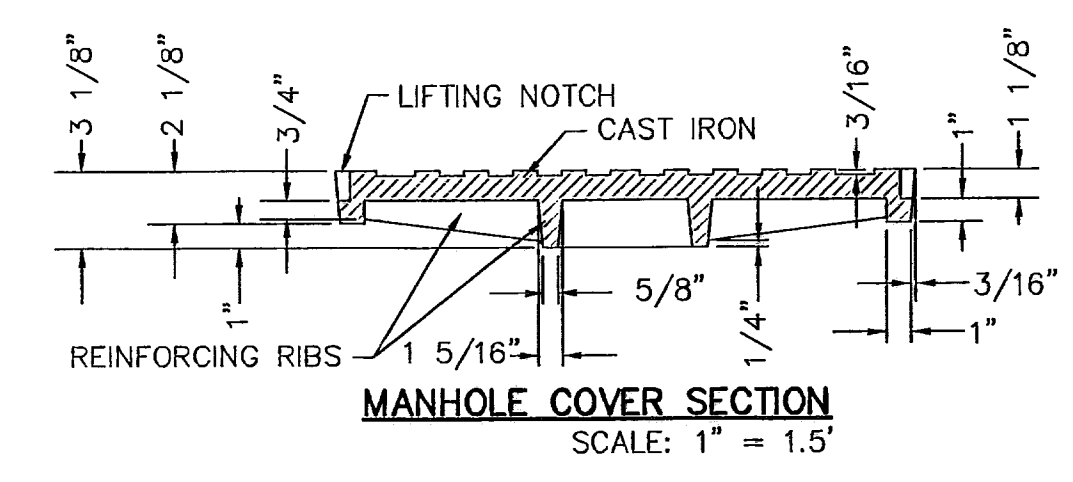
MH. RING	48" MH.	72" MH.
WEIGHT	165 LBS.	225 LBS.
A	2'-10 1/2"	3'-6"
B	2'-1 1/4"	2'-8 3/4"
C	1'-1 1/2"	2'-6"
D	1'-11 7/8"	2'-7 3/8"

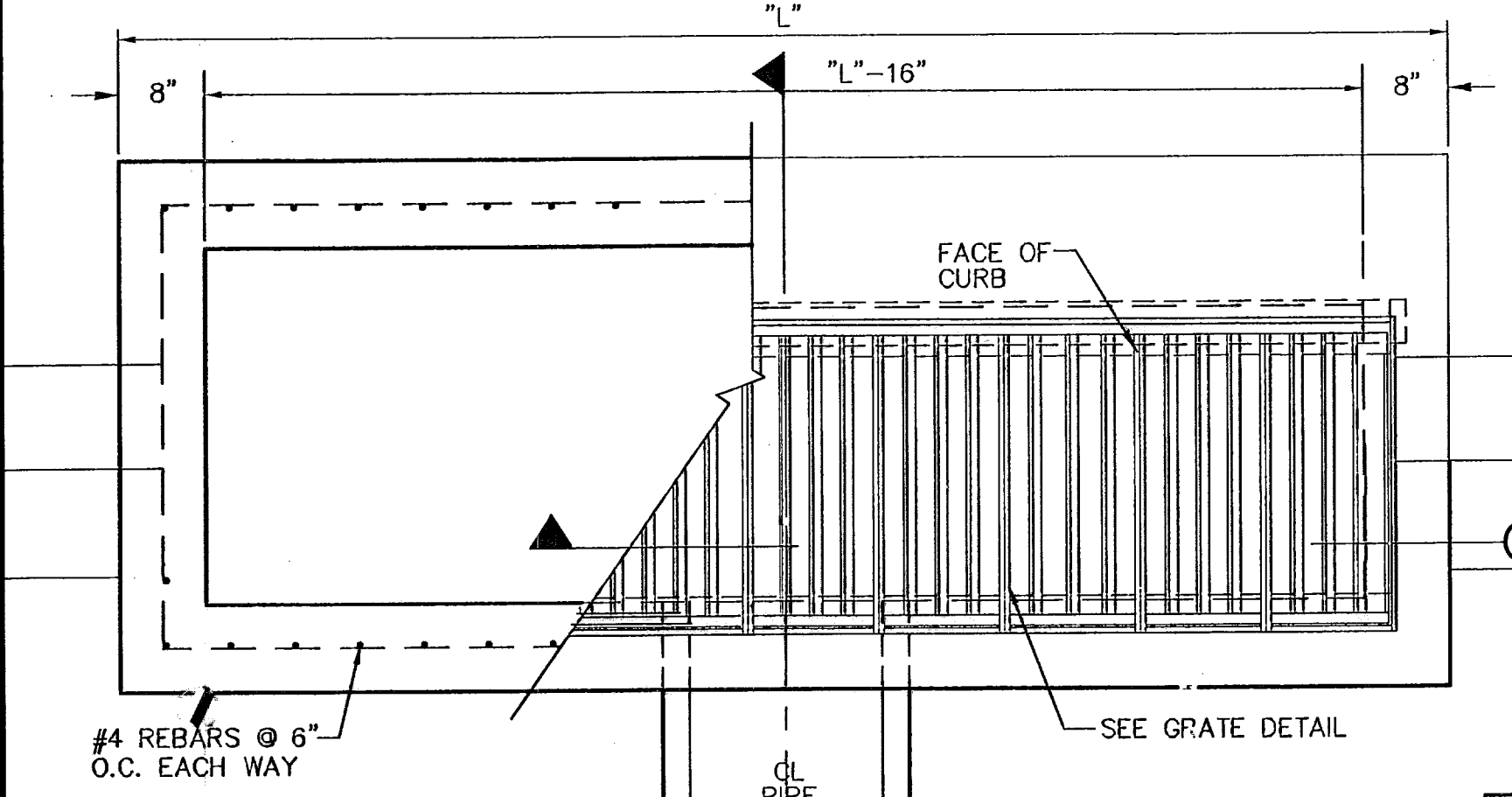
MH. COVER	48" MH.	72" MH.
WEIGHT	175 LBS.	310 LBS.
A	1'-11 3/4"	2'-7 1/4"
B	1'-8 5/8"	2'-4 1/8"
C	1'-4 7/8"	2'-3/8"
D	1'-2 3/8"	1'-9 7/8"
E	11 7/8"	1'-3 5/8"



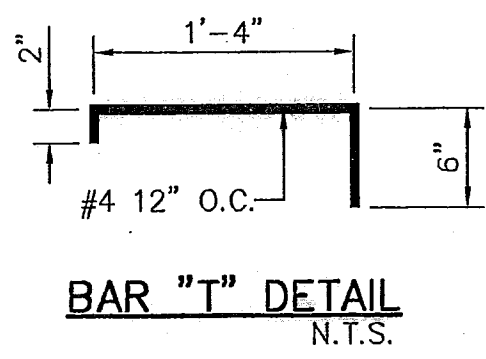
MANHOLE RING NOTES:  
1. MATCHING SURFACES MARKED "MF" TO BE MACHINE FINISHED OF ANY IRREGULARITIES THAT WOULD PREVENT A SNUG FIT.  
2. CASTING TO BE SMOOTH & VOID OF AIR HOLES.



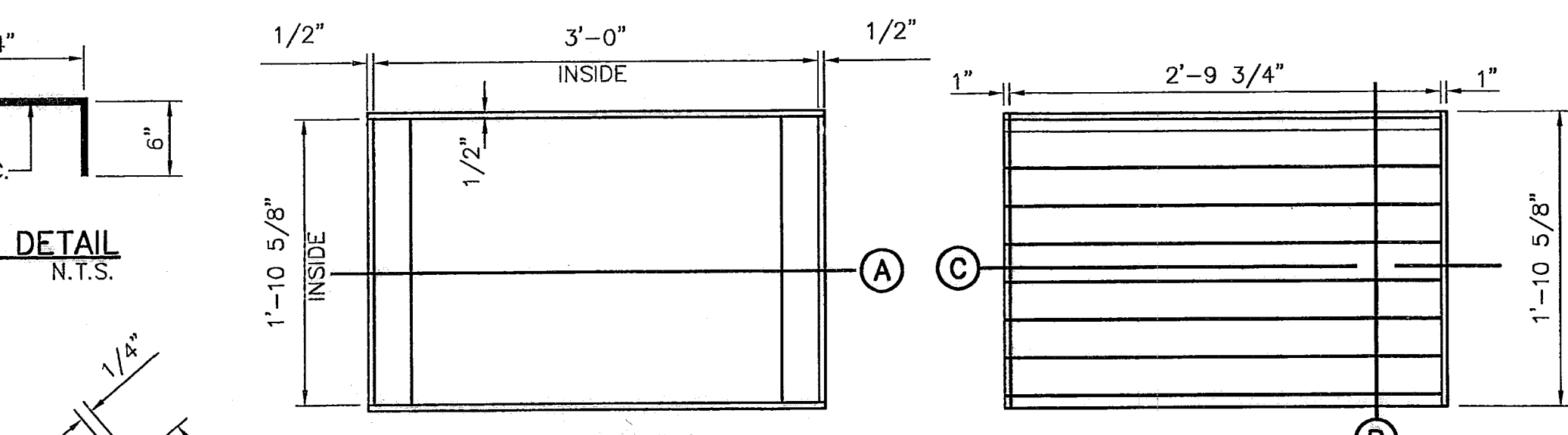
3 MANHOLE RING AND COVER DETAILS  
SCALE AS SHOWN



2 WATER DEPTH POLE DETAIL  
N.T.S.

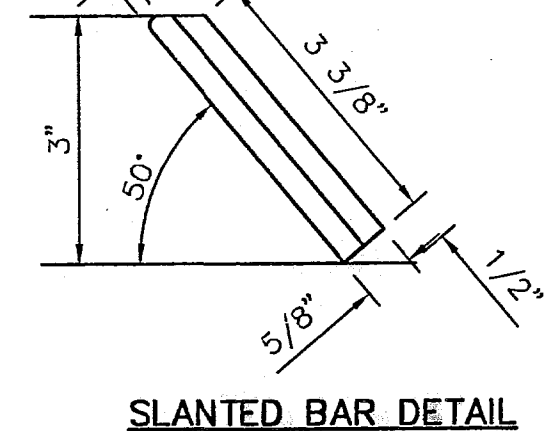


BAR "T" DETAIL  
N.T.S.

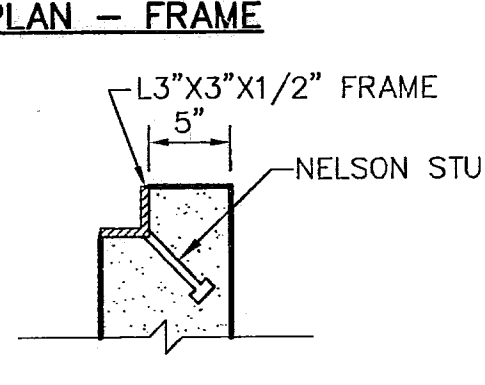


PLAN - FRAME

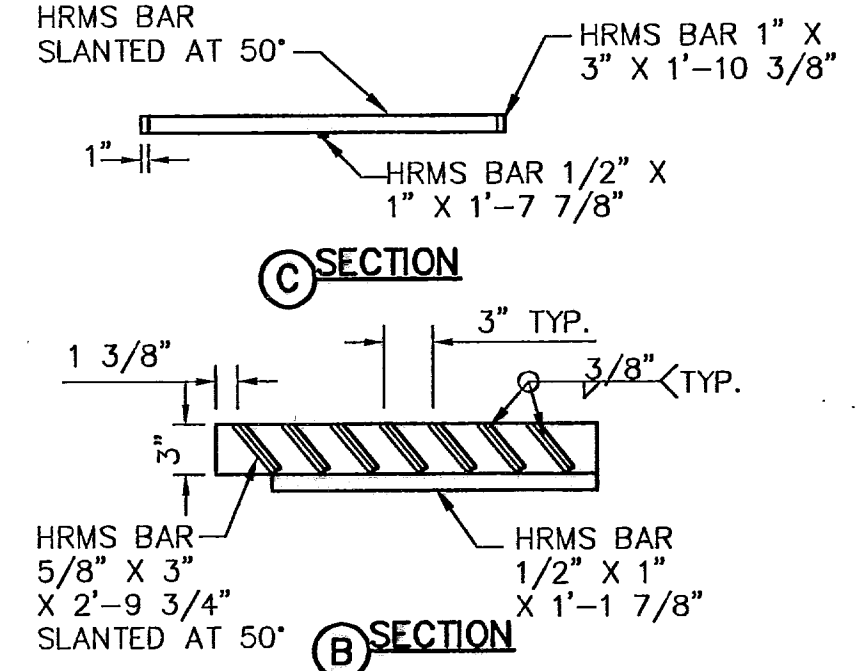
PLAN - GRATE



SLANTED BAR DETAIL



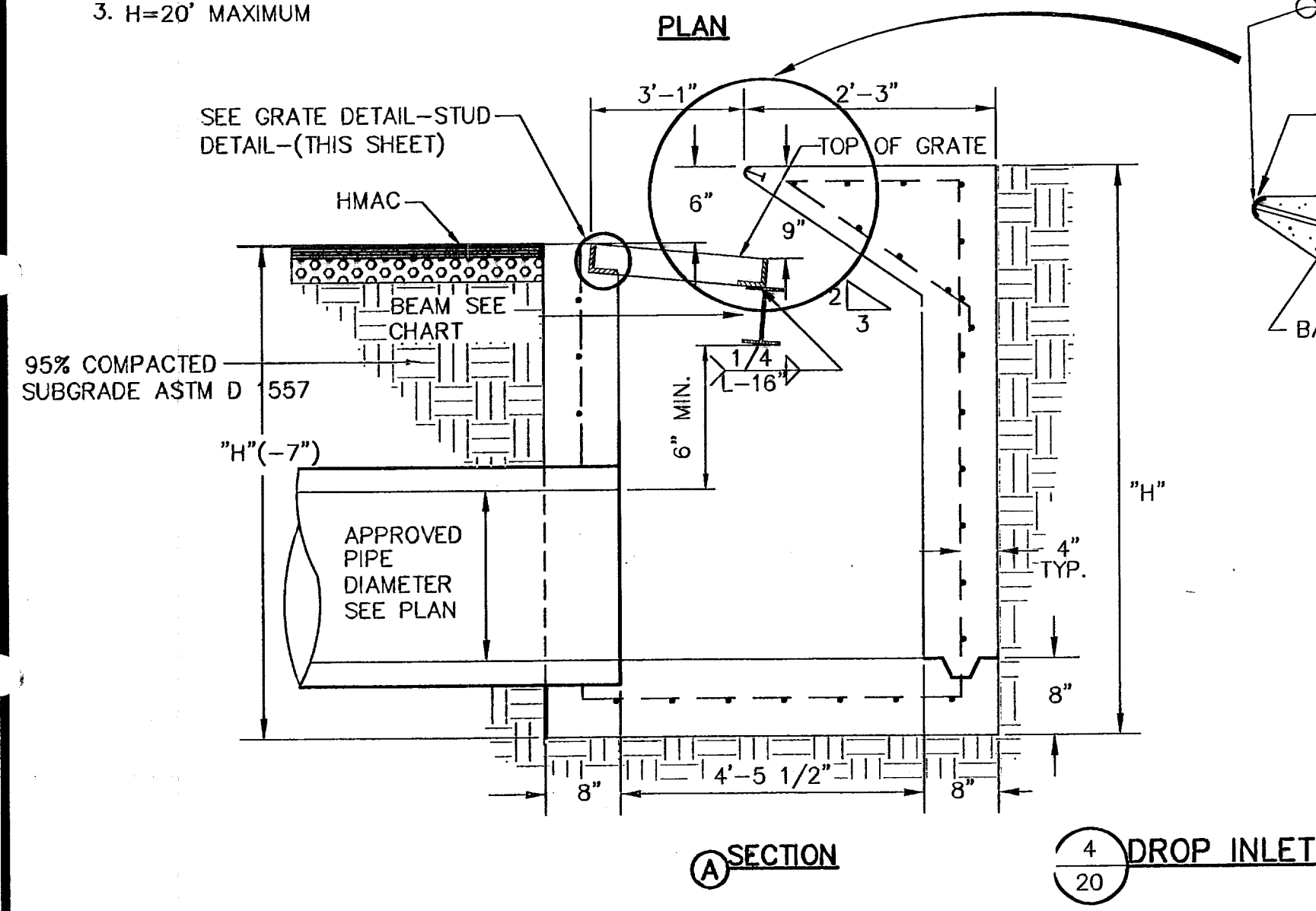
STUD DETAIL



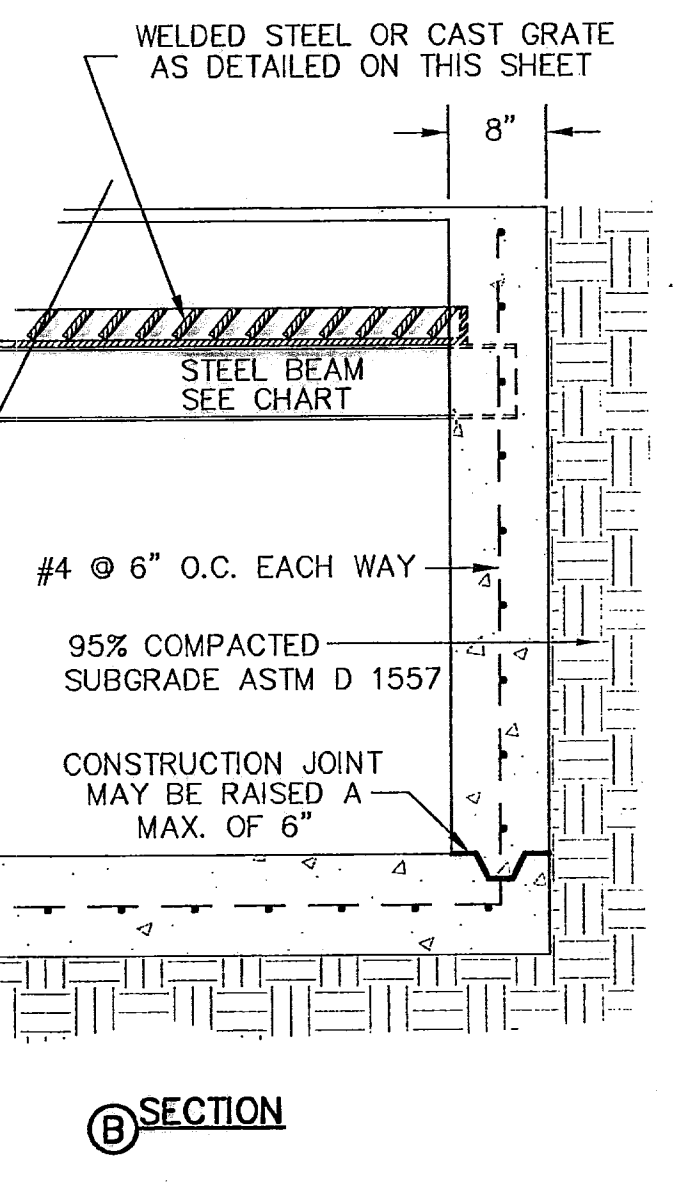
5 GRATE AND FRAME DETAILS  
SCALE: 1" = 1'-0"

NO. GRATES	CAPACITY	"L"	BEAM LENGTH	BEAM (MIN. SIZES)
1	9.84 CFS	3'-2 5/8"	2'-10"	W6x12, S4x13, MC6x8.2
2	19.63 CFS	5'-1 1/8"	4'-7 1/8"	W6x12, S6x12.5, MC6x15.1
3	29.69 CFS	7'-0 1/4"	6'-5 1/8"	W8x15, S7x15.3, MC7x17.6
4	39.10 CFS	8'-9 7/8"	8'-3 7/8"	W9x18, S8x18.4, MC10x21.9
5	48.72 CFS	10'-8"	10'-2"	W12x16, S8x21, MC10x21.9

- NOTES:
- GRATES TO BE PERPENDICULAR TO TRAFFIC
  - CONCRETE TO BE 3,000 PSI (MINIMUM) CORE TEST @ 28 DAYS.
  - H=20' MAXIMUM



4 DROP INLET (TYPE 1) DETAILS  
SC: 3/4" = 1'-0"



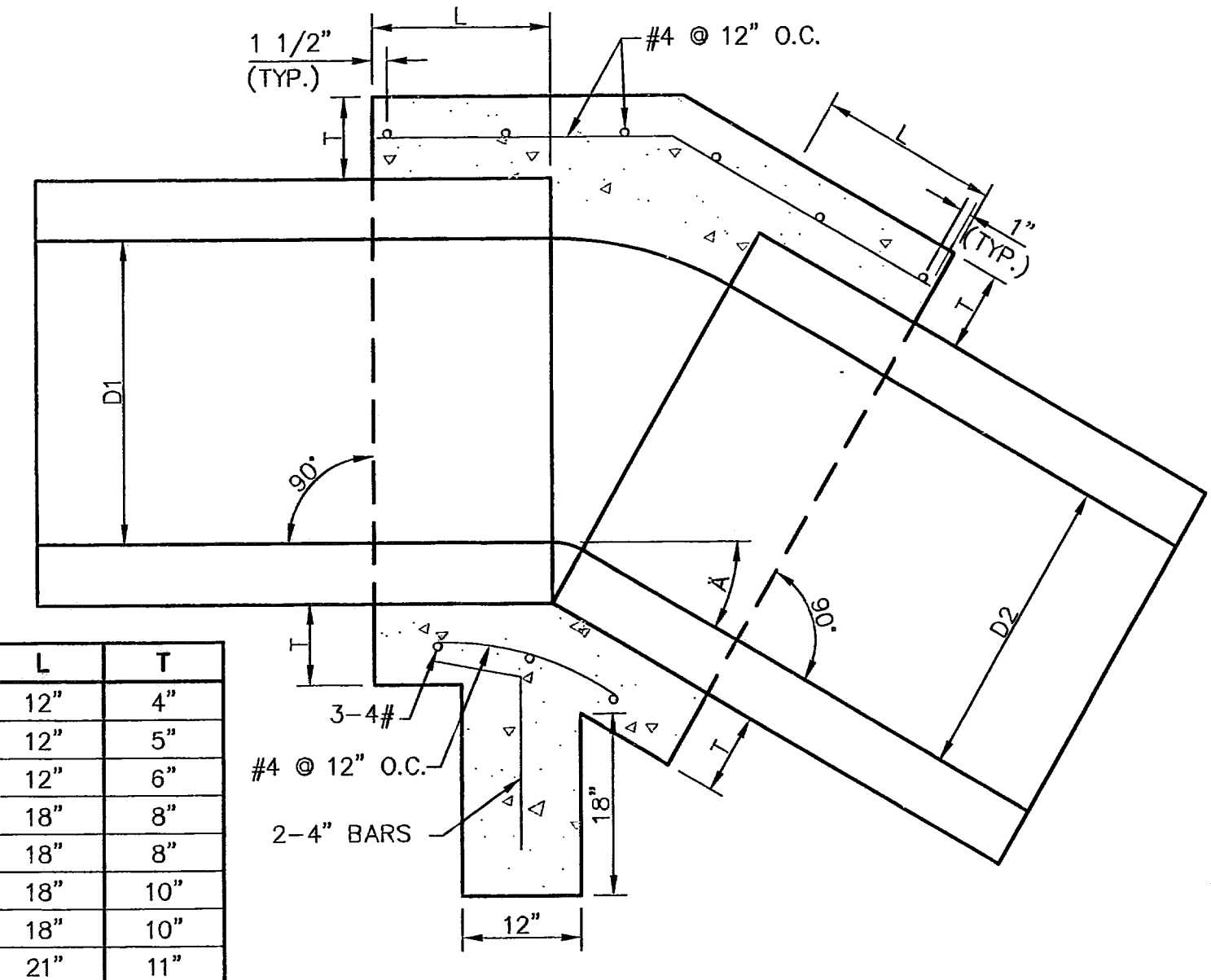
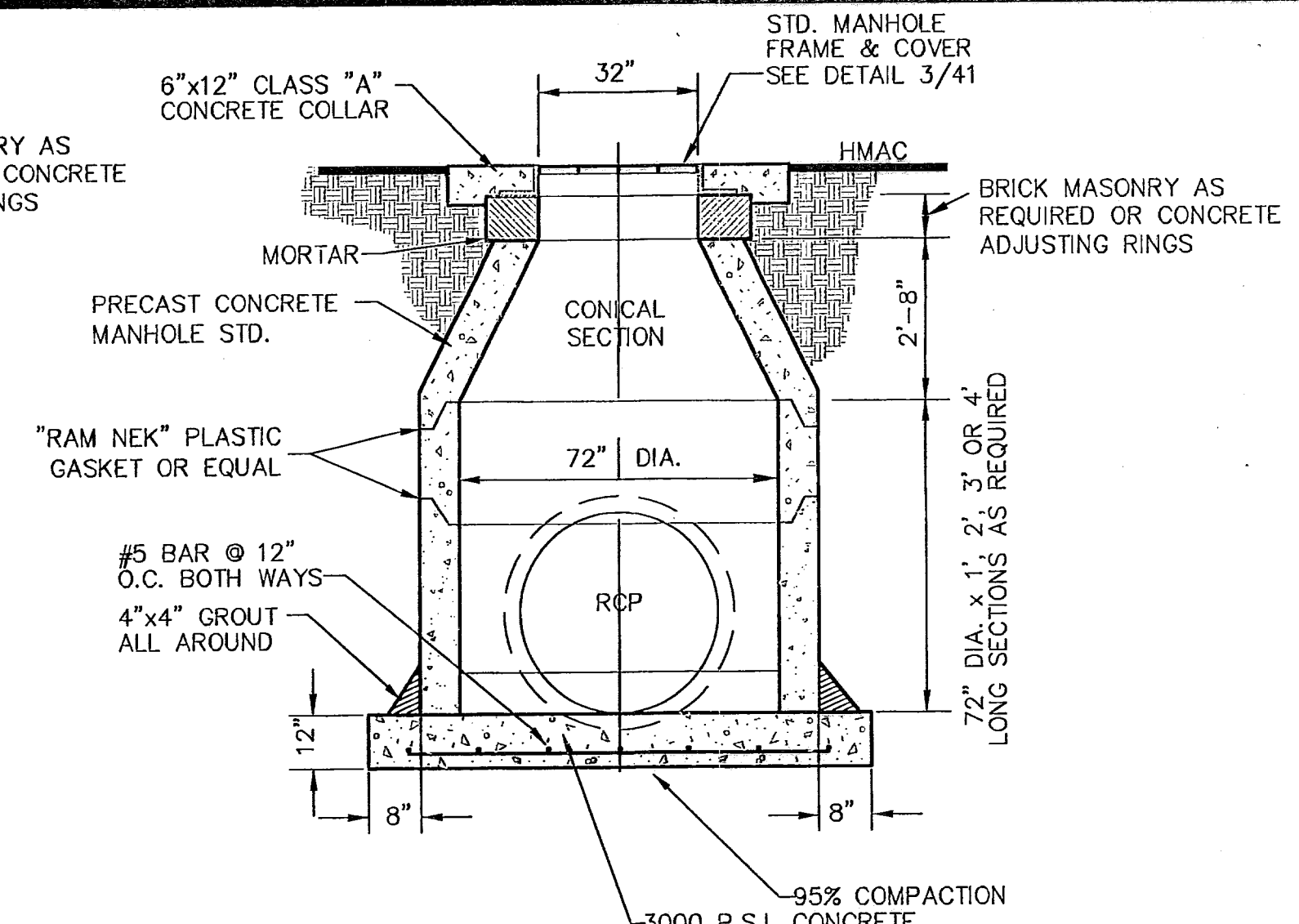
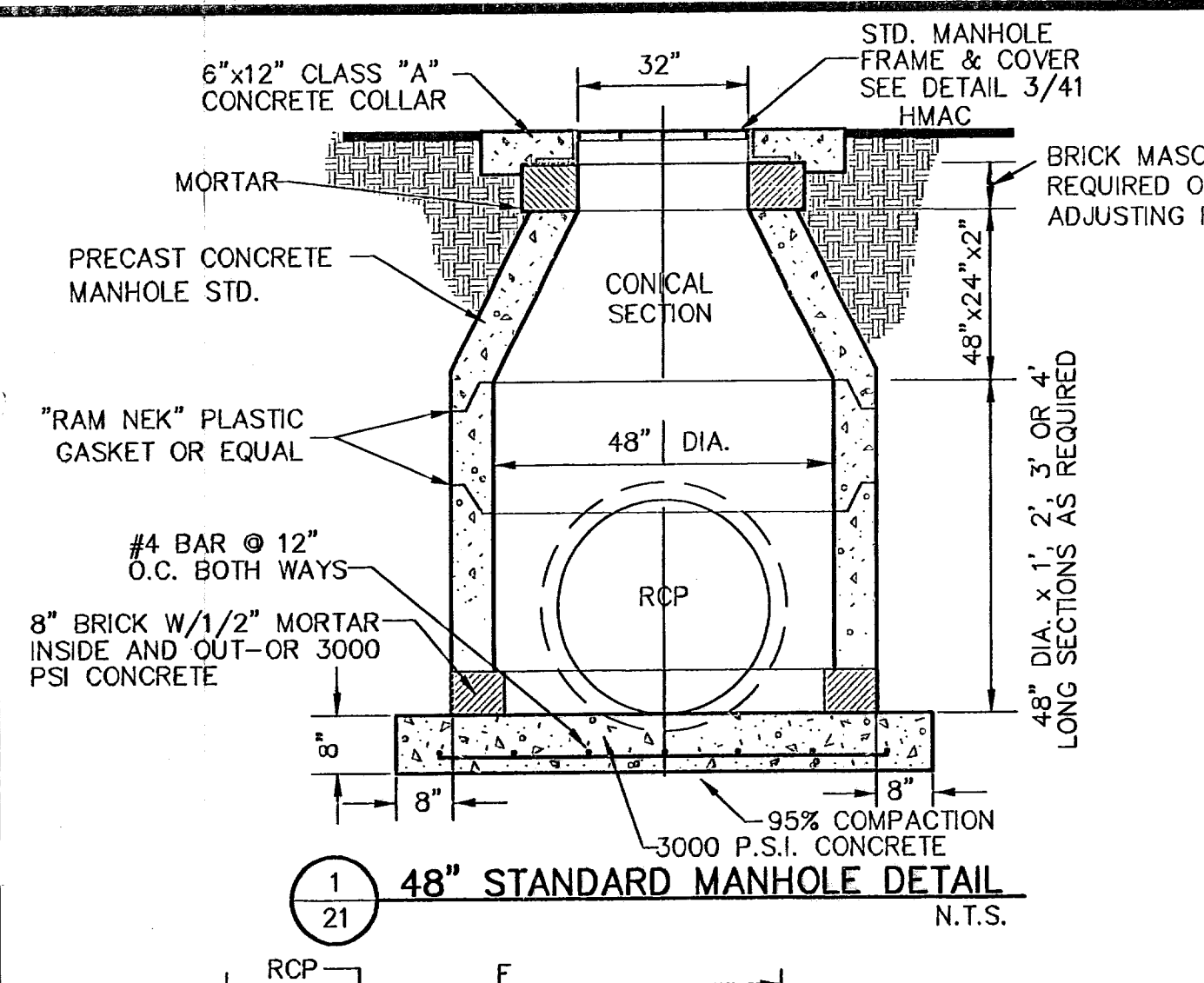
SECTION B

- WELDED STEEL OR CAST GRATES AS DETAILED ARE ALL ACCEPTABLE GRATES. MIXING OF ALTERNATE TYPES OF GRATES ON THE SAME PROJECT WILL BE PERMITTED WITH THE APPROVAL OF THE CITY ENGINEER.
- ALL CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH THE CURRENT STANDARD SPECIFICATIONS.
- SHARP EDGES RESULTING FROM FABRICATION SHALL BE DULLED BY ANY ACCEPTABLE METHOD FOR SAFETY IN HANDLING.
- GRATES SHALL BE INSTALLED IN FRAME WITH FLOW ARROW POINTING DOWNSTREAM OR TOWARD THE LOW POINT IN A SUMP.
- WELDED GRATES SHALL BE STRUCTURAL STEEL CONFORMING TO THE REQUIREMENTS OF AASHTO M-183 OR OF CORROSION RESISTANT STRUCTURAL STEEL CONFORMING TO THE REQUIREMENTS OF AASHTO M-161 OR M-222 OR BE MADE OF OTHER APPROVED STEELS OF EQUAL QUALITY. MIXING GRADES OF STEEL ON THE SAME GRATE WILL NOT BE PERMITTED.
- GRATES MADE OF M-183 STEEL SHALL BE GALVANIZED IN ACCORDANCE WITH AASHTO M-111 SPECIFICATIONS OR SHALL BE PAINTED WITH INORGANIC ZINC PAINTS, MEETING THE REQUIREMENTS OF CURRENT STANDARD SPECIFICATIONS.
- ALL WELDS SHALL HAVE A MINIMUM OF 1/4" FILLET AND SHALL CONFORM TO THE SPECIFICATIONS FOR HIGHWAY CONSTRUCTION AND TO THE AWS STRUCTURAL WELDING CODE. ELECTRODES SHALL BE COMPATIBLE TO THE DIFFERENT GRADES OF STEEL THAT COMPRISE THE GRATE MEMBERS.
- CAST GRATES SHALL BE CAST STEEL CONFORMING TO THE REQUIREMENTS OF AASHTO M-103, GRADE 65-35 OR OF DUCTILE IRON CONFORMING TO THE REQUIREMENTS OF ASTM A-536, SPECIAL GRADE 60-45, OR OF GRAY IRON CONFORMING TO THE REQUIREMENTS OF AASHTO M-105, CLASS 35B OR ASTM A-48 CLASS 35B. THE SPECIFICATIONS OF GENERAL APPLICATION FOR CAST STEEL GRATES SHALL BE AASHTO M-103 SCOPE 1.2.1, GRADE N-1.

- FERROUS CASTINGS SHALL BE OF UNIFORM QUALITY, FREE OF BLOWHOLES, POROSITY, HARD SPOTS, SHRINKAGE DISTORTION OR OTHER DEFECTS. THEY SHALL BE SMOOTH AND WELL CLEANED BY SHOT BLASTING OR OTHER APPROVED CLEANING METHOD. AFTER CLEANING THEY SHALL BE COATED WITH ASPHALT BASE PAINT RESULTING IN A SMOOTH COATING, TOUGH AND TENACIOUS WHEN COLD, NOT TACKY OR BRITTLE.
- ALL CASTING SHALL BE MANUFACTURED TRUE TO PATTERN. COMPONENT PARTS SHALL FIT TOGETHER IN A SATISFACTORY MANNER.
- ALL CONCRETE TO BE 3000 PSI. CHAMFER ALL EXPOSED EDGES 3/4". ALL DIMENSIONS RELATIVE TO REINFORCING STEEL ARE TO CENTER OF BARS.
- MINIMUM CONCRETE COVER SHALL BE 1 1/2" FOR STEEL REINFORCING.
- EXPANSION MATERIAL TO BE 1/2" BITUMINOUS FIBER AND PLACED WHERE PROPOSED CONCRETE COMES IN CONTACT WITH ANY EXISTING OR PROPOSED CONCRETE OR MASONRY STRUCTURE.
- STRUCTURAL STEEL SHALL BE SHOP PAINTED IN ACCORDANCE WITH TxDOT ITEM 446 "PAINT AND PAINTING"
- SURFACE OF ALL EXPOSED CONCRETE SHALL CONFORM IN SLOPE AND GRADE TO EXISTING OR PROPOSED CURB AND WALK ADJACENT TO INLETS.
- GRATES WILL BE DEPRESSED 1" BELOW PROPOSED OR EXISTING GRADE.
- ALL REINFORCING BARS TO BE #4 BARS AT 6" O.C. GRADE 60. BEND BARS AROUND PIPE OPENINGS.
- INLETS TO BE DESIGNATED IN PLANS BY NUMBER OF GRATES REQUIRED.
- LOCATION OF SEWER PIPES SHOWN ELSEWHERE IN PLANS.
- TWO 1/2"x4" LONG CONCRETE ANCHOR STUDS REQUIRED FOR EACH SIDE OF FRAME, WHERE RESTING ON CONCRETE, USE NELSON STUDS OR EQUAL.
- THE GRATES OF ALL INLETS WITHIN THE STREET PAVEMENT MUST BE CONSTRUCTED WITH THE GRATE BARS PERPENDICULAR TO THE CURB.

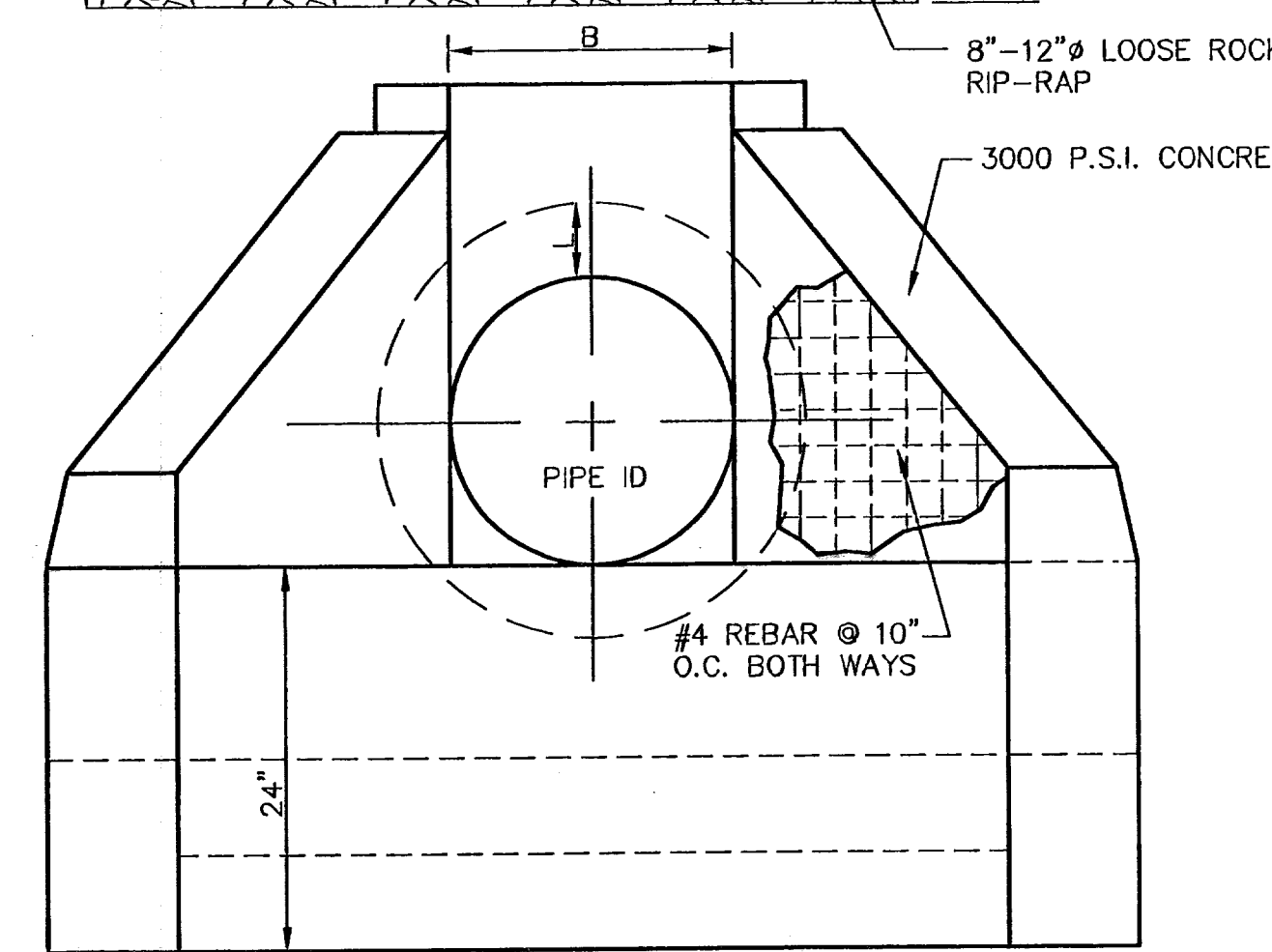
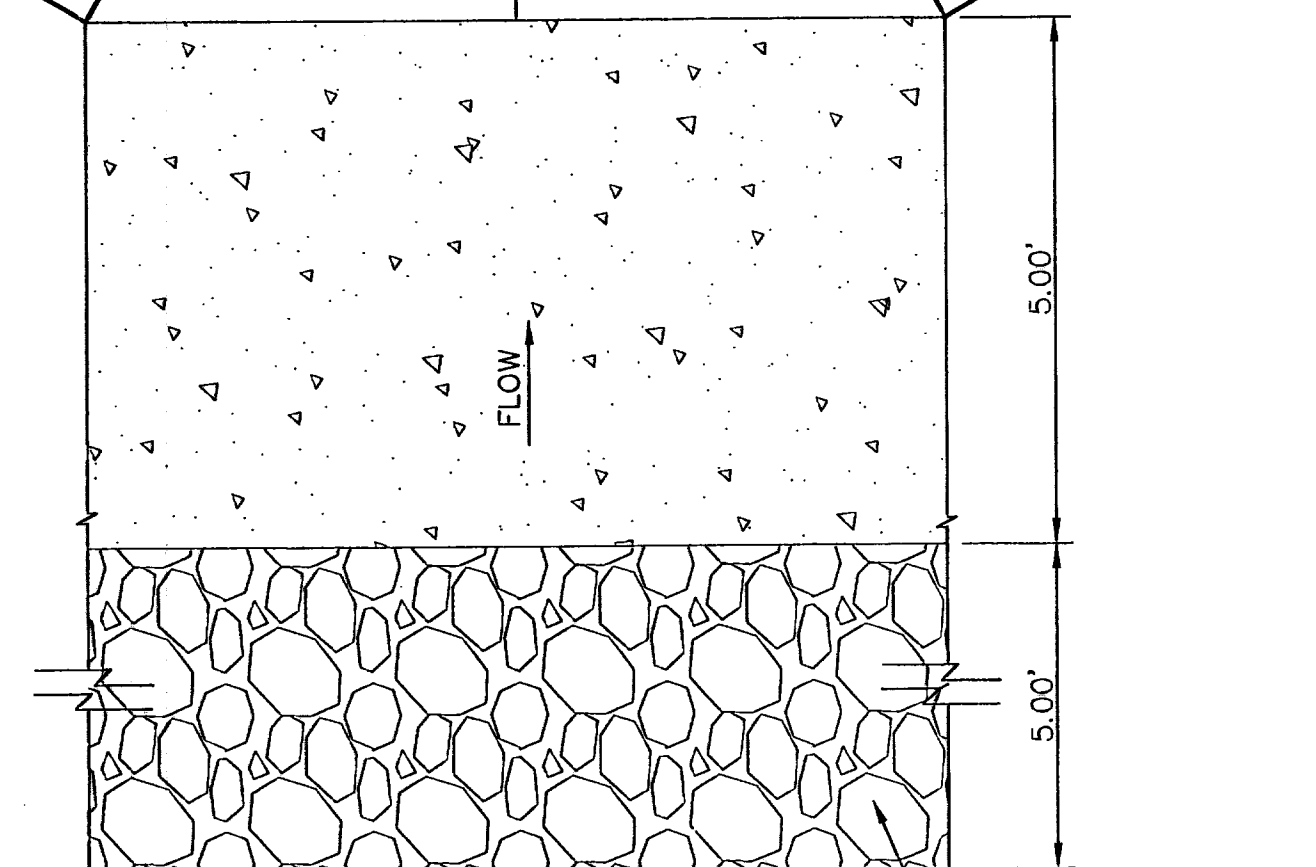
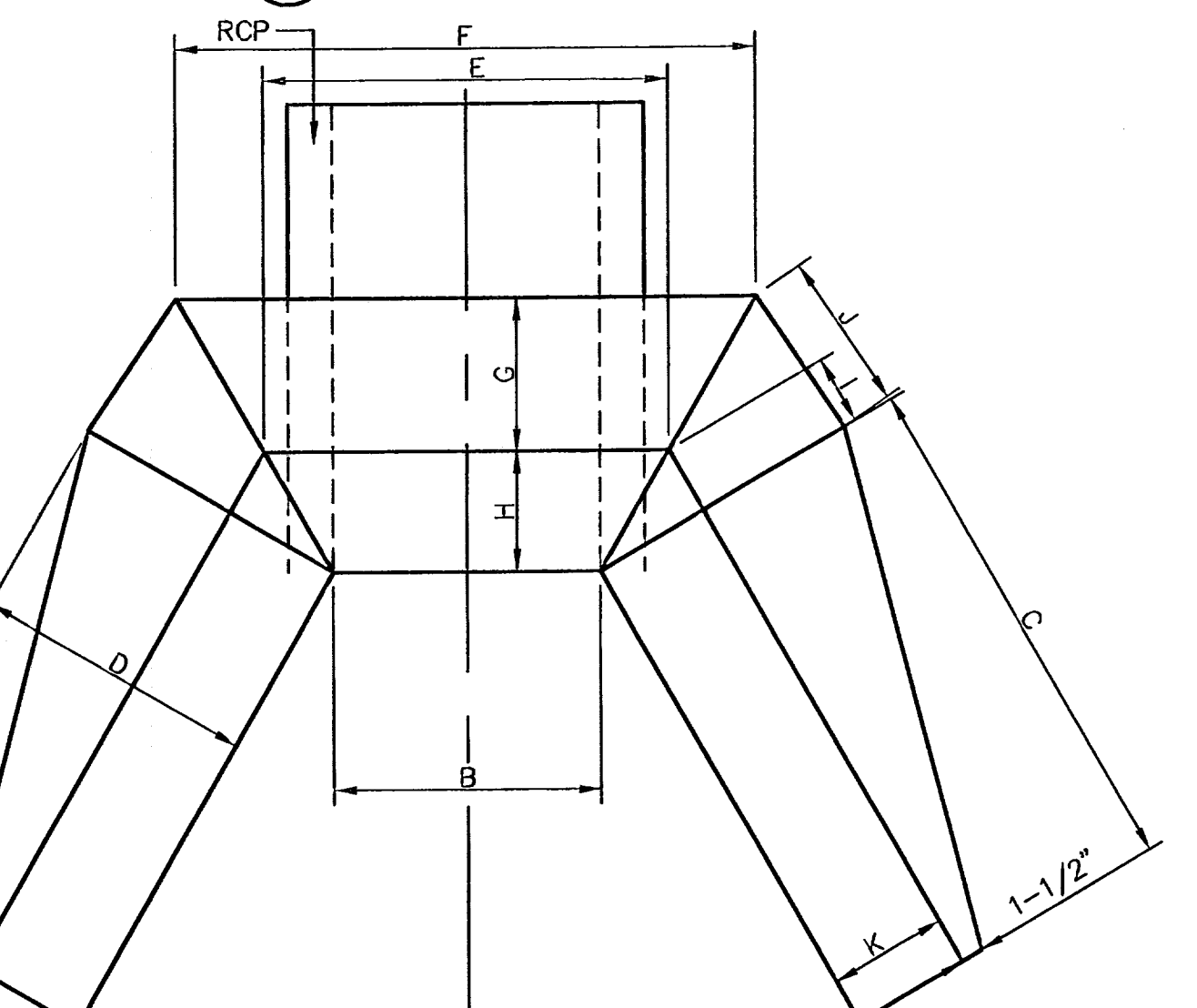


REFERENCES - BENCHMARKS  
 CITY MONUMENT AT POINT OF CURVE  
 CENTERLINE RICH BEEM BLVD., 5084331' E  
 A DISTANCE OF 467.58 FEET FROM THE  
 SOUTHERLY RIGHT OF WAY LINE OF  
 MONTANA AVENUE CITY DATUM  
 ELEVATION.....4005.40  
 DATE \_\_\_\_\_ REVISIONS \_\_\_\_\_ BY \_\_\_\_\_

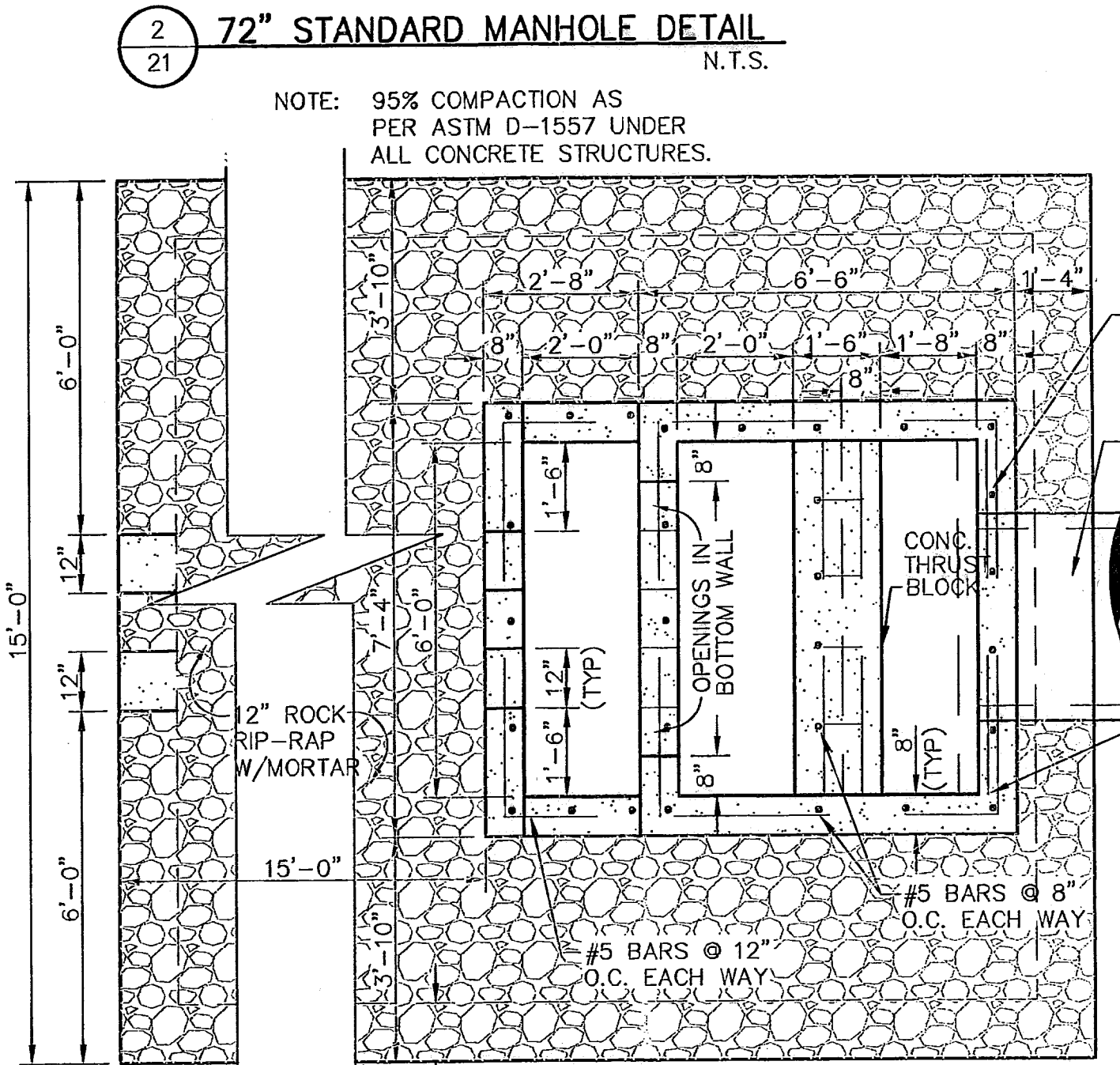


D	L	T
12"	12"	4"
18"	12"	5"
24"	12"	6"
30"	18"	8"
36"	18"	8"
48"	18"	10"
54"	18"	10"
60"	21"	11"
66"	21"	11"

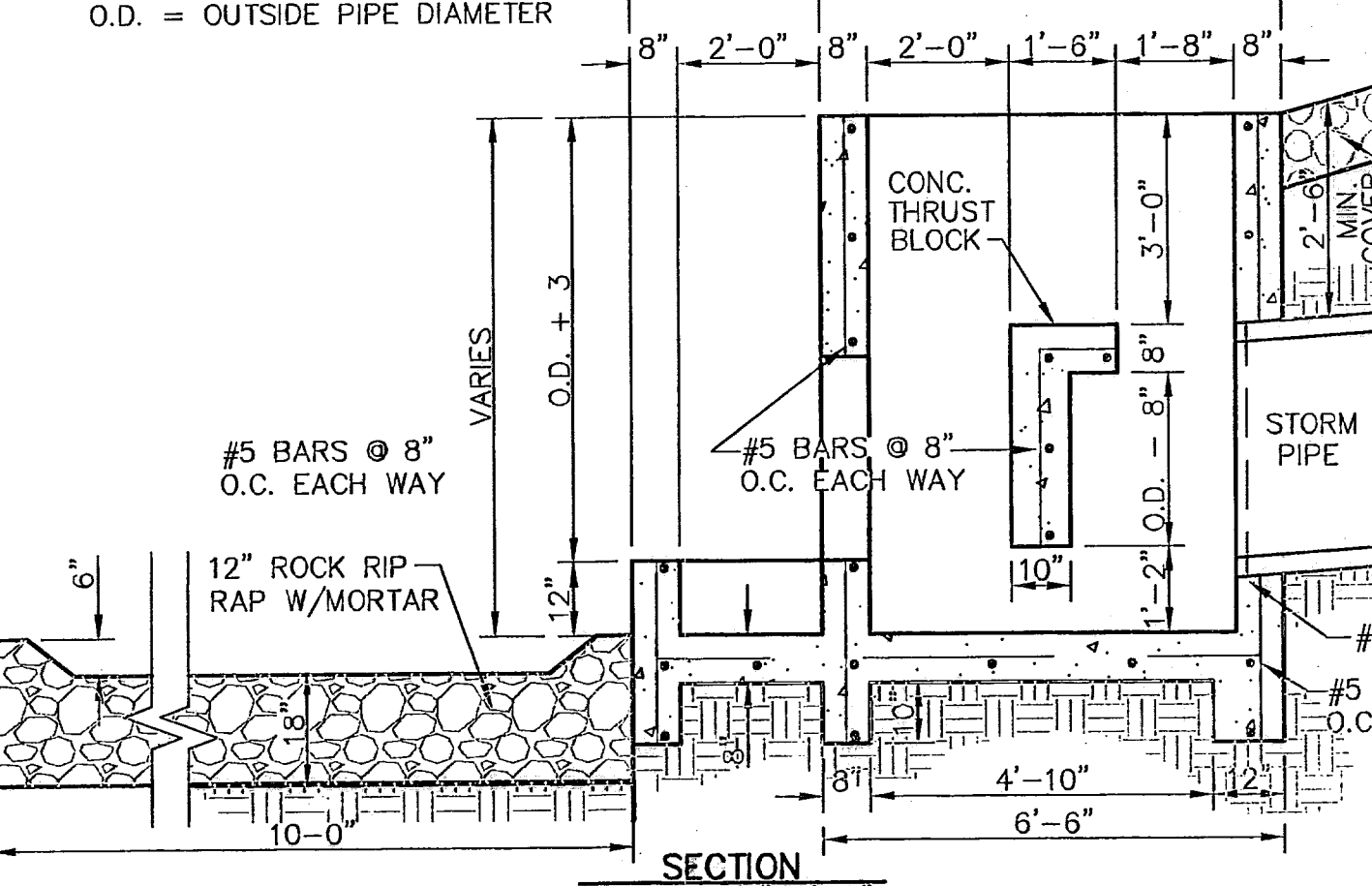
**3 CONCRETE ANCHOR COLLAR**  
 SCALE: 3/4" = 1'-0"



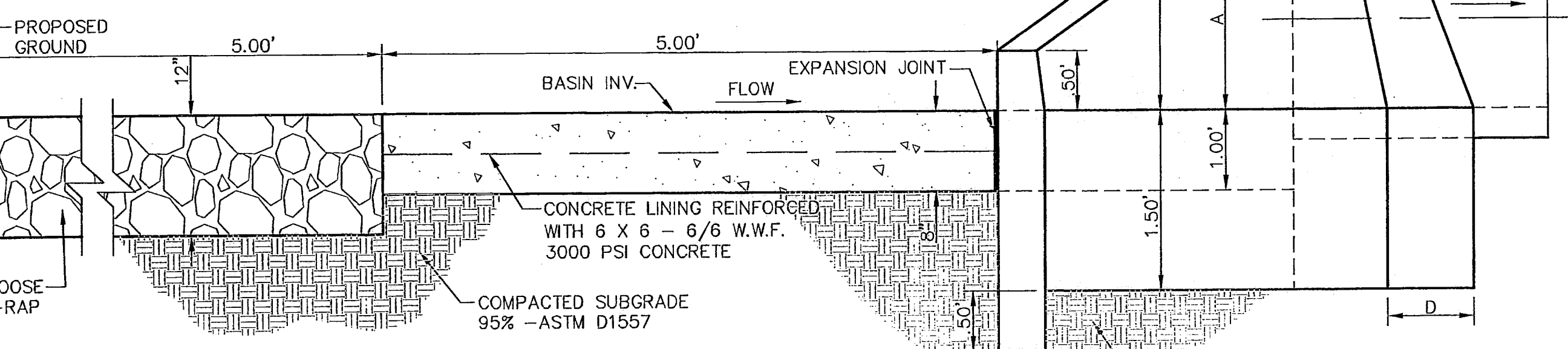
PIPE I.D.	A	B	C	D	E	F	G	H	I	J	K	L	M	N
18"	18"	30"	34"	19"	27"	40"	11"	8"	4 1/2"	10 1/2"	8"	2 1/2"	24"	3"
24"	24"	36"	41"	19"	34"	46"	11"	8"	4 1/2"	11"	8"	3"	30"	3"
30"	30"	42"	48"	20"	41"	54"	12"	8"	5"	11 1/2"	8"	3 1/2"	36"	3"
36"	36"	48"	55"	20 1/2"	48"	60"	11 1/2"	9"	5 1/2"	12"	9"	4"	42"	3 1/2"
42"	42"	54"	62"	25"	55"	72"	15"	10"	5 1/2"	13"	10"	4 1/2"	48"	3 1/2"
48"	48"	60"	69"	25"	62"	78"	15"	10"	5 1/2"	14 1/2"	10"	5"	54"	4"
54"	54"	66"	76"	25"	69"	84"	15"	10"	6"	15 1/2"	10"	5 1/2"	60"	4 1/2"



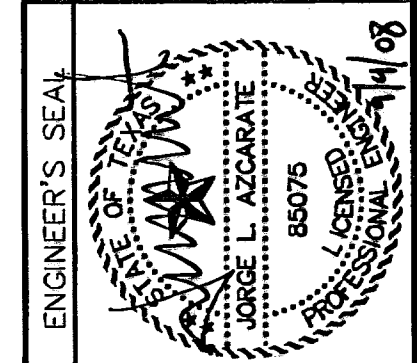
**4 STORM SEWER BEDDING DETAIL**  
 SCALE: 1/2" = 1'-0"



**5 CONCRETE THRUST BLOCK STRUCTURE DETAIL**  
 SCALE AS SHOWN



**6 CONCRETE HEADWALL**  
 SCALE: 1" = 1'



SCALE: N/A  
 Horizontal: N/A  
 Vertical: N/A  
 Contour Interval: N/A  
 DATE: AUGUST 2007  
 DESIGN BY: R.O.  
 DRAWN BY: J.M.  
 CHKD. BY: J.L.A.  
 APPD. BY: J.L.A.  
 JOB No. 2250-017-L10

PROJECT TITLE  
**TRES SUEÑOS UNIT THREE**  
**SUBDIVISION IMPROVEMENTS**

SHEET TITLE  
**DRAINAGE**  
**DETAILS**  
 (SHEET 2 OF 2)  
 SHEET NO.

**21**  
 26



**RECORD DRAWINGS**

THESE RECORD DOCUMENTS HAVE BEEN PREPARED BASED ON INFORMATION PROVIDED BY OTHERS. CCA GROUP HAS NOT VERIFIED THE ACCURACY AND/OR COMPLETENESS OF THIS INFORMATION AND SHALL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS THAT MAY BE INCORPORATED AS A RESULT OF ERRONEOUS INFORMATION PROVIDED BY OTHERS.

8/18/08

**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
STREET DEPT. - SIGNAL & SIGN	(915) 621-6750
(AFTER HOURS)	(915) 240-3220

**WARNING I BEFORE YOU DIG**

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

**LEGEND:**

- ☼ PROPOSED RESIDENTIAL STREET LIGHT
- PROPOSED 9" STREET NAMES AND 30" STOP SIGN
- ☒ PROPOSED N.D.B.C.U. MAIL BOX
- ⊕ PROPOSED 9" STREET NAME SIGN (TWO SIGNS)

REFERENCES - BENCHMARKS

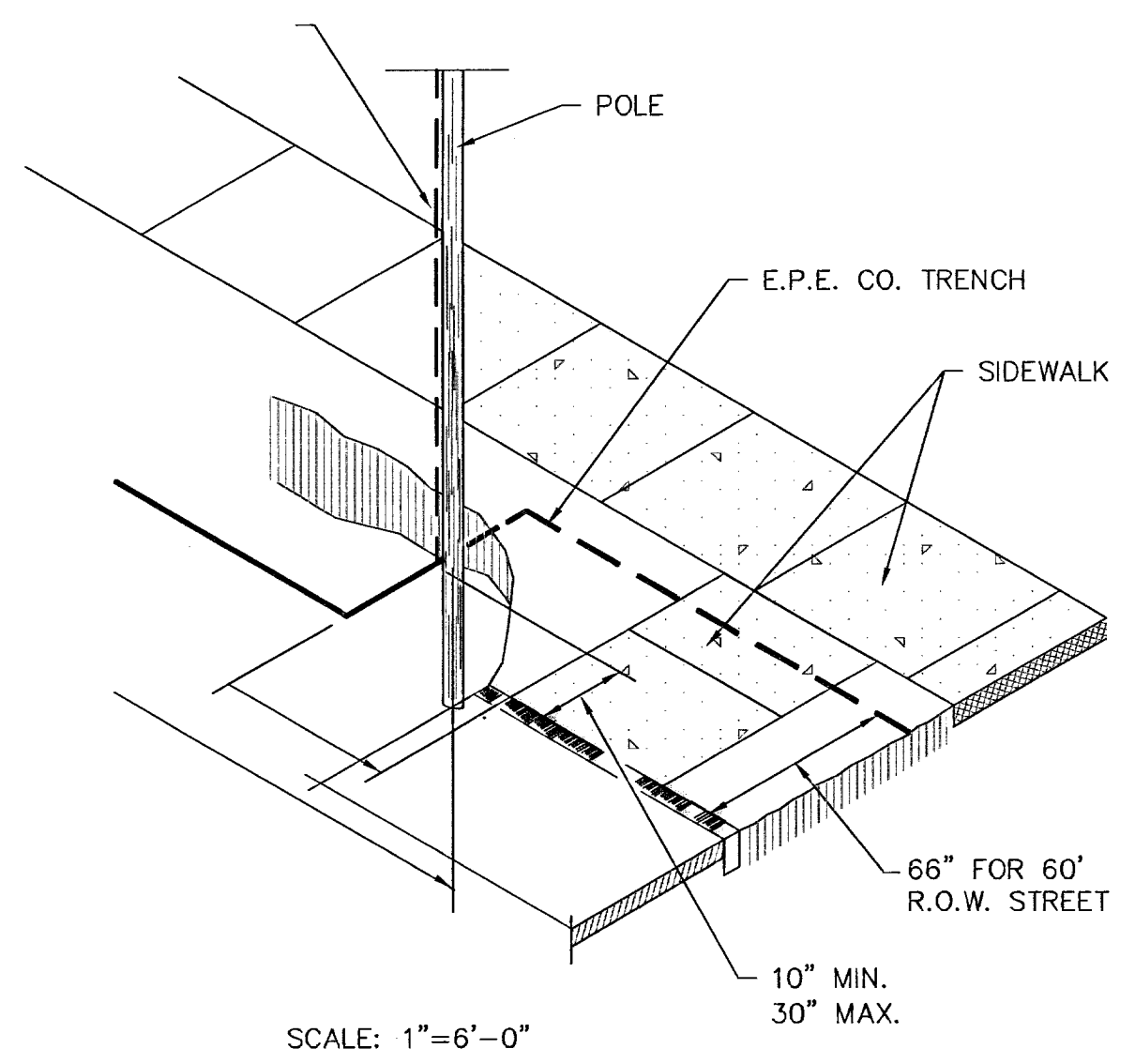
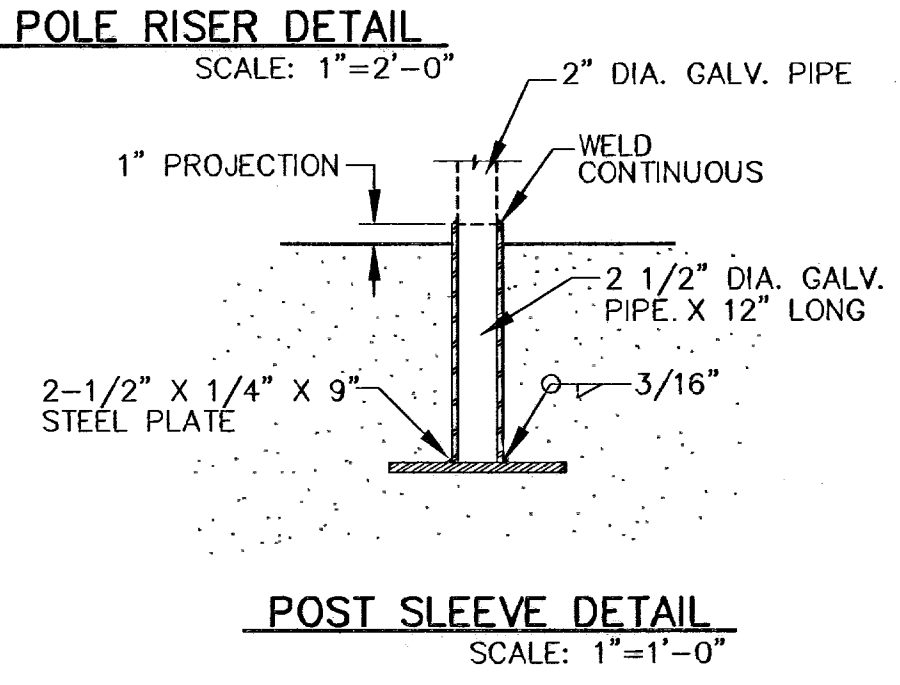
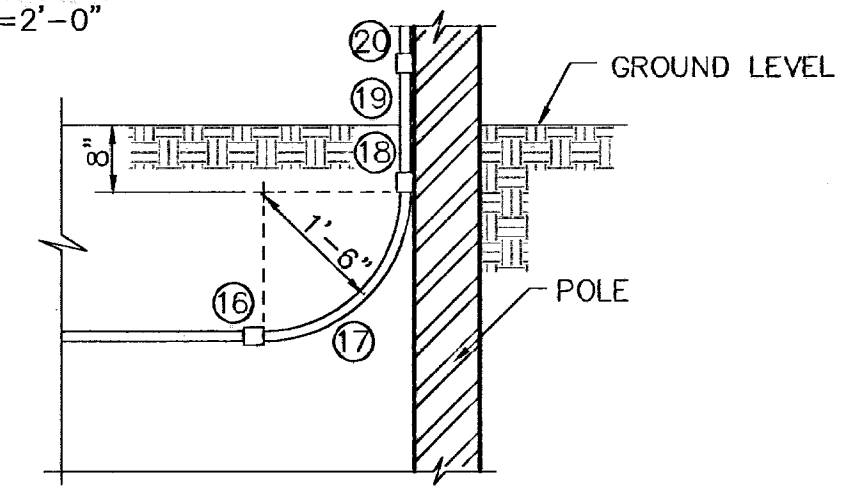
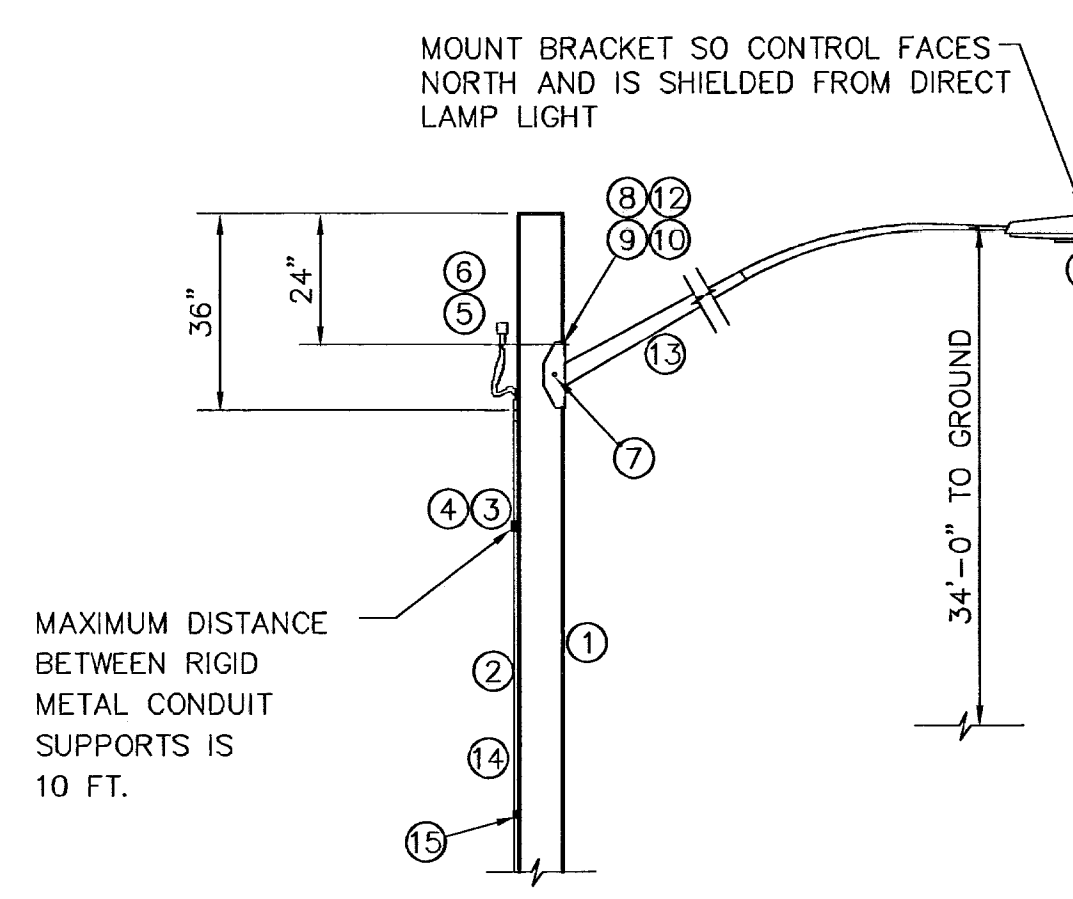
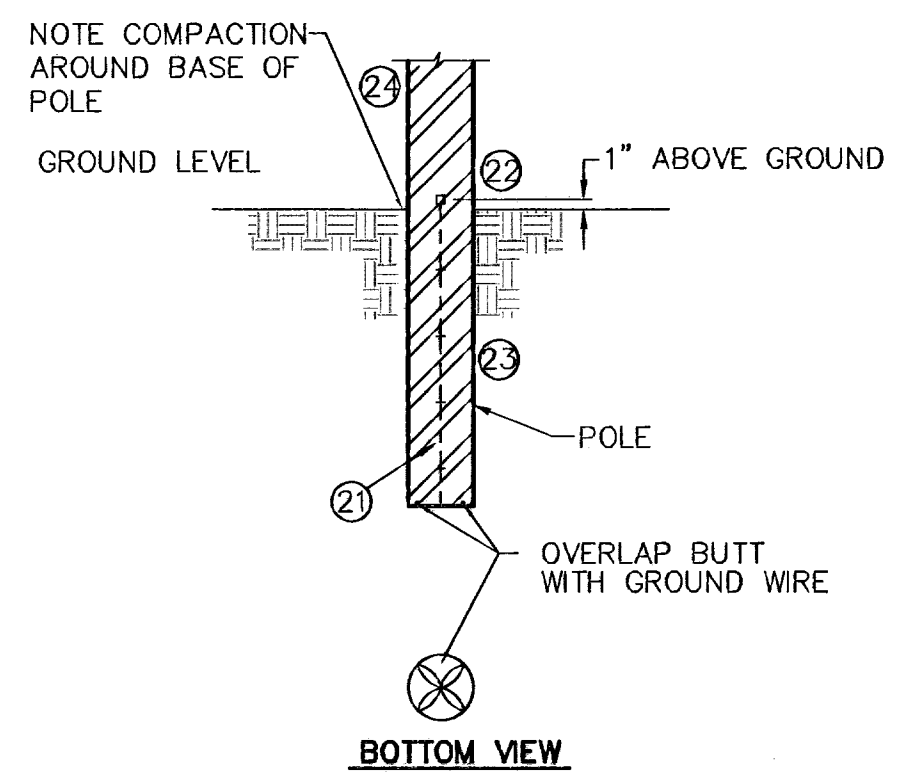
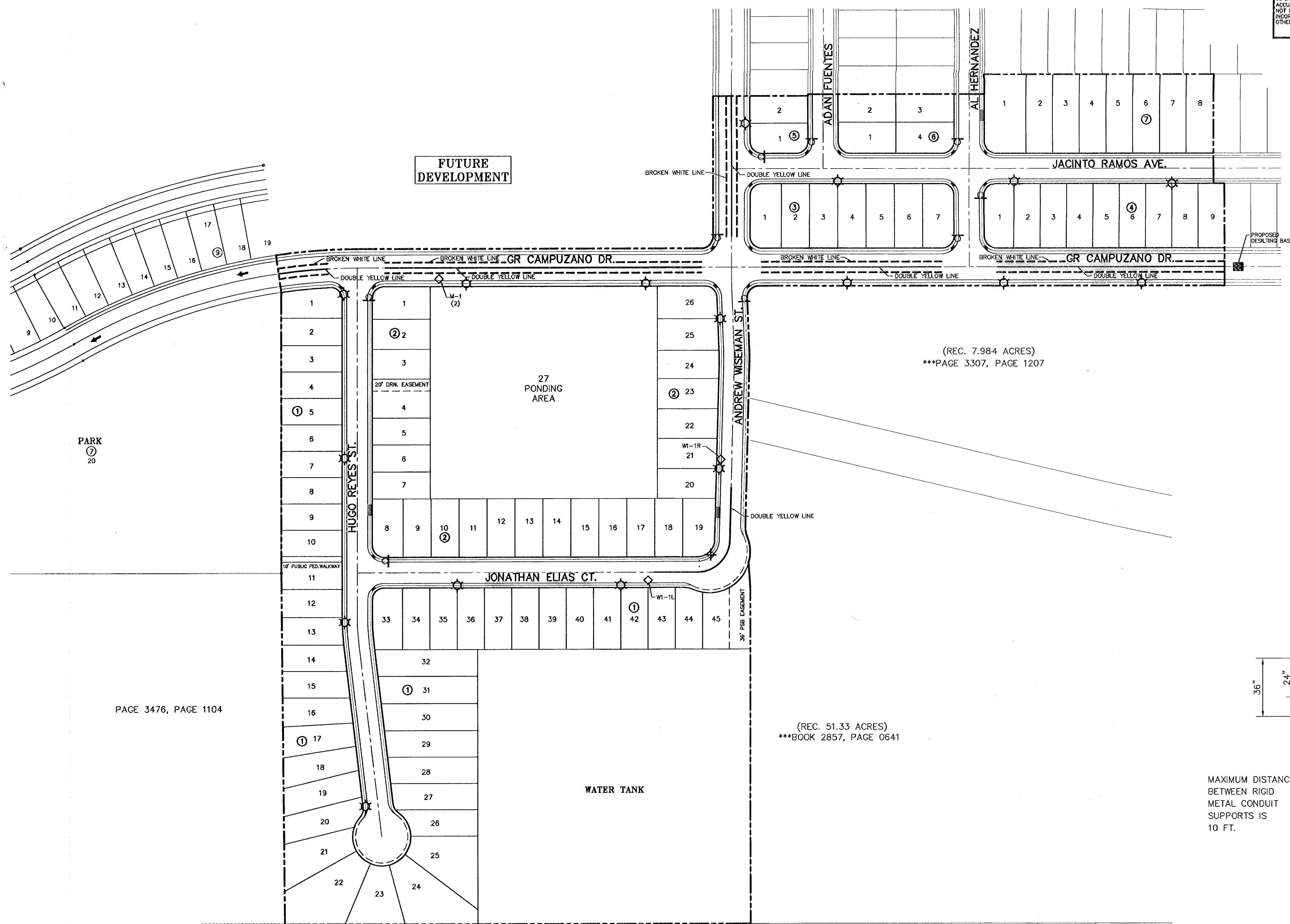
CITY MONUMENT AT POINT OF CURVE  
CENTERLINE RICH BEEM BLVD., S08 43'31" E  
A DISTANCE OF 467.58 FEET FROM THE  
SOUTHERLY RIGHT OF WAY LINE OF  
MONTANA AVENUE CITY DATUM  
ELEVATION.....4605.40

DATE	BY	REVISIONS
------	----	-----------

**CCA GROUP**

engineers • architects • planners

1204 Montana Ave., El Paso, Texas 79902  
Office 915.544.5232 Fax 915.544.5233  
www.ccagroup.net



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	PHOTOCCELL, 240V

\* MUST MEET OCCIDENTAL COATING CO. SPECS.

PAGE 3476, PAGE 1104

(REC. 51.33 ACRES)  
\*\*\*BOOK 2857, PAGE 0641

(REC. 7.984 ACRES)  
\*\*\*PAGE 3307, PAGE 1207

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

SCALE: 1"=100'

Horizontal:	N/A
Vertical:	N/A
Contour Interval:	N/A
DATE:	AUGUST 2007
DESIGN BY:	R.O.
DRAWN BY:	J.M.
CHKD. BY:	J.L.A.
APPVD. BY:	J.L.A.
JOB No.	2250-017-LD

**TRES SUEÑOS UNIT THREE  
SUBDIVISION IMPROVEMENTS**

**ILLUMINATION PLAN**

SHEET NO.  
**22**

600828



**RECORD DRAWINGS**

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8/18/08

**UTILITY LOCATOR SERVICES**

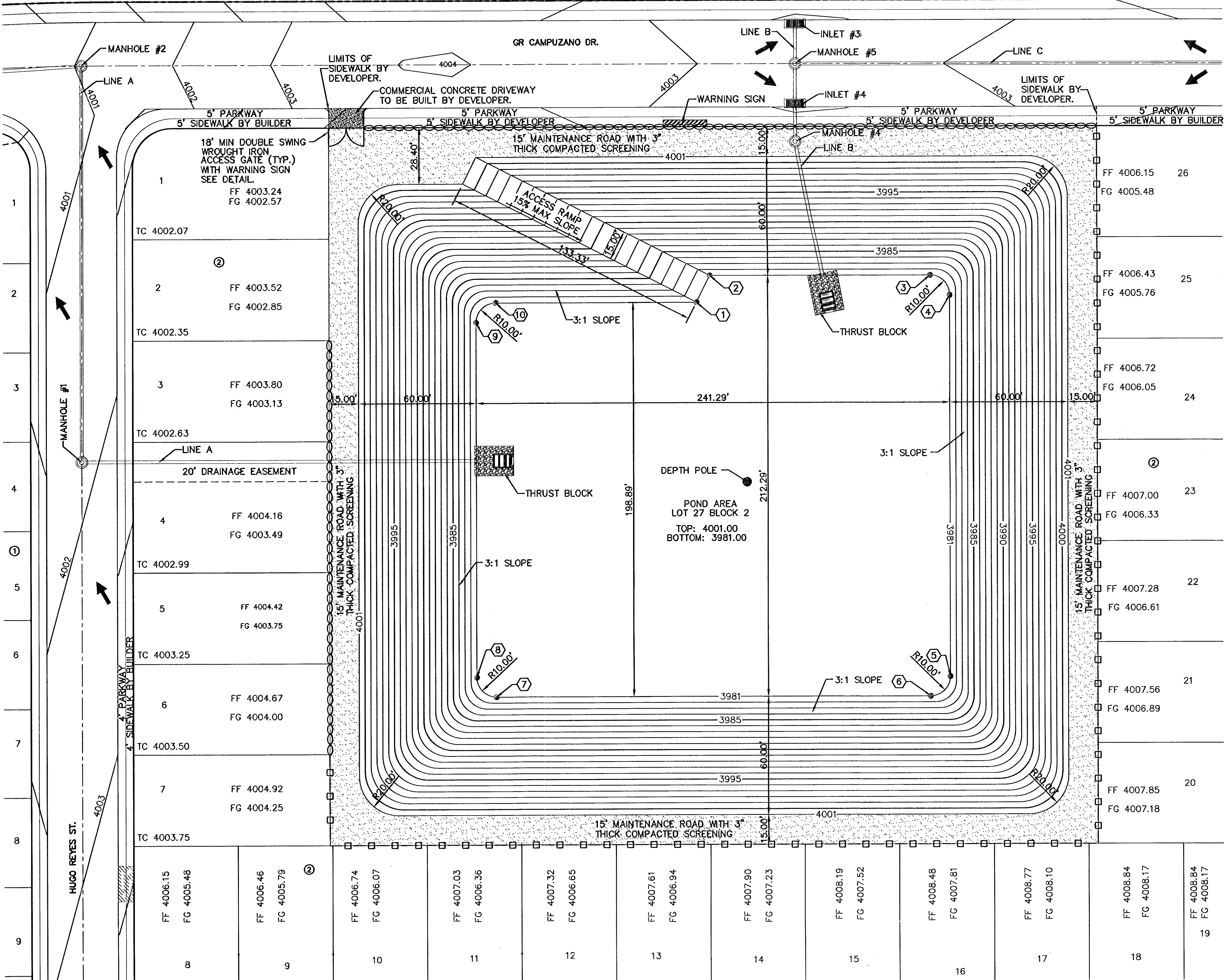
EL PASO ELECTRIC COMPANY (915) 543-5720  
 EL PASO ENERGY CORPORATION (915) 496-5244  
 EL PASO WATER UTILITIES (915) 594-5500  
 MCI SURVEILLANCE (800) MCI-WORK  
 TIME WARNER COMMUNICATIONS (915) 772-1123  
 TEXAS GAS SERVICE (915) 680-7200  
 SBC (800) 545-6005  
 AT&T (800) 852-3786  
 U.S. SPRINT TELECOMM (800) 521-0579  
 STREET DEPT. - SIGNAL & SIGN (915) 621-6750  
 (AFTER HOURS) (915) 240-3220

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

REFERENCES - BENCHMARKS

CITY MONUMENT AT POINT OF CURVE  
 CENTERLINE RICH BEEM BLVD. SOB'43'31" E  
 A DISTANCE OF 487.58 FEET FROM THE  
 SOUTHERLY RIGHT OF WAY LINE OF  
 MONTANA AVENUE CITY DATUM  
 ELEVATION: .....4005.40

DATE	REVISIONS	BY



**LEGEND:**

- ○ ○ ○ NEW 6' HIGH RETAINING ROCKWALL (2'-3' RETAINING HEIGHT)
- - □ - NEW 6' HIGH RETAINING ROCKWALL (3'-5' RETAINING HEIGHT)

**NOTE:**

1. 15' WIDE POND ACCESS RAMP SHALL HAVE A MINIMUM P.I. OF 8 WITH NO LOOSE MATERIAL AND A MINIMUM 90% COMPACTION PER ASTM-D1557.

**LEGEND:**

- ▨ 3" THICK COMPACTED SCREENING

KEY #	NORTH	EAST
①	N 61624.74	E 52066.67
②	N 61638.13	E 52073.42
③	N 61638.13	E 52185.64
④	N 61628.13	E 52195.64
⑤	N 61435.83	E 52195.63
⑥	N 61425.83	E 52185.62
⑦	N 61425.86	E 51964.34
⑧	N 61435.86	E 51954.34
⑨	N 61614.74	E 51954.35
⑩	N 61624.74	E 51964.35

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 www.icagroup.net

ENGINEER'S SEAL  
  
 RUBEN CHAVEZ  
 87316

SCALE: 1" = 30'  
 Horizontal: N/A  
 Vertical: N/A  
 Contour Interval: N/A  
 DATE: AUGUST 2007  
 DESIGN BY: R.O.  
 DRAWN BY: J.M.  
 CHECKED BY: J.L.A.  
 APP'D. BY: J.L.A.  
 JOB No. 2250-017-LD

PROJECT TITLE  
**TRES SUEÑOS UNIT THREE  
 SUBDIVISION IMPROVEMENTS**

SHEET TITLE

**POND DESIGN PLAN**

SHEET NO.

**23**

OF 26

**POND DESIGN PLAN**  
 SCALE: 1" = 30'

600828



**SITE DESCRIPTION**

PROJECT NAME AND LIMITS: TRES SUEÑOS UNIT THREE  
TRES SUEÑOS UNIT ONE AND DESERT OASIS MOBILE HOME PARK TRACT 11-A TO THE WEST,  
A PORTION OF SECTION 27, BLOCK 79, TO THE NORTH, TRACT 11-D AND MONTANA AVENUE TO  
THE SOUTH, AND A PORTION OF SECTION 27 BLOCK 79 TO THE EAST.

PROJECT DESCRIPTION: THE SITE FOR THE NEW SUBDIVISION WILL ENCOMPASS APPROXIMATELY  
28.048 ACRES, AND WILL CONTAIN 101 RESIDENTIAL LOTS AND 1 ONSITE PONDING AREA.

EXISTING CONDITIONS: THE SITE IS CLEAR OF SITE IMPROVEMENTS AND IS COVERED WITH ITS  
NATURAL SURROUNDINGS.

MAJOR SOIL DISTURBING ACTIVITIES: MAJOR SOIL DISTURBING ACTIVITIES WILL CONSIST OF CLEARING  
AND GRUBBING, GRADING FOR BUILDING PAD ELEVATIONS, CONSTRUCTION OF STREETS,  
EXCAVATION FOR UTILITIES, AND CONSTRUCTION STORM SEWER SYSTEM.

TOTAL PROJECT AREA: 28.048± A.C.

TOTAL AREA TO BE DISTURBED: 28.048± A.C.

WEIGHTED RUNOFF COEFFICIENT  
 (AFTER CONSTRUCTION): 0.769

EXISTING CONDITION OF SOIL AND VEGETATIVE COVER AND % OF EXISTING VEGETATIVE COVER: THE PROJECT SITE IS LOCATED IN THE VICINITY OF THE  
HUECO-WINK ASSOCIATION: NEARLY LEVEL AND GENTLY SLOPING SOILS THAT HAVE A FINE  
SANDY LOAM SUBSOIL AND ARE MODERATELY DEEP OVER CALICHE, IN THE HUECO BOLSON

NAME OF RECEIVING WATERS: STORM RUNOFF FROM THE NEW SUBDIVISION WILL BE DISCHARGED INTO A  
STORM SEWER SYSTEM TO ULTIMATELY BE DISCHARGED INTO A PROPOSED RETENTION BASIN.

**EROSION AND SEDIMENT CONTROL**

SOIL STABILIZATION PRACTICES

- TEMPORARY SEEDING
- PERMANENT PLANTING, SODDING, OR SEEDING
- MULCHING
- SOIL RETENTION BLANKET
- BUFFER ZONES
- PRESERVATION OF NATURAL RESOURCES

OTHER: \_\_\_\_\_

STRUCTURAL PRACTICES:

- SILT FENCES
- HAY BALES
- ROCK BERMS
- DIVERSION, INTERCEPTOR, OR PERIMETER DIKES
- DIVERSION, INTERCEPTOR, OR PERIMETER SWALES
- DIVERSION DIKE AND SWALE COMBINATION
- PIPE SLOPE DRAINS
- CONCRETE FLUMES
- ROCK BEDDING AT CONSTRUCTION EXIT
- TIMBER MATTING AT CONSTRUCTION EXIT
- CHANNEL LINERS
- SEDIMENT TRAPS
- SEDIMENT BASINS
- STORM INLET SEDIMENT TRAP
- STONE OUTLET STRUCTURES
- CURBS AND GUTTERS
- STORM DRAINS
- VELOCITY CONTROL DEVICES
- VEGETATED SWALES & NATURAL DEPRESSIONS

OTHER: \_\_\_\_\_

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

1. INSTALL TEMPORARY EROSION AND SEDIMENT CONTROLS (e.g. SILT FENCE AND/OR EARTHEN BERM, AND STABILIZED CONSTRUCTION ENTRANCE);
2. PERFORM CLEARING AND GRUBBING;
3. EXCAVATION FOR UTILITIES;
4. COMPLETE STREET AND LOT GRADING;
5. CONSTRUCTION OF SUBDIVISION IMPROVEMENTS; AND,
6. WHEN ALL CONSTRUCTION ACTIVITY RELATED IN DEVELOPMENT OF THE SITE IS COMPLETE, REMOVE TEMPORARY CONTROLS IN 1. ABOVE.

**SWPPP GENERAL NOTES:**

1. PLACEMENT OF SILT FENCE SHALL BE ADJUSTED AS NECESSARY TO PREVENT THE BLOCKING OF DRIVEWAYS OR DRIVING LANES.
2. THE SWPPP MANUAL IDENTIFIES THE DUTIES AND RESPONSIBILITIES OF THE GENERAL CONTRACTOR IN COMPLIANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS. THIS ITEM SHALL BE SUBSIDIARY TO THE SWPPP BEST MANAGEMENT PRACTICES (COMPLETE IN PLACE) ITEMS. THE SWPPP PROJECT MANUAL IS AVAILABLE FOR REVIEWING AT THE CITY OF EL PASO - ENGINEERING DEPARTMENT. UPON SELECTION, THE CONTRACTOR WILL BE PROVIDED AN SWPPP MANUAL. THE CONTRACTOR SHALL MAINTAIN THIS MANUAL AT THE CONSTRUCTION SITE AT ALL TIMES THROUGHOUT THE CONSTRUCTION PERIOD.
3. THE CONTRACTOR SHALL COMPLETE AND SUBMIT ALL REGULATORY FORMS AND APPLICATIONS, AS PROVIDED IN THE SWPPP MANUAL, INCLUDING, BUT NOT LIMITED TO; NOI, NOT, SDPCP, AND ANY OTHER FORM REQUIRED BY THE CITY OF EL PASO AND TCEQ.
4. ALLOWABLE STORM WATER AND NON-STORMWATER DISCHARGE SHALL COMPLY WITH 15.20.080 (GENERAL PROHIBITION) AND 15.20.090 (SPECIFIC PROHIBITIONS AND REQUIREMENTS) OF THE CITY OF EL PASO STORM DRAIN POLLUTION CONTROL PLAN ORDINANCE. NON-STORMWATER DISCHARGES MAY CONSIST OF, BUT ARE NOT LIMITED TO, THE DISCHARGE RESULTING FROM FIREFIGHTING, LAWN WATERING, LANDSCAPE IRRIGATION, NATURAL SPRING, AND/OR AGRICULTURAL STORM WATER RUNOFF.
5. REFER TO DRAINAGE PLAN SHEET 5, FOR ADDITIONAL INFORMATION ON WATERSHED AREAS AND RUNOFF QUANTITIES (Q).
6. THE FOLLOWING HAVE BEEN IDENTIFIED AS POTENTIAL CONTAMINATION SOURCES: CLEARED AND GRADED AREAS; CONSTRUCTION SITE ENTRANCE AND ASPHALT PARKING AREA CONSTRUCTION; ASPHALT LOADING/UNLOADING AREAS; CONCRETE LOADING/UNLOADING AREAS; AND, ALL UNDISTURBED AREAS.
7. THE FOLLOWING IS A LIST OF POTENTIAL CONSTRUCTION SITE STORM WATER POLLUTANTS: ASPHALT; CONCRETE; GLUE/ADHESIVE; PAINTS; CURING COMPOUNDS; WASTEWATER FROM CONSTRUCTION EQUIPMENT WASHING; HYDRAULIC OIL/FLUIDS; GASOLINE; DIESEL FUEL; KEROSENE; ANTIFREEZE/COOLANT; AND EROSION.

**BEST MANAGEMENT PRACTICES CONTROLS**

I. WASTE MATERIALS:

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

II. HAZARDOUS WASTE:

AT A MINIMUM, ANY PRODUCTS IN THE FOLLOWING CATEGORIES SHALL BE CONSIDERED HAZARDOUS: PAINT, ACIDS FOR CLEANING MASONRY SURFACES, CLEANING SOLVENTS, ASPHALT PRODUCTS, CHEMICAL ADDITIVES FOR SPILL STABILIZATION, CURING COMPOUNDS AND ADDITIVES. IN THE EVENT OF A SPILL WHICH MAY BE HAZARDOUS, THE CONTRACTOR SHALL TAKE IMMEDIATE ACTION AND CONTACT THE FIRE DEPT. AND TNRC.

III. SANITARY WASTE:

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

IV. SPILL PREVENTION:

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

V. GOOD HOUSEKEEPING:

- A. STORE ONLY ENOUGH PRODUCTS REQUIRED TO DO THE JOB
- B. NEATLY STORE MATERIALS ON-SITE IN AN ORDERLY MANNER
- C. KEEP PRODUCTS IN THEIR ORIGINAL CONTAINER
- D. DO NOT MIX SUBSTANCES WITH ONE ANOTHER, UNLESS OTHERWISE RECOMMENDED BY THE MANUFACTURER
- E. USE ENTIRE CONTENTS OF A PRODUCT BEFORE DISPOSING THE CONTAINER
- F. FOLLOW MANUFACTURER'S RECOMMENDATIONS FOR PROPER USE AND DISPOSAL

VI. HAZARDOUS PRODUCTS:

PRACTICES USED TO REDUCE RISKS:

- A. KEEP PRODUCTS IN THEIR ORIGINAL CONTAINER IF AT ALL POSSIBLE
- B. RETAIN ORIGINAL LABELS, PRODUCT INFORMATION AND MATERIAL SAFETY DATA SHEETS (MSDS)
- C. DISPOSE SURPLUS PRODUCT IN ACCORDANCE WITH MANUFACTURER'S OR LOCAL & STATE RECOMMENDED METHODS

VII. PETROLEUM PRODUCTS:

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

VIII. SPILL CONTROL PRACTICES:

- A. MANUFACTURER'S RECOMMENDED METHODS FOR SPILL CLEANUP SHALL BE CLEARLY POSTED AND SITE PERSONNEL SHALL BE MADE AWARE OF THE PROCEDURES:
- B. MATERIALS AND EQUIPMENT NECESSARY FOR CLEANUP SHALL BE KEPT IN THE MATERIAL STORAGE AREA ON-SITE:
- C. ALL SPILLS SHALL BE CLEANED UP IMMEDIATELY AFTER DISCOVERY
- D. SPILL AREA SHALL BE WELL VENTILATED AND APPROPRIATE CLOTHING WILL BE WORN:
- E. ANY SPILL SHALL BE REPORTED TO THE APPROPRIATE GOVERNMENTAL AGENCY
- F. MEASURES SHALL BE TAKEN TO PREVENT A SPILL FROM REOCCURRING

IX. MAINTENANCE AND INSPECTION PROCEDURES:

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

X. REMARKS:

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

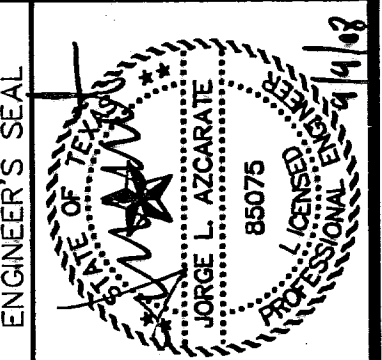
XI. OFFSITE VEHICLE TRACKING:

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

- HAUL ROADS SHALL BE DAMPENED FOR DUST CONTROL
- LOADED HAUL TRUCKS SHALL BE COVERED WITH TARPULIN
- EXCESS DIRT ON ROAD SHALL BE REMOVED IMMEDIATELY
- STABILIZED CONSTRUCTION ENTRANCE
- OTHER: \_\_\_\_\_

REFERENCES - BENCHMARKS	CITY MONUMENT AT POINT OF CURVE CENTERLINE RICH BEEM BLVD., 508+43.31' E A DISTANCE OF 467.88 FEET FROM THE SOUTHERLY RIGHT OF WAY LINE OF MONTANA AVENUE CITY OF EL PASO ELEVATION:.....4605.40
DATE	REVISIONS
BY	

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**GROUP**  
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 1204 Montana Ave., El Paso, Texas 79902  
 Office 915.544.5232 Fax 915.544.5233  
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SCALE	N/A
Horizontal	N/A
Vertical	N/A
Contour Interval	N/A
DATE	AUGUST 2007
DESIGN BY	R.O.
DRAWN BY	J.M.
CHKD. BY	J.L.A.
APPVD. BY	J.L.A.
JOB NO.	2250-17-LD

PROJECT TITLE  
**TRES SUEÑOS UNIT THREE**  
**SUBDIVISION IMPROVEMENTS**

SHEET TITLE  
**STORM DRAIN**  
**POLLUTION CONTROL**  
**PLAN:**  
**GENERAL NOTES**

SHEET NO.  
**24**

**RECORD DRAWINGS**  
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SDPCP #: \_\_\_\_\_  
 SDPCP DATE: \_\_\_\_\_



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**WARNING I BEFORE YOU DIG**

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

**LEGEND**

- SILTY FENCE OR EARTHEN BERM
- STABILIZED CONSTRUCTION ENTRANCE
- STAGING AREA
- PORTABLE TOILETS
- OUTFALL

REFERENCES - BENCHMARKS	BY
CITY MONUMENT AT POINT OF CURVE	
CENTERLINE RICH BEEM BLVD. SOUTH 31° E	
A DISTANCE OF 487.56 FEET FROM THE	
SOUTHERLY RIGHT OF WAY LINE OF	
MONTANA AVENUE CITY DATUM	
ELEVATION.....4005.40	
DATE	REVISIONS

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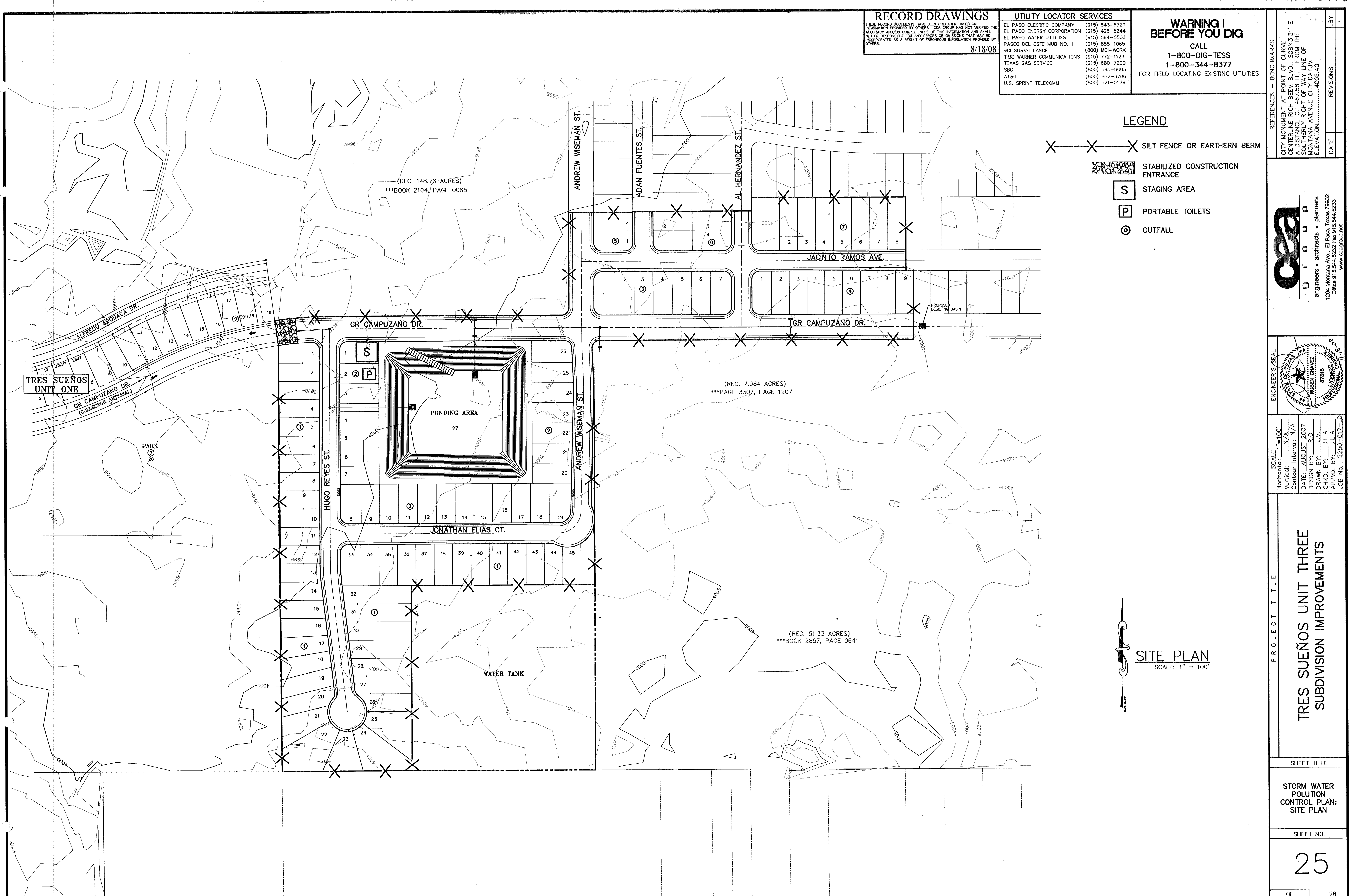
ENGINEER'S SEAL

SCALE: 1"=100'
Horizontal: N/A
Vertical: N/A
Contour Interval: N/A
DATE: AUGUST 2007
DESIGN BY: R.O.
DRAWN BY: J.L.M.
CHKD. BY: J.L.A.
APPVD. BY: J.L.A.
JOB No. 2250-017-1-D

**TRES SUEÑOS UNIT THREE  
SUBDIVISION IMPROVEMENTS**

SHEET TITLE  
STORM WATER  
POLLUTION  
CONTROL PLAN:  
SITE PLAN

SHEET NO.  
**25**  
OF 26



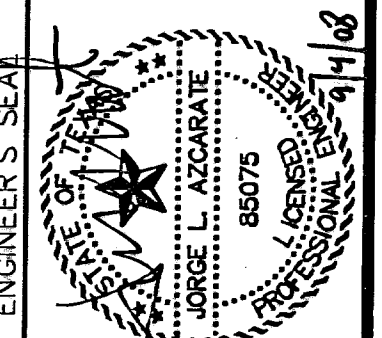
**SITE PLAN**  
SCALE: 1" = 100'



REFERENCES - BENCHMARKS

CITY MONUMENT AT POINT OF CURVE	BY
CENTERLINE RICH BEEM BLVD. SOB'43131: E	DATE
A DISTANCE OF 467.58 FEET FROM THE	REVISIONS
SOUTHERLY RIGHT OF WAY LINE OF	
MONTANA AVENUE CITY DATUM	
ELEVATION.....4005.40	

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SCALE: N/A  
 Horizontal: N/A  
 Vertical: N/A  
 Contour Interval: N/A  
 DATE: AUGUST 2007  
 DESIGN BY: R.O.  
 DRAWN BY: J.L.A.  
 CHECKED BY: J.L.A.  
 APPROVED BY: J.L.A.  
 JOB No. 2250-017-1D

PROJECT TITLE  
**TRES SUEÑOS UNIT THREE  
 SUBDIVISION IMPROVEMENTS**

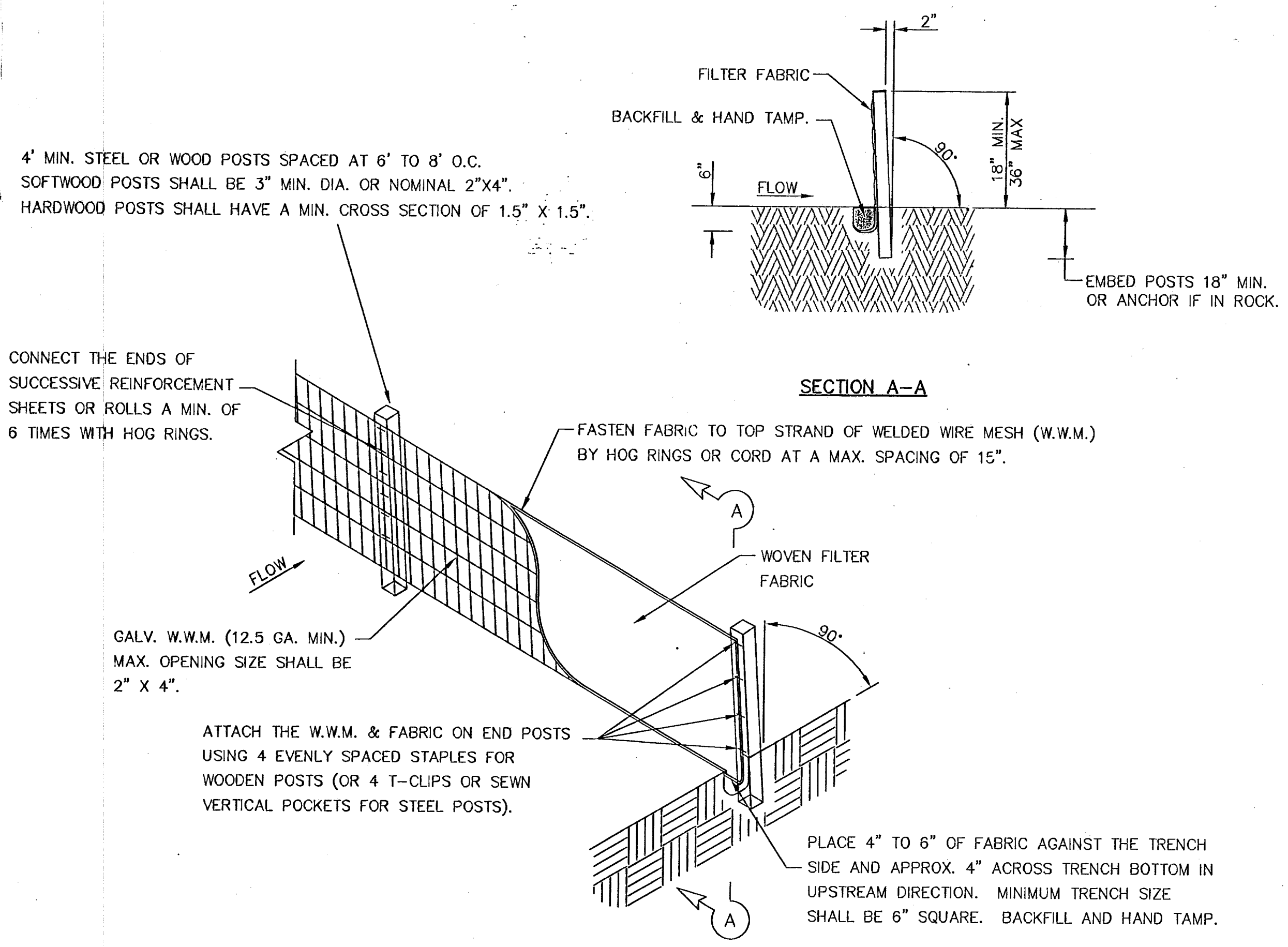
SHEET TITLE

**STORM DRAIN  
 POLLUTION CONTROL  
 PLAN:  
 DETAILS**

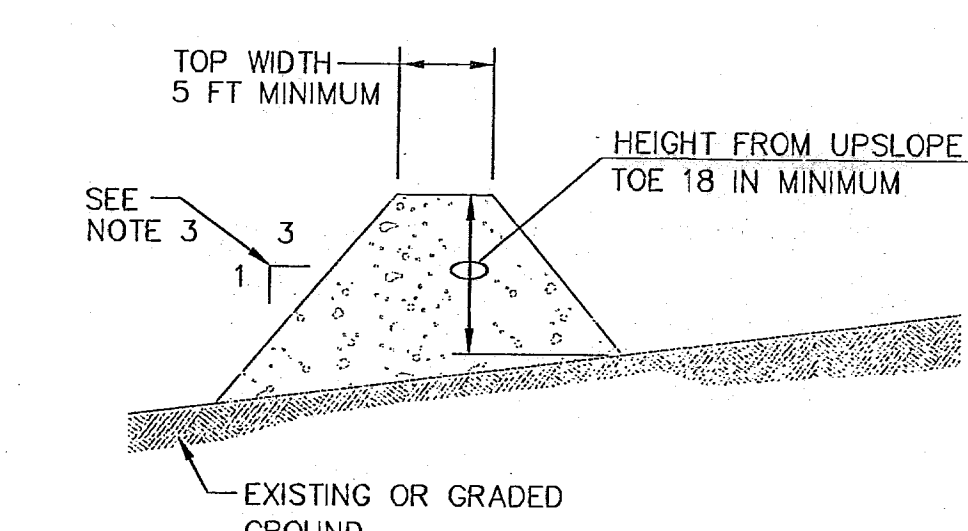
SHEET NO.

**26**

OF 26

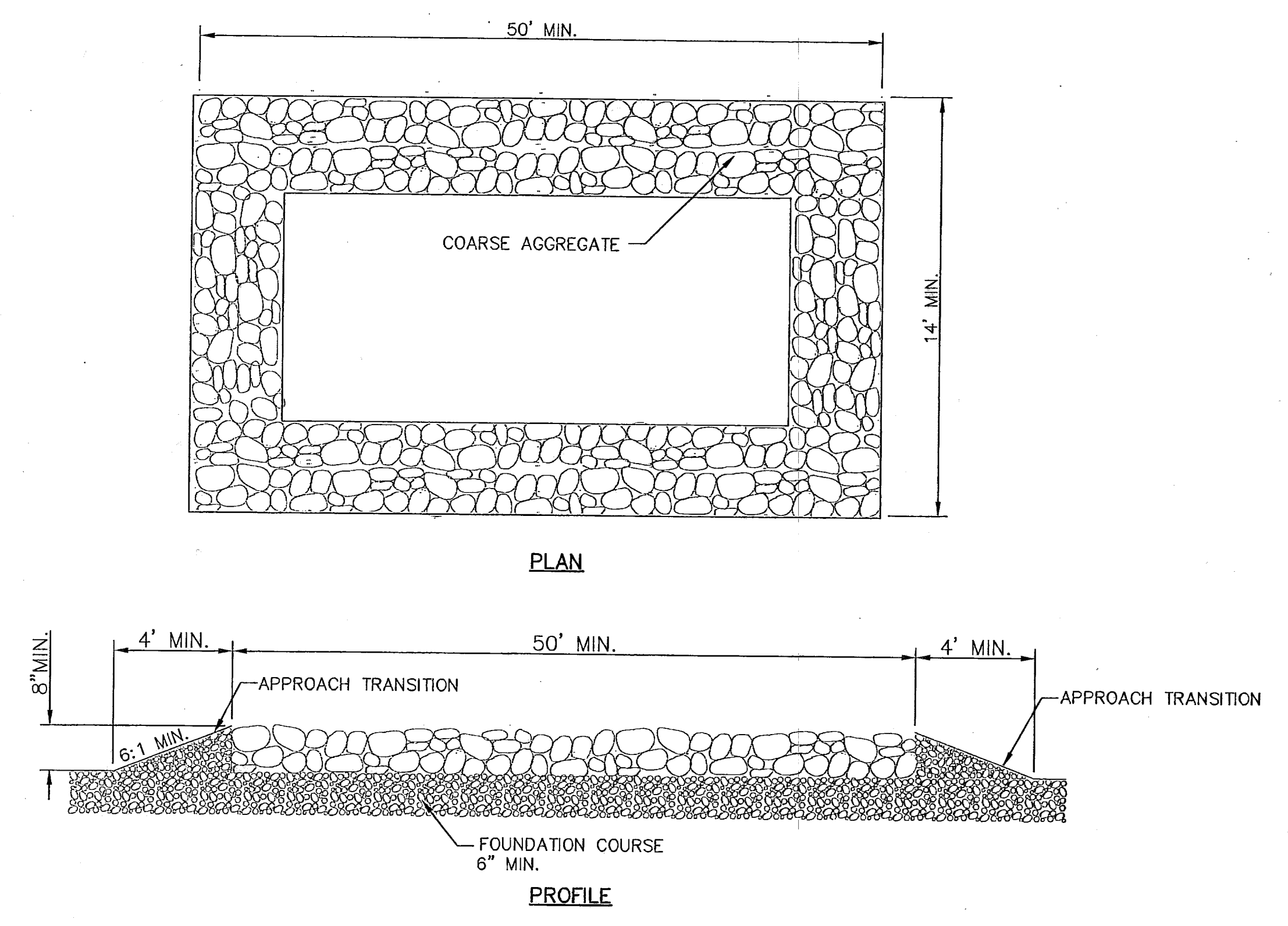


**TEMPORARY SEDIMENT CONTROL FENCE**



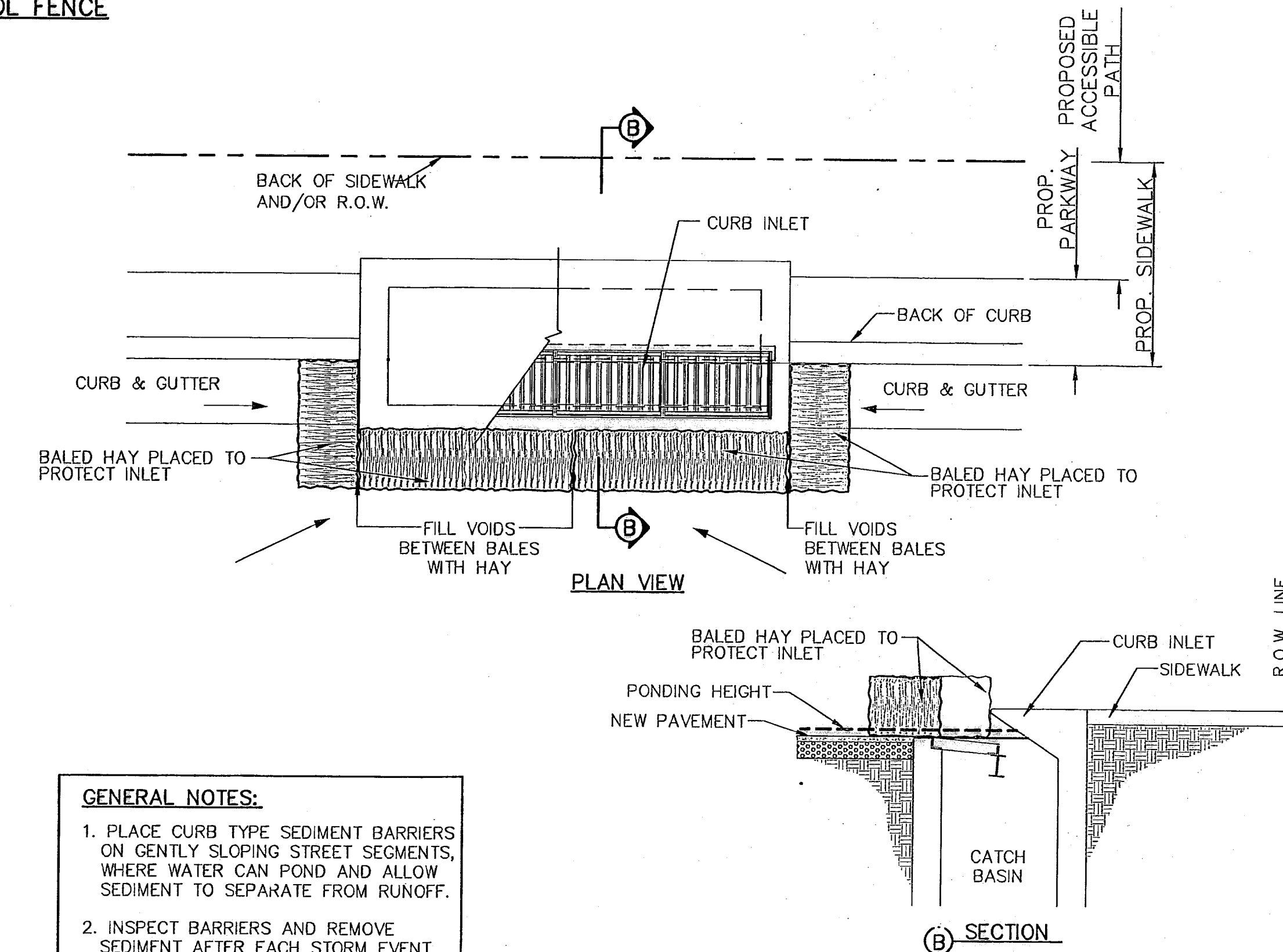
- GENERAL NOTES:**
1. SOIL USED IN BERM CONSTRUCTION SHALL BE MACHINE COMPACTED.
  2. TOP WIDTH AND HEIGHT OF BERM MAY BE MODIFIED WITH PRIOR APPROVAL OF THE ENGINEER.
  3. SIDE SLOPES WITHIN THE SAFETY CLEAR ZONE OF A ROADWAY SHALL BE 6:1 OR FLATTER.
  4. GRADING SHALL BE SHOWN ELSEWHERE IN THE PLANS OR AS DIRECTED BY THE ENGINEER.
  5. THE ENGINEER RESERVES THE RIGHT TO MODIFY THE DIMENSIONS SHOWN FOR THE BERM DEPENDENT ON RUNOFF VOLUME CHARACTERISTICS.
  6. BERM THAT ARE IN PLACE FOR MORE THAN 14 CALENDAR DAYS SHOULD BE STABILIZED TO PREVENT SEDIMENT RUNOFF.
  7. THE GUIDELINES SHOWN HEREON ARE SUGGESTIONS ONLY AND MAY BE MODIFIED BY THE ENGINEER.

**TYPICAL BERM CONFIGURATION**



- GENERAL NOTES**
1. THE LENGTH OF THE TYPE 1 CONSTRUCTION EXIT SHALL BE AS INDICATED ON THE PLANS, BUT NOT LESS THAN 50'.
  2. THE COARSE AGGREGATE SHOULD BE OPEN GRADED WITH A SIZE OF 4" TO 8".
  3. THE APPROACH TRANSITIONS SHOULD BE NO STEEPER THAN 6:1 AND CONSTRUCTED AS DIRECTED BY THE ENGINEER.
  4. THE CONSTRUCTION EXIT FOUNDATION COURSE SHALL BE FLEXIBLE BASE, BITUMINOUS CONCRETE, PORTLAND CEMENT CONCRETE OR OTHER MATERIAL AS APPROVED BY THE ENGINEER.
  5. THE CONSTRUCTION EXIT SHALL BE GRADED TO ALLOW DRAINAGE TO A SEDIMENT TRAPPING DEVICE.
  6. THE GUIDELINES SHOWN HEREON ARE SUGGESTIONS ONLY AND MAY BE MODIFIED BY THE ENGINEER.

**CONSTRUCTION EXIT (TYPE 1)**



- GENERAL NOTES:**
1. PLACE CURB TYPE SEDIMENT BARRIERS ON GENTLY SLOPING STREET SEGMENTS, WHERE WATER CAN POND AND ALLOW SEDIMENT TO SEPARATE FROM RUNOFF.
  2. INSPECT BARRIERS AND REMOVE SEDIMENT AFTER EACH STORM EVENT. SEDIMENT AND GRAVEL MUST BE REMOVED FROM THE TRAVELED WAY IMMEDIATELY.

**TEMPORARY INLET PROTECTION**