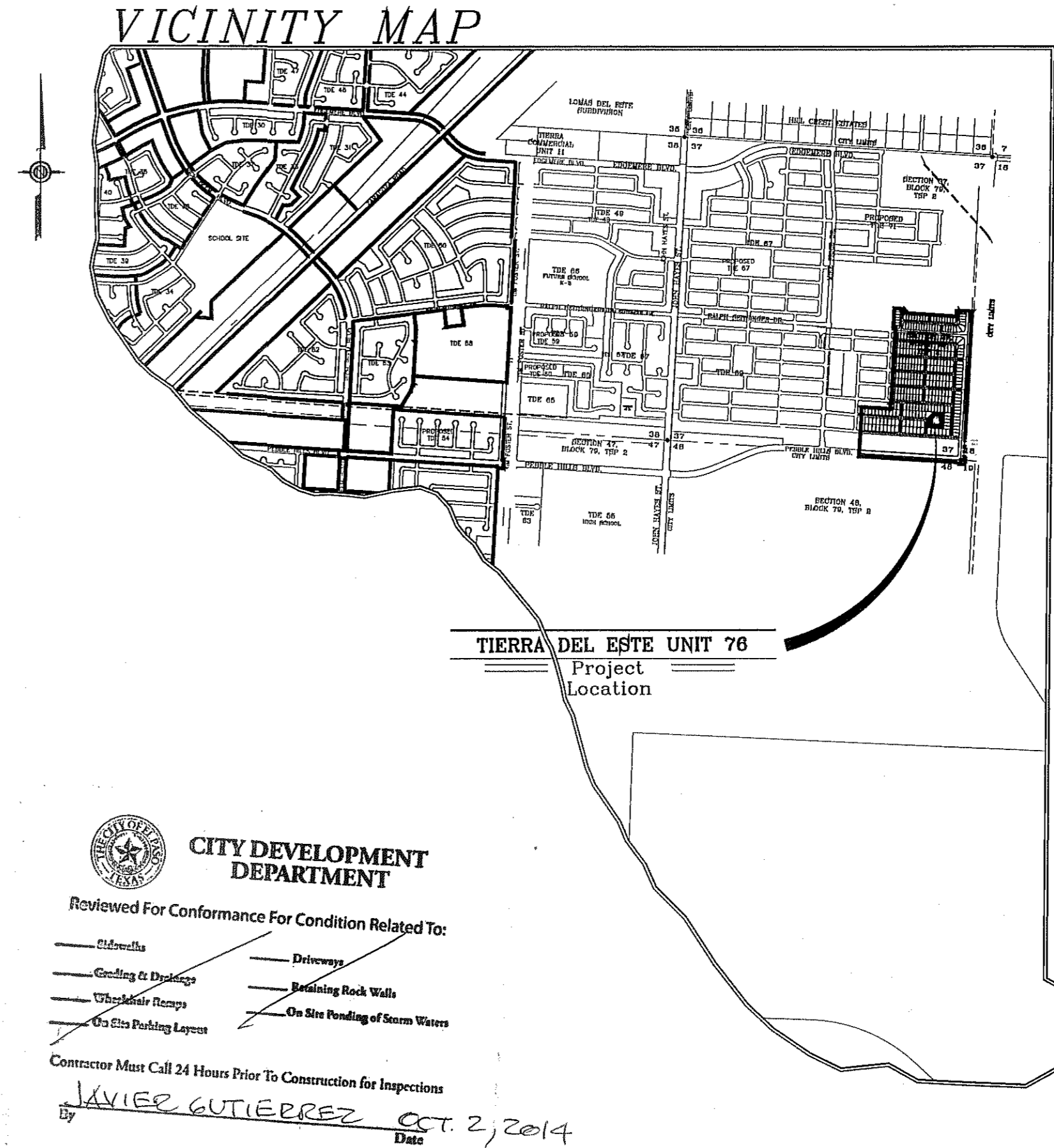
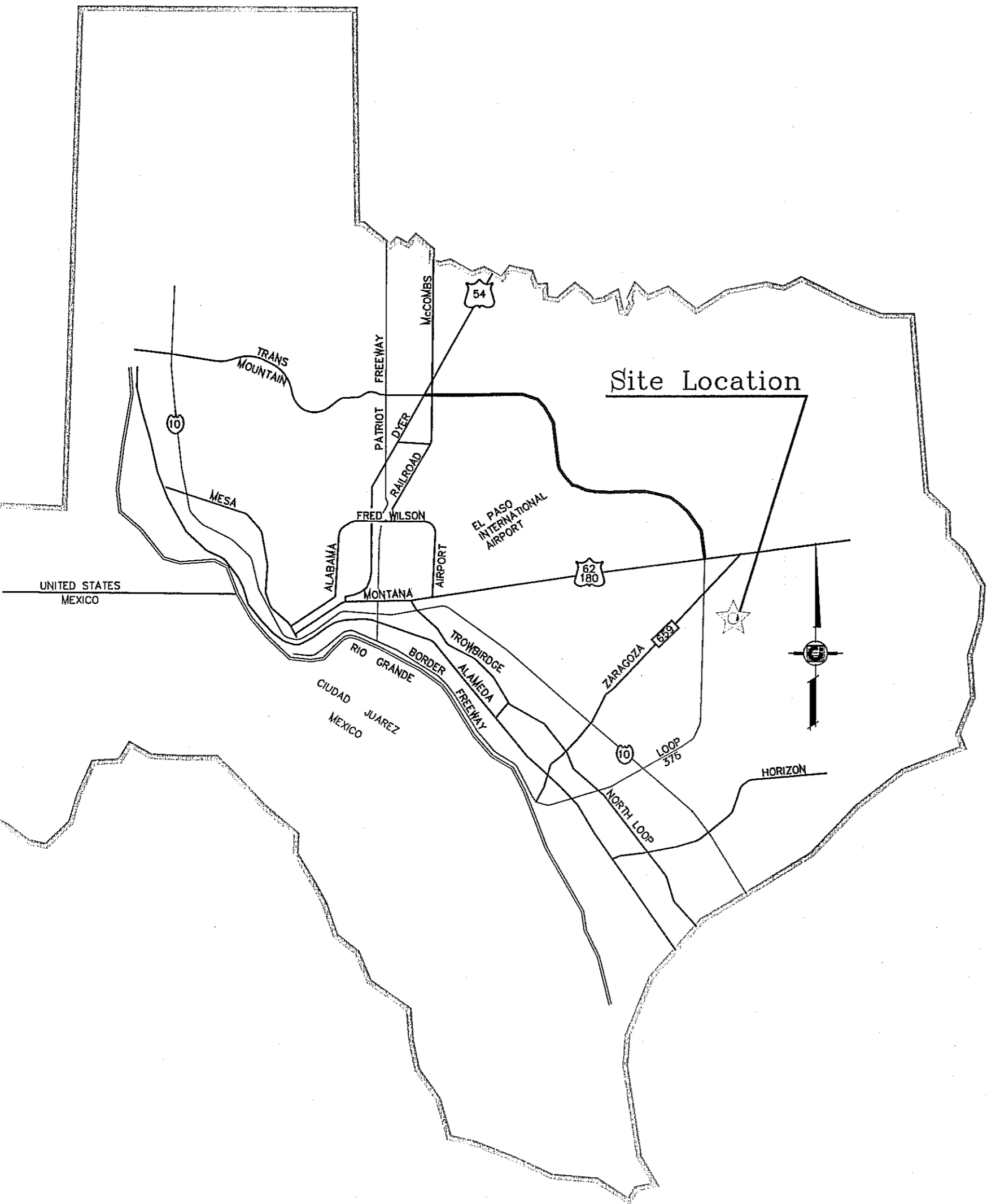


El Paso

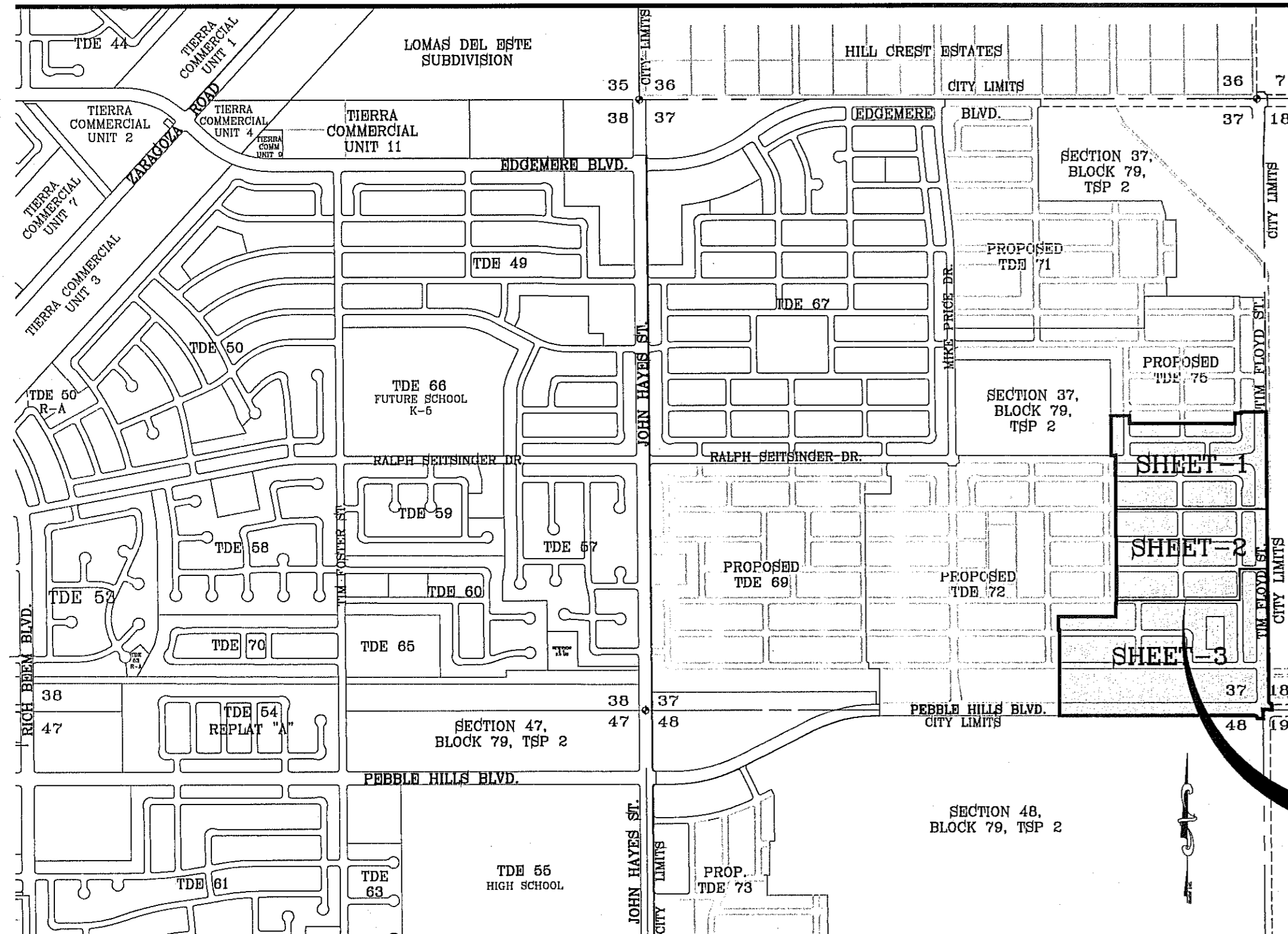


SUBDIVISION IMPROVEMENTS

I N D E X

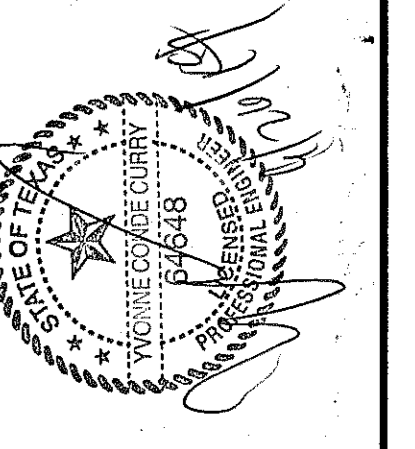
TITLE	SHEET No.	TITLE	SHEET No.
COVER SHEET	1 of 72	LOUIS BAUDOIN CT. / DAVID PALACIO ST.	42-43 of 72
PLAT	2-4 of 72	CHARMAINE CROOKS ST.	44-45 of 72
GRADING PLAN	5-7 of 72	WILLIE CAGER ST.	46 of 72
GRADING SECTIONS	8 of 72	BOBBY DOBBS PL.	47 of 72
DRAINAGE PLAN	9-11 of 72	PAUL FOSTER PL.	48 of 72
STORM WATER POLLUTION PREVENTION PLAN & NOTES	12-15 of 72	ANDY COHEN PL.	49 of 72
PEBBLE HILLS BLVD.	16-18 of 72	PROPOSED POND	50 of 72
TIM FLOYD ST.	19-22 of 72	PROPOSED STRUCTURES 1 & 2	51 of 72
RALPH SEITSINGER DR.	23-24 of 72	WATER DISTRIBUTION	52-54 of 72
TIM HARDAWAY AVE. / BOB BEAMON ST.	25-28 of 72	SANITARY SEWER DISTRIBUTION	55-57 of 72
SUNNY LAND AVE.	29-30 of 72	SANITARY SEWER PROFILES	58-61 of 72
TED BANKS AVE.	31-32 of 72	WATER AND SEWER DETAILS	62-65 of 72
BERT CAMERON AVE.	33-34 of 72	TRAFFIC CONTROL AND ILLUMINATION PLAN	66-68 of 72
HUNTERS GROVE AVE.	35-36 of 72	ROUNDBOUT STRIPING AND TRAFFIC CONTROL	69 of 72
LONG SHADOW AVE.	37-38 of 72	STRUCTURE DETAILS	70 of 72
HOLLY SPRINGS AVE.	39-41 of 72	STANDARD DETAILS	71-72 of 72
		ARTERIAL LIGHTING	E1-E6 of 6
		LANDSCAPE AND IRRIGATION	L1-L6 of 6

LOCATION MAP SCALE: 1"=1000'

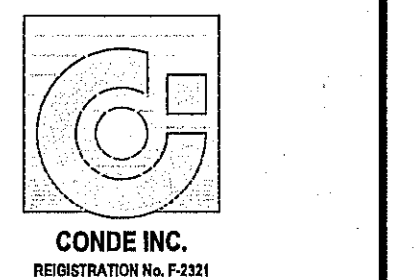


PROPOSED TIERRA DEL ESTE UNIT SEVENTY SIX

PROJECT NAME
TIERRA DEL ESTE UNIT 76
 BEING PORTION OF SECTION 18, BLOCK 78,
 AND PORTION OF SECTIONS 37 AND 48,
 BLOCK 79, TOWNSHIP 2, TEXAS
 AND PACIFIC RAILWAY CO. SURVEYS,
 CITY OF EL PASO, EL PASO COUNTY, TEXAS
 CONTAINING: 56.09± ACRES



CONDE INC.
 ENGINEERING / PLANNING
 SURVEYING / GPS
 6080 SURETY DR. STE 100
 EL PASO, TEXAS 79905
 PHONE: (915) 592-0283
 FAX: (915) 592-0286



COVER SHEET
 SHT 1 OF 72

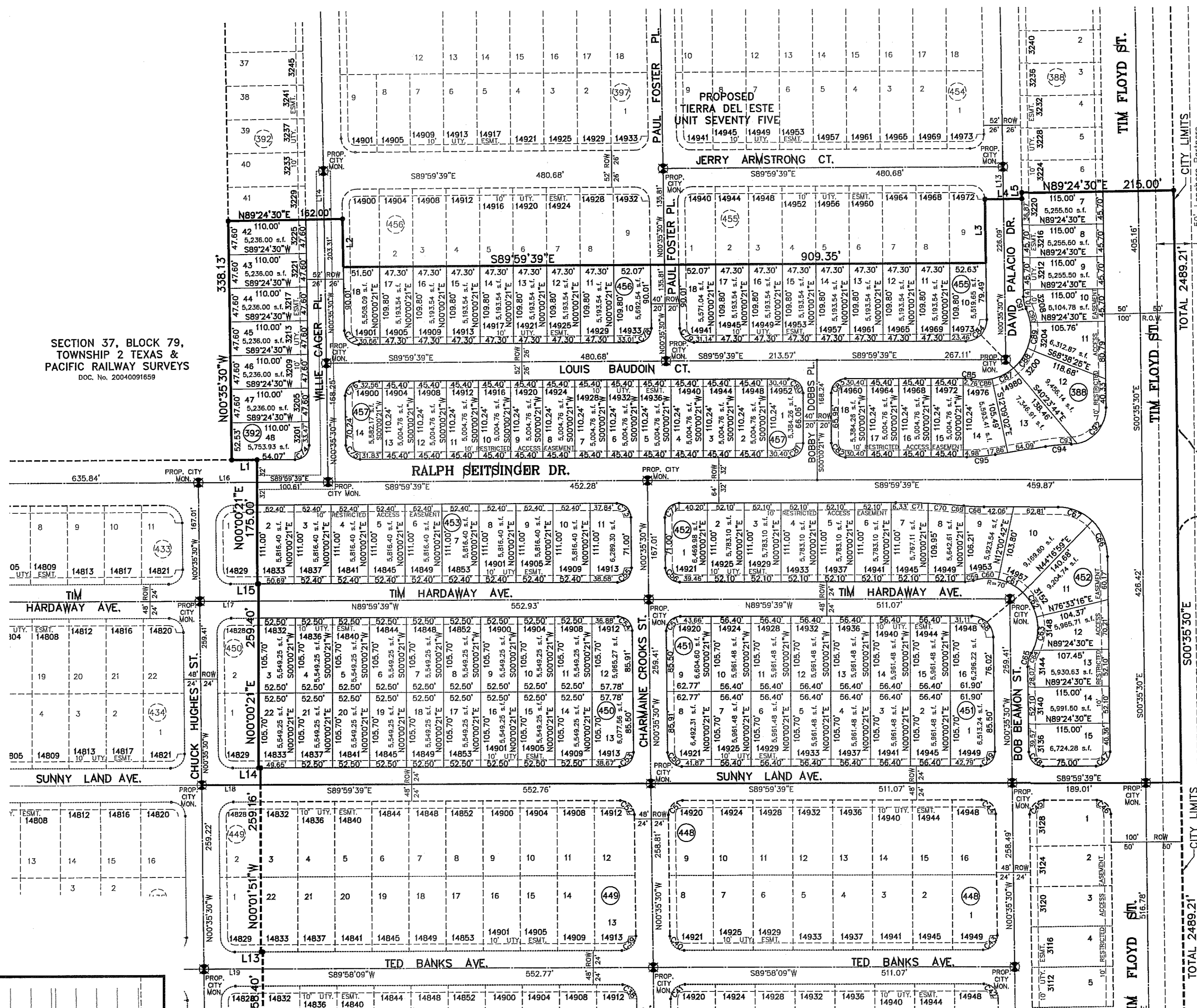
TIERRA DEL ESTE UNIT SEVENTY SIX

BEING PORTION OF SECTION 18, BLOCK 78, AND PORTION OF SECTIONS 37 AND 48, BLOCK 79, TOWNSHIP 2, TEXAS AND PACIFIC RAILWAY Co. SURVEYS, CITY OF EL PASO, EL PASO COUNTY, TEXAS CONTAINING: 86.09± ACRES

CURVE	RADIUS	LENGTH	TANGENT	CHORD	BEARING	DELTA
C39	20.00	31.61	20.20	28.42	N44°41'20"E	90°33'38"
C40	20.00	31.22	19.81	28.15	S45°18'40"E	89°26'22"
C41	20.00	31.61	20.20	28.42	S44°41'20"W	90°33'38"
C42	20.00	31.22	19.81	28.15	N45°18'40"W	89°26'22"
C43	20.00	31.61	20.20	28.42	N44°41'20"E	90°33'38"
C44	20.00	31.21	19.79	28.14	S45°17'35"W	89°24'10"
C45	20.00	31.62	20.21	28.43	S44°42'25"W	90°35'50"
C46	20.00	31.21	19.79	28.14	N45°17'35"E	89°24'10"
C47	20.00	31.62	20.21	28.43	N44°42'25"E	90°35'50"
C48	20.00	31.21	19.79	28.14	S45°17'35"E	89°24'10"
C49	20.00	31.62	20.21	28.43	N44°42'25"E	90°35'50"
C50	20.00	31.21	19.79	28.14	S45°17'35"E	89°24'10"
C51	20.00	31.62	20.21	28.43	S44°42'25"W	90°35'50"
C52	20.00	31.21	19.79	28.14	N45°17'35"E	89°24'10"
C53	20.00	31.62	20.21	28.43	N44°42'25"E	90°35'50"
C54	20.00	31.21	19.79	28.14	S45°17'35"E	89°24'10"
C55	20.00	31.62	20.21	28.43	N44°42'25"E	90°35'50"
C56	20.00	31.21	19.79	28.14	S45°17'35"E	89°24'10"
C57	20.00	31.62	20.21	28.43	S44°42'25"W	90°35'50"
C58	20.00	31.21	19.79	28.14	N45°17'35"E	89°24'10"
C59	20.00	31.62	20.21	28.43	N44°42'25"E	90°35'50"
C60	20.00	31.21	19.79	28.14	S45°17'35"E	89°24'10"
C61	20.00	31.62	20.21	28.43	S44°42'25"W	90°35'50"
C62	20.00	31.21	19.79	28.14	N45°17'35"E	89°24'10"
C63	20.00	31.62	20.21	28.43	N44°42'25"E	90°35'50"
C64	20.00	31.21	19.79	28.14	S45°17'35"E	89°24'10"
C65	20.00	31.62	20.21	28.43	S44°42'25"W	90°35'50"
C66	20.00	31.21	19.79	28.14	N45°17'35"E	89°24'10"
C67	20.00	31.62	20.21	28.43	N44°42'25"E	90°35'50"
C68	20.00	31.21	19.79	28.14	S45°17'35"E	89°24'10"
C69	20.00	31.62	20.21	28.43	S44°42'25"W	90°35'50"
C70	20.00	31.21	19.79	28.14	N45°17'35"E	89°24'10"
C71	20.00	31.62	20.21	28.43	N44°42'25"E	90°35'50"
C72	20.00	31.21	19.79	28.14	S45°17'35"E	89°24'10"
C73	20.00	31.62	20.21	28.43	S44°42'25"W	90°35'50"
C74	20.00	31.21	19.79	28.14	N45°17'35"E	89°24'10"
C75	20.00	31.62	20.21	28.43	N44°42'25"E	90°35'50"
C76	20.00	31.21	19.79	28.14	S45°17'35"E	89°24'10"
C77	20.00	31.62	20.21	28.43	S44°42'25"W	90°35'50"
C78	20.00	31.21	19.79	28.14	N45°17'35"E	89°24'10"
C79	20.00	31.62	20.21	28.43	N44°42'25"E	90°35'50"
C80	20.00	31.21	19.79	28.14	S45°17'35"E	89°24'10"
C81	20.00	31.62	20.21	28.43	S44°42'25"W	90°35'50"
C82	20.00	31.21	19.79	28.14	N45°17'35"E	89°24'10"
C83	20.00	31.62	20.21	28.43	N44°42'25"E	90°35'50"
C84	20.00	31.21	19.79	28.14	S45°17'35"E	89°24'10"
C85	20.00	31.62	20.21	28.43	S44°42'25"W	90°35'50"
C86	20.00	31.21	19.79	28.14	N45°17'35"E	89°24'10"
C87	20.00	31.62	20.21	28.43	N44°42'25"E	90°35'50"
C88	20.00	31.21	19.79	28.14	S45°17'35"E	89°24'10"
C89	20.00	31.62	20.21	28.43	S44°42'25"W	90°35'50"
C90	20.00	31.21	19.79	28.14	N45°17'35"E	89°24'10"
C91	20.00	31.62	20.21	28.43	N44°42'25"E	90°35'50"
C92	20.00	31.21	19.79	28.14	S45°17'35"E	89°24'10"
C93	20.00	31.62	20.21	28.43	S44°42'25"W	90°35'50"
C94	20.00	31.21	19.79	28.14	N45°17'35"E	89°24'10"
C95	20.00	31.62	20.21	28.43	N44°42'25"E	90°35'50"

LINE	LENGTH	BEARING
L1	35.73	S89°59'39"W
L2	67.77	S90°35'30"E
L3	90.01	N00°35'30"W
L4	52.00	N89°24'30"E
L5	8.83	N00°35'30"E
L6	50.09	S03°28'40"E
L7	77.23	N89°58'30"W
L8	77.27	S00°35'30"E
L9	50.09	N87°09'36"W
L10	8.88	S89°58'09"W
L11	6.40	N89°58'09"E
L12	2.54	S89°58'09"W
L13	2.53	N89°58'09"W
L14	2.89	N89°59'39"W
L15	1.71	N89°59'39"W
L16	83.17	S89°59'39"W
L17	83.14	S89°59'39"E
L18	83.31	S89°59'39"E
L19	83.30	N89°58'09"E
L20	83.31	N89°58'09"E
L21	80.66	N89°58'09"E
L22	96.42	N89°58'09"E
L23	93.66	N89°58'09"E
L24	58.07	S08°29'53"E

SECTION 37, BLOCK 79, TOWNSHIP 2 TEXAS & PACIFIC RAILWAY SURVEYS DOC. NO. 2004090150



50' Longhorn Partners
Pipeline LP 18' Pipeline
Miscellaneous to L100000000031
Volume 3360, Page 0371
Official Records of El Paso County, Texas

SECTION 18, BLOCK 78, TOWNSHIP 2 TEXAS & PACIFIC RAILWAY SURVEYS

PROPOSED ANNEXATION

NOTES:
WATER AND SEWER SERVICES WILL BE EXTENDED TO THIS SUBDIVISION (TIERRA DEL ESTE UNIT 76) FROM EXISTING EL PASO WATER UTILITIES/PUBLIC SERVICE BOARD FACILITIES AND WILL BE CONSTRUCTED AND OPERABLE AS OF THE INSTRUMENT ASSURING THE CERTIFICATION THAT WATER AND SEWER SERVICES FACILITIES DESCRIBED BY THIS PLAN ARE IN COMPLIANCE WITH THE MODEL RULES ADOPTED UNDER SECTION 16.345, TEXAS WATER CODE IS FILED IN THE OFFICE OF THE COUNTY CLERK, DEED AND RECORD SECTION.

TAX CERTIFICATE FOR THIS SUBDIVISION ARE FILED IN THE OFFICE OF THE COUNTY CLERK, DEED AND RECORDS SECTION.

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

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

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

SET 1/2" REBAR WITH CAP MARKED TX 5152 AT ALL EXTERIOR BOUNDARY CORNERS UNLESS OTHERWISE NOTED.

ACCORDING TO THE FEDERAL EMERGENCY MANAGEMENT AGENCY FLOOD INSURANCE RATE MAP COMMUNITY PANEL NO. 4802120175B, DATED SEPTEMBER 4, 1991 THIS PROPERTY IS IN FLOOD HAZARD ZONE X OUTSIDE THE 500 YEAR FLOOD-PLAIN.

SINGLE FAMILY AND TWO FAMILY RESIDENTIAL STREETS OF LESS THAN 640 FEET IN LENGTH MAY USE THE SMALLER WIDTH WHEN THE FACING LOTS ARE 50 FEET OR WIDER WITH TWO CAR DRIVEWAYS 18 FEET IN WIDTH OR WITH REAR ENTRY FROM ALLEYS. LANES MAY BE USED WHERE THE STREET LENGTH IS LESS THAN 400' AND THE LOTS ARE GREATER THAN 20,000 SQUARE FEET WITH 50 FOOT SETBACKS AND DRIVEWAYS ARE 20 FEET IN WIDTH.

STREET CLASSIFICATION: 40' R.O.W. = 20' RESIDENTIAL LANE NO PARKING
48' R.O.W. = 32' LOCAL RESIDENTIAL 2
52' R.O.W. = 32' LOCAL RESIDENTIAL 3
64' R.O.W. = NON-RESIDENTIAL 4 LANE COLLECTOR
100' R.O.W. & 122' R.O.W. = MAJOR ARTERIAL STREET.

DEDICATION
RANCHOS REAL XV, L.L.C., property owner of this land hereby present this plot and dedicate to the use of the public, the streets, drives, ponds, parks, drainage R.O.W., drainage easement, restricted access easements, and utility easements as hereon laid down and designated, including easements for overhead of service wires for pole type utilities, and 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.

SECTION 18, BLOCK 78, TOWNSHIP 2, TEXAS & PACIFIC RAILWAY SURVEYS

Witness our signature this _____ day of _____, 2014.

By: RANCHOS REAL XV, L.L.C.

By: Douglas A. Schwartz, MANAGER

ATTEST: NOT REQUIRED

ACKNOWLEDGEMENT

STATE OF TEXAS
COUNTY OF EL PASO
Before me, the undersigned authority, on this day personally appeared Douglas A. Schwartz, Manager of RANCHOS REAL XV, L.L.C., ON BEHALF OF SAID LIMITED LIABILITY COMPANY, 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 of said company for the purpose and considerations herein expressed.

Given under my hand and seal of office this _____ day of _____, 2014.

Notary Public in and for El Paso County My Commission Expires _____

CITY PLAN 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 _____, 2013.

Executive Secretary _____ Chairperson _____

Approved for filing this _____ day of _____, 2014.

City Development Director _____

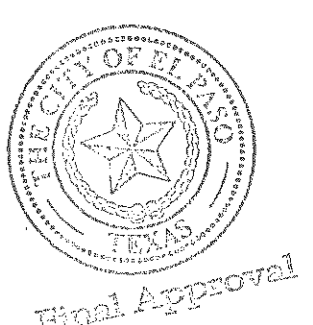
FILING
Filed and recorded in the office of the County Clerk of El Paso County, Texas, this _____ day of _____, 2014, A.D. In

File No. _____

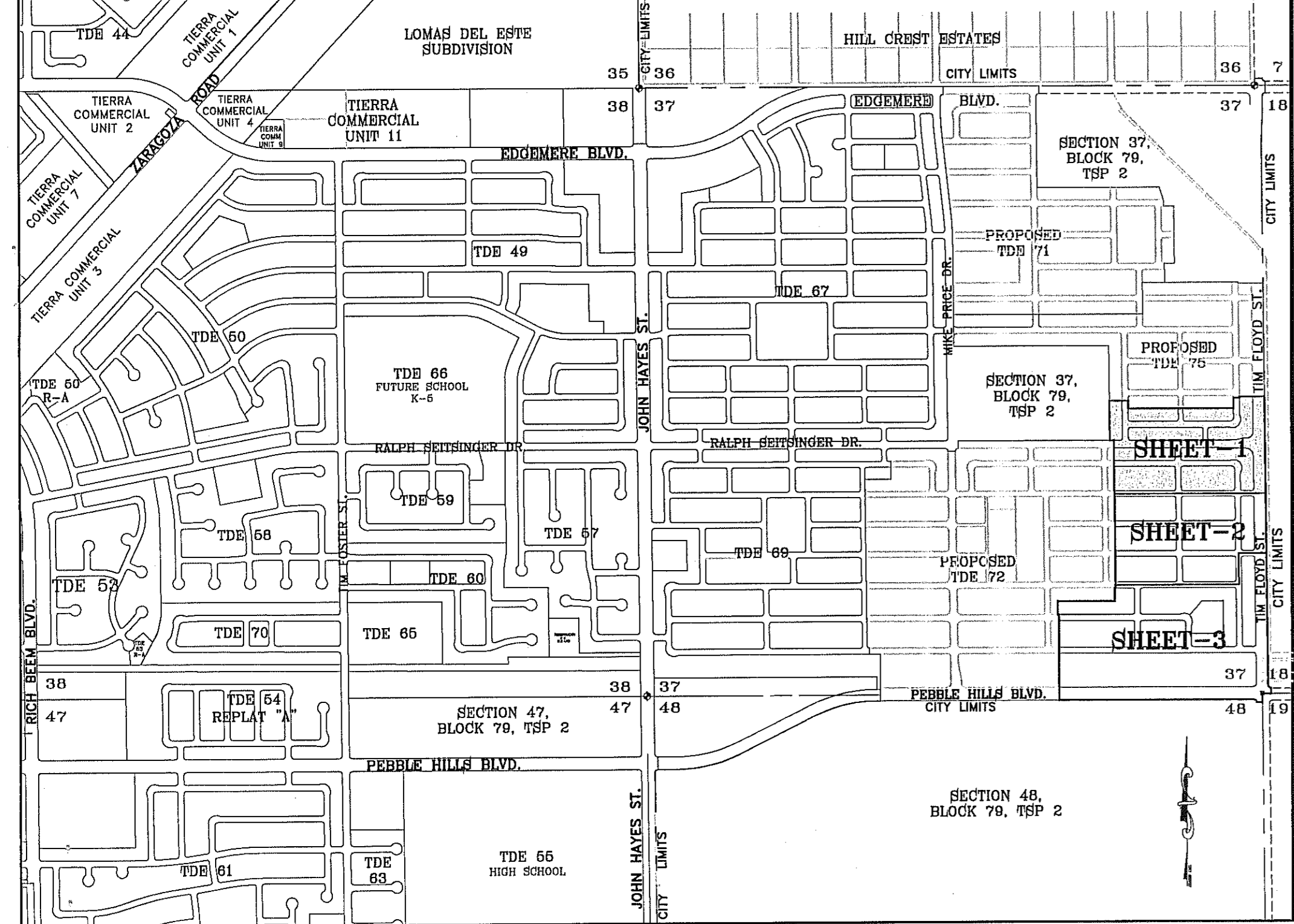
County Clerk _____ By Deputy _____

Prepared by and under the supervision of: Yvonne Conde Curry, P.E. This plot represents a survey made on the ground by me or under my supervision and complies with the current Texas Board of Professional Land Survey Registration No. 64648 Professional and Technical Standards.

Yvonne Conde Curry, P.E. Ron R. Conde, Registered Professional Land Surveyor Texas License No. 5152



LOCATION MAP SCALE: 1"=100'



Chapter 395 of the Texas Local Government Code authorizes the City of El Paso to adopt and impose water and wastewater impact fees. This plan fulfills an obligation mandated by Chapter 395 and sets the assessment of the impact fees in accordance with the impact fee schedule adopted by City Council as set forth below. The collection of the impact fee for this subdivision shall be at the time of the meter connection if development is outside the city limits.

Meter Size	Meter Capacity Ratio	Water (\$)	Wastewater (\$)
Less Than 1"	1.00	697.00	920.00
1"	1.67	1,163.00	1,537.00
1 1/2"	3.33	2,321.00	3,065.00
2"	5.33	3,714.00	4,905.00
3"	10.00	6,968.00	9,203.00
4"	16.67	11,615.00	15,341.00
6"	33.33	23,230.00	30,672.00
8"	53.33	37,150.00	49,077.00
10"	76.67	40,064.00	52,916.00
12"	143.33	74,899.00	98,924.00

* Fees do not apply to water meter or connections made for standby fire protection service.

Tierra Del Este Unit 76 Notes:
Tierra Del Este Subdivision Unit 76 is subject to the Annexation Agreement entered into by Rancho Real XV, L.L.C. with the City of El Paso on January 31, 2006. Among other conditions the agreement required the following:
Item #11 Owner agrees to pay a water and wastewater connection fee to the El Paso Water Utilities Department of the City for each three quarter inch (3/4") equivalent water meter that is connected to the public water system as shown below. The water and wastewater connection fee shall be increased by three (3) percent on March 1, 2006, and each year thereafter. Payment of the water and wastewater connection fee shall be due at the time of application for water and wastewater to the system.

Meter Size	Water (\$)	Wastewater (\$)
1"	866	328
1 1/2"	1,395	499
2"	2,830	1,640
3"	4,528	2,624
4"	9,056	5,248
6"	14,150	8,200
8"	28,300	16,400
10"	52,627	30,813
12"	75,467	43,733

SCHOOL DISTRICT
SOCORRO INDEPENDENT SCHOOL DISTRICT
12300 EASTLAKE DRIVE

TOTAL RESIDENTIAL LOTS
315

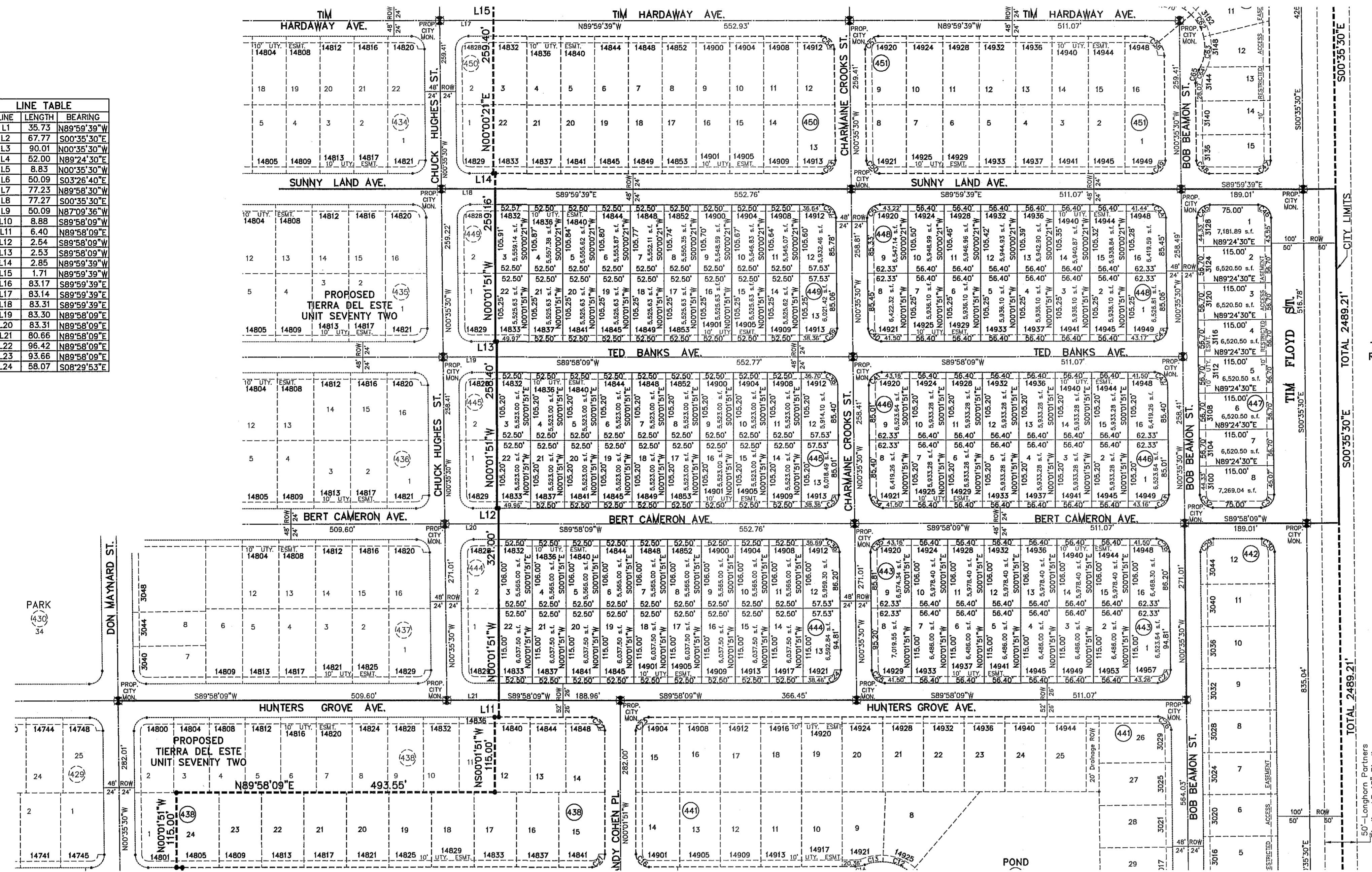
DATE OF PREPARATION: DECEMBER 20, 2011
CONDE INC.
ENGINEERING / PLANNING
GPS / SURVEYING / CAD
6000 BURETY DR. STE 100
EL PASO, TEXAS 79960
PHONE: (915) 592-6283
FAX: (915) 682-0286

TIERRA DEL ESTE UNIT SEVENTY SIX

BEING PORTION OF SECTION 18, BLOCK 78, AND PORTION OF SECTIONS 37 AND 48, BLOCK 79, TOWNSHIP 2, TEXAS AND PACIFIC RAILWAY Co. SURVEYS, CITY OF EL PASO, EL PASO COUNTY, TEXAS CONTAINING: 86.09± ACRES

LINE TABLE

LINE	LENGTH	BEARING
L1	35.73	N89°59'39"W
L2	67.77	S00°35'30"E
L3	90.01	N00°35'30"W
L4	52.00	N89°24'30"E
L5	8.83	N00°35'30"W
L6	50.09	S03°26'40"E
L7	77.27	N89°58'30"W
L8	77.27	S00°35'30"E
L9	50.09	N87°09'36"W
L10	8.88	S89°58'09"W
L11	6.40	N89°58'09"E
L12	2.54	S89°58'09"W
L13	2.53	S89°58'09"W
L14	2.85	N89°59'39"W
L15	1.71	N89°58'09"W
L16	83.17	S89°59'39"E
L17	83.14	S89°59'39"E
L18	83.31	S89°58'09"E
L19	83.30	S89°58'09"E
L20	83.31	N89°58'09"E
L21	80.66	N89°58'09"E
L22	96.42	N89°58'09"E
L23	93.66	N89°58'09"E
L24	88.07	S08°29'53"E



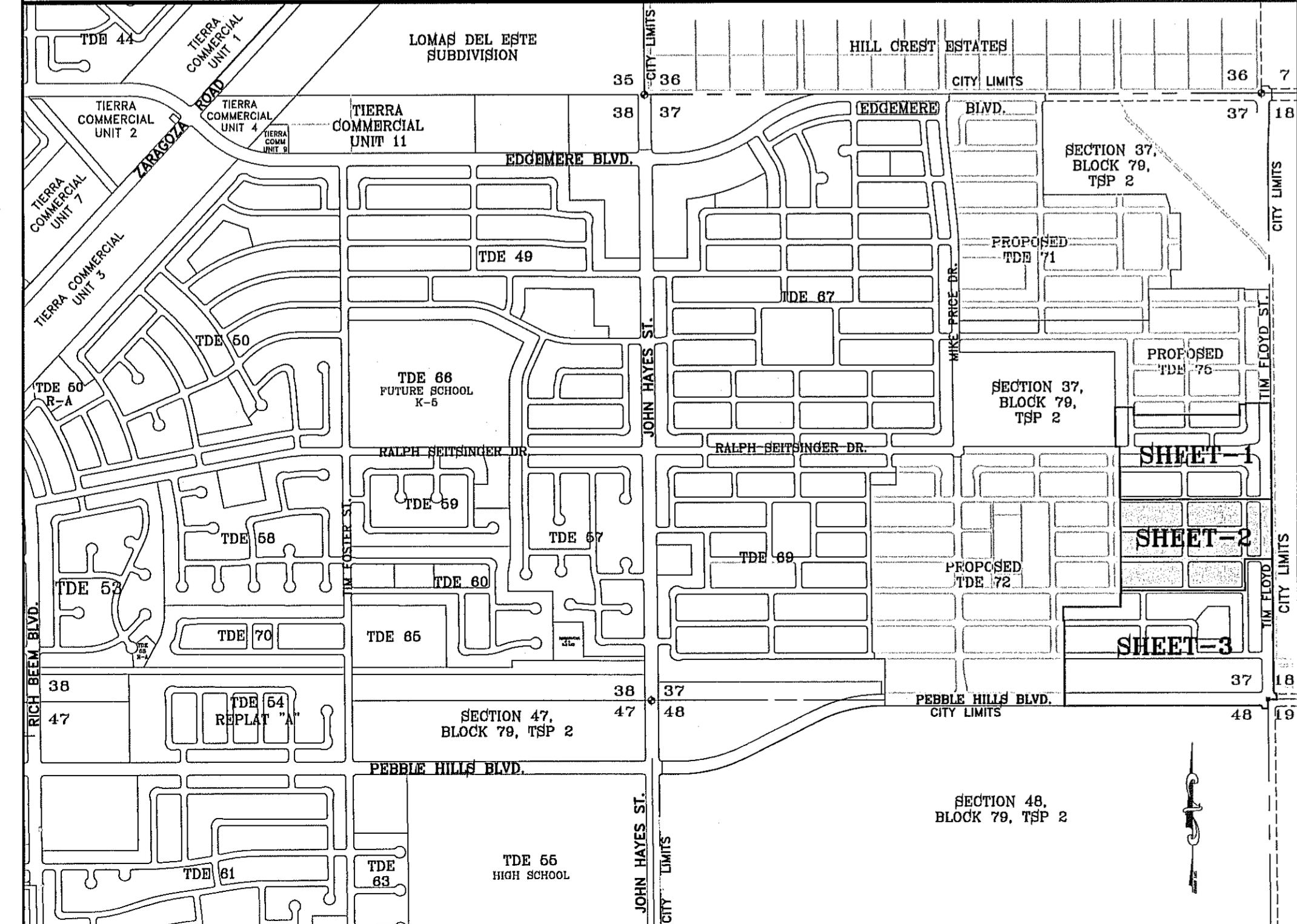
NOTES:
 LOT CORNERS WILL BE SET UPON COMPLETION OF CONSTRUCTION OF ROADWAYS AND UTILITIES.
 U.S. POSTAL SERVICE DELIVERY WILL BE PROVIDED THROUGH NEIGHBORHOOD DELIVERY AND COLLECTION BOX UNITS.
 SET 1/2" REBAR WITH CAP MARKED TX 6152 AT ALL EXTERIOR BOUNDARY CORNERS UNLESS OTHERWISE NOTED.
 ACCORDING TO THE FEDERAL EMERGENCY MANAGEMENT AGENCY FLOOD INSURANCE RATE MAP COMMUNITY PANEL #480212 D176 R, DATED SEPTEMBER 4, 1991 THIS PROPERTY IS IN FLOOD HAZARD ZONE X OUTSIDE THE 500 YEAR FLOOD-PLAIN.
 SINGLE FAMILY AND TWO FAMILY RESIDENTIAL STREETS OF LESS THAN 640 FEET IN LENGTH MAY USE THE SMALLER WIDTH WHEN THE FACING LOTS ARE 50 FEET OR WIDER WITH TWO CAR DRIVEWAYS 18 FEET IN WIDTH OR WITH REAR ENTRY FROM ALLEYS. LANES MAY BE USED WHERE THE STREET LENGTH IS LESS THAN 400' AND THE LOTS ARE GREATER THAN 20,000 SQUARE FEET WITH 50 FOOT SETBACKS AND DRIVEWAYS ARE 20 FEET IN WIDTH.
STREET CLASSIFICATION: 40' R.O.W. = 20' RESIDENTIAL LANE NO PARKING
 46' R.O.W. = 20' LOCAL RESIDENTIAL 2
 52' R.O.W. = 32' LOCAL RESIDENTIAL 3
 64' R.O.W. = NON-RESIDENTIAL 4 LANE COLLECTOR
 100' R.O.W. & 122' R.O.W. = MAJOR ARTERIAL STREET.

SECTION 18, BLOCK 78, TOWNSHIP 2, TEXAS & PACIFIC RAILWAY SURVEYS

CURVE TABLE

CURVE	RADIUS	LENGTH	TANGENT	CHORD	BEARING	DELTA
C13	70.00	28.72	14.56	28.52	S80°26'31"W	23°30'20"
C14	40.00	14.86	7.51	14.77	N79°19'45"E	21°16'48"
C15	30.00	47.12	30.00	42.43	N45°01'51"W	90°00'00"
C16	20.00	31.42	20.00	28.28	S45°01'51"E	90°00'00"
C17	20.00	31.42	20.00	28.28	S44°58'09"W	90°00'00"
C18	20.00	31.42	20.00	28.28	S45°01'51"E	90°00'00"
C19	20.00	31.42	20.00	28.28	N44°58'09"E	90°00'00"
C20	20.00	31.42	20.00	28.28	N45°01'51"W	90°00'00"
C21	20.00	31.42	20.00	28.28	N44°58'09"E	90°00'00"
C22	20.00	31.42	20.00	28.28	N45°01'51"W	90°00'00"
C23	20.00	31.42	20.00	28.28	S44°58'09"W	90°00'00"
C24	20.00	31.61	20.00	28.42	N44°41'20"E	90°33'38"
C25	20.00	31.22	19.81	28.15	S45°18'40"E	89°26'22"
C26	20.00	31.22	19.81	28.15	S45°18'40"E	89°26'22"
C27	20.00	31.61	20.00	28.42	N44°41'20"E	90°33'38"
C28	20.00	31.22	19.81	28.15	N45°18'40"W	89°26'22"
C29	20.00	31.61	20.00	28.42	S44°41'20"W	90°33'38"
C30	20.00	31.22	19.81	28.15	N45°18'40"W	89°26'22"
C31	20.00	31.61	20.00	28.42	N44°41'20"E	90°33'38"
C32	20.00	31.22	19.81	28.15	S45°18'40"E	89°26'22"
C33	20.00	31.61	20.00	28.42	N44°41'20"E	90°33'38"
C34	20.00	31.22	19.81	28.15	S45°18'40"E	89°26'22"
C35	20.00	31.61	20.00	28.42	S44°41'20"W	90°33'38"
C36	20.00	31.22	19.81	28.15	N45°18'40"W	89°26'22"
C37	20.00	31.61	20.00	28.42	N44°41'20"E	90°33'38"
C38	20.00	31.22	19.81	28.15	N45°18'40"W	89°26'22"
C39	20.00	31.61	20.00	28.42	N44°41'20"E	90°33'38"
C40	20.00	31.22	19.81	28.15	S45°18'40"E	89°26'22"
C41	20.00	31.61	20.00	28.42	S44°41'20"W	90°33'38"
C42	20.00	31.22	19.81	28.15	N45°18'40"W	89°26'22"
C43	20.00	31.61	20.00	28.42	N44°41'20"E	90°33'38"
C44	20.00	31.21	19.79	28.14	N45°17'35"W	89°24'10"
C45	20.00	31.62	20.21	28.43	S44°42'25"W	90°35'50"
C46	20.00	31.21	19.79	28.14	N45°17'35"W	89°24'10"
C47	20.00	31.62	20.21	28.43	N44°42'25"E	90°35'50"
C48	20.00	31.21	19.79	28.14	S45°17'35"E	89°24'10"
C49	20.00	31.62	20.21	28.43	N44°42'25"E	90°35'50"
C50	20.00	31.21	19.79	28.14	S45°17'35"E	89°24'10"
C51	20.00	31.62	20.21	28.43	S44°42'25"W	90°35'50"
C52	20.00	31.21	19.79	28.14	N45°17'35"W	89°24'10"
C53	20.00	31.62	20.21	28.43	N44°42'25"E	90°35'50"
C54	20.00	31.21	19.79	28.14	N45°17'35"W	89°24'10"
C55	20.00	31.62	20.21	28.43	N44°42'25"E	90°35'50"
C56	20.00	31.21	19.79	28.14	S45°17'35"E	89°24'10"
C57	20.00	31.62	20.21	28.43	S44°42'25"W	90°35'50"
C58	30.00	46.81	29.69	42.20	N45°17'35"W	89°24'10"
C59	40.00	12.11	6.10	12.08	N81°20'06"E	17°02'29"
C60	70.00	35.85	18.33	35.46	S87°20'17"W	20°20'51"
C61	70.00	39.43	20.25	38.91	N61°51'10"W	32°16'17"
C62	70.00	39.43	20.25	38.91	N29°34'53"W	32°16'17"
C63	70.00	48.29	25.15	47.33	N08°18'57"E	39°31'21"
C64	70.00	4.40	2.20	4.40	N27°62'45"E	3°38'16"
C65	40.00	21.13	10.62	20.89	S14°32'41"W	30°18'22"
C66	70.00	58.17	29.70	54.68	N23°34'49"W	49°56'40"

LOCATION MAP SCALE: 1"=1000'



Chapter 395 of the Texas Local Government Code authorizes the City of El Paso to adopt and impose water and wastewater impact fees. This plan note fulfills an obligation mandated by Chapter 395 and sets the assessment of the impact fees in accordance with the impact fee schedule adopted by City Council on set forth below. The collection of the impact fee for this subdivision shall be at the time of the meter connection if development to outside the city limits.

EASTSIDE SERVICE AREA

Meter Size	Meter Capacity	Water (\$)	Wastewater (\$)
Less Than 1"	1.00	697.00	920.00
1"	1.67	1,163.00	1,537.00
1 1/2"	3.33	2,321.00	3,065.00
2"	5.33	3,714.00	4,905.00
3"	10.00	6,968.00	9,203.00
4"	16.67	11,615.00	15,341.00
6"	33.33	23,223.00	30,672.00
8"	53.33	37,158.00	49,077.00
10"	76.67	40,064.00	52,916.00
12"	143.33	74,899.00	98,924.00

* Fees do not apply to water meter or connections made for standby fire protection service.

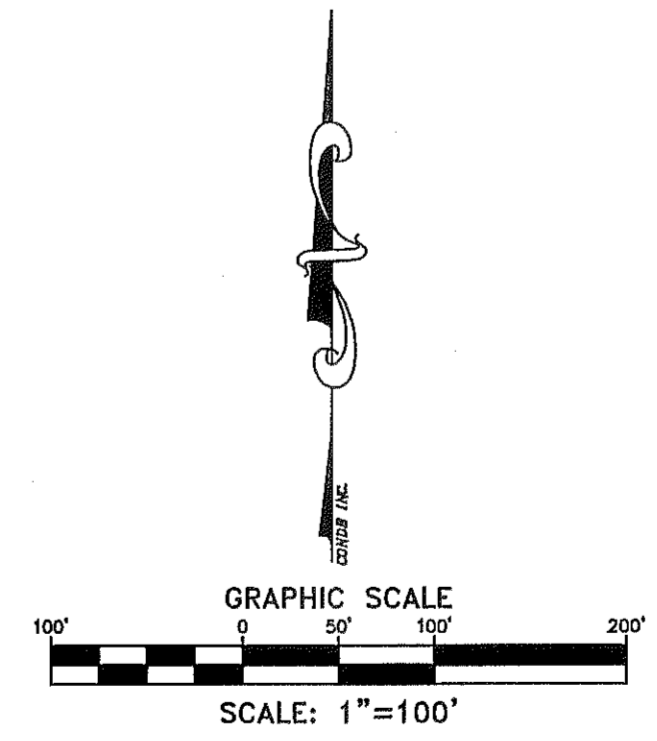
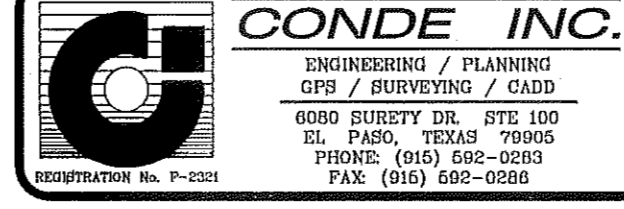
Tierra Del Este Unit 76 Notes:
 Tierra Del Este Subdivision Unit 76 is subject to the Assentment Agreement entered into by Rancho Red IV LTD with the City of El Paso on January 31, 2006. Among other conditions the agreement require the following:
 Item #1: Owner agrees to pay a water and wastewater connection fee to the El Paso Water Utilities Department of the City for each three quarter inch (3/4") equivalent water meter that is connected to the public water system as shown below. The water and wastewater connection fee shall be increased by three (3) percent on March 1, 2006, and each year thereafter. Payment of the water and wastewater connection fee shall be due at the time of application for water and wastewater to the system.

Meter Size	Water (\$)	Wastewater (\$)
5/8" x 3/4"	566	328
1"	1,396	809
1 1/2"	2,850	1,640
2"	4,528	2,624
3"	9,056	5,248
4"	14,100	8,200
6"	26,300	16,400
8"	52,827	30,613
10"	75,487	43,733

SCHOOL DISTRICT
 SOCORRO INDEPENDENT SCHOOL DISTRICT
 12300 EASTLAKE DRIVE

TOTAL RESIDENTIAL LOTS
 315

DATE OF PREPARATION: DECEMBER 20, 2011



ATTEST: NOT REQUIRED
ACKNOWLEDGEMENT
 STATE OF TEXAS
 COUNTY OF EL PASO
 Before me, the undersigned authority, on this day personally appeared Douglas A. Schwartz, Manager of RANCHOS REAL XV, L.L.C., ON BEHALF OF SAID LIMITED LIABILITY COMPANY, known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that he executed the same for the act and deed of said company for the purpose and considerations herein expressed.
 Given under my hand and seal of office this _____ day of _____, 2014.
 Notary Public in and for El Paso County My Commission Expires _____



TIERRA DEL ESTE UNIT SEVENTY SIX

BEING PORTION OF SECTION 18, BLOCK 78,
AND PORTION OF SECTIONS 37 AND 48,
BLOCK 79, TOWNSHIP 2, TEXAS
AND PACIFIC RAILWAY Co. SURVEYS,
CITY OF EL PASO, EL PASO COUNTY, TEXAS
CONTAINING: 86.09± ACRES

Chapter 395 of the Texas Local Government Code authorizes the City of El Paso to adopt and impose water and wastewater impact fees. This note fulfills an obligation mandated by Chapter 395 and sets the assessment of the impact fees in accordance with the impact fee schedule adopted by City Council on set forth below. The collection of the impact fee for this subdivision shall be at the time of the meter connection if development is outside the city limits.

Tierra Del Este Unit 76 Notes:

Tierra Del Este Subdivision Unit 76 is subject to the Annexation Agreement entered into by Ranchos Real IV LTD with the City of El Paso on January 31, 2006. Among other conditions the agreement required the following:
Item #11 Owner agrees to pay a water and wastewater connection fee to the El Paso Water Utilities Department of the City for each three quarter inch (3/4") equivalent water meter that is connected to the public water system on shown below. The water and wastewater connection fee shall be increased by three (3) percent on March 1, 2006, and each year thereafter. Payment of the water and wastewater connection fee shall be due at the time of application for water and wastewater to the system.

Meter Size	Meter Capacity Ratio	*Water (\$)	Wastewater (\$)
Less Than 1"	1.00	697.00	920.00
1"	1.67	1,163.00	1,537.00
1 1/2"	3.33	2,321.00	3,068.00
2"	6.33	3,714.00	4,905.00
3"	10.00	5,968.00	9,203.00
4"	16.67	11,615.00	15,341.00
6"	33.33	23,223.00	30,672.00
8"	53.33	37,158.00	49,077.00
10"	76.67	40,064.00	52,916.00
12"	143.33	74,899.00	98,924.00

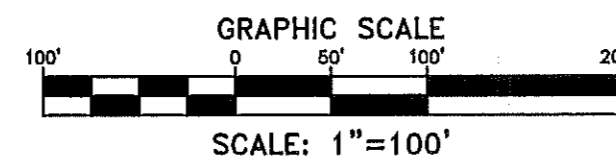
* Fees do not apply to water meter or connections made for standby fire protection service.

Meter Size	Water (\$)	Wastewater (\$)
5/8" x 3/4"	566	328
1"	1,396	809
1 1/2"	2,830	1,640
2"	4,528	2,624
3"	9,056	5,248
4"	14,150	8,200
6"	28,300	16,400
8"	52,627	30,613
10"	75,467	43,733

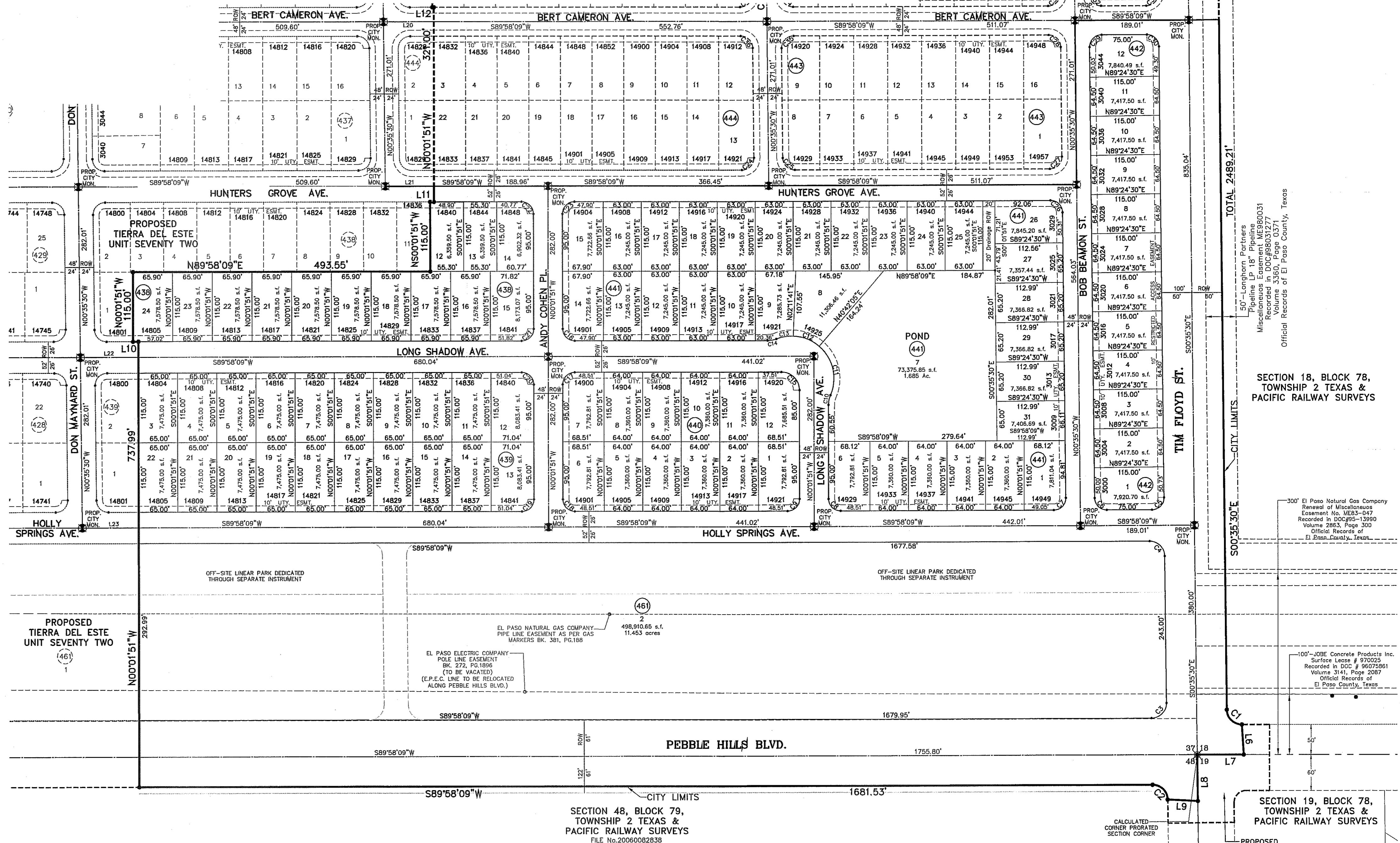
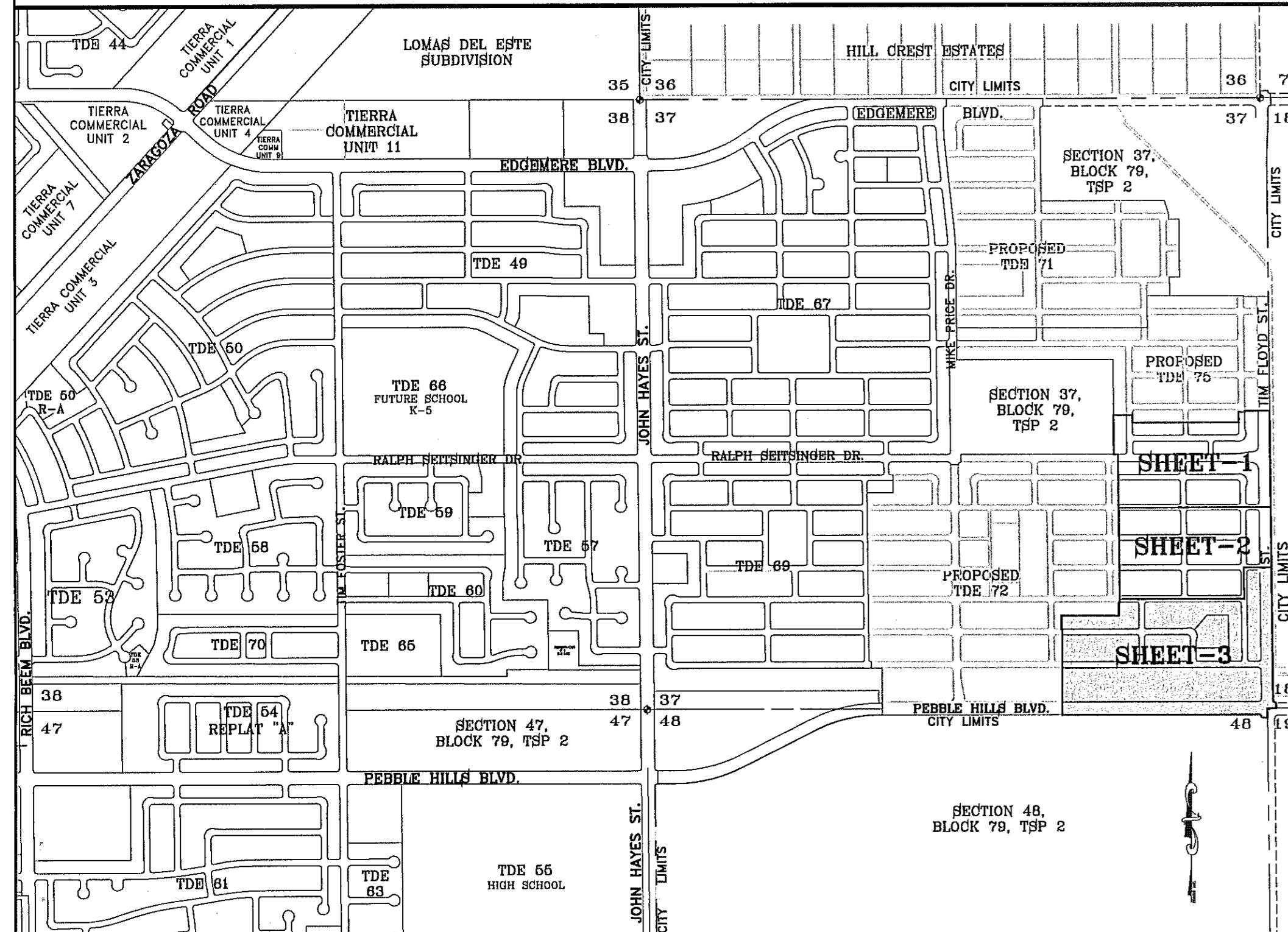
CURVE	RADIUS	LENGTH	TANGENT	CHORD	BEARING	DELTA
C1	25.00	39.00	24.73	35.16	S45°7'00"E	89°23'00"
C2	25.00	39.03	24.76	35.18	N45°18'40"W	89°28'22"
C3	25.00	39.51	25.25	35.63	N44°41'20"E	90°33'38"
C4	25.00	39.03	24.76	35.18	N45°18'40"W	89°28'22"
C5	20.00	31.61	20.20	28.42	N44°41'20"E	90°33'38"
C6	20.00	31.22	19.81	28.15	S45°18'40"E	89°26'22"
C7	20.00	31.61	20.20	28.42	N44°41'20"E	90°33'38"
C8	20.00	31.42	20.00	28.28	S45°01'51"E	90°00'00"
C9	20.00	31.42	20.00	28.28	N44°58'09"E	90°00'00"
C10	40.00	16.44	8.34	16.33	S114°43'39"W	23°33'00"
C11	70.00	88.96	51.63	83.10	N125°32'23"W	72°49'05"
C12	70.00	47.04	24.45	46.16	N68°33'07"E	38°30'24"
C13	70.00	28.72	14.56	28.52	S80°26'31"W	23°30'20"
C14	40.00	14.86	7.51	14.77	N79°19'45"E	21°16'48"
C15	30.00	47.12	30.00	42.43	N45°01'51"W	90°00'00"
C16	20.00	31.42	20.00	28.28	S45°01'51"E	90°00'00"
C17	20.00	31.42	20.00	28.28	S44°58'09"W	90°00'00"
C18	20.00	31.42	20.00	28.28	S45°01'51"E	90°00'00"
C19	20.00	31.42	20.00	28.28	N44°58'09"E	90°00'00"
C20	20.00	31.42	20.00	28.28	N45°01'51"W	90°00'00"
C21	20.00	31.42	20.00	28.28	N44°58'09"E	90°00'00"
C22	20.00	31.42	20.00	28.28	S44°58'09"E	90°00'00"
C23	20.00	31.42	20.00	28.28	S44°58'09"W	90°00'00"
C24	20.00	31.61	20.20	28.42	N44°41'20"E	90°33'38"
C25	20.00	31.22	19.81	28.15	S45°18'40"W	89°26'22"
C26	20.00	31.22	19.81	28.15	N45°18'40"W	89°26'22"
C27	20.00	31.61	20.20	28.42	N44°41'20"E	90°33'38"
C28	20.00	31.22	19.81	28.15	N45°18'40"W	89°26'22"
C29	20.00	31.61	20.20	28.42	S44°41'20"W	90°33'38"
C30	20.00	31.22	19.81	28.15	N45°18'40"W	89°26'22"
C31	20.00	31.61	20.20	28.42	N44°41'20"E	90°33'38"
C32	20.00	31.22	19.81	28.15	S45°18'40"E	89°26'22"
C33	20.00	31.61	20.20	28.42	N44°41'20"E	90°33'38"
C34	20.00	31.22	19.81	28.15	S45°18'40"E	89°26'22"
C35	20.00	31.61	20.20	28.42	S44°41'20"W	90°33'38"
C36	20.00	31.22	19.81	28.15	N45°18'40"W	89°26'22"
C37	20.00	31.61	20.20	28.42	N44°41'20"E	90°33'38"

LINE	LENGTH	BEARING
L1	35.73	N89°59'39"W
L2	67.77	S00°35'30"E
L3	90.01	N00°35'30"E
L4	62.00	N89°24'30"E
L5	8.83	N00°58'30"W
L6	50.09	S03°26'40"E
L7	77.23	N89°58'30"W
L8	77.27	S00°35'30"E
L9	50.09	N87°09'36"W
L10	8.68	S89°58'09"W
L11	6.40	N89°58'09"E
L12	2.54	S89°58'09"W
L13	2.53	S89°58'09"W
L14	2.85	N89°59'39"W
L15	1.71	N89°59'39"W
L16	83.17	S89°59'39"E
L17	83.14	S89°59'39"E
L18	83.31	S89°59'39"E
L19	83.30	N89°58'09"E
L20	83.31	N89°58'09"E
L21	80.66	N89°58'09"E
L22	96.42	N89°58'09"E
L23	93.66	N89°58'09"E
L24	58.07	S08°29'53"E

NOTES:
LOT CORNERS WILL BE SET UP ON COMPLETION OF CONSTRUCTION OF ROADWAYS AND UTILITIES.
U.S. POSTAL SERVICE DELIVERY WILL BE PROVIDED THROUGH NEIGHBORHOOD DELIVERY AND COLLECTION BOX UNITS.
SET 1/2" REBAR WITH CAP MARKED TX 5152 AT ALL EXTERIOR BOUNDARY CORNERS UNLESS OTHERWISE NOTED.
ACCORDING TO THE FEDERAL EMERGENCY MANAGEMENT AGENCY FLOOD INSURANCE RATE MAP COMMUNITY PANEL # 480212 0175 B, DATED SEPTEMBER 4, 1991 THIS PROPERTY IS IN FLOOD HAZARD ZONE X OUTSIDE THE 500 YEAR FLOOD-PLAIN.
SINGLE FAMILY AND TWO FAMILY RESIDENTIAL STREETS OF LESS THAN 640 FEET IN LENGTH MAY USE THE SMALLER WIDTH WHEN THE FACING LOTS ARE 50 FEET OR WIDER WITH TWO CAR DRIVEWAYS 18 FEET IN WIDTH OR WITH REAR ENTRY FROM ALLEYS. LANES MAY BE USED WHERE THE STREET LENGTH IS LESS THAN 400' AND THE LOTS ARE GREATER THAN 20,000 SQUARE FEET WITH 50 FOOT SETBACKS AND DRIVEWAYS ARE 20 FEET IN WIDTH.
STREET CLASSIFICATION: 40' R.O.W. = 20' RESIDENTIAL LANE NO PARKING
48' R.O.W. = 20' LOCAL RESIDENTIAL 2
52' R.O.W. = 22' LOCAL RESIDENTIAL 3
64' R.O.W. = NON-RESIDENTIAL 4 LANE COLLECTOR.
100' R.O.W. & 122' R.O.W. = MAJOR ARTERIAL STREET.



LOCATION MAP SCALE: 1"=1000'



SCHOOL DISTRICT
SOCORRO INDEPENDENT SCHOOL DISTRICT
12300 EASTLAKE DRIVE

TOTAL RESIDENTIAL LOTS
315

DATE OF PREPARATION: DECEMBER 20, 2011

CONDE INC.
ENGINEERING / PLANNING
GPS / SURVEYING / CAD/D
6090 SURETY DR. STE 100
EL PASO, TEXAS 79905
PHONE: (910) 692-0255
FAX: (910) 692-0256

ATTEST: NOT REQUIRED

A C K N O W L E D G E M E N T

STATE OF TEXAS
COUNTY OF EL PASO

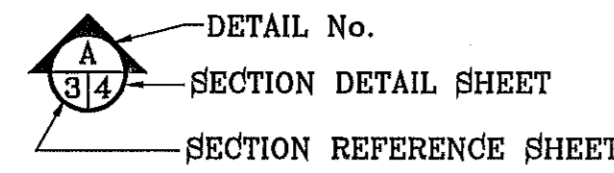
Before me, the undersigned authority, on this day personally appeared Douglas A. Schwartz, Manager of RANCHOS REAL XV, L.L.C., ON BEHALF OF SAID LIMITED LIABILITY COMPANY, known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that he executed the same as the act and deed of said company for the purpose and considerations herein expressed.

Given under my hand and seal of office this _____ day of _____, 2014.

Notary Public In and for El Paso County My Commission Expires _____



SEE SHEET 51 FOR DRAINAGE STRUCTURES



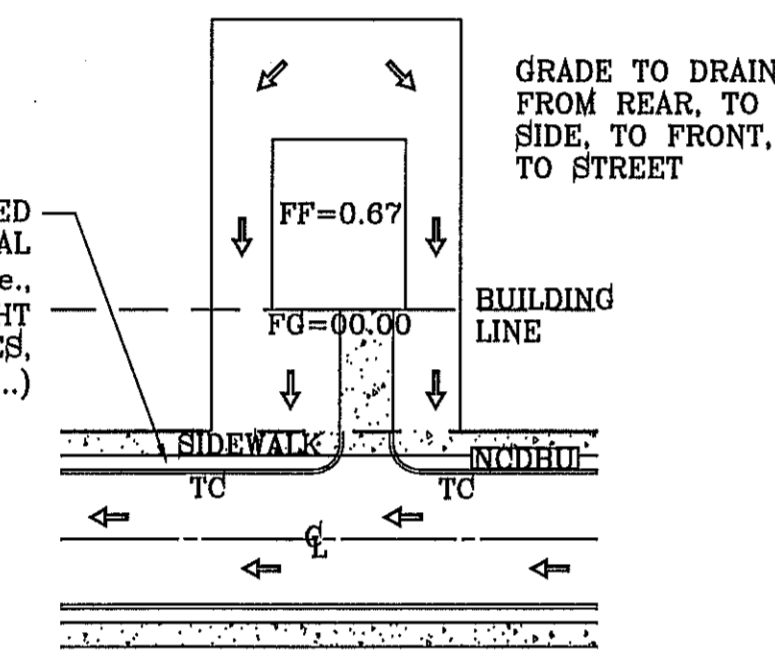
NOTE:

HEREON DESCRIBED TRACT LIES IN ZONE X, COMMUNITY PANEL NO. 480212 0176B. DATED SEPTEMBER 4, 1991.

LEGEND

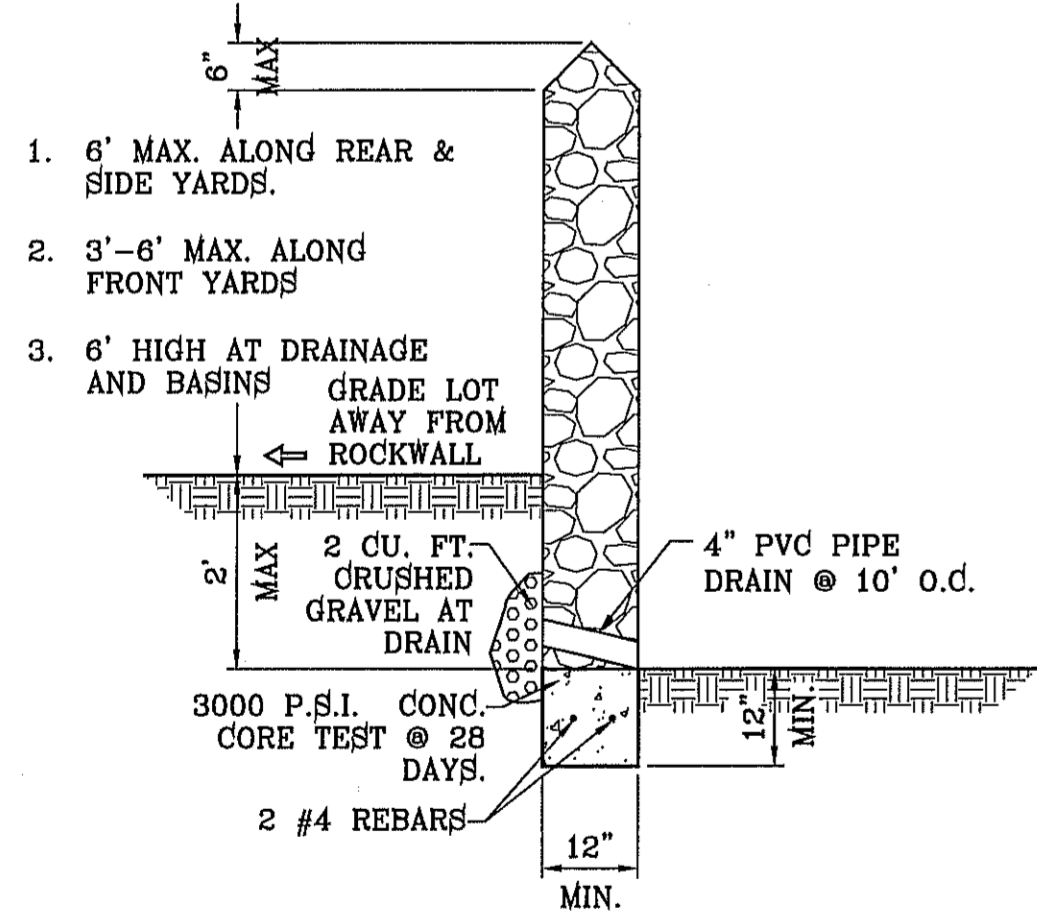
- XXXX.XX PROP. TOP OF CURB ELEVATION
FF=0.67 PROPOSED FINISH FLOOR
FG=00.00 PROPOSED FINISH GROUND
00.00 PROPOSED SPOT ELEVATION
High Point, Low Point, Existing Contour, Existing Spot Elevation, Proposed Contour, Proposed Rock Wall, Proposed Retaining Wall, Proposed Desilting Basin

ALL UTILITIES SHALL BE PLACED IN PARKWAY. NO UTILITIES SHALL BE PLACED ON SIDEWALKS (I.E., NCDDBU'S, FIRE HYDRANTS, LIGHT POLES, SIGNS, POWER POLES, ETC...)



DRIVEWAY SLOPES MUST BE 10% MAXIMUM FROM GUTTER TO SIDEWALK, 2% FOR SIDEWALK AND 14% MAXIMUM THEREAFTER

TYPICAL LOT GRADING SCALE: 1"=40'



ROCKWALL DETAIL SCALE: 1"=2'

ROCKWALL NOTES:

- 1. STONE FOR ROCKWALLS SHALL BE AS NEARLY UNIFORM IN SECTIONS AS IS PRACTICABLE...
2. MORTAR MUST BE TYPE "S" 1800 P.S.I. AS PER ASTM C270.
3. MASONRY WALLS OVER SIX (6) FEET IN HEIGHT AND THOSE USED FOR EARTH RETENTION...
4. WALLS ADJACENT TO PONDING AREAS OR DRAINAGE DITCHES...
5. ROCKWALL MORTAR JOINTS MUST NOT EXCEED TWO (2) INCHES.
6. PROVIDE ONE (1) INCH EXPANSION JOINTS AT EVERY 100 FEET.
7. ALL STONE SHALL BE THOROUGHLY SOAKED BEFORE BEING PLACED.
8. NO RIVER ROCK SHALL BE ALLOWED.

CONSTRUCTION ACTIVITY REQUIREMENTS:

- 1. NO ON-SITE PROCESSING OF MATERIAL FOR COMMERCIAL OR RETAIL SALES SHALL BE ALLOWED...
2. WORK SHALL BE CONDUCTED IN MANNER THAT PRESERVES AND DOES NOT OBSTRUCT...
3. CONSTRUCTION EQUIPMENT AND FENCING SHALL BE KEPT OUT OF WATERCOURSES...
4. WHERE A DRAINAGE WAY WILL BE CROSSED BY CONSTRUCTION VEHICLES...
5. MATERIAL STOCKPILING SHALL NOT BE ALLOWED WHEN GRADING OPERATIONS ARE IDLE...

16.44.220 - PERMIT CLOSURE PROCEDURE:

AFTER THE PERMITTEE COMPLETES THE GRADING UNDER THE PERMIT, THE PERMIT SHALL BE CLOSED. AS PART OF THE CLOSURE PROCEDURE, THE APPLICANT MUST SUBMIT THE FOLLOWING TO THE CITY:

- A. A STATEMENT FROM THE ENGINEER OF RECORD THAT STATES, "THE GRADING OPERATION HAS BEEN SUBSTANTIALLY COMPLETED AND GENERALLY CONFORMS TO THE APPROVED SET OF PLANS"...
B. A COPY OF THE NOTICE OF TERMINATION FILED WITH THE STATE OR DATED CONSTRUCTION SITE NOTICE, IF APPLICABLE...

16.44.090 - WARRANTY:

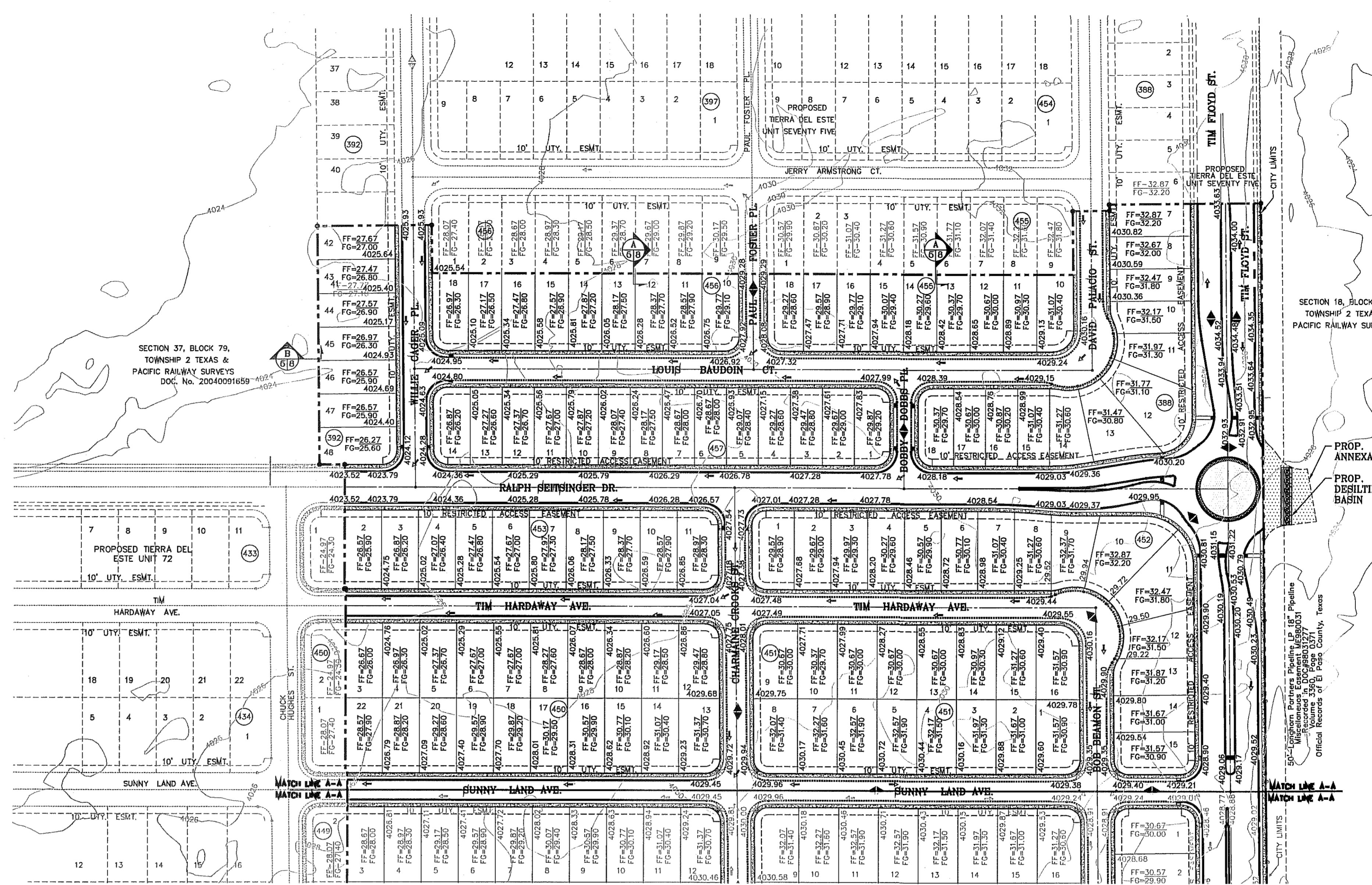
ANY PERSON ISSUED A PERMIT SHALL AGREE WARRANTY AND MAINTAIN THE AREA DESCRIBED IN THE PERMIT FOR A PERIOD OF TWO YEARS AFTER THE PERMIT IS CLOSED BY THE CITY PURSUANT TO SECTION 16.44.220...

GENERAL NOTES:

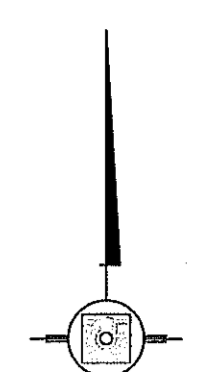
- 1. IMPROVEMENT WITHIN CITY R.O.W. SHALL COMPLY WITH TITLE 19-SUBDIVISION ORDINANCE-SUBDIVISION IMPROVEMENT DESIGN STANDARDS".
2. CONTRACTOR SHALL PROVIDE TEMPORARY MEASURES FOR THE MANAGEMENT OF STORM WATER RUNOFF ENTERING EXISTING AND ON SITE DURING THE COURSE OF THE CONSTRUCTION...
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION AND NOTIFICATION WITH ALL APPURTENANT UTILITY COMPANIES...
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL DATA SHOWN ON THE PLANS...
5. EQUIPMENT OF A CONDITION AND DESIGN SUFFICIENT TO ENSURE A THOROUGH AND WORKMANLIKE PROSECUTION OF THE PROJECT SHALL BE USED AT ALL TIMES.
6. ALL ELEVATIONS ARE TO CITY DATUM UNLESS OTHERWISE NOTED.
7. ALL WASTE MATERIALS INCLUDING EXCAVATION, CURBING, PAVEMENT, ETC. SHALL BE DISPOSED OF AS DESIGNATED...
8. THE CONTRACTOR SHALL NOTIFY THE OWNER, OR HIS REPRESENTATIVE, IN SUFFICIENT TIME IN ADVANCE OF DELIVERY OF MATERIALS...
9. SAFE AND REASONABLE ACCESS FOR THIS SITE MUST BE MAINTAINED AT ALL TIMES DURING THE LIFE OF THE PROJECT.
10. ANY CAVITY REMAINING OPEN DURING NONWORKING HOURS MUST BE GUARDED BY FLASHER TYPE BARRICADES WITH STRINGERS PLACED BETWEEN THE TOPS OF THE BARRICADES.
11. DEVELOPER SHALL COMPLY WITH SECTION 13.08.170 "EXCESSIVE PAVING CUTS" AS PER EL PASO MUNICIPAL CODE.

GENERAL EARTHWORK NOTES:

- 1. ALL GRADING SHALL CONFORM TO THE CITY OF EL PASO GRADING ORDINANCE SECTION 18.44.
2. THE CONTRACTOR SHALL CARRY ON HIS WORK WITH SPECIAL CARE AT ALL TIMES TO MAINTAIN THE NATURAL SURROUNDINGS AND EXISTING STRUCTURES...
3. NATURAL SUBGRADES TO SUPPORT STRUCTURAL FILL OR PAVEMENTS SHOULD BE STRIPPED OF ALL VEGETATION OR ORGANIC TOPSOIL...
4. TEMPORARY DUST AND EROSION CONTROL MEASURES SHALL BE PROVIDED FOR AT ALL TIMES.
5. ANY EROSION OF THE GRADED SITE DURING THE COURSE OF THE PROJECT SHALL BE CORRECTED PRIOR TO FINALIZATION OF THE PROJECT...
6. ALL SLOPES AND SWALES WITHIN LOTS SHALL BE MAINTAINED BY LOT OWNER.
CONSTRUCTION NOTES:
1. ALL CONCRETE FOR STRUCTURES SHALL BE 3000 PSI. UNLESS OTHERWISE NOTED.
2. MINIMUM COVER FOR REINFORCING STEEL SHALL BE 2" UNLESS OTHERWISE NOTED.
3. 95% COMPACTION REQUIRED FOR STRUCTURES AS PER ASTM D1657.
4. REINFORCING SHALL CONFORM TO THE REQUIREMENTS OF ASTM A616 GRADE 60.
5. RETAINING WALLS WILL BE REQUIRED WHERE THERE IS A GRADE DIFFERENCE OF 2 OR MORE FEET BETWEEN LOTS AND STREET...



SCALE: 1" = 100'



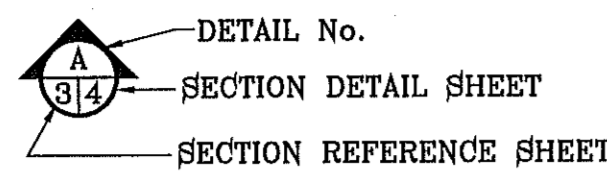
Project information block including: PROJECT NAME: TIERRA DEL ESTE UNIT 76, SCALE: 1"=100', DATE: MAY 2013, DESIGNED BY: Y.C., INITIATED BY: R.R., CHECKED BY: Y.C., JOB NO.: 113-36, CONDE INC. logo, SHEET TITLE: GRADING PLAN, SHT 5 OF 72.



SEE SHEET 51 FOR DRAINAGE STRUCTURES

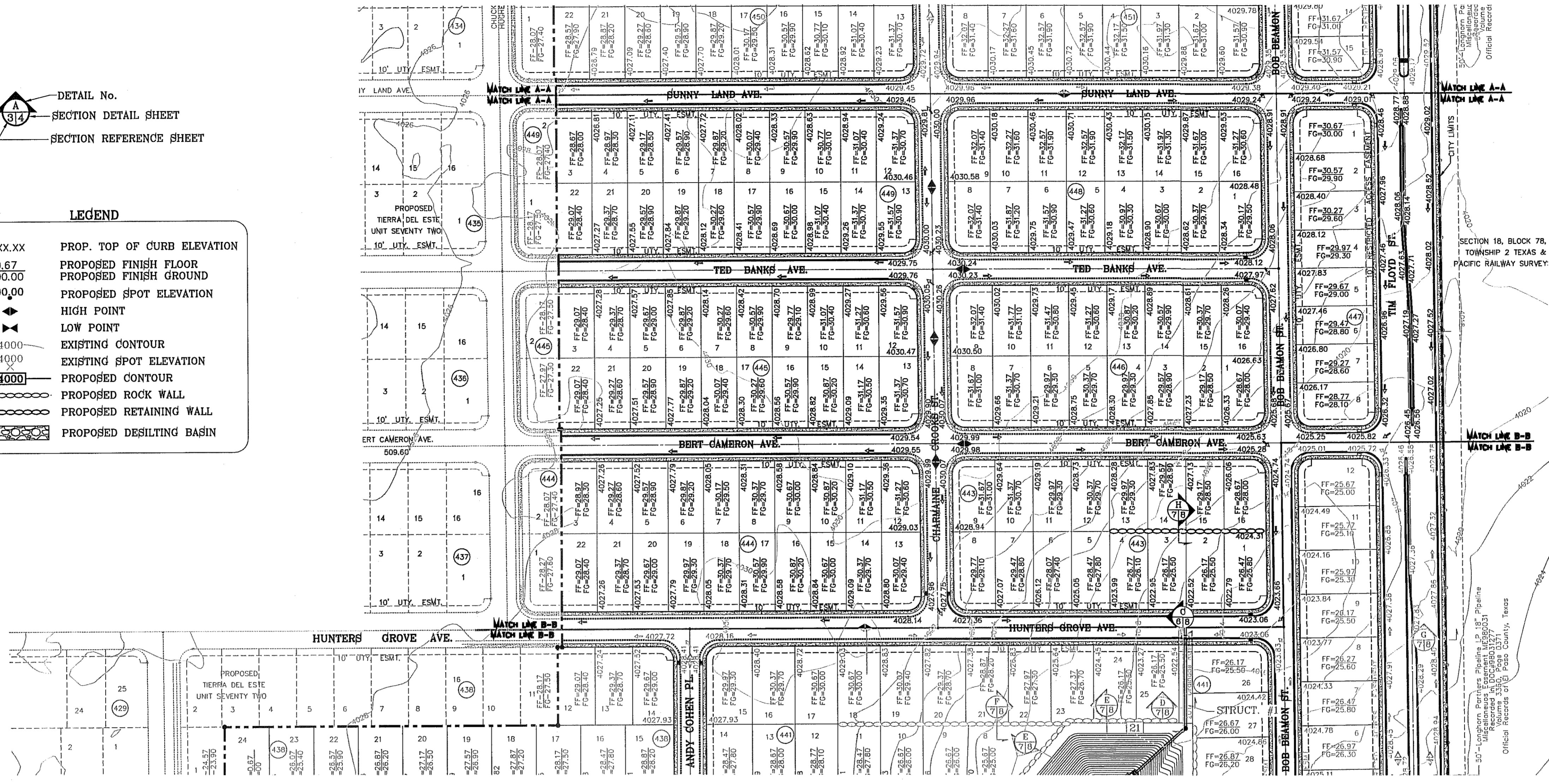
NOTE:

HEREON DESCRIBED TRACT LIES IN ZONE X, COMMUNITY PANEL NO. 480212 0176B, DATED SEPTEMBER 4, 1991.



LEGEND

- XXXX.XX PROP. TOP OF CURB ELEVATION
- FF=0.67 PROPOSED FINISH FLOOR
- FG=00.00 PROPOSED FINISH GROUND
- 00.00 PROPOSED SPOT ELEVATION
- ▲ HIGH POINT
- ▼ LOW POINT
- 4000 EXISTING CONTOUR
- 4000 EXISTING SPOT ELEVATION
- 4000 PROPOSED CONTOUR
- PROPOSED ROCK WALL
- PROPOSED RETAINING WALL
- PROPOSED DESILTING BASIN



SCALE: 1" = 100'



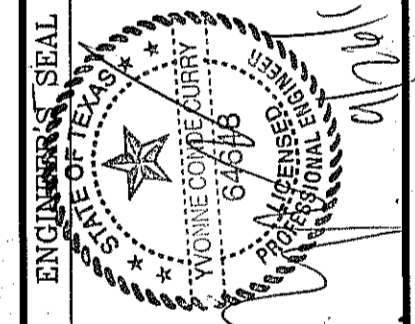
BENCHMARK

CITY MONUMENT AT THE CENTERLINE INTERSECTION OF RALPH SEITZINGER DR. AND GALICIANO PL. ELEVATION 4025.93

DATE	REVISIONS
03/05/14	POND SIZE INCREASE AND SLOPE CHANGE TO 3:1 R.R.

PROJECT NAME
TERRA DEL ESTE UNIT 76
BRING PORTION OF SECTION 18, BLOCK 76, AND PORTION OF SECTIONS 37 AND 46, AND BLOCK 79, TOWNSHIP 2, TEXAS AND PACIFIC RAILWAY CO. SURVEYS, CITY OF EL PASO, EL PASO COUNTY, TEXAS CONTAINING: 86.09± ACRES

SCALE
HORIZ: 1"=100'
VERT: 1"=10'
DATE: MAY 2013
DESIGN BY: Y.C.
INITIATED BY: R.R.
CHECKED BY: Y.C.
JOB NO.: 113-05



CONDE INC.
ENGINEERING / PLANNING
SURVEYING / GPS
6080 SURETY DR. STE 100
EL PASO, TEXAS 79905
PHONE: (915) 592-0283
FAX: (915) 592-0286



SHEET TITLE
GRADING PLAN

SEE SHEET 51 FOR DRAINAGE STRUCTURES

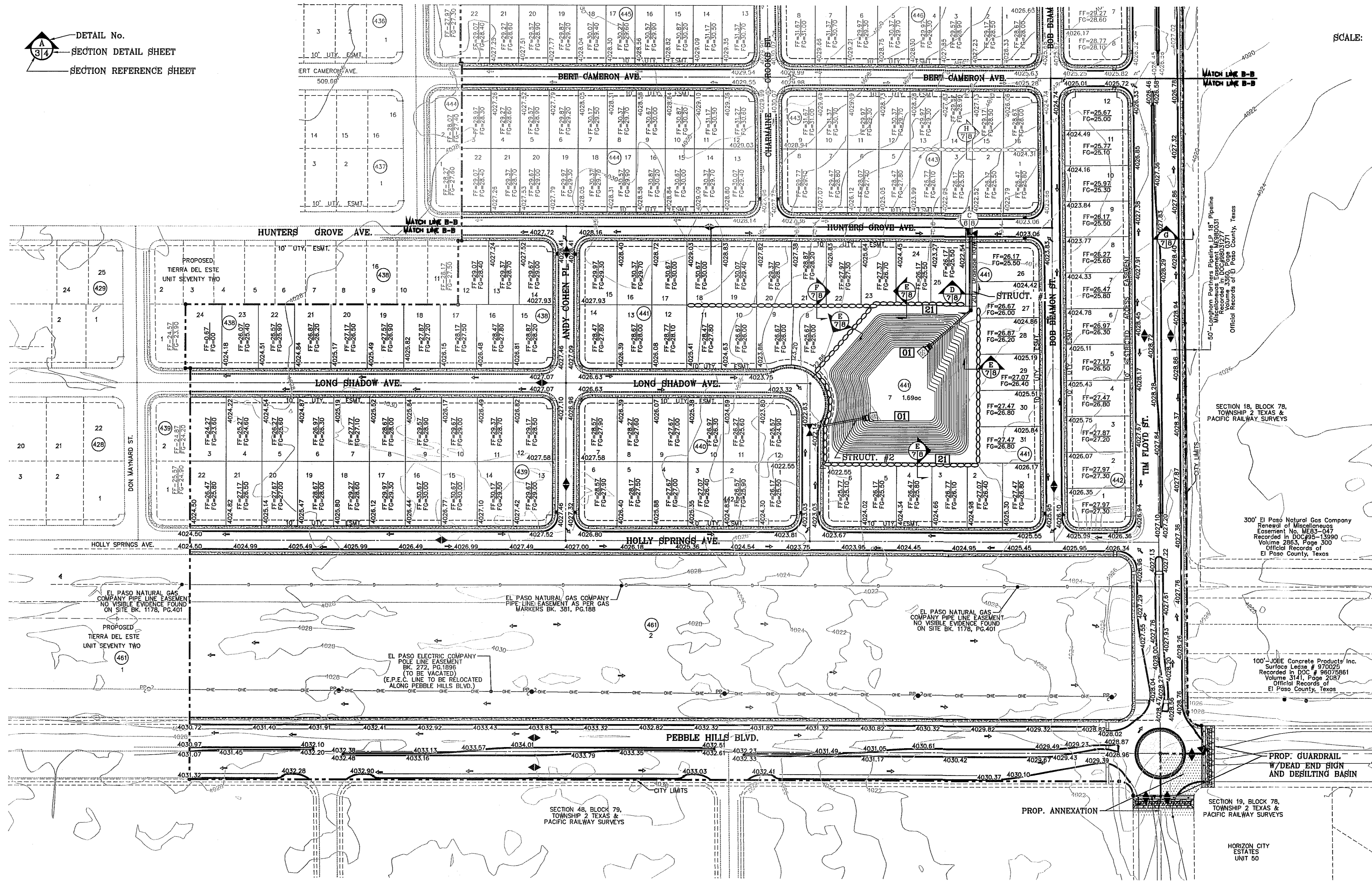
NOTE:

HEREON DESCRIBED TRACT LIES IN ZONE X, COMMUNITY PANEL NO. 480212 0176B, DATED SEPTEMBER 4, 1991.

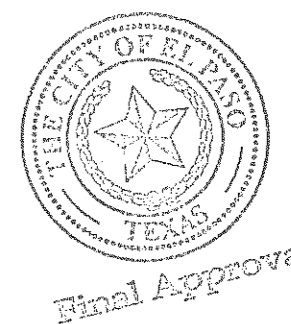
LEGEND

- XXXX.XX PROP. TOP OF CURB ELEVATION
- FF=0.67 PROPOSED FINISH FLOOR
- FG=00.00 PROPOSED FINISH GROUND
- 00.00 PROPOSED SPOT ELEVATION
- ▲ HIGH POINT
- ▼ LOW POINT
- 1000 EXISTING CONTOUR
- 4000 PROPOSED CONTOUR
- PROPOSED ROCK WALL
- PROPOSED RETAINING WALL
- PROPOSED DESILTING BASIN

DETAIL No. SECTION DETAIL SHEET SECTION REFERENCE SHEET



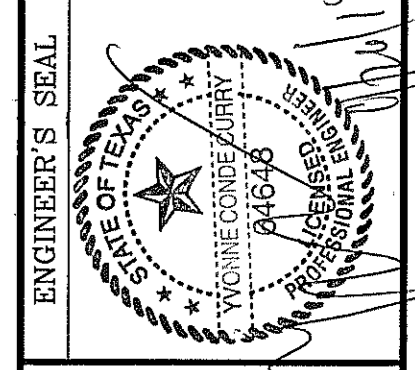
SCALE: 1" = 100'



BENCHMARK	CITY MONUMENT AT THE CENTERLINE INTERSECTION OF RALPH SEITZINGER DR. AND GALICENO PL. ELEVATION 4025.63
DATE	03/05/14
REVISIONS	REVISIONS TO LOTS ON BLOCKS 498-442
BY	R.R.
R.R.	

PROJECT NAME
TERRA DEL ESTE UNIT 76
 BEING PORTION OF SECTION 18, BLOCK 76, AND PORTION OF SECTION 19, BLOCK 48, AND BLOCK 79, TOWNSHIP 2, TEXAS AND PACIFIC RAILWAY CO. SURVEYS, CITY OF EL PASO, EL PASO COUNTY, TEXAS CONTAINING: 86.09± ACRES

SCALE
 HORIZ: 1" = 100'
 VERT: 1" = 10'
 DATE: MAY 2013
 DESIGN BY: Y.C.
 INITIATED BY: R.R.
 CHECKED BY: Y.C.
 JOB NO.: 113-96

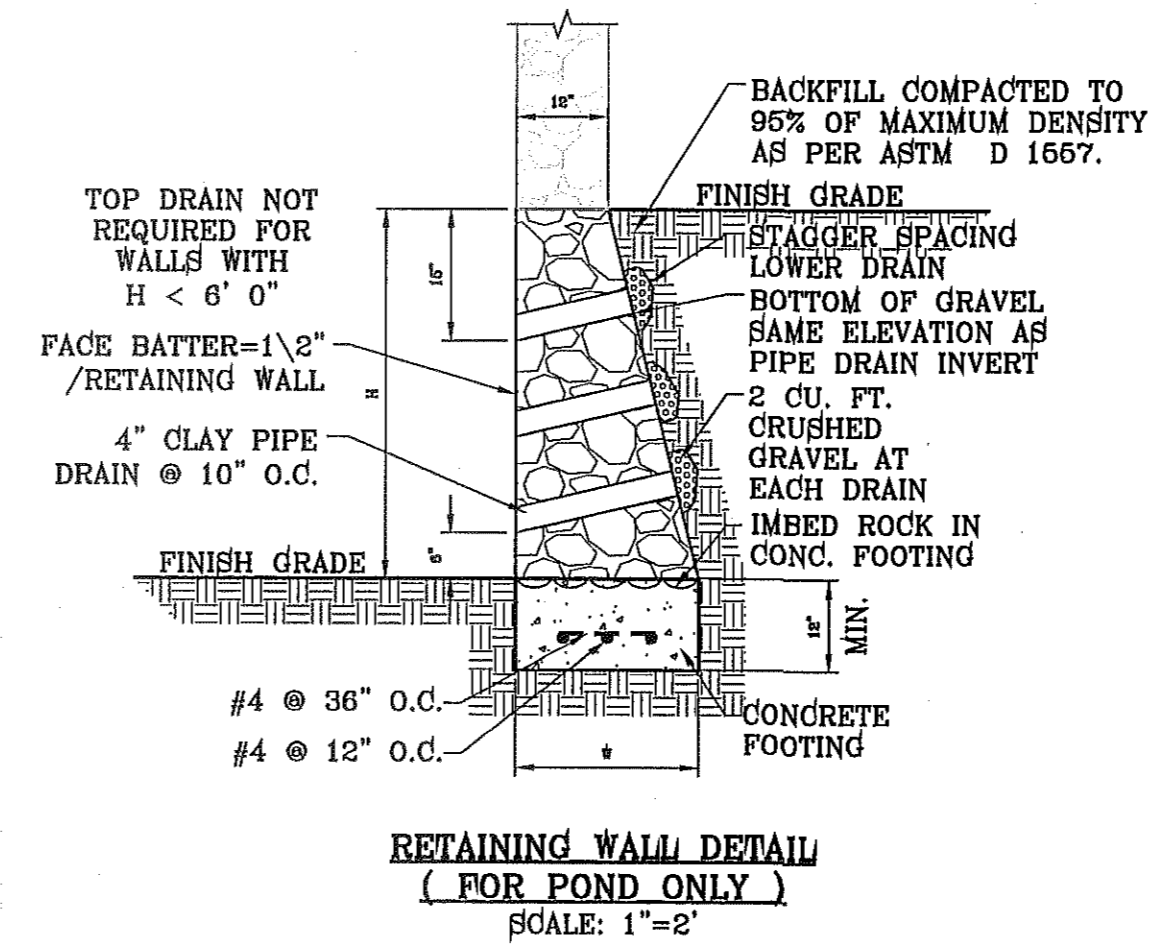
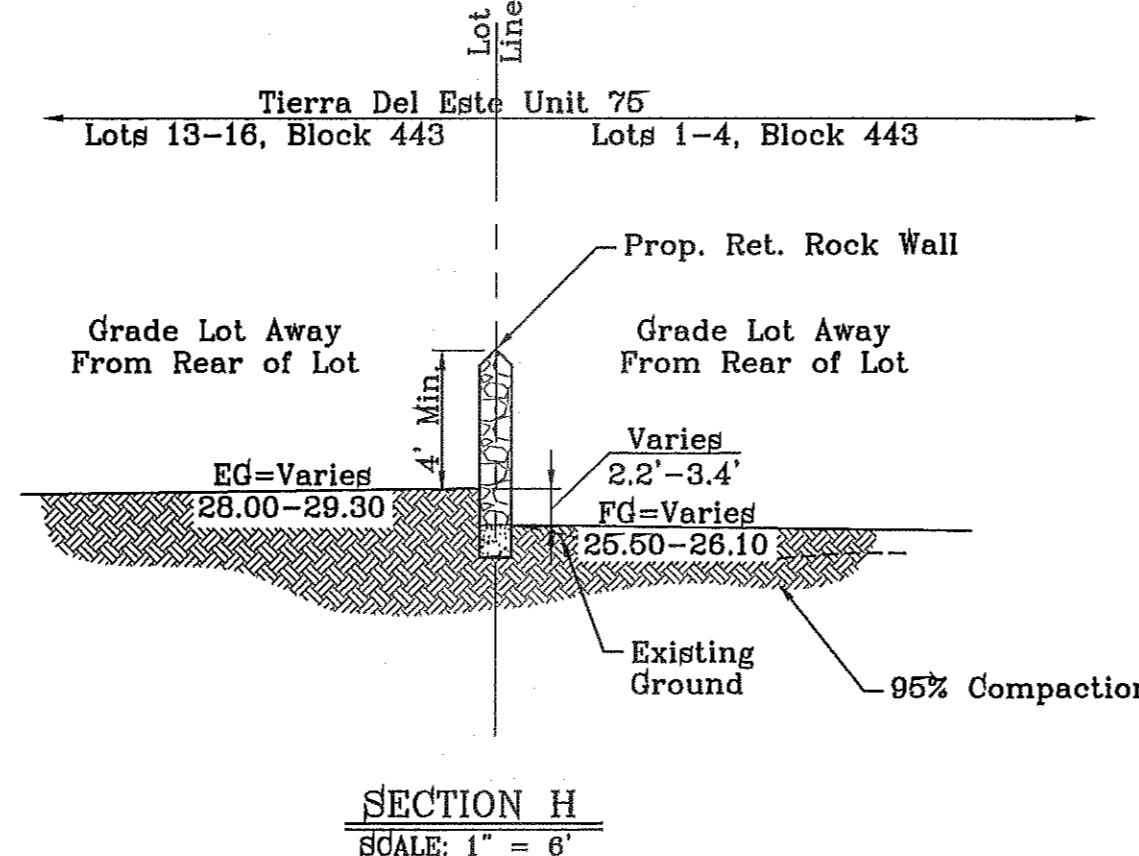
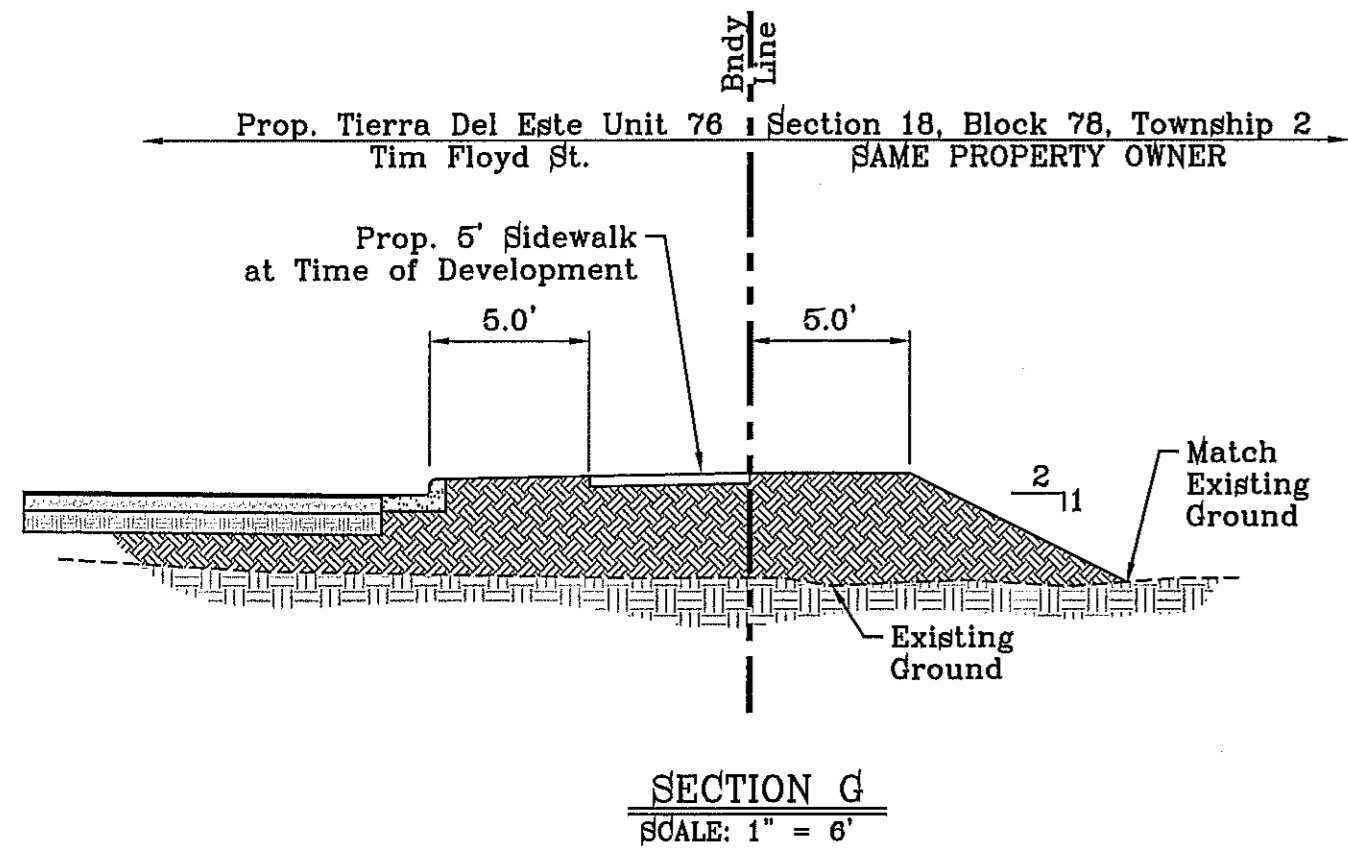
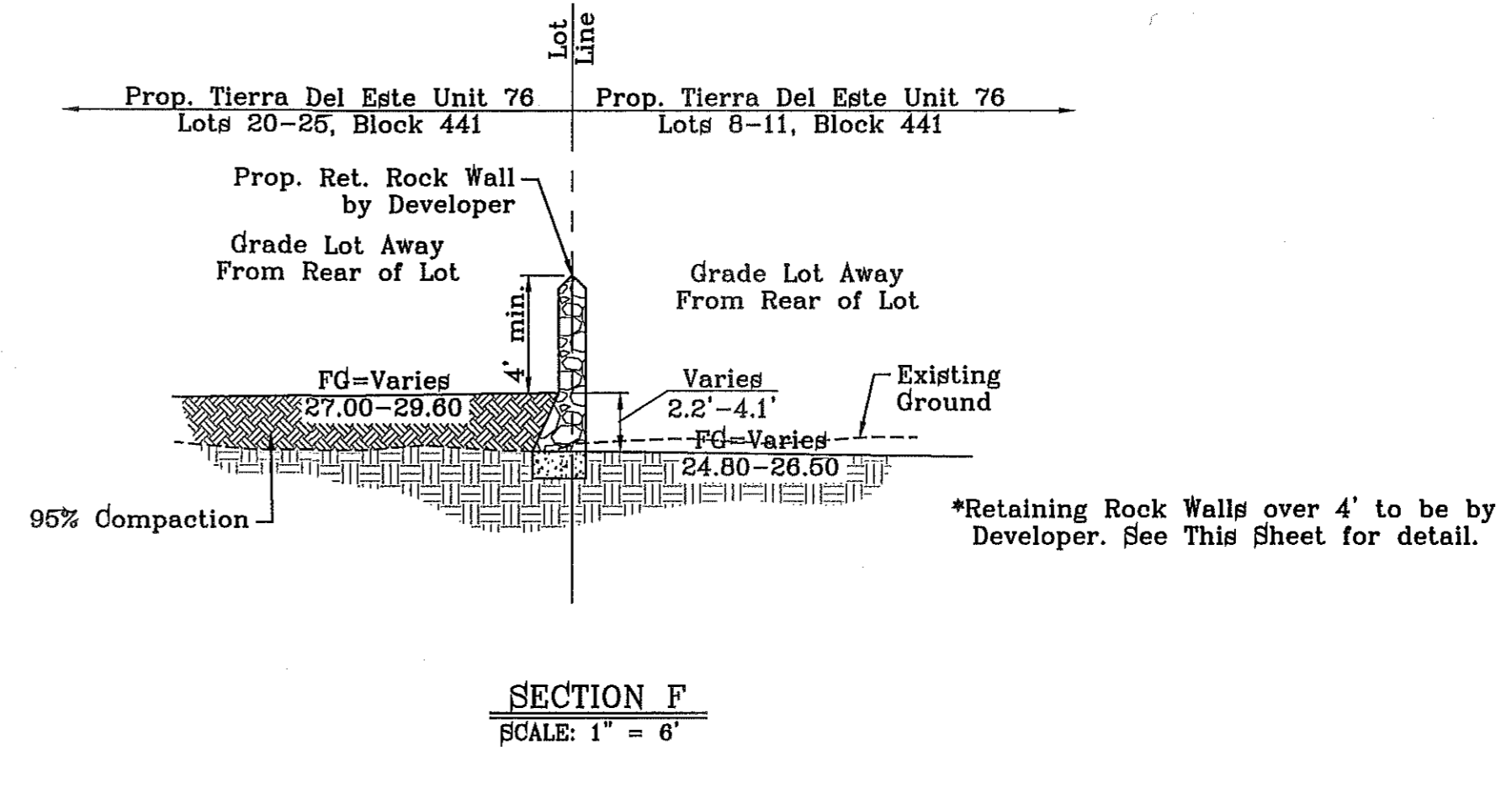
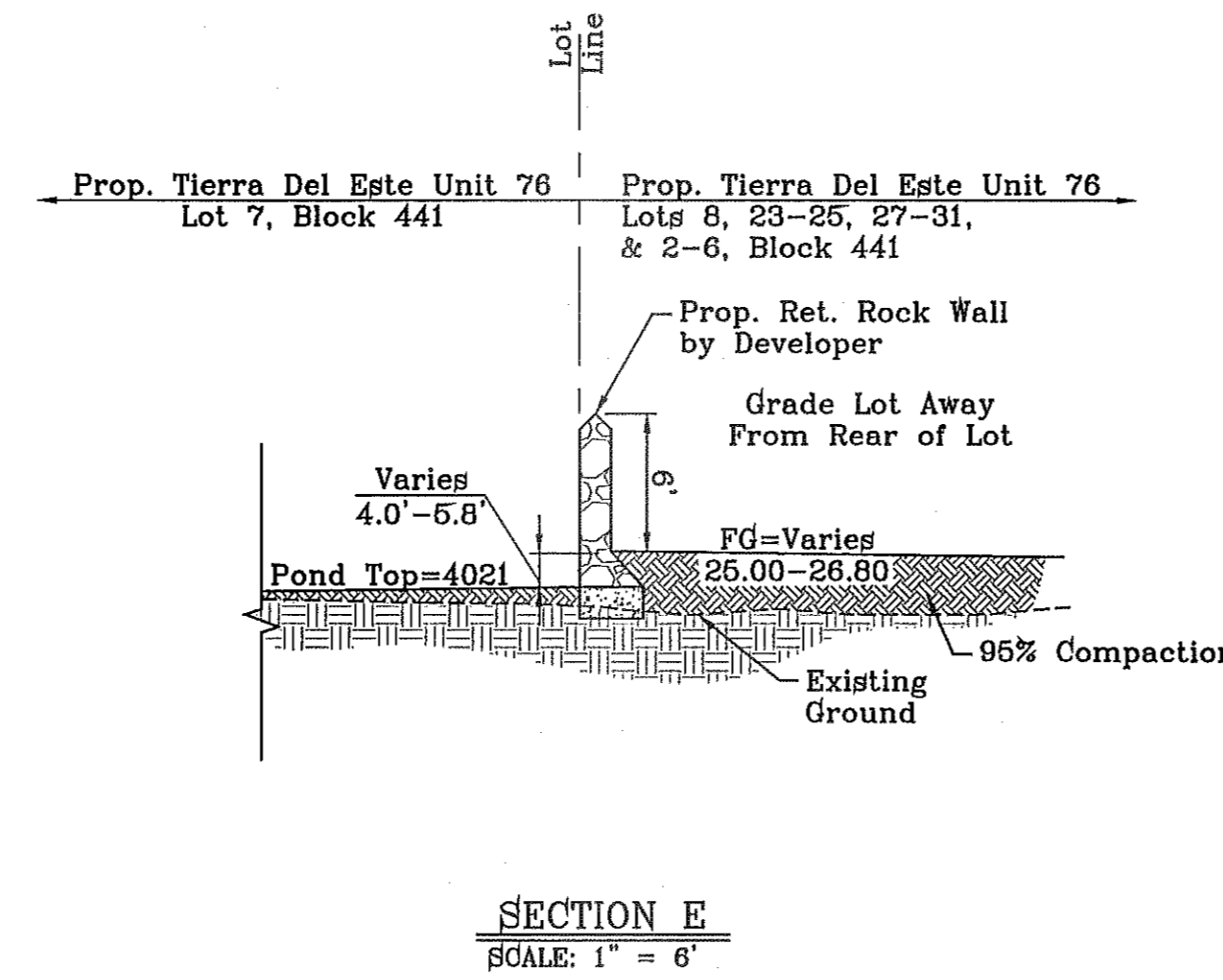
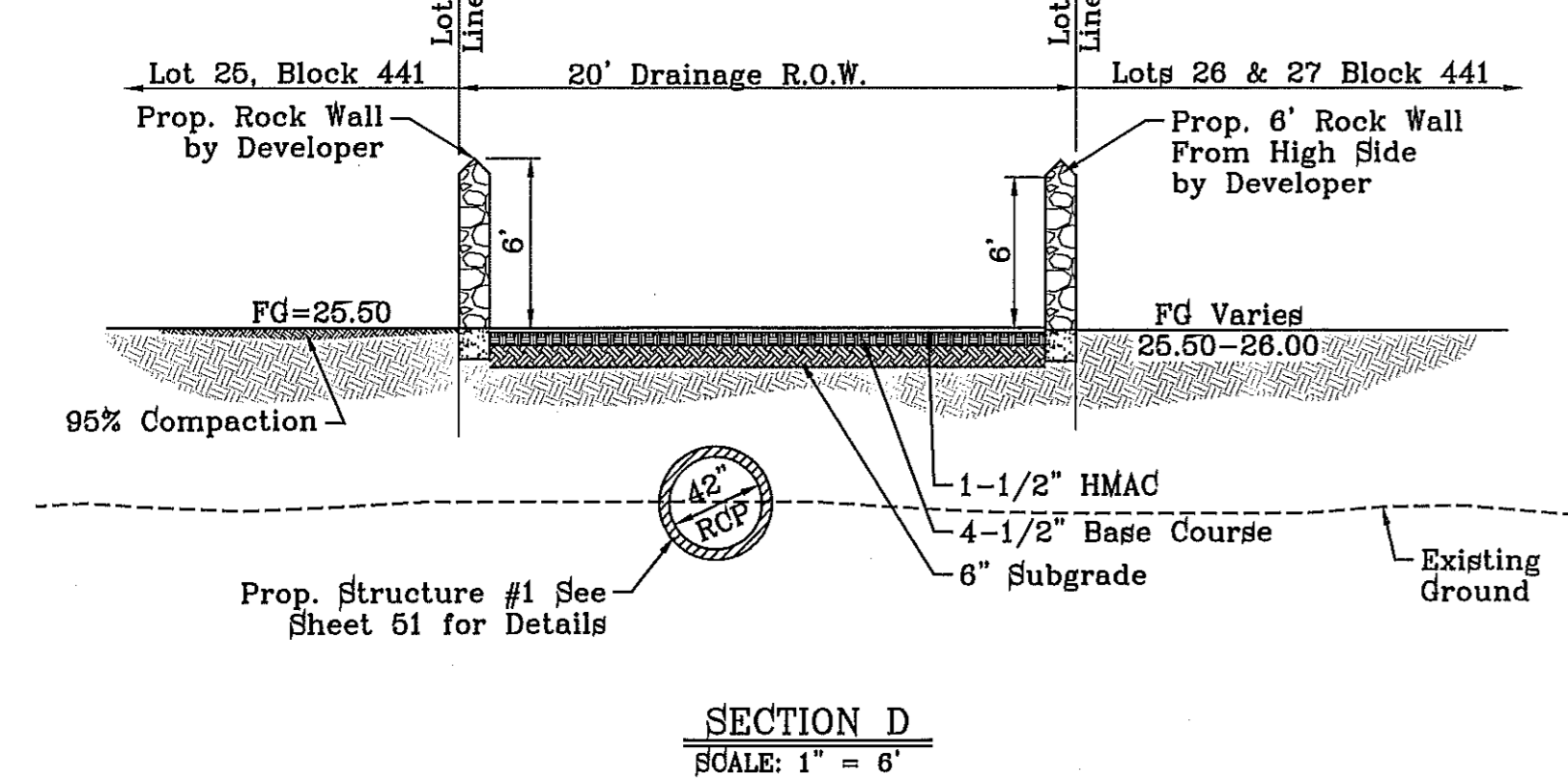
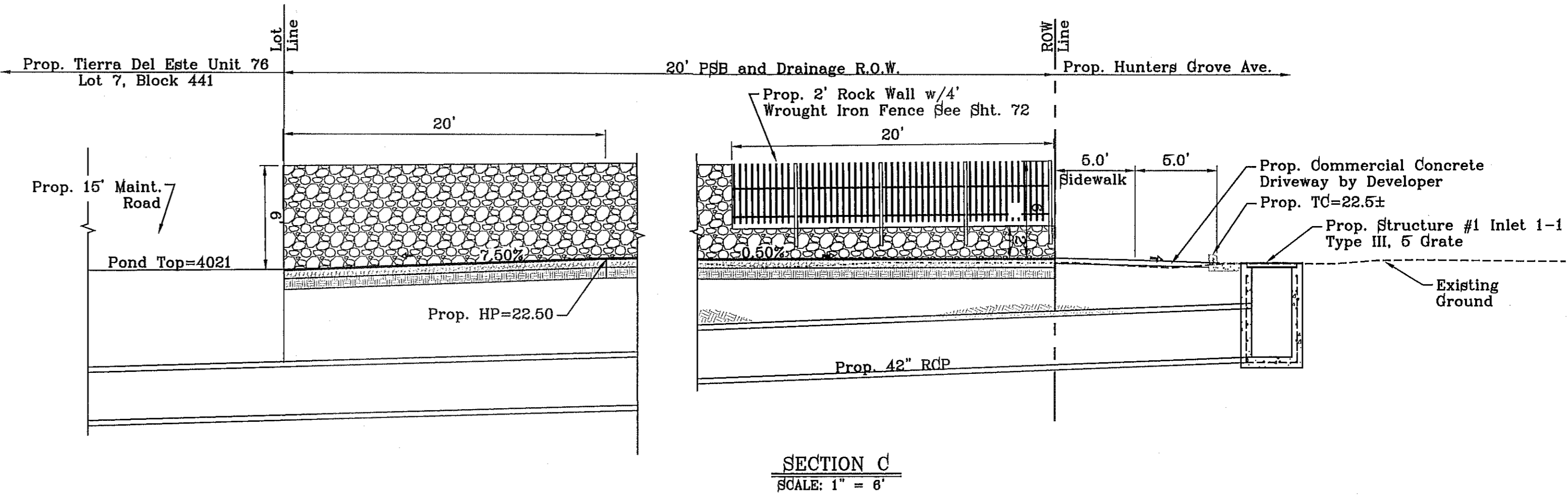
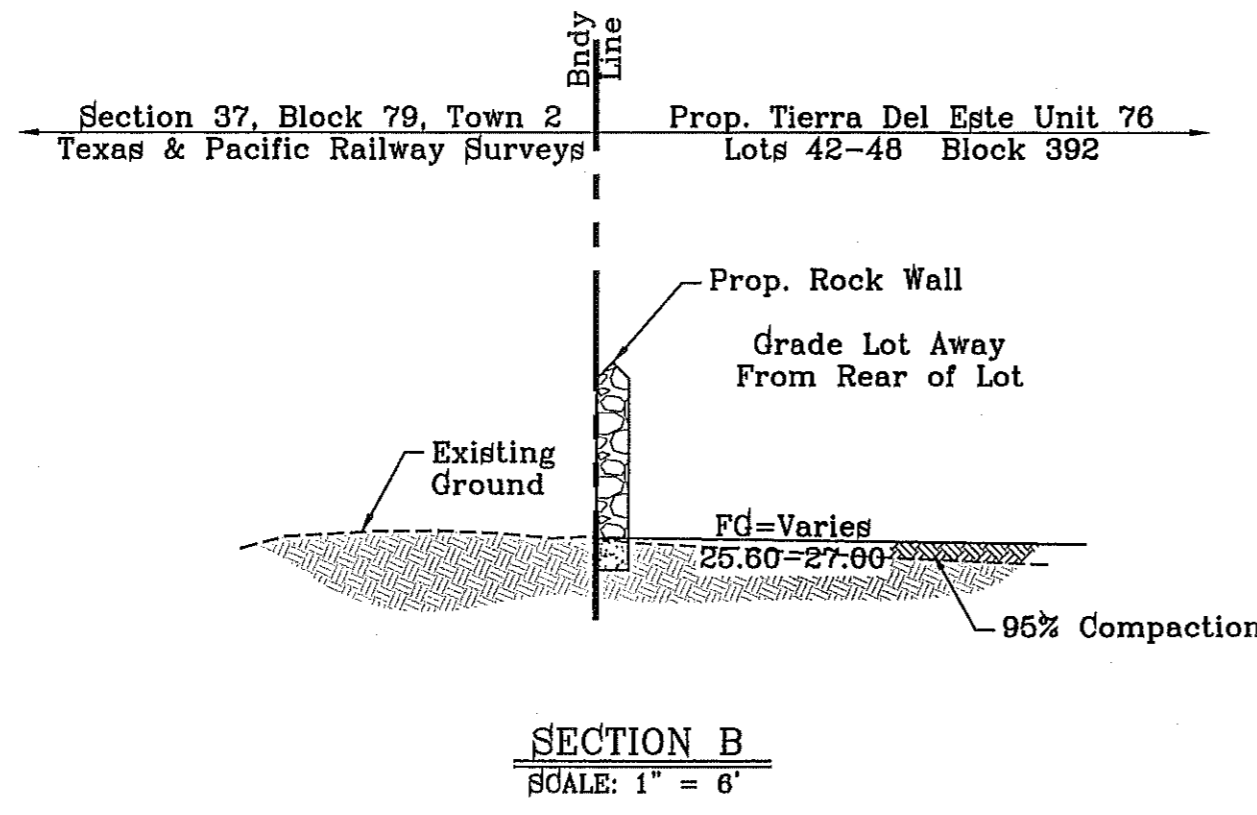
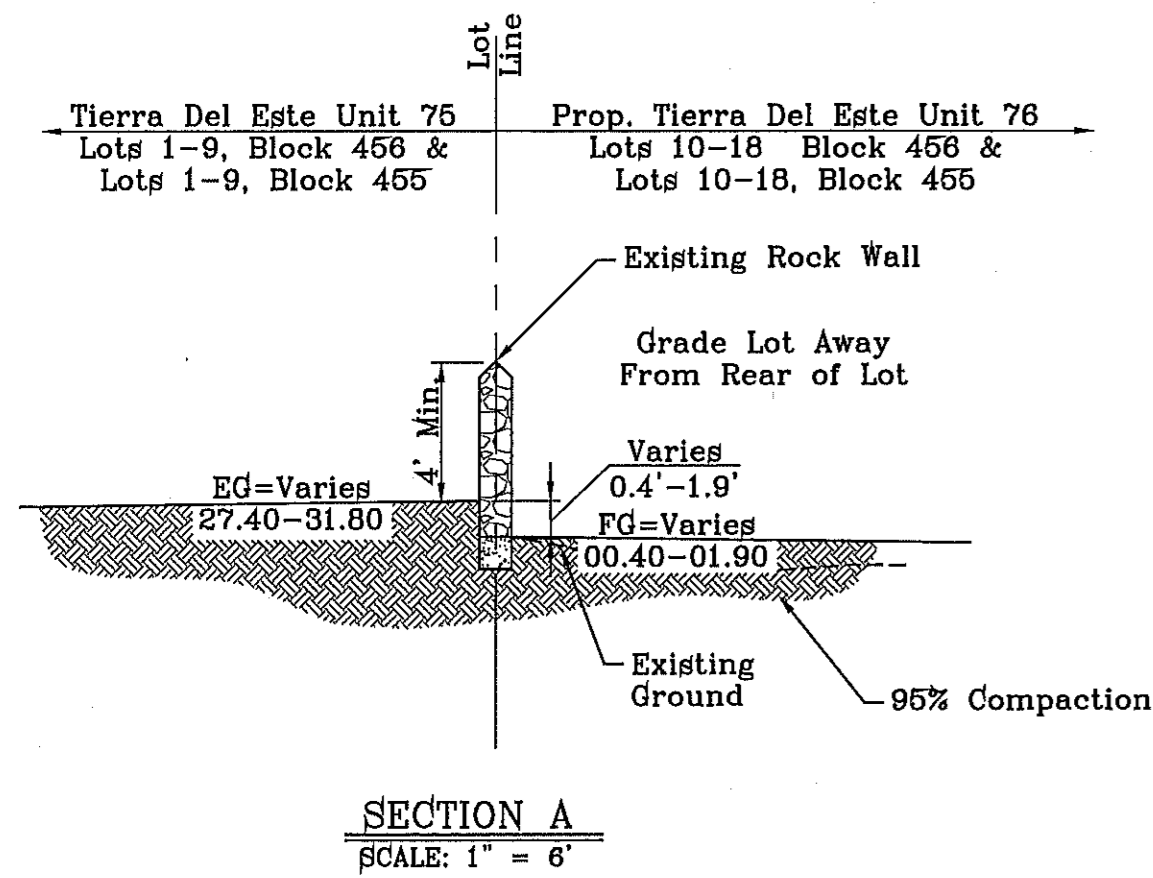


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SHEET TITLE
GRADING PLAN
 SHT 7 OF 72

FILE LOCATION: s:\Subdivisions\TDE 76\DWG\G-SEC PLOTTED ON Tuesday, September 23, 2014 8:41:58 AM BY RUBEN RIVERA



RETAINING WALL TABLE

HEIGHT H (ft.)	BASE WIDTH W (ft.)	TOE PRESSURE (lbs/s.f.)	HEEL PRESSURE (lbs/s.f.)
2'-7"	1'-0"	2300	0
3'-0"	1'-4"	2038	0
4'-0"	2'-6"	1875	0
5'-0"	3'-3"	1670	37
6'-0"	4'-0"	1870	70

NOTE:
ALL RETAINING WALLS EQUAL TO 4' OR MORE ARE TO BE BY DEVELOPER

ROCKWALL & RETAINING WALL NOTES

1. NATURAL STONE SHALL BE SOUND AND FREE FROM LOOSE OR FRIABLE INCLUSIONS AND SHALL MEET REQUIRED STRENGTH AND DURABILITY FOR PROPOSED USE.
2. MORTAR SHALL BE ASTM C-20 - 1800 PSI MORTAR.
3. CONCRETE SHALL BE F' C = 3000 PSI AT 28 DAYS.
4. REINFORCING STEEL SHALL BE ASTM A 615 GRADE 40, F_y = 40,000 PSI
5. ALLOWABLE SOIL BEARING PRESSURE = 2,400 PSF MINIMUM.
6. WALL FOOTING SHALL BEAR ON FIRM UNDISTURBED OR COMPACTED GROUND (95% COMPACTION AS PER ASTM D1557).
7. CHANGES IN ALL DIRECTION, WALL HEIGHT OR FOOTING ELEVATION WILL REQUIRE ADDITIONAL DESIGN.
8. BACKFILL MATERIAL SHALL CONSIST OF WELL-DRAINED, COARSE GRAINED SOILS, OR FINE SILTY SANDS WITH NO CLAY CONTENT. BACKFILL MATERIAL SHALL EXERT A HORIZONTAL FORCE OF AN EQUIVALENT FLUID PRESSURE NOT TO EXCEED 30#/ft.
9. SOILS BENEATH AND BEHIND WALL SHALL NOT HAVE A PLASTICITY INDEX GREATER THAN 12
10. SURCHARGE LOADS WILL REQUIRE ADDITIONAL DESIGN.



BENCHMARK

CITY MONUMENT AT THE CENTERLINE INTERSECTION OF RALPH SEUTSINGER DR. AND GALICENO PL. ELEVATION 4025.85

DATE: 09/05/14

REVISIONS:

BY: R.R.

R.R.

PROJECT NAME
TIERRA DEL ESTE UNIT 76

DESCRIPTION
BEING PORTION OF SECTIONS 18, BLOCK 78, AND BLOCK 79, TOWNSHIP 2, TEXAS AND PACIFIC RAILWAY CO. SURVEYS CITY OF EL PASO, EL PASO COUNTY, TEXAS CONTAINING: 86.09± ACRES

SCALE
HORIZ: as shown
VERT: shown

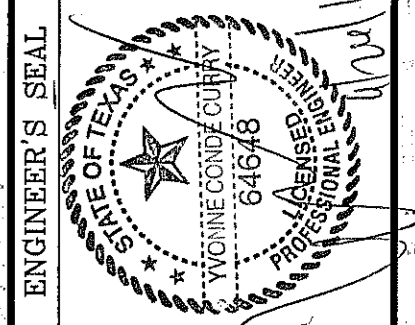
DATE: MAY 2013

DESIGN BY: Y.C.

INITIATED BY: R.R.

CHECKED BY: Y.C.

JOB NO.: 113-85



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FAX: (915) 692-0286



SHEET TITLE

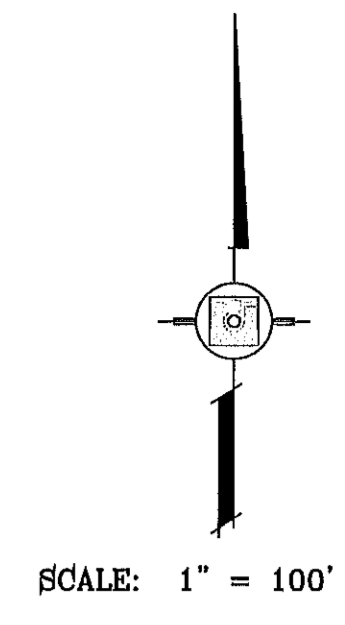
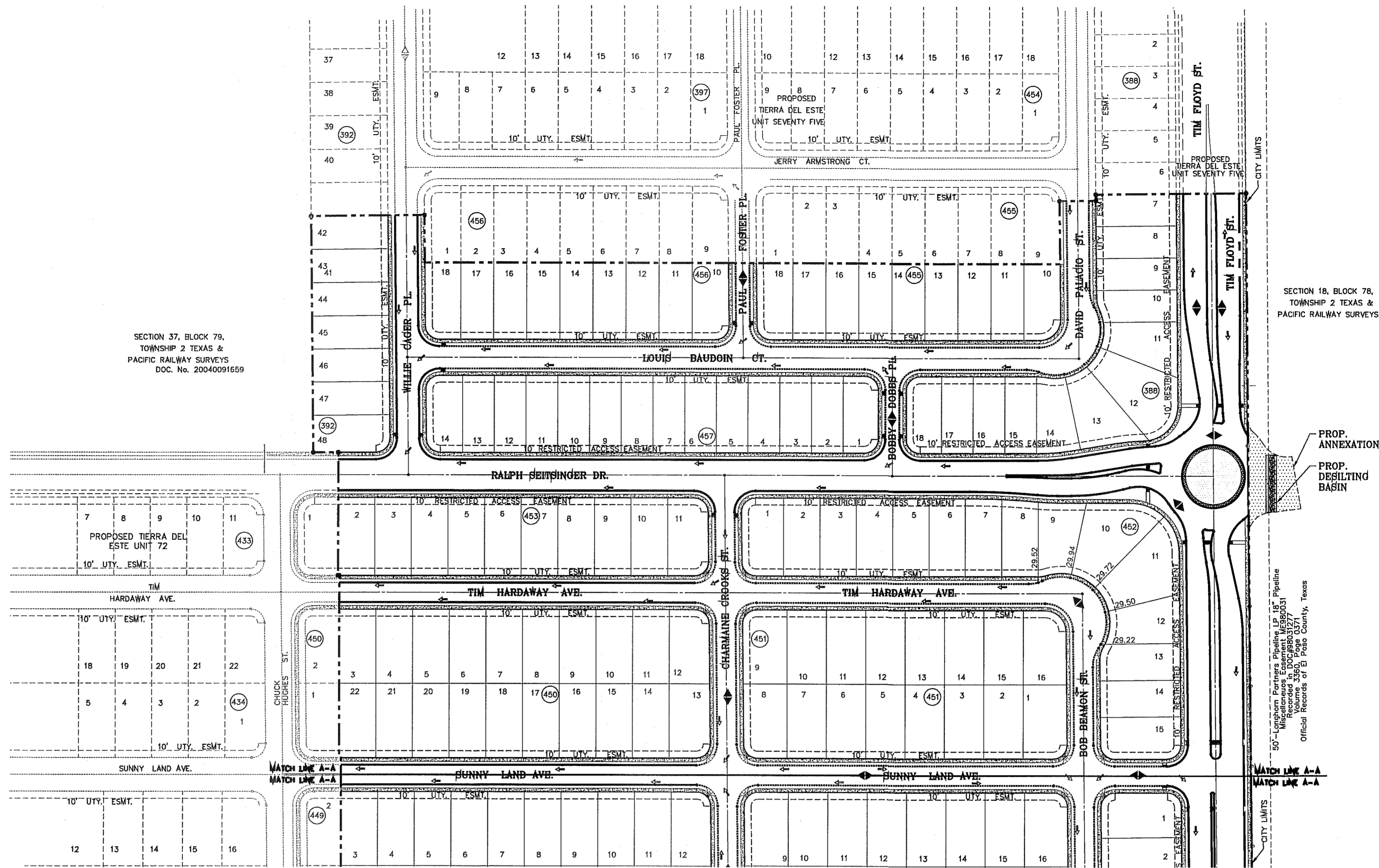
GRADING SECTIONS

FILE LOCATION S:_Subdivisions\TDE 76\DWG\GDPL PLOTTED ON Tuesday, September 23, 2014 8:42:02 AM BY RUBEN RIVERA

LEGEND

Q	RUN-OFF QUANTITY (CUBIC Ft./Sec)
A	WATERSHED AREA (ACRES)
▲	HIGH POINT
▼	LOW POINT
→	DRAINAGE FLOW
→	PROPOSED DRAINAGE AREA

NOTE:
HEREON DESCRIBED TRACT LIES IN ZONE X, COMMUNITY PANEL NO. 480212 0176B. DATED SEPTEMBER 4, 1991.



SECTION 37, BLOCK 79, TOWNSHIP 2 TEXAS & PACIFIC RAILWAY SURVEYS DOC. No. 20040091659

SECTION 18, BLOCK 78, TOWNSHIP 2 TEXAS & PACIFIC RAILWAY SURVEYS

NOTE:
TDE 72 AND TDE 75 MUST BE DEVELOPED BEFORE OR CONCURRENT WITH TDE 76

DRAINAGE CALCULATION TABLE

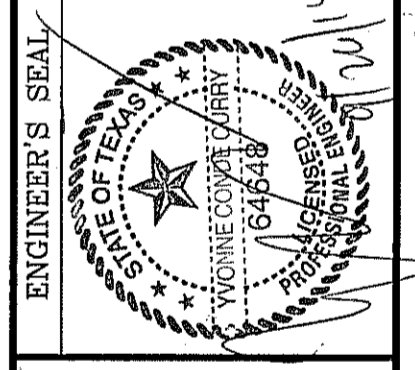
DRAINAGE AREA	AREA (acres)	Tc (min)	d	I ₅₀ (in/hr)	Q ₅₀ (cfs)	I ₁₀₀ (in/hr)	Q ₁₀₀ (cfs)	
I	0.02	5	0.95	5.14	0.10	6.15	0.12	
II	0.37	5	0.95	5.14	1.81	6.15	2.16	
III	8.22	30	0.60	2.95	14.55	3.57	17.61	
IV	2.22	30	0.95	2.95	6.22	3.57	7.53	
V	6.59	30	0.60	2.95	11.66	3.57	14.12	
VI	4.47	27	0.60	3.10	8.31	3.76	10.08	
VII	3.50	25	0.60	3.21	6.74	3.89	8.17	
VIII	3.38	25	0.60	3.21	6.51	3.89	7.89	
IX	2.82	26	0.60	3.16	5.35	3.82	6.46	
X	4.13	28	0.60	3.05	7.56	3.69	9.14	
XI	1.75	27	0.60	3.10	3.26	3.76	3.95	
XII	1.59	11	0.95	4.35	6.57	5.23	7.90	
XIII	3.51	30	0.95	2.95	9.84	3.57	11.90	
XIV	17.64	30	0.60	2.95	30.53	3.57	36.95	
XV	8.15	30	0.60	2.95	14.43	3.57	17.46	
XVI	4.60	20	0.95	3.54	15.47	4.28	18.70	
OFFSITE I (AS PER TDE 72)	2.98	20	0.95	3.54	10.02	4.28	12.12	
OFFSITE II	5.14	28	0.95	3.05	14.89	3.69	18.02	
POND	1.69	SEE POND SHEET FOR DETAILS						
LINEAR PARK	3.32							

BENCHMARK

CITY MONUMENT AT THE CENTERLINE INTERSECTION OF RALPH SEIFINGER DR. AND GALICENO PL. ELEVATION 4025.83NAVD83 DATUM
DATE	REVISIONS
05/05/14	POND SIZE INCREASE AND SLOPE CHANGE TO 3:1
9/15/14	REVISIONS TO LOTS ON BLOCKS 438-442
	R.R.
	R.R.

PROJECT NAME
TIERRA DEL ESTE UNIT 76
BEING PORTION OF SECTION 18, BLOCK 78, AND PORTION OF SECTIONS 37 AND 48, BLOCK 79, TOWNSHIP 2, TEXAS AND PACIFIC RAILWAY CO. SURVEYS, CITY OF EL PASO, EL PASO COUNTY, TEXAS CONTAINING: 86.09± ACRES

SCALE
HORIZ: 1" = 100'
VERT: ---
DATE: MAY 2013
DESIGN BY: Y.C.
INITIATED BY: R.R.
CHECKED BY: Y.C.
JOB NO.: 113-56



CONDE INC.
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6080 SURETY DR. STE. 100
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SHEET TITLE
DRAINAGE PLAN

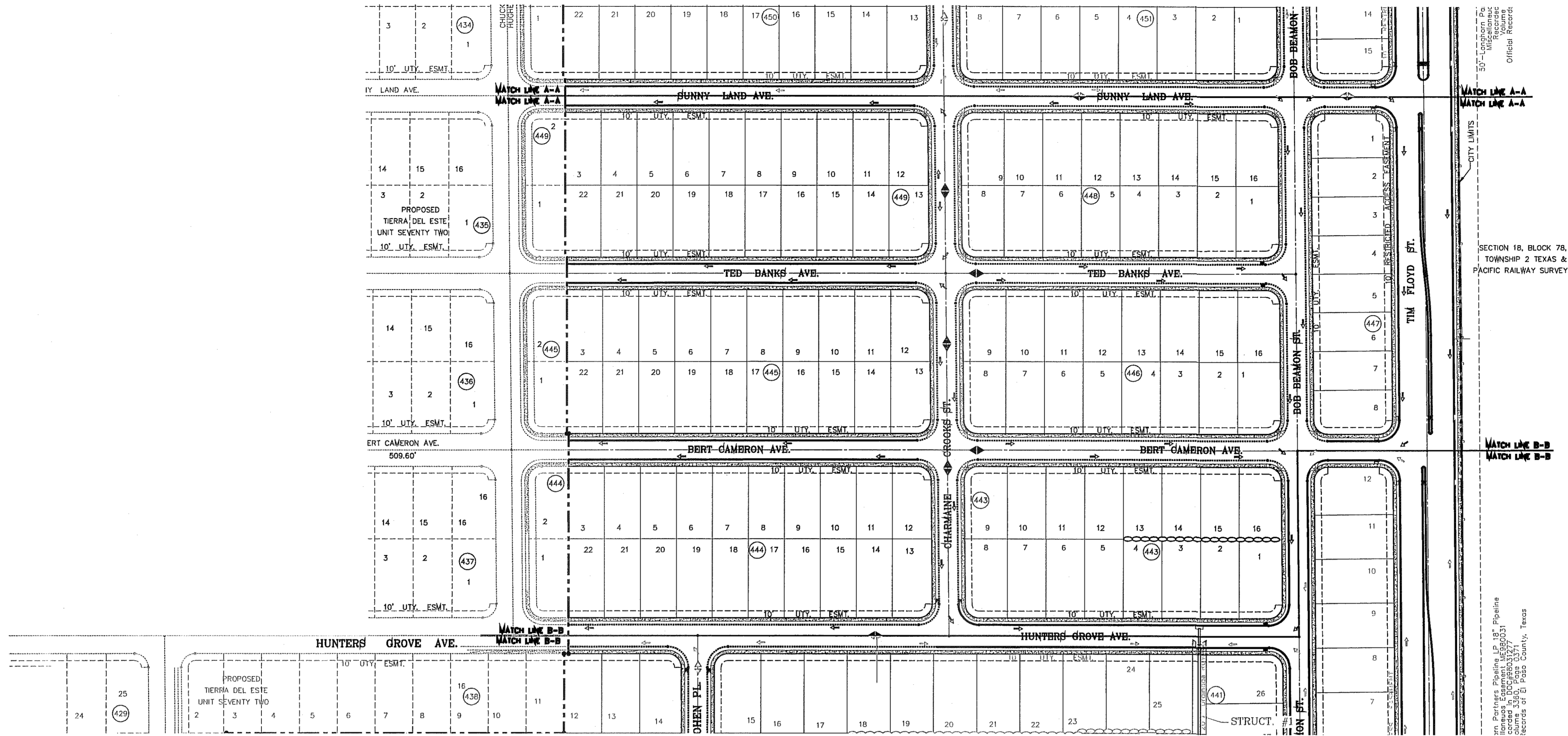


SEE SHEET 51 FOR DRAINAGE STRUCTURES

NOTE:
HEREON DESCRIBED TRACT LIES IN ZONE X, COMMUNITY PANEL NO. 480212 0175B, DATED SEPTEMBER 4, 1991.

LEGEND

FF=0.67	PROPOSED FINISH FLOOR
FG=00.00	PROPOSED FINISH GROUND
00.00	PROPOSED SPOT ELEVATION
▲	HIGH POINT
▼	LOW POINT
—4000—	EXISTING CONTOUR
—4000	EXISTING SPOT ELEVATION
—4000	PROPOSED CONTOUR
—○—	PROPOSED ROCK WALL
—○—	PROPOSED RETAINING WALL



DRAINAGE CALCULATION TABLE

DRAINAGE AREA	AREA (acres)	Tc (min)	C	I ₁₀₀ (in/hr)	Q ₁₀₀ (cfs)	I ₁₀₀ (in/hr)	Q ₁₀₀ (cfs)
I	0.02	5	0.95	5.14	0.10	6.15	0.12
II	0.37	5	0.95	5.14	1.81	6.15	2.16
III	8.22	30	0.60	2.95	14.65	3.57	17.61
IV	2.22	30	0.95	2.95	6.22	3.57	7.53
V	6.59	30	0.60	2.95	11.66	3.57	14.12
VI	4.47	27	0.60	3.10	8.31	3.76	10.08
VII	3.50	25	0.60	3.21	6.74	3.89	8.17
VIII	3.38	25	0.60	3.21	6.51	3.89	7.89
IX	2.82	26	0.60	3.16	5.35	3.82	6.46
X	4.13	28	0.60	3.05	7.56	3.69	9.14
XI	1.75	27	0.60	3.10	3.26	3.76	3.95
XII	1.59	11	0.95	4.35	6.57	5.23	7.90
XIII	3.51	30	0.95	2.95	9.84	3.57	11.90
XIV	17.64	30	0.60	2.95	30.53	3.57	36.95
XV	8.16	30	0.60	2.95	14.43	3.57	17.46
XVI	4.60	20	0.95	3.54	15.47	4.28	18.70
OFFSITE I (AS PER TDE 72)	2.98	20	0.95	3.54	10.02	4.28	12.12
OFFSITE II	5.14	28	0.95	3.05	14.89	3.69	18.02
POND	1.69	SEE POND SHEET FOR DETAILS					
LINEAR PARK	3.32						

NOTE:
TDE 72 AND TDE 75 MUST BE DEVELOPED BEFORE OR CONCURRENT WITH TDE 76



REVISIONS

DATE	BY	REVISIONS
05/05/14	R.R.	POND SIZE INCREASE AND SLOPE CHANGE TO 3:1

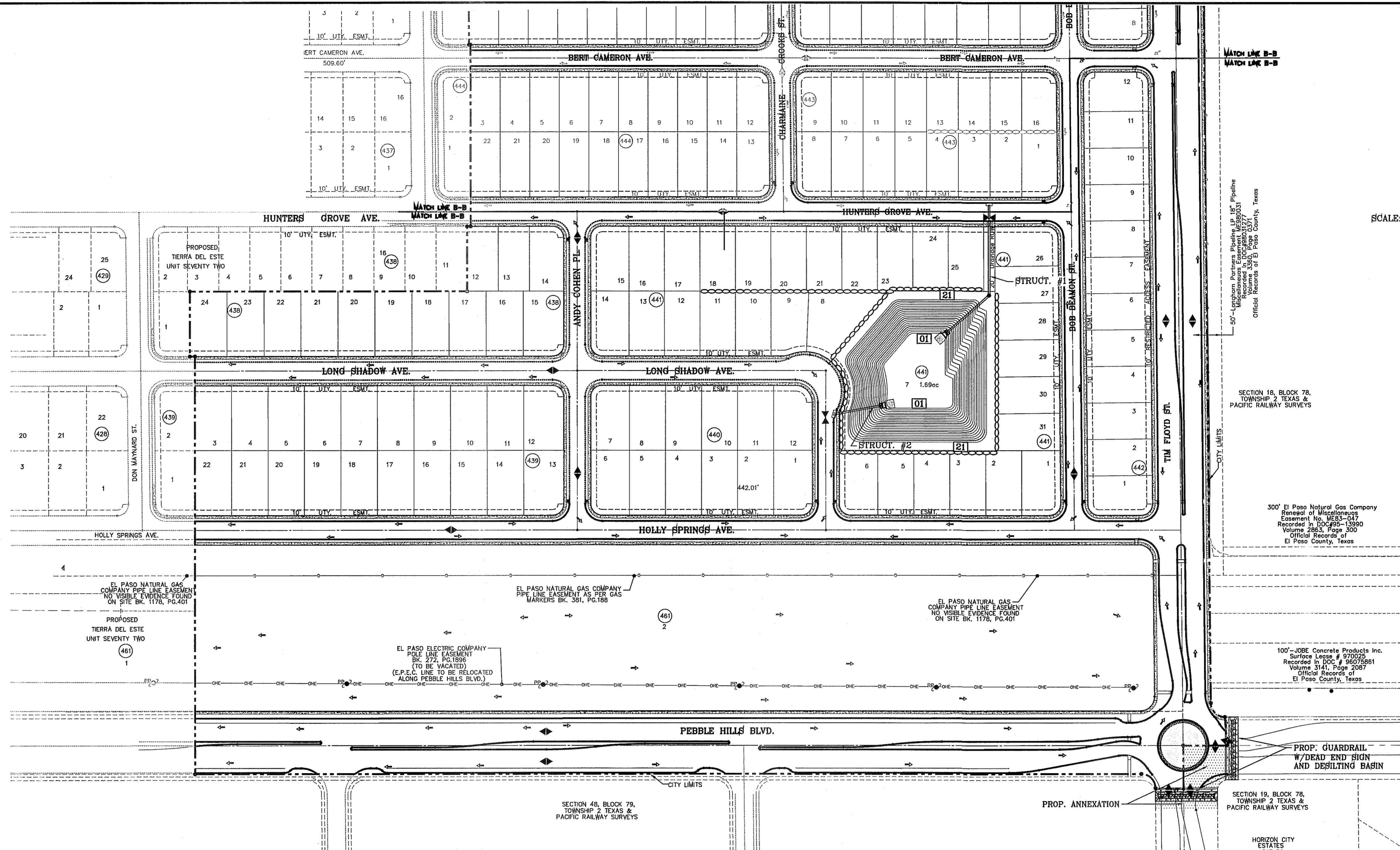
PROJECT NAME
TIERRA DEL ESTE UNIT 76
BEING PORTION OF SECTION 18, BLOCK 78, AND PORTION OF SECTIONS 37 AND 48, BLOCK 79, TOWNSHIP 2, TEXAS AND PACIFIC RAILWAY CO. SURVEYS, CITY OF EL PASO, EL PASO COUNTY, TEXAS CONTAINING: 86.09± ACRES

SCALE
HORIZ: 1" = 100'
VERT: ---
DATE: MAY 2013
DESIGN BY: Y.C.
INITIATED BY: R.R.
CHECKED BY: Y.C.
JOB NO.: 113-36

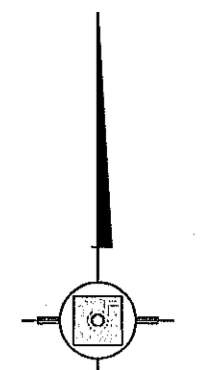


CONDE INC.
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6090 SURETY DR. SITE 100
EL PASO, TEXAS 79905
PHONE: (915) 592-0283
FAX: (915) 592-0286





SCALE: 1" = 100'



LEGEND

- FF=0.67 PROPOSED FINISH FLOOR
- FG=00.00 PROPOSED FINISH GROUND
- 00.00 PROPOSED SPOT ELEVATION
- ◆ HIGH POINT
- ◆ LOW POINT
- 4000 EXISTING CONTOUR
- 4000 EXISTING SPOT ELEVATION
- 4000 PROPOSED CONTOUR
- PROPOSED ROCK WALL
- PROPOSED RETAINING WALL

INLET DATA

INLET No.	INLET LOCATION	INLET TYPE	No. GRATES	Q _{d60} cfs	Q _{d100} cfs	Q _c cfs
1-1	HUNTERS GROVE AVE.	III	5	20.19	24.43	38.80
1-2	HUNTERS GROVE AVE.	III	5	20.19	24.43	38.80
2-1	LONG SHADOW AVE.	I	6	44.79	54.18	65.04

CLOGGING FACTOR = 2/3

STREET CARRYING CAPACITY-60 YR STORM

STREET NAME	STATION	Q _c cfs	Q _{d60} cfs @ 6"	Velocity	Depth
HUNTERS GROVE AVE.	9+00	5.29	36.44	1.19	0.17
HUNTERS GROVE AVE.	9+50	35.08	36.44	3.31	0.41
LONG SHADOW AVE.	12+50	38.47	45.34	3.62	0.38

SEE SHEET 51 FOR DRAINAGE STRUCTURES

NOTE:
HERON DESCRIBED TRACT LIES IN ZONE X, COMMUNITY PANEL NO. 480212 01763, DATED SEPTEMBER 4, 1991.

DRAINAGE CALCULATION TABLE

DRAINAGE AREA	AREA (acres)	T _c (min)	d	I _{so} (in/hr)	Q _{so} (cfs)	I _{so} (in/hr)	Q _{so} (cfs)
I	0.02	5	0.95	5.14	0.10	6.15	0.12
II	0.37	5	0.95	5.14	1.81	6.15	2.16
III	8.22	30	0.60	2.95	14.55	3.57	17.61
IV	2.22	30	0.95	2.95	6.22	3.57	7.53
V	6.59	30	0.60	2.95	11.66	3.57	14.12
VI	4.47	27	0.60	3.10	8.31	3.76	10.08
VII	3.50	25	0.60	3.21	6.74	3.89	8.17
VIII	3.38	25	0.60	3.21	6.51	3.89	7.89
IX	2.82	26	0.60	3.16	5.35	3.82	6.46
X	4.13	28	0.60	3.05	7.56	3.69	9.14
XI	1.75	27	0.60	3.10	3.28	3.76	3.95
XII	1.59	11	0.95	4.35	6.57	5.23	7.90
XIII	3.51	30	0.95	2.95	9.84	3.57	11.90
XIV	17.64	30	0.60	2.95	30.53	3.57	36.95
XV	8.15	30	0.60	2.95	14.43	3.57	17.46
XVI	4.60	20	0.95	3.54	15.47	4.28	18.70
OFFSITE I (AS PER TDE 72)	2.98	20	0.95	3.54	10.02	4.28	12.12
OFFSITE II	5.14	28	0.95	3.05	14.89	3.69	18.02
POND	1.89						SEE POND SHEET FOR DETAILS
LINEAR PARK	3.32						ONSITE PONDING

NOTE:
TDE 72 AND TDE 75 MUST BE DEVELOPED BEFORE OR CONCURRENT WITH TDE 76



ENGINEER'S SEAL

CONDE INC.
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SURVEYING / GPS
6080 SURETY DR. SITE 100
EL PASO, TEXAS 79905
PHONE: (915) 592-0285
FAX: (915) 592-0286

PROJECT NAME
TIERRA DEL ESTE UNIT 76

DATE
03/05/14

REVISIONS
R.1. POND SIZE INCREASE AND SLOPE CHANGE TO 3:1
R.2. REVISIONS TO LOTS ON BLOCKS 488-492

SCALE
HORIZ: 1" = 100'
VERT: 1" = 100'

DATE
MAY 2013

DESIGNED BY
Y. C.

INITIATED BY
Y. C.

CHECKED BY
Y. C.

JOB NO.
113-85

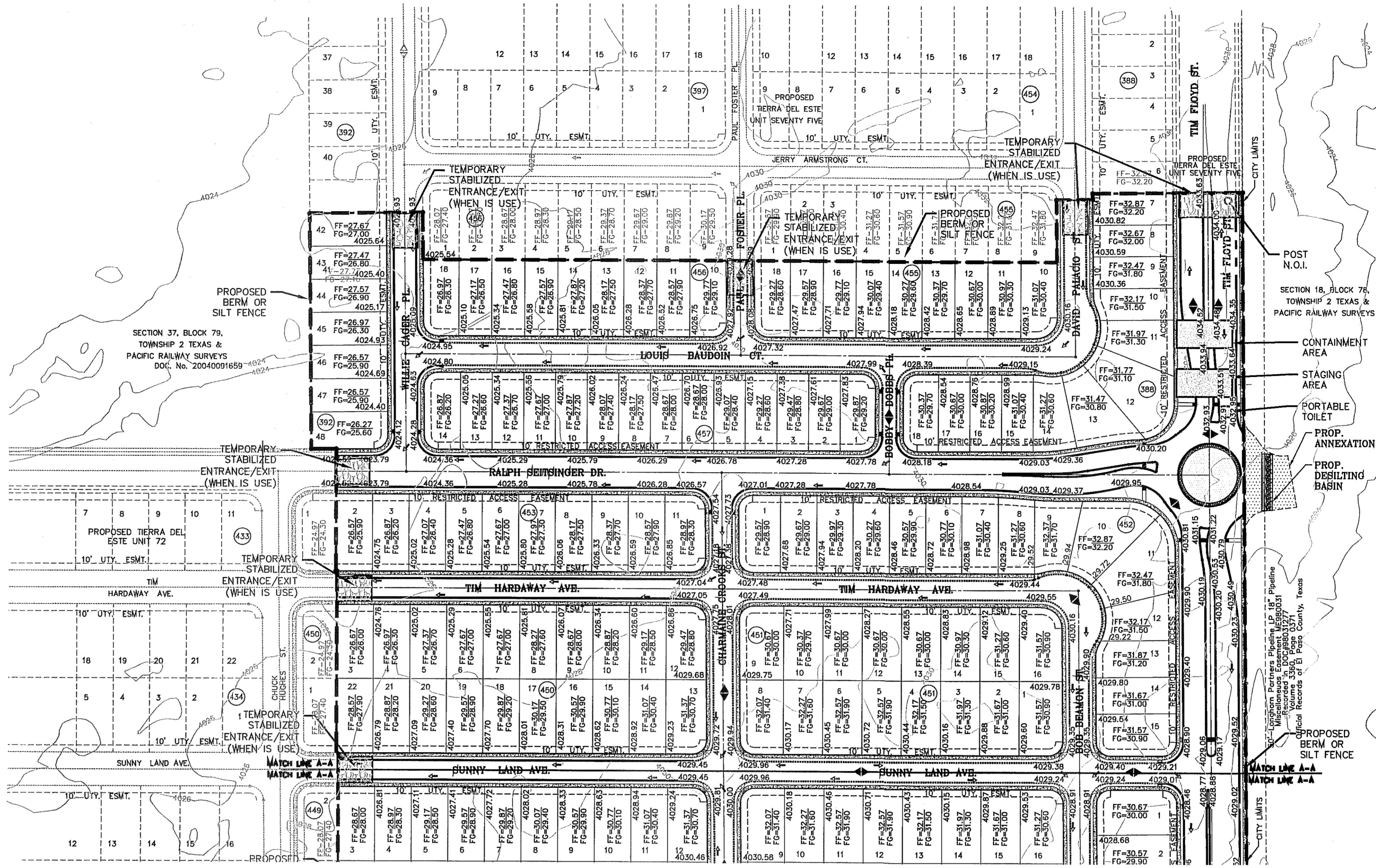
ENGINEER'S SEAL

CONDE INC.
REGISTRATION NO. F-3281

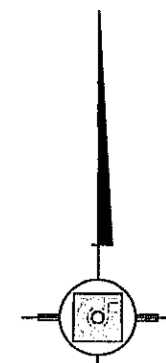
SHEET TITLE
DRAINAGE PLAN

SHT 11 OF 72

FILE LOCATION: E:\Subdivisions\TDE 76.DWG GDPL PLOTTED ON Tuesday, September 23, 2014 8:42:18 AM BY RUBEN RIVERA

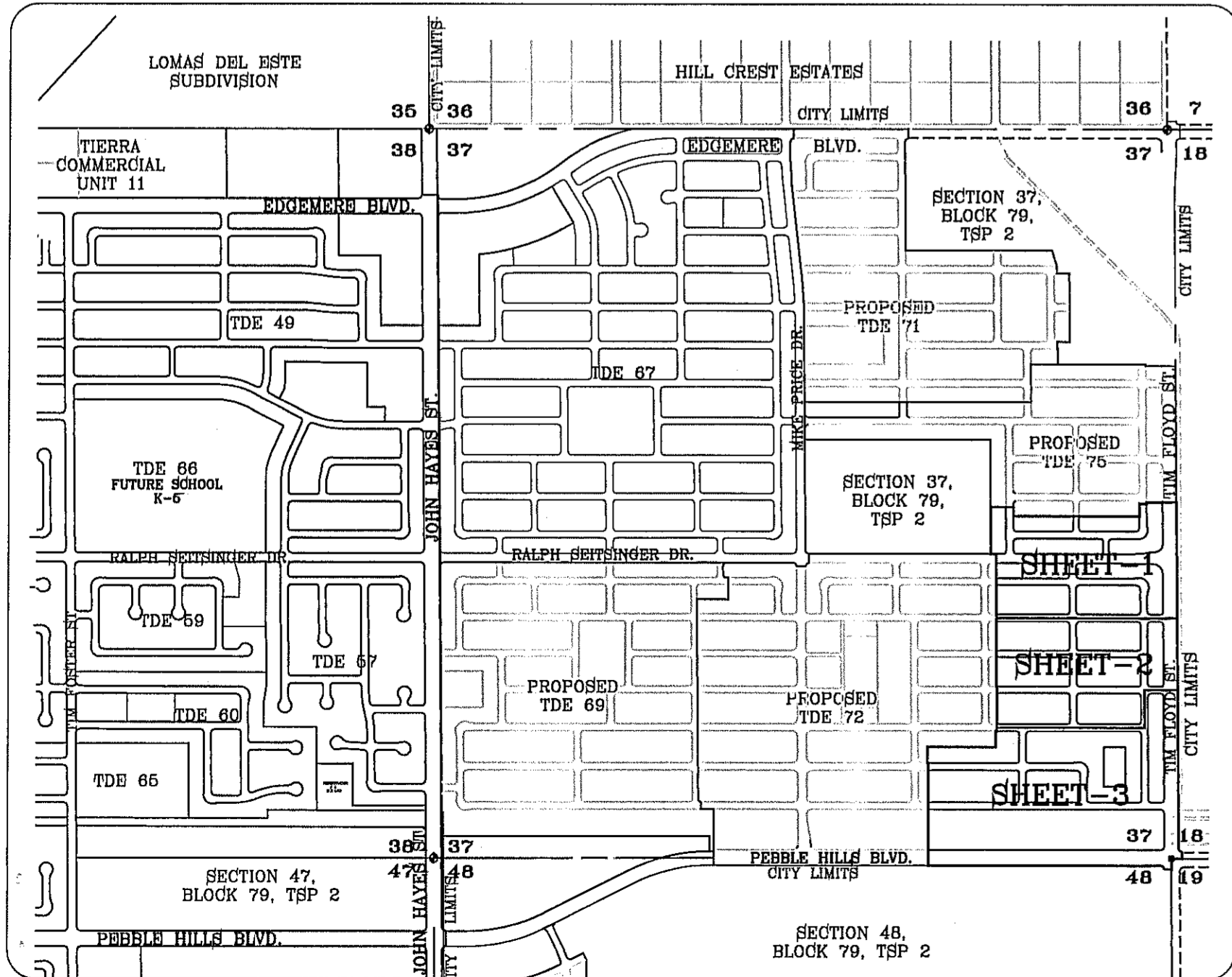


SCALE: 1" = 100'



LOCATION MAP

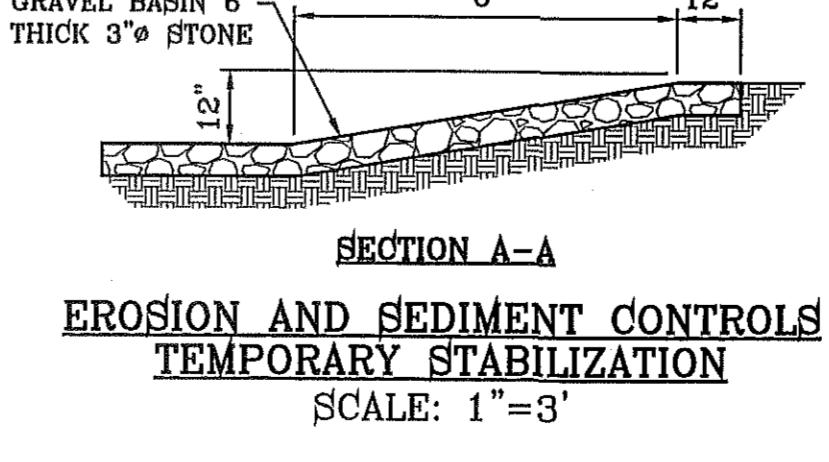
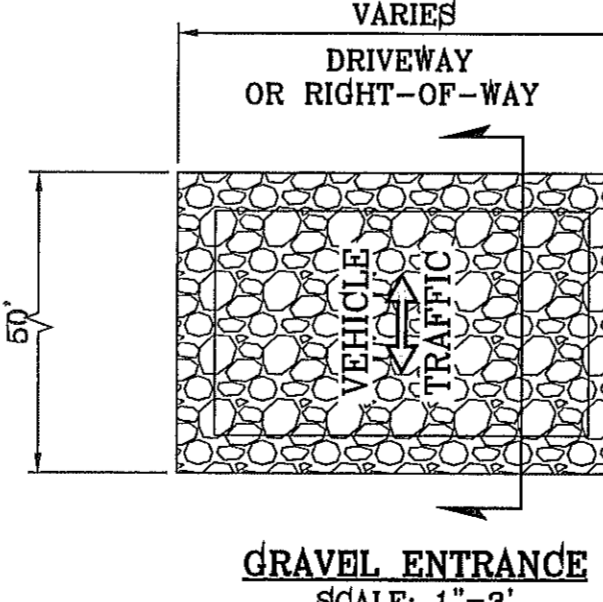
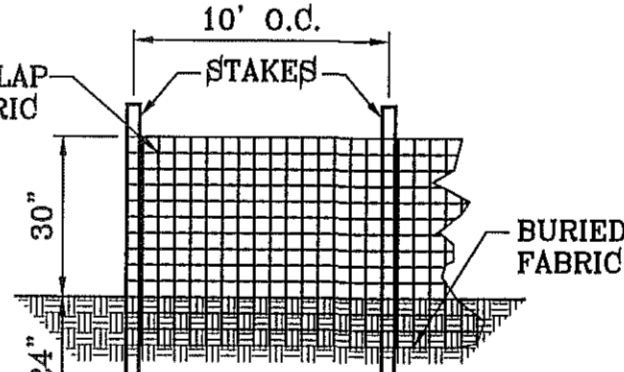
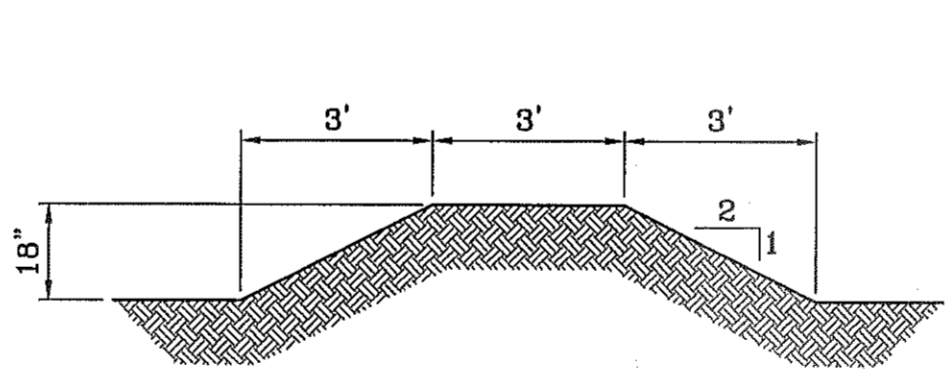
SCALE: 1"=1000'



- NOTES:**
1. T.P.D.E.S. PERMIT- AS REQUIRED BY CONTRACTOR
 2. STORM WATER AS PER N.P.D.E.S. PERMIT

LEGEND

FF=####	PROPOSED FINISH GROUND AND FINISH FLOOR
FC=XX.XX	PROPOSED SPOT ELEVATION
00.00	HIGH POINT
▲	LOW POINT
—4000	EXISTING CONTOUR
-4000	EXISTING SPOT ELEVATION
○	PROPOSED CONTOUR
⊖	PROPOSED ROCK WALL
⊖	PROPOSED RETAINING WALL
---	PROPOSED SILT FENCE
Q	RUN-OFF QUANTITY (CUBIC FT/SEC)
A	WATERSHED AREA (ACRES)
→	DRAINAGE FLOW



STABILIZED ENTRANCE EROSION CONTROL NOTES

1. SILT FENCING OR TEMPORARY BERMS SHALL BE INSTALLED AT TIME OF CONSTRUCTION.
2. TEMPORARY SWALES AND DESILTING BASINS WILL BE PLACED WHERE NECESSARY IN ORDER TO CONVEY STORM WATER RUN-OFF.
3. A STABILIZED CONSTRUCTION ENTRANCE WILL BE PROVIDED TO HELP REDUCE VEHICLE TRACKING OF SEDIMENTS. THE PAVED STREET ADJACENT TO THE SITE ENTRANCE WILL BE SWEEP WEEKLY TO REMOVE ANY EXCESS MUD, DIRT OR ROCK TRACKED FROM THE SITE.
4. THE OWNER SHALL BE RESPONSIBLE FOR INSURING THAT ALL EROSION CONTROL METHODS ARE INSPECTED ON A MONTHLY BASIS OR AFTER EVERY ERODIBLE RAINFALL (1/2" OR MORE). ANY NECESSARY REPAIRS OR CLEANUP TO MAINTAIN THE EFFECTIVENESS OF THE EROSION CONTROL SHALL BE MADE AT THE TIME.
5. A TEMPORARY BERM SHALL BE PROVIDED AT THE TOE OF SLOPE AND LOT LINE AT TIME OF GRADING PRIOR TO ROCKWALL CONSTRUCTION.
6. SILT FENCE TO BE INSTALLED AND MAINTAINED ALONG THE PERIMETER OF THE PARK SITE UNTIL ALL ABUTTING RESIDENCES ARE DEVELOPED.

BENCHMARK

CITY MONUMENT AT THE CENTERLINE INTERSECTION OF RALPH SEITZINGER DR. AND GALICENO PL.
ELEVATION 4085.83

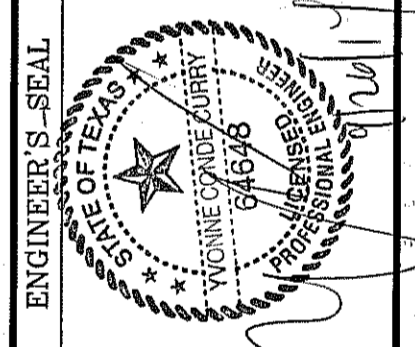
DATE: 03/05/14
REVISIONS: R.R.
POND SIZE INCREASE AND SLOPE CHANGE TO 3:1
R.R.

PROJECT NAME

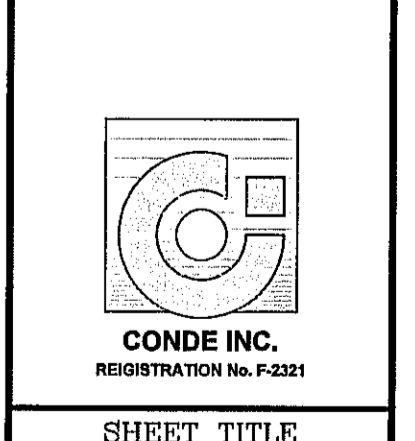
TERRA DEL ESTE UNIT 76
BEING PORTION OF SECTION 18, BLOCK 78, AND PORTION OF SECTIONS 37 AND 48, BLOCK 79, TOWNSHIP 2, TEXAS, AND PACIFIC RAILWAY CO. SURVEYS, CITY OF EL PASO, EL PASO COUNTY, TEXAS
CONTAINING: 86.09± ACRES

SCALE

HORIZ: 1"=100'
VERT: ---
DATE: MAY 2013
DESIGN BY: Y.C.
INITIATED BY: R.R.
CHECKED BY: Y.C.
JOB NO.: 113-35



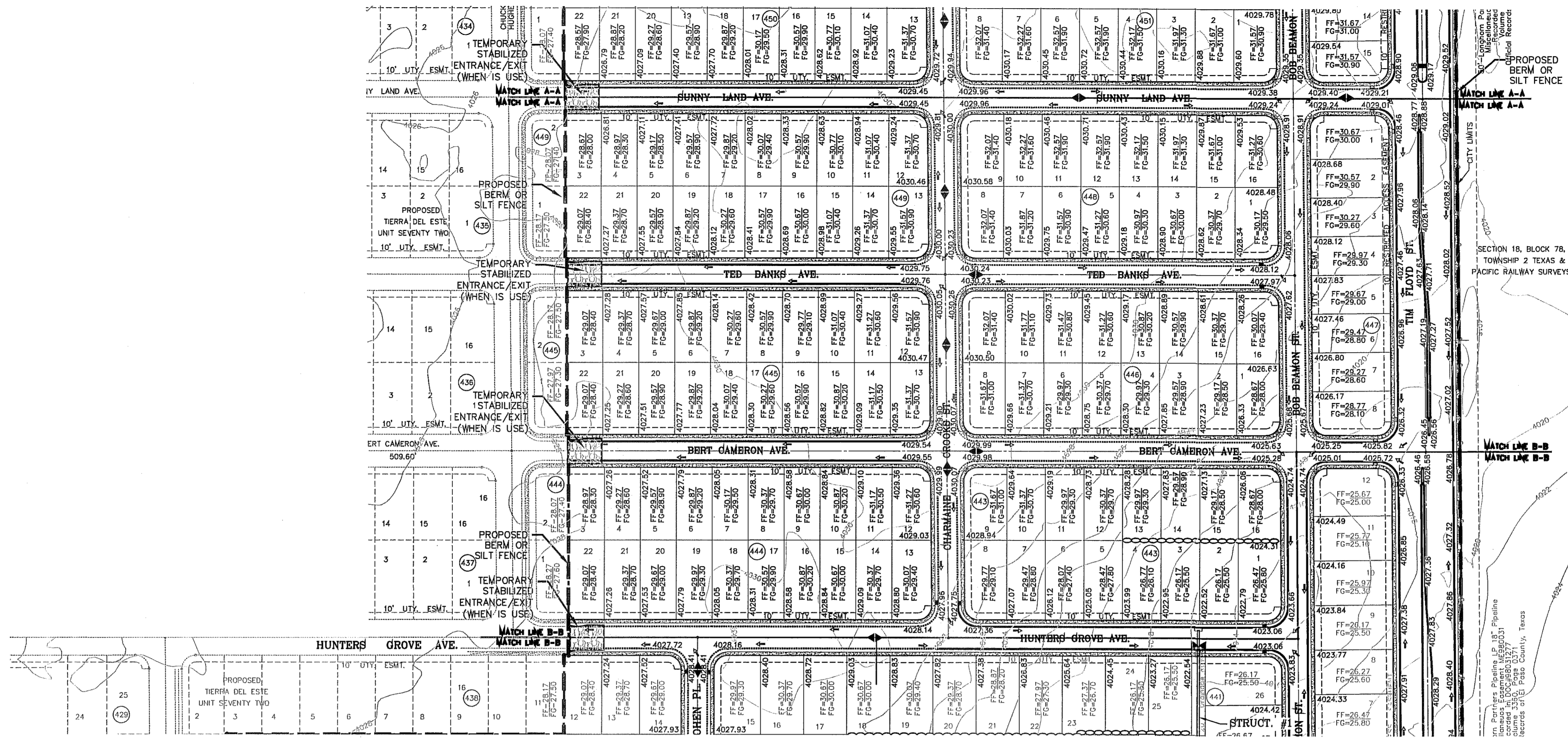
CONDE INC.
ENGINEERING / PLANNING
SURVEYING / GPS
6080 SURETY DR. STE 100
EL PASO, TEXAS 79905
PHONE: (915) 592-0263
FAX: (915) 592-0266



CONDE INC.
REGISTRATION No. F-2321

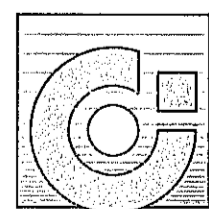
SHEET TITLE

GRADING STABILIZATION AND STORM WATER POLLUTION PREVENTION PLAN



Final Approval

CONDE INC.
 ENGINEERING / PLANNING
 SURVEYING / GPS
 6080 SURETY DR. STE 100
 EL PASO, TEXAS 79905
 PHONE: (915) 592-0283
 FAX: (915) 592-0286



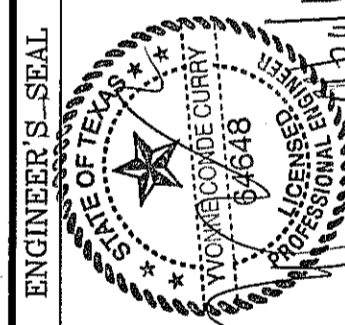
CONDE INC.
 REGISTRATION NO. F-2321

SHEET TITLE

**GRADING
 STABILIZATION
 AND STORM
 WATER
 POLLUTION
 PREVENTION
 PLAN**

SHT 13 OF 72

SCALE
 HORIZ: 1"=100'
 VERT: ---
 DATE: MAY 2013
 DESIGN BY: Y.C.
 INITIATED BY: R.R.
 CHECKED BY: Y.C.
 JOB NO.: 113-26



ENGINEER'S SEAL

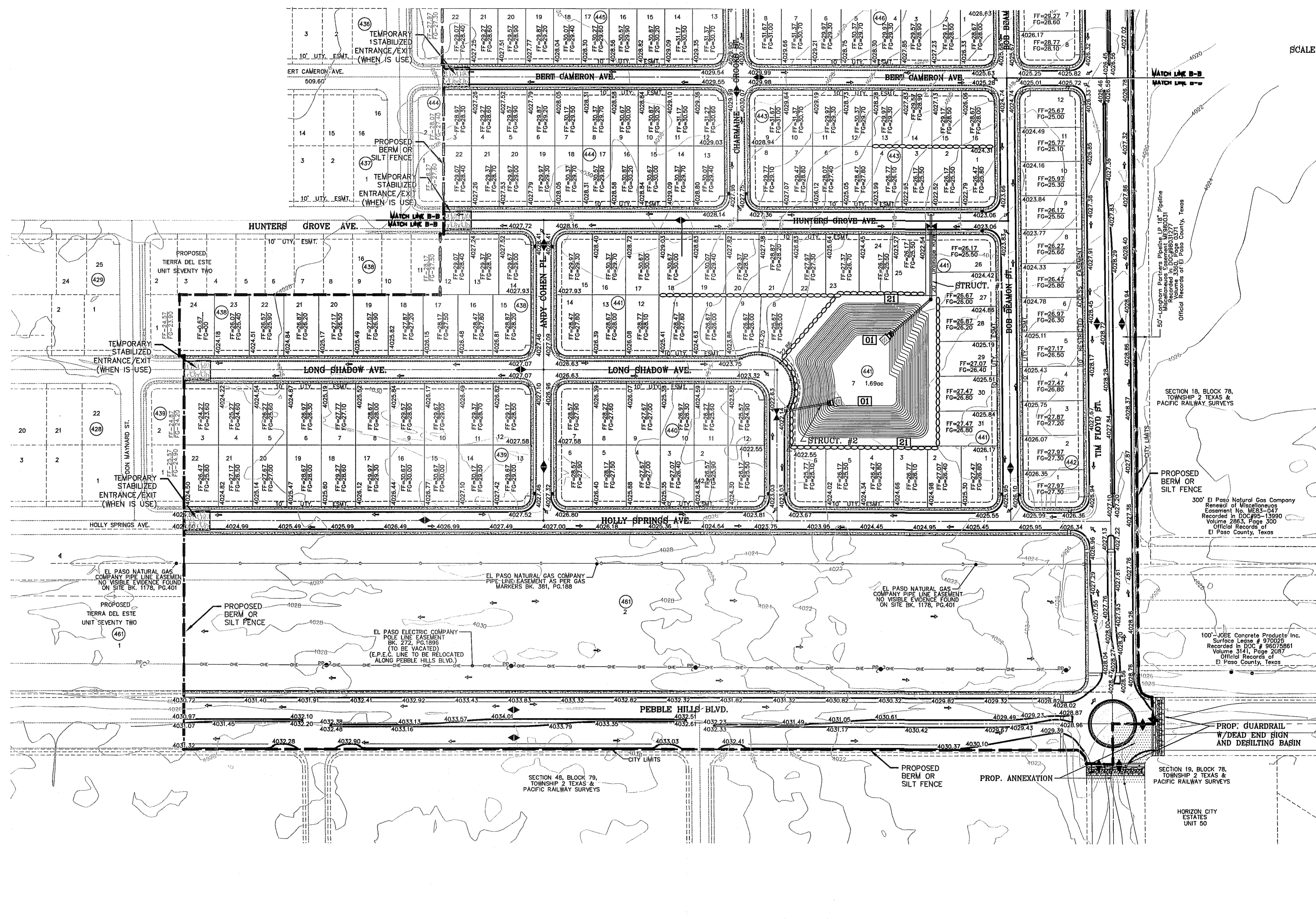
TIERRA DEL ESTE UNIT 76
 BEING PORTION OF SECTIONS 18, BLOCK 78,
 AND PORTION OF SECTIONS 37, AND 48,
 BLOCK 79, TOWNSHIP 2, TEXAS
 AND PACIFIC RAILWAY CO. SURVEYS,
 CITY OF EL PASO, EL PASO COUNTY, TEXAS
 CONTAINING: 86.09± ACRES

PROJECT NAME

BENCHMARK

DATE	REVISIONS	BY
03/05/14	POND SIZE INCREASE AND SLOPE CHANGE TO 3:1	R.R.

CITY MONUMENT AT THE CENTERLINE INTERSECTION OF
 RALPH BEITSINGER DR. AND GALICENO PL.
 ELEVATION 4025.83NAVD83 DATUM



SCALE: 1" = 100'



<p>CONDE INC. ENGINEERING / PLANNING SURVEYING / GPS 6090 SURREY DR. SITE 100 EL PASO, TEXAS 79905 PHONE: (915) 592-0283 FAX: (915) 592-0286</p>		<p>ENGINEER'S SEAL</p>
<p>CONDE INC. REGISTRATION No. F-2921</p>		<p>PROJECT NAME TIERRA DEL ESTE UNIT 76 BEING PORTION OF SECTION 18, BLOCK 78, AND PORTION OF SECTIONS 37 AND 48, BLOCK 79, TOWNSHIP 2, TEXAS AND PACIFIC RAILWAY CO. SURVEYS, CITY OF EL PASO, EL PASO COUNTY, TEXAS CONTAINING: 86.09± ACRES</p>
<p>SHEET TITLE GRADING AND STORM WATER POLLUTION PREVENTION PLAN</p>		<p>SC A L E HORIZ: 1" = 100' VERT: --- DATE: MAY 2013 DESIGN BY: Y.C. INITIATED BY: R.R. CHECKED BY: Y.C. JOB NO.: 113-56</p>
<p>SHT 14 OF 72</p>		<p>BENCHMARK CITY MONUMENT AT THE CENTERLINE INTERSECTION OF RALPH SEITSINGER DR. AND GALICENO PL. ELEVATION 4025.83 REVISIONS BY DATE 05/05/14 POND SIZE INCREASE AND SLOPE CHANGE TO 3:1 9/15/14 REVISIONS TO LOTS ON BLOCKS 49B-442</p>

FILE LOCATION: \Subdivisions\TDE 76\DWG\GDPL PLOTTED ON Tuesday, September 23, 2014 8:42:32 AM BY RUBEN RIVERA

SITE DESCRIPTION: PROJECT DESCRIPTION

1. NO ASPHALT BATCH PLANTS FOR THIS SITE.

BEST MANAGEMENT PRACTICES

- STRUCTURAL CONTROL MEASURES SHALL BE MAINTAINED THROUGHOUT THE LIFE OF THE PROJECT IN EFFECTIVE OPERATING CONDITION.
- DOCUMENTATION OF MAINTENANCE ACTIVITIES INCLUDING FREQUENCY, LOT DESIGNATION, INSPECTION OF: STRUCTURAL CONTROLS, MATERIAL STORAGE AREAS, VEHICLES ENTRANCE AND EXITS; ACTIONS TAKEN AND INSPECTORS NAME.
- CONSTRUCTION SITE NOTICE WILL BE MAINTAINED ON SITE.
- COPY OF SWPPP SHALL BE KEPT ON SITE.
- PERMITTEE MUST RETAIN THE SWPP, NOI AND INSPECTION LOG FOR A MINIMUM OF THREE YEARS FROM TERMINATION AND FINAL STABILIZATION OF PROJECT.

I. WASTE MATERIALS

ALL WASTE MATERIALS, INCLUDING CONSTRUCTION DEBRIS, SHALL BE COLLECTED AND STORED IN A SECURELY LIDDED METAL DUMPSTER. NO CONSTRUCTION MATERIAL SHALL BE BURIED ON SITE. THE DUMPSTER SHALL BE EMPTIED AS NECESSARY OR AS REQUIRED BY ORDINANCE 9.04 (SOLID WASTE MANAGEMENT) AND THE TRASH 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 STABILIZATIONS, 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 NMED.

III. SANITARY WASTE

ALL SANITARY WASTE SHALL BE COLLECTED FROM THE CONSTRUCTION PORTABLE UNITS AS NECESSARY 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.

A. GOOD HOUSEKEEPING

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

B. HAZARDOUS PRODUCTS:

PRACTICES USED TO REDUCE RISKS:

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

C. PETROLEUM PRODUCTS:

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.

V. SPILL CONTROL PRACTICES:

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

VI. MAINTENANCE AND INSPECTION PROCEDURES

ALL POLLUTION PREVENTION MEASURES SHALL BE INSPECTED AT LEAST ONCE EVERY 14 DAYS AND FOLLOWING A STORM EVENT OF 0.5 INCHES OR MORE. BEST MANAGEMENT PRACTICES AND POLLUTION CONTROL PROCEDURES SHALL BE INSPECTED FOR ADEQUACY. A RECORD OF THE RESULTS OF THE INSPECTIONS OF THE SITE SHALL BE KEPT ON SITE.

VII. 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. CONSTRUCTION STAGING AREAS AND VEHICLE MAINTENANCE AREAS SHALL BE CONSTRUCTED BY THE CONTRACTOR IN A MANNER TO MINIMIZE THE RUNOFF OF POLLUTANTS.

STORM WATER POLLUTION PREVENTION PLAN

GENERAL CONTRACTOR CERTIFICATION

I CERTIFY UNDER PENALTY OF LAW THAT I UNDERSTAND THE TERMS AND CONDITIONS OF THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) GENERAL PERMIT THAT AUTHORIZES STORM WATER DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITY FROM THE CONSTRUCTION SITE IDENTIFIED AS PART OF THIS CERTIFICATION.

SIGNED: _____ COMPANY: _____
 ADDRESS: _____
 TELEPHONE: _____
 DATE: _____

OWNER CERTIFICATION

I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHERED AND EVALUATED THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.

OWNER: (SIGNED) _____ DATE: _____
 OWNER: (NAME) _____
 PHONE NUMBER: _____

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

ESTIMATED BEGINNING CONSTRUCTION DATE: _____

- BEGIN CONSTRUCTION/MOBILIZATION (5 DAYS)
- INSTALL INITIAL STORMWATER POLLUTION PREVENTIONS (SWPP) MEASURES AS INDICATED ON SWPP PLAN (_____ DAYS)
- CLEAR AND GRUB
- SITE GRADING
- PERFORM PERIODIC INSPECTIONS OF THE SWPP STRUCTURES, PERFORM MAINTENANCE AND REPLACEMENTS AS NEEDED (DURATION OF CONSTRUCTION).
- EXCAVATION FOR SITE UTILITIES AND STORM SEWER
- CONSTRUCTION OF SITE IMPROVEMENTS AND STORM SEWER
- END CONSTRUCTION - FINAL STABILIZATION, DEMOBILIZATION, REMOVAL OF SWPPP CONTROLS, AND SUBMIT NOTICE OF TERMINATION.

ESTIMATED CONSTRUCTION COMPLETION DATE: _____

CONSTRUCTION ACTIVITIES LOG		
ACTIVITIES	DATE	SIGNATURE

INSPECTION AND MAINTENANCE REPORT

I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHERED AND EVALUATED THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWN VIOLATIONS.

SIGNED: _____ DATE: _____

SWPPP COORDINATOR NAME: _____
 PHONE NUMBER: _____

LOG OF ACTIVITIES AVAILABLE: SWPPP COORDINATOR.
 INSPECTION LOG AVAILABLE: SWPPP COORDINATOR
 SCHEDULE OF ACTIVITIES AVAILABLE: SWPPP COORDINATOR

SITE DESCRIPTION: PROJECT DESCRIPTION
 THE EXISTING SITE IS UNDEVELOPED DESERT. THERE ARE NO SURFACE WATERS ON THE SITE ITSELF OR ADJACENT TO THE SITE. THE SITE DISTURBANCE AREA IS 86.09 ACRES.

THE SITE MAP SHOWS THE PROPERTY BOUNDARIES WITH THE PROPOSED LOCATION OF THE ROADWAYS, LOTS, STORM INLETS AND RETENTION BASINS. THIS SITE WILL BE GRADED, ROADWAYS PAVED AND DRAINAGE STRUCTURES CONSTRUCTED. THE GRADED LOTS WILL DRAIN TO THE GRADED STREETS AND THEN TO THE STORM INLETS WHICH WILL CONDUIT THE STORM RUNOFF VIA UNDERGROUND STRUCTURES TO A RETENTION BASIN.

INTERIM STABILIZATION MEASURES ARE AS FOLLOWS: PERIMETER, TEMPORARY EARTHEN BERMS, TEMPORARY STABILIZED CONSTRUCTION SITE EXIT, TEMPORARY DESILTING BASINS

FINAL STABILIZATION WILL BE PERFORMED BY THE HOME BUILDERS WHICH WILL CONSTRUCT A SINGLE BUILDING ON EACH LOT AND PLACE LANDSCAPING ON EXPOSED SURFACES.

THE RECEIVING WATERS ARE PONDING AREA AT LOT 38 BLOCK 441

STORM WATER SAMPLING DATA IS NOT AVAILABLE FOR THIS SITE.

NO CONCRETE OR BATCH PLANTS ON THIS SITE.

NO APPARENT ENDANGERED SPECIES ON SITE. NO HISTORIC PROPERTIES ON SITE.

STORM WATER CONTAMINANTS ON SITE

THE FOLLOWING ARE THE POTENTIAL STORM WATER POLLUTANTS (CHECKED ITEMS ONLY):

CLEANING SOLVENTS _____	EQUIP. CLEANING WASTEWATER _____
ASPHALT _____	HYDRAULIC OIL/FLUIDS _____
CONCRETE _____	GASOLINE _____
PAINTS _____	DIESEL FUEL _____
CURING COMPOUNDS _____	ANTIFREEZE/COOLANT _____

THE CONTAINMENT AREA FOR THESE ITEMS IS LOCATED: AS SHOWN ON PLAN
 THE STAGING AREA FOR THIS SITE IS LOCATED: AS SHOWN ON PLAN
 THE PORTABLE TOILET FOR THIS SITE IS LOCATED: AS SHOWN ON PLAN

NON STORM WATER DISCHARGES ON SITE (CHECKED ITEMS ONLY):

FIRE HYDRANT FLUSHING _____	WATER LINE FLUSHING WATER _____
VEHICLE WASH WATER _____	LANDSCAPE IRRIGATION _____
DUST CONTROL WATER _____	PAVEMENT WASH WATERS _____

ALL STAGING AREAS, PORTABLE TOILETS AND POLLUTANT AREAS WILL INCORPORATE SECONDARY CONTAINMENT MEASURES SUCH AS BERMS OR SEDIMENT TRAPS/BARRIERS.

GRADING STABILIZATION ACTIVITY PLAN

GRADING STABILIZATION NOTES:

STABILIZATION MEASURE FOR LOT 38, BLOCK 441 (POND) TO BE HYDROMULCH SLOPES
DESIGN: ROUGHEN SLOPES.
MIX: 65-85 lbs WOOD MULCH/1000 s.f.
SEED: BUFFALO GRASS SEED @ 25 lbs/1000 s.f.
WATER: 30-35 lbs OF MULCH PER 100 GALLONS OF WATER.
 WATER SLOPE THEN APPLY HYDROMULCH.
 TEMPORARY IRRIGATION AND WATER SLOPES TWICE PER WEEK UNTIL VEGETATION ESTABLISHED.

GRADING STABILIZATION PLAN

- SEDIMENT CAUSED BY EXCESSIVE EROSION SHALL BE REMOVED FROM RUNOFF WATER BEFORE LEAVING THE SITE
- PROJECT AREAS PHYSICALLY DISTURBED DURING DEVELOPMENT SHALL BE EXPOSED TO EROSION PRODUCING INFLUENCES FOR THE SHORTEST PERIOD OF TIME.
- AFTER COMPLETION OF THE SITE GRADING THE PROJECT AREAS SHALL BE WATERED AS REQUIRED TO CONTROL WIND EROSION.
- SITE MONITORING SHALL BE PERFORMED BY THE PERMITTEE RESPONSIBLE FOR THE GRADING. ALL STABILIZATION MEASURES SHALL BE CHECKED ON A MONTHLY BASIS AND SHALL CONTINUE TO BE MAINTAINED .
- A MONITORING AND INSPECTION PROGRAM SHALL BE IMPLEMENTED UNTIL A STABILIZED SITE IS ACHIEVED OF BUILDING RESUMES. INACTIVE/IDLE SITES SHALL BE INSPECTED AND MAINTAINED ON ONE OF THE FOLLOWING SCHEDULES:
 A. AT LEAST ONCE EVERY 14 CALENDAR DAYS AND WITHIN 24 HOURS OF A WIND EVENT B. AT LEAST ONCE EVERY 7 CALENDAR DAYS ON A SET SPECIFIC DAY
- AFTER PERMITTEE COMPLETES THE GRADING THE PERMIT SHALL BE CLOSED. AS PART OF THE CLOSEOUT PROCEDURES, THE APPLICANT MUST SUBMIT THE FOLLOWING:
 a. A STATEMENT FROM THE ENGINEER OF RECORD THAT STATES "THE GRADING OPERATION HAS BEEN SUBSTANTIALLY COMPLETED AND GENERALLY CONFORMS TO THE APPROVED SET OF PLANS".
 THE PERMITTEE SHALL CALL THE PERMIT OFFICIAL TO ESTABLISH THE BEGINNING OF THE WARRANTY PERIOD AND NOTIFY THE PERMIT OFFICIAL GSP HAS BEEN IMPLEMENTED.
 b. SHALL SUBMIT A COPY OF THE NOTICE OF TERMINATION FILED WITH THE STATE.

GRADING STABILIZATION MAINTENANCE AND SCHEDULE PLAN			
STABILIZATION MEASURES	INSPECTION DATE	MAINT. DATE	MAINTAINANCE TYPE
WATERING OF SITE			
WEED PREVENTION AND MOWING			
RE-GRADING OF SITE DUE TO EROSION			
SEDIMENT FROM EROSION SHALL BE REMOVED FROM SITE			
ASSURE MAINTENANCE OF SWPPP MEASURES			

PERMITTEE CERTIFICATION

I CERTIFY AND AGREE TO WARRANT AND MAINTAIN THE SITE AS DESCRIBED IN THIS GSP UNTIL BUILDING PERMIT IS ISSUED OR THE CITY CLOSES THE PERMIT AS SPECIFIED IN MUNICIPAL CODE SECTION 18.44.090.

PERMITTEE: (SIGNED) _____ DATE: _____
 OWNER: (NAME) _____
 PHONE NUMBER: _____

BENCHMARK
 CITY MONUMENT AT THE CENTERLINE INTERSECTION OF RALPH SEITSINGER DR. AND GALICENO PL.
 ELEVATION 4025.63NAV98 DATUM

DATE: 03/05/14
 REVISIONS: POND SIZE INCREASE AND SLOPE CHANGE TO S1
 BY: R.R.

PROJECT NAME: TIERRA DEL ESTE UNIT 76
 BEING PORTION OF SECTION 18, BLOCK 78, AND PORTION OF SECTIONS 37 AND 48, BLOCK 79, TOWNSHIP 2, TEXAS AND PACIFIC RAILWAY CO. SURVEYS, CITY OF EL PASO, EL PASO COUNTY, TEXAS CONTAINING: 86.09± ACRES

SCALE: HORIZ: --- VERT: ---
 DATE: MAY 2013
 DESIGN BY: Y.C.
 INITIATED BY: R.R.
 CHECKED BY: Y.C.
 JOB NO.: 113-56

CONDE INC. ENGINEERING / PLANNING SURVEYING / GPS
 6080 SURETY DR. STE 100 EL PASO, TEXAS 79905
 PHONE: (915) 592-0285 FAX: (915) 592-0286

CONDE INC. REGISTRATION No. P-2211

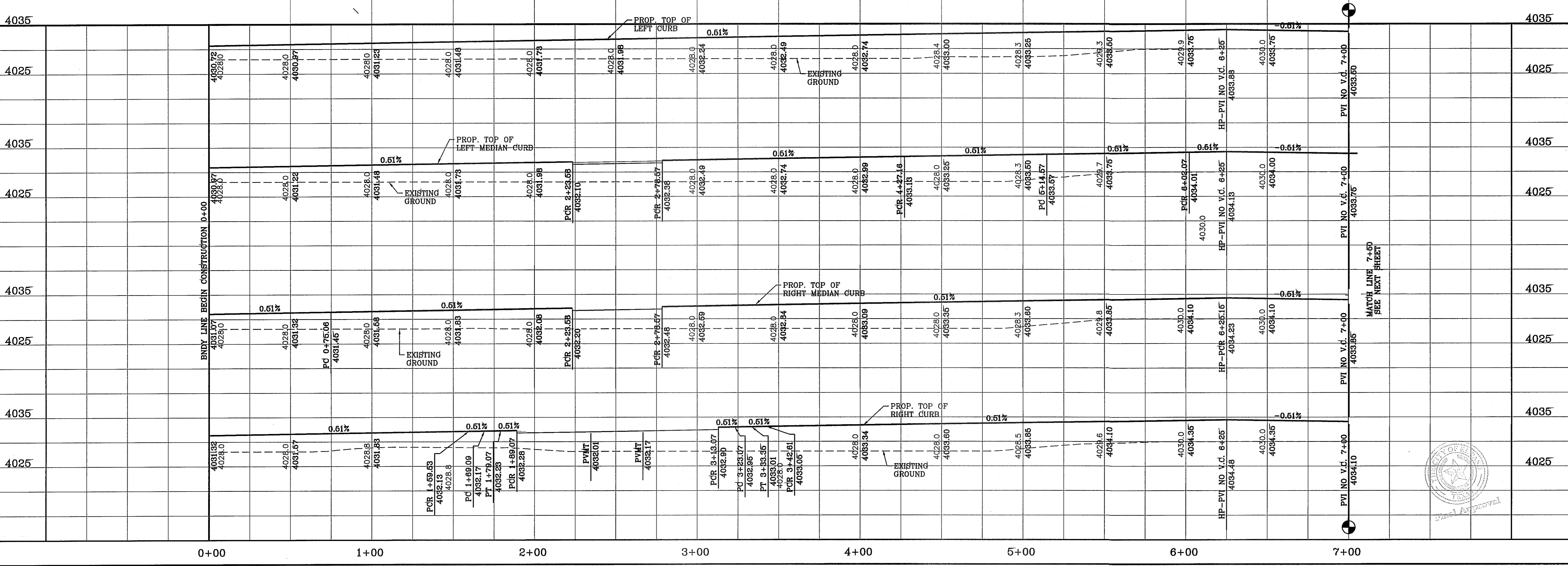
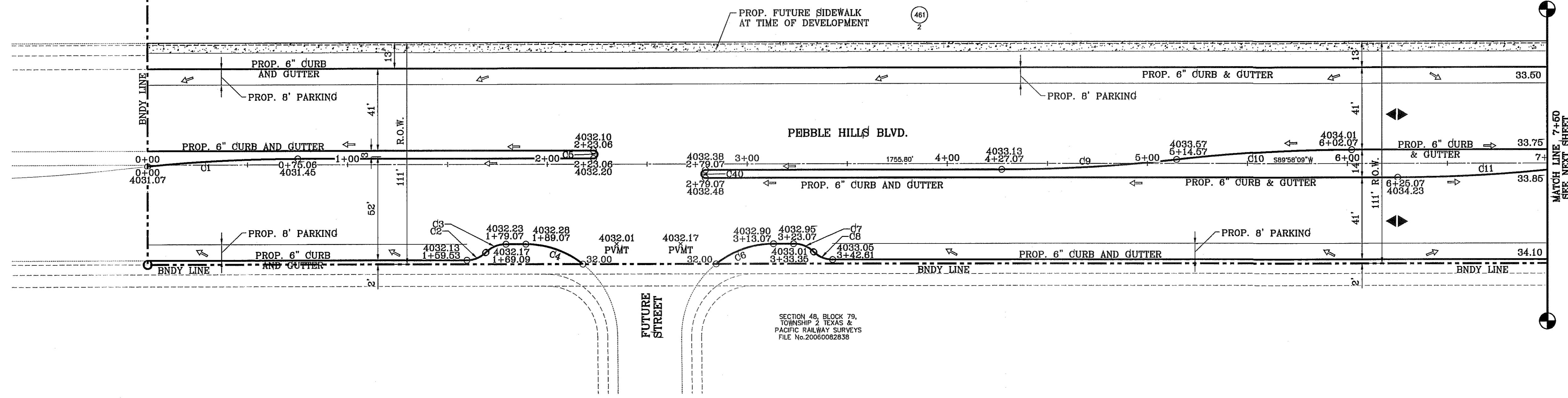
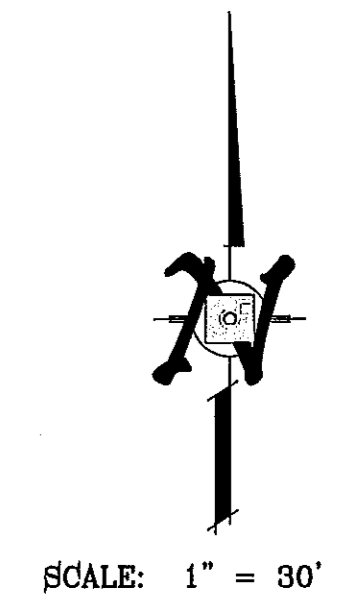
SHEET TITLE: GRADING STABILIZATION AND STORM WATER POLLUTION PREVENTION NOTES

SHT 15 OF 72

FILE LOCATION S:\Subdivisions\TDE 76.DWG\PP-PEBBLE HILLS PLOTTED ON Tuesday, September 23, 2014 8:42:52 AM BY RUBEN RIVERA

CURVE TABLE						
CURVE	RADIUS	LENGTH	TANGENT	CHORD	BEARING	DELTA
C1	768.12'	75.18'	37.62'	75.15'	S87°09'54"W	5°36'29"
C2	13.40'	10.22'	5.37'	9.98'	N68°07'11"E	43°41'55"
C3	14.44'	11.01'	5.79'	10.75'	S68°07'11"W	43°41'55"
C4	46.00'	30.91'	16.06'	30.33'	N70°46'51"W	38°30'00"
C5	2.00'	6.28'	INFINITY	4.00'	N0°01'51"W	180°00'00"
C6	46.00'	30.91'	16.06'	30.33'	S70°43'09"W	38°30'00"

CURVE TABLE						
CURVE	RADIUS	LENGTH	TANGENT	CHORD	BEARING	DELTA
C7	14.44'	11.01'	5.79'	10.75'	N68°10'53"W	43°41'55"
C8	13.40'	10.22'	5.37'	9.98'	S68°10'53"E	43°41'55"
C9	766.87'	87.55'	43.82'	87.50'	N86°41'55"E	6°32'28"
C10	768.12'	87.69'	43.89'	87.64'	S86°41'55"W	6°32'28"
C11	768.12'	87.69'	43.89'	87.64'	N86°41'55"E	6°32'28"
C40	2.00'	6.28'	INFINITY	4.00'	S0°01'51"E	180°00'00"



PROJECT NAME
TIERRA DEL ESTE UNIT 76

SCALE
HORIZ: 1" = 30'
VERT: 1" = 10'

DATE
MAY 2013

DESIGN BY
Y.C.

INITIATED BY
R.R.

CHECKED BY
Y.C.

JOB NO.
113-35

ENGINEER'S SEAL
CONDE INC. ENGINEERING / PLANNING SURVEYING / GPS
6090 SURETY DR. SITE 100
EL PASO, TEXAS 79905
PHONE: (915) 592-0283
FAX: (915) 592-0286

REVISIONS

DATE	BY	REVISIONS
03/05/14	R.R.	FOND SIZE INCREASE AND SLOPE CHANGE TO 3:1

BENCHMARK
CITY MONUMENT AT THE CENTERLINE INTERSECTION OF RALPH BEITSINGER DR. AND GALCENCO PL. ELEVATION 4025.83

PROJECT NAME
TIERRA DEL ESTE UNIT SEVENTY SIX

SHEET TITLE
STREET PLAN-PROFILE
PEBBLE HILLS BLVD.

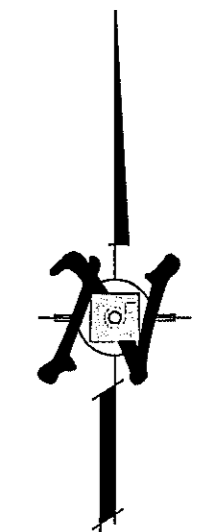
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TO STA: 7+00

SHT 16 OF 72

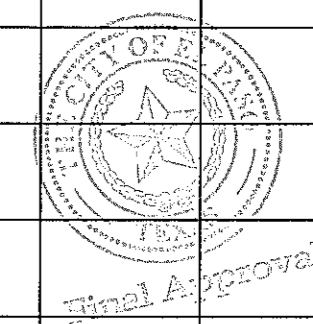
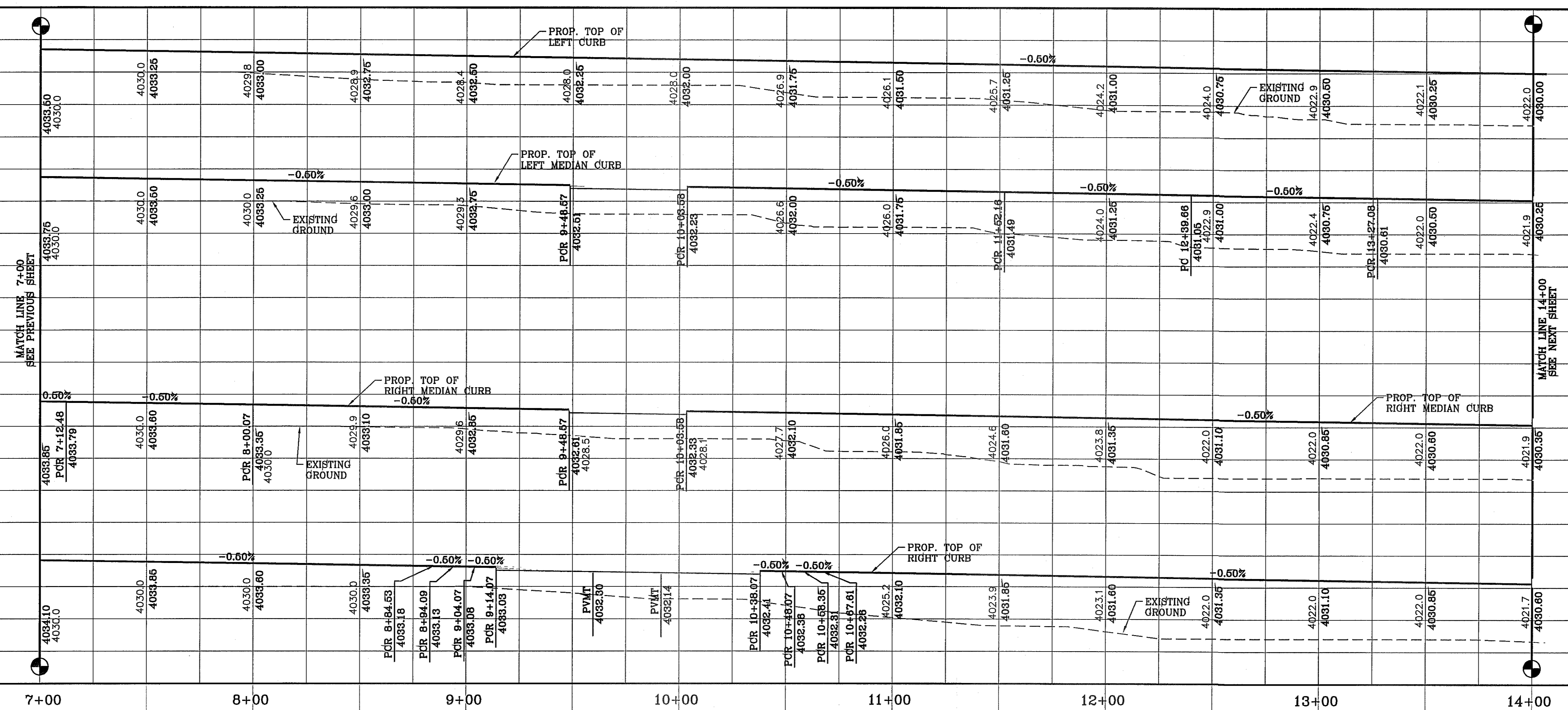
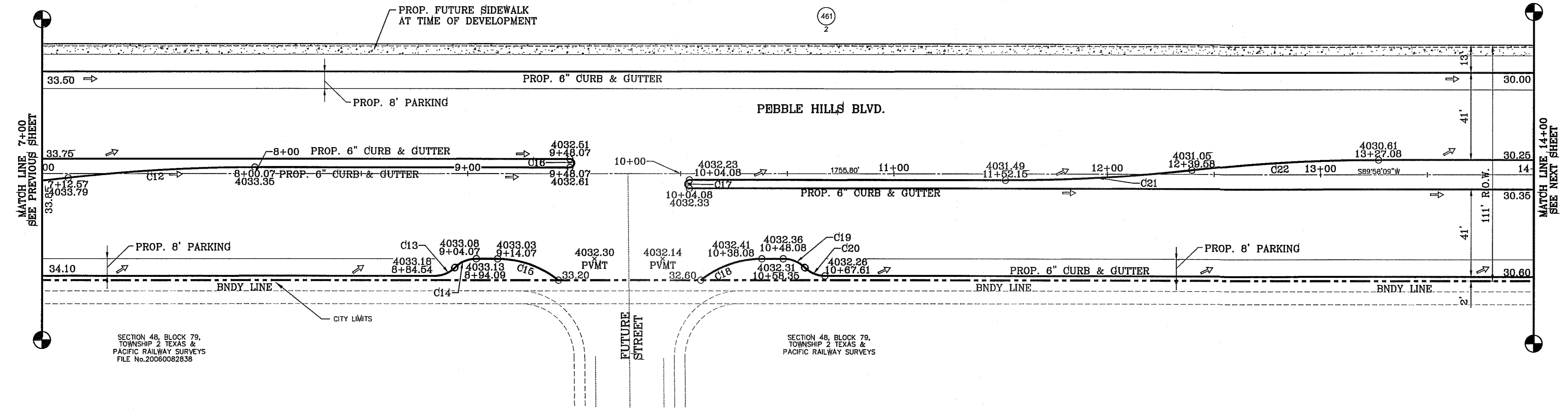
FILE LOCATION s:\subdivisions\TDE 76\DWG\PP-PEBBLE HILLS PLOTTED ON Tuesday, September 23, 2014 8:43:01 AM BY RUBEN RIVERA

CURVE TABLE						
CURVE	RADIUS	LENGTH	TANGENT	CHORD	BEARING	DELTA
C16	2.00'	6.28'	INFINITY	4.00'	N0°01'51"W	180°00'00"
C17	2.00'	6.28'	INFINITY	4.00'	S0°01'51"E	180°00'00"
C18	46.00'	30.91'	16.06'	30.33'	S70°43'09"W	38°30'00"
C19	14.44'	11.01'	5.79'	10.75'	N68°10'53"W	43°41'55"
C20	13.40'	10.22'	5.37'	9.98'	S68°10'53"E	43°41'55"

CURVE TABLE						
CURVE	RADIUS	LENGTH	TANGENT	CHORD	BEARING	DELTA
C21	766.87'	87.55'	43.82'	87.50'	N86°41'55"E	6°32'28"
C22	768.12'	87.69'	43.89'	87.64'	S86°41'55"W	6°32'28"
C12	768.12'	87.69'	43.89'	87.64'	S86°41'55"W	6°32'28"
C13	13.40'	10.22'	5.37'	9.98'	N68°07'11"E	43°41'55"
C14	14.44'	11.01'	5.79'	10.75'	S68°07'11"W	43°41'55"
C15	46.00'	30.91'	16.06'	30.33'	N70°46'51"W	38°30'00"



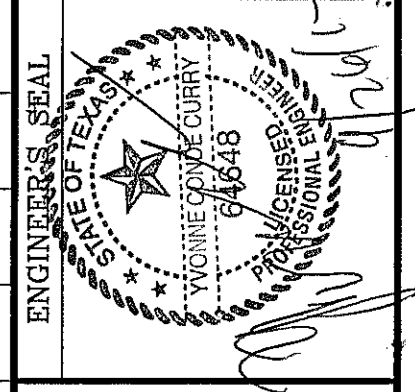
SCALE: 1" = 30'



BENCHMARK	
CITY MONUMENT AT THE CENTERLINE INTERSECTION OF RALPH SEITSINGER DR. AND GALICENO PL. ELEVATION 4025.63NAVD88 DATUM
DATE	REVISIONS
03/05/14	POND SIZE INCREASE AND SLOPE CHANGE TO S1
BY	R.R.

PROJECT NAME
TIERRA DEL ESTE UNIT 76
 BEING PORTION OF SECTION 18, BLOCK 78, AND BLOCK 79, TOWNSHIP 2, TEXAS AND PACIFIC RAILWAY CO. SURVEYS, CITY OF EL PASO, EL PASO COUNTY, TEXAS CONTAINING: 66.09± ACRES

SCALE
 HORIZ: 1" = 30'
 VERT: 1" = 10'
 DATE: MAY 2013
 DESIGN BY: Y.C.
 INITIATED BY: R.R.
 CHECKED BY: Y.C.
 JOB NO.: 113-56



CONDE INC.
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 SURVEYING / GPS
 6080 SURVEY DR. STE. 100
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 FAX: (915) 592-0286



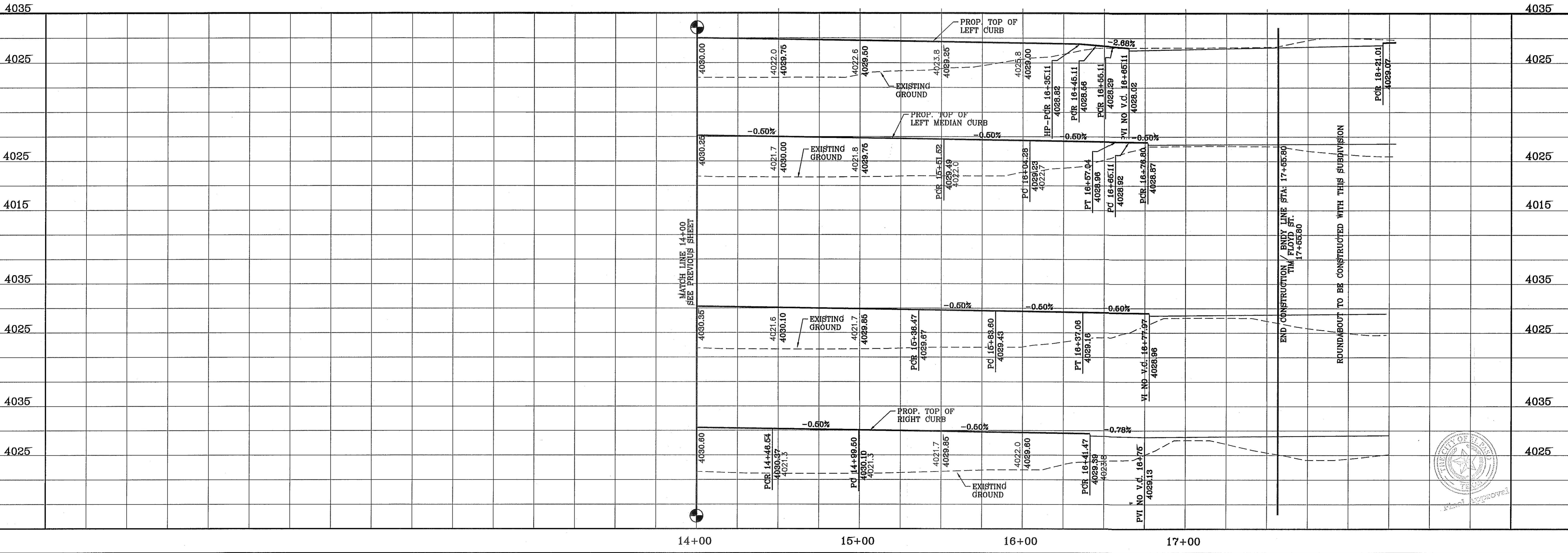
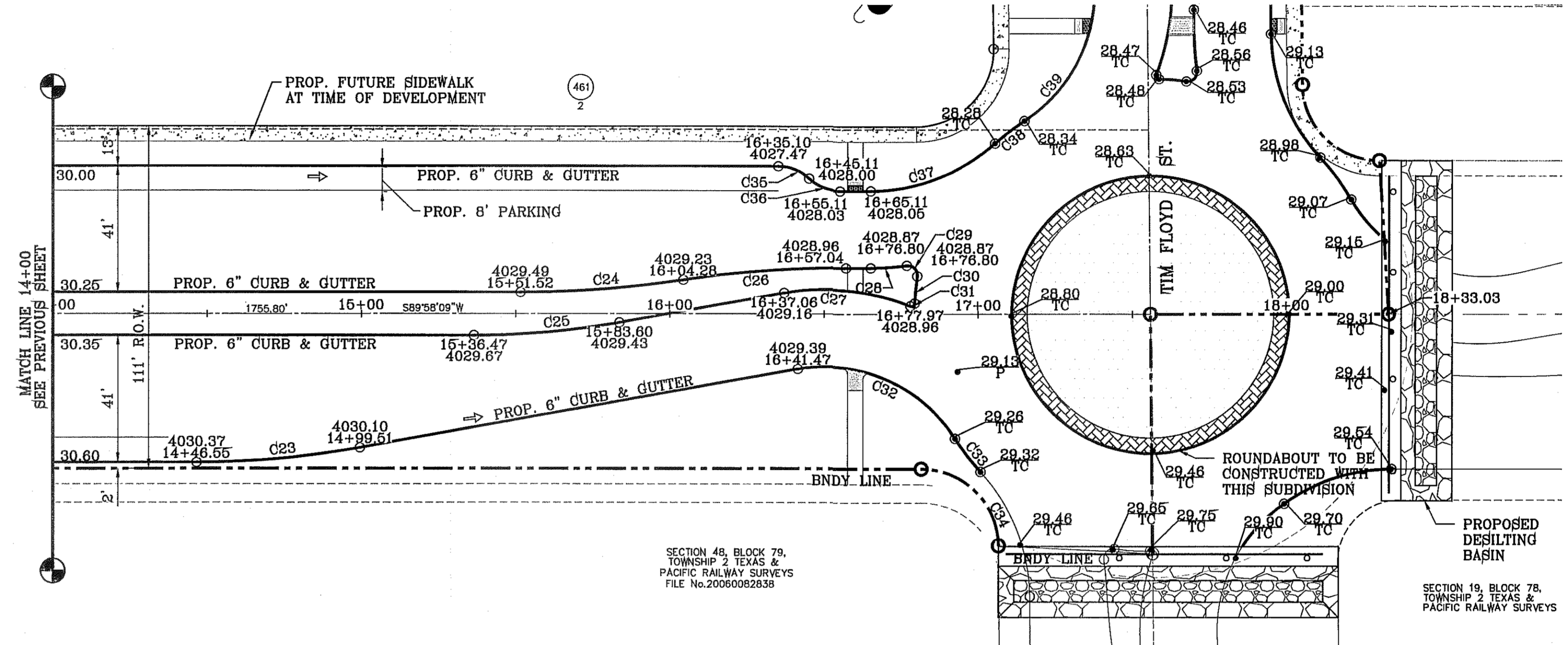
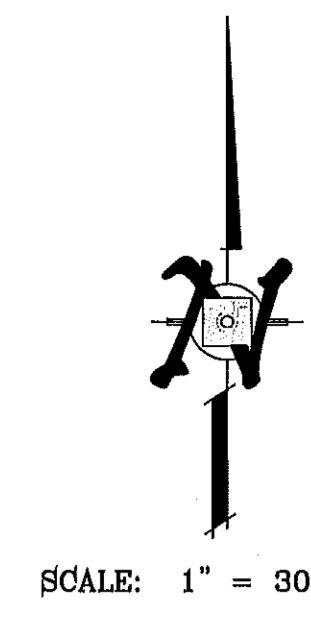
SHEET TITLE
STREET PLAN - PROFILE
PEBBLE HILLS BLVD.
 FROM STA: 7+00 TO STA: 14+00
 SHT 17 OF 72

TIERRA DEL ESTE UNIT SEVENTY SIX

FILE LOCATION S:\Subdivisions\76\DWG\PP-PEBBLE HILLS PLOTTED ON Tuesday, September 23, 2014 8:48:11 AM BY RUBEN RIVERA

CURVE TABLE						
CURVE	RADIUS	LENGTH	TANGENT	CHORD	BEARING	DELTA
C23	300.00'	53.24'	26.69'	53.17'	N84°53'07"E	10°10'05"
C24	350.00'	52.97'	26.53'	52.92'	N85°38'02"E	8°40'14"
C25	267.00'	47.38'	23.75'	47.32'	N84°53'07"E	10°10'05"
C26	350.00'	52.97'	26.53'	52.92'	S85°38'02"W	8°40'14"
C27	75.00'	41.66'	21.38'	41.12'	N84°17'14"W	31°49'23"
C28	85.00'	11.73'	5.88'	11.72'	N86°00'52"E	7°54'33"
C29	3.00'	5.58'	4.03'	4.81'	N44°36'36"W	106°39'36"
C30	76.50'	8.87'	4.44'	8.86'	S5°23'57"W	6°38'29"
C31	1.00'	1.91'	1.42'	1.63'	N56°51'05"E	109°32'45"

CURVE TABLE						
CURVE	RADIUS	LENGTH	TANGENT	CHORD	BEARING	DELTA
C32	50.00'	59.11'	33.56'	55.73'	N66°19'55"W	67°44'02"
C33	75.00'	13.52'	6.78'	13.51'	S37°37'52"E	10°19'55"
C34	60.00'	44.20'	23.16'	43.20'	N21°41'39"W	42°12'20"
C35	14.51'	11.04'	5.80'	10.77'	N68°14'14"W	43°35'15"
C36	14.51'	11.03'	5.80'	10.77'	S68°13'18"E	43°33'23"
C37	60.00'	44.20'	23.16'	43.20'	N68°51'59"E	42°12'20"
C38	75.00'	12.06'	6.04'	12.04'	S52°22'08"W	9°12'38"
C39	50.00'	59.11'	33.56'	55.73'	N23°06'27"E	67°44'02"
C40	2.00'	6.28'	INFINITY	4.00'	S0°01'51"E	180°00'00"



BENCHMARK	CITY MONUMENT AT THE CENTERLINE INTERSECTION OF RALPH SEITSINGER DR. AND GALICENO PL. ELEVATION 4025.83
DATE	05/05/14
BY	R.R.
REVISIONS	POND SIZE INCREASE AND SLOPE CHANGE TO 3:1

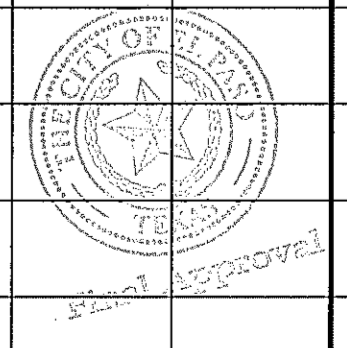
PROJECT NAME
TIERRA DEL ESTE UNIT 76
 BEING PORTION OF SECTION 18, BLOCK 78, AND PORTION OF SECTIONS 37 AND 48, BLOCK 79, TOWNSHIP 2, TEXAS AND PACIFIC RAILWAY CO. SURVEYS, CITY OF EL PASO, EL PASO COUNTY, TEXAS CONTAINING: 86.09± ACRES

SCALE
 HORIZ: 1" = 30'
 VERT: 1" = 10'
 DATE: MAY 2013
 DESIGN BY: Y.C.
 INITIATED BY: R.R.
 CHECKED BY: Y.C.
 JOB NO.: 113-35

ENGINEER'S SEAL

CONDE INC.
 ENGINEERING / PLANNING
 SURVEYING / GPS
 6080 SURVEY DR. STE 100
 EL PASO, TEXAS 79905
 PHONE: (915) 592-0283
 FAX: (915) 592-0286

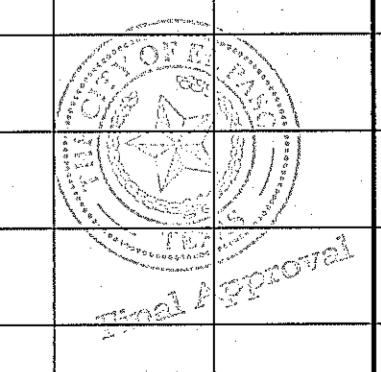
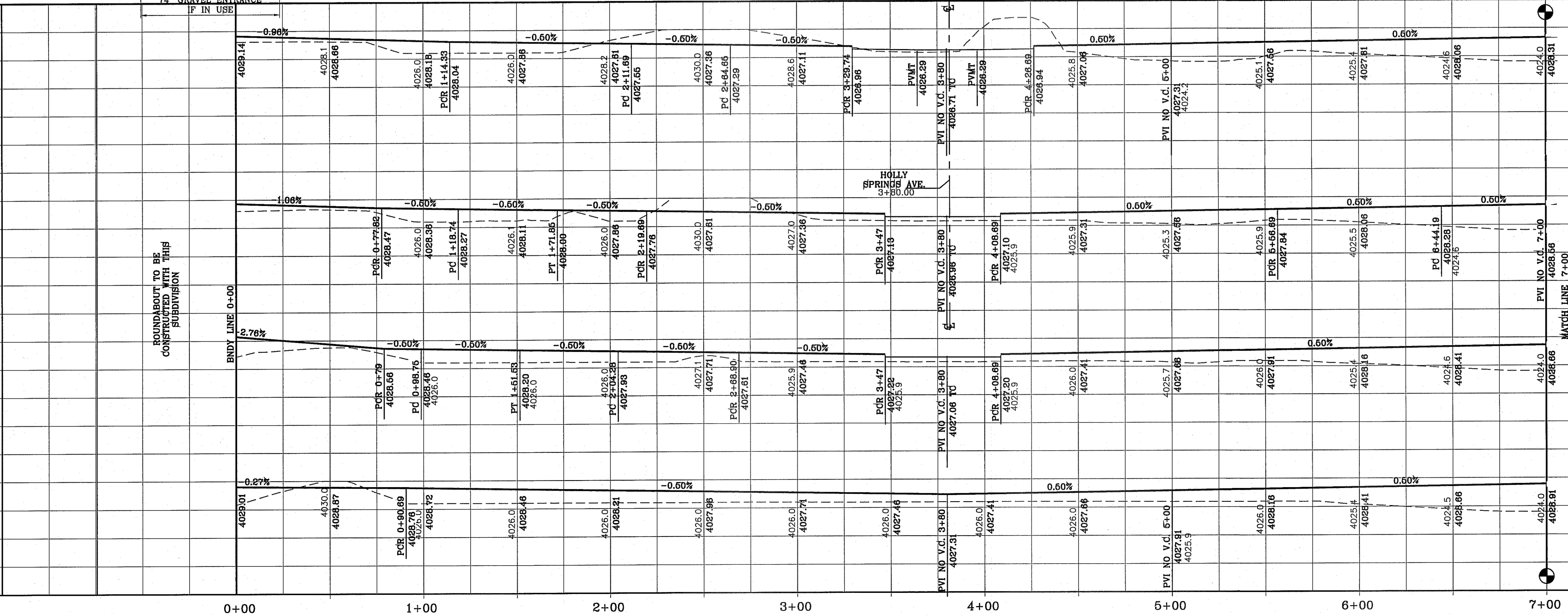
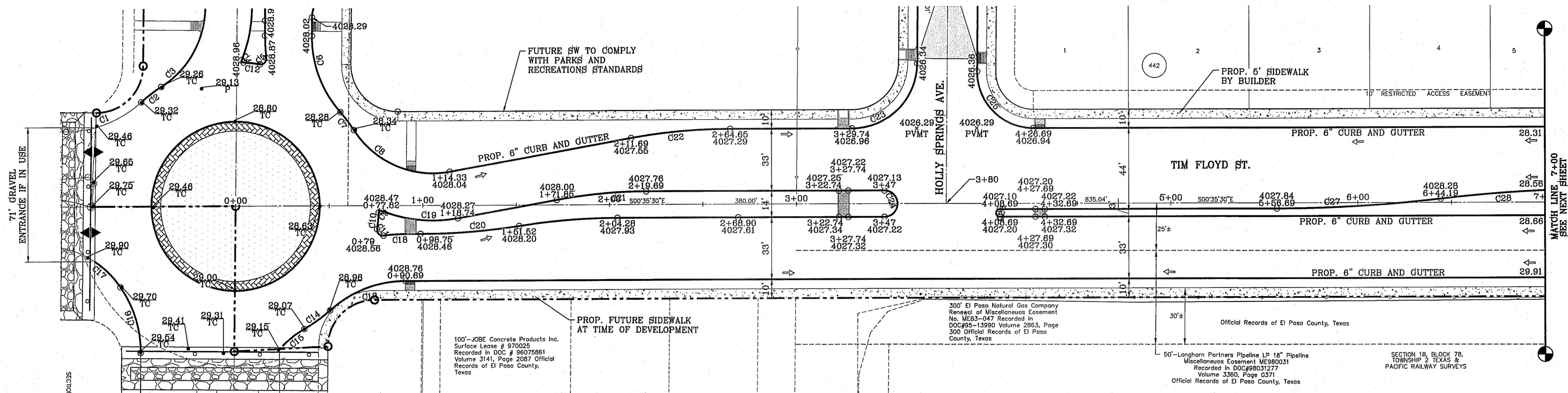
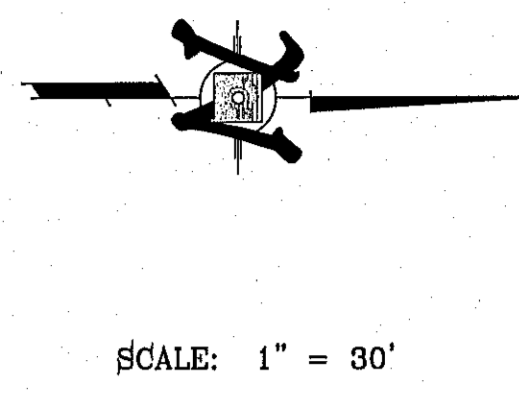
SHEET TITLE
STREET PLAN-PROFILE
PEBBLE HILLS BLVD.
 FROM STA: 14+00 TO STA: 17+55.80
 SHT 18 OF 72



CURVE TABLE						
CURVE	RADIUS	LENGTH	TANGENT	CHORD	BEARING	DELTA
C1	60.00'	44.20'	23.16'	43.20'	N21°41'39"W	42°12'20"
C2	75.00'	13.52'	6.78'	13.51'	S37°37'52"E	10°19'55"
C3	50.00'	59.11'	33.56'	55.73'	N66°19'55"W	67°44'02"
C4	1.00'	1.91'	1.42'	1.63'	N56°51'05"E	109°32'45"
C5	3.00'	5.58'	4.03'	4.81'	N44°36'36"W	106°39'36"
C6	60.00'	44.20'	23.16'	43.20'	N68°51'59"E	42°12'20"
C7	75.00'	12.06'	6.04'	12.04'	S52°22'08"W	9°12'38"
C8	50.00'	59.11'	33.56'	55.73'	N23°06'27"E	67°44'02"
C9	1.00'	1.91'	1.42'	1.63'	S33°42'33"E	109°32'45"
C10	76.50'	8.87'	4.44'	8.86'	N85°09'41"W	6°38'29"

CURVE TABLE						
CURVE	RADIUS	LENGTH	TANGENT	CHORD	BEARING	DELTA
C11	3.00'	5.58'	4.03'	4.81'	N44°49'45"E	106°39'36"
C12	76.50'	8.87'	4.44'	8.86'	S5°23'57"W	6°38'29"
C13	30.00'	42.05'	25.31'	38.69'	S40°44'55"E	80°18'51"
C14	75.00'	16.97'	8.52'	16.94'	N36°18'49"W	12°58'00"
C15	50.00'	14.82'	7.47'	14.77'	S38°19'18"E	16°58'59"
C16	60.00'	37.10'	19.17'	36.51'	S72°18'35"W	35°25'51"
C17	50.00'	19.01'	9.62'	18.90'	S44°05'50"W	21°47'08"
C18	85.00'	11.73'	5.88'	11.72'	S4°32'46"E	7°54'33"
C19	75.00'	41.66'	21.38'	41.12'	N5°09'08"E	31°49'23"
C20	350.00'	52.97'	26.53'	52.92'	N4°55'37"W	8°40'14"

CURVE TABLE						
CURVE	RADIUS	LENGTH	TANGENT	CHORD	BEARING	DELTA
C21	271.00'	48.09'	24.11'	48.03'	S5°40'32"E	10°10'05"
C22	300.00'	53.24'	26.69'	53.17'	S5°40'32"E	10°10'05"
C23	35.00'	54.64'	34.66'	49.25'	N45°18'40"W	89°26'22"
C24	7.00'	21.99'	INFINITY	14.00'	S89°24'30"W	180°00'00"
C25	30.00'	47.42'	30.30'	42.63'	N44°41'20"E	90°33'38"
C26	2.00'	6.28'	INFINITY	4.00'	N89°24'30"E	180°00'00"
C27	768.12'	87.69'	43.89'	87.64'	N3°51'43"W	6°32'28"
C28	768.13'	87.69'	43.89'	87.64'	S3°51'43"E	6°32'28"



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EL PASO, TEXAS 79905
PHONE: (915) 592-0263
FAX: (915) 592-0266

TIERRA DEL ESTE UNIT 76
BING PORTION OF SECTIONS 18, BLOCK 78, AND PORTION OF SECTIONS 37 AND 48, AND BLOCK 79, TOWNSHIP 2, TEXAS, AND PACIFIC RAILWAY CO. SURVEYS, CITY OF EL PASO, EL PASO COUNTY, TEXAS CONTAINING: 86.09± ACRES

PROJECT NAME
TIERRA DEL ESTE UNIT 76

BENCHMARK
CITY MONUMENT AT THE CENTERLINE INTERSECTION OF RALPH SETTSINGER DR. AND GALICENO PL. ELEVATION 4025.63

DATE
03/09/14

REVISIONS
BY: R.R.
R.R.

DATE
03/09/14

BY
R.R.

REVISIONS
POND SIZE INCREASE AND SLOPE CHANGE TO 81

SCALE
HORIZ: 1" = 10'
VERT: 1" = 10'

DATE
MAY 2013

DESIGN BY
Y.C.

INITIATED BY
R.R.

CHECKED BY
Y.C.

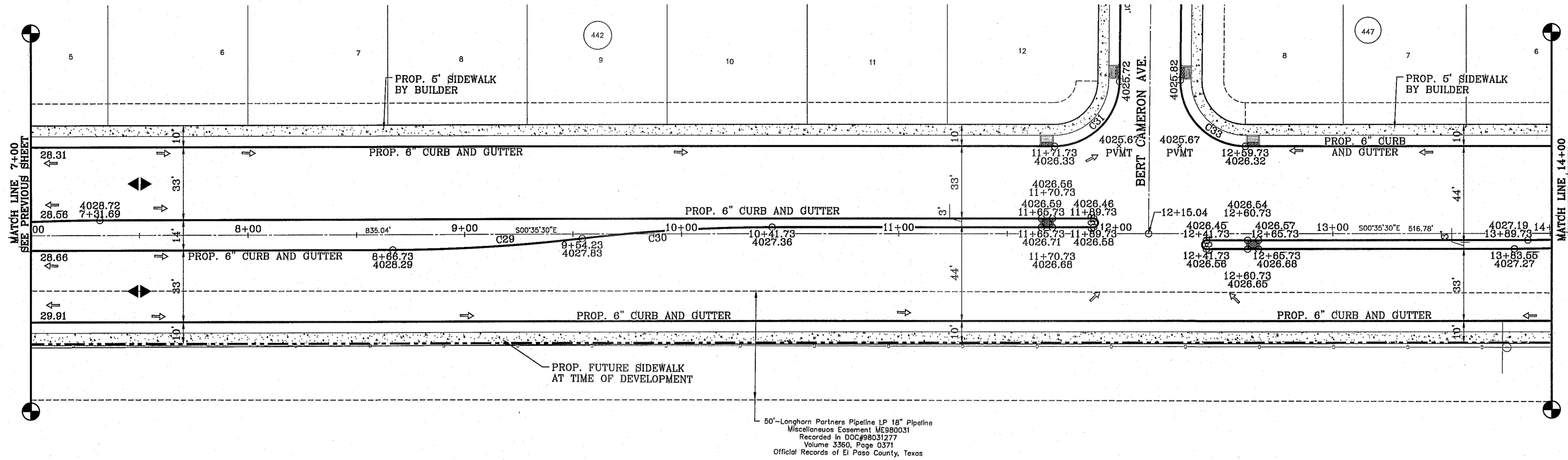
JOB NO.
113-35

SHEET TITLE
STREET PLAN - PROFILE
TIERRA DEL ESTE UNIT SEVENTY SIX

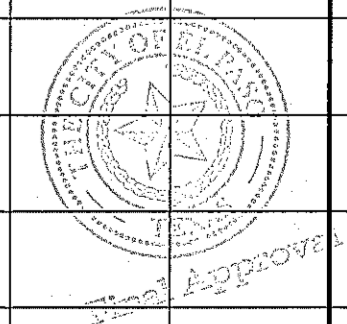
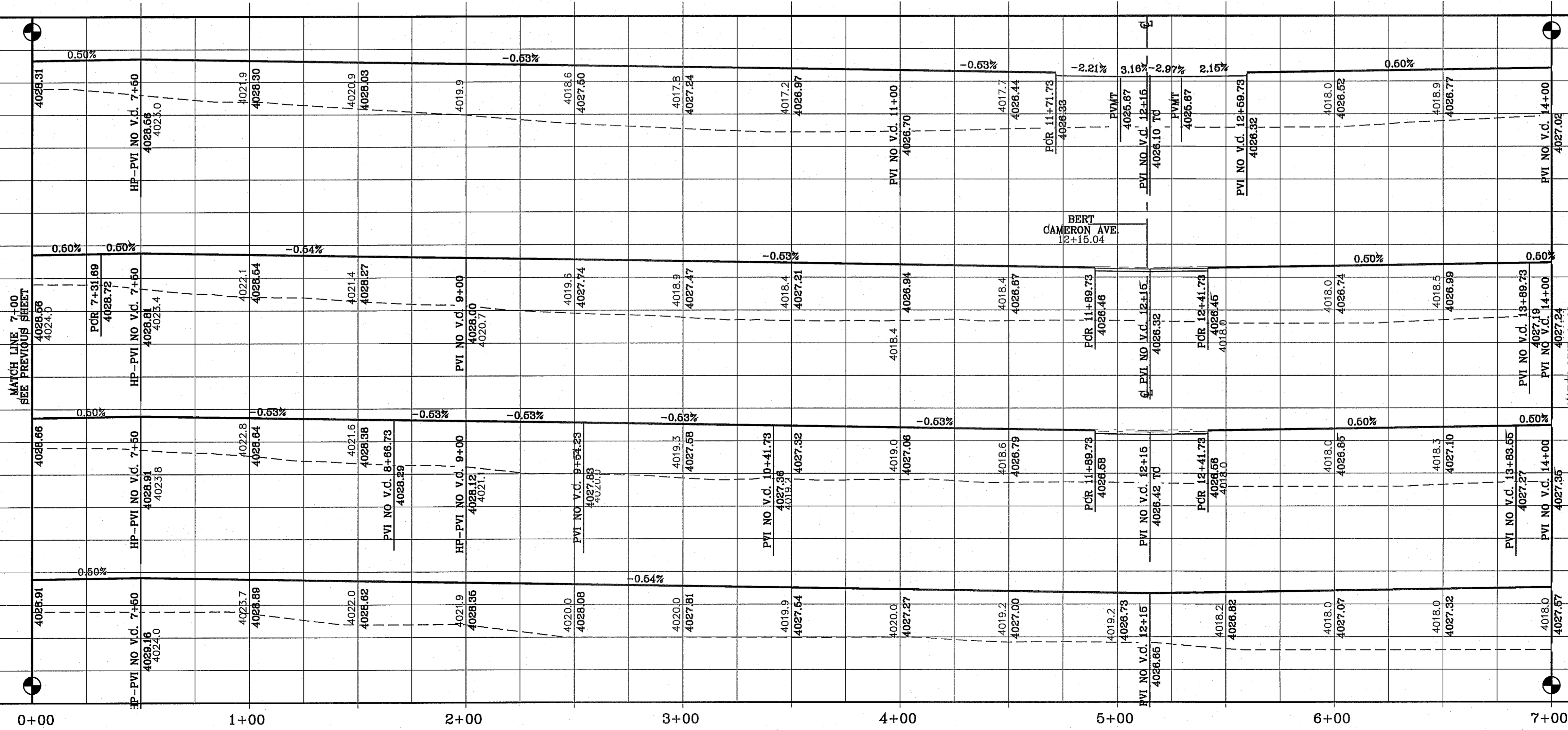
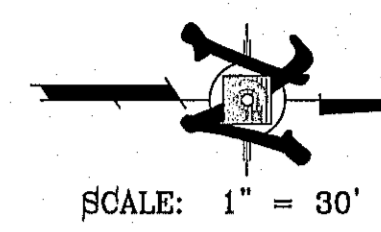
FROM STA: 0+00 TO STA: 7+00

SHT 19 OF 72

FILE LOCATION s:_subdivisions\TDE 76\DWG\PP-TIM FLOYD PLOTTED ON Monday, September 29, 2014 2:49:36 PM BY RUBEN RIVERA



CURVE	RADIUS	LENGTH	TANGENT	CHORD	BEARING	DELTA
C29	768.13'	87.69'	43.89'	87.64'	N3°51'43\"W	6°32'28\"
C30	768.13'	87.69'	43.89'	87.64'	S3°51'43\"E	6°32'28\"
C31	30.00'	46.83'	29.71'	42.22'	N45°18'40\"W	89°26'22\"
C32	2.00'	6.28'	INFINITY'	4.00'	S89°24'30\"W	180°00'00\"
C33	30.00'	47.42'	30.30'	42.63'	N44°41'20\"E	90°33'38\"
C34	2.00'	6.28'	INFINITY'	4.00'	N89°24'30\"E	180°00'00\"



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TIERRA DEL ESTE UNIT 76
 BEING PORTION OF SECTION 18, BLOCK 78,
 AND PORTION OF SECTIONS 37 AND 48,
 BLOCK 79, TOWNSHIP 2, TEXAS
 AND PACIFIC RAILWAY CO. SURVEYS,
 CITY OF EL PASO, EL PASO COUNTY, TEXAS
 CONTAINING: 86.09± ACRES

PROJECT NAME
 TIERRA DEL ESTE UNIT SEVENTY SIX

SCALE
 HORIZ: 1" = 10'
 VERT: 1" = 10'

DATE: MAY 2013
DESIGN BY: Y.C.
INITIATED BY: R.R.
CHECKED BY: Y.C.
JOB NO.: 113-95

REVISIONS

DATE	BY	REVISIONS
03/05/14	R.R.	POND SIZE INCREASE AND SLOPE CHANGE TO 3:1

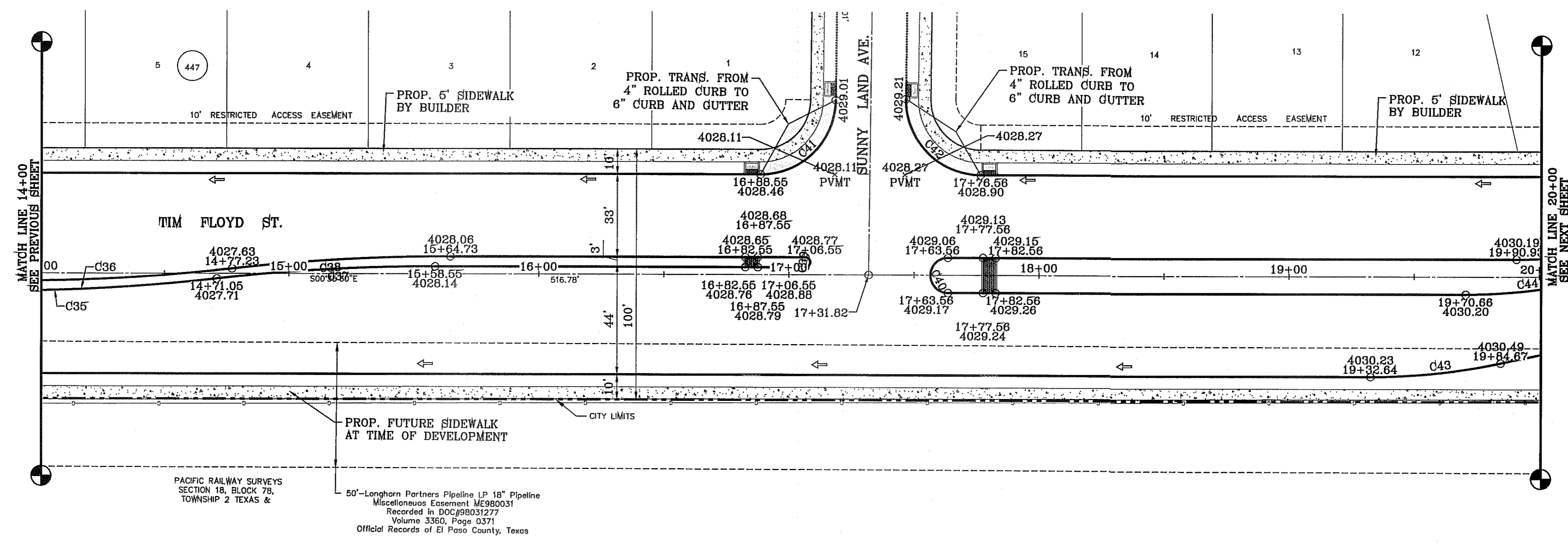
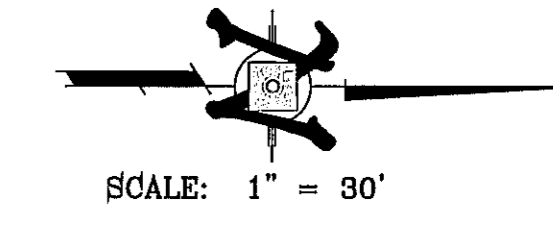
BENCHMARK
 CITY MONUMENT AT THE CENTERLINE INTERSECTION OF
 RALPH SEITZINGER DR. AND GALICENO PL.
 ELEVATION 4025.63

SHEET TITLE
 STREET
 PLAN-PROFILE
TIM FLOYD ST.
 FROM STA: 7+00
 TO STA: 14+00

SHT 20 OF 72

FILE LOCATION: \\Subdivisions\TDE 76\DWG\PP-TIM FLOYD PLOTTED ON Tuesday, September 23, 2014 8:45:59 AM BY RUBEN RIVERA

CURVE	RADIUS	LENGTH	TANGENT	CHORD	BEARING	DELTA
C35	768.13'	87.69'	43.89'	87.64'	N3°51'43"W	6°32'28"
C36	768.13'	87.69'	43.89'	87.64'	N3°51'43"W	6°32'28"
C37	768.13'	87.69'	43.89'	87.64'	S3°51'43"E	6°32'28"
C38	768.13'	87.69'	43.89'	87.64'	S3°51'43"E	6°32'28"
C39	2.00'	6.28'	INFINITY'	4.00'	S89°24'30"W	180°00'00"
C40	7.00'	21.99'	INFINITY'	14.00'	N89°24'30"E	180°00'00"
C41	30.00'	46.81'	29.69'	42.20'	N45°17'35"W	89°24'10"
C42	30.00'	47.44'	30.31'	42.65'	N44°42'25"E	90°35'50"
C43	250.00'	52.41'	26.30'	52.31'	N6°35'49"W	12°00'39"
C44	221.00'	46.33'	23.25'	46.24'	N6°35'49"W	12°00'39"



STATION	ELEVATION	GRADING	REMARKS	STATION	ELEVATION	GRADING	REMARKS
14+00	4027.57	0.50%		14+00	4030.00	0.50%	
14+10	4019.2	0.50%		14+10	4022.0	0.50%	
14+20	4027.82	0.50%		14+20	4027.82	0.50%	
14+30	4027.80	0.50%		14+30	4027.80	0.50%	
14+40	4027.71	0.50%		14+40	4027.71	0.50%	
14+50	4027.63	0.50%		14+50	4027.63	0.50%	
14+60	4027.57	0.50%		14+60	4027.57	0.50%	
14+70	4027.50	0.50%		14+70	4027.50	0.50%	
14+80	4027.43	0.50%		14+80	4027.43	0.50%	
14+90	4027.36	0.50%		14+90	4027.36	0.50%	
15+00	4027.30	0.50%		15+00	4027.30	0.50%	
15+10	4027.24	0.50%		15+10	4027.24	0.50%	
15+20	4027.18	0.50%		15+20	4027.18	0.50%	
15+30	4027.12	0.50%		15+30	4027.12	0.50%	
15+40	4027.06	0.50%		15+40	4027.06	0.50%	
15+50	4027.00	0.50%		15+50	4027.00	0.50%	
15+60	4026.94	0.50%		15+60	4026.94	0.50%	
15+70	4026.88	0.50%		15+70	4026.88	0.50%	
15+80	4026.82	0.50%		15+80	4026.82	0.50%	
15+90	4026.76	0.50%		15+90	4026.76	0.50%	
16+00	4026.70	0.50%		16+00	4026.70	0.50%	
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17+20	4025.98	0.50%		17+20	4025.98	0.50%	
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17+70	4025.68	0.50%		17+70	4025.68	0.50%	
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17+90	4025.56	0.50%		17+90	4025.56	0.50%	
18+00	4025.50	0.50%		18+00	4025.50	0.50%	
18+10	4025.44	0.50%		18+10	4025.44	0.50%	
18+20	4025.38	0.50%		18+20	4025.38	0.50%	
18+30	4025.32	0.50%		18+30	4025.32	0.50%	
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18+60	4025.14	0.50%		18+60	4025.14	0.50%	
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18+80	4025.02	0.50%		18+80	4025.02	0.50%	
18+90	4024.96	0.50%		18+90	4024.96	0.50%	
19+00	4024.90	0.50%		19+00	4024.90	0.50%	
19+10	4024.84	0.50%		19+10	4024.84	0.50%	
19+20	4024.78	0.50%		19+20	4024.78	0.50%	
19+30	4024.72	0.50%		19+30	4024.72	0.50%	
19+40	4024.66	0.50%		19+40	4024.66	0.50%	
19+50	4024.60	0.50%		19+50	4024.60	0.50%	
19+60	4024.54	0.50%		19+60	4024.54	0.50%	
19+70	4024.48	0.50%		19+70	4024.48	0.50%	
19+80	4024.42	0.50%		19+80	4024.42	0.50%	
19+90	4024.36	0.50%		19+90	4024.36	0.50%	
20+00	4024.30	0.50%		20+00	4024.30	0.50%	

SHEET TITLE

STREET PLAN-PROFILE

TIM FLOYD ST.

FROM STA: 14+00 TO STA: 20+00

SHEET NO. 21 OF 72

CONDE INC. ENGINEERING / PLANNING SURVEYING / GPS 6080 SURETY DR. STE 100 EL PASO, TEXAS 79905 PHONE: (915) 592-0283 FAX: (915) 592-0286

ENGINEER'S SEAL

SCALE: 1" = 10'

HORIZ. 1" = 10'

VERT. 1" = 10'

DATE: MAY 2013

DESIGN BY: Y.C.

INITIATED BY: R.R.

CHECKED BY: Y.C.

JOB NO.: 113-56

PROJECT NAME

TIERRA DEL ESTE UNIT 76

BEING PORTION OF SECTION 16, BLOCK 76, AND BLOCK 79, TOWNSHIP 2, RANGE 46, AND PACIFIC RAILWAY CO. SURVEYS, CITY OF EL PASO, EL PASO COUNTY, TEXAS CONTAINING: 86.09+ ACRES

BENCHMARK

CITY MONUMENT AT THE CENTERLINE INTERSECTION OF RALPH SETSINGER DR. AND GALICENO PL. ELEVATION 4025.93

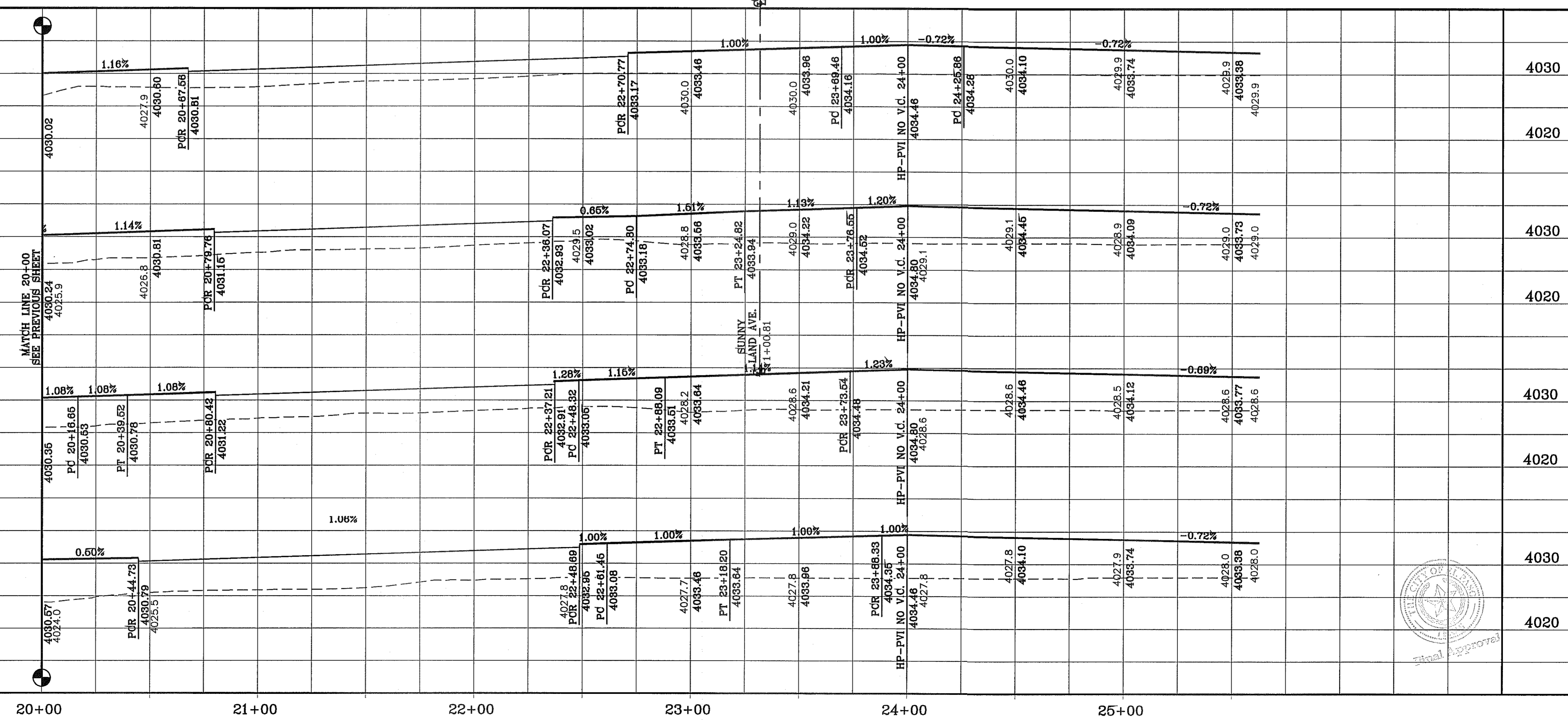
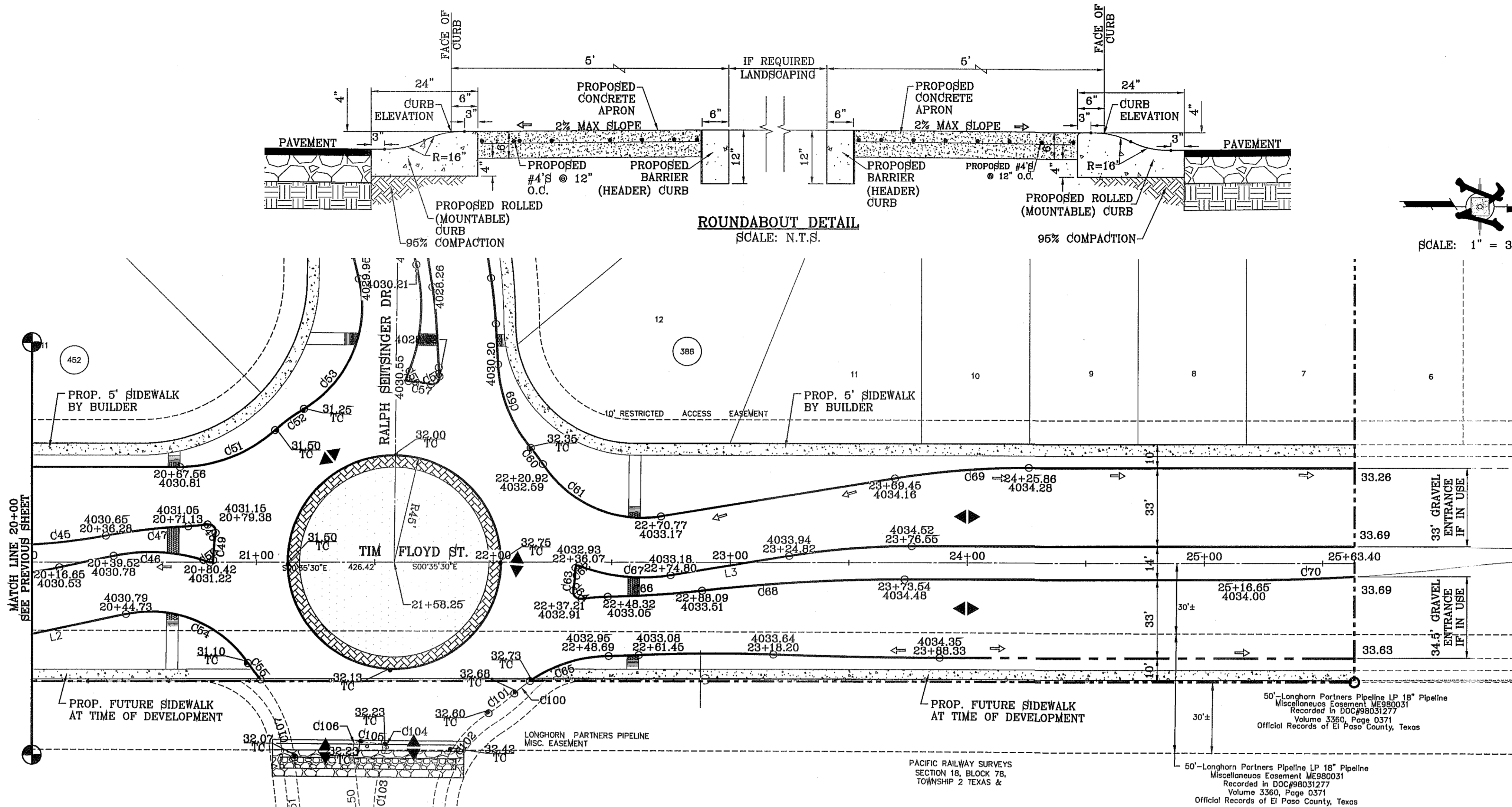
DATE: 03/05/14

REVISIONS

BY: R.R.

POND SIZE INCREASE AND SLOPE CHANGE TO 3:1

CURVE TABLE						
CURVE	RADIUS	LENGTH	TANGENT	CHORD	BEARING	DELTA
C45	250.00'	45.60'	22.87'	45.54'	N5°49'03"W	10°27'06"
C46	75.00'	41.51'	21.30'	40.98'	S3°15'14"W	31°42'46"
C47	250.00'	35.10'	17.58'	35.07'	S7°01'18"E	8°02'36"
C48	3.00'	5.62'	4.08'	4.83'	S45°03'51"W	107°17'58"
C49	76.50'	11.54'	5.78'	11.53'	S85°36'26"E	8°38'33"
C50	1.00'	1.90'	1.40'	1.63'	N35°24'33"W	109°02'20"
C51	60.00'	44.20'	23.16'	43.20'	N21°41'39"W	42°12'20"
C52	75.00'	15.20'	7.63'	15.18'	S36°59'22"E	11°36'54"
C53	50.00'	63.77'	37.05'	59.54'	N67°43'14"W	73°04'38"
C54	50.00'	58.99'	33.47'	55.62'	S21°11'38"W	67°35'33"
C55	75.00'	8.75'	4.38'	8.75'	N51°38'45"E	6°41'18"
C56	1.00'	1.90'	1.40'	1.63'	N58°25'08"E	109°02'20"
C57	76.50'	9.57'	4.79'	9.56'	S7°28'57"W	7°09'57"
C58	3.00'	5.62'	4.08'	4.83'	N42°35'04"W	107°17'58"
C59	60.00'	38.47'	19.92'	37.81'	N67°55'19"E	36°44'07"
C60	75.00'	8.56'	4.29'	8.56'	S52°49'28"W	6°32'25"
C61	50.00'	57.56'	32.45'	54.44'	N23°06'50"E	65°57'42"
C62	1.00'	1.90'	1.40'	1.63'	S34°18'16"E	109°02'20"
C63	76.50'	9.59'	4.80'	9.58'	N85°13'56"W	7°11'00"
C64	3.00'	5.62'	4.08'	4.83'	N44°42'34"E	107°17'58"
C65	60.00'	35.28'	18.17'	34.77'	S18°15'58"E	33°41'15"
C66	400.00'	39.87'	19.95'	39.85'	N4°16'40"W	5°42'39"
C67	75.00'	39.38'	20.15'	38.93'	N5°10'26"E	30°04'55"
C68	750.00'	85.63'	42.86'	85.59'	S3°51'45"E	6°32'30"
C69	350.00'	56.66'	28.39'	56.60'	S5°13'45"E	9°16'32"
C70	768.13'	46.78'	23.40'	46.77'	N2°20'11"W	3°29'22"
C100	60.00'	8.42'	4.22'	8.41'	S39°07'51"E	8°02'30"
C101	75.00'	13.70'	6.87'	13.68'	N37°55'10"W	10°27'53"
C102	50.00'	58.80'	33.33'	55.47'	S66°22'28"E	67°22'31"
C103	75.00'	41.23'	21.15'	40.71'	S84°18'52"E	31°29'44"
C104	1.00'	1.90'	1.40'	1.63'	S56°54'50"W	109°02'20"
C105	76.50'	9.90'	4.96'	9.90'	N6°06'13"E	7°25'06"
C106	3.00'	5.62'	4.08'	4.83'	S43°50'13"E	107°17'58"
C107	60.00'	36.24'	18.69'	35.69'	S65°36'20"W	34°36'27"



FILE LOCATION: s:\subdivisions\TDE 76\DWG\PP-TIM FLOYD PLOTTED ON Tuesday, September 23, 2014 8:44:11 AM BY RUBEN RIVERA

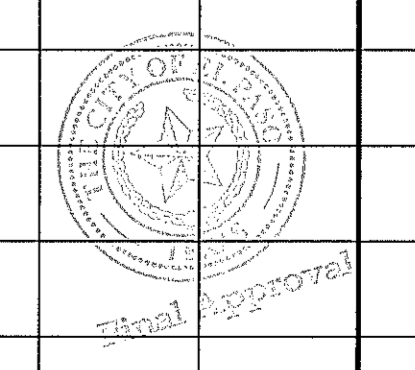
CITY MONUMENT AT THE CENTERLINE INTERSECTION OF RALPH SEIBSINGER DR. AND GALICENO PL. ELEVATION 4025.85	BY	
	DATE	03/05/14
REVISIONS	NO.	
	DESCRIPTION	POND SIZE INCREASE AND SLOPE CHANGE TO 3:1

PROJECT NAME
TIERRA DEL ESTE UNIT 76
BEING PORTION OF SECTIONS 18, BLOCK 78, AND BLOCK 79, TOWNSHIP 2, TEXAS AND PACIFIC RAILWAY CO. SURVEYS, CITY OF EL PASO, EL PASO COUNTY, TEXAS CONTAINING: 66.09± ACRES

SCALE
HORIZ: 1" = 30'
VERT: 1" = 10'
DATE: MAY 2013
DESIGN BY: Y.C.
INITIATED BY: R.R.
CHECKED BY: Y.C.
JOB NO.: 113-36

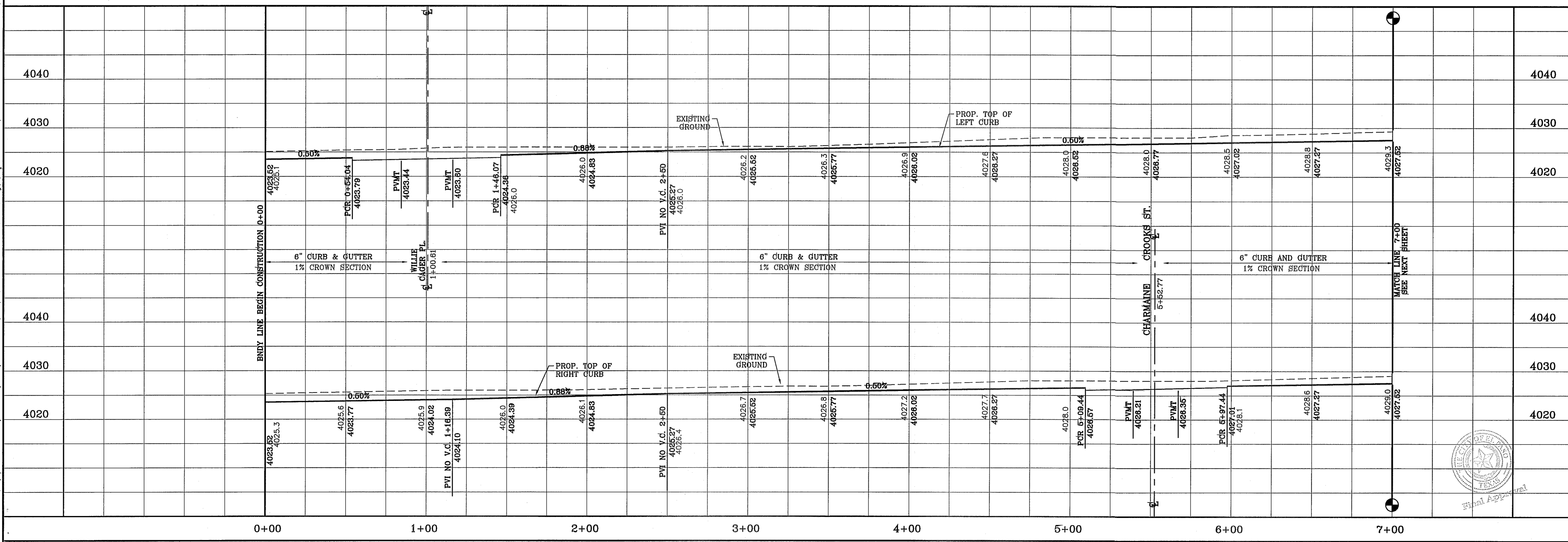
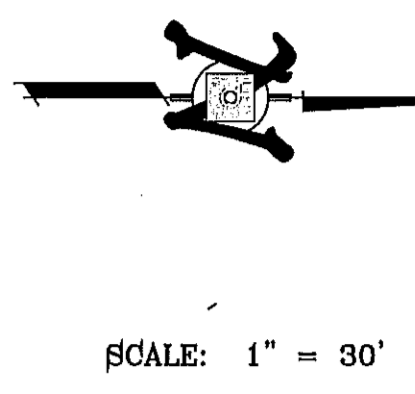
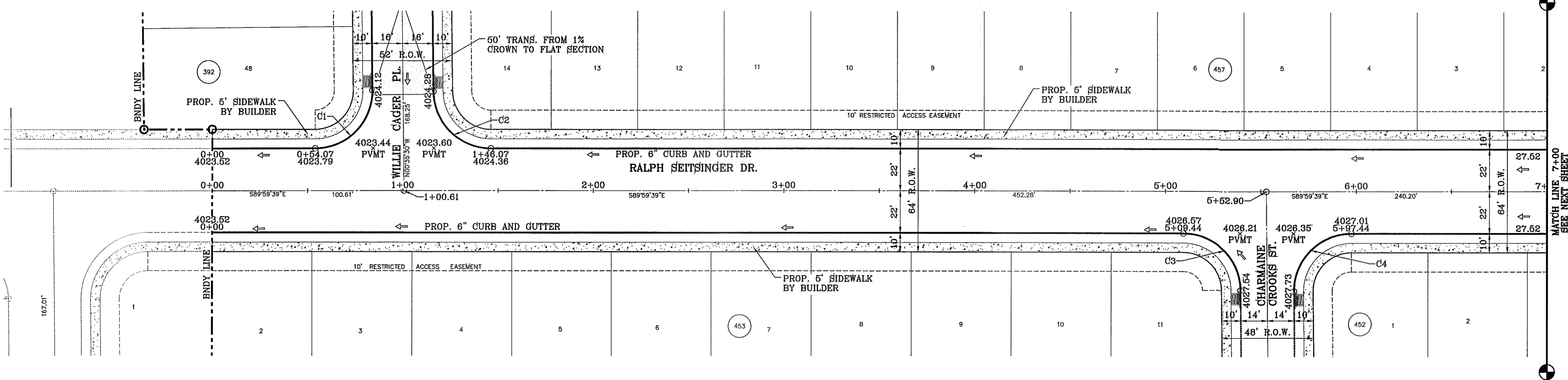
ENGINEER'S SEAL
CONDE INC.
ENGINEERING / PLANNING
SURVEYING / GPS
6080 SURETY DR. STE. 100
EL PASO, TEXAS 79905
PHONE: (915) 592-0285
FAX: (915) 592-0286

SHEET TITLE
STREET PLAN - PROFILE
TIM FLOYD ST.
FROM STA: 20+00 TO STA: 25+63.40
SHT 22 OF 72



FILE LOCATION S:\Subdivisions\IDE 76.DWG PP-RALPH SEITZINGER PLOTTED ON Tuesday, September 23, 2014 8:44:26 AM BY RUBEN RIVERA

CURVE TABLE						
CURVE	RADIUS	LENGTH	TANGENT	CHORD	BEARING	DELTA
C1	30.00'	47.44'	30.31'	42.65'	N44°42'25"E	90°35'50"
C2	30.00'	46.81'	29.69'	42.20'	S45°17'35"E	89°24'10"
C3	30.00'	46.81'	29.69'	42.20'	N45°17'35"W	89°24'10"
C4	30.00'	47.44'	30.31'	42.65'	S44°42'25"W	90°35'50"



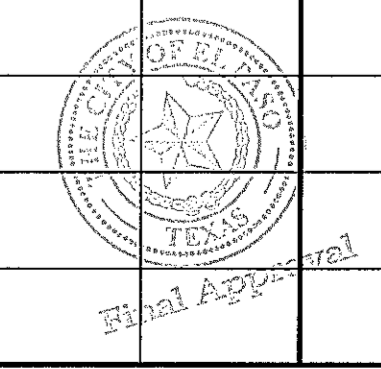
BENCHMARK	CITY MOUNTAIN AT THE CENTERLINE INTERSECTION OF RALPH SEITZINGER DR. AND GALICENO PL. ELEVATION 4025.83
DATE	03/05/14
REVISIONS	POND SIZE INCREASE AND SLOPE CHANGE TO 3:1
BY	R.R.

PROJECT NAME
TIERRA DEL ESTE UNIT 76
 BEING PORTION OF SECTION 8, BLOCK 78, AND BLOCK 79, TOWNSHIP 2 NORTH AND PACIFIC RAILWAY CO. SURVEYS, CITY OF EL PASO, EL PASO COUNTY, TEXAS
 CONTAINING: 86.09± ACRES

SCALE
 HORIZ: 1" = 30'
 VERT: 1" = 10'
 DATE: MAY 2013
 DESIGN BY: Y.C.
 INITIATED BY: R.R.
 CHECKED BY: Y.C.
 JOB NO.: 113-36

ENGINEER'S SEAL
 CONDE INC.
 ENGINEERING / PLANNING
 SURVEYING / GPS
 6080 SURETY DR. STE 100
 EL PASO, TEXAS 79905
 PHONE: (915) 592-0283
 FAX: (915) 592-0286

SHEET TITLE
STREET PLAN-PROFILE
RALPH SEITZINGER DR.
 FROM STA: 0+00 TO STA: 7+00
SHT 23 OF 72

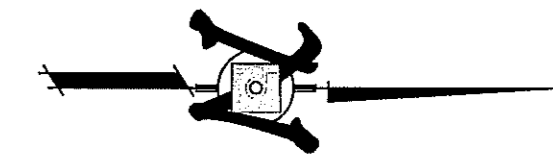


FILE LOCATION E:\Subdivisions\TDE 76.DWG\PP-RALPH SEITZINGER PLOTTED ON Tuesday, September 23, 2014 8:44:32 AM BY RUBEN RIVERA

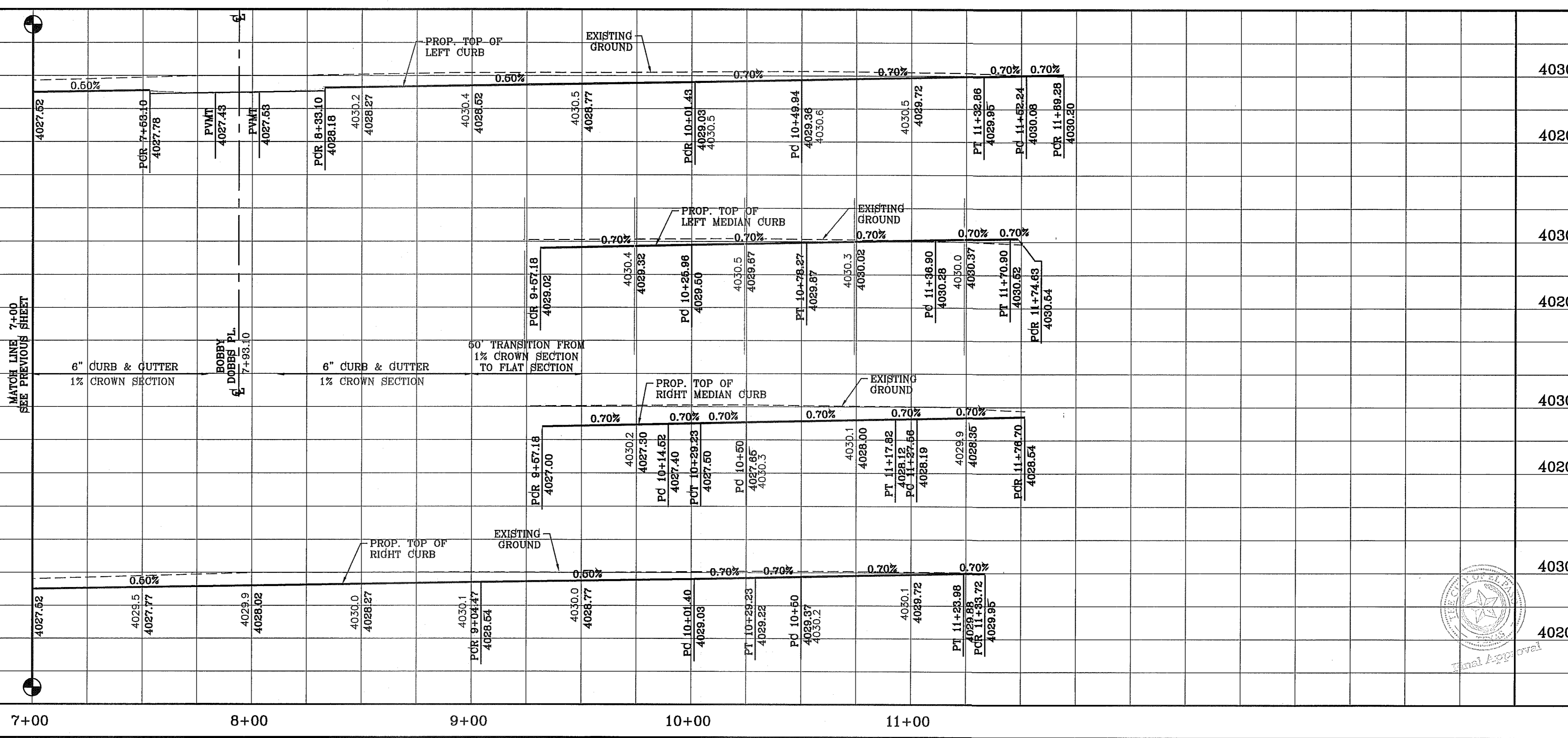
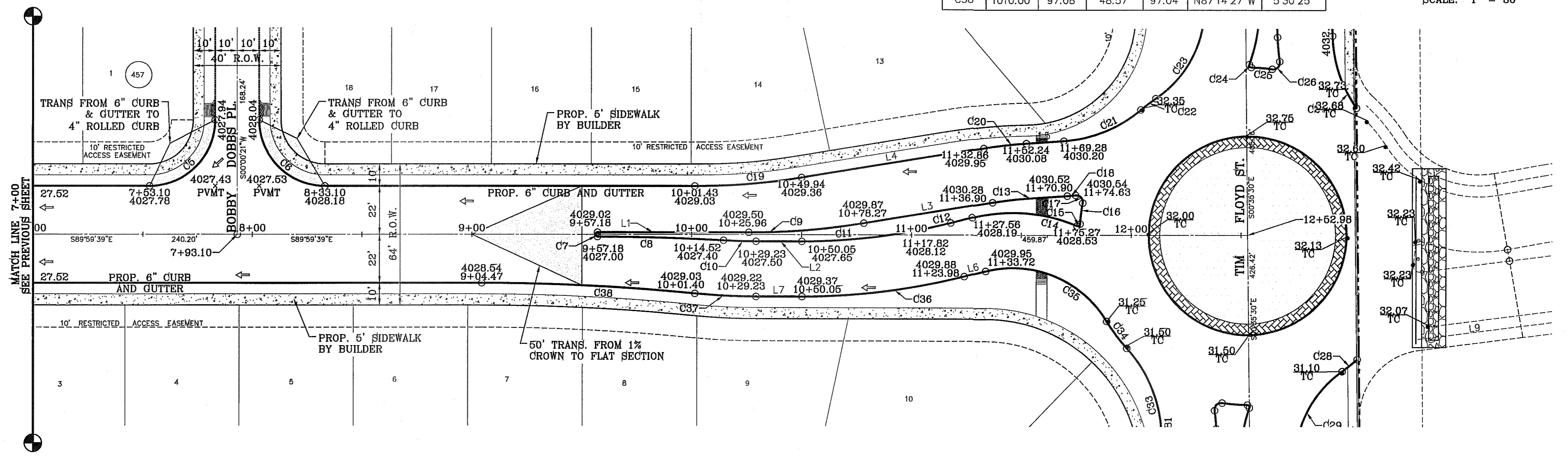
CURVE TABLE						
CURVE	RADIUS	LENGTH	TANGENT	CHORD	BEARING	DELTA
C5	30.00'	47.12'	30.00'	42.43'	N45°00'21"E	90°00'00"
C6	30.00'	47.12'	30.00'	42.43'	S44°59'39"E	90°00'00"
C7	1.00'	3.14'	INFINITY	2.00'	S0°00'21"W	180°00'00"
C8	1033.50'	57.37'	28.69'	57.36'	N88°24'15"W	3°10'50"
C9	323.50'	52.55'	26.33'	52.49'	N85°21'08"E	9°18'24"
C10	265.00'	14.71'	7.36'	14.71'	S88°24'15"E	3°10'50"
C11	275.00'	68.47'	34.41'	68.29'	N82°52'24"E	14°15'54"
C12	275.00'	68.47'	34.41'	68.29'	N82°52'24"E	14°15'54"
C13	175.00'	17.08'	8.54'	17.07'	S83°29'40"W	5°35'27"
C14	75.00'	48.69'	25.24'	47.84'	N85°39'38"W	37°11'52"
C15	1.00'	1.90'	1.40'	1.63'	N58°25'08"E	109°02'20"

CURVE TABLE						
CURVE	RADIUS	LENGTH	TANGENT	CHORD	BEARING	DELTA
C16	76.50'	9.57'	4.79'	9.56'	S7°28'57"W	7°09'57"
C17	3.00'	5.62'	4.08'	4.83'	N42°35'04"W	107°17'58"
C18	85.00'	3.74'	1.87'	3.74'	N85°01'40"E	2°31'26"
C19	300.00'	48.73'	24.42'	48.68'	N85°21'08"E	9°18'24"
C20	200.00'	19.52'	9.77'	19.51'	S83°29'40"W	5°35'27"
C21	60.00'	38.47'	19.92'	37.81'	N67°55'19"E	36°44'07"
C22	75.00'	8.56'	4.29'	8.56'	S52°49'28"W	6°32'25"
C23	50.00'	57.56'	32.45'	54.44'	N23°06'50"E	65°57'42"
C24	1.00'	1.90'	1.40'	1.63'	S34°18'16"E	109°02'20"
C25	76.50'	9.59'	4.80'	9.58'	N85°13'56"W	7°11'00"
C26	3.00'	5.62'	4.08'	4.83'	N44°42'34"E	107°17'58"

CURVE TABLE						
CURVE	RADIUS	LENGTH	TANGENT	CHORD	BEARING	DELTA
C27	60.00'	35.28'	18.17'	34.77'	S18°15'58"E	33°41'15"
C28	75.00'	8.75'	4.38'	8.75'	N51°38'45"E	6°41'18"
C29	50.00'	58.99'	33.47'	55.62'	S21°11'38"W	67°35'33"
C30	1.00'	1.90'	1.40'	1.63'	N35°24'33"W	109°02'20"
C31	76.50'	11.54'	5.78'	11.53'	S85°36'26"E	8°38'33"
C32	3.00'	5.62'	4.08'	4.83'	S45°03'51"W	107°17'58"
C33	60.00'	44.20'	23.16'	43.20'	N21°41'39"W	42°12'20"
C34	75.00'	15.20'	7.63'	15.18'	S36°59'22"E	11°36'54"
C35	50.00'	63.77'	37.05'	59.54'	N67°43'14"W	73°04'38"
C36	300.00'	74.69'	37.54'	74.50'	N82°52'24"E	14°15'54"
C37	290.00'	27.87'	13.95'	27.86'	S87°14'27"E	5°30'25"
C38	1010.00'	97.08'	48.57'	97.04'	N87°14'27"W	5°30'25"



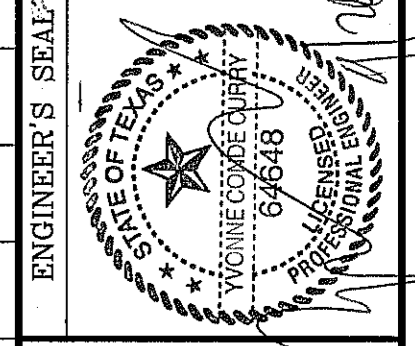
SCALE: 1" = 30'



BENCHMARK
CITY MONUMENT AT THE CENTERLINE INTERSECTION OF
RALPH SEITZINGER DR. AND GALICENO PL.
ELEVATION 4025.83
DATE 05/05/14
REVISIONS
POND SIZE INCREASE AND SLOPE CHANGE TO 3:1
BY: R.R.

PROJECT NAME
TIERRA DEL ESTE UNIT 76
BEING PORTION OF SECTIONS 18, BLOCK 78,
AND PORTION OF SECTIONS 37 AND 48,
AND BLOCK 79, TOWNSHIP 2, TEXAS
AND PACIFIC RAILWAY CO. SURVEYS,
CITY OF EL PASO, EL PASO COUNTY, TEXAS
CONTAINING: 86.09± ACRES

SCALE
HORIZ: 1" = 30'
VERT: 1" = 10'
DATE: MAY 2013
DESIGN BY: Y.C.
INITIATED BY: R.R.
CHECKED BY: Y.C.
JOB NO.: 113-56



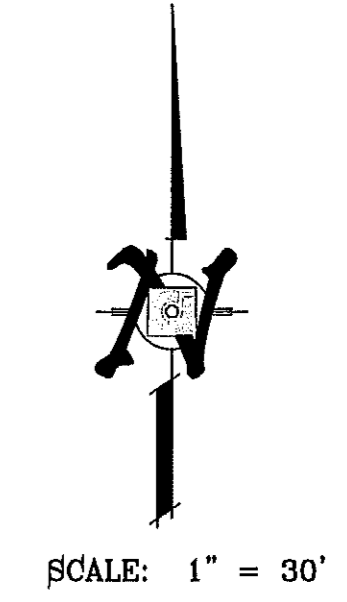
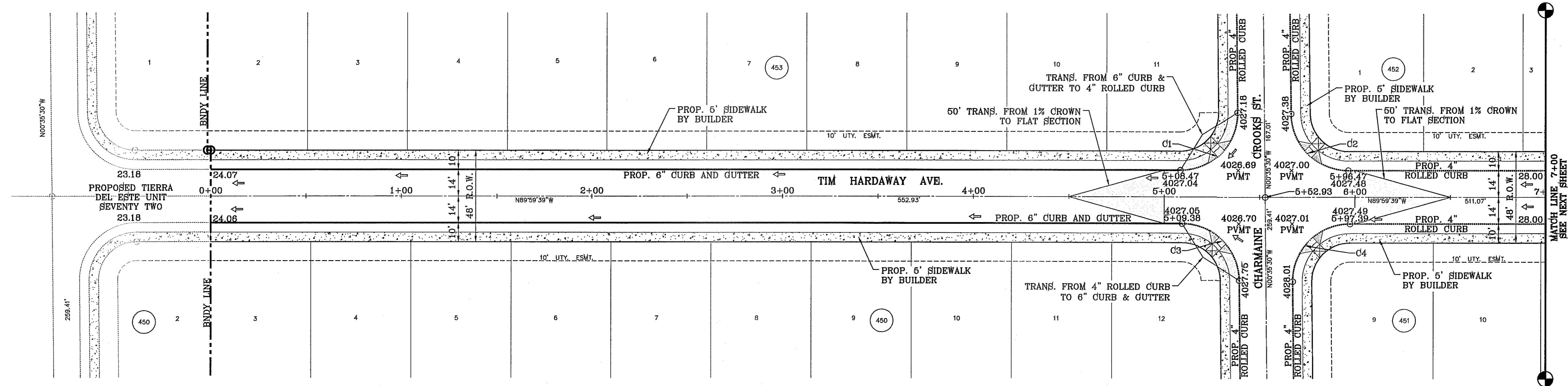
CONDE INC.
ENGINEERING / PLANNING
SURVEYING / GPS
6080 SURVEY DR. SITE 100
EL PASO, TEXAS 79905
PHONE: (915) 592-0283
FAX: (915) 592-0286



SHEET TITLE
**STREET
PLAN-PROFILE**
**RALPH
SEITZINGER
DR.**
FROM STA: 7+00
TO STA: 12+52.98
SHT 24 OF 72

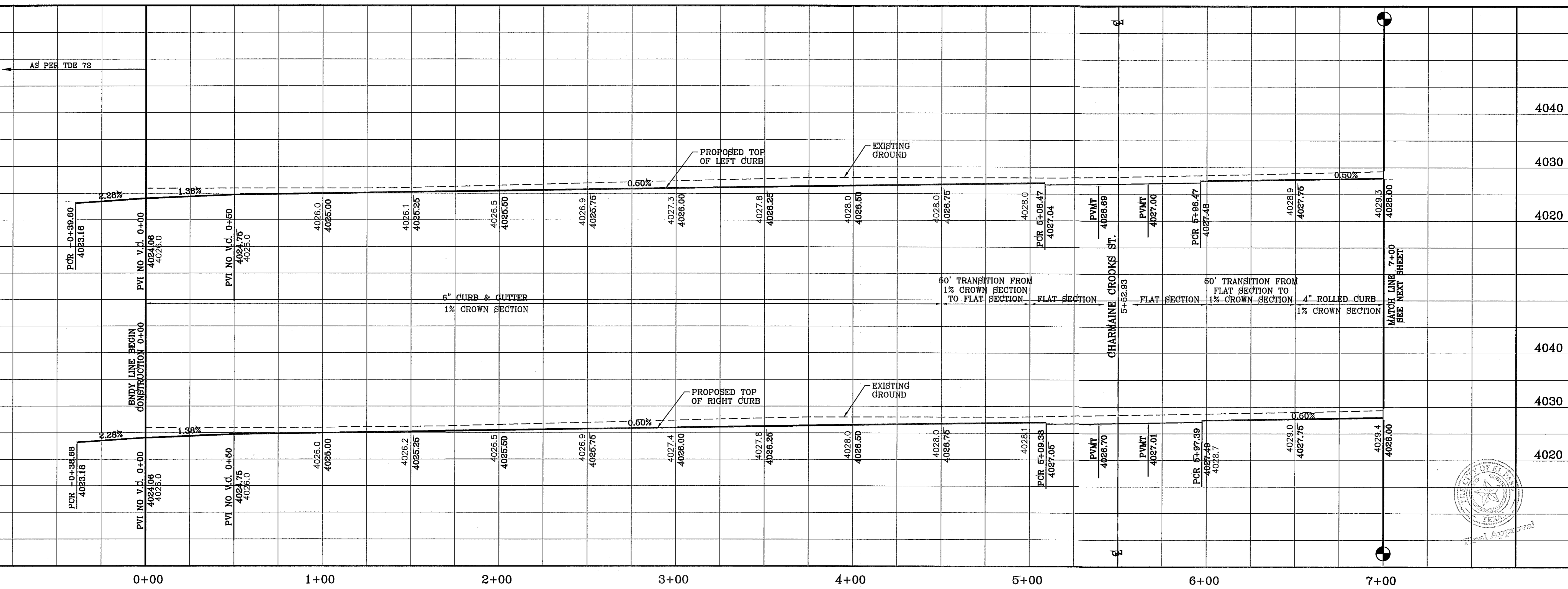
FILE LOCATION s:_subdivisions\TDE 76\DWG\PP-HARDWAY-BERAMON PLOTTED ON Tuesday, September 23, 2014 8:44:49 AM BY RUBEN RIVERA

CURVE TABLE						
CURVE	RADIUS	LENGTH	TANGENT	CHORD	BEARING	DELTA
C1	30.00'	47.44'	30.31'	42.65'	N44°42'25"E	90°35'50"
C2	30.00'	46.81'	29.69'	42.20'	S45°17'35"E	89°24'10"
C3	30.00'	46.81'	29.69'	42.20'	N45°17'35"W	89°24'10"
C4	30.00'	47.44'	30.31'	42.65'	S44°42'25"W	90°35'50"

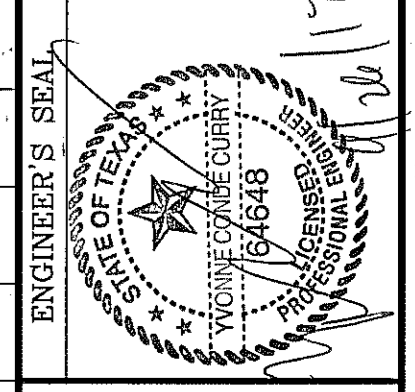


BENCHMARK	
CITY MONUMENT AT THE CENTERLINE INTERSECTION OF RALPH SEITSINGER DR. AND GALICENO PL.	ELEVATION 4025.83
DATE 05/05/14	REVISIONS
	BY
	R.R.
	POND SIZE INCREASE AND SLOPE CHANGE TO 3:1

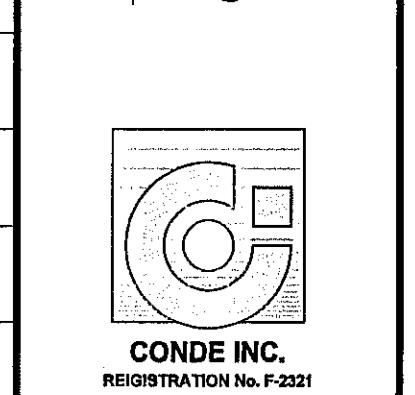
PROJECT NAME
TIERRA DEL ESTE UNIT 76
 BEING PORTION OF SECTION 18, BLOCK 78, AND PORTION OF SECTIONS 37 AND 48, BLOCK 79, TOWNSHIP 2, TEXAS AND PACIFIC RAILWAY CO. SURVEYS, CITY OF EL PASO, EL PASO COUNTY, TEXAS CONTAINING: 86.09± ACRES



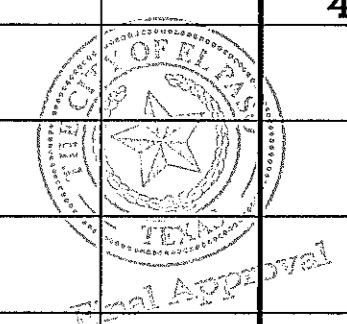
SCALE
 HORIZ: 1" = 30'
 VERT: 1" = 10'
 DATE: MAY 2013
 DESIGN BY: Y.C.
 INITIATED BY: R.R.
 CHECKED BY: Y.C.
 JOB NO.: 113-36



CONDE INC.
 ENGINEERING / PLANNING
 SURVEYING / GPS
 6090 SURETY DR. SITE 100
 EL PASO, TEXAS 79905
 PHONE: (915) 592-0283
 FAX: (915) 592-0286

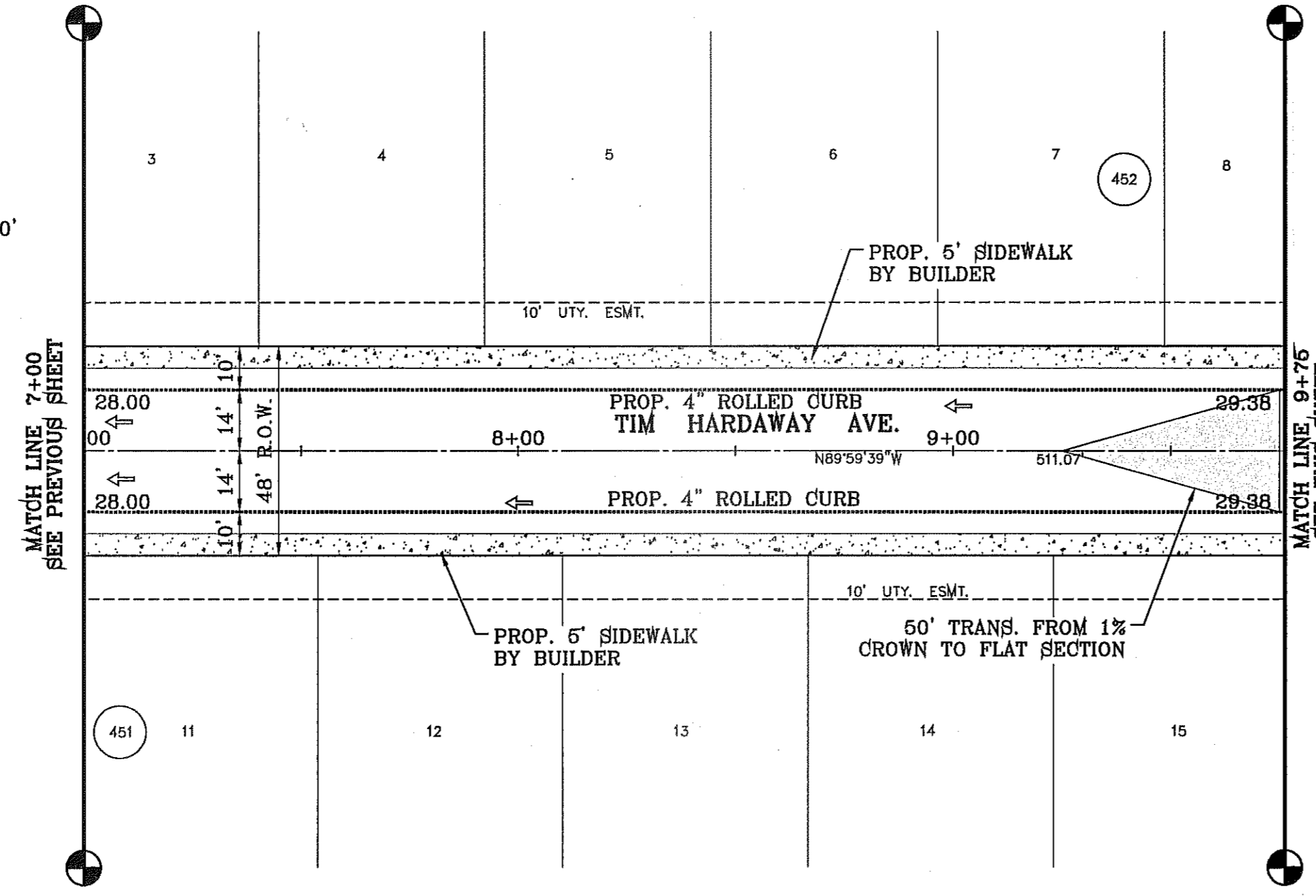
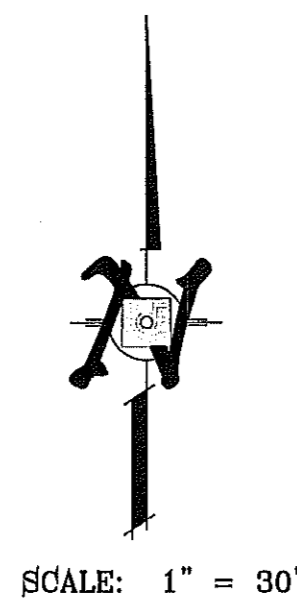


SHEET TITLE
STREET
PLAN-PROFILE
TIM HARDAWAY
AVE.
 FROM STA: 0+00 TO STA: 7+00
SHT 25 OF 72

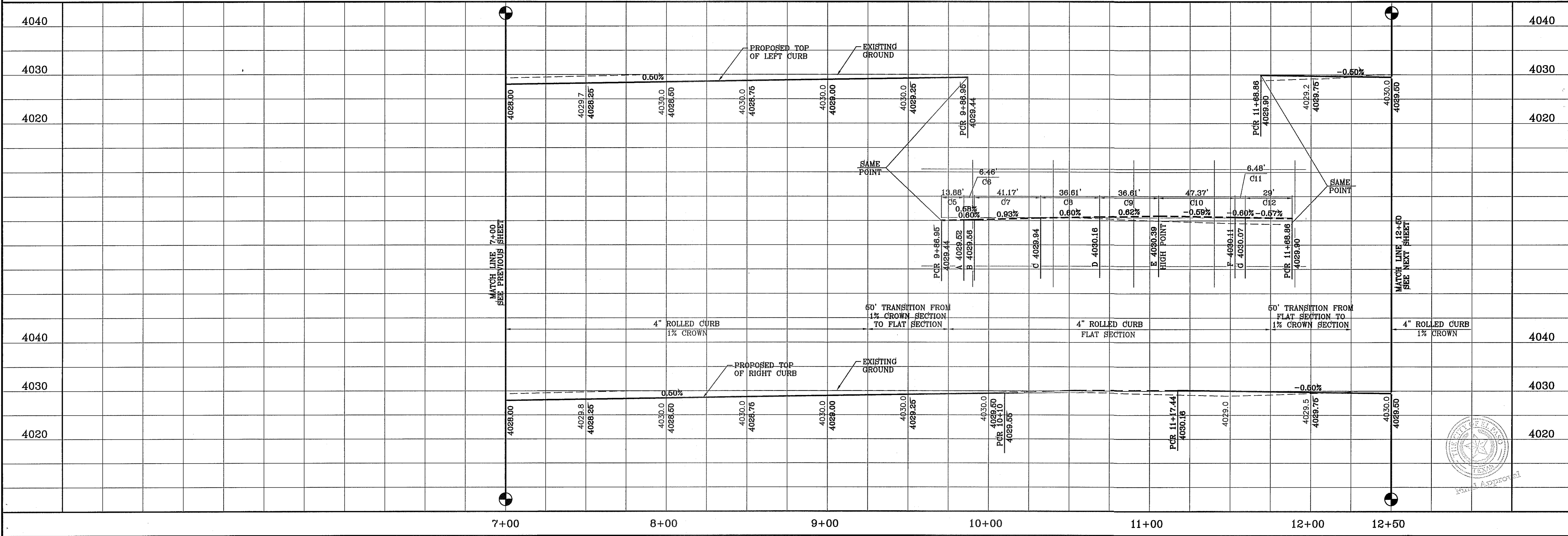
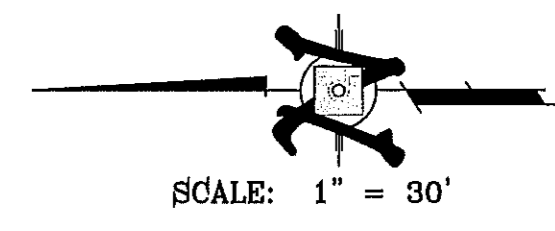
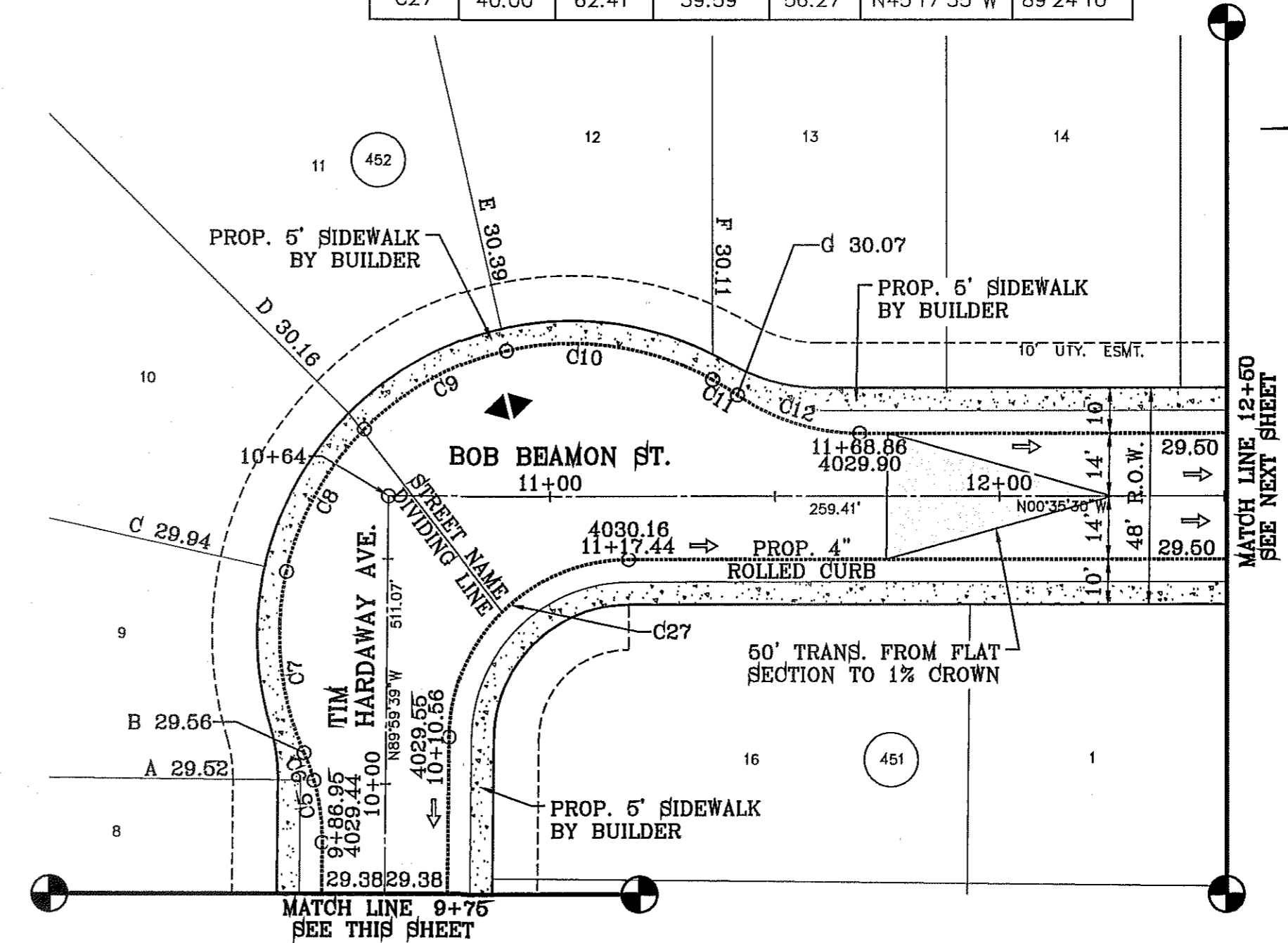


TIERRA DEL ESTE UNIT SEVENTY SIX

FILE LOCATION: E:\Subdivisions\76\DWG_PP-HARDWAY-BEAMON PLOTTED ON Tuesday, September 23, 2014 8:44:59 AM BY RUBEN RIVERA



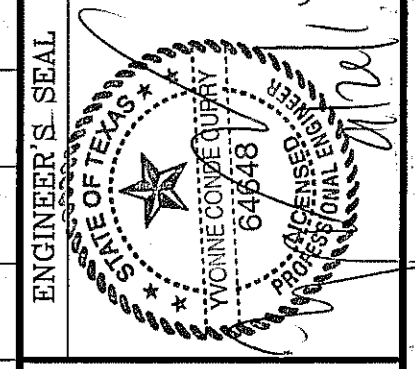
CURVE TABLE						
CURVE	RADIUS	LENGTH	TANGENT	CHORD	BEARING	DELTA
C5	48.00'	13.88'	6.99'	13.83'	N81°43'15"E	16°34'10"
C6	48.00'	6.46'	3.24'	6.46'	N69°34'41"E	7°42'59"
C7	65.00'	41.17'	21.30'	40.49'	S83°51'57"W	36°17'31"
C8	65.00'	36.61'	18.81'	36.13'	N61°51'10"W	32°16'17"
C9	65.00'	36.61'	18.81'	36.13'	N29°34'53"W	32°16'17"
C10	65.00'	47.37'	24.79'	46.33'	N7°26'02"E	41°45'32"
C11	65.00'	6.48'	3.24'	6.47'	N31°10'02"E	5°42'29"
C12	48.00'	29.00'	14.96'	28.56'	S16°42'54"W	34°36'46"
C27	40.00'	62.41'	39.59'	56.27'	N45°17'35"W	89°24'10"



BENCHMARK	
CITY MONUMENT AT THE CENTERLINE INTERSECTION OF RALPH SEITSINGER DR. AND GALICENO PL.	ELEVATION 4025.83
DATE	03/05/14
BY	R.R.
REVISIONS	POND SIZE INCREASE AND SLOPE CHANGE TO 3:1

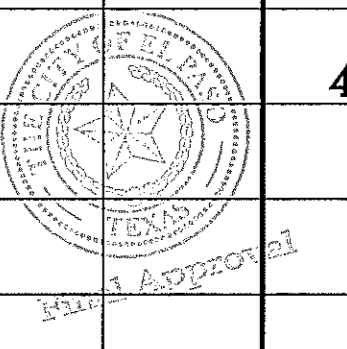
PROJECT NAME
TIERRA DEL ESTE UNIT 76
 BEING PORTION OF SECTION 18, BLOCK 78, AND PORTION OF SECTIONS 37 AND 48, BLOCK 79, TOWNSHIP 2, TEXAS AND PACIFIC RAILWAY CO. SURVEYS, CITY OF EL PASO, EL PASO COUNTY, TEXAS CONTAINING: .86.09± ACRES

SCALE
 HORIZ: 1" = 30'
 VERT: 1" = 10'
 DATE: MAY 2013
 DESIGN BY: Y.C.
 INITIATED BY: R.R.
 CHECKED BY: Y.C.
 JOB NO.: 113-36



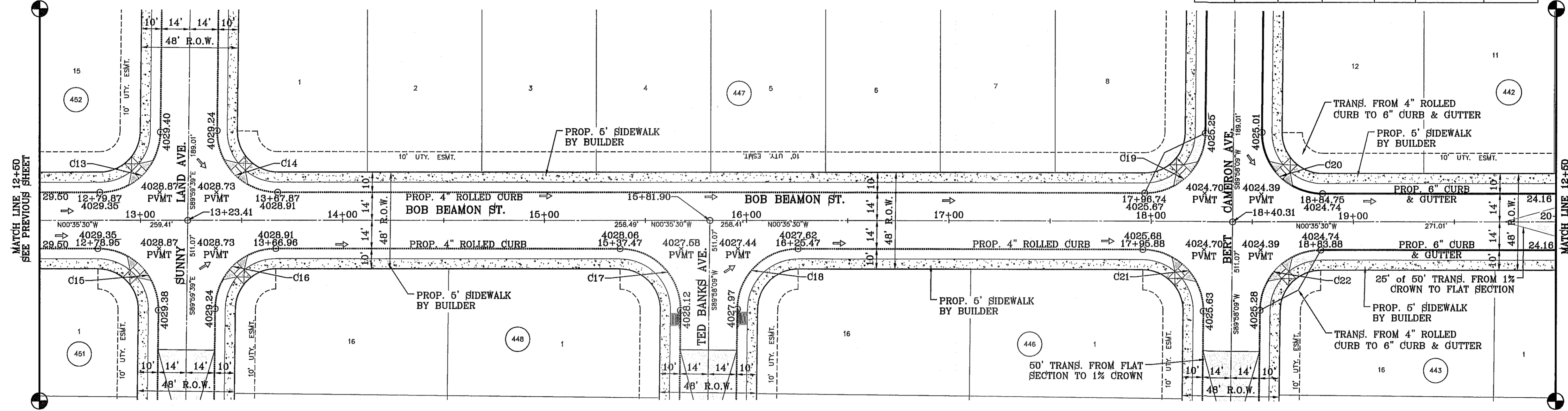
ENGINEER'S SEAL
CONDE INC.
 ENGINEERING / PLANNING / SURVEYING / GPS
 6082 SURVEY DR. STE 100
 EL PASO, TEXAS 79905
 PHONE: (915) 592-0283
 FAX: (915) 592-0286

SHEET TITLE
STREET PLAN-PROFILE
TIM HARDWAY AVE. / BOB BEAMON ST.
 FROM STA: 7+00 TO STA: 12+50
 SHT 26 OF 72

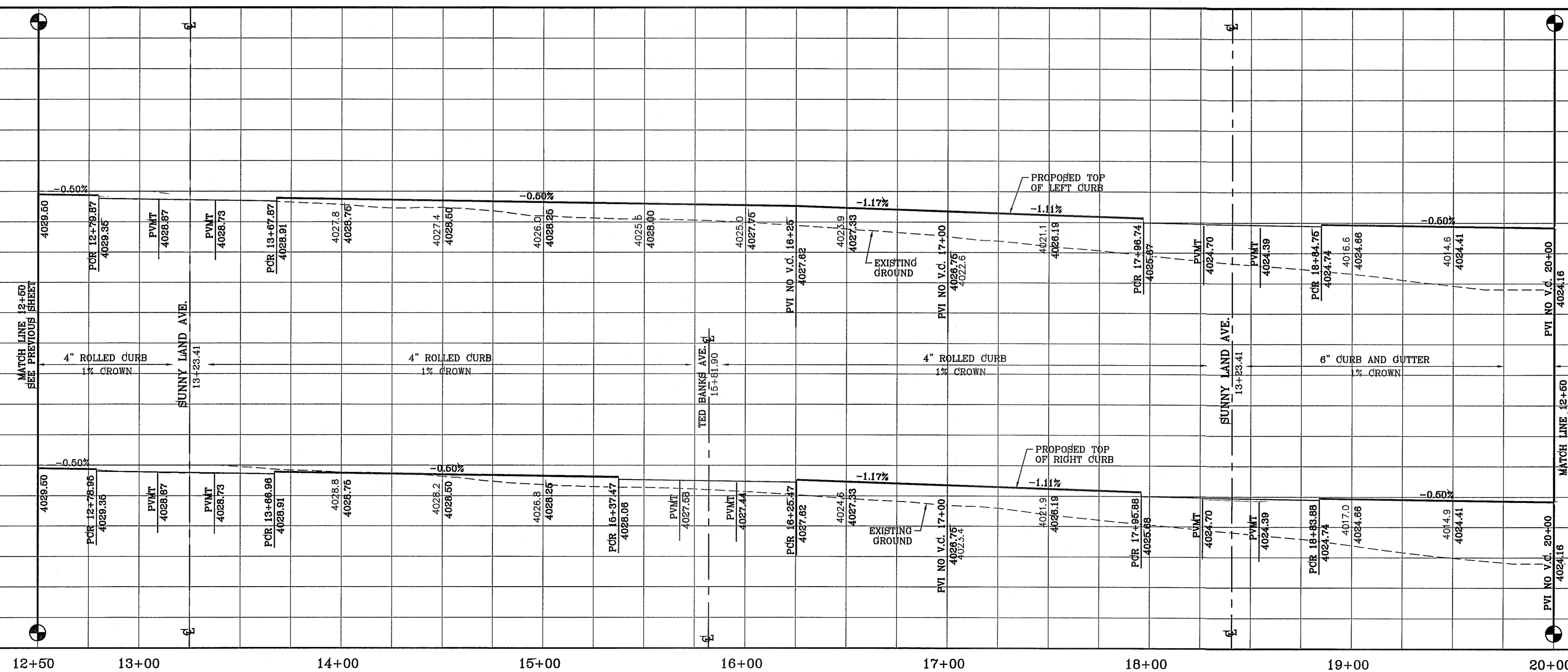
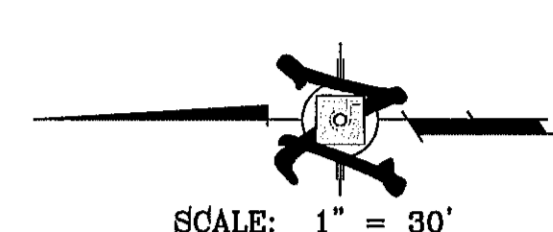


TIERRA DEL ESTE UNIT SEVENTY SIX

FILE LOCATION S:\Subdivisions\TDE 76\DWG\PP-HARDWAY-BEAMON PLOTTED ON Tuesday, September 23, 2014 8:46:05 AM BY RUBEN RIVERA



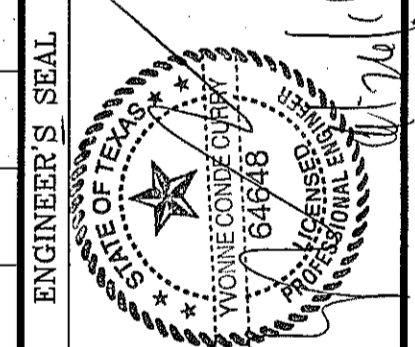
CURVE TABLE						
CURVE	RADIUS	LENGTH	TANGENT	CHORD	BEARING	DELTA
C13	30.00'	46.81'	29.69'	42.20'	S45°17'35"E	89°24'10"
C14	30.00'	47.44'	30.31'	42.65'	S44°42'25"W	90°35'50"
C15	30.00'	47.44'	30.31'	42.65'	N44°42'25"E	90°35'50"
C16	30.00'	46.81'	29.69'	42.20'	N45°17'35"W	89°24'10"
C17	30.00'	47.42'	30.30'	42.63'	N44°41'20"E	90°33'38"
C18	30.00'	46.83'	29.71'	42.22'	N45°18'40"W	89°26'22"
C19	30.00'	46.83'	29.71'	42.22'	S45°18'40"E	89°26'22"
C20	30.00'	47.42'	30.30'	42.63'	S44°41'20"W	90°33'38"
C21	30.00'	47.42'	30.30'	42.63'	N44°41'20"E	90°33'38"
C22	30.00'	46.83'	29.71'	42.22'	N45°18'40"W	89°26'22"



BENCHMARK	CITY MONUMENT AT THE CENTERLINE INTERSECTION OF RALPH SEITZINGER DR. AND GALICENO PL.
ELEVATION	4025.83
DATE	03/05/14
REVISIONS	REVISIONS TO LOTS ON BLOCKS 438-442
BY	R.R.
R.R.	REVISIONS TO LOTS ON BLOCKS 438-442

PROJECT NAME
TIERRA DEL ESTE UNIT 76
 BEING PORTION OF SECTION 18, BLOCK 78, AND PORTION OF SECTIONS 97, 100, 48, 49, AND BLOCK 78, TOWNSHIP 2, SURVEYS AND PACIFIC RAILWAY CO. SURVEYS, CITY OF EL PASO, EL PASO COUNTY, TEXAS
 CONTAINING: 86.09± ACRES

SCALE
 HORIZ: 1" = 30'
 VERT: 1" = 10'
 DATE: MAY 2013
 DESIGN BY: Y.C.
 INITIATED BY: R.R.
 CHECKED BY: Y.C.
 JOB NO.: 113-36



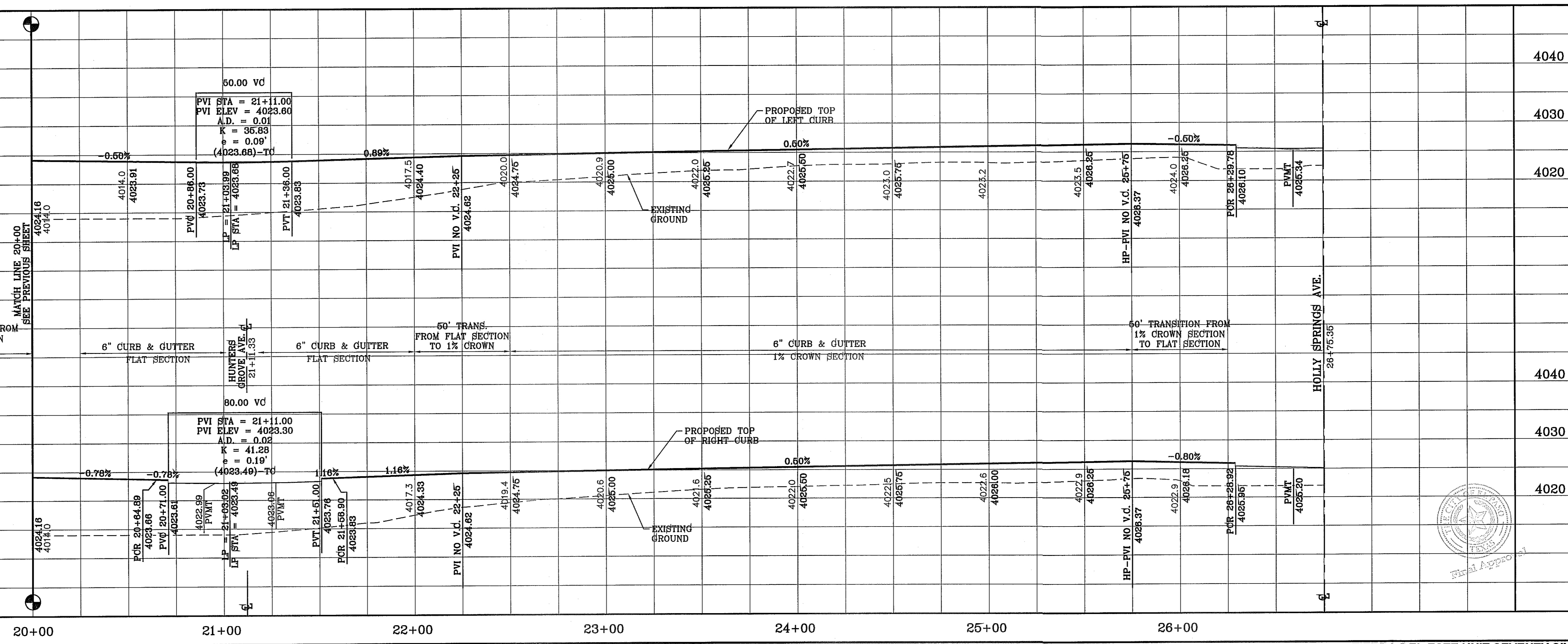
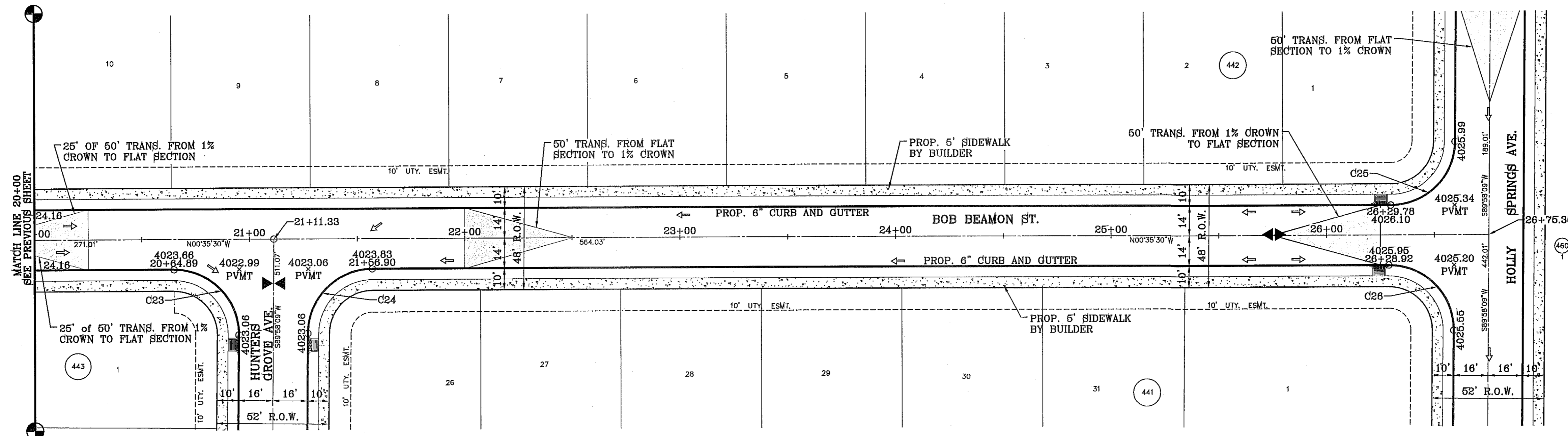
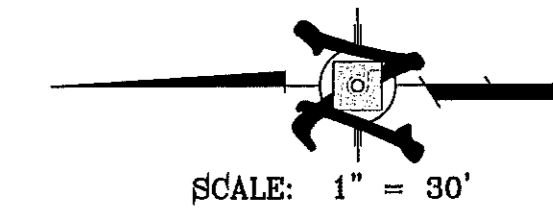
CONDE INC.
 ENGINEERING / PLANNING
 SURVEYING / GPS
 6082 SURETY DR. STE 100
 EL PASO, TEXAS 79905
 PHONE: (915) 592-0283
 FAX: (915) 592-0286



SHEET TITLE
STREET
PLAN-PROFILE
BOB BEAMON ST.
FROM STA: 12+50 TO STA: 20+00

FILE LOCATION S:\Subdivisions\76 DWG\PP-HARDWAY-BEAMON PLOTTED ON Tuesday, September 23, 2014 8:45:13 AM BY RUBEN RIVERA

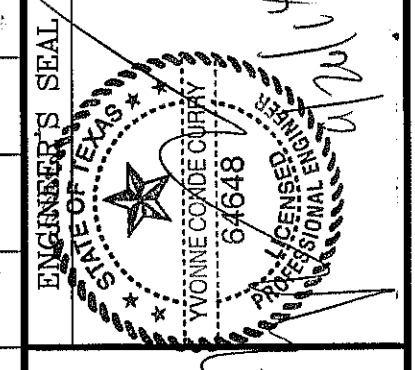
CURVE TABLE						
CURVE	RADIUS	LENGTH	TANGENT	CHORD	BEARING	DELTA
C23	30.00'	47.42'	30.30'	42.63'	N44°41'20"E	90°33'38"
C24	30.00'	46.83'	29.71'	42.22'	N45°18'40"W	89°26'22"
C25	30.00'	46.83'	29.71'	42.22'	S45°18'40"E	89°26'22"
C26	30.00'	47.42'	30.30'	42.63'	N44°41'20"E	90°33'38"



BENCHMARK	CITY MONUMENT AT THE CENTERLINE INTERSECTION OF RALPH SEITZINGER DR. AND GALICENO PL. ELEVATION 4025.83
BY	REVISIONS
R.R.	03/05/14 POND SIZE INCREASE AND SLOPE CHANGE TO 31
R.R.	09/15/14 REVISIONS TO LOTS ON BLOCKS 438-442

PROJECT NAME
TIERRA DEL ESTE UNIT 76
 BEING PORTION OF SECTION 18, BLOCK 76, AND PORTION OF SECTIONS 37 AND 46, AND BLOCK 79, TOWNSHIP 2, TEXAS AND PACIFIC RAILWAY CO. SURVEYS, CITY OF EL PASO, EL PASO COUNTY, TEXAS CONTAINING: 86.09± ACRES

SCALE
 HORIZ: 1" = 30'
 VERT: 1" = 10'
 DATE: MAY 2013
 DESIGN BY: Y.C.
 INITIATED BY: R.R.
 CHECKED BY: Y.C.
 JOB NO.: 113-35



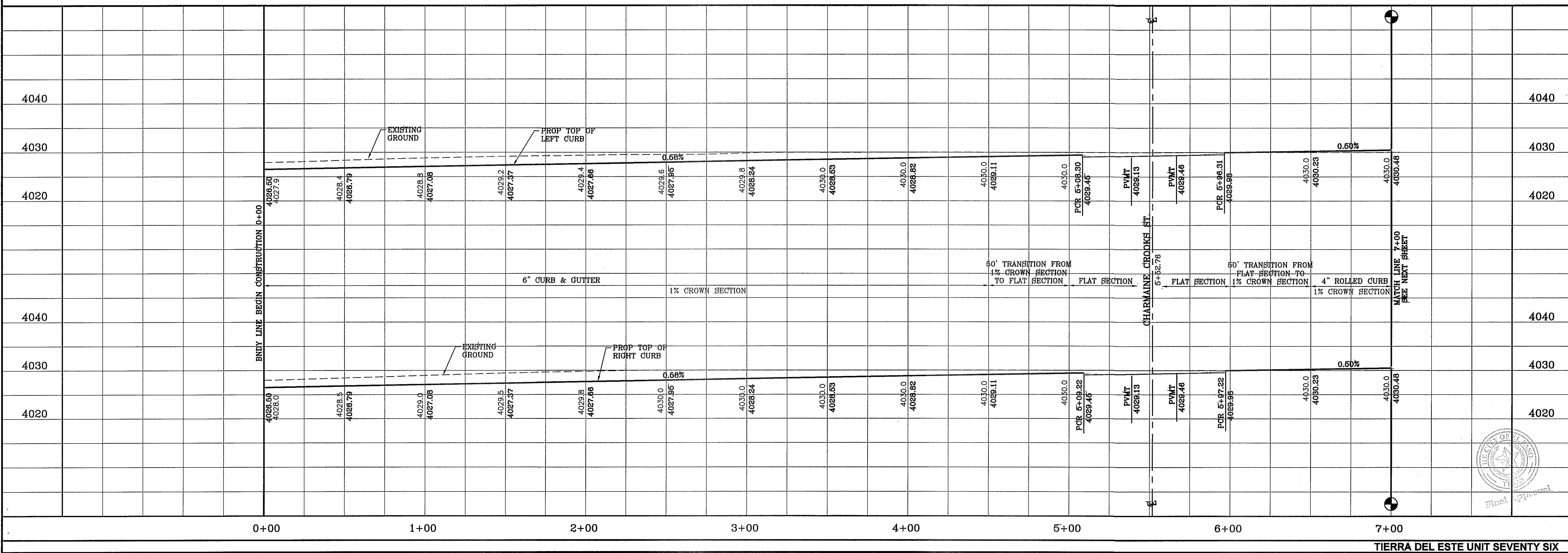
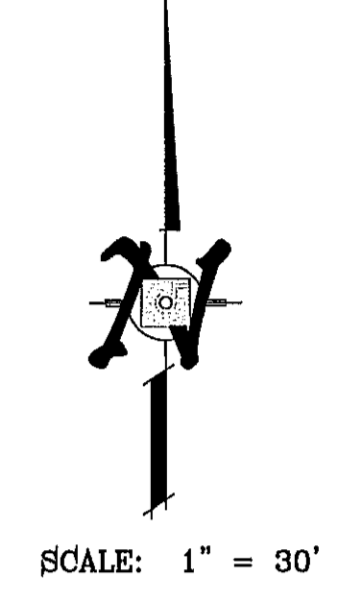
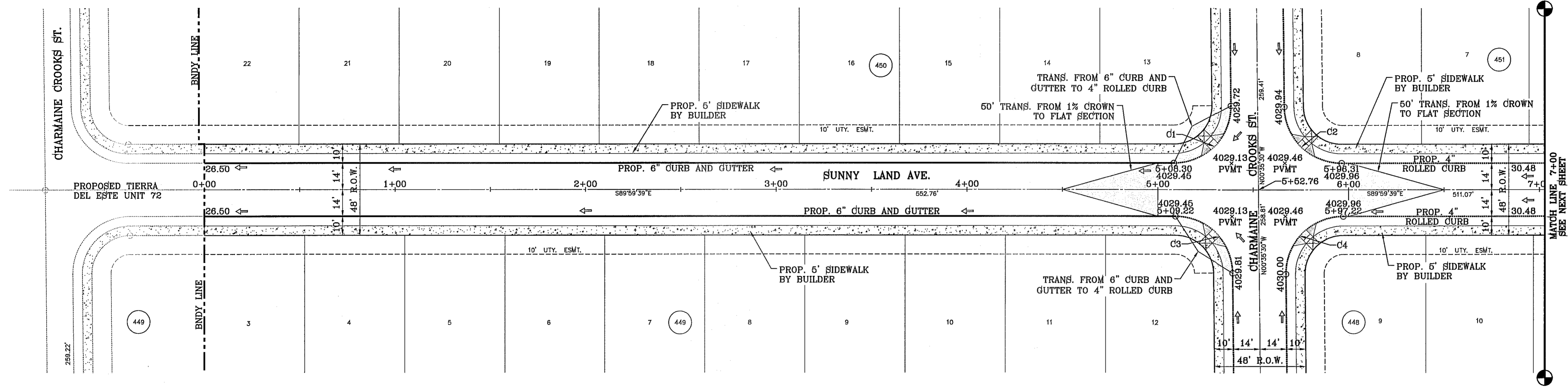
CONDE INC.
 ENGINEERING / PLANNING
 SURVEYING / GPS
 6080 SURETY DR. STE 100
 EL PASO, TEXAS 79905
 PHONE: (915) 592-0283
 FAX: (915) 692-0286



SHEET TITLE
STREET PLAN - PROFILE
BOB BEAMON ST.
 FROM STA: 20+00 TO STA: 26+75.35

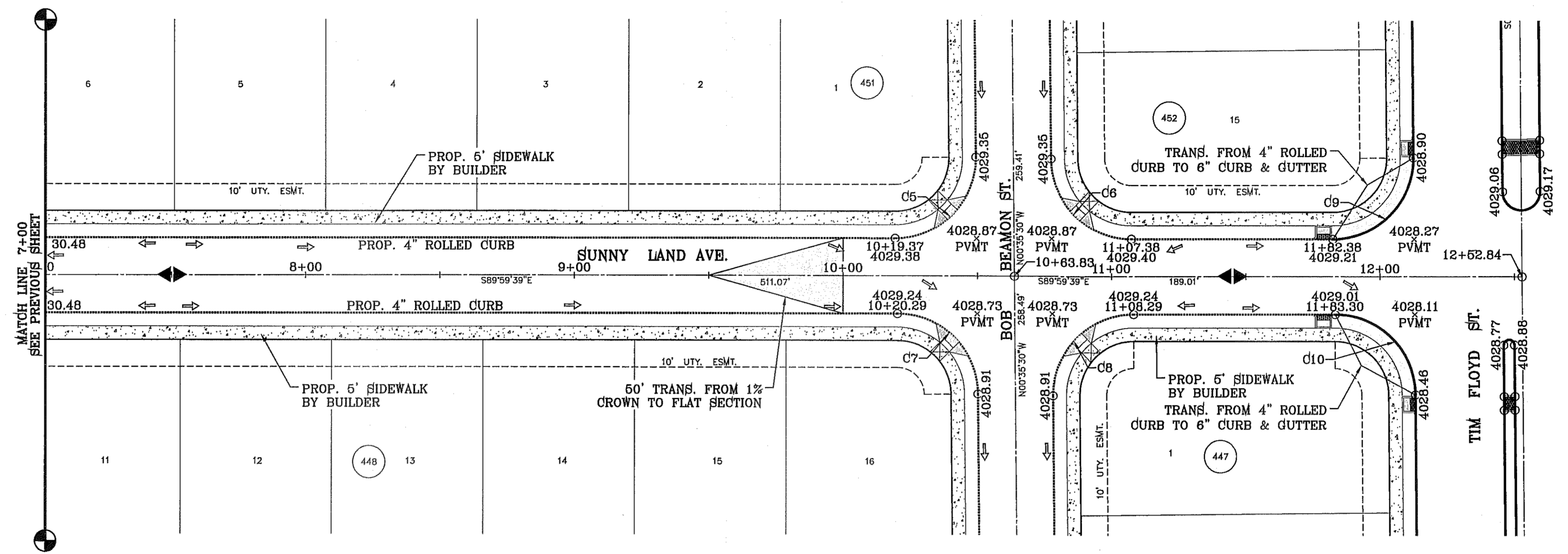
FILE LOCATION S:\Subdivisions\TDE 76.DWG\PP-SUNNY LAND PLOTTED ON Tuesday, September 23, 2014 8:46:28 AM BY RUBEN RIVERA

CURVE TABLE						
CURVE	RADIUS	LENGTH	TANGENT	CHORD	BEARING	DELTA
C1	30.00'	47.44'	30.31'	42.65'	N44°42'25"E	90°35'50"
C2	30.00'	46.81'	29.69'	42.20'	S45°17'35"E	89°24'10"
C3	30.00'	46.81'	29.69'	42.20'	N45°17'35"W	89°24'10"
C4	30.00'	47.44'	30.31'	42.65'	S44°42'25"W	90°35'50"

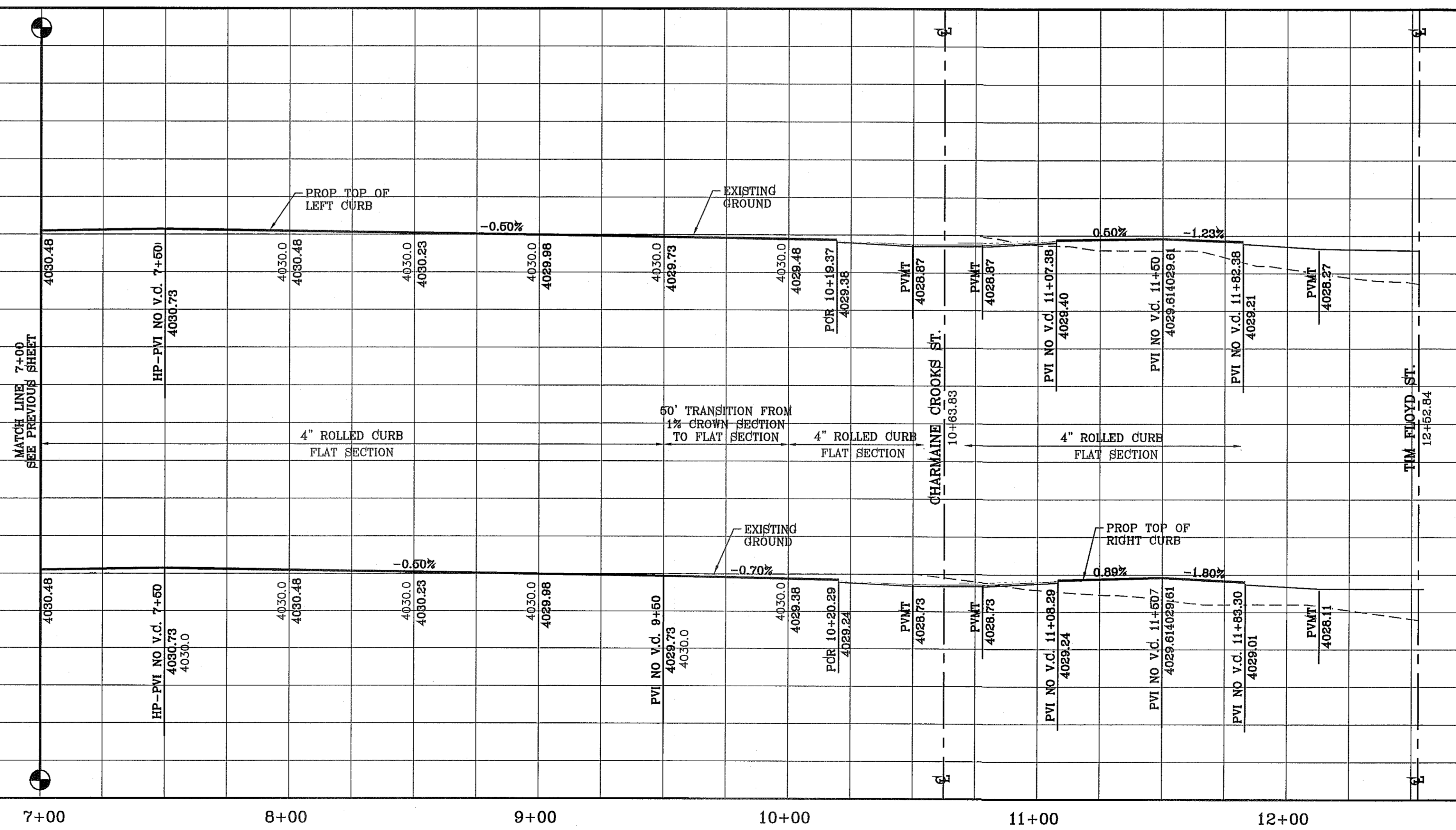
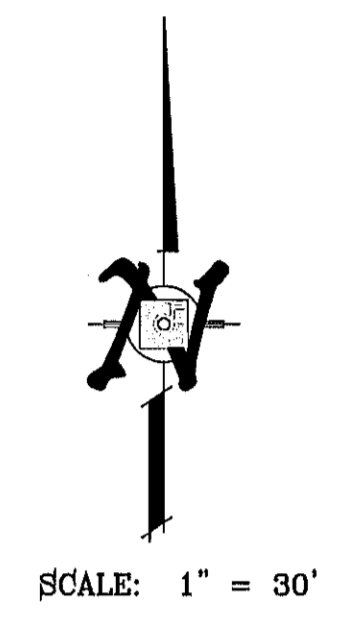


<p>ENGINEER'S SEAL</p>		<p>SCALE</p> <p>HORIZ: 1" = 30'</p> <p>VERT: 1" = 10'</p> <p>DATE: MAY 2013</p> <p>DESIGN BY: Y.C.</p> <p>INITIATED BY: R.R.</p> <p>CHECKED BY: Y.C.</p> <p>JOB NO.: 113-35</p>
<p>ENGINEERING / PLANNING</p> <p>CONDE INC.</p> <p>REGISTERED PROFESSIONAL ENGINEER</p> <p>6090 SURETY DR. SITE 100</p> <p>EL PASO, TEXAS 79905</p> <p>PHONE: (915) 592-0283</p> <p>FAX: (915) 592-0286</p>		<p>PROJECT NAME</p> <p>TIERRA DEL ESTE UNIT 76</p> <p>BRING PORTION OF SECTION 18, BLOCK 78, AND PORTION OF SECTIONS 37, 48, AND BLOCK 79, TOWNSHIP 2, TEXAS AND PACIFIC RAILWAY CO. SURVEYS, CITY OF EL PASO, EL PASO COUNTY, TEXAS CONTAINING: 86.09± ACRES</p>
<p>SHEET TITLE</p> <p>STREET PLAN-PROFILE</p> <p>SUNNY LAND AVE.</p> <p>FROM STA: 0+00 TO STA: 7+00</p>		<p>BENCHMARK</p> <p>CITY MONUMENT AT THE CENTERLINE INTERSECTION OF RALPH BETTSINGER DR. AND GALICENO PL. ELEVATION 4025.83</p> <p>REVISIONS</p> <p>DATE: 05/05/14</p> <p>BY: R.R.</p> <p>REVISIONS: POND SIZE INCREASE AND SLOPE CHANGE TO 3:1</p>
<p>SHT 29 OF 72</p>		<p>TIERRA DEL ESTE UNIT SEVENTY SIX</p>

FILE LOCATION s:_subdivisions\TDE 76\DWG\PP-SUNNY LAND PLOTTED ON Tuesday, September 23, 2014 8:45:35 AM BY RUBEN RIVERA



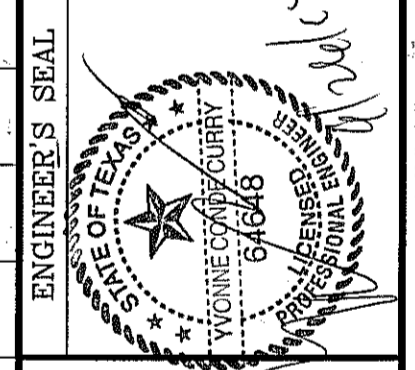
CURVE TABLE						
CURVE	RADIUS	LENGTH	TANGENT	CHORD	BEARING	DELTA
C5	30.00'	47.44'	30.31'	42.65'	N44°42'25"E	90°35'50"
C6	30.00'	46.81'	29.69'	42.20'	S45°17'35"E	89°24'10"
C7	30.00'	46.81'	29.69'	42.20'	N45°17'35"W	89°24'10"
C8	30.00'	47.44'	30.31'	42.65'	S44°42'25"W	90°35'50"
C9	30.00'	47.44'	30.31'	42.65'	N44°42'25"E	90°35'50"
C10	30.00'	46.81'	29.69'	42.20'	N45°17'35"W	89°24'10"



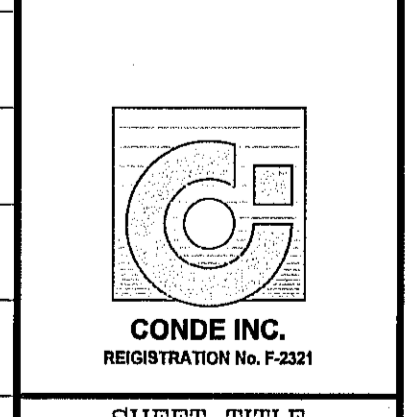
BENCHMARK	
CITY MONUMENT AT THE CENTERLINE INTERSECTION OF RALPH BEITSINGER DR. AND GALICENO PL.	ELEVATION 4025.83
DATE	05/05/14
BY	R.R.
REVISIONS	POND SIZE INCREASE AND SLOPE CHANGE TO 3:1

PROJECT NAME
TIERRA DEL ESTE UNIT 76
 BEING PORTION OF SECTION 18, BLOCK 78, AND PORTION OF SECTIONS 37 AND 48, AND BLOCK 79, TOWNSHIP 2, SURVEYS AND PACIFIC RAILWAY CO. SURVEYS, CITY OF EL PASO, EL PASO COUNTY, TEXAS CONTAINING: 86.09± ACRES

SCALE
 HORIZ: 1" = 30'
 VERT: 1" = 10'
 DATE: MAY 2013
 DESIGN BY: Y.C.
 INITIATED BY: R.R.
 CHECKED BY: Y.C.
 JOB NO.: 113-36

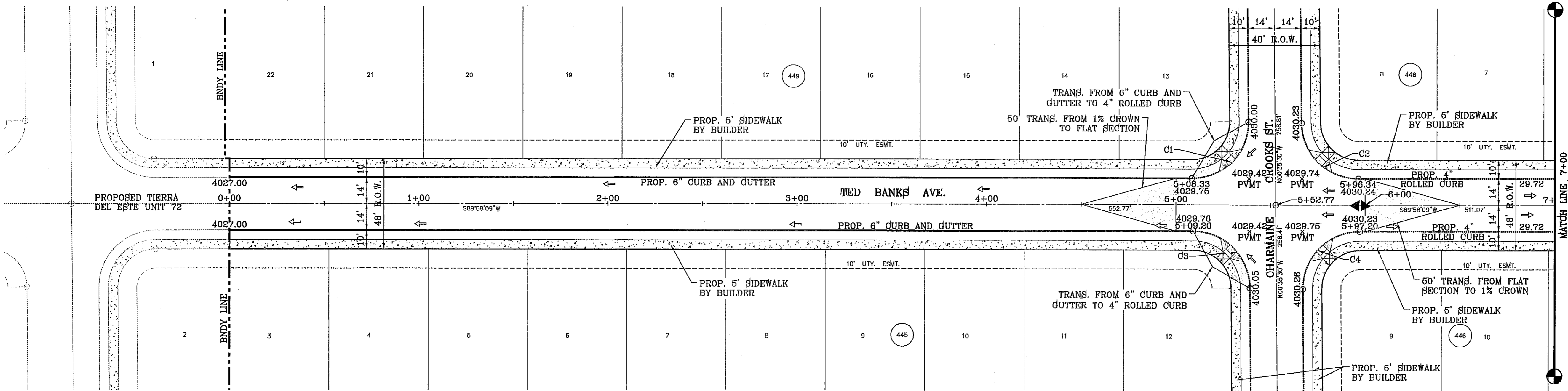


CONDE INC.
 ENGINEERING / PLANNING
 SURVEYING / GPS
 6080 SURVEY DR. SITE 100
 EL PASO, TEXAS 79960
 PHONE: (915) 592-0283
 FAX: (915) 592-0286

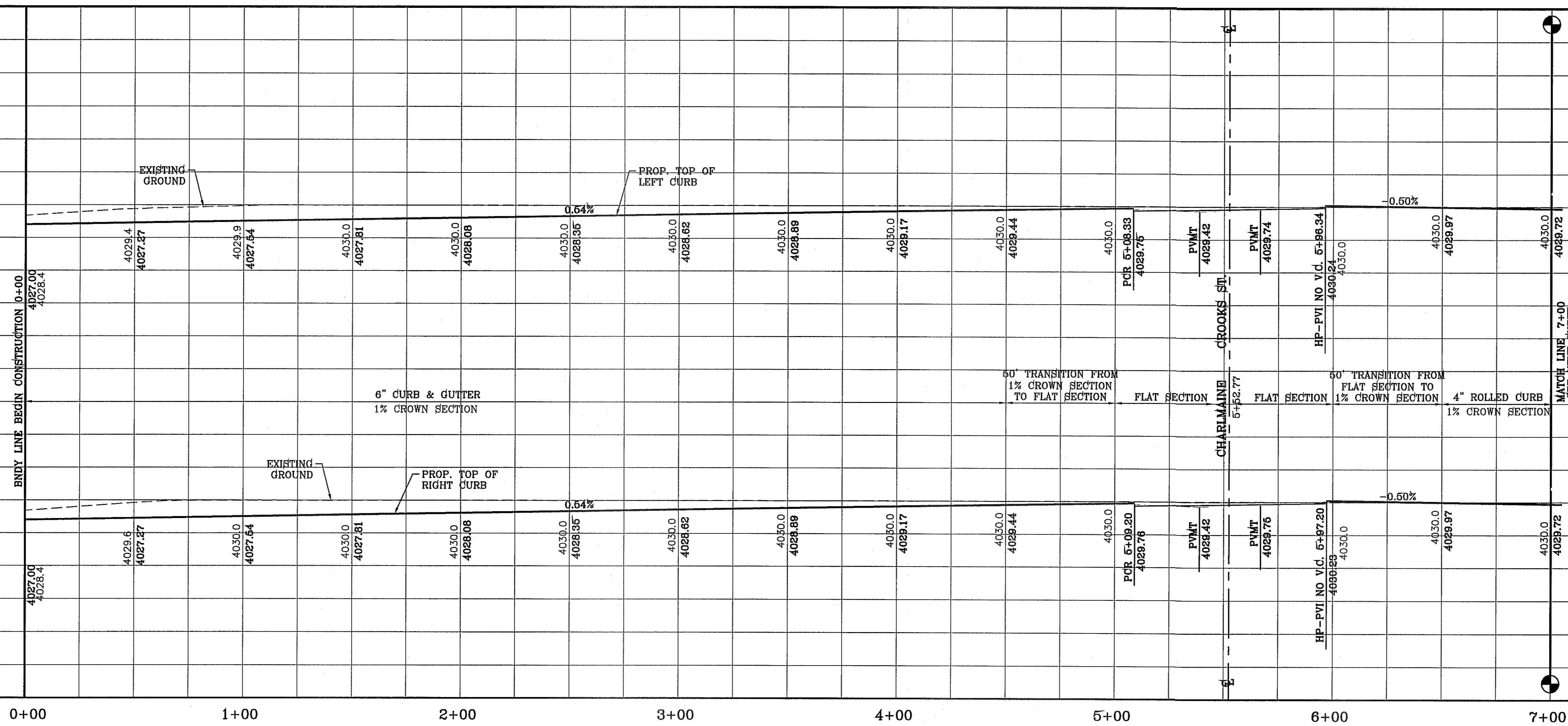
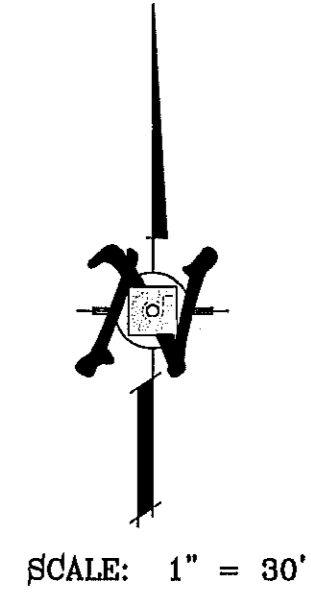


SHEET TITLE
STREET
PLAN - PROFILE
SUNNY LAND AVE.
 FROM STA: 7+00 TO STA: 12+52.84

FILE LOCATION s:_Subdivisions\TDE 76\DWG\PP-TED BANKS PLOTTED ON Tuesday, September 23, 2014 8:45:46 AM BY RUBEN RIVERA



CURVE TABLE						
CURVE	RADIUS	LENGTH	TANGENT	CHORD	BEARING	DELTA
C1	30.00'	47.42'	30.30'	42.63'	N44°41'20"E	90°33'38"
C2	30.00'	46.83'	29.71'	42.22'	S45°18'40"E	89°26'22"
C3	30.00'	46.83'	29.71'	42.22'	N45°18'40"W	89°26'22"
C4	30.00'	47.42'	30.30'	42.63'	S44°41'20"W	90°33'38"



BENCHMARK	
CITY MONUMENT AT THE CENTERLINE INTERSECTION OF RALPH SEITSINGER DR. AND GALICENO PL. ELEVATION 4025.83	
DATE	03/05/14
BY	R.R.
REVISIONS	
POND SIZE INCREASE AND SLOPE CHANGE TO 3:1	

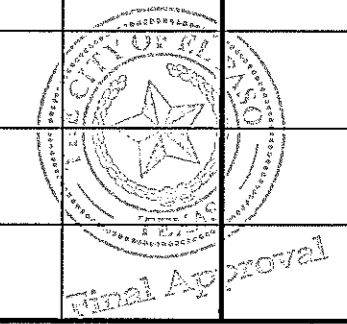
PROJECT NAME
TERRA DEL ESTE UNIT 76
 BEING PORTION OF SECTION 18, BLOCK 78, AND PORTION OF SECTIONS 37 AND 48, BLOCK 79, TOWNSHIP 2, TEXAS AND PACIFIC RAILWAY CO. SURVEYS, CITY OF EL PASO, EL PASO COUNTY, TEXAS CONTAINING: 66.09± ACRES

SCALE
 HORIZ: 1" = 30'
 VERT: 1" = 10'
 DATE: MAY 2013
 DESIGN BY: Y.C.
 INITIATED BY: F.R.
 CHECKED BY: Y.C.
 JOB NO.: 118-56

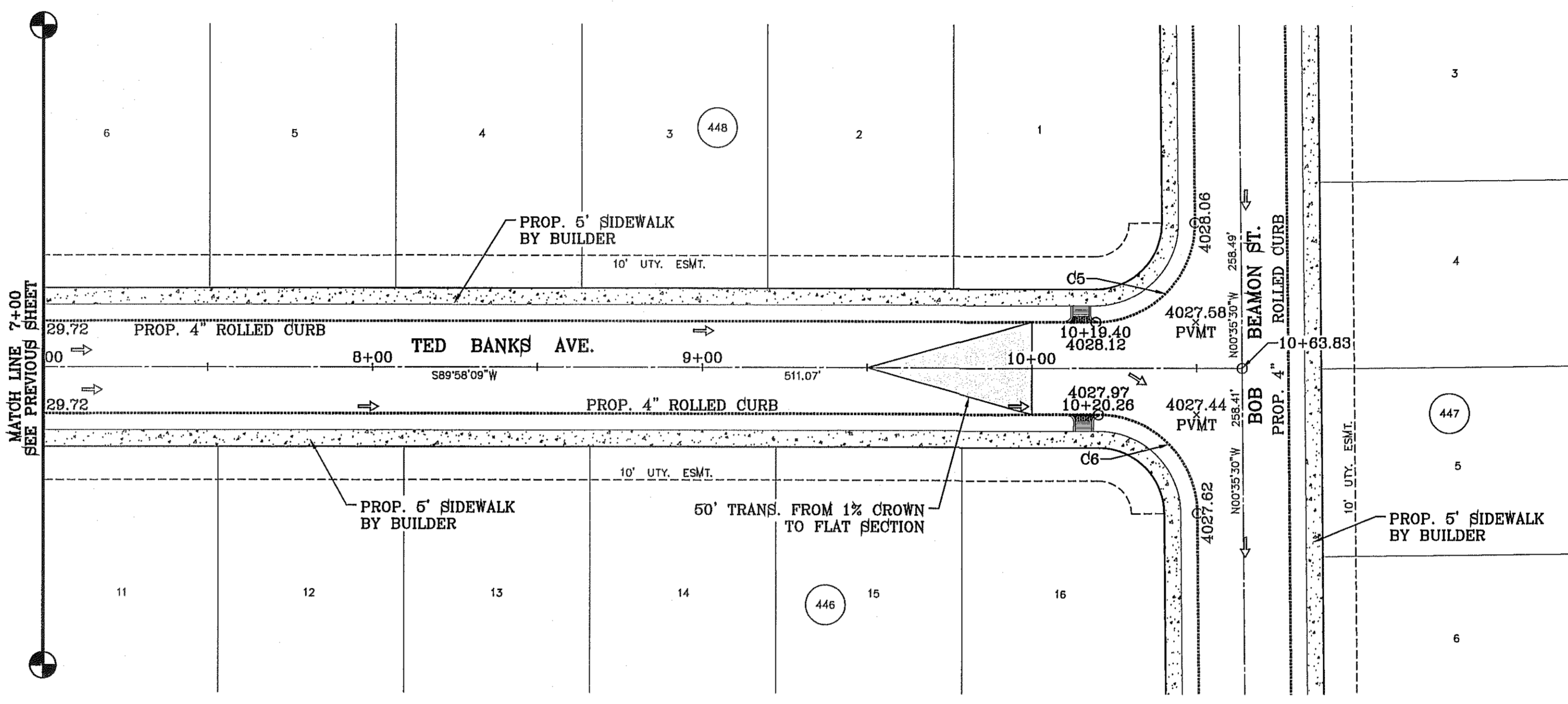
ENGINEER'S SEAL

CONDE INC.
 ENGINEERING / PLANNING
 SURVEYING / GPS
 6080 SURETY DR. STE. 100
 EL PASO, TEXAS 79905
 PHONE: (915) 592-0285
 FAX: (915) 592-0286

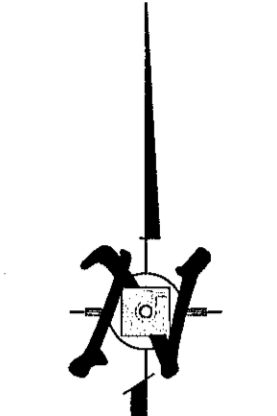
SHEET TITLE
STREET
PLAN-PROFILE
TED BANKS
AVE.
 FROM STA: 0+00 TO STA: 7+00
SHT 31 OF 72



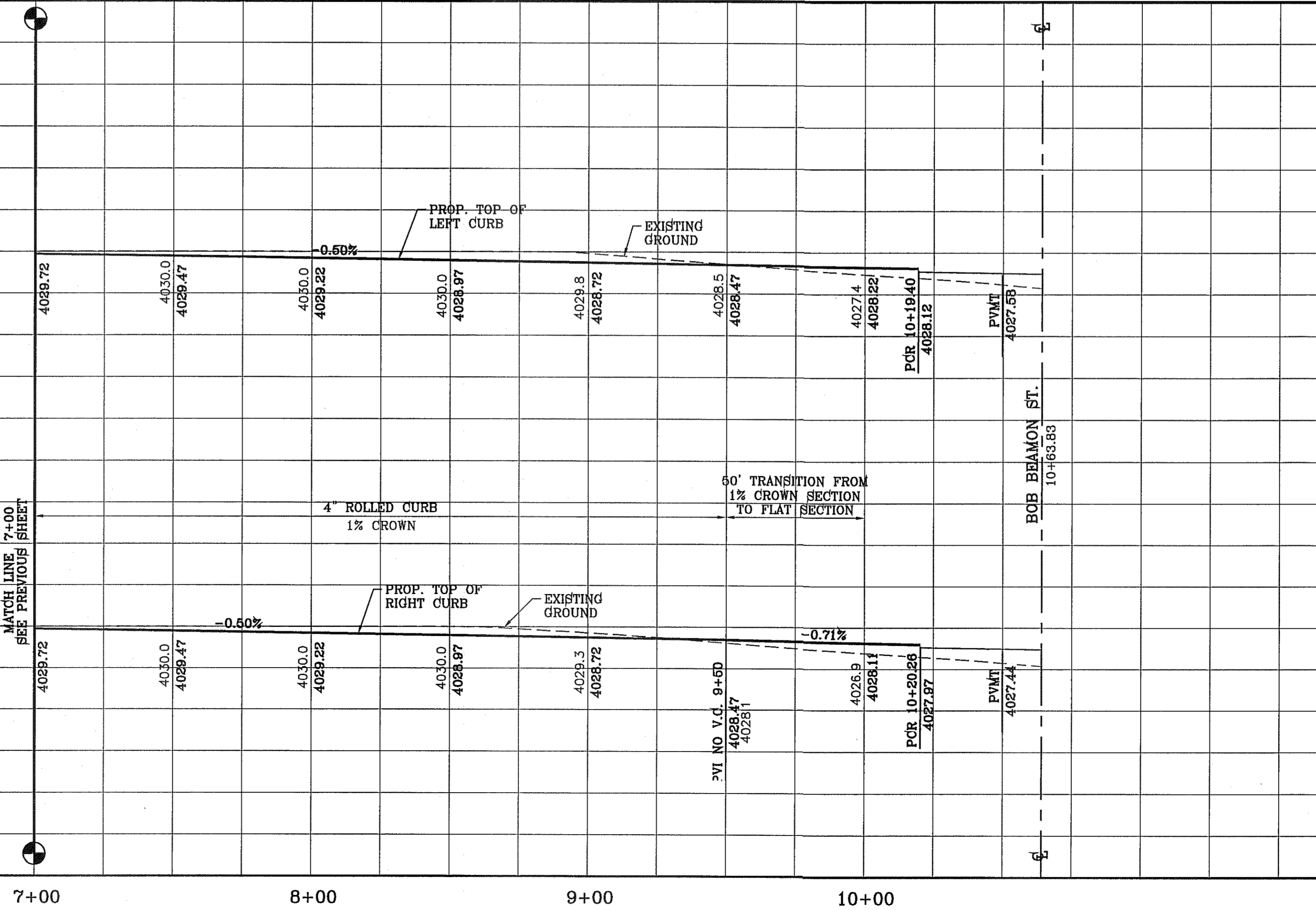
FILE LOCATION S:\Subdivisions\TDE 76\DWG\PP-TED BANKS PLOTTED ON Tuesday, September 23, 2014 8:45:54 AM BY RUBEN RIVERA



CURVE TABLE						
CURVE	RADIUS	LENGTH	TANGENT	CHORD	BEARING	DELTA
C5	30.00'	47.42'	30.30'	42.63'	N44°41'20"E	90°33'38"
C6	30.00'	46.83'	29.71'	42.22'	N45°18'40"W	89°26'22"



SCALE: 1" = 30'

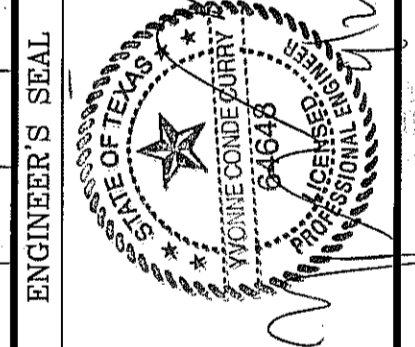


7+00 8+00 9+00 10+00

BENCHMARK	
CITY MONUMENT AT THE CENTERLINE INTERSECTION OF RALPH SEITSINGER DR. AND GALICENO PL. ELEVATION 4025.83NAVD83 DATUM
DATE	REVISIONS
03/05/14	POND SIZE INCREASE AND SLOPE CHANGE TO 3:1
	R.R.

PROJECT NAME
TIERRA DEL ESTE UNIT 76
 BEING PORTION OF SECTION 18, BLOCK 78, AND PORTION OF SECTIONS 37 AND 48, AND BLOCK 79, TOWNSHIP 2, TEXAS AND PACIFIC RAILWAY CO. SURVEYS, CITY OF EL PASO, EL PASO COUNTY, TEXAS
 CONTAINING: 66.09± ACRES

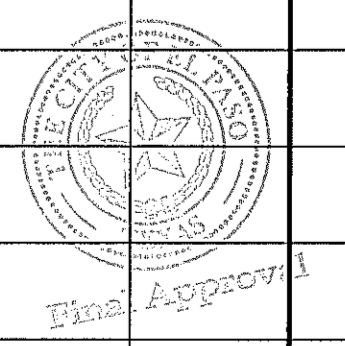
SCALE
 HORIZ: 1" = 30'
 VERT: 1" = 10'
 DATE: MAY 2013
 DESIGN BY: Y.C.
 INITIATED BY: R.R.
 CHECKED BY: Y.C.
 JOB NO.: 113-56



CONDE INC.
 ENGINEERING / PLANNING
 SURVEYING / GPS
 6080 SURETY DR. STE. 100
 EL PASO, TEXAS 79905
 PHONE: (915) 592-0283
 FAX: (915) 592-0286



SHEET TITLE
STREET
PLAN-PROFILE
TED BANKS
AVE.
 FROM STA: 7+00
 TO STA: 10+63.83

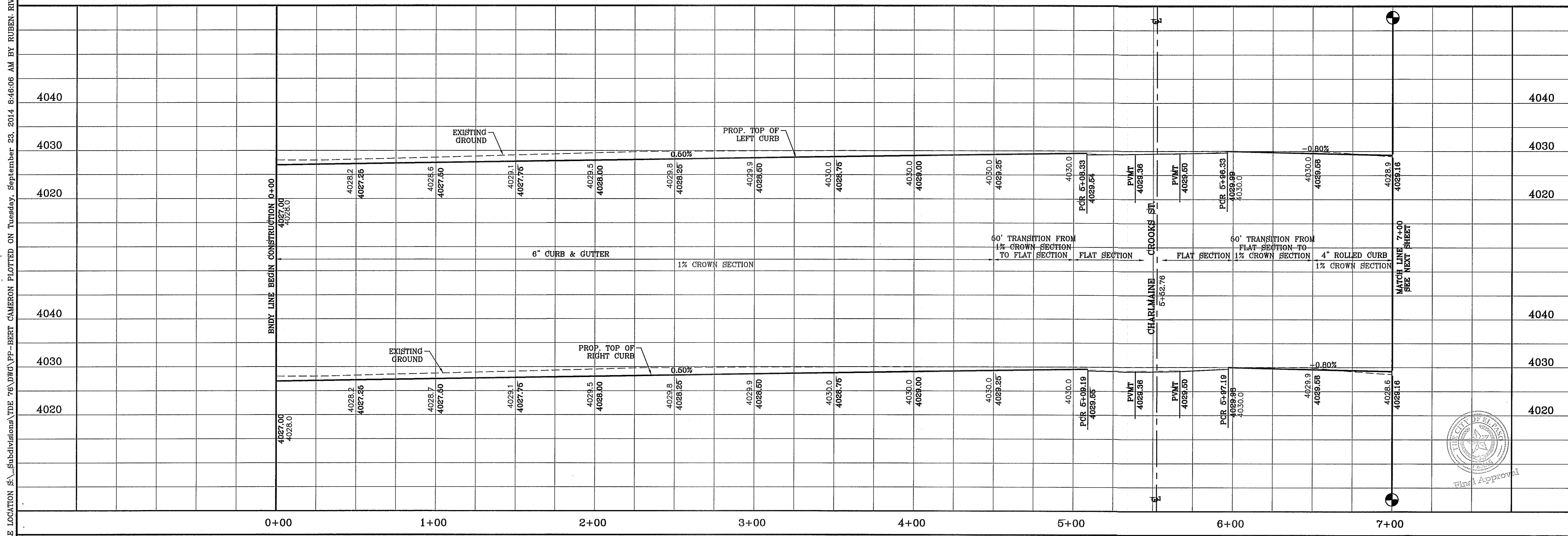
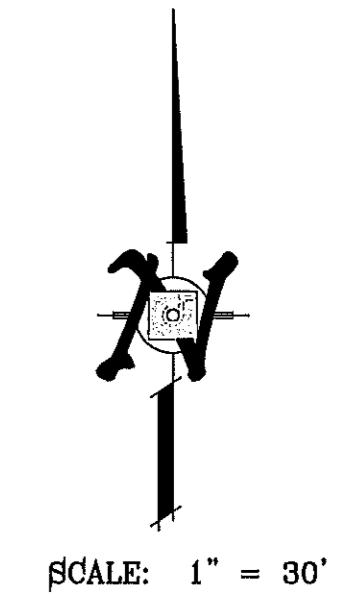
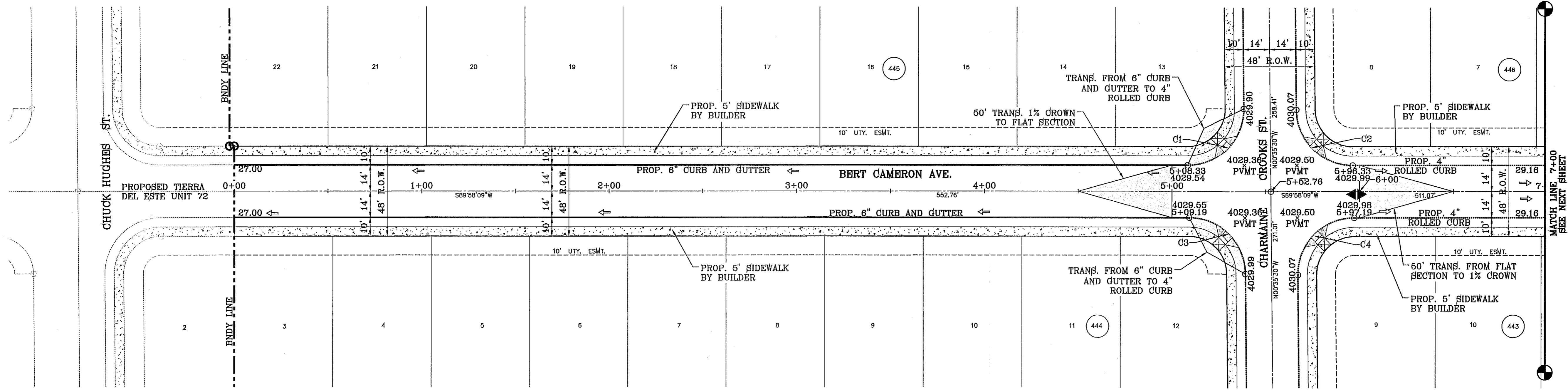


TIERRA DEL ESTE UNIT SEVENTY SIX

SHT 32 OF 72

FILE LOCATION: S:\Subdivisions\TDE 76.DWG\PP-BERT CAMERON PLOTTED ON Tuesday, September 23, 2014 8:46:06 AM BY RUBEN RIVERA

CURVE TABLE						
CURVE	RADIUS	LENGTH	TANGENT	CHORD	BEARING	DELTA
C1	30.00'	47.42'	30.30'	42.63'	N44°41'20"E	90°33'38"
C2	30.00'	46.83'	29.71'	42.22'	S45°18'40"E	89°26'22"
C3	30.00'	46.83'	29.71'	42.22'	N45°18'40"W	89°26'22"
C4	30.00'	47.42'	30.30'	42.63'	S44°41'20"W	90°33'38"



REVISIONS	
DATE	BY
05/05/14	POND SIZE INCREASE AND SLOPE CHANGE TO 3:1
	F.R.

PROJECT NAME
TIERRA DEL ESTE UNIT 76
 BEING PORTION OF SECTION 18, BLOCK 78,
 AND PORTION OF SECTIONS 37 AND 48,
 AND BLOCK 79, TOWNSHIP 2, TEXAS
 AND PACIFIC RAILWAY CO. SURVEYS,
 CITY OF EL PASO, EL PASO COUNTY, TEXAS
 CONTAINING: 86.09± ACRES

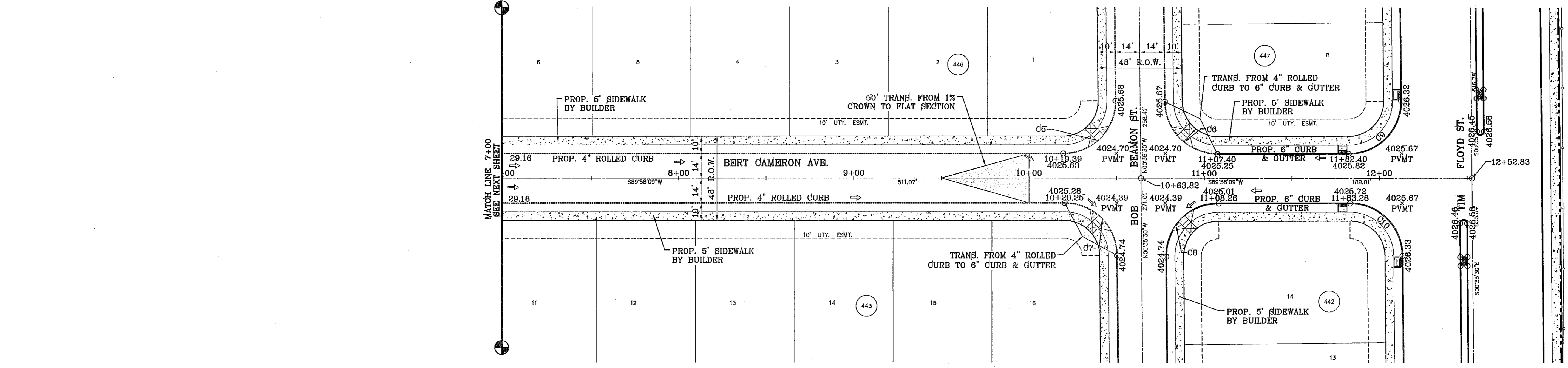
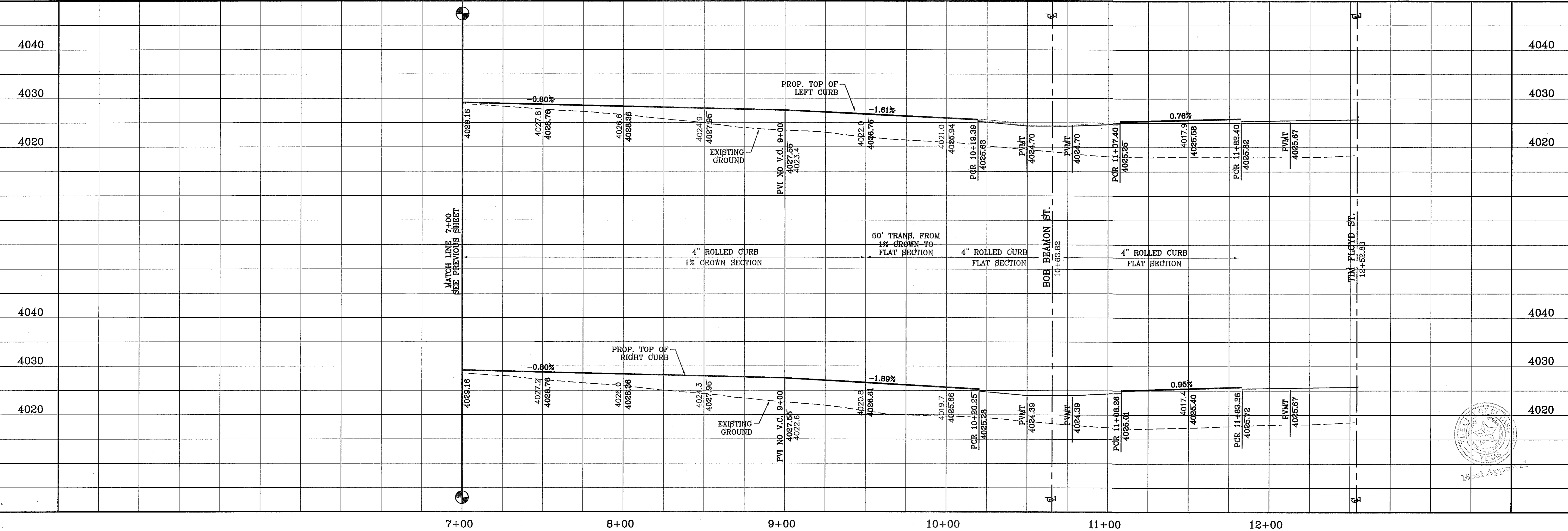
SCALE
 HORIZ: 1" = 30'
 VERT: 1" = 10'
 DATE: MAY 2013
 DESIGN BY: Y.C.
 INITIATED BY: R.R.
 CHECKED BY: Y.C.
 JOB NO.: 113-36

ENGINEER'S SEAL

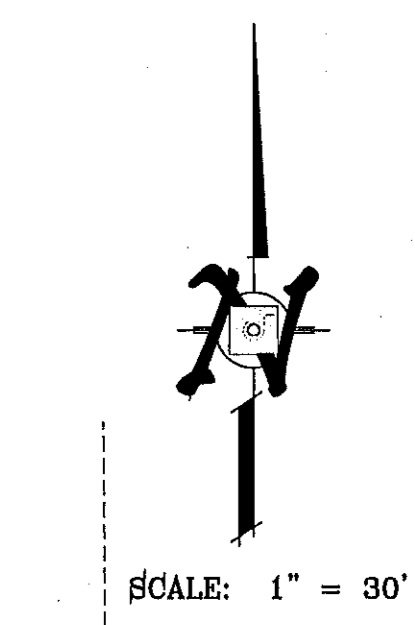
CONDE INC.
 ENGINEERING / PLANNING
 SURVEYING / GPS
 6090 SURVEY DR. STE. 100
 EL PASO, TEXAS 79905
 PHONE: (915) 592-0283
 FAX: (915) 592-0286

SHEET TITLE
STREET
PLAN - PROFILE
BERT
CAMERON
AVE.
 FROM
 STA: 0+00
 TO
 STA: 7+00

FILE LOCATION E:\Subdivisions\TDE 78.DWG\PP-BERT CAMERON PLOTTED ON Tuesday, September 23, 2014 8:46:11 AM BY RUBEN RIVERA



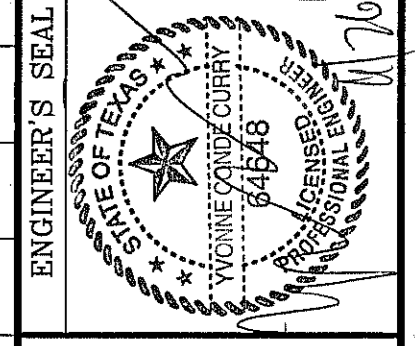
CURVE TABLE						
CURVE	RADIUS	LENGTH	TANGENT	CHORD	BEARING	DELTA
C5	30.00'	47.42'	30.30'	42.63'	N44°41'20"E	90°33'38"
C6	30.00'	46.83'	29.71'	42.22'	S45°18'40"E	89°26'22"
C7	30.00'	46.83'	29.71'	42.22'	N45°18'40"W	89°26'22"
C8	30.00'	47.42'	30.30'	42.63'	S44°41'20"W	90°33'38"
C9	30.00'	47.42'	30.30'	42.63'	N44°41'20"E	90°33'38"
C10	30.00'	46.83'	29.71'	42.22'	N45°18'40"W	89°26'22"



BENCHMARK	
CITY MONUMENT AT THE CENTERLINE INTERSECTION OF RALPH SEITSINGER DR. AND GALICENO PL.	ELEVATION 4025.83
DATE	05/05/14
BY	R.R.
REVISIONS	POND SIZE INCREASE AND SLOPE CHANGE TO 3:1

PROJECT NAME
TIERRA DEL ESTE UNIT 76
 BEING PORTION OF SECTION 18, BLOCK 78, AND PORTION OF SECTIONS 37 AND 48, AND BLOCK 79, TOWNSHIP 2, TEXAS AND PACIFIC RAILWAY CO. SURVEYS, CITY OF EL PASO, EL PASO COUNTY, TEXAS CONTAINING: 86.09± ACRES

SCALE
 HORIZ: 1" = 30'
 VERT: 1" = 10'
 DATE: MAY 2013
 DESIGN BY: Y.C.
 INITIATED BY: Y.C.
 CHECKED BY: Y.C.
 JOB NO.: 113-36



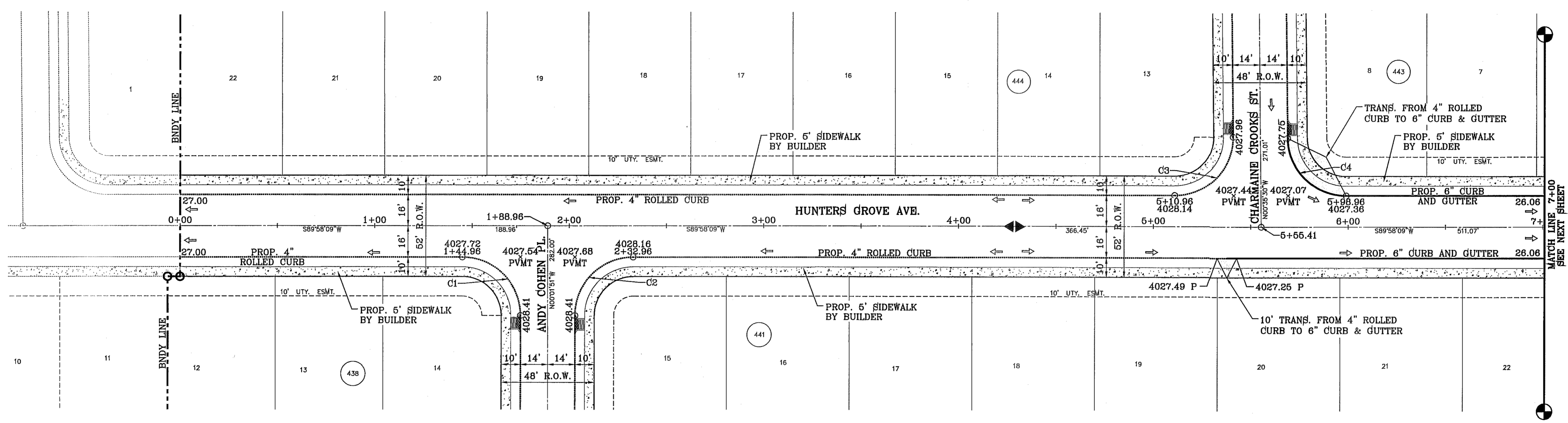
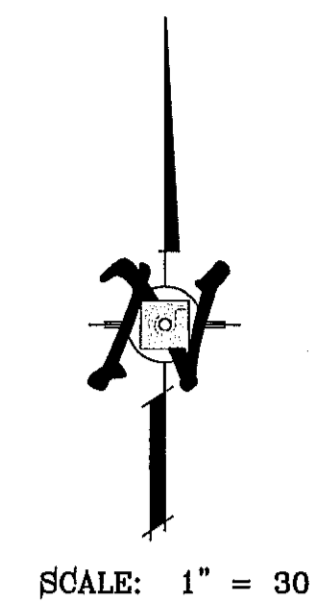
CONDE INC.
 ENGINEERING / PLANNING
 SURVEYING / GPS
 6080 SURVEY DR. STE. 100
 EL PASO, TEXAS 79905
 PHONE: (915) 592-0283
 FAX: (915) 592-0286



SHEET TITLE
STREET PLAN-PROFILE
BERT CAMERON AVE.
 FROM STA: 7+00 TO STA: 12+52.83

FILE LOCATION: s:\subdivisions\TDE 76\DWG\PP-HUNTERS GROVE PLOTTED ON Tuesday, September 23, 2014 8:46:27 AM BY RUBEN RIVERA

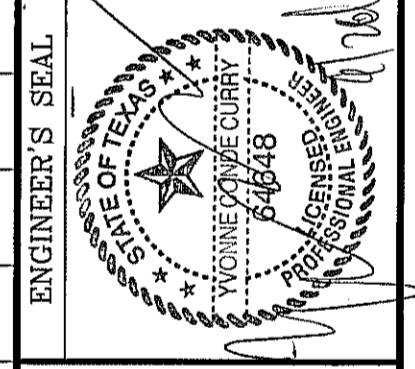
CURVE TABLE					
CURVE	RADIUS	LENGTH	TANGENT	CHORD	DELTA
C1	30.00'	47.12'	30.00'	42.43'	N45°01'51"W 90°00'00"
C2	30.00'	47.12'	30.00'	42.43'	S44°58'09"W 90°00'00"
C3	30.00'	47.42'	30.30'	42.63'	N44°41'20"E 90°33'38"
C4	30.00'	46.83'	29.71'	42.22'	S45°18'40"E 89°26'22"



BENCHMARK
CITY MONUMENT AT THE CENTERLINE INTERSECTION OF
RALPH SEITSINGER DR. AND GALICENO PL.
ELEVATION 4025.83
DATE: 03/05/14
BY: R.R.
REVISIONS: POND SIZE INCREASE AND SLOPE CHANGE TO 3:1
9/15/14 REVISION TO LOTS ON BLOCKS 438-442

PROJECT NAME
TIERRA DEL ESTE UNIT 76
BEING PORTION OF SECTION 18, BLOCK 78,
AND PORTION OF SECTIONS 37 AND 48,
BLOCK 79, TOWNSHIP 2, TEXAS
AND PACIFIC RAILWAY CO. SURVEYS,
CITY OF EL PASO, EL PASO COUNTY, TEXAS
CONTAINING: 86.09± ACRES

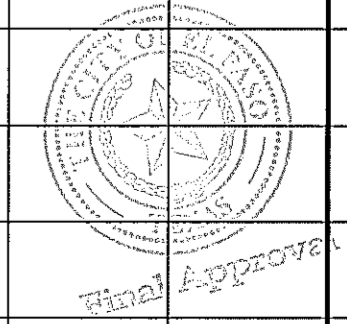
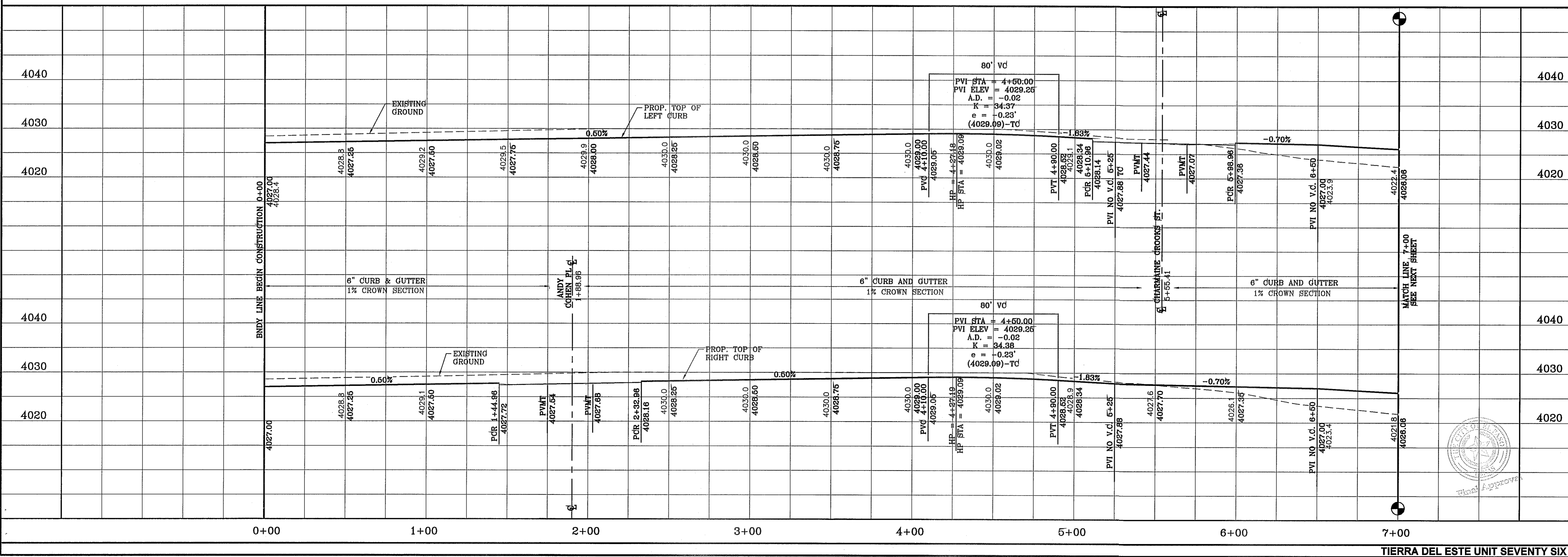
SCALE
HORIZ: 1" = 30'
VERT: 1" = 10'
DATE: MAY 2013
DESIGN BY: Y.C.
INITIATED BY: R.R.
CHECKED BY: Y.C.
JOB NO.: 113-56



CONDE INC.
ENGINEERING / PLANNING
SURVEYING / GPS
6090 SURVEY DR. STE. 100
EL PASO, TEXAS 79905
PHONE: (915) 592-0283
FAX: (915) 592-0286



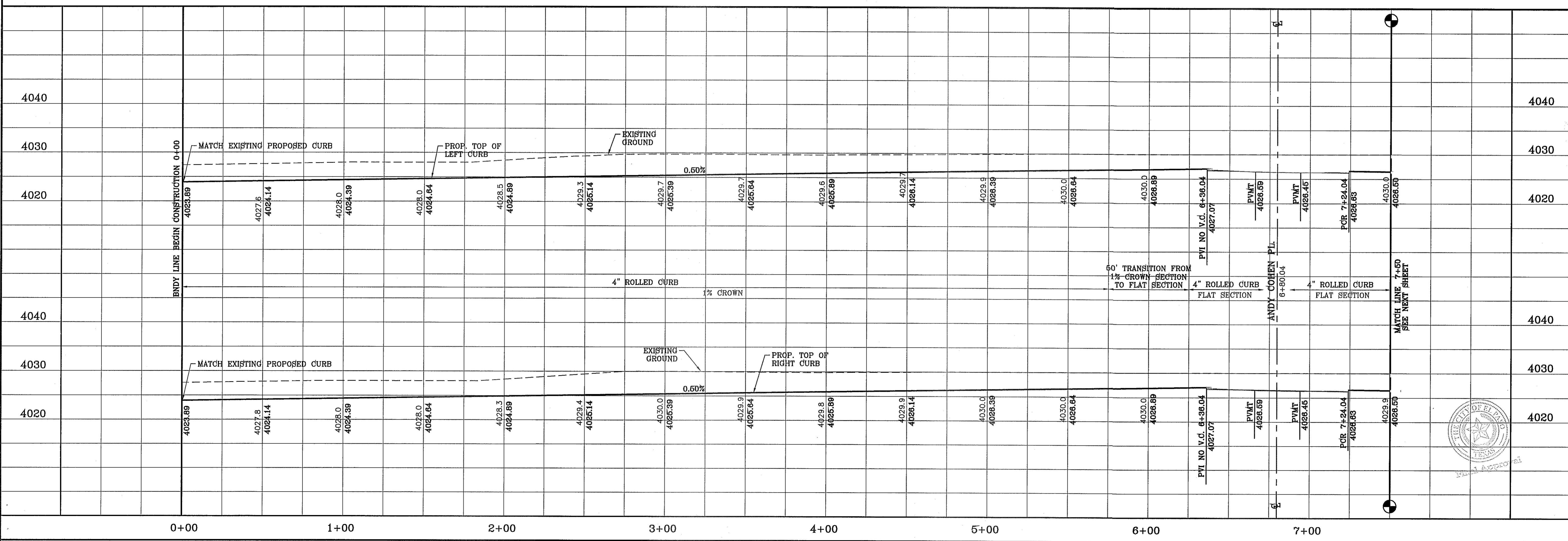
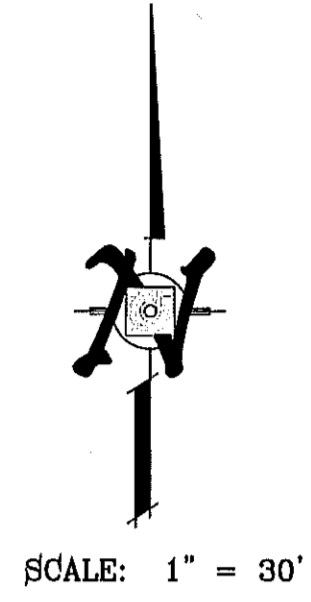
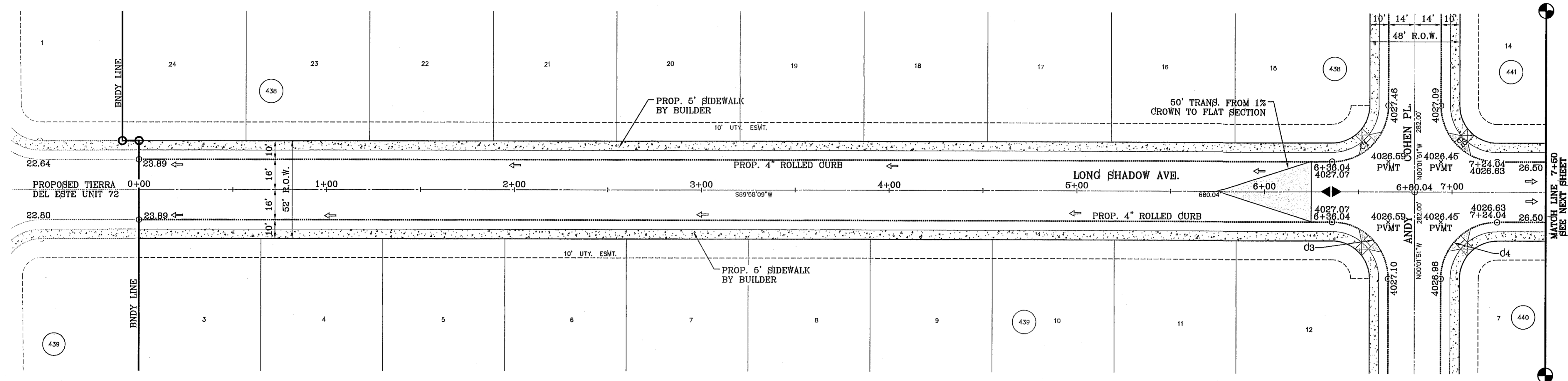
SHEET TITLE
**STREET
PLAN-PROFILE
HUNTERS
GROVE AVE.**
FROM
STA: 0+00
TO
STA: 7+00
SHT 35 OF 72



TIERRA DEL ESTE UNIT SEVENTY SIX

FILE LOCATION S:\Subdivisions\TDE 76\DWG\PP-LONG SHADOW PLOTTED ON Tuesday, September 23, 2014 8:46:47 AM BY RUBEN RIVERA

CURVE TABLE						
CURVE	RADIUS	LENGTH	TANGENT	CHORD	BEARING	DELTA
C1	30.00'	47.12'	30.00'	42.43'	N44°58'09"E	90°00'00"
C2	30.00'	47.12'	30.00'	42.43'	S45°01'51"E	90°00'00"
C3	30.00'	47.12'	30.00'	42.43'	N45°01'51"W	90°00'00"
C4	30.00'	47.12'	30.00'	42.43'	S44°58'09"W	90°00'00"



PROJECT NAME
TIERRA DEL ESTE UNIT 76
 BEING PORTION OF SECTION 18, BLOCK 78,
 AND PORTION OF SECTIONS 37 AND 48,
 AND BLOCK 79, TOWNSHIP 2, TEXAS,
 AND PACIFIC RAILWAY CO. SURVEYS,
 CITY OF EL PASO, EL PASO COUNTY, TEXAS
 CONTAINING: 86.09± ACRES

SCALE
 HORIZ: 1" = 30'
 VERT: 1" = 10'

DATE: MAY 2013
DESIGN BY: Y.C.
INITIATED BY: R.R.
CHECKED BY: Y.C.
JOB NO.: 113-95

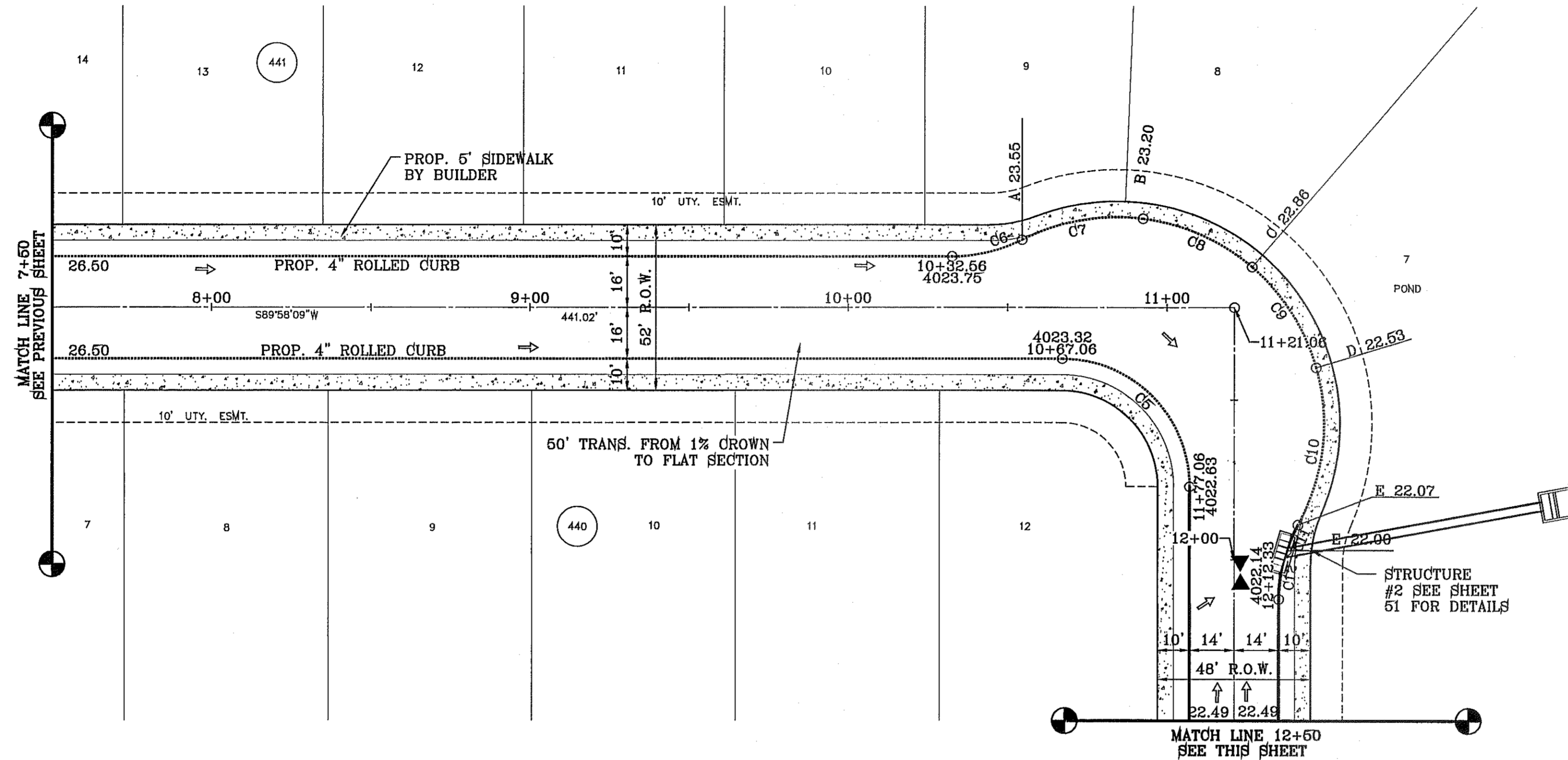
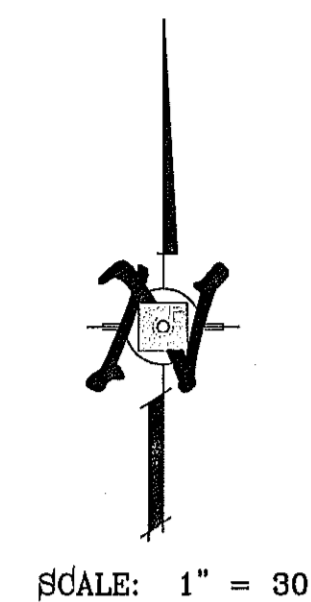
ENGINEER'S SEAL
 Y. C. COHEN
 LICENSE NO. 64343
 STATE OF TEXAS

CONDE INC.
 ENGINEERING / PLANNING
 SURVEYING / GPS
 8080 SURETY DR. STE 100
 EL PASO, TEXAS 79905
 PHONE: (915) 592-0283
 FAX: (915) 592-0286

SHEET TITLE
STREET
PLAN-PROFILE
LONG SHADOW AVE.
 FROM STA: 0+00 TO STA: 7+50

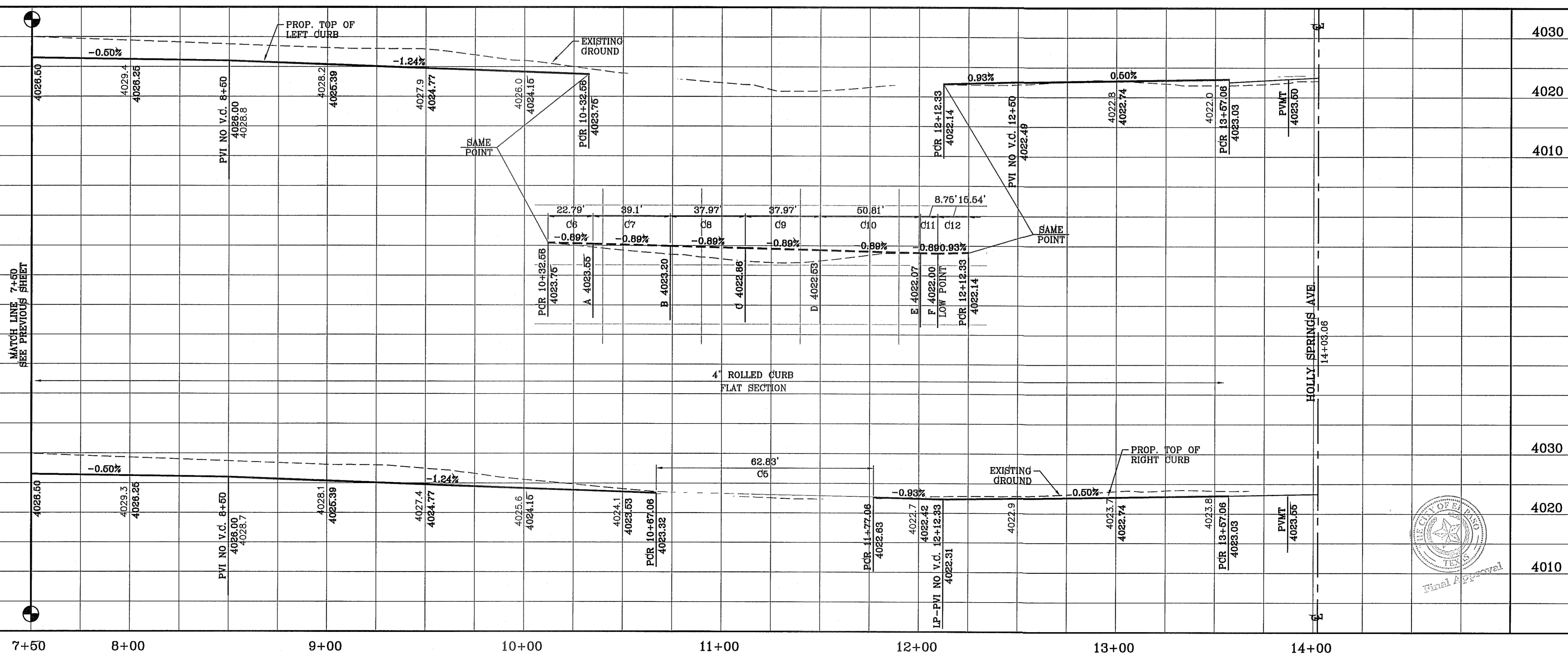
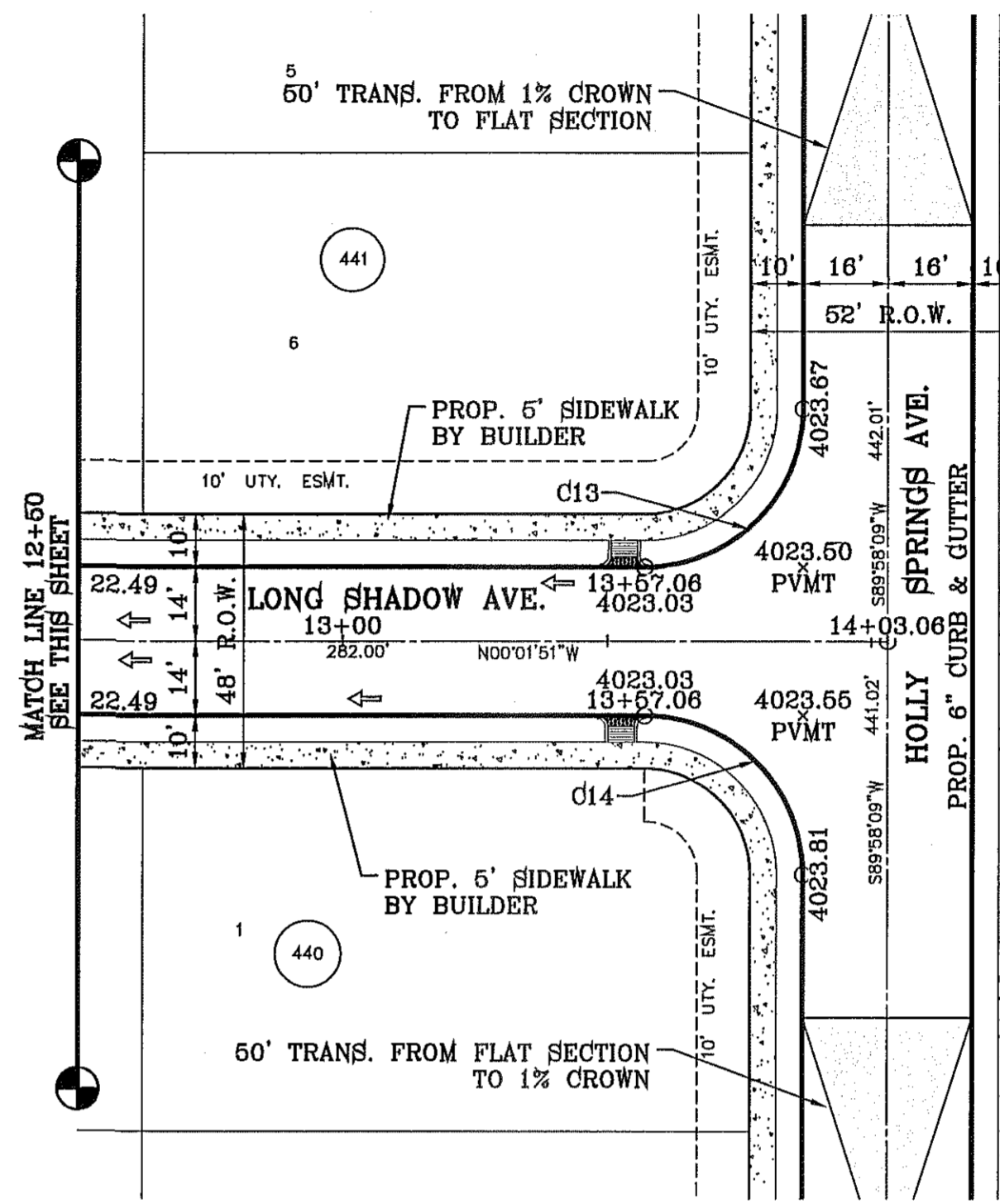
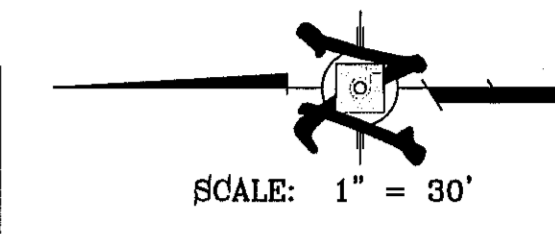
SHT 37 OF 72

FILE LOCATION: s:\subdivisions\TDE 76\DWG\PP-LONG SHADOW PLOTTED ON Tuesday, September 23, 2014 8:46:55 AM BY RUBEN RIVERA



CURVE TABLE						
CURVE	RADIUS	LENGTH	TANGENT	CHORD	BEARING	DELTA
C5	40.00'	62.83'	40.00'	56.57'	N45°01'51"W	90°00'00"
C6	48.00'	22.79'	11.61'	22.58'	N76°22'01"E	27°12'16"
C7	65.00'	39.10'	20.16'	38.51'	S79°59'48"W	34°27'50"
C8	65.00'	37.97'	19.55'	37.44'	N66°02'06"W	33°28'22"
C9	65.00'	37.97'	19.55'	37.44'	N32°33'44"W	33°28'22"

CURVE TABLE						
CURVE	RADIUS	LENGTH	TANGENT	CHORD	BEARING	DELTA
C10	65.00'	50.81'	26.78'	49.53'	N6°34'06"E	44°47'19"
C11	48.00'	8.75'	4.39'	8.73'	S23°44'32"W	10°26'28"
C12	48.00'	15.54'	7.84'	15.47'	S9°14'43"W	18°33'09"
C13	30.00'	47.12'	30.00'	42.43'	S45°01'51"E	90°00'00"
C14	30.00'	47.12'	30.00'	42.43'	N44°58'09"E	90°00'00"



BENCHMARK	
CITY MONUMENT AT THE CENTERLINE INTERSECTION OF RALPH SEITZINGER DR. AND GALICENO PL.	ELEVATION 4025.83
DATE	03/05/14
REVISIONS	POND SIZE INCREASE AND SLOPE CHANGE TO 3:1
BY	R.R.
DATE	9/15/14
REVISIONS	REVISIONS TO LOTS ON BLOCKS 438-442
BY	R.R.
DATE	

PROJECT NAME
TIERRA DEL ESTE UNIT 76
 BEING PORTION OF SECTION 18, BLOCK 76, AND PORTION OF SECTIONS 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, AND PACIFIC RAILWAY CO. SURVEYS, CITY OF EL PASO, EL PASO COUNTY, TEXAS
 CONTAINING: 66.09± ACRES

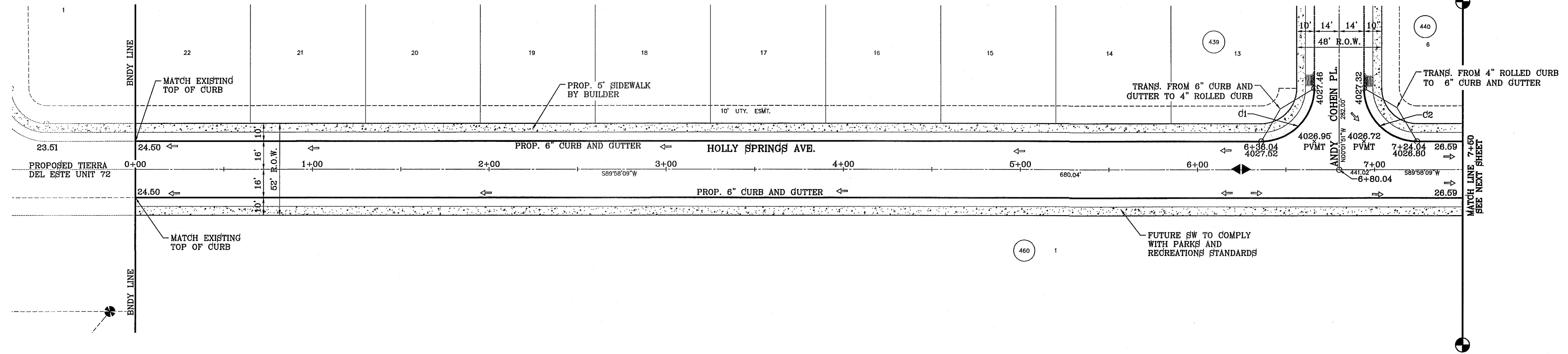
SCALE
 HORIZ: 1" = 30'
 VERT: 1" = 10'
 DATE: MAY 2013
 DESIGN BY: Y.C.
 INITIATED BY: R.R.
 CHECKED BY: Y.C.
 JOB NO.: 113-96

ENGINEER'S SEAL

CONDE INC.
 ENGINEERING / PLANNING
 SURVEYING / GPS
 6080 SURVEY DR. SUITE 100
 EL PASO, TEXAS 79905
 PHONE: (915) 592-0283
 FAX: (915) 592-0286

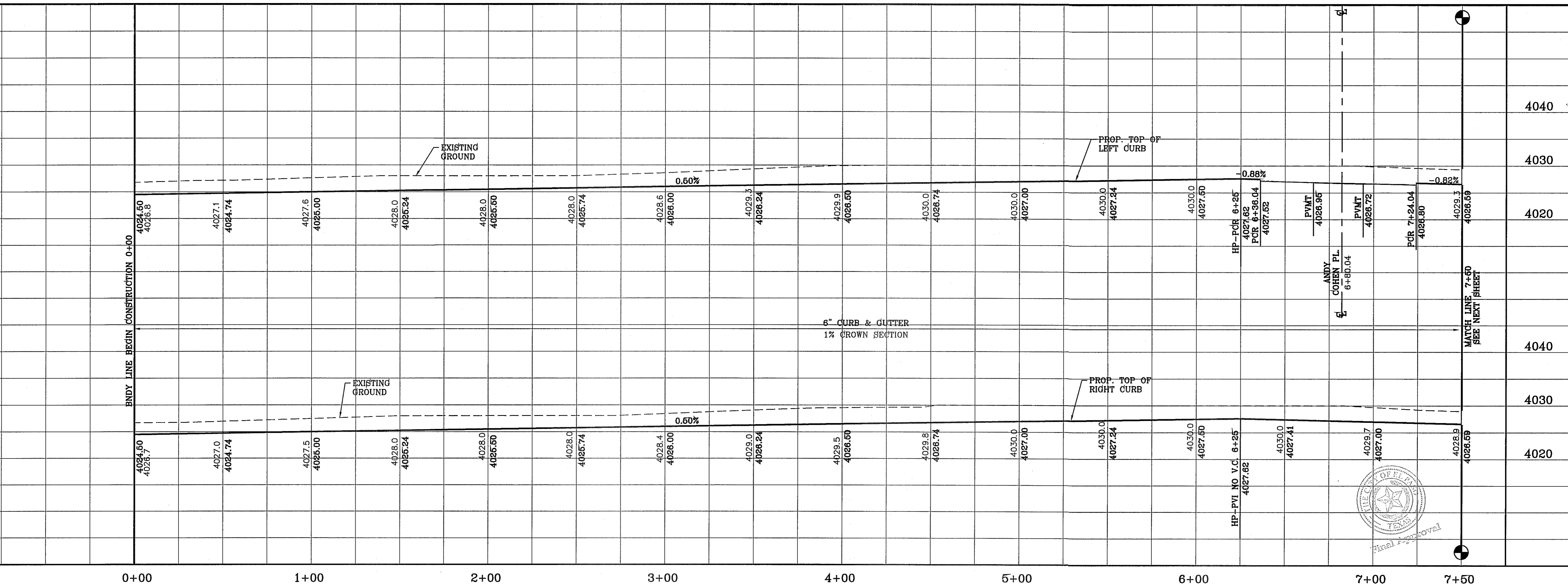
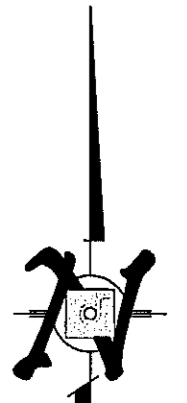
SHEET TITLE
STREET
PLAN-PROFILE
LONG SHADOW AVE.
 FROM STA: 7+50 TO STA: 14+03.06

FILE LOCATION E:\Subdivisions\TDE 76\DWG\PP-HOLLY SPRINGS PLOTTED ON Tuesday, September 23, 2014 8:47:09 AM BY RUBEN RIVERA



CURVE TABLE						
CURVE	RADIUS	LENGTH	TANGENT	CHORD	BEARING	DELTA
C1	30.00'	47.12'	30.00'	42.43'	N44°58'09"E	90°00'00"
C2	30.00'	47.12'	30.00'	42.43'	S45°01'51"E	90°00'00"
C3	30.00'	47.12'	30.00'	42.43'	N44°58'09"E	90°00'00"
C4	30.00'	47.12'	30.00'	42.43'	S45°01'51"E	90°00'00"
C5	30.00'	47.42'	30.30'	42.63'	N44°41'20"E	90°33'38"
C6	30.00'	46.83'	29.71'	42.22'	S45°18'40"E	89°26'22"
C7	30.00'	47.42'	30.30'	42.63'	N44°41'20"E	90°33'38"
C8	35.00'	54.64'	34.66'	49.25'	N45°18'40"W	89°26'22"

SCALE: 1" = 30'



BENCHMARK	
CITY MONUMENT AT THE CENTERLINE INTERSECTION OF RALPH SEITZINGER DR. AND GALICENO PL. ELEVATION 4025.83NAVD88 DATUM
DATE	REVISIONS
05/05/14	POND SIZE INCREASE AND SLOPE CHANGE TO 3:1
9/15/14	REVISIONS TO LOTS ON BLOCK 438-442

PROJECT NAME
TIERRA DEL ESTE UNIT 76
 BEING PORTION OF SECTION 18, BLOCK 78, AND PORTION OF SECTIONS 37 AND 48, BLOCK 79, TOWNSHIP 2, TEXAS AND PACIFIC RAILWAY CO. SURVEYS, CITY OF EL PASO, EL PASO COUNTY, TEXAS
 CONTAINING: 66.09± ACRES

SCALE
 HORIZ: 1" = 90'
 VERT: 1" = 10'
 DATE: MAY 2013
 DESIGN BY: Y.C.
 INITIATED BY: R.R.
 CHECKED BY: Y.C.
 JOB NO.: 113-56

ENGINEER'S SEAL

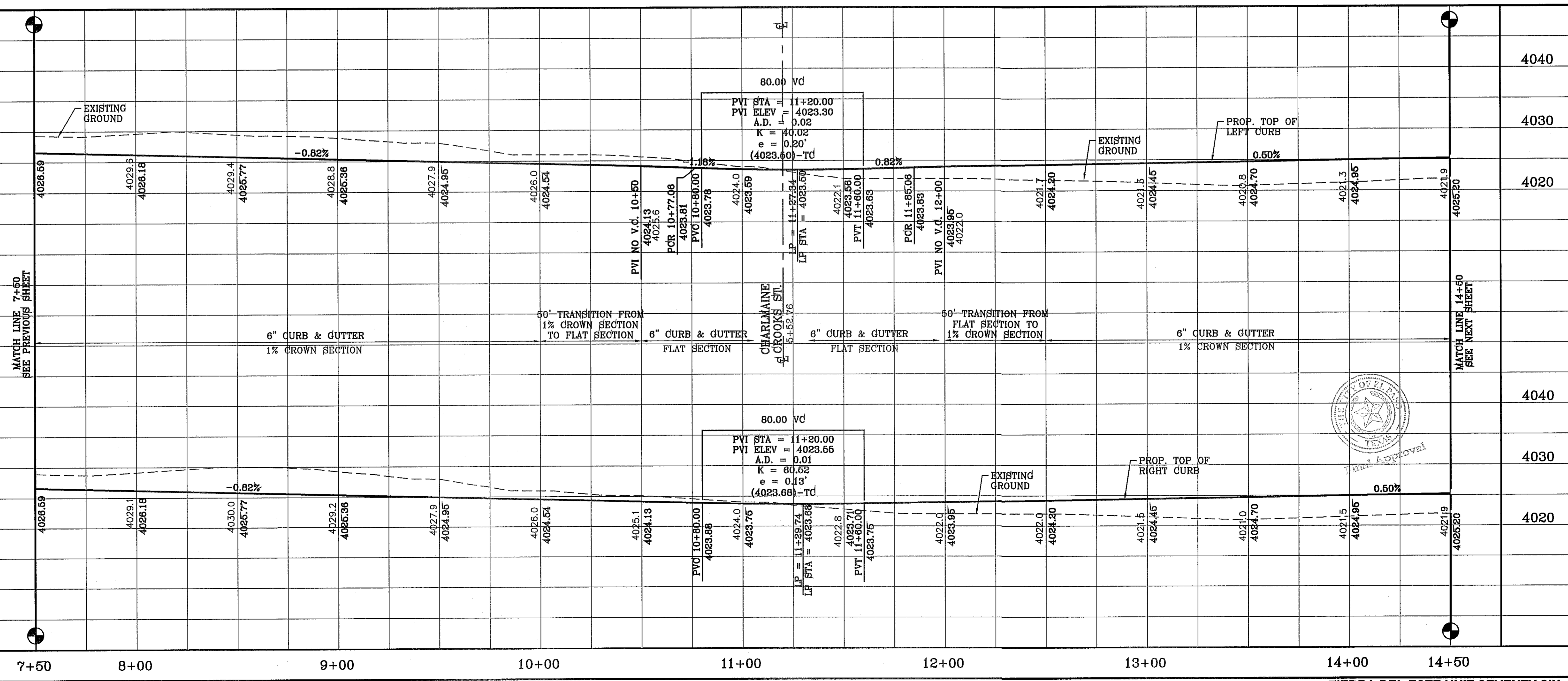
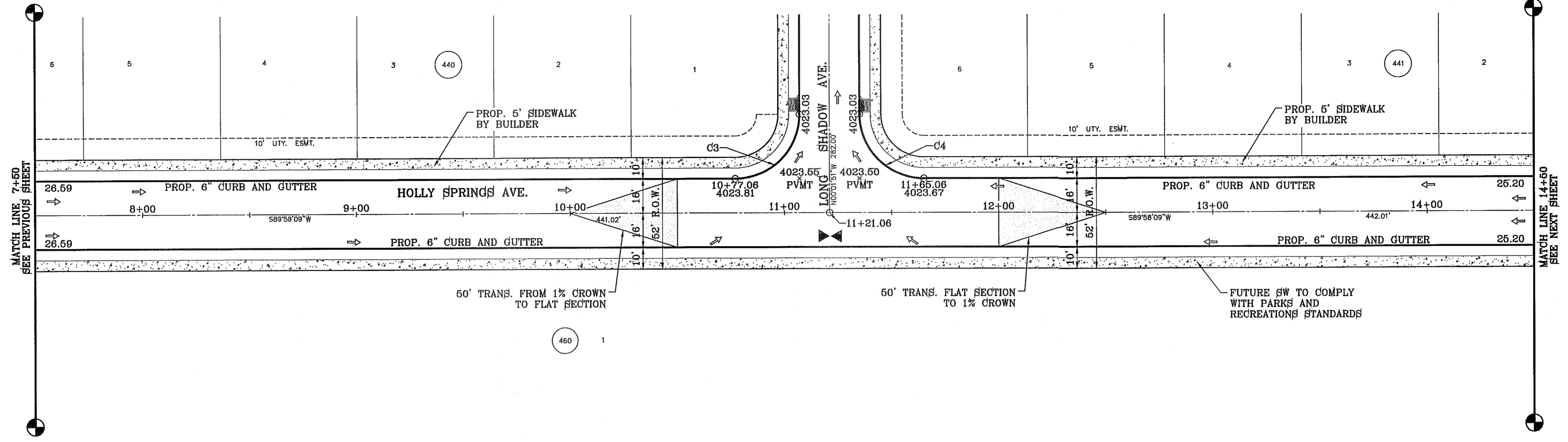
CONDE INC.
 ENGINEERING / PLANNING
 SURVEYING / GPS
 6080 SURBERY DR. STE 100
 EL PASO, TEXAS 79905
 PHONE: (915) 592-0283
 FAX: (915) 592-0286

SHEET TITLE
STREET PLAN - PROFILE
HOLLY SPRINGS AVE.
 FROM STA: 0+00 TO STA: 7+50
 SHT 39 OF 72

FILE LOCATION S:\Subdivisions\TDE 76 DWG\PP-HOLLY SPRINGS PLOTTED ON Tuesday, September 23, 2014 8:47:16 AM BY RUBEN RIVERA

CURVE TABLE						
CURVE	RADIUS	LENGTH	TANGENT	CHORD	BEARING	DELTA
C1	30.00'	47.12'	30.00'	42.43'	N44°58'09"E	90°00'00"
C2	30.00'	47.12'	30.00'	42.43'	S45°01'51"E	90°00'00"
C3	30.00'	47.12'	30.00'	42.43'	N44°58'09"E	90°00'00"
C4	30.00'	47.12'	30.00'	42.43'	S45°01'51"E	90°00'00"
C5	30.00'	47.42'	30.30'	42.63'	N44°41'20"E	90°33'38"
C6	30.00'	46.83'	29.71'	42.22'	S45°18'40"E	89°26'22"
C7	30.00'	47.42'	30.30'	42.63'	N44°41'20"E	90°33'38"
C8	35.00'	54.64'	34.66'	49.25'	N45°18'40"W	89°26'22"

SCALE: 1" = 30'



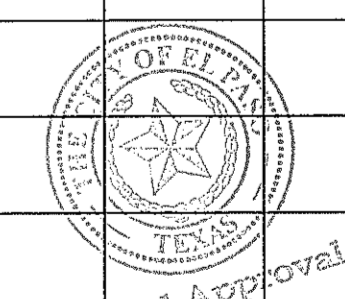
DATE	REVISIONS	BY
03/05/14	POUND SIZE INCREASE AND SLOPE CHANGE TO 3:1	R.R.
09/15/14	REVISIONS TO LOTS ON BLOCKS 438-442	R.R.

PROJECT NAME
TIERRA DEL ESTE UNIT 76
 BEING PORTION OF SECTION 18, BLOCK 76,
 AND PORTION OF SECTIONS 17, 18, 46,
 AND BLOCK 78 TOWNSHIP 2, SURVEYS,
 AND PACIFIC RAILWAY CO. SURVEYS,
 CITY OF EL PASO, EL PASO COUNTY, TEXAS
 CONTAINING: 86.09± ACRES

SCALE
 HORIZ: 1" = 30'
 VERT: 1" = 10'
 DATE: MAY 2013
 DESIGN BY: Y.C.
 INITIATED BY: R.R.
 CHECKED BY: Y.C.
 JOB NO.: 113-35

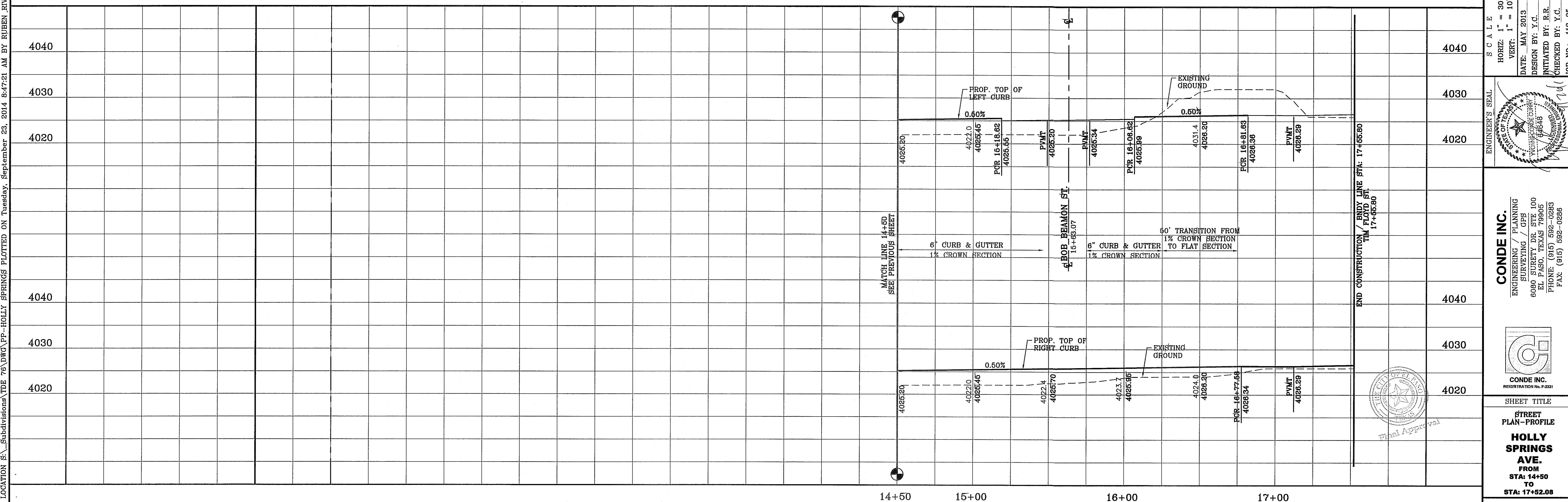
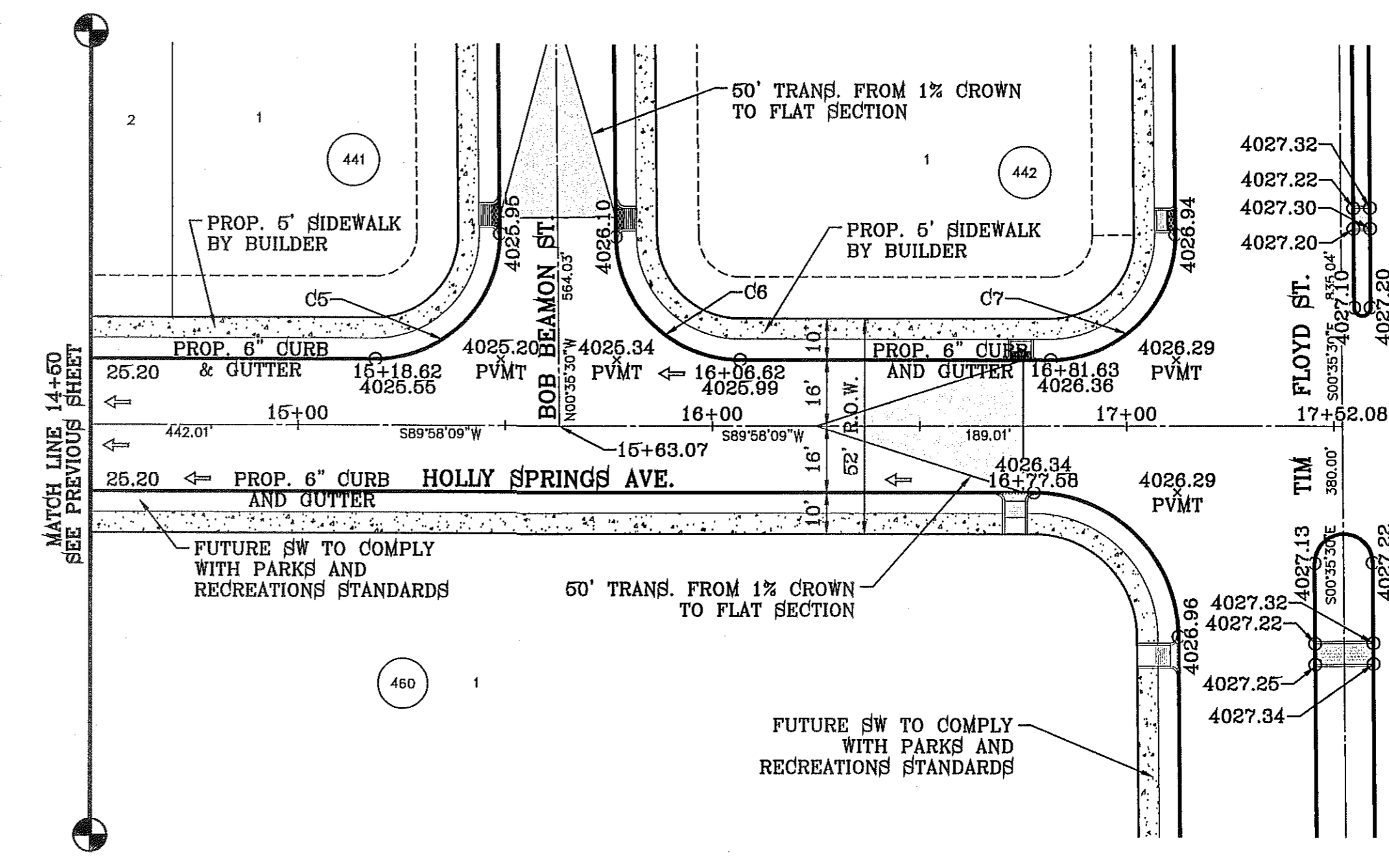
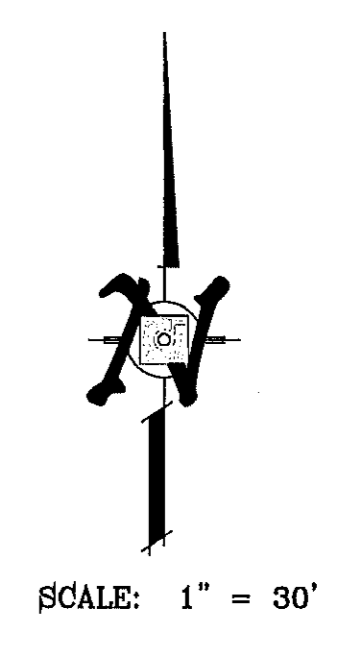
CONDE INC.
 ENGINEERING / PLANNING
 SURVEYING / GPS
 6080 SURETY DR. STE 100
 EL PASO, TEXAS 79905
 PHONE: (915) 592-0283
 FAX: (915) 692-0286

SHEET TITLE
STREET
PLAN-PROFILE
HOLLY SPRINGS
AVE.
 FROM
 STA: 7+50
 TO
 STA: 14+50
SHT 40 OF 72



FILE LOCATION E:\Subdivisions\TDE 76\DWG\PP-HOLLY SPRINGS PLOTTED ON Tuesday, September 23, 2014 8:47:21 AM BY RUBEN_RIVERA

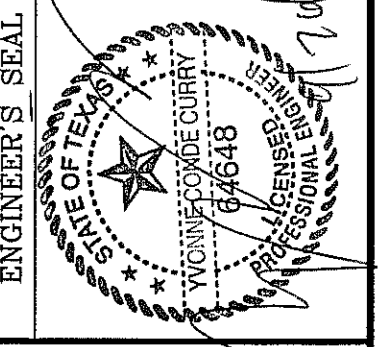
CURVE TABLE						
CURVE	RADIUS	LENGTH	TANGENT	CHORD	BEARING	DELTA
C5	30.00'	47.42'	30.30'	42.63'	N44°41'20"E	90°33'38"
C6	30.00'	46.83'	29.71'	42.22'	S45°18'40"E	89°26'22"
C7	30.00'	47.42'	30.30'	42.63'	N44°41'20"E	90°33'38"
C8	35.00'	54.64'	34.66'	49.25'	N45°18'40"W	89°26'22"



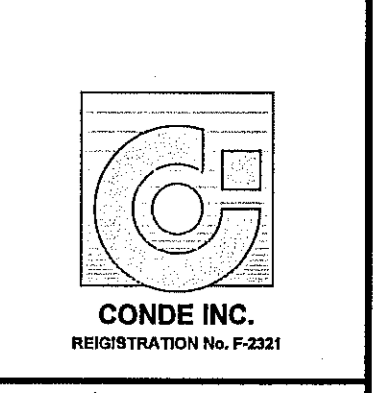
BENCHMARK	CITY MONUMENT AT THE CENTERLINE INTERSECTION OF RALPH SEITZINGER DR. AND GALICENO PL.
ELEVATION	4025.83
DATE	03/05/14
REVISIONS	POND SIZE INCREASE AND SLOPE CHANGE TO 8:1
BY	R.R.
R.R.	REVISIONS TO LOTS ON BLOCKS 498-442

PROJECT NAME
TIERRA DEL ESTE UNIT 76
 BEING PORTION OF SECTION 16, BLOCK 76, AND PORTION OF SECTION 97, BLOCK 48, AND BLOCK 79, TOWNSHIP 2, TEXAS, AND PACIFIC RAILWAY CO. SURVEYS, CITY OF EL PASO, EL PASO COUNTY, TEXAS
 CONTAINING: 86.09± ACRES

SCALE
 HORIZ: 1" = 30'
 VERT: 1" = 10'
 DATE: MAY 2013
 DESIGN BY: Y.C.
 INITIATED BY: R.R.
 CHECKED BY: Y.C.
 JOB NO.: 113-56

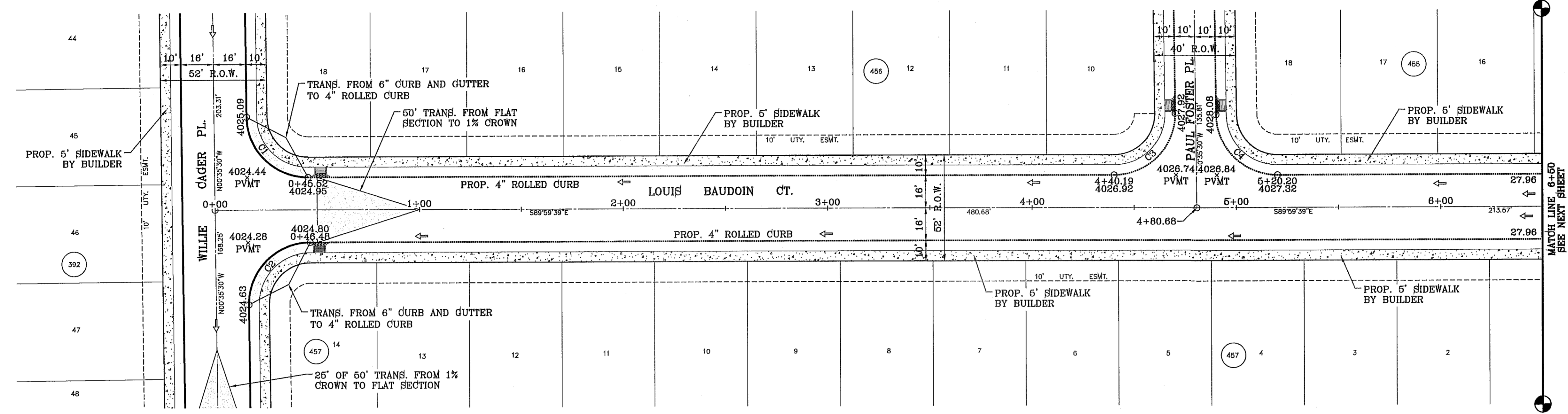


CONDE INC.
 ENGINEERING / PLANNING
 SURVEYING / GPS
 6000 FURETTER DR. STE 100
 EL PASO, TEXAS 79905
 PHONE: (915) 592-0283
 FAX: (915) 592-0286

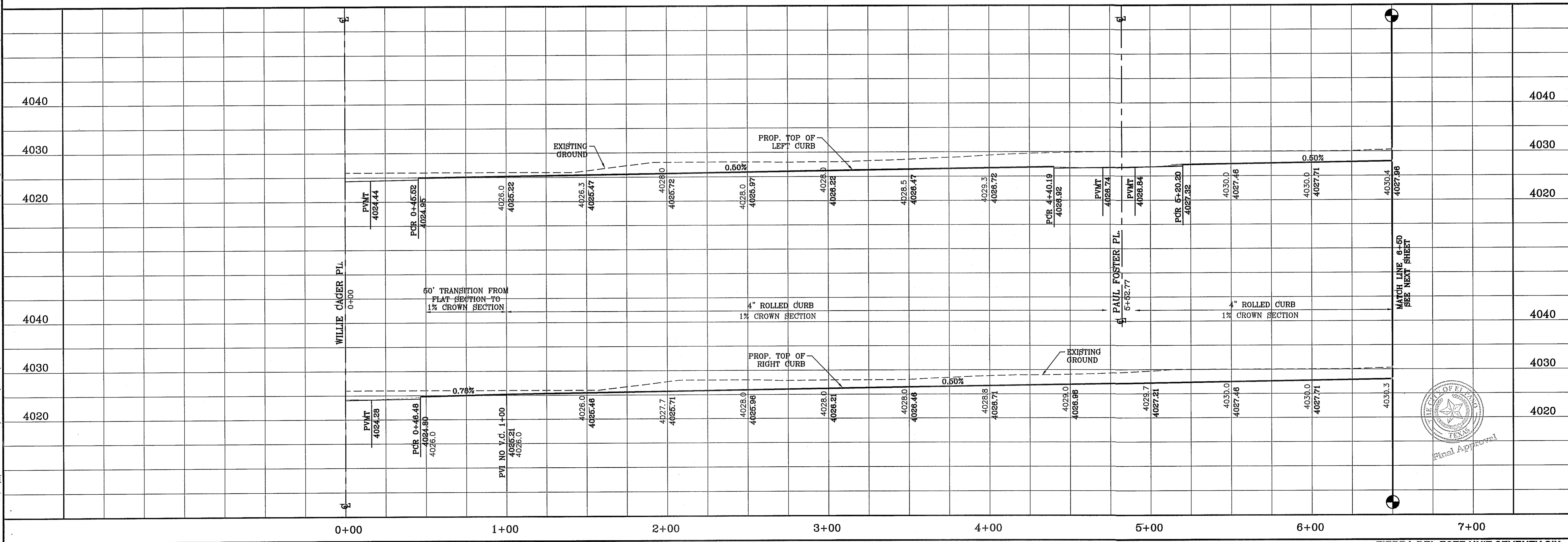
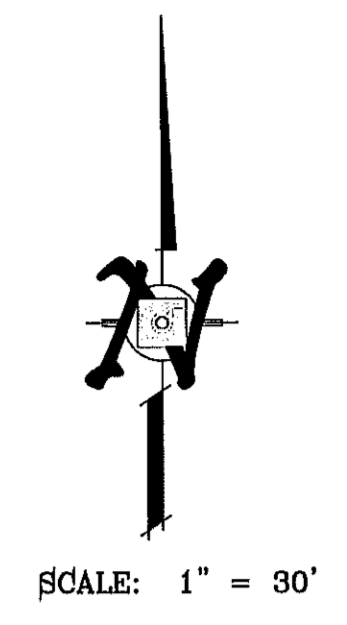


SHEET TITLE
STREET PLAN-PROFILE
HOLLY SPRINGS AVE.
 FROM STA: 14+50 TO STA: 17+52.08

FILE LOCATION S:\Subdivisions\76\DWG\PP-BAUDON-PALACIO PLOTTED ON Tuesday, September 23, 2014 8:47:36 AM BY RUBEN RIVERA



CURVE TABLE						
CURVE	RADIUS	LENGTH	TANGENT	CHORD	BEARING	DELTA
C1	30.00'	46.81'	29.69'	42.20'	S45°17'35"E	89°24'10"
C2	30.00'	47.44'	30.31'	42.65'	S44°42'25"W	90°35'50"
C3	30.00'	47.44'	30.31'	42.65'	N44°42'25"E	90°35'50"
C4	30.00'	46.81'	29.69'	42.20'	S45°17'35"E	89°24'10"



PROJECT NAME
TIERRA DEL ESTE UNIT 76
 BEING PORTION OF SECTION 18, BLOCK 76,
 AND PORTION OF SECTIONS 37 AND 48,
 BLOCK 79, TOWNSHIP 2, SURVEYS,
 AND PACIFIC RAILWAY Co. SURVEYS,
 CITY OF EL PASO, EL PASO COUNTY, TEXAS
 CONTAINING: 86.09± ACRES

SCALE
 HORIZ: 1" = 30'
 VERT: 1" = 10'
 DATE: MAY 2013
 DESIGN BY: Y.C.
 INITIATED BY: R.R.
 CHECKED BY: Y.C.
 JOB NO.: 113-35

ENGINEER'S SEAL

CONDE INC.
 ENGINEERING / PLANNING
 SURVEYING / GIS
 6080 SURETY DR. STE 100
 EL PASO, TEXAS 79905
 PHONE: (915) 592-0283
 FAX: (915) 592-0286

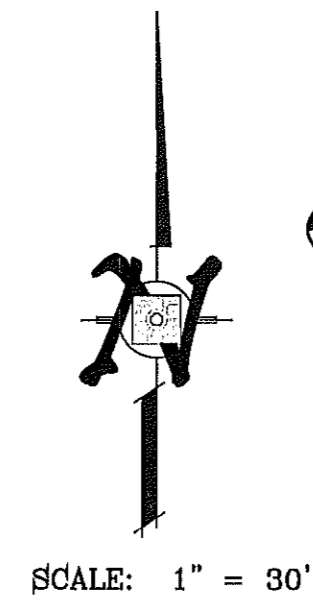
SHEET TITLE
STREET
PLAN-PROFILE
LOUIS BAUDOIN CT.
 FROM
 STA: 0+00
 TO
 STA: 6+50

SHT 42 OF 72

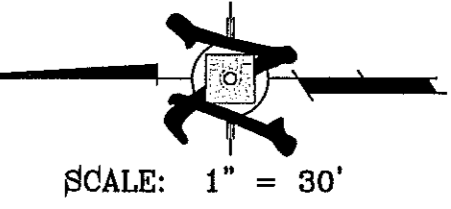
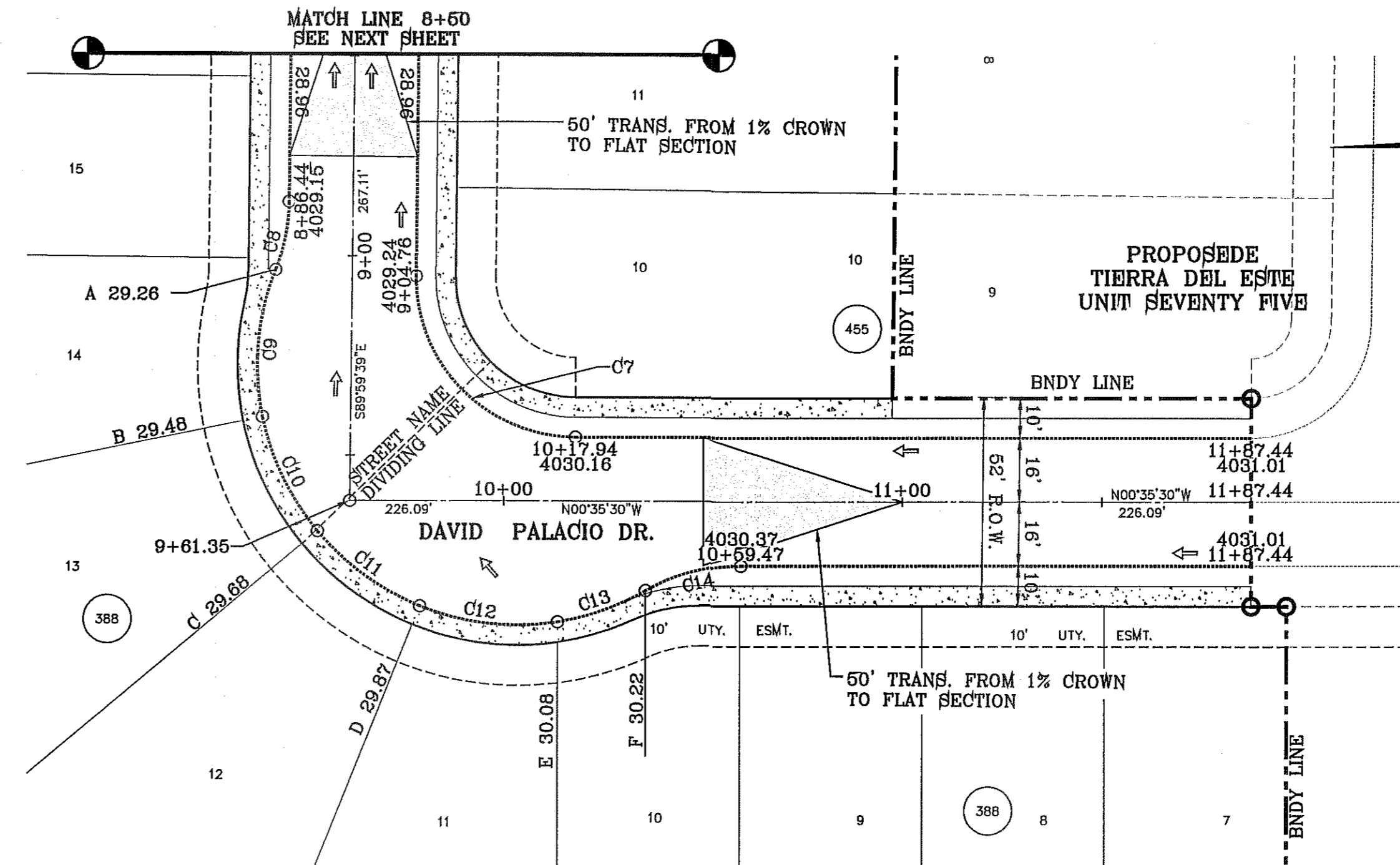
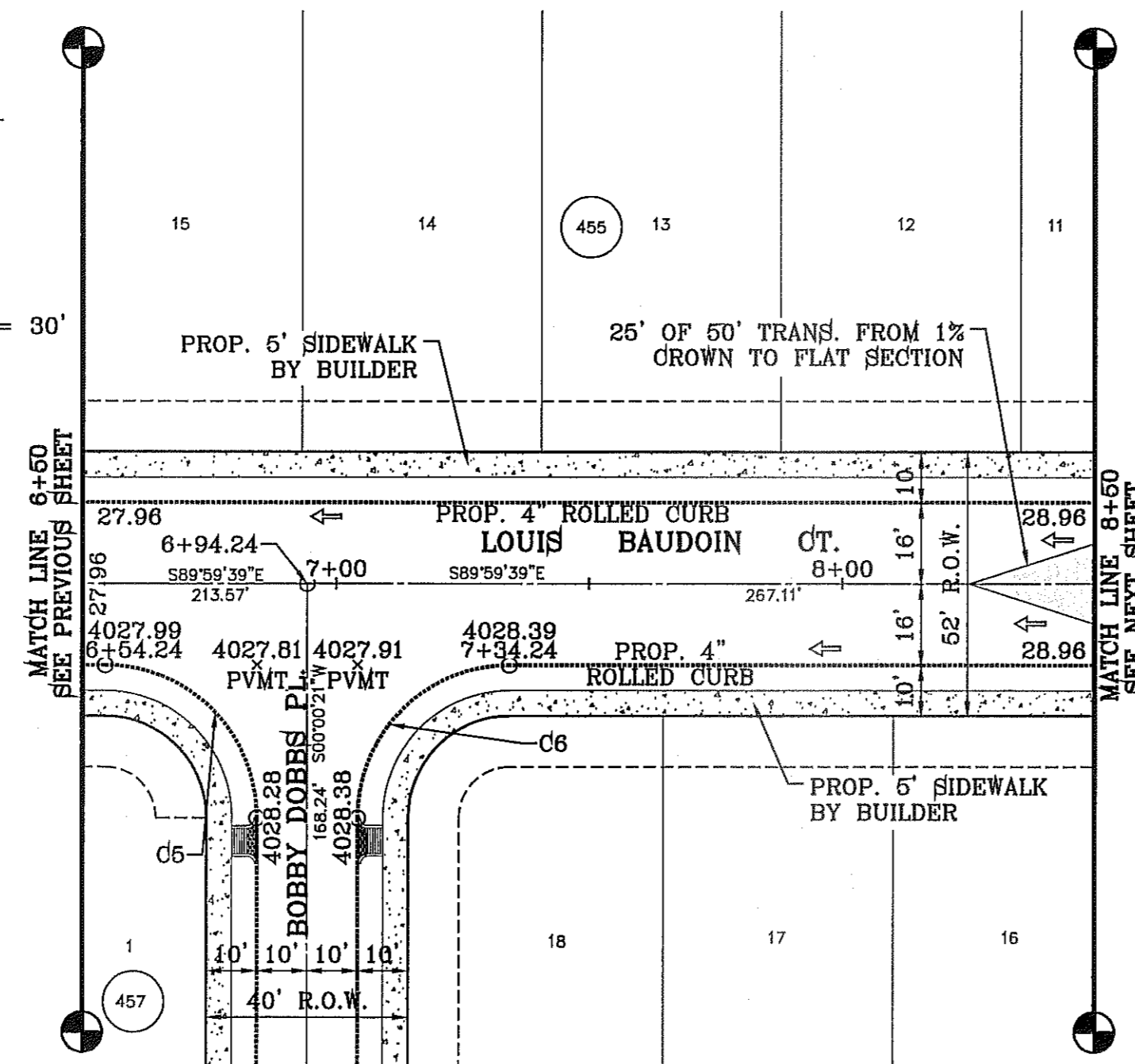
FILE LOCATION: s:\subdivisions\76\DWG\PP-BAUDOIN-PALACIO PLOTTED ON Tuesday, September 23, 2014 8:47:42 AM BY RUBEN RIVERA

CURVE TABLE						
CURVE	RADIUS	LENGTH	TANGENT	CHORD	BEARING	DELTA
C5	30.00'	47.12'	30.00'	42.43'	N44°59'39"W	90°00'00"
C6	30.00'	47.12'	30.00'	42.43'	S45°00'21"W	90°00'00"

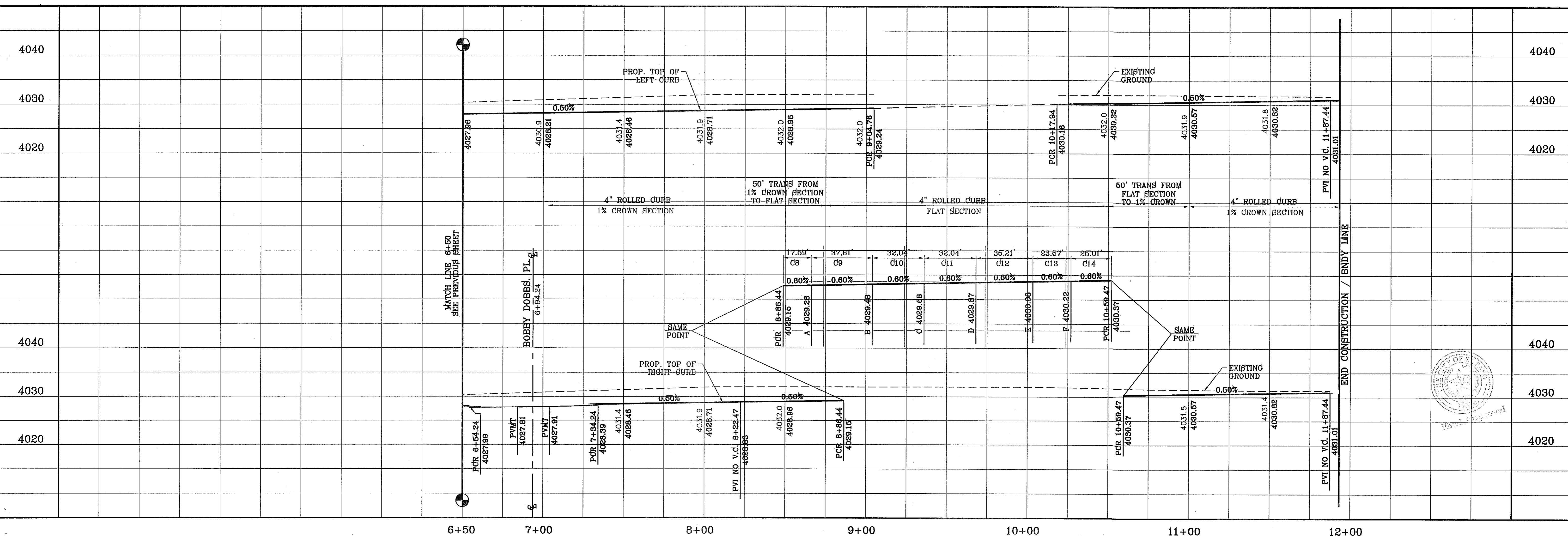
CURVE TABLE						
CURVE	RADIUS	LENGTH	TANGENT	CHORD	BEARING	DELTA
C7	40.00'	63.25'	40.42'	56.86'	N44°42'25"E	90°35'50"
C8	48.00'	17.59'	8.89'	17.49'	N79°29'53"W	20°59'32"
C9	65.00'	37.61'	19.35'	37.08'	S85°34'35"E	33°08'55"
C10	65.00'	32.04'	16.35'	31.72'	N63°43'37"E	28°14'41"
C11	65.00'	32.04'	16.35'	31.72'	N35°28'56"E	28°14'41"
C12	65.00'	35.21'	18.05'	34.78'	N5°50'33"E	31°02'03"
C13	65.00'	23.57'	11.92'	23.44'	N20°03'44"W	20°46'32"
C14	48.00'	25.01'	12.80'	24.73'	S15°31'15"E	29°51'31"



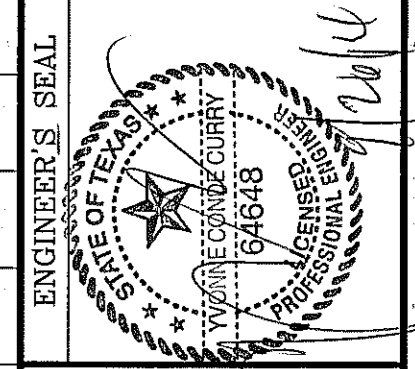
SCALE: 1" = 30'



SCALE: 1" = 80'



SCALE
 HORIZ: 1" = 30'
 VERT: 1" = 10'
 DATE: MAY 2013
 DESIGN BY: Y.C.
 INITIATED BY: R.R.
 CHECKED BY: Y.C.
 JOB NO.: 113-96



CONDE INC.
 ENGINEERING / PLANNING
 SURVEYING / GPS
 6000 SURVEY DR. PEB 100
 EL PASO, TEXAS 79905
 PHONE: (915) 592-0283
 FAX: (915) 592-0286



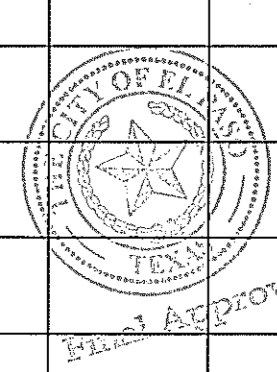
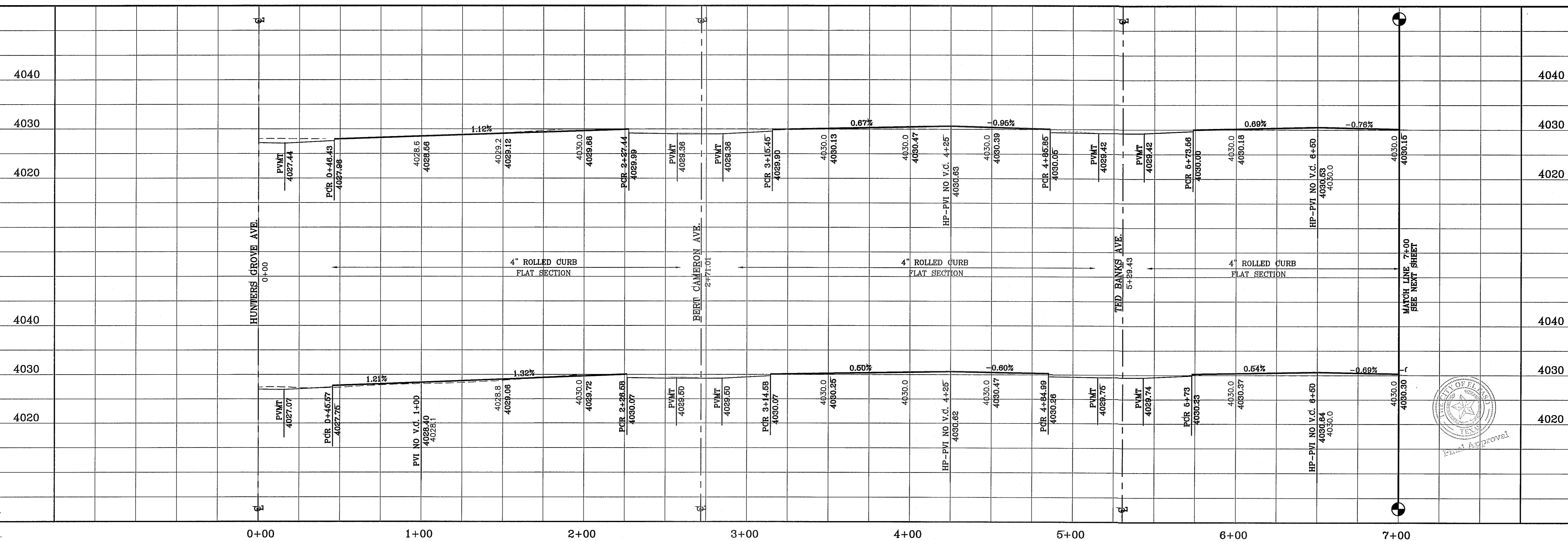
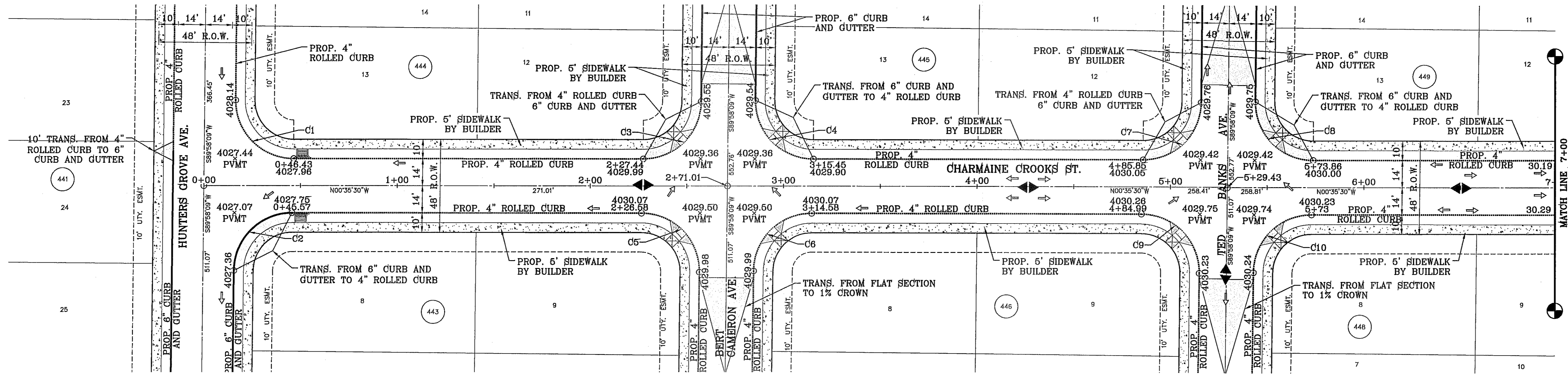
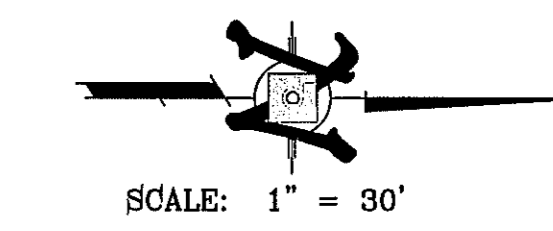
SHEET TITLE
STREET PLAN - PROFILE
LOUIS BAUDOIN CT.
 FROM STA: 6+50
 TO STA: 11+87.44

BENCHMARK
 CITY MONUMENT AT THE CENTERLINE INTERSECTION OF RALPH SEITZINGER DR. AND GALICENO PL. ELEVATION 4025.63
 DATE: 03/05/14
 REVISIONS
 BY: R.R.
 POND SIZE INCREASE AND SLOPE CHANGE TO 8:1

PROJECT NAME
TERRA DEL ESTE UNIT 76
 BEING PORTION OF SECTION 18, BLOCK 76, AND PORTION OF SECTIONS 97 AND 48, AND BLOCK 79, TOWNSHIP 2, SURVEYS AND PACIFIC RAILWAY CO. SURVEYS, CITY OF EL PASO, EL PASO COUNTY, TEXAS
 CONTAINING: 86.09± ACRES

FILE LOCATION: E:\Subdivisions\TDE 76.DWG\PP-CHARMAINE CROOKS PLOTTED ON Tuesday, September 23, 2014 8:47:59 AM BY RUBEN RIVERA

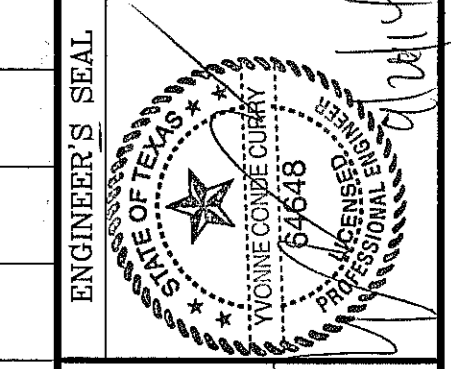
CURVE TABLE						
CURVE	RADIUS	LENGTH	TANGENT	CHORD	BEARING	DELTA
C1	30.00'	47.42'	30.30'	42.63'	N44°41'20"E	90°33'38"
C2	30.00'	46.83'	29.71'	42.22'	S45°18'40"E	89°26'22"
C3	30.00'	46.83'	29.71'	42.22'	N45°18'40"W	89°26'22"
C4	30.00'	47.42'	30.30'	42.63'	N44°41'20"E	90°33'38"
C5	30.00'	47.42'	30.30'	42.63'	S44°41'20"W	90°33'38"
C6	30.00'	46.83'	29.71'	42.22'	S45°18'40"E	89°26'22"
C7	30.00'	46.83'	29.71'	42.22'	N45°18'40"W	89°26'22"
C8	30.00'	47.42'	30.30'	42.63'	N44°41'20"E	90°33'38"
C9	30.00'	47.42'	30.30'	42.63'	S44°41'20"W	90°33'38"
C10	30.00'	46.83'	29.71'	42.22'	S45°18'40"E	89°26'22"



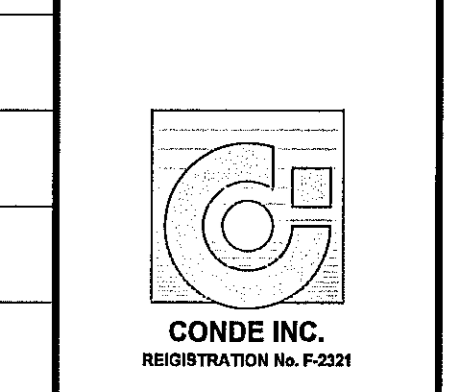
BENCHMARK	CITY MONUMENT AT THE CENTERLINE INTERSECTION OF RALPH SEITZINGER DR. AND GALICENO PL.
ELEVATION	4025.83
DATE	05/05/14
REVISIONS	POND SIZE INCREASE AND SLOPE CHANGE TO 3:1
BY	R.R.

PROJECT NAME
TIERRA DEL ESTE UNIT 76
 BEING PORTION OF SECTION 18, BLOCK 76, AND PORTION OF SECTIONS 97 AND 46, BLOCK 79, TOWNSHIP 2, TEXAS AND PACIFIC RAILWAY CO. SURVEYS, CITY OF EL PASO, EL PASO COUNTY, TEXAS CONTAINING: 66.09± ACRES

SCALE
 HORIZ: 1" = 30'
 VERT: 1" = 10'
 DATE: MAY 2013
 DESIGN BY: Y.C.
 INITIATED BY: R.R.
 CHECKED BY: Y.C.
 JOB NO.: 113-36



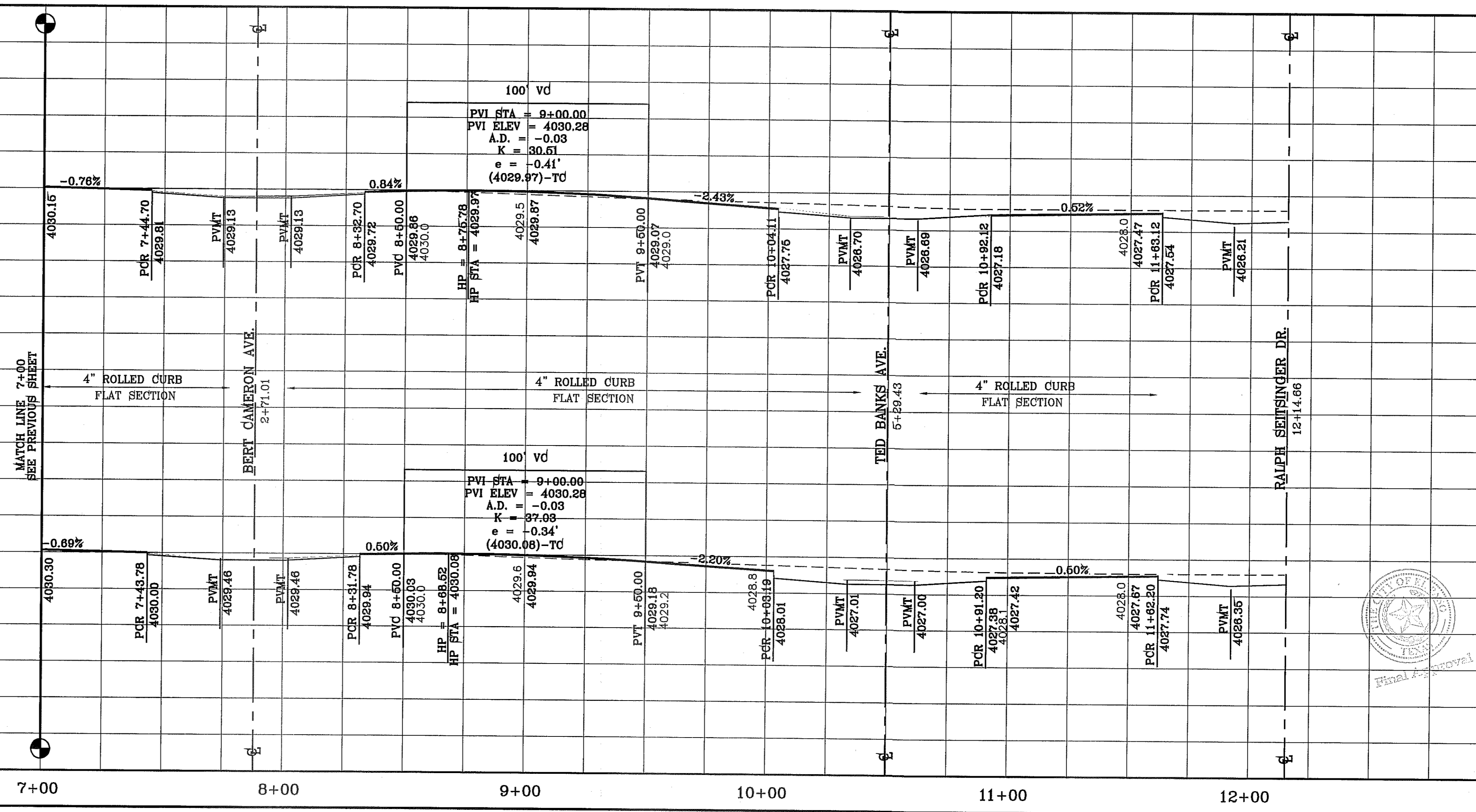
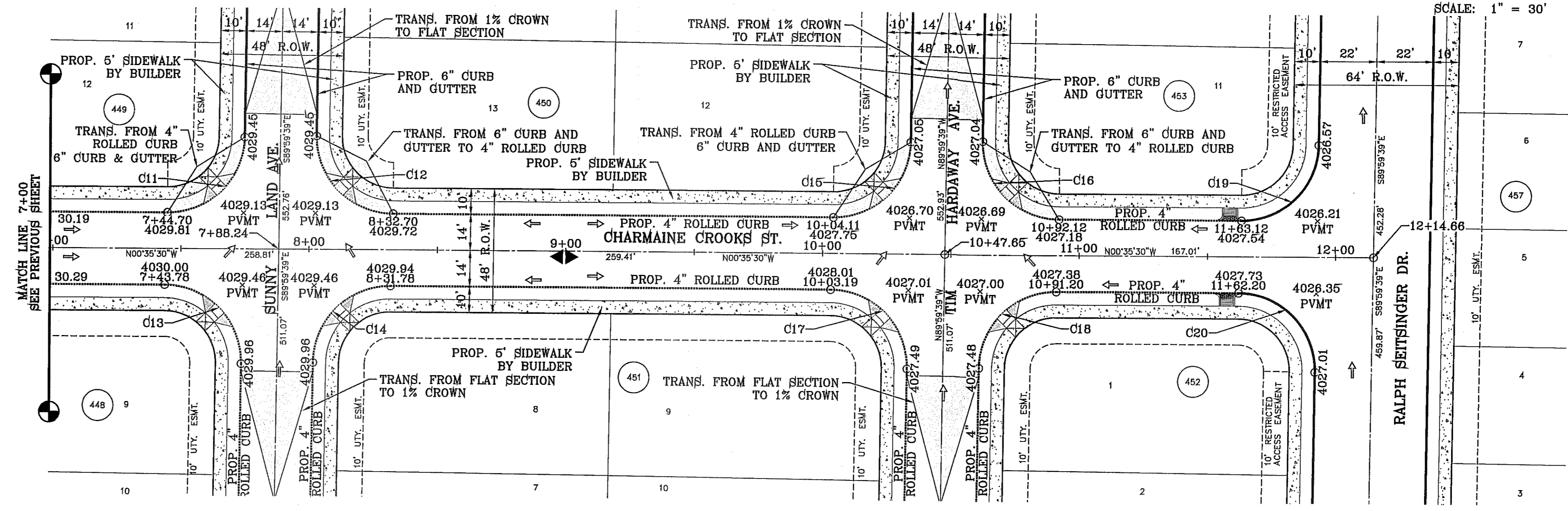
CONDE INC.
 ENGINEERING / PLANNING
 SURVEYING / GPS
 6080 SURETY DR. STE 100
 EL PASO, TEXAS 79905
 PHONE: (915) 592-0283
 FAX: (915) 592-0286



SHEET TITLE
STREET
PLAN-PROFILE
CHARMAINE CROOKS ST.
 FROM STA: 0+00 TO STA: 7+00

FILE LOCATION: S:\Subdivisions\IDE 76\DWG\PP-CHARMAINE CROOKS PLOTTED ON Tuesday, September 23, 2014 8:48:05 AM BY RUBEN RIVERA

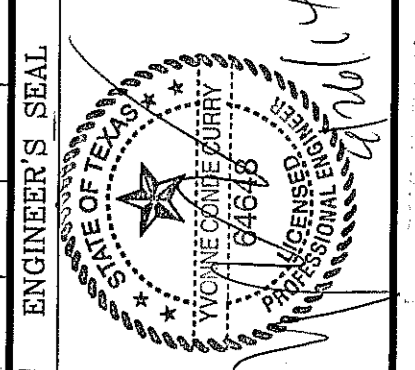
CURVE TABLE						
CURVE	RADIUS	LENGTH	TANGENT	CHORD	BEARING	DELTA
C11	30.00'	46.81'	29.69'	42.20'	N45°17'35"W	89°24'10"
C12	30.00'	47.44'	30.31'	42.65'	N44°42'25"E	90°35'50"
C13	30.00'	47.44'	30.31'	42.65'	S44°42'25"W	90°35'50"
C14	30.00'	46.81'	29.69'	42.20'	S45°17'35"E	89°24'10"
C15	30.00'	46.81'	29.69'	42.20'	N45°17'35"W	89°24'10"
C16	30.00'	47.44'	30.31'	42.65'	N44°42'25"E	90°35'50"
C17	30.00'	47.44'	30.31'	42.65'	S44°42'25"W	90°35'50"
C18	30.00'	46.81'	29.69'	42.20'	S45°17'35"E	89°24'10"
C19	30.00'	46.81'	29.69'	42.20'	N45°17'35"W	89°24'10"
C20	30.00'	47.44'	30.31'	42.65'	S44°42'25"W	90°35'50"



BENCHMARK	CITY MONUMENT AT THE CENTERLINE INTERSECTION OF RALPH SEITSINGER DR. AND GALICENO PL. ELEVATION 4025.83
DATE	03/05/14
BY	R.R.
REVISIONS	POND SIZE INCREASE AND SLOPE CHANGE TO 3:1

PROJECT NAME
TIERRA DEL ESTE UNIT 76
 BEING PORTION OF SECTION 18, BLOCK 76, AND PORTION OF SECTIONS 37 AND 48, BLOCK 79, TOWNSHIP 2, TEXAS AND PACIFIC RAILWAY CO. SURVEYS, CITY OF EL PASO, EL PASO COUNTY, TEXAS CONTAINING: 86.09± ACRES

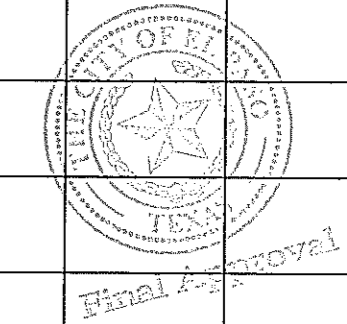
SCALE
 HORIZ: 1" = 30'
 VERT: 1" = 10'
 DATE: MAY 2013
 DESIGN BY: Y.C.
 INITIATED BY: R.R.
 CHECKED BY: Y.C.
 JOB NO.: 113-35



CONDE INC.
 ENGINEERING / PLANNING
 SURVEYING / GPS
 6080 SURETY DR. STE 100
 EL PASO, TEXAS 79905
 PHONE: (915) 592-0283
 FAX: (915) 592-0286

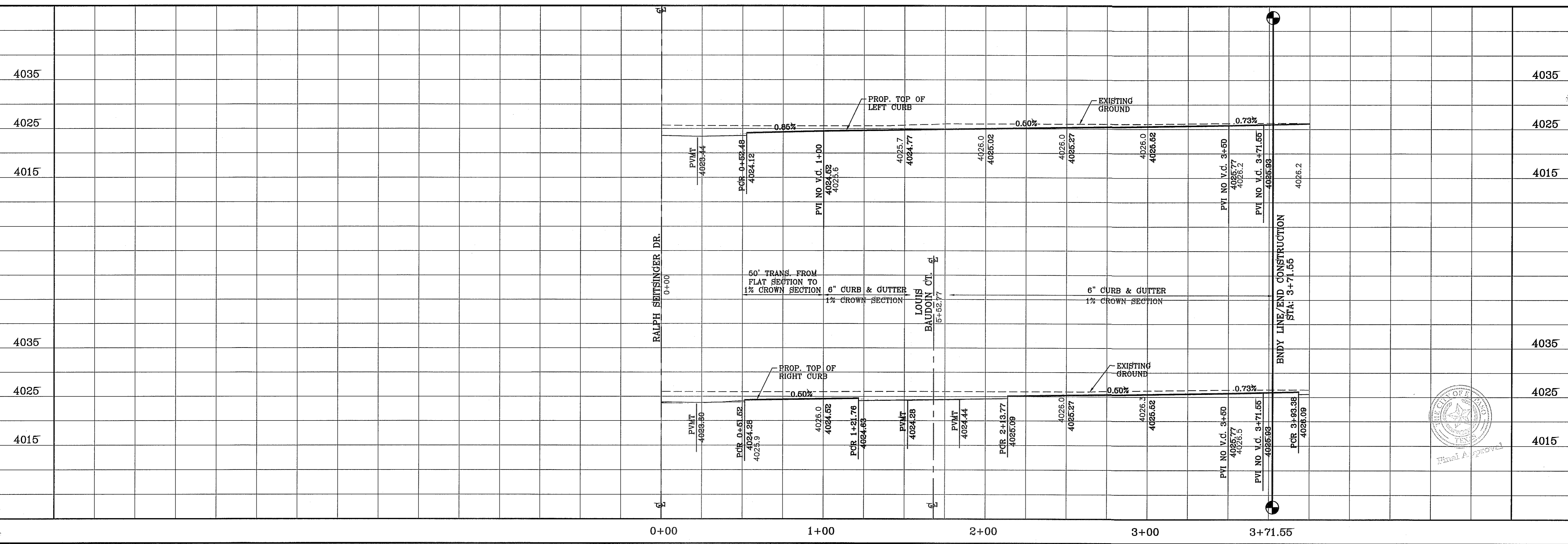
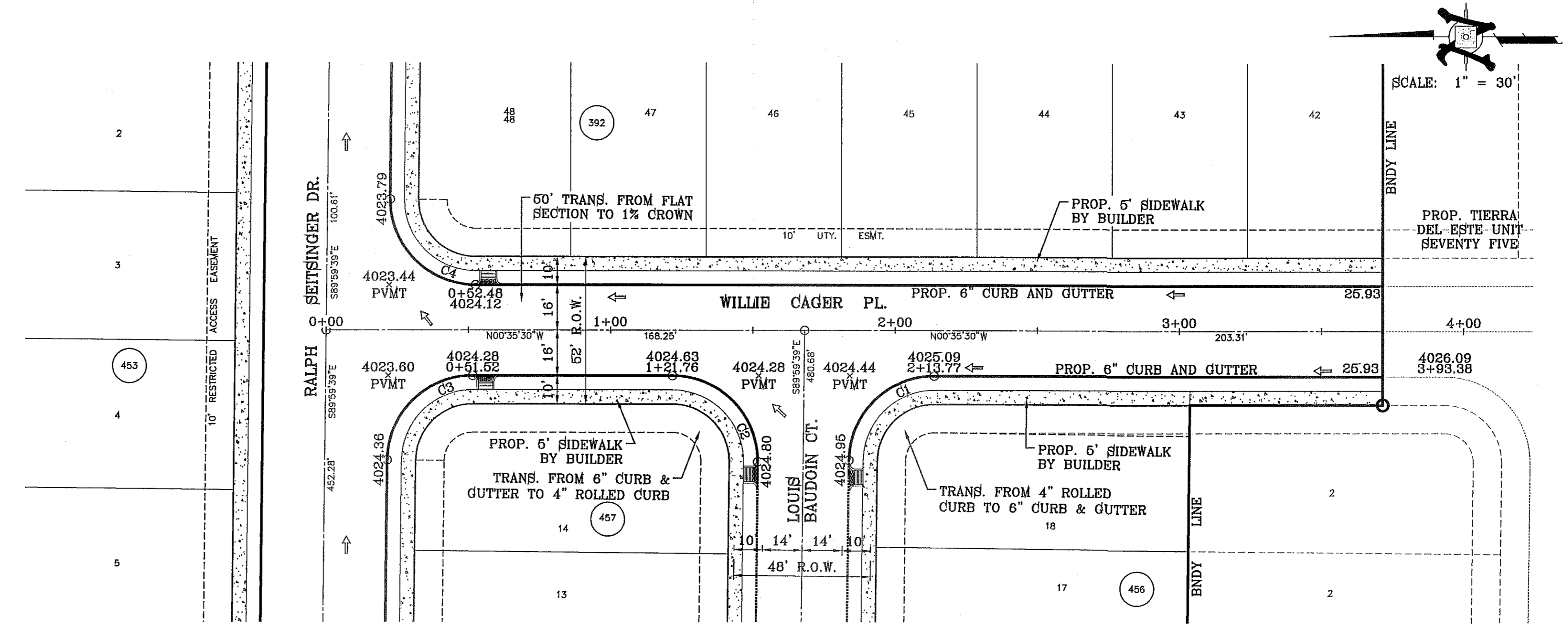


SHEET TITLE
STREET PLAN - PROFILE
CHARMAINE CROOKS ST.
 FROM STA: 7+00
 TO STA: 12+14.66



FILE LOCATION S:\Subdivisions\TDE 76\DWG\PP-WILLIE CAGER PLOTTED ON Tuesday, September 23, 2014 8:48:18 AM BY RUBEN RIVERA

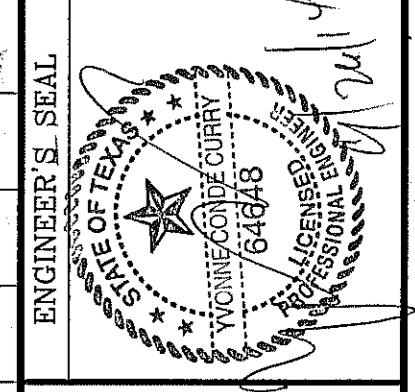
CURVE TABLE						
CURVE	RADIUS	LENGTH	TANGENT	CHORD	BEARING	DELTA
C1	30.00'	46.81'	29.69'	42.20'	S45°17'35"E	89°24'10"
C2	30.00'	47.44'	30.31'	42.65'	S44°42'25"W	90°35'50"
C3	30.00'	46.81'	29.69'	42.20'	S45°17'35"E	89°24'10"
C4	30.00'	47.44'	30.31'	42.65'	N44°42'25"E	90°35'50"



BENCHMARK	
CITY MONUMENT AT THE CENTERLINE INTERSECTION OF RALPH SETSINGER DR. AND GALICENO PL.	ELEVATION 4025.83
DATE	05/05/14
BY	R.R.
REVISIONS	POUND SIZE INCREASE AND SLOPE CHANGE TO 3:1

PROJECT NAME
TIERRA DEL ESTE UNIT 76
 BEING PORTION OF SECTION 18, BLOCK 76, AND PORTION OF SECTIONS 97 AND 46, BLOCK 79, TOWNSHIP 2, TEXAS AND PACIFIC RAILWAY CO. SURVEYS, CITY OF EL PASO, EL PASO COUNTY, TEXAS CONTAINING: 86.09± ACRES

SCALE
 HORIZ: 1" = 30'
 VERT: 1" = 10'
 DATE: MAY 2013
 DESIGN BY: Y.C.
 INITIATED BY: R.R.
 CHECKED BY: Y.C.
 JOB NO.: 113-36



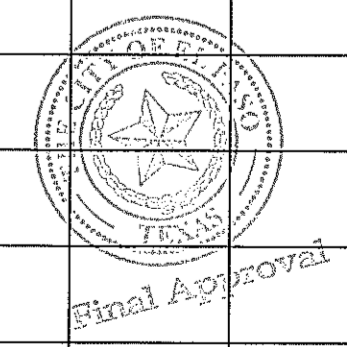
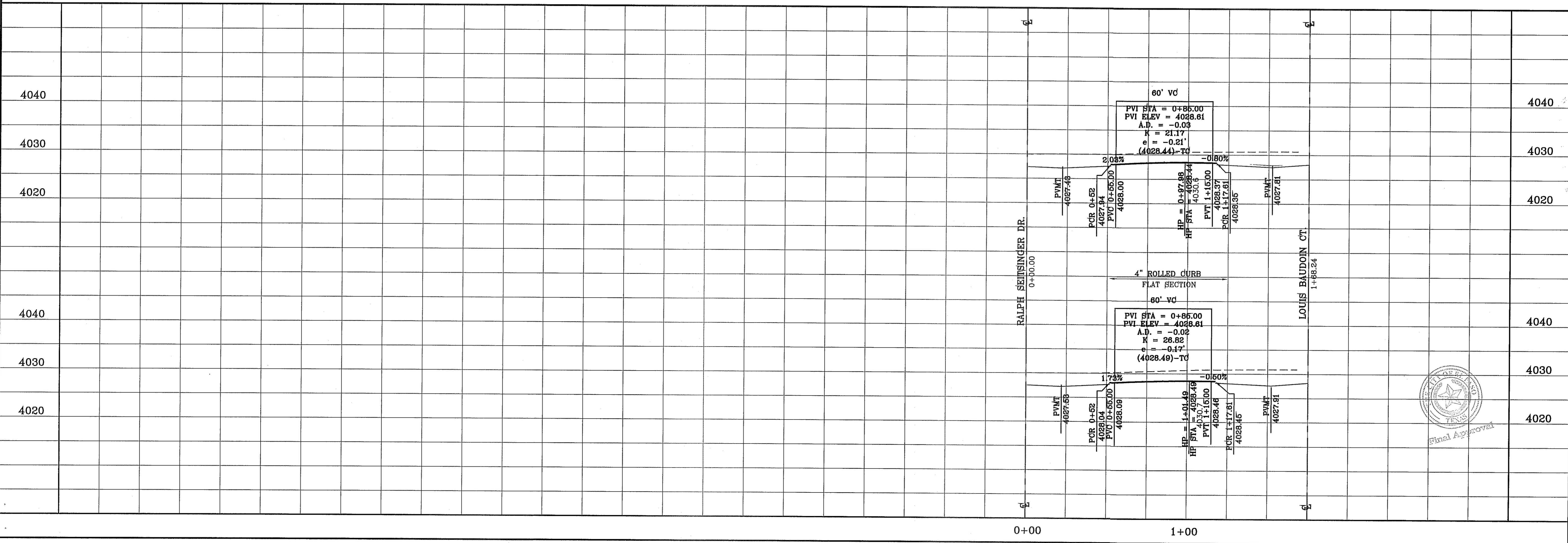
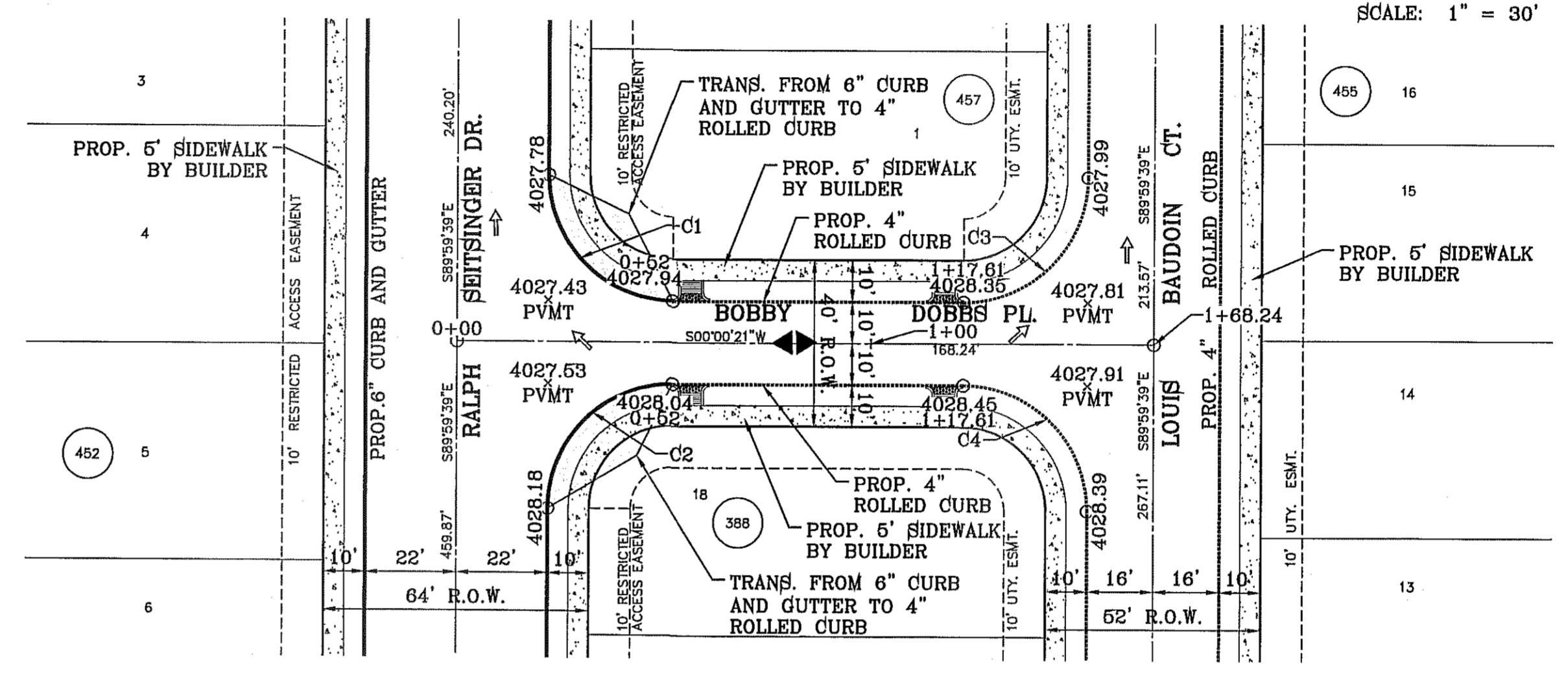
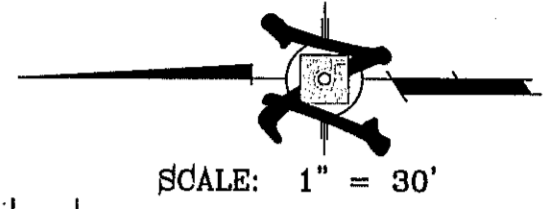
CONDE INC.
 ENGINEERING / PLANNING
 SURVEYING / GPS
 6080 SURVEY DR. STE 100
 EL PASO, TEXAS 79905
 PHONE: (915) 592-0283
 FAX: (915) 592-0286



SHEET TITLE
STREET PLAN-PROFILE
WILLIE CAGER PL.
 IN ITS ENTIRETY
SHT 46 OF 72

FILE LOCATION s:\Subdivisions\TDE 76 DWG\PP-BOBBY DOBBS PLOTTED ON Tuesday, September 23, 2014 8:48:27 AM BY RUBEN RIVERA

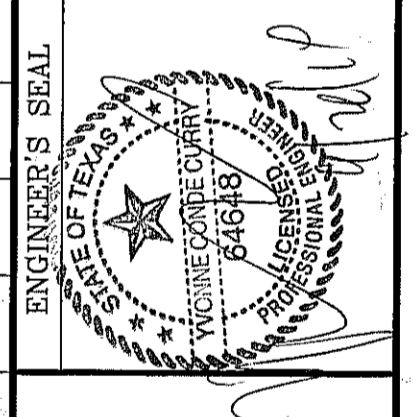
CURVE TABLE						
CURVE	RADIUS	LENGTH	TANGENT	CHORD	BEARING	DELTA
C1	30.00'	47.12'	30.00'	42.43'	N45°00'21"E	90°00'00"
C2	30.00'	47.12'	30.00'	42.43'	S44°59'39"E	90°00'00"
C3	30.00'	47.12'	30.00'	42.43'	N44°59'39"W	90°00'00"
C4	30.00'	47.12'	30.00'	42.43'	S45°00'21"W	90°00'00"



BENCHMARK	
CITY MONUMENT AT THE CENTERLINE INTERSECTION OF RALPH SEITZINGER DR. AND GALICENO PL. ELEVATION 4025.63	NAVD88 DATUM
DATE	REVISIONS
03/05/14	POND SIZE INCREASE AND SLOPE CHANGE TO 3:1
	R.R.

PROJECT NAME
TIERRA DEL ESTE UNIT 76
 BEING PORTION OF SECTION 18, BLOCK 76, AND PORTION OF SECTIONS 37 AND 46, BLOCK 79, TOWNSHIP 2, TEXAS AND PACIFIC RAILWAY CO. SURVEYS, CITY OF EL PASO, EL PASO COUNTY, TEXAS CONTAINING: 86.09± ACRES

SCALE
 HORIZ: 1" = 30'
 VERT: 1" = 10'
 DATE: MAY 2013
 DESIGN BY: Y.C.
 INITIATED BY: R.R.
 CHECKED BY: Y.C.
 JOB NO.: 113-95



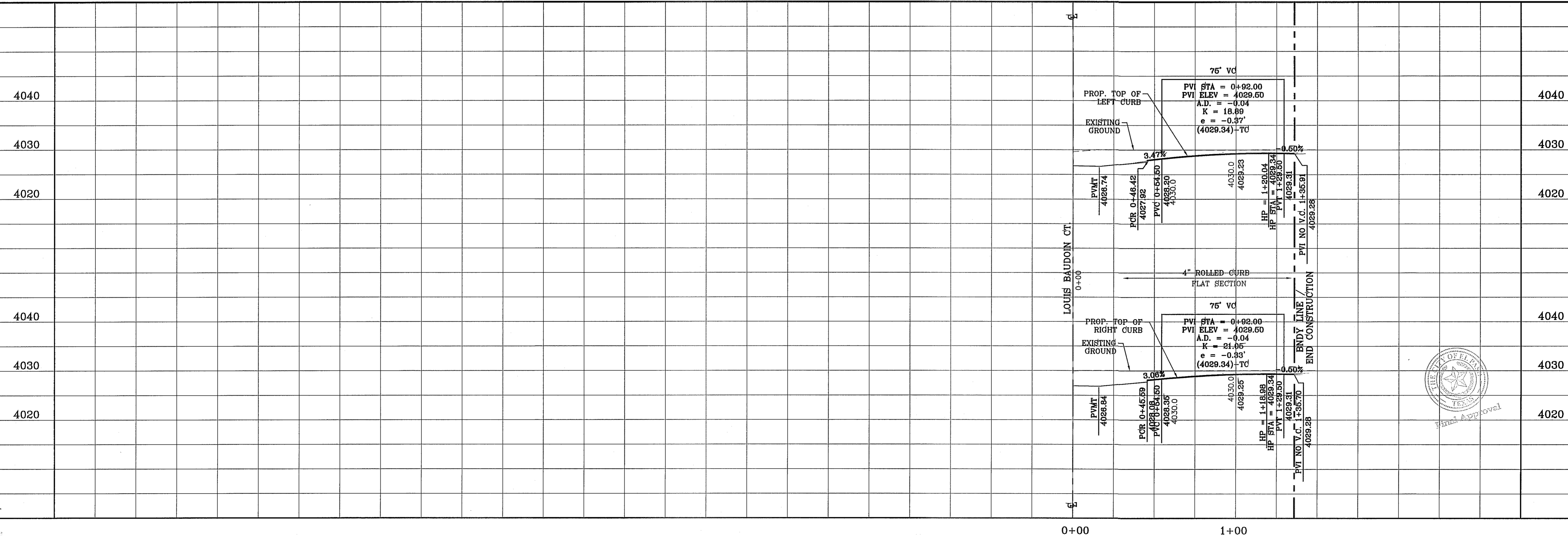
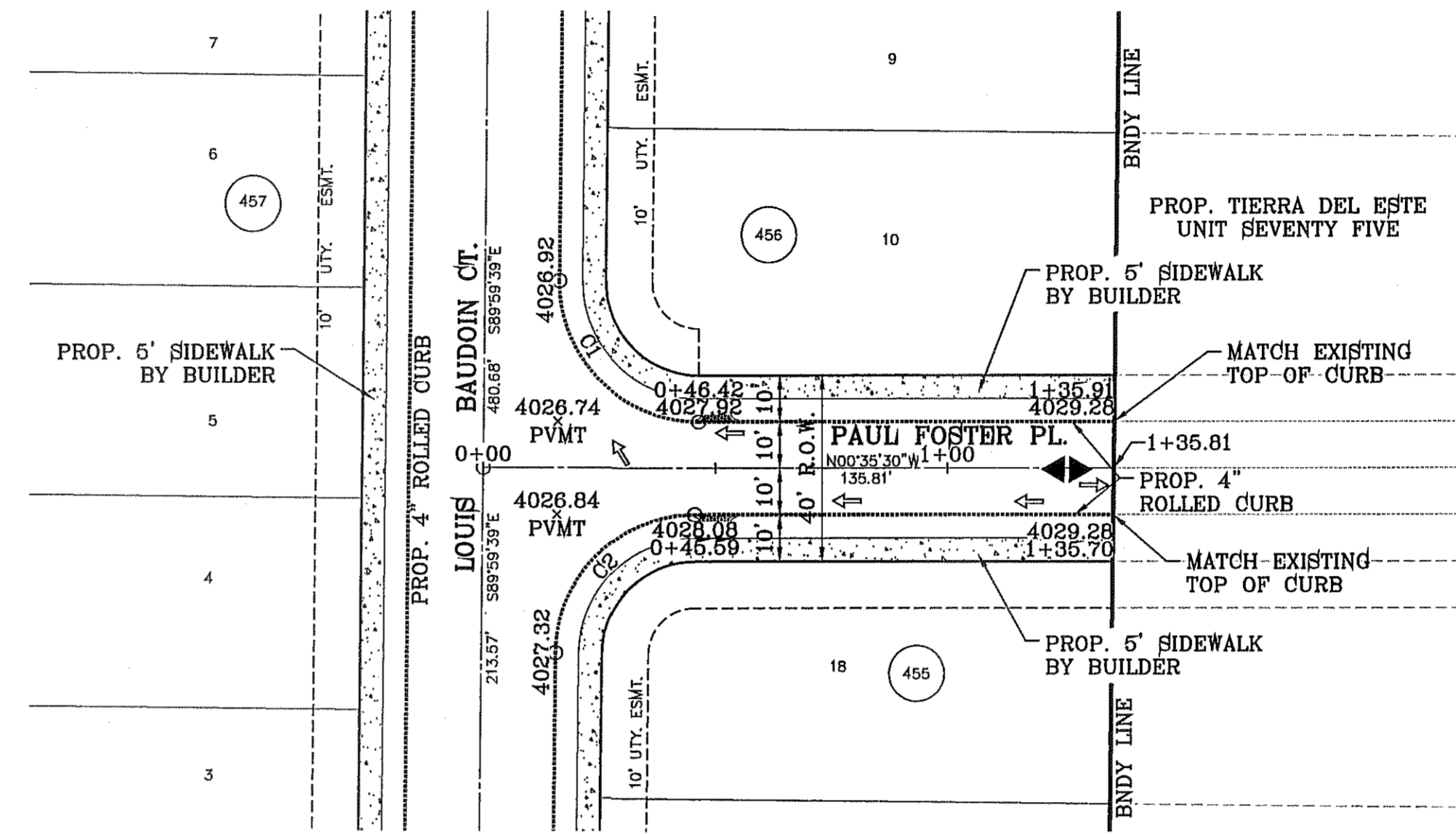
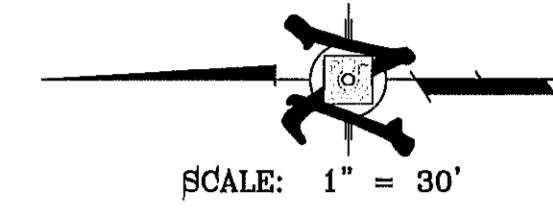
CONDE INC.
 ENGINEERING / PLANNING
 SURVEYING / GPS
 6080 SURETY DR. STE 100
 EL PASO, TEXAS 79905
 PHONE: (915) 592-0283
 FAX: (915) 592-0286



SHEET TITLE
STREET PLAN-PROFILE
BOBBY DOBBS PL.
 IN ITS ENTIRETY

FILE LOCATION: S:\Subdivisions\76\DWG_PP-PAUL FOSTER PLOTTED ON Tuesday, September 23, 2014 8:46:41 AM BY RUBEN RIVERA

CURVE TABLE						
CURVE	RADIUS	LENGTH	TANGENT	CHORD	BEARING	DELTA
C1	30.00'	47.44'	30.31'	42.65'	N44°42'25"E	90°35'50"
C2	30.00'	46.81'	29.69'	42.20'	S45°17'35"E	89°24'10"



BENCHMARK	
CITY MONUMENT AT THE CENTERLINE INTERSECTION OF RALPH SEITZINGER DR. AND GALICENO PL. ELEVATION 4025.83	REVISIONS
DATE: 03/05/14	POND SIZE INCREASE AND SLOPE CHANGE TO 3:1
BY: R.R.	

PROJECT NAME
TIERRA DEL ESTE UNIT 76
 BEING PORTION OF SECTION 18, BLOCK 78, AND PORTION OF SECTIONS 87 AND 48, AND BLOCK 79, TOWNSHIP 2, TEXAS, AND PACIFIC RAILWAY CO. SURVEYS, CITY OF EL PASO, EL PASO COUNTY, TEXAS CONTAINING: 86.09± ACRES

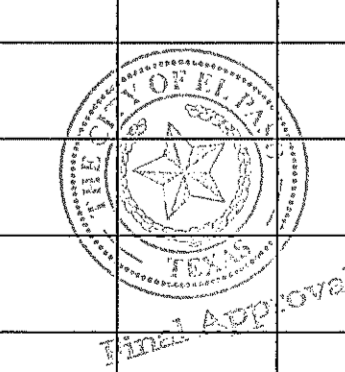
SCALE
 HORIZ: 1" = 30'
 VERT: 1" = 10'
 DATE: MAY 2013
 DESIGN BY: Y.C.
 INITIATED BY: R.R.
 CHECKED BY: Y.C.
 JOB NO.: 113-36

ENGINEER'S SEAL

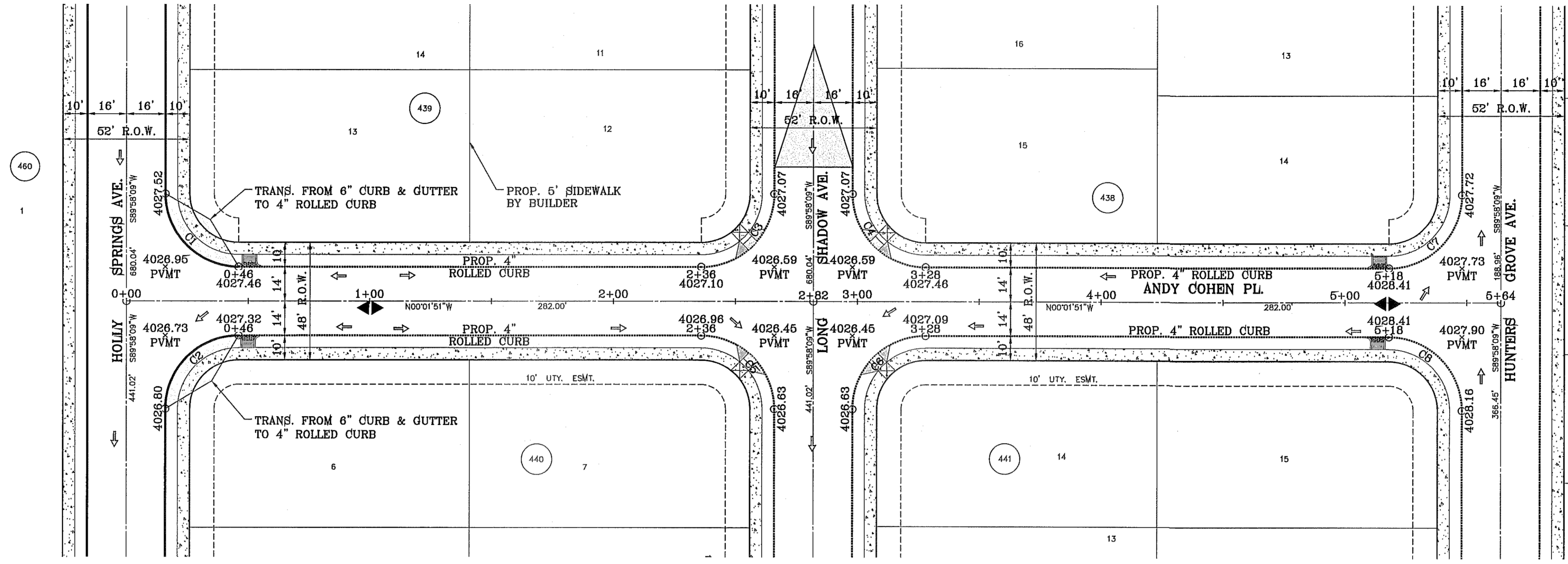
CONDE INC.
 ENGINEERING / PLANNING
 SURVEYING / GPS
 6060 SURETY DR. STE 100
 EL PASO, TEXAS 79905
 PHONE: (915) 592-0283
 FAX: (915) 592-0286

SHEET TITLE
STREET PLAN-PROFILE
PAUL FOSTER PL.
 IN ITS ENTIRETY

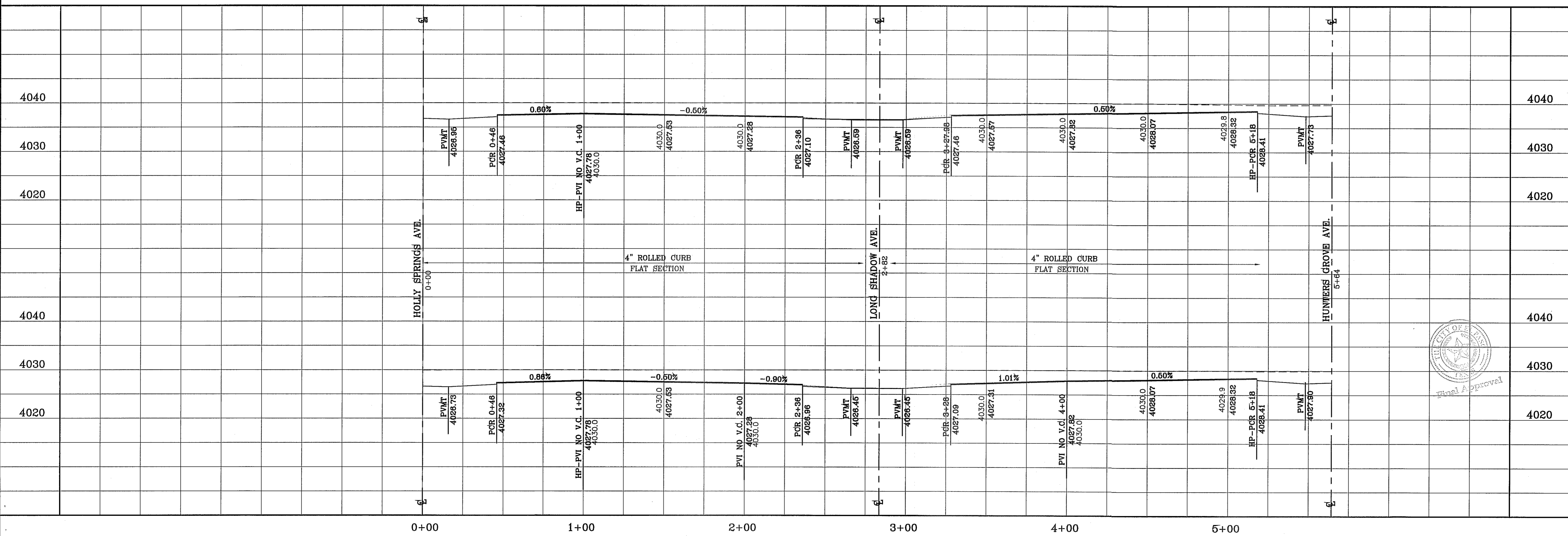
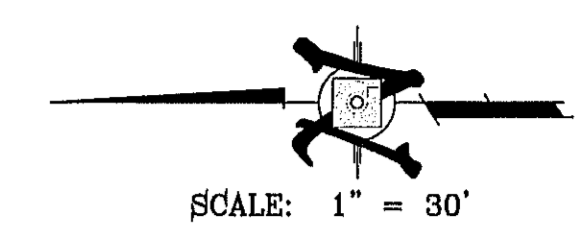
SHT 48 OF 72



FILE LOCATION: s:\Subdivisions\TDE 76\DWG\PP-ANDY COHEN PLOTTED ON Tuesday, September 23, 2014 8:48:54 AM BY RUBEN RIVERA



CURVE TABLE						
CURVE	RADIUS	LENGTH	TANGENT	CHORD	BEARING	DELTA
C1	30.00'	47.12'	30.00'	42.43'	N44°58'09"E	90°00'00"
C2	30.00'	47.12'	30.00'	42.43'	S45°01'51"E	90°00'00"
C3	30.00'	47.12'	30.00'	42.43'	N45°01'51"W	90°00'00"
C4	30.00'	47.12'	30.00'	42.43'	N44°58'09"W	90°00'00"
C5	30.00'	47.12'	30.00'	42.43'	S44°58'09"E	90°00'00"
C6	30.00'	47.12'	30.00'	42.43'	S45°01'51"E	90°00'00"
C7	30.00'	47.12'	30.00'	42.43'	N45°01'51"W	90°00'00"
C8	30.00'	47.12'	30.00'	42.43'	S44°58'09"W	90°00'00"



TIERRA DEL ESTE UNIT 76
 BEING PORTION OF SECTION 18, BLOCK 78,
 AND BLOCK 79, TOWNSHIP 2, TEXAS
 AND PACIFIC RAILWAY CO. SURVEYS,
 CITY OF EL PASO, EL PASO COUNTY, TEXAS
 CONTAINING: 86.09± ACRES

CONDE INC.
 ENGINEERING / PLANNING
 SURVEYING / GPS
 6080 SURETY DR. STE. 100
 EL PASO, TEXAS 79905
 PHONE: (915) 592-0285
 FAX: (915) 592-0286

ANDY COHEN PL.
 IN ITS ENTIRETY

TIERRA DEL ESTE UNIT SEVENTY SIX
 SHT 49 OF 72

ENGINEER'S SEAL
 YAGNER COHEN RIVERA
 PROFESSIONAL ENGINEER
 STATE OF TEXAS
 57648

SCALE
 HORIZ: 1" = 30'
 VERT: 1" = 10'
 DATE: MAY 2013
 DESIGN BY: Y.C.
 INITIATED BY: R.R.
 CHECKED BY: Y.C.
 JOB NO.: 113-36

REVISIONS

DATE	REVISIONS	BY
03/05/14	POND SIZE INCREASE AND SLOPE CHANGE TO 3:1	R.R.
9/15/14	REVISION TO LOTS ON BLOCKS 438-442	R.R.

PROJECT NAME
 TIERRA DEL ESTE UNIT 76

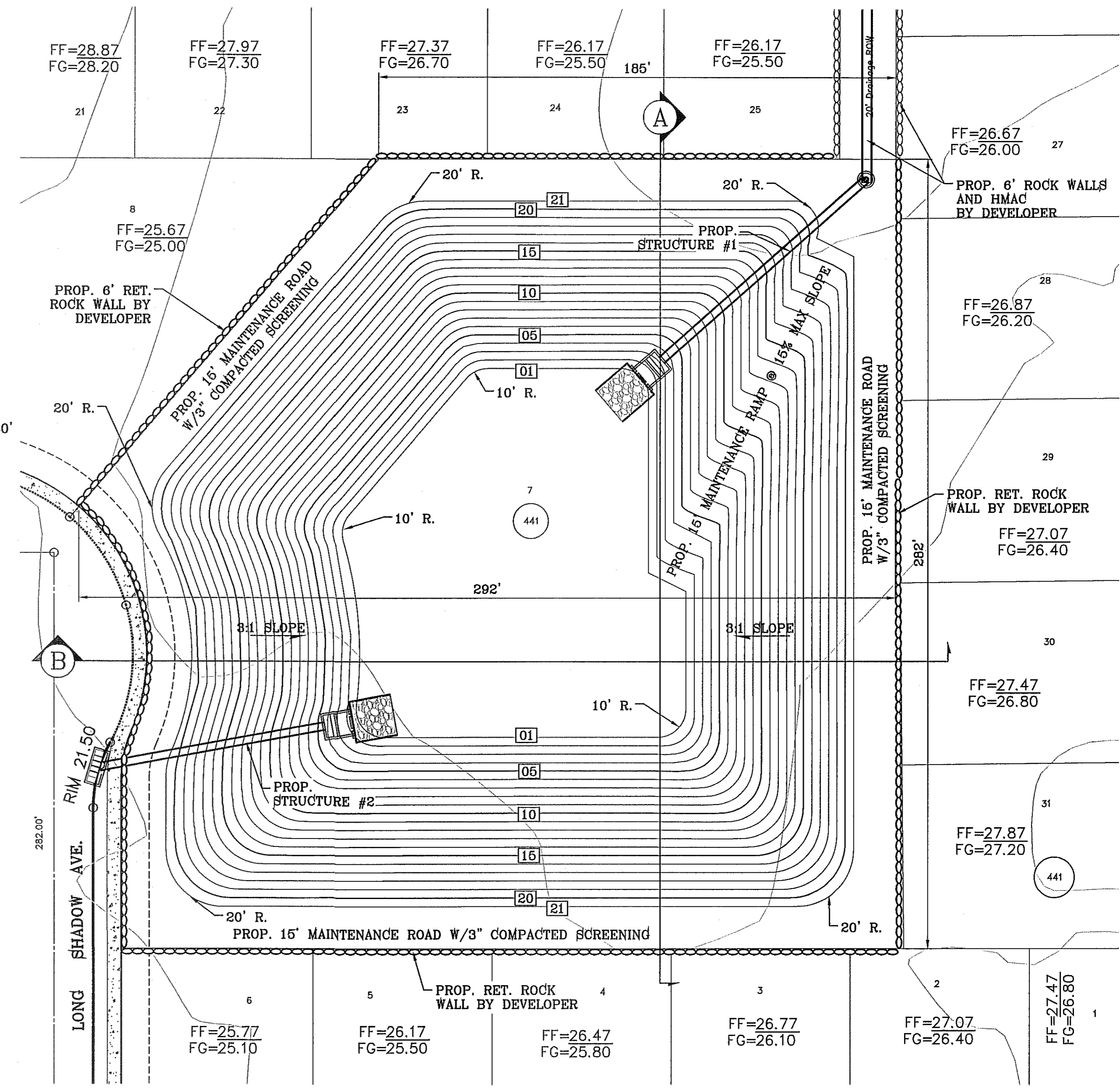
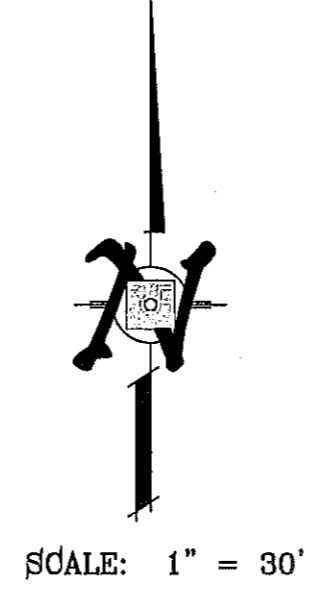
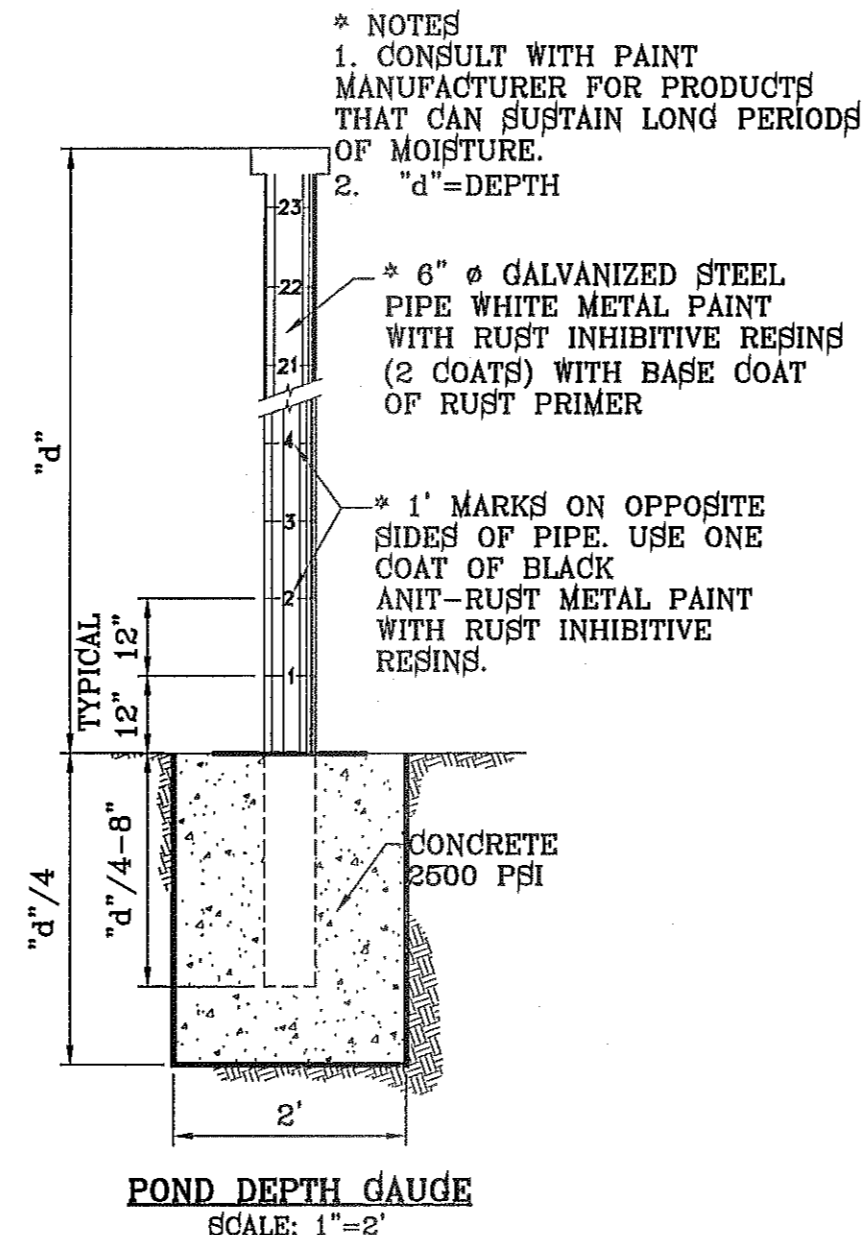
BENCHMARK
 CITY MONUMENT AT THE CENTERLINE INTERSECTION OF
 RALPH SEITSINGER DR. AND GALICENO PL.
 ELEVATION 4025.63

REVISIONS
 NAVD83 DATUM

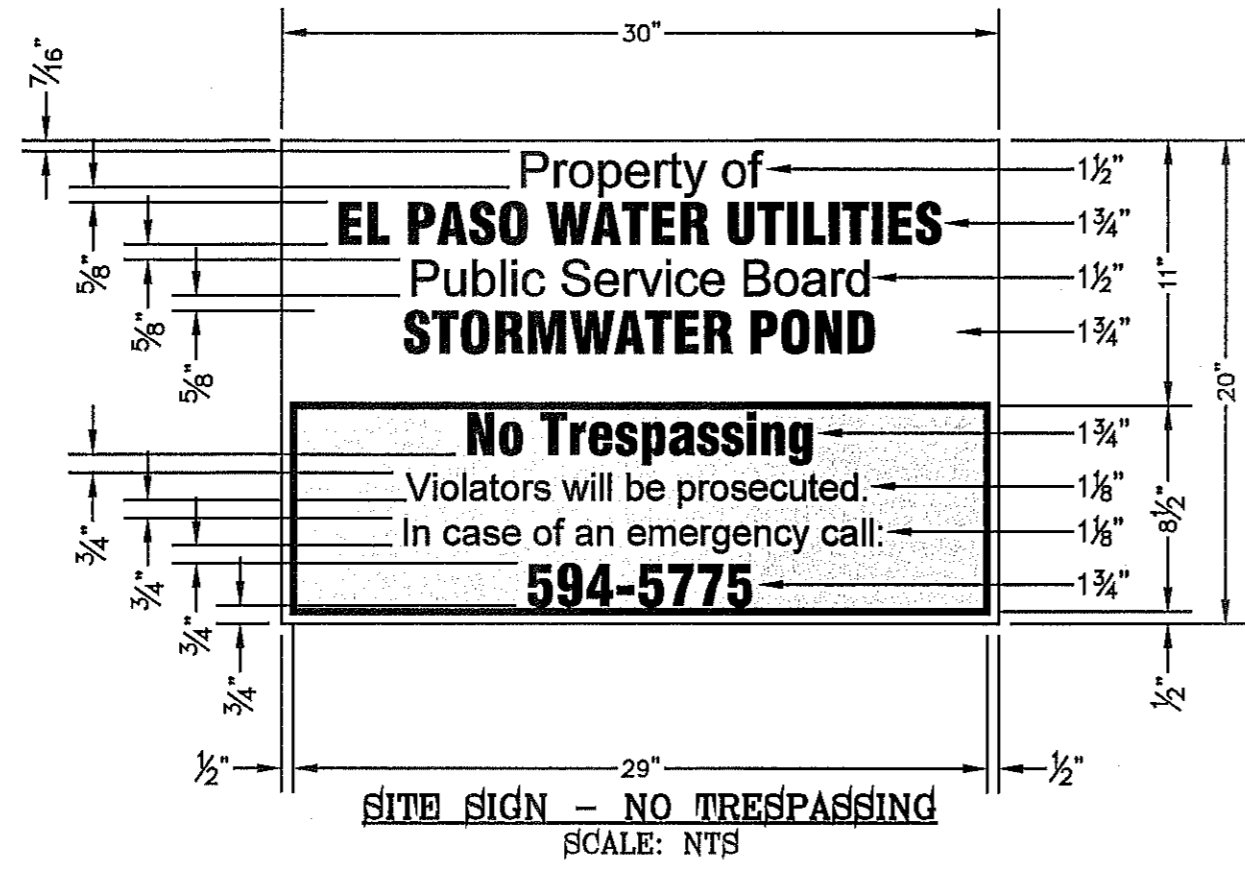
FILE LOCATION: E:\Subdivisions\TDE 76.DWG POND PLOTTED ON Tuesday, September 23, 2014 8:49:04 AM BY RUBEN RIVERA.

ELEVATION FT	AREA SQ-FT	CONIC VOL. AC-FT	VOLUME CAP. AC-FT
4021	57151	1.28	15.15
4020	54390	1.22	13.87
4019	51590	1.15	12.65
4018	48883	1.09	11.50
4017	46208	1.03	10.41
4016	43625	0.97	9.37
4015	41114	0.92	8.40
4014	38674	0.86	7.49
4013	36306	0.81	6.62
4012	34010	0.76	5.82
4011	31788	0.70	5.06
4010	29633	0.66	4.36
4009	27553	0.61	3.70
4008	25545	0.56	3.09
4007	23609	0.52	2.53
4006	21746	0.48	2.01
4005	19954	0.44	1.53
4004	18251	0.40	1.09
4003	16586	0.36	0.69
4002	15010	0.33	0.33
4001	13477	0.00	0.00

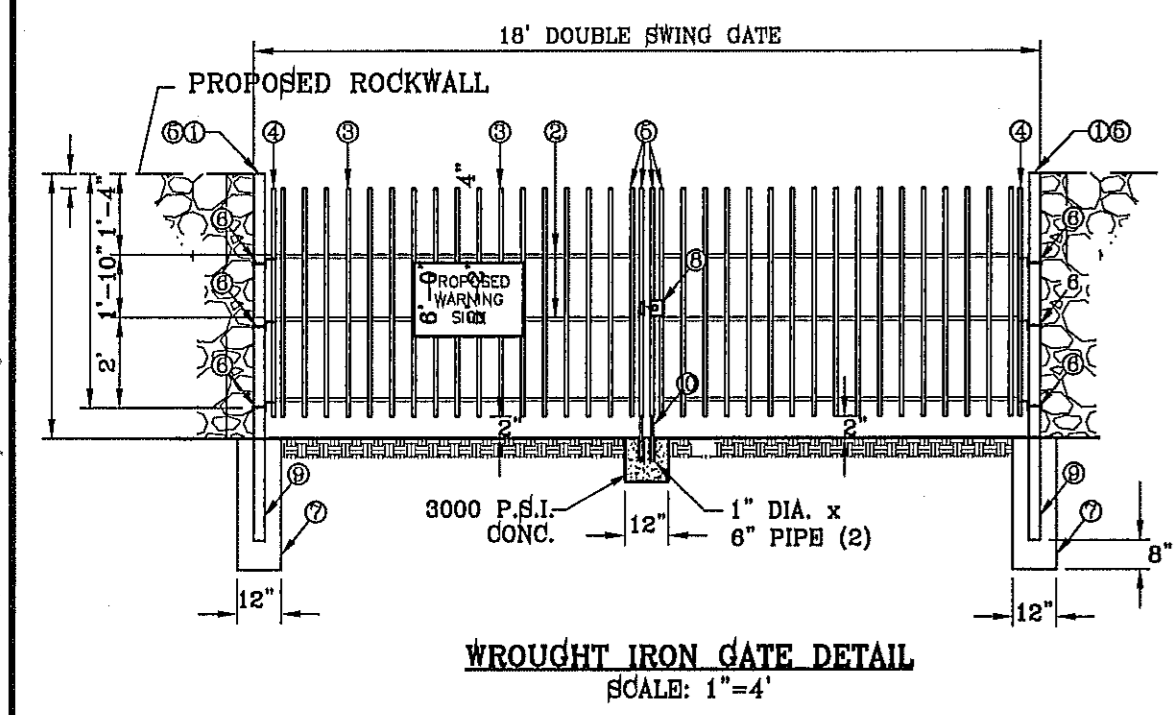
WATERSHED-POND-B 2:1 SLOPE		
$QT = \frac{A R C}{12} = AC-FT$		
QT = Cubic Feet Per Second A = 100% of Contributing Watershed Area in Acres R = Rainfall in Inches C = Runoff Factor		
POND CALC. $QT=ARC/12$ A=TOTAL RUNOFF IN AC/FT.(100%) R=RAINFALL IN INCHES C=RUNOFF FACTOR		
PROP. TDE-76	$\frac{35.59(4)0.60}{12}$	= 7.12 ac-ft AND POND
FUTURE DEVELOPMENT	$\frac{5.14(4)0.95}{12}$	= 1.63 ac-ft
TOTAL = 8.75 ac-ft SILT & DEBRIS 0.49		
Qreq (TOTAL) = 9.24 Qcap (TOTAL) = 15.15		
100 YEAR HW ELEVATION = 4015.64 100 YEAR PONDED DEPTH = 4015.87		



- GENERAL NOTES:
- SIGN MATERIAL TO BE 16 GAUGE GALVANIZED SHEET METAL.
 - TOP PART OF SIGN SHALL SHOW BLACK LETTERS ON A WHITE BACKGROUND.
 - BOTTOM PART OF SIGN SHALL SHOW WHITE LETTERS ON A BLACK BACKGROUND.

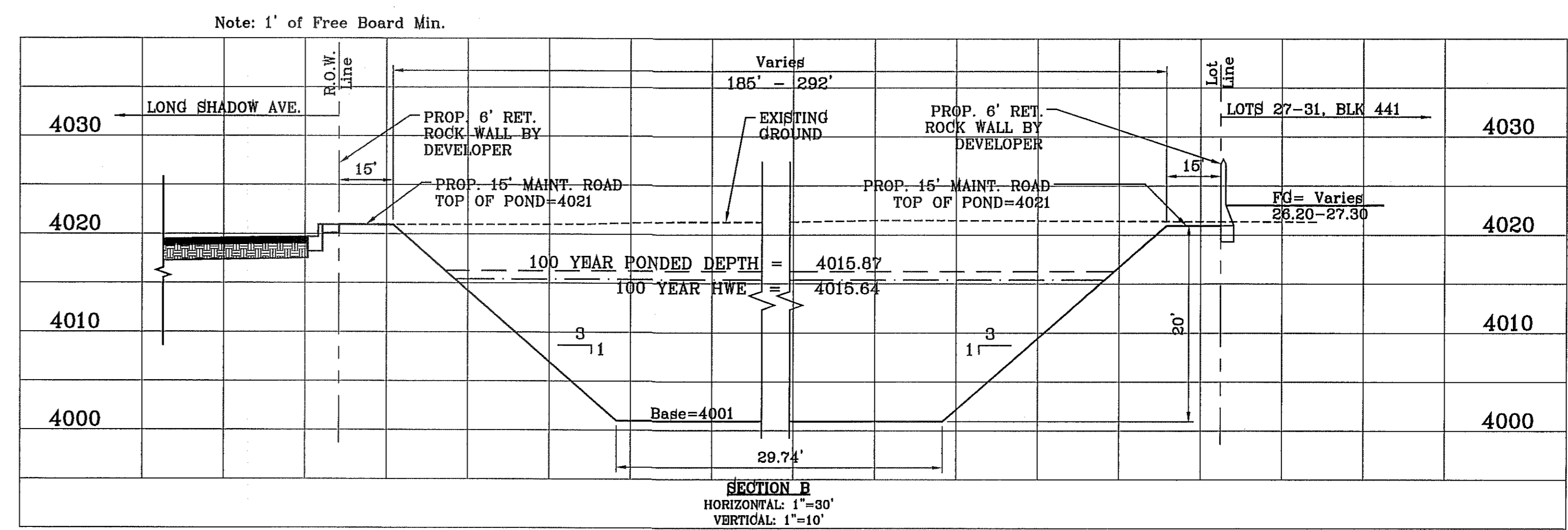
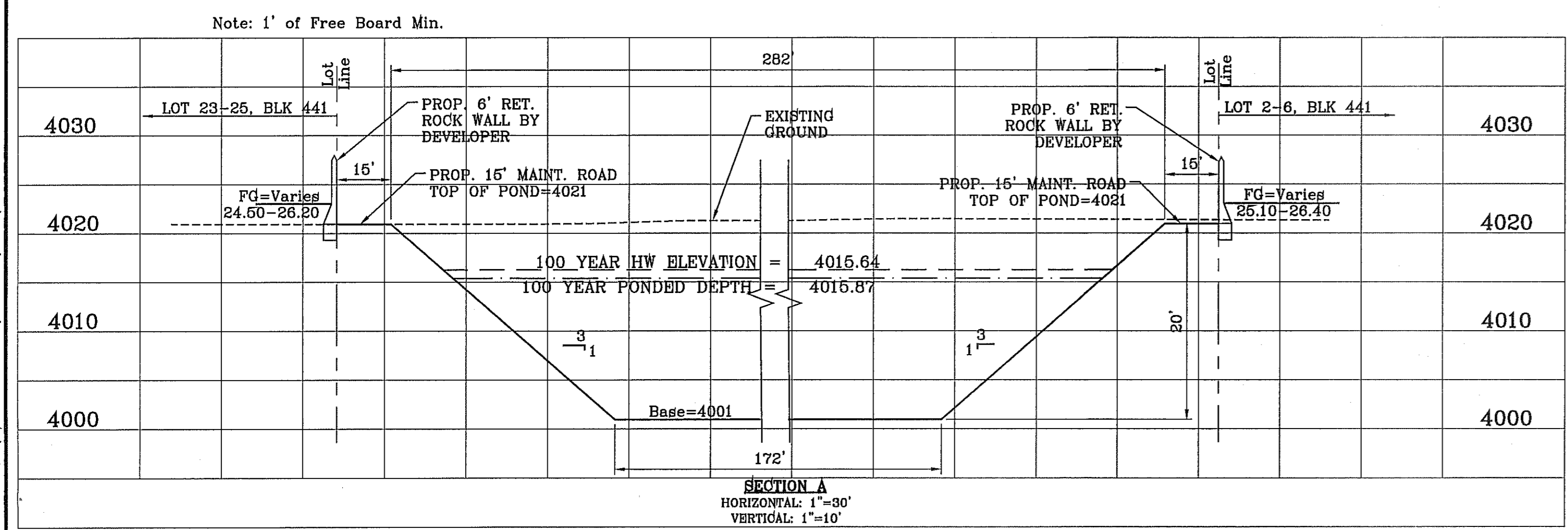


- 3"x3"x3/16" SQUARE STEEL TUBING
- 2"x1"x1/4 GA. RECTANGULAR STEEL TUBING
- 1 1/2"x1/2"x1/8 GA. RECTANGULAR STEEL TUBING
- 2"x1"x1/8 GA. RECTANGULAR STEEL TUBING
- FLAT TOP POLYVINYL CAP
- BOLT HOOK AND STRAP HINGE
- 1"x3' DEEP 3000 PSI CONCRETE POST FOOTING
- DOUBLE GATE HEAVY DUTY INDUSTRIAL LATCH W/PAD LOCK
- 6"x5"x3/8" SQUARE STEEL SLEEVE W/7"x7"x3/8" STEEL BASE PLATE
- CANE BOLT LATCH W/KEEPER 5-8" x16" LONG (2 REQUIRED)



ON SITE PONDING specs:

PONDS SHALL HAVE BORINGS TESTS PERFORMED TO A DEPTH OF FIVE FEET BELOW THE BASIN INVERT. THE BOTTOM OF THE BASIN SHALL BE A MINIMUM OF 24 INCHES ABOVE THE HIGH WATER TABLE. PERCOLATION TESTS SHALL BE PERFORMED ONCE THE BASIN HAS BEEN EXCAVATED TO CONFORM TO ASTM-6126 TO ASSURE ADEQUATE PERCOLATION RATES. STORMWATER WITHIN THE BASIN SHALL PERCOLATE WITHIN 72 HOURS. A GEOTECHNICAL INVESTIGATION PERFORMED BY A LICENSED PROFESSIONAL GEOTECHNICAL ENGINEER SHALL BE SUBMITTED IN ORDER TO CONFIRM THE SUBSURFACE SOIL PROFILE AND PERCOLATION TEST RESULTS.



BENCHMARK
CITY MONUMENT AT THE CENTERLINE INTERSECTION OF RALPH SEITZINGER DR. AND GALICENO PL. ELEVATION 4025.63
DATE 03/05/14
REVISIONS 9/15/14

PROJECT NAME
TIERRA DEL ESTE UNIT 76
BEING PORTION OF SECTION 18, BLOCK 76, AND BLOCK 78, TOWNSHIP 2, TEXAS AND PACIFIC RAILWAY CO. SURVEYS, CITY OF EL PASO, EL PASO COUNTY, TEXAS
CONTAINING: 86.09± ACRES

SCALE
HORIZ: 1" = 30'
VERT: 1" = 10'
DATE: MAY 2013
DESIGN BY: Y.C.
INITIATED BY: R.R.
CHECKED BY: Y.C.
JOB NO.: 119-36

ENGINEER'S SEAL
CONDE INC.
ENGINEERING / PLANNING
SURVEYING / GPS
6080 SURETY DR. STE 100
EL PASO, TEXAS 79905
PHONE: (915) 592-0283
FAX: (915) 592-0286

SHEET TITLE
PROPOSED POND WITH SECTIONS

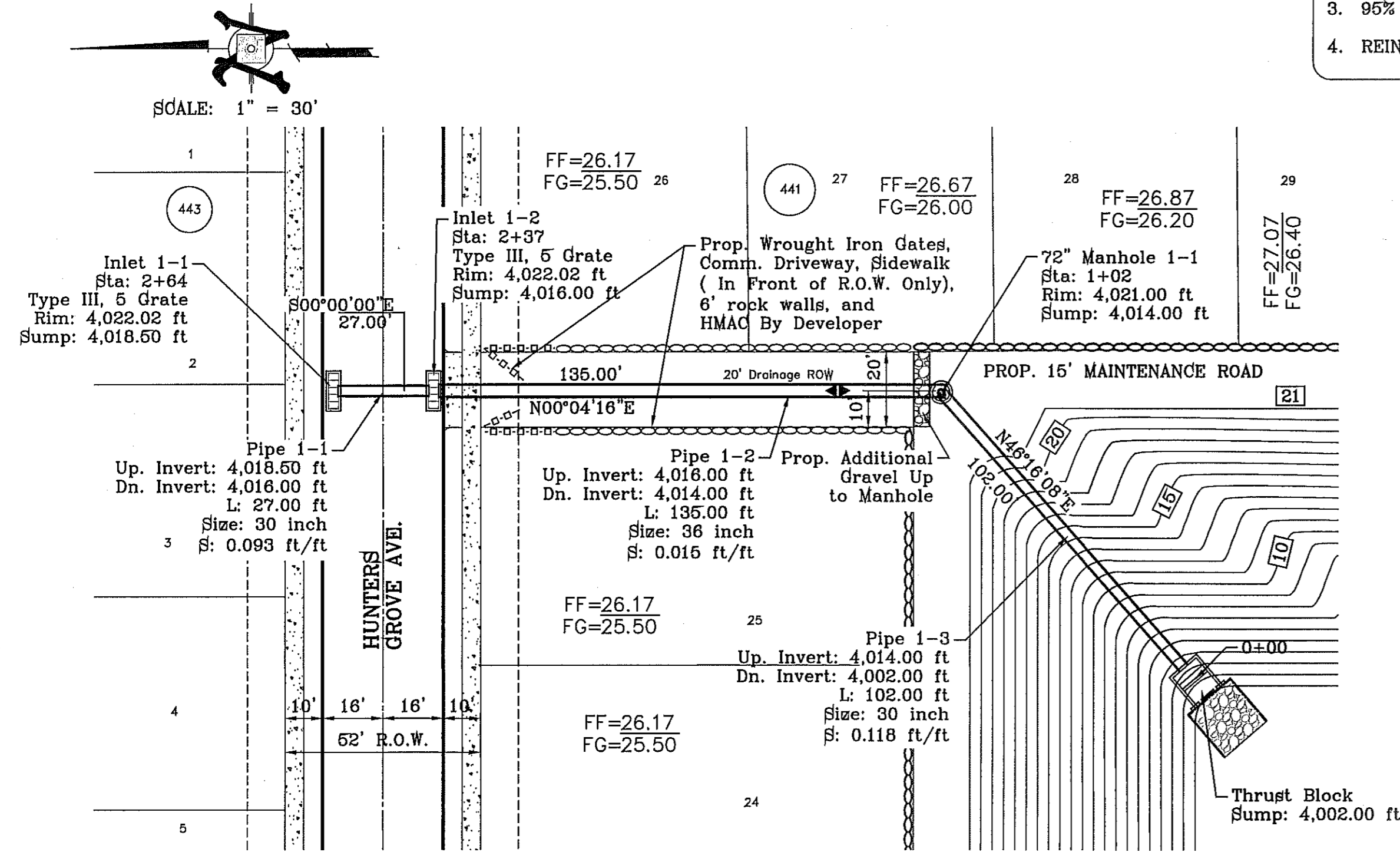
SHT 50 OF 72

FILE LOCATION: \\Subdivisions\TDE 76\DWG\STRUCTURE 2 PLOTTED ON Tuesday, September 23, 2014 8:49:14 AM BY RUBEN RIVERA

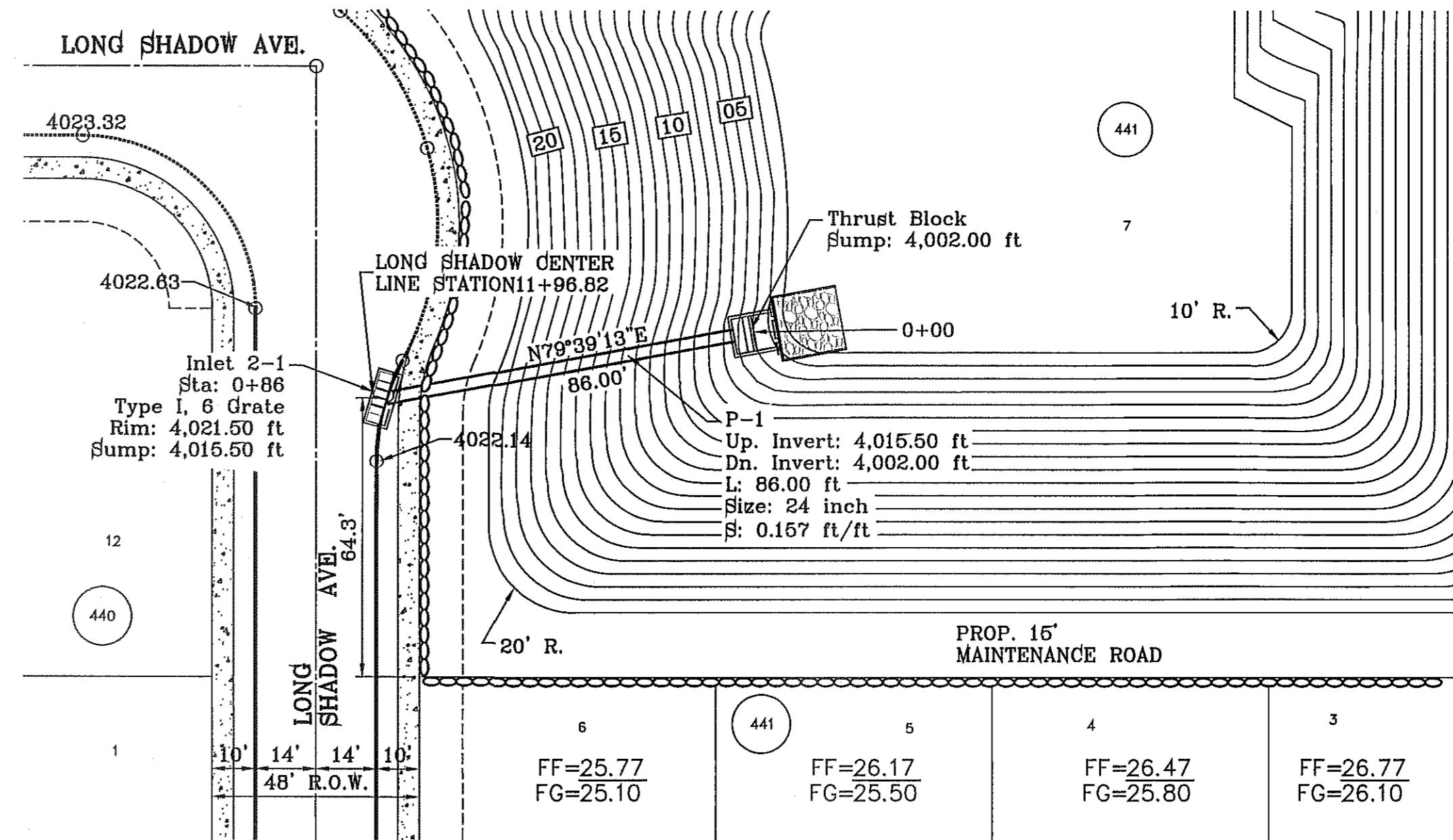
CONSTRUCTION NOTES:

1. ALL CONCRETE FOR STRUCTURES SHALL BE 3000 PSI. UNLESS OTHERWISE NOTED.
2. MINIMUM COVER FOR REINFORCING STEEL SHALL BE 2" UNLESS OTHERWISE NOTED.
3. 95% COMPACTION REQUIRED FOR STRUCTURES AS PER ASTM D1557.
4. REINFORCING SHALL CONFORM TO THE REQUIREMENTS OF ASTM A615 GRADE 60.

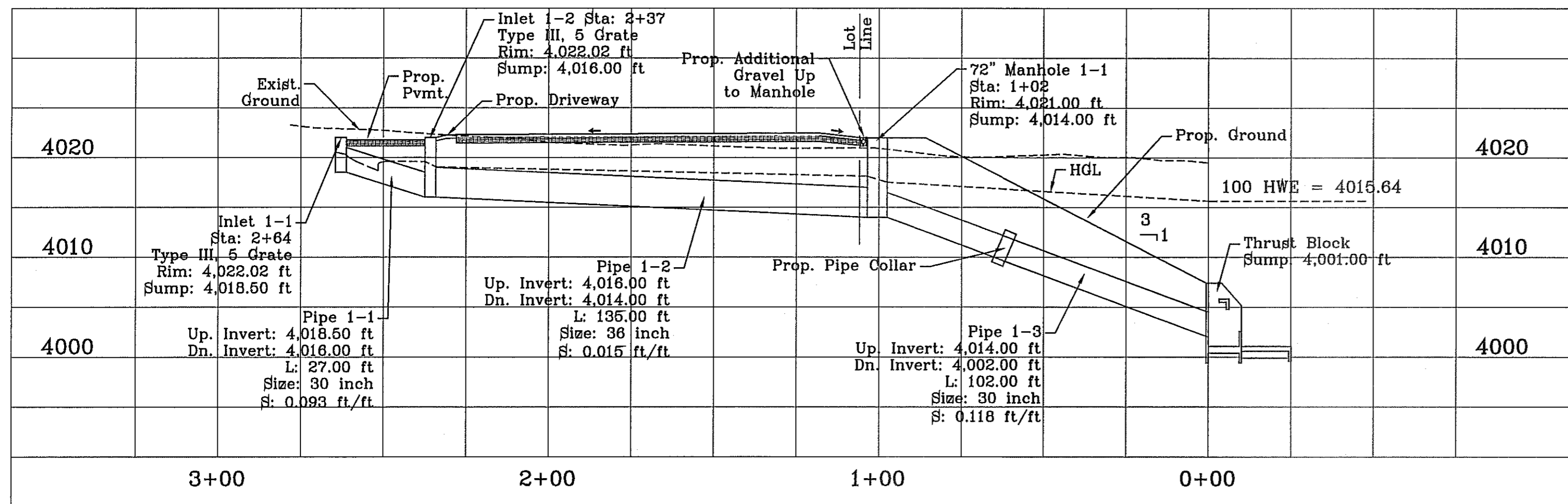
ALL R.C.P. ARE CLASS III UNLESS OTHERWISE NOTED



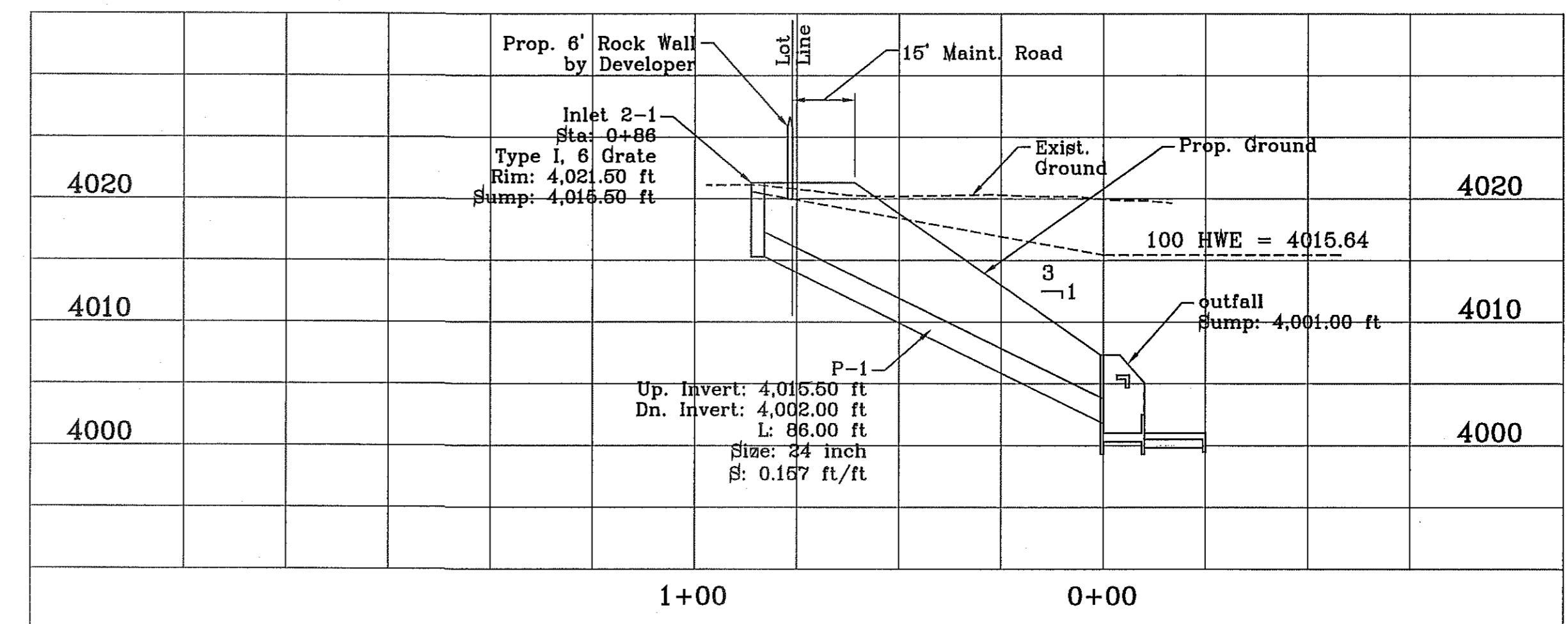
STRUCTURE #1 PLAN VIEW
SCALE 1" = 30'



STRUCTURE #2 PLAN VIEW
SCALE 1" = 30'



STRUCTURE #1 PROFILE VIEW
SCALE 1" = 30'



STRUCTURE #2 PROFILE VIEW
SCALE 1" = 30'

R.C.P. PIPE DATA (100 Year Storm Calcs.)

PIPE	SECTION SIZE (in)	LENGTH (ft)	SLOPE (ft/ft)	DISCHARGE (cfs)	CAPACITY (cfs)	AVERAGE VELOCITY (fps)	DOWN STREAM GROUND	DOWN STREAM HGL	DOWN STREAM INVERT	UPSTREAM GROUND	UPSTREAM HGL	UPSTREAM INVERT
1-1	30	27.00	0.093	27.83	124.80	6.51	4022.02	4019.56	4016.00	4022.02	4020.30	4018.50
1-2	36	135.00	0.015	55.66	81.18	7.87	4022.00	4018.12	4014.00	4022.02	4019.06	4016.00
1-3	30	102.00	0.118	55.66	140.68	11.34	4021.00	4015.64	4002.00	4022.00	4017.52	4014.00

STRUCTURE #1 INLET DATA

INLET No.	INLET TYPE	No. GRATES	Qd ₅₀ yr. cfs	Qd ₁₀₀ yr. cfs	Qc cfs
1-1	III	5	20.19	24.43	38.60
1-2	III	5	20.19	24.43	38.60

CLOGGING FACTOR = 2/3

R.C.P. PIPE DATA (100 Year Storm Calcs.)

PIPE	SECTION SIZE (in)	LENGTH (ft)	SLOPE (ft/ft)	DISCHARGE (cfs)	CAPACITY (cfs)	AVERAGE VELOCITY (fps)	DOWN STREAM GROUND	DOWN STREAM HGL	DOWN STREAM INVERT	UPSTREAM GROUND	UPSTREAM HGL	UPSTREAM INVERT
2-1	24	86.00	0.157	54.18	89.63	17.25	4021.00	4015.64	4002.00	4021.50	4020.57	4015.50

STRUCTURE #2 INLET DATA

INLET No.	INLET TYPE	No. GRATES	Qd ₅₀ yr. cfs	Qd ₁₀₀ yr. cfs	Qc cfs
2-1	I	6	44.79	54.18	85.04

CLOGGING FACTOR = 2/3



BENCHMARK

CITY MONUMENT AT THE CENTERLINE INTERSECTION OF RALPH SEITZINGER DR. AND GALICENO PL. ELEVATION 4025.83

DATE: 03/05/14

REVISIONS: 9-15-14

BY: R.R.

REVISIONS TO LOTS ON BLOCKS 438-442

PROJECT NAME: TIERRA DEL ESTE UNIT 76

BEING PORTION OF SECTION 18, BLOCK 78, AND PORTION OF SECTIONS 37, AND 48, AND BLOCK 79, TOWNSHIP 2, TEXAS AND PACIFIC RAILWAY CO. SURVEYS, CITY OF EL PASO, EL PASO COUNTY, TEXAS CONTAINING: 86.09± ACRES

SCALE: HORIZ: 1" = 30' VERT: 1" = 10'

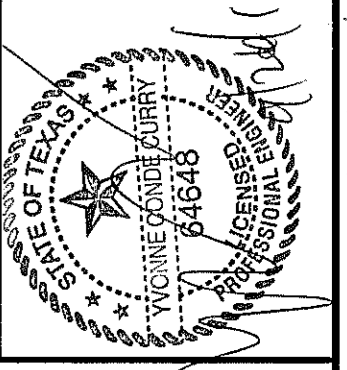
DATE: MAY 2013

DESIGN BY: Y.C.

INITIATED BY: Y.C.

CHECKED BY: Y.C.

JOB NO.: 113-96

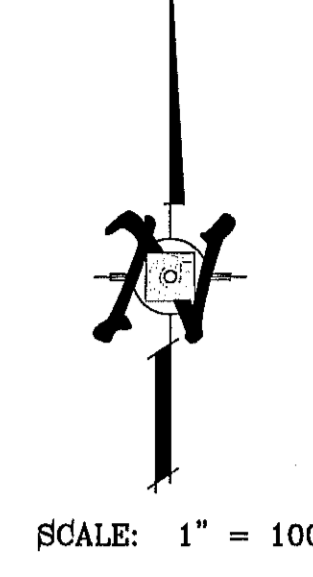


CONDE INC. ENGINEERING / PLANNING SURVEYING / GPS 6000 SURVEYING DR. SUITE 100 EL PASO, TEXAS 79905 PHONE: (915) 592-0283 FAX: (915) 592-0286



SHEET TITLE: PROPOSED STRUCTURES #1 and #2

FILE LOCATION S:\Subdivisions\TDE 76\DWG\WATER DISTRIBUTION PLOTTED ON Tuesday, September 23, 2014 8:49:27 AM BY RUBEN RIVERA



STREET NAMES	INSTALL	CLASS
WILLIE CAGER PL.	INSTALL 362 FEET OF 8" P.V.C. PIPE	(CLASS 235)
DAVID PALACIO ST.	INSTALL 219 FEET OF 8" P.V.C. PIPE	(CLASS 235)
BOB BEAMON ST.	INSTALL 1612 FEET OF 8" P.V.C. PIPE	(CLASS 235)
LOUIS BAUDOUIN CT.	INSTALL 982 FEET OF 8" P.V.C. PIPE	(CLASS 235)
RALPH SEITSINGER DR.	INSTALL 1258 FEET OF 8" P.V.C. PIPE	(CLASS 235)
TIM HARDAWAY AVE.	INSTALL 1052 FEET OF 8" P.V.C. PIPE	(CLASS 235)
SUNNY LAND AVE.	INSTALL 1258 FEET OF 8" P.V.C. PIPE	(CLASS 235)
RED BANKS AVE.	INSTALL 1052 FEET OF 8" P.V.C. PIPE	(CLASS 235)
BERT CAMERON AVE.	INSTALL 1258 FEET OF 8" P.V.C. PIPE	(CLASS 235)
HUNTERS GROVE AVE.	INSTALL 1056 FEET OF 8" P.V.C. PIPE	(CLASS 235)
DAVID SHADOW AVE.	INSTALL 1392 FEET OF 8" P.V.C. PIPE	(CLASS 235)
HOLLY SPRINGS AVE.	INSTALL 1167 FEET OF 8" P.V.C. PIPE	(CLASS 235)
STUB OUT AT HOLLY SPRINGS	INSTALL 54 FEET OF 8" P.V.C. PIPE	(CLASS 235)
STUB OUT AT TIM FLOYD	INSTALL 140 FEET OF 8" P.V.C. PIPE	(CLASS 235)



BENCHMARK
CITY MONUMENT AT THE CENTERLINE INTERSECTION OF
RALPH SEITSINGER DR. AND CALICENO PL.
ELEVATION 4025.83
DATE 03/05/14
REVISIONS
BY R.R.
R.R.
ADDITION OF METERS AND STUB OUTS

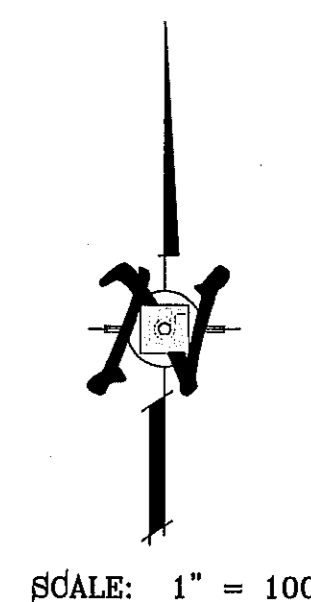
PROJECT NAME
TIERRA DEL ESTE UNIT 76
BEING PORTION OF SECTION 18, BLOCK 78,
AND PORTION OF SECTION 19, BLOCK 48,
AND BLOCK 78, TOWNSHIP 2 TEXAS
AND PACIFIC RAILWAY CO. SURVEYS
CITY OF EL PASO, EL PASO COUNTY, TEXAS
CONTAINING: 86.09± ACRES

SCALE
HORIZ: 1" = 100'
VERT: ---
DATE: MAY 2013
DESIGN BY: Y.C.
INITIATED BY: R.R.
CHECKED BY: Y.C.
JOB NO.: 119-36

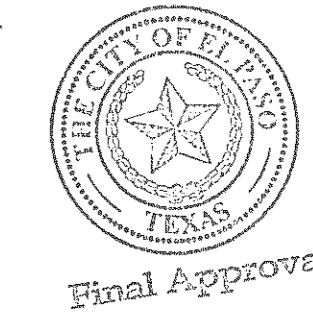
ENGINEER'S SEAL

CONDE INC.
ENGINEERING / PLANNING
SURVEYING / GPS
6080 SURETY DR. STE 100
EL PASO, TEXAS 79905
PHONE: (915) 592-0283
FAX: (915) 592-0286

SHEET TITLE
WATER DISTRIBUTION - WATER-1
SHT 52 OF 72



STREET NAMES	INSTALL	FEET OF 8" P.V.C. PIPE	(CLASS 236)
WILLIE CAGER PL.	INSTALL	362 FEET OF 8" P.V.C. PIPE	(CLASS 236)
DAVID PALACIO ST.	INSTALL	219 FEET OF 8" P.V.C. PIPE	(CLASS 236)
BOB BEAMON ST.	INSTALL	1612 FEET OF 8" P.V.C. PIPE	(CLASS 236)
LOUIS BAUDOIN CT.	INSTALL	982 FEET OF 8" P.V.C. PIPE	(CLASS 236)
RALPH SEITSINGER DR.	INSTALL	1258 FEET OF 12" P.V.C. PIPE	(CLASS 236)
TIM HARDAWAY AVE.	INSTALL	1052 FEET OF 8" P.V.C. PIPE	(CLASS 236)
SUNNY LAND AVE.	INSTALL	1258 FEET OF 8" P.V.C. PIPE	(CLASS 236)
TED BANKS AVE.	INSTALL	1052 FEET OF 8" P.V.C. PIPE	(CLASS 236)
BERT CAMERON AVE.	INSTALL	1258 FEET OF 8" P.V.C. PIPE	(CLASS 236)
HUNTERS GROVE AVE.	INSTALL	1056 FEET OF 8" P.V.C. PIPE	(CLASS 236)
LONG SHADOW AVE.	INSTALL	1392 FEET OF 8" P.V.C. PIPE	(CLASS 236)
HOLLY SPRINGS AVE.	INSTALL	1607 FEET OF 8" P.V.C. PIPE	(CLASS 236)
STUB OUT AT HOLLY SPRINGS	INSTALL	64 FEET OF 8" P.V.C. PIPE	(CLASS 236)
STUB OUT AT TIM FLOYD	INSTALL	140 FEET OF 8" P.V.C. PIPE	(CLASS 236)



ENGINEER'S SEAL:

CONDE INC.
ENGINEERING / PLANNING
SURVEYING / GPS
6090 SURETY DR. STE. 100
EL PASO, TEXAS 79905
PHONE: (915) 592-0283
FAX: (915) 592-0286

PROJECT NAME: TIERRA DEL ESTE UNIT 76
BENCHMARK: CITY MONUMENT AT THE CENTERLINE INTERSECTION OF RALPH SEITSINGER DR. AND GALICENO PL. ELEVATION 4025.83
DATE: 03/05/14
REVISIONS: POND SIZE INCREASE AND SLOPE CHANGE TO 3:1 R.R. ADDITION OF METERS AND STUB OUTS

SCALE: 1" = 100'

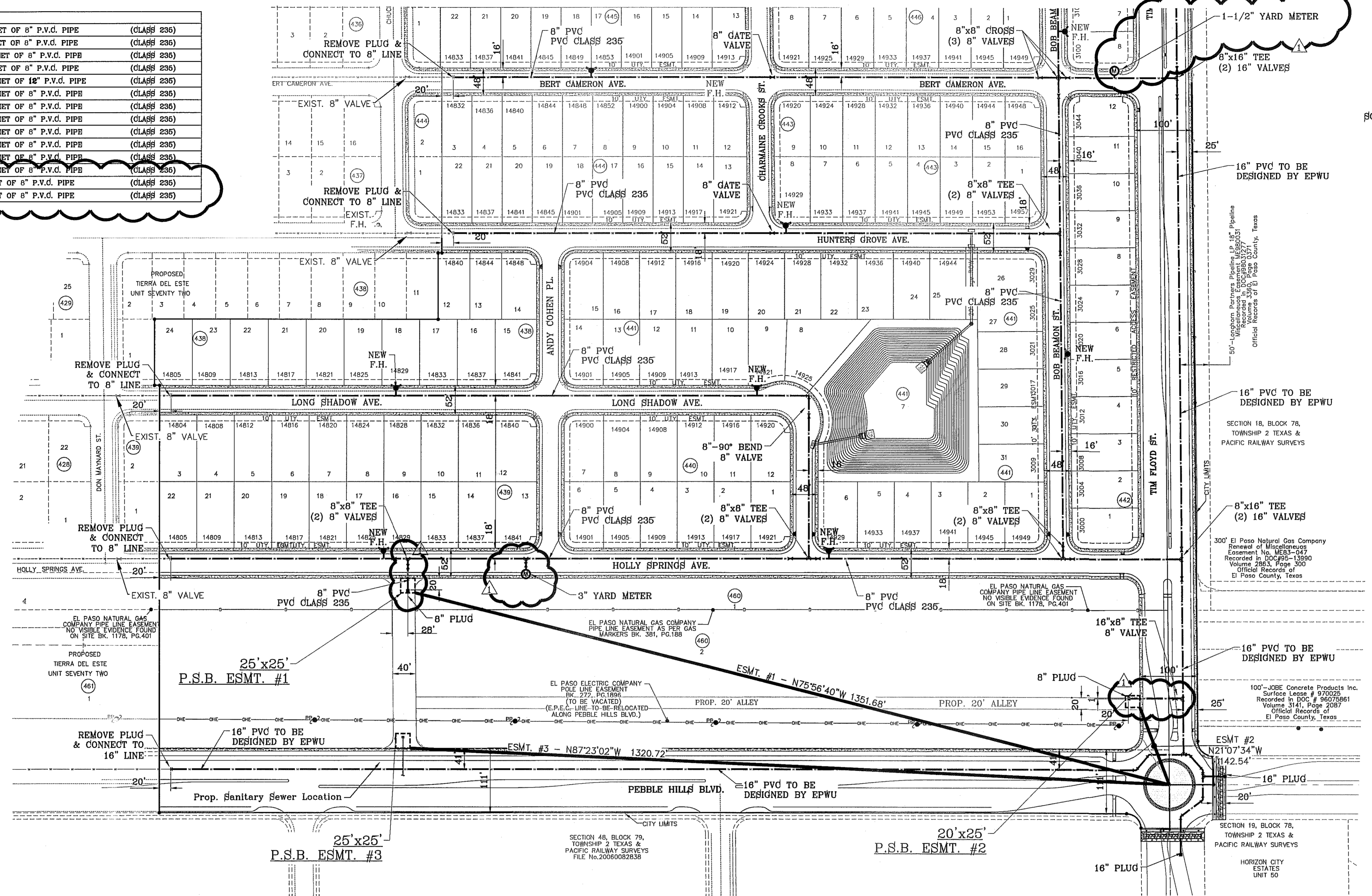
TIERRA DEL ESTE UNIT 76
BEING PORTION OF SECTION 18, BLOCK 78, AND PORTION OF SECTIONS 97 AND 48, BLOCK 79, TOWNSHIP 2, TEXAS AND PACIFIC RAILWAY CO. SURVEYS, CITY OF EL PASO, EL PASO COUNTY, TEXAS CONTAINING: 86.09± ACRES

SHEET TITLE: WATER DISTRIBUTION - WATER-2

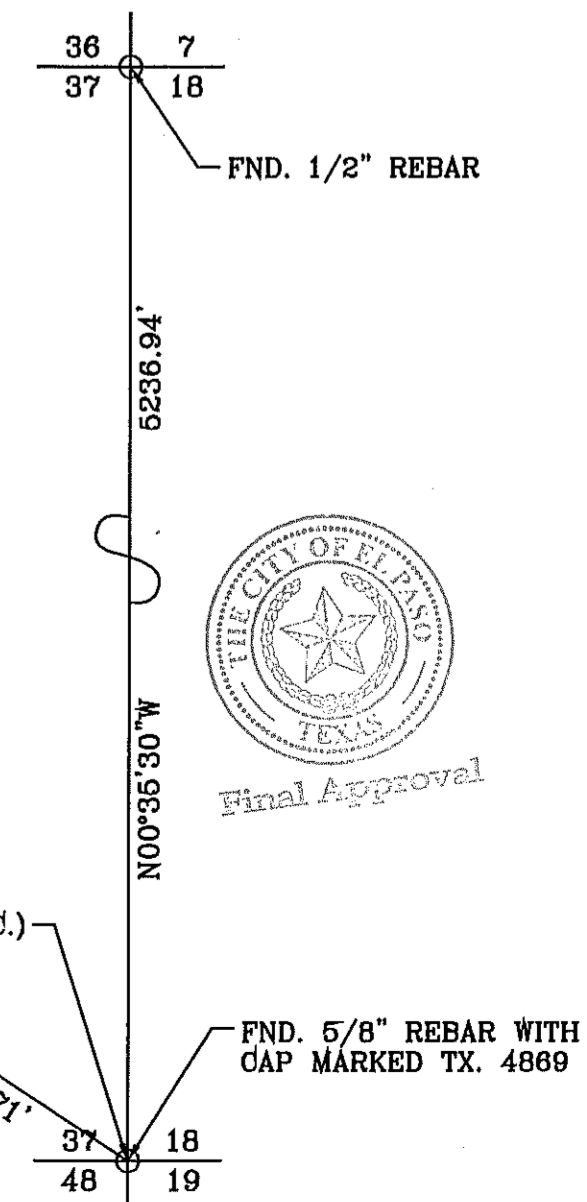
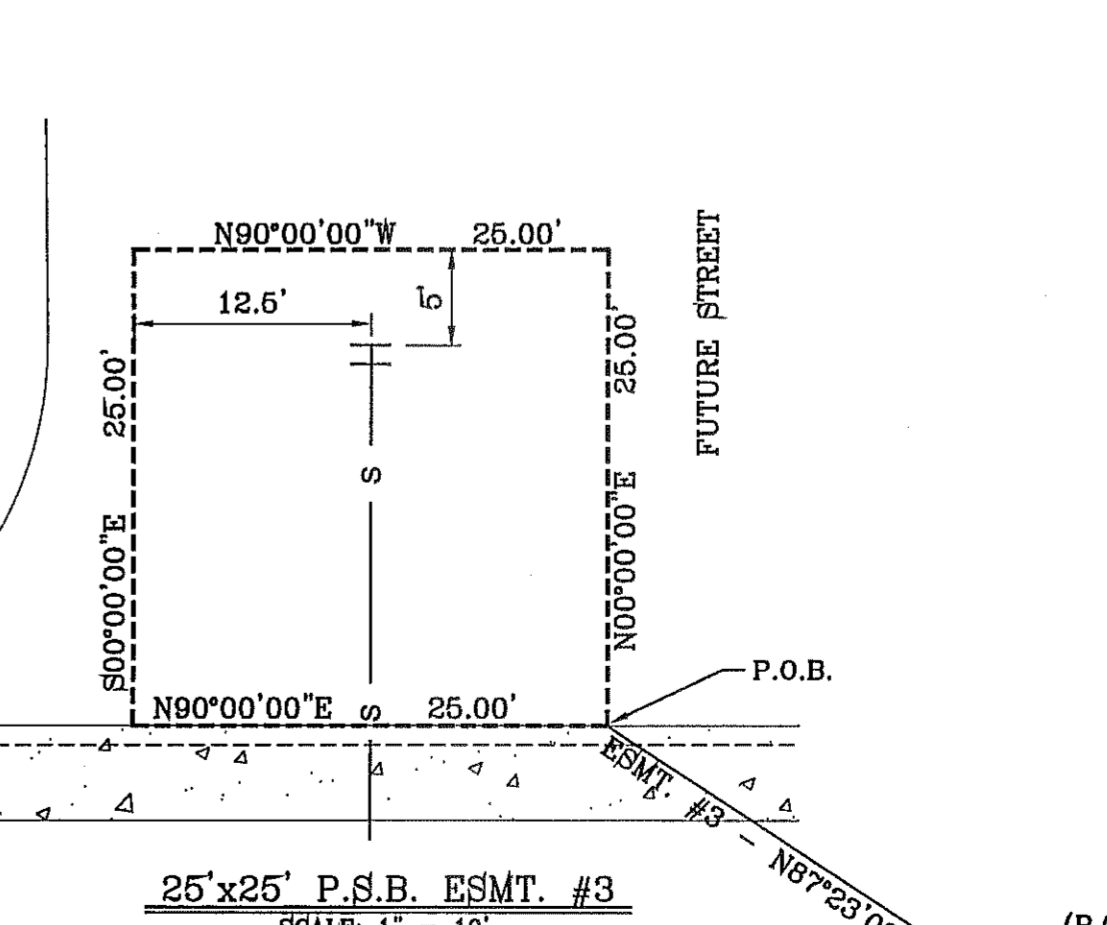
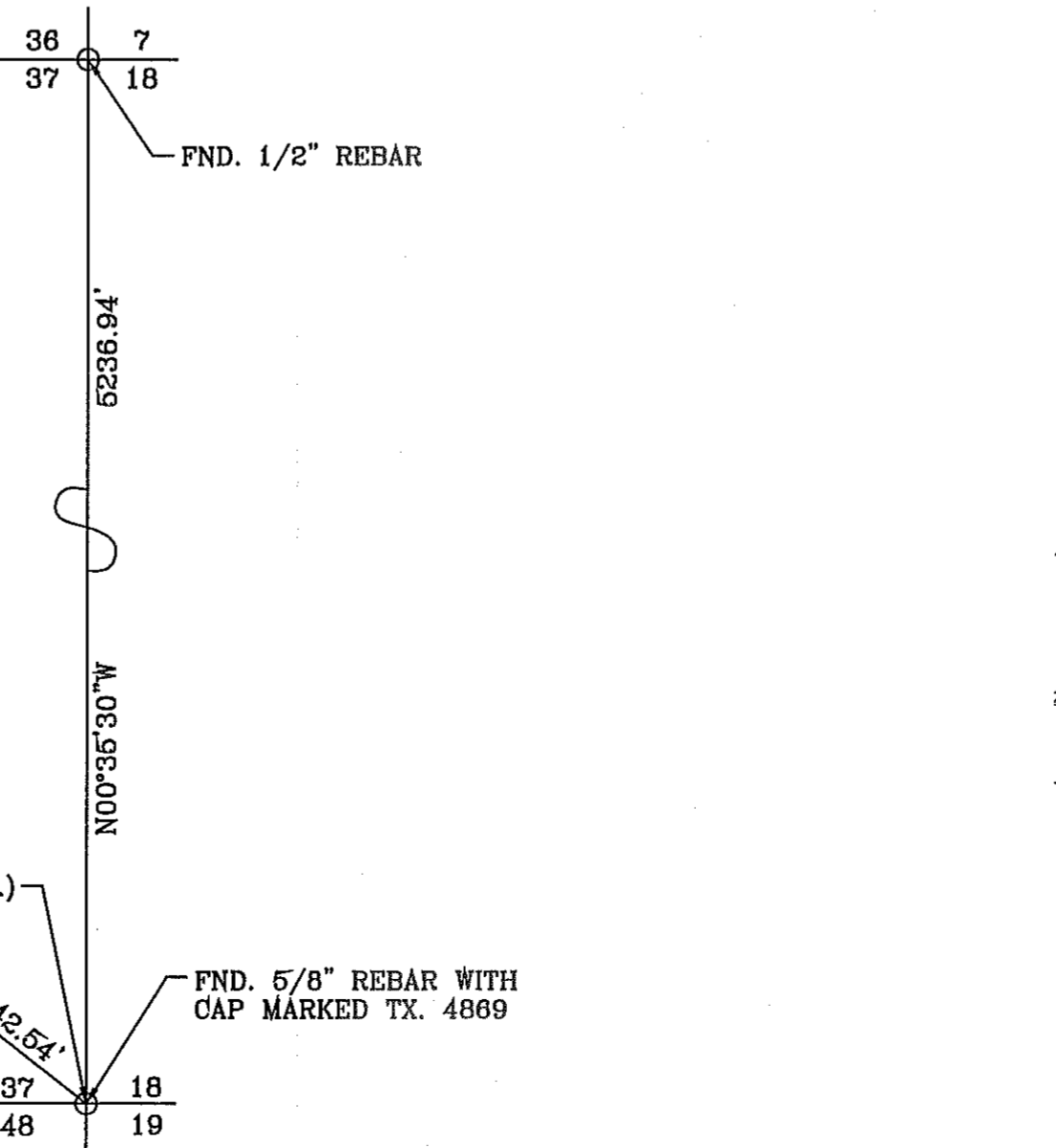
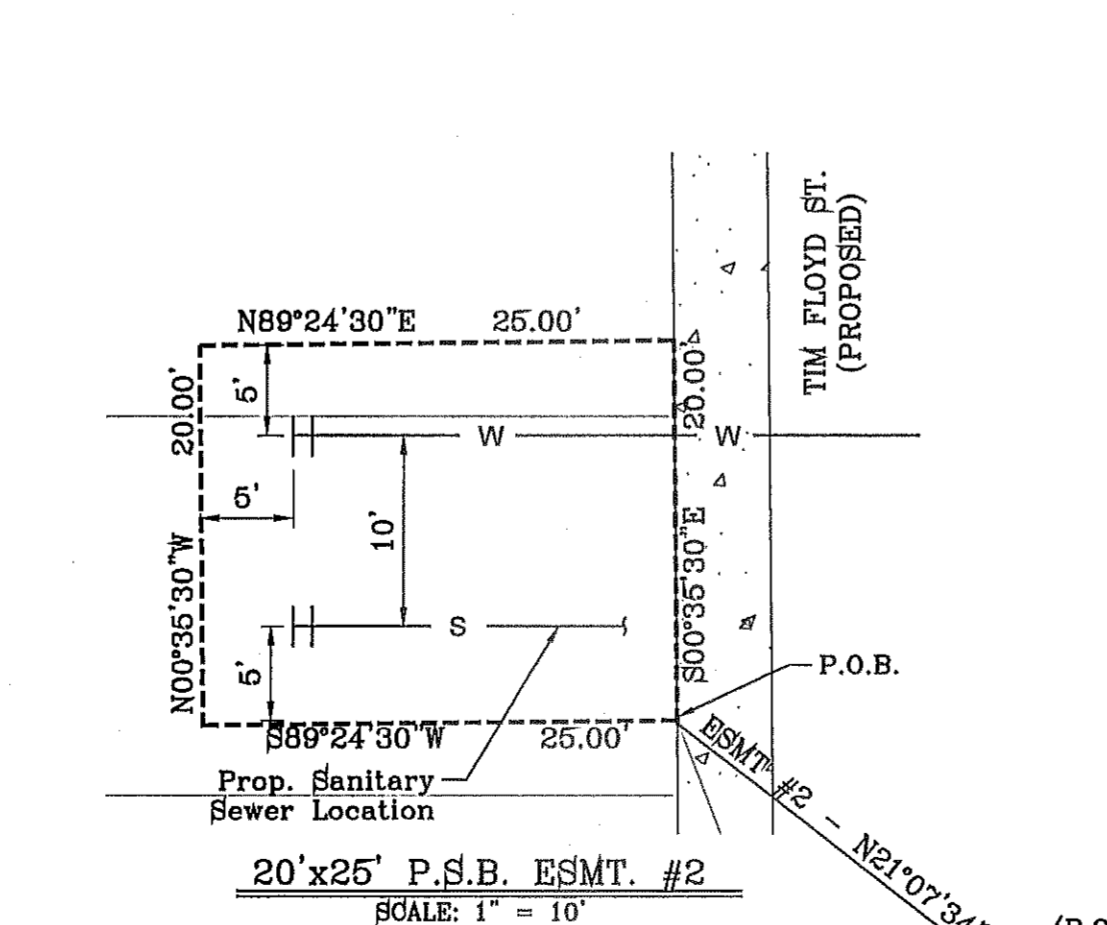
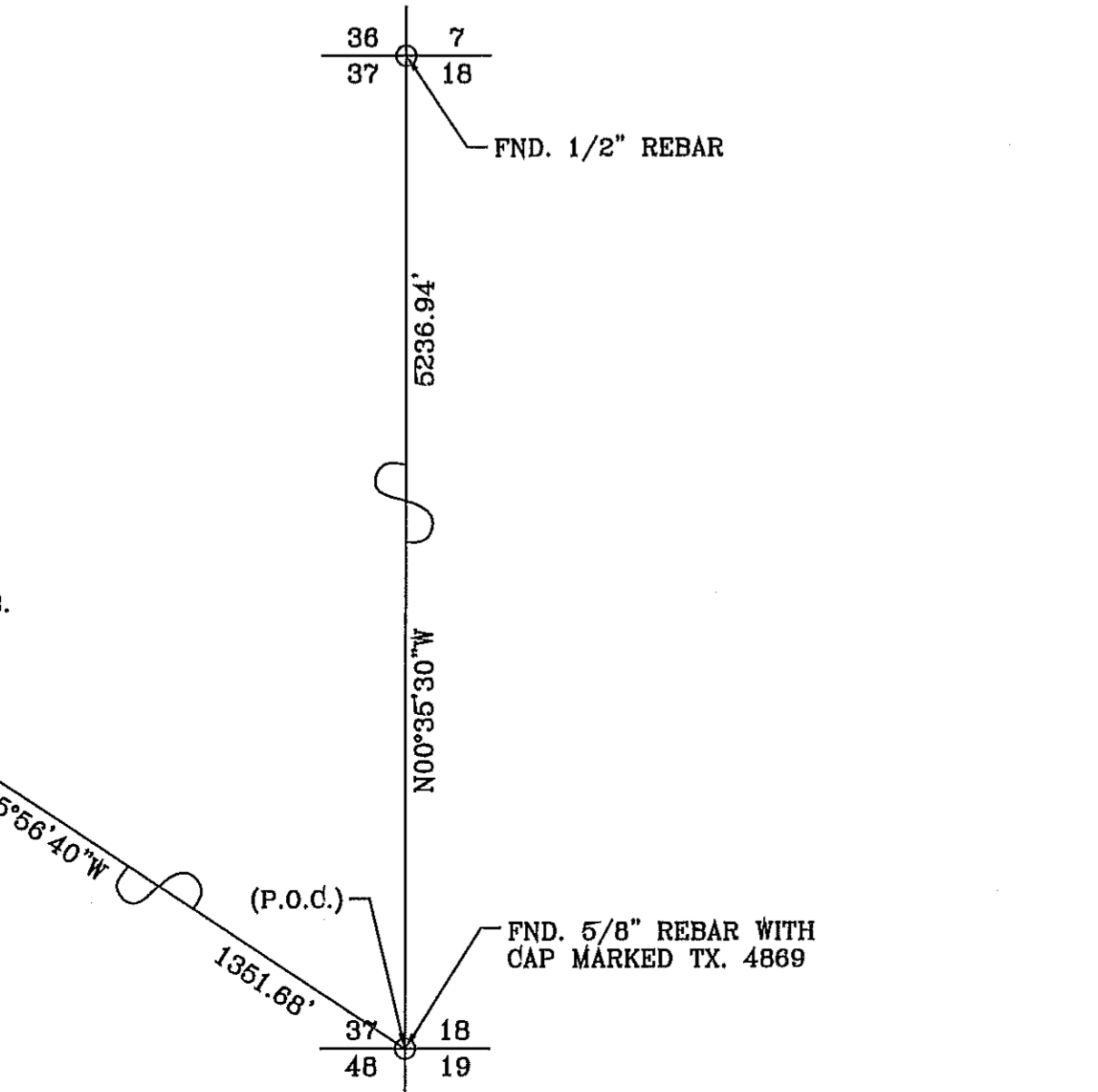
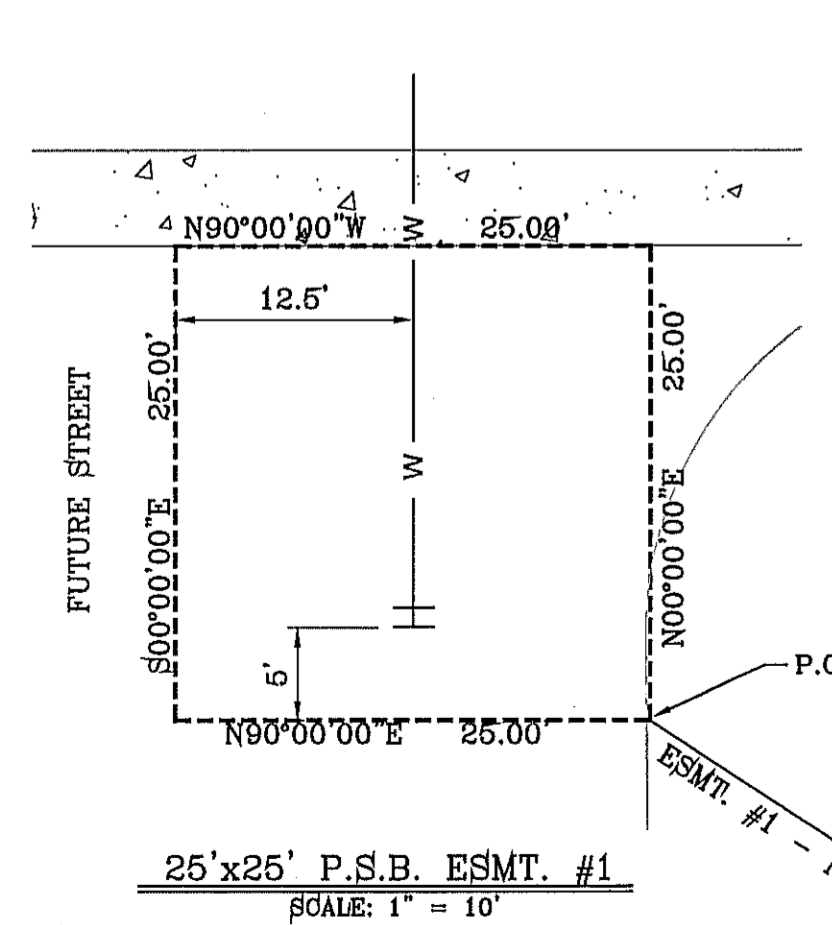
SHT 53 OF 72

FILE LOCATION: \Subdivisions\TDE 76 DWG\WATER DISTRIBUTION PLOTTED ON Tuesday, September 23, 2014 8:49:40 AM BY RUBEN RIVERA

STREET NAMES		
WILLIE CAGER PL.	INSTALL 362 FEET OF 8" P.V.C. PIPE (CLASS 236)	
DAVID PALACIO ST.	INSTALL 219 FEET OF 8" P.V.C. PIPE (CLASS 236)	
BOB BEAMON ST.	INSTALL 1612 FEET OF 8" P.V.C. PIPE (CLASS 236)	
LOUIS BAUDON ST.	INSTALL 982 FEET OF 8" P.V.C. PIPE (CLASS 236)	
RALPH SEITZINGER DR.	INSTALL 1256 FEET OF 12" P.V.C. PIPE (CLASS 236)	
TIM HARDWAY AVE.	INSTALL 1052 FEET OF 8" P.V.C. PIPE (CLASS 236)	
SUNNY LAND AVE.	INSTALL 1256 FEET OF 8" P.V.C. PIPE (CLASS 236)	
TED BANKS AVE.	INSTALL 1052 FEET OF 8" P.V.C. PIPE (CLASS 236)	
BERT CAMERON AVE.	INSTALL 1256 FEET OF 8" P.V.C. PIPE (CLASS 236)	
HUNTERS GROVE AVE.	INSTALL 1055 FEET OF 8" P.V.C. PIPE (CLASS 236)	
LONG SHADOW AVE.	INSTALL 1392 FEET OF 8" P.V.C. PIPE (CLASS 236)	
HOLLY SPRINGS AVE.	INSTALL 1767 FEET OF 8" P.V.C. PIPE (CLASS 236)	
STUB OUT AT HOLLY SPRINGS	INSTALL 54 FEET OF 8" P.V.C. PIPE (CLASS 236)	
STUB OUT AT TIM FLOYD	INSTALL 92 FEET OF 8" P.V.C. PIPE (CLASS 236)	



SCALE: 1" = 100'



DATE	REVISIONS	BY
03/05/14	POND SIZE INCREASE AND SLOPE CHANGE TO 3:1	R.R.
05/21/14	ADDITION OF METERS AND STUB OUTS	R.R.
7/25/14	ADDITION OF EASEMENTS FOR STUB OUTS	R.R.
9/15/14	REVISED LOTS ON BKS 438-442	R.R.

TERRA DEL ESTE UNIT 76
 BEING PORTION OF SECTION 18, BLOCK 78, AND BLOCK 79, TOWNSHIP 2 TEXAS AND PACIFIC RAILWAY CO. SURVEYS, CITY OF EL PASO, EL PASO COUNTY, TEXAS CONTAINING: 86.09+ ACRES

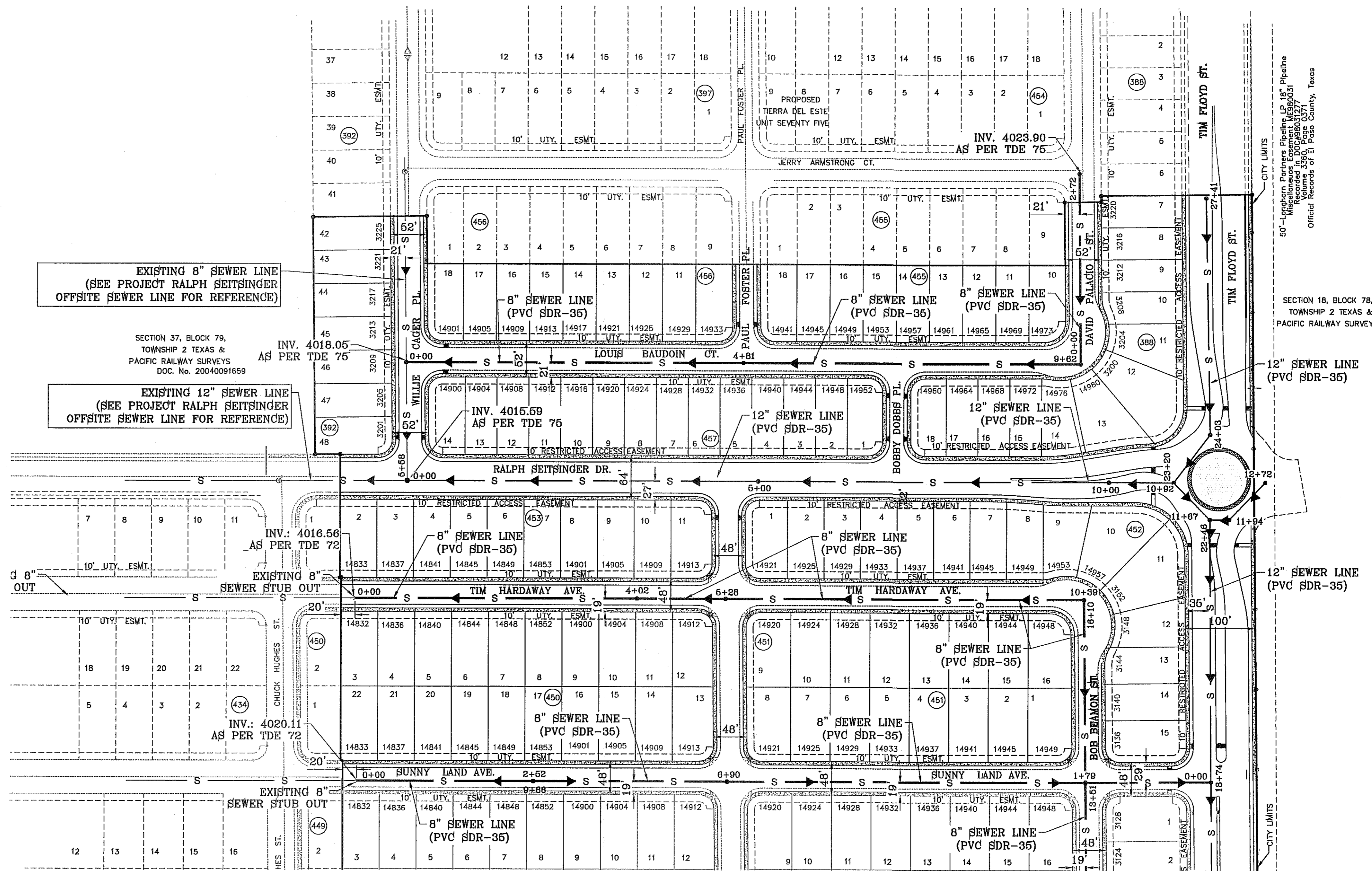
ENGINEER'S SEAL:
 CONDE INC.
 ENGINEERING / PLANNING / SURVEYING / GPS
 6080 SURETY DR. STE 100
 EL PASO, TEXAS 79905
 PHONE: (915) 592-0283
 FAX: (915) 592-0286

CONDE INC.
 ENGINEERING / PLANNING / SURVEYING / GPS
 6080 SURETY DR. STE 100
 EL PASO, TEXAS 79905
 PHONE: (915) 592-0283
 FAX: (915) 592-0286

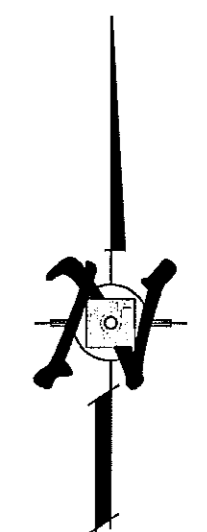
WATER DISTRIBUTION - WATER-3

SHT 54 OF 72

FILE LOCATION s:_Subdivisions\TDE 76\DWG\SEWER DISTRIBUTION PLOTTED ON Tuesday, September 23, 2014 8:49:58 AM BY RUBEN RIVERA



SCALE: 1" = 100'



EXISTING 8" SEWER LINE
(SEE PROJECT RALPH SEITSINGER
OFFSITE SEWER LINE FOR REFERENCE)

EXISTING 12" SEWER LINE
(SEE PROJECT RALPH SEITSINGER
OFFSITE SEWER LINE FOR REFERENCE)

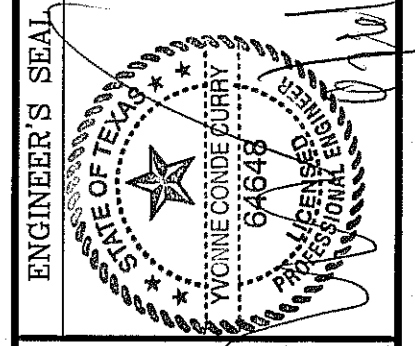
SECTION 37, BLOCK 79,
TOWNSHIP 2 TEXAS &
PACIFIC RAILWAY SURVEYS
DOC. NO. 20040091659

SECTION 18, BLOCK 78,
TOWNSHIP 2 TEXAS &
PACIFIC RAILWAY SURVEYS

STREET NAME	PIPE LENGTH, PIPE SIZE, AND TYPE	PROFILE SHEET
LOUIS BAUDOIN CT.	INSTALL 982' OF 8" PVC SDR-35	SHEET 61
DAVID PALACIO ST.	INSTALL 272' OF 8" PVC SDR-35	SHEET 60
RALPH SEITSINGER DR.	INSTALL 1197' OF 12" PVC SDR-35	SHEET 61
PEBBLE HILLS BLVD.	INSTALL 1847' OF 15" PVC SDR-35	SHEET 68
TIM FLOYD ST.	INSTALL 2866' OF 12" PVC SDR-35	SHEET 59
TIM HARDWAY AVE.	INSTALL 1039' OF 8" PVC SDR-35	SHEET 59
SUNNY LAND AVE.	INSTALL 1218' OF 8" PVC SDR-35	SHEET 59
TED BANKS AVE.	INSTALL 1039' OF 8" PVC SDR-35	SHEET 59
BERT CAMERON AVE.	INSTALL 1218' OF 8" PVC SDR-35	SHEET 59
HUNTERS GROVE AVE.	INSTALL 1042' OF 8" PVC SDR-35	SHEET 59
LONG SHADOW AVE.	INSTALL 1377' OF 8" PVC SDR-35	SHEET 60
HOLLY SPRING AVE.	INSTALL 1744' OF 8" PVC SDR-35	SHEET 60
BOB BEAMONT ST.	INSTALL 1610' OF 8" PVC SDR-35	SHEET 59
STUB OUT PEBBLE HILLS	INSTALL 87' OF 8" PVC SDR-35	SHEET 61
STUB OUTS TIM FLOYD	INSTALL 140' OF 8" PVC SDR-35	SHEET 60



CONDE INC.
ENGINEERING / PLANNING
SURVEYING / GPS
6080 SURETY DR. STE. 100
EL PASO, TEXAS 79905
PHONE: (915) 592-0285
FAX: (915) 592-0286



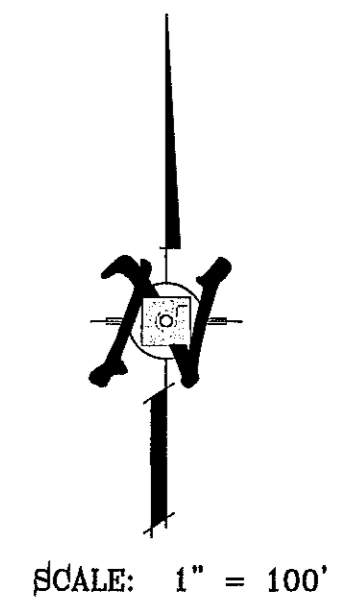
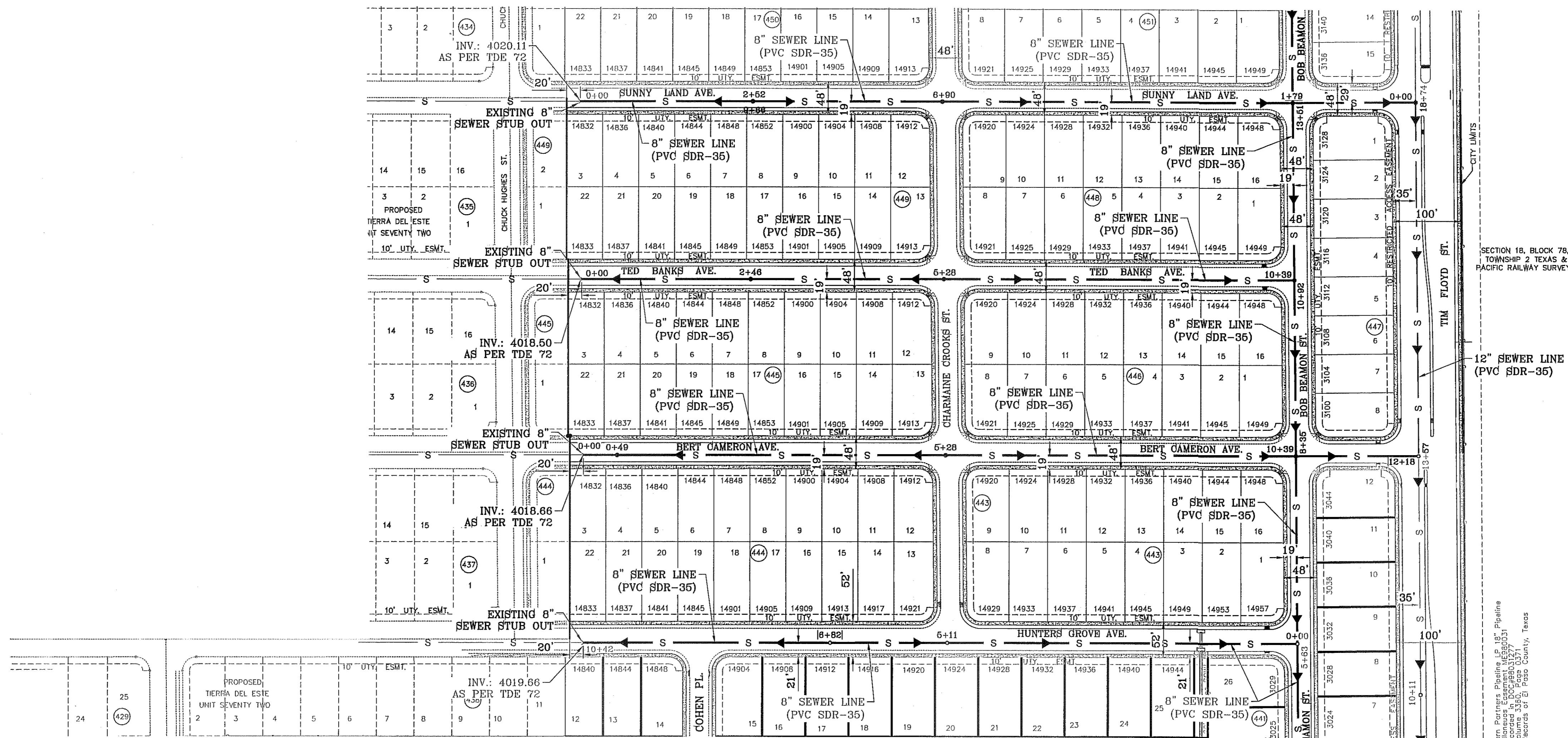
SCALE
HORIZ: 1" = 100'
VERT: ---
DATE: MAY 2013
DESIGN BY: Y.C.
INITIATED BY: R.R.
CHECKED BY: Y.C.
JOB NO.: 118-55

PROJECT NAME
TERRA DEL ESTE UNIT 76
BEING PORTION OF SECTION 18, BLOCK 78,
AND PORTION OF SECTIONS 37 AND 48,
AND BLOCK 79, TOWNSHIP 2, TEXAS
AND PACIFIC RAILWAY CO. SURVEYS,
CITY OF EL PASO, EL PASO COUNTY,
TEXAS
CONTAINING: 66.091 ACRES

BENCHMARK
CITY MONUMENT AT THE CENTERLINE INTERSECTION OF
RALPH SEITSINGER DR. AND GALICENO PL.
ELEVATION 4025.83
BY: R.R.
DATE: 03/05/14
REVISIONS:
1/05/21/14 POND SIZE INCREASE AND SLOPE CHANGE TO 3:1
MANHOLE ELIMINATION AND STUBOUT ADDITION
R.R.

SHEET TITLE
SEWER DISTRIBUTION
SHT 55 OF 72

FILE LOCATION: s:\subdivisions\TDE 76_DWG\SEWER DISTRIBUTION PLOTTED ON Tuesday, September 16, 2014 1:07:53 PM BY RUBEN RIVERA



SECTION 18, BLOCK 76,
TOWNSHIP 2 TEXAS &
PACIFIC RAILWAY SURVEYS

Tim Floyd St. 15" Pipe Line
Consolidated by Doc Roberts (7/27/2013)
Records of El Paso County, Texas

STREET NAME	PIPE LENGTH, PIPE SIZE, AND TYPE	PROFILE SHEET
LOUIS BAUDOIN CT.	INSTALL 982' OF 8" PVC SDR-35	SHEET 61
DAVID PALACIO ST.	INSTALL 272' OF 8" PVC SDR-35	SHEET 60
RALPH SEITSINGER DR.	INSTALL 1197' OF 12" PVC SDR-35	SHEET 61
PEBBLE HILLS BLVD.	INSTALL 1847' OF 16" PVC SDR-35	SHEET 68
TIM FLOYD ST.	INSTALL 2666' OF 12" PVC SDR-35	SHEET 68
TIM HARDWAY AVE.	INSTALL 1039' OF 8" PVC SDR-35	SHEET 69
SUNNY LAND AVE.	INSTALL 1216' OF 8" PVC SDR-35	SHEET 69
TED BANKS AVE.	INSTALL 1039' OF 8" PVC SDR-35	SHEET 69
BERT CAMERON AVE.	INSTALL 1216' OF 8" PVC SDR-35	SHEET 69
HUNTERS GROVE AVE.	INSTALL 1042' OF 8" PVC SDR-35	SHEET 69
PAID SHADOW AVE.	INSTALL 1377' OF 8" PVC SDR-35	SHEET 69
HOLLY SPRING AVE.	INSTALL 1763' OF 8" PVC SDR-35	SHEET 60
BOB BEAMONT ST.	INSTALL 1610' OF 8" PVC SDR-35	SHEET 61
STUB OUT PEBBLE HILLS	INSTALL 87' OF 8" PVC SDR-35	SHEET 69
STUB OUT TIM FLOYD	INSTALL 140' OF 8" PVC SDR-35	SHEET 60



ENGINEER'S SEAL

CONDE INC.
ENGINEERING / PLANNING
SURVEYING / GPS
6000 SURETY DR. STE 100
EL PASO, TEXAS 79805
PHONE: (915) 592-0283
FAX: (915) 592-0286

SCALES
HORIZ: 1" = 100'
VERT: ---

DATE: MAY 2013
DESIGN BY: Y.C.
INITIATED BY: R.R.
CHECKED BY: Y.C.
JOB NO.: 113-96

ENGINEER'S SEAL

CONDE INC.
REGISTRATION No. P-2311

SHEET TITLE

SEWER DISTRIBUTION

SHT 56 OF 72

PROJECT NAME
TIERRA DEL ESTE UNIT 76

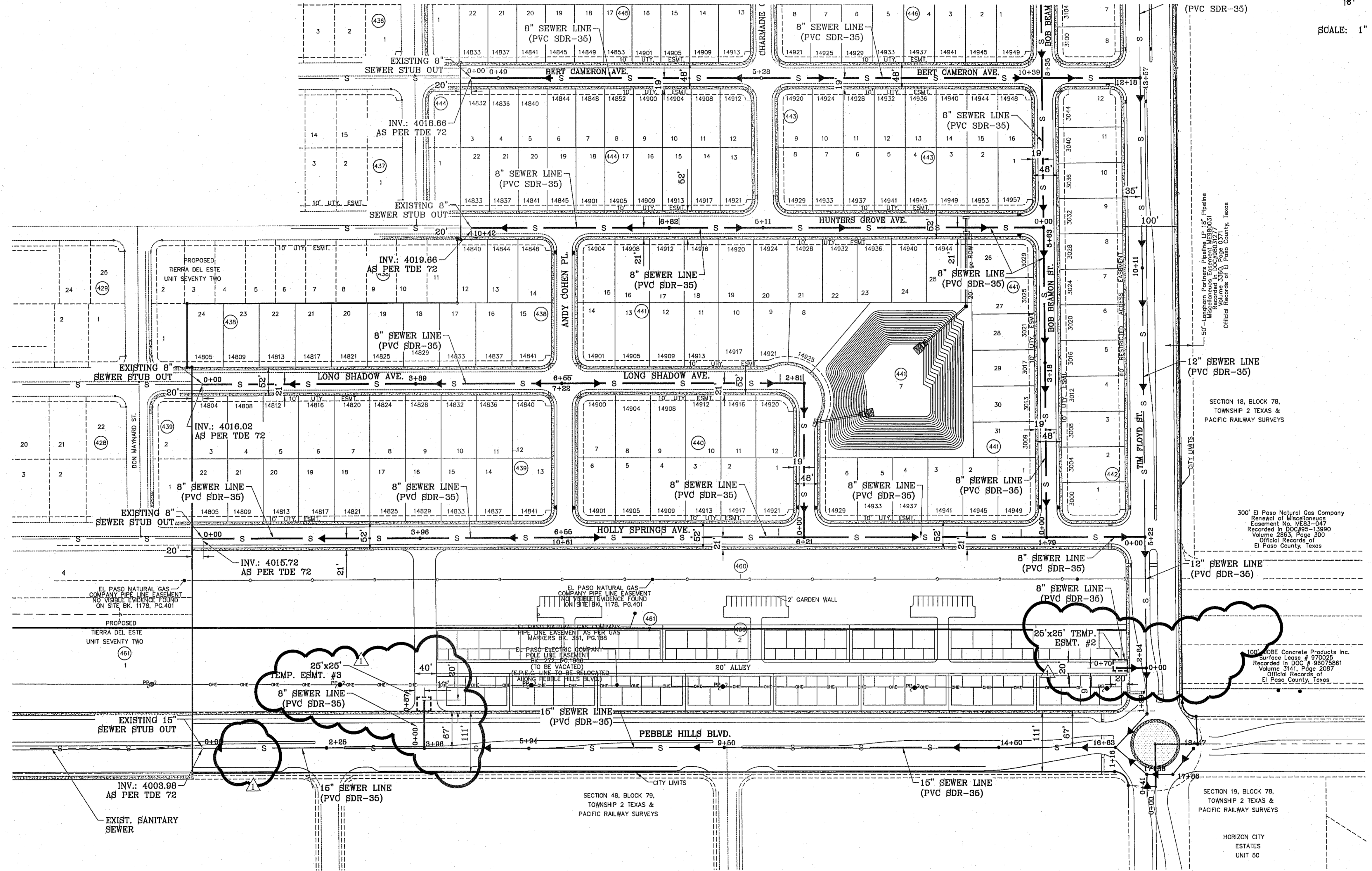
BENCHMARK
CITY MONUMENT AT THE CENTERLINE INTERSECTION OF
RALPH SEITSINGER DR. AND GALICENO PL.
ELEVATION 4025.83

REVISIONS

DATE	BY	R.R.
03/05/14	Y.C.	MANHOLE ELIMINATION AND SLOPE CHANGE TO 8:1
11/05/21/14	Y.C.	MANHOLE ELIMINATION AND STUBOUT ADDITION

TIERRA DEL ESTE UNIT 76
BEING PORTION OF SECTION 18, BLOCK 76,
AND BLOCK 79, TOWNSHIP 2 TEXAS &
PACIFIC RAILWAY CO. SURVEYS,
CITY OF EL PASO, EL PASO COUNTY, TEXAS
CONTAINING: 86.09± ACRES

FILE LOCATION s:\Subdivisions\TDE 76\DWG\SEWER DISTRIBUTION PLOTTED ON Monday, September 29, 2014 2:56:24 PM BY RUBEN RIVERA



SCALE: 1" = 100'



STREET NAME	PIPE LENGTH, PIPE SIZE, AND TYPE	PROFILE SHEET
LOUIS BAUDON CT.	INSTALL 992' OF 8" PVC SDR-35	SHEET 61
DAVID PALACIO ST.	INSTALL 272' OF 8" PVC SDR-35	SHEET 60
RALPH SETTSINGER DR.	INSTALL 1197' OF 12" PVC SDR-35	SHEET 61
PEBBLE HILLS BLVD.	INSTALL 1847' OF 15" PVC SDR-35	SHEET 61
TIM FLOYD ST.	INSTALL 2866' OF 12" PVC SDR-35	SHEET 68
TIM HARDAWAY AVE.	INSTALL 1039' OF 8" PVC SDR-35	SHEET 69
SUNNY LAND AVE.	INSTALL 1218' OF 8" PVC SDR-35	SHEET 69
TED BANKS AVE.	INSTALL 1039' OF 8" PVC SDR-35	SHEET 69
BERT CAMERON AVE.	INSTALL 1218' OF 8" PVC SDR-35	SHEET 69
HUNTERS GROVE AVE.	INSTALL 1042' OF 8" PVC SDR-35	SHEET 69
LONG SHADOW AVE.	INSTALL 1377' OF 8" PVC SDR-35	SHEET 60
HOLLY SPRINGS AVE.	INSTALL 1764' OF 8" PVC SDR-35	SHEET 60
BOB BEAMONT ST.	INSTALL 1610' OF 8" PVC SDR-35	SHEET 69
STUB OUT PEBBLE HILLS	INSTALL 87' OF 8" PVC SDR-35	SHEET 61
STUB OUT TIM FLOYD	INSTALL 70' OF 8" PVC SDR-35	SHEET 60



Final Approval

BENCHMARK

CITY MONUMENT AT THE CENTERLINE INTERSECTION OF RALPH SETTSINGER DR. AND GALICENO PL. ELEVATION 4025.83 NAVD83 DATUM

DATE	BY	REVISIONS
03/05/14	R.R.	POND SIZE INCREASE AND SLOPE CHANGE TO 3:1
11/05/21/14	R.R.	MANHOLE ELIMINATION AND STUBOUT ADDITION
7/25/14	R.R.	ADDITION OF EASMENTS FOR STUB OUTS
9/15/14	R.R.	REVISED LOTS ON BLOCKS 48-442

PROJECT NAME

TERRA DEL ESTE UNIT 76

BEING PORTION OF SECTION 18, BLOCK 78, AND BLOCK 79, TOWNSHIP 2 TEXAS & PACIFIC RAILWAY CO. SURVEYS, CITY OF EL PASO, EL PASO COUNTY, TEXAS CONTAINING: 86.09± ACRES

SCALE

HORIZ: 1" = 100'

VERT: ---

DATE: MAY 2013

DESIGN BY: Y.C.

INITIATED BY: R.R.

CHECKED BY: Y.C.

JOB NO.: 119-95

ENGINEER'S SEAL

CONDE INC.

ENGINEERING / PLANNING / SURVEYING / GPS

6080 SURETY DR. STE 100
EL PASO, TEXAS 79905
PHONE: (915) 592-0263
FAX: (915) 592-0266

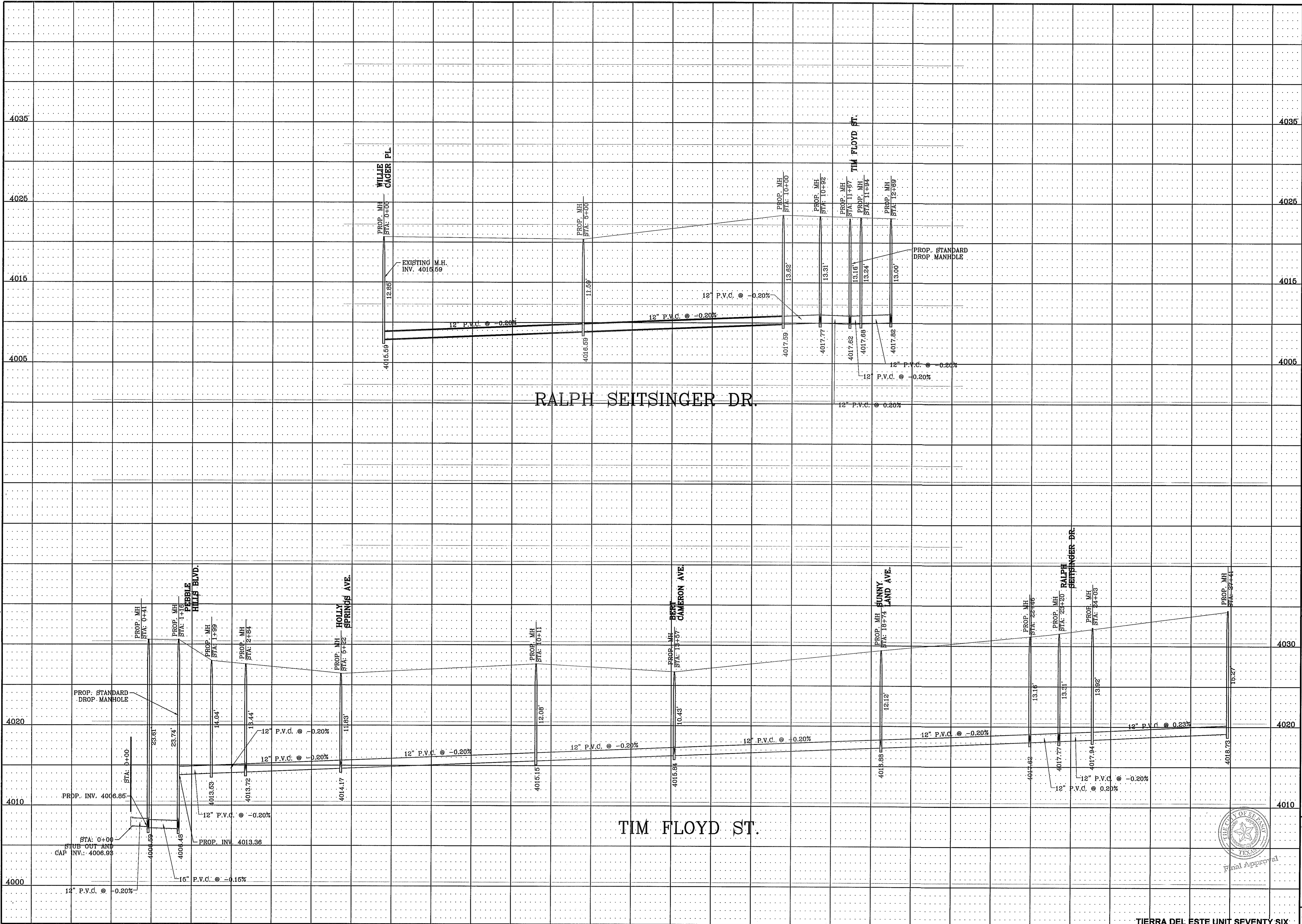
SHEET TITLE

SEWER DISTRIBUTION

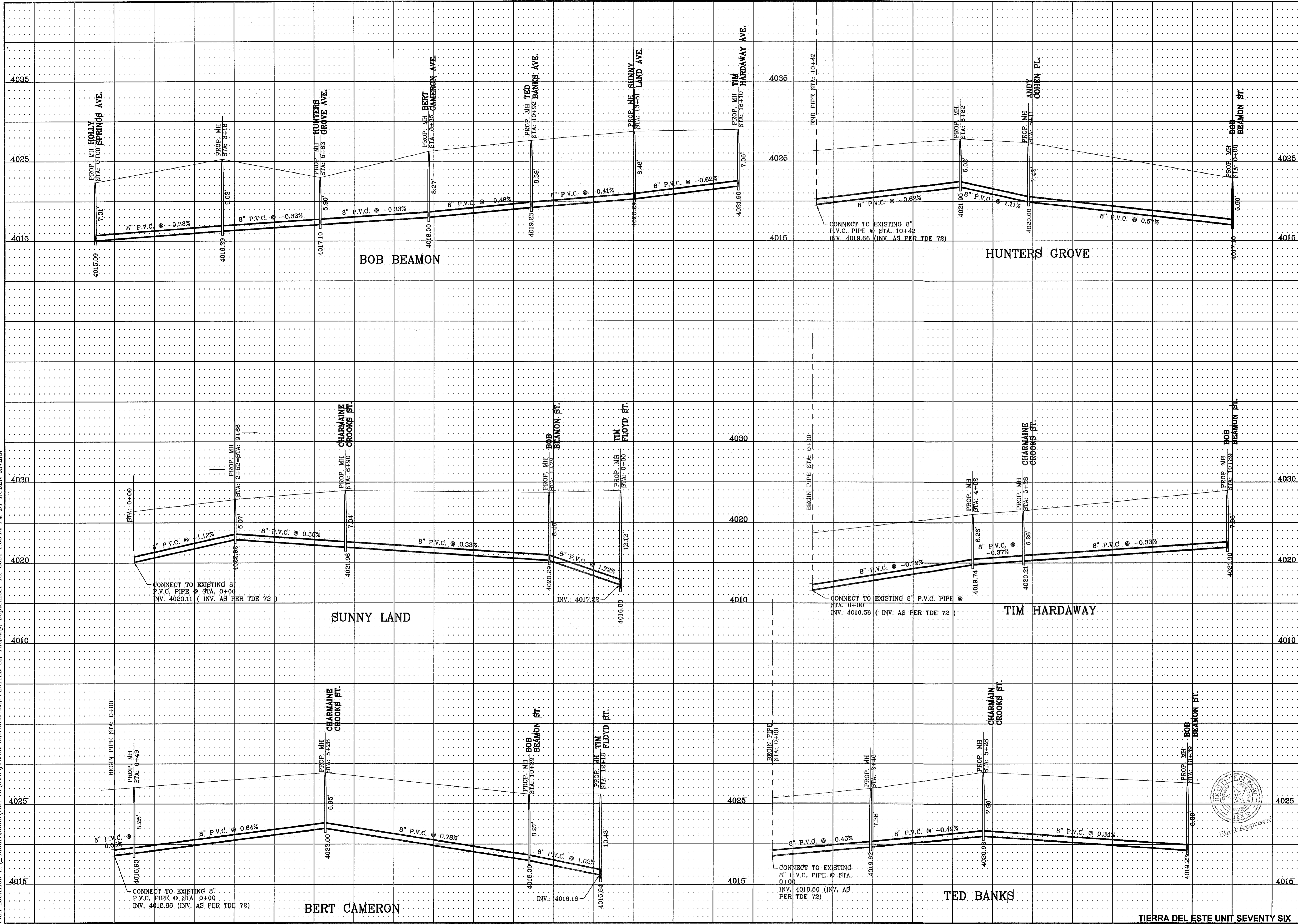
SHT 57 OF 72

TIERRA DEL ESTE UNIT SEVENTY SIX

FILE LOCATION s:_Subdivisions\TDE 76\DWG\SEWER DISTRIBUTION PLOTTED ON Tuesday, September 16, 2014 1:08:08 PM BY RUBEN RIVERA



<p>ENGINEER'S SEAL</p>		<p>SCALE</p> <p>HORIZ: 1" = 100'</p> <p>VERT: 1" = 10'</p> <p>DATE: MAY 2013</p> <p>DESIGN BY: Y.C.</p> <p>INITIATED BY: R.R.</p> <p>CHECKED BY: Y.C.</p> <p>JOB NO.: 113-55</p>
<p>CONDE INC.</p> <p>ENGINEERING / PLANNING</p> <p>SURVEYING / GPS</p> <p>6060 SURVEY DR. STE. 100</p> <p>EL PASO, TEXAS 79905</p> <p>PHONE: (915) 592-0283</p> <p>FAX: (915) 592-0286</p>		<p>PROJECT NAME</p> <p>TERRA DEL ESTE UNIT 76</p> <p>BEING PORTION OF SECTION 18, BLOCK 78, AND PORTION OF SECTIONS 57 AND 48, AND BLOCK 79, TOWNSHIP 2, TEXAS AND PACIFIC RAILWAY CO. SURVEYS, CITY OF EL PASO, EL PASO COUNTY, TEXAS CONTAINING: 86.09± ACRES</p>
<p>SHEET TITLE</p> <p>SANITARY SEWER PROFILES</p>		<p>BENCHMARK</p> <p>CITY MONUMENT AT THE CENTERLINE INTERSECTION OF RALPH SEITSINGER DR. AND CALICENO PL. ELEVATION 4025.83</p> <p>REVISIONS</p> <p>DATE: 03/05/14 BY: R.R.</p> <p>7/25/14 POND SIZE INCREASE AND SLOPE CHANGE TO 3:1 ADDITION OF EASMENTS FOR STUB OUTS R.R.</p>
<p>TIERRA DEL ESTE UNIT SEVENTY SIX</p>		<p>SHT 58 OF 72</p>



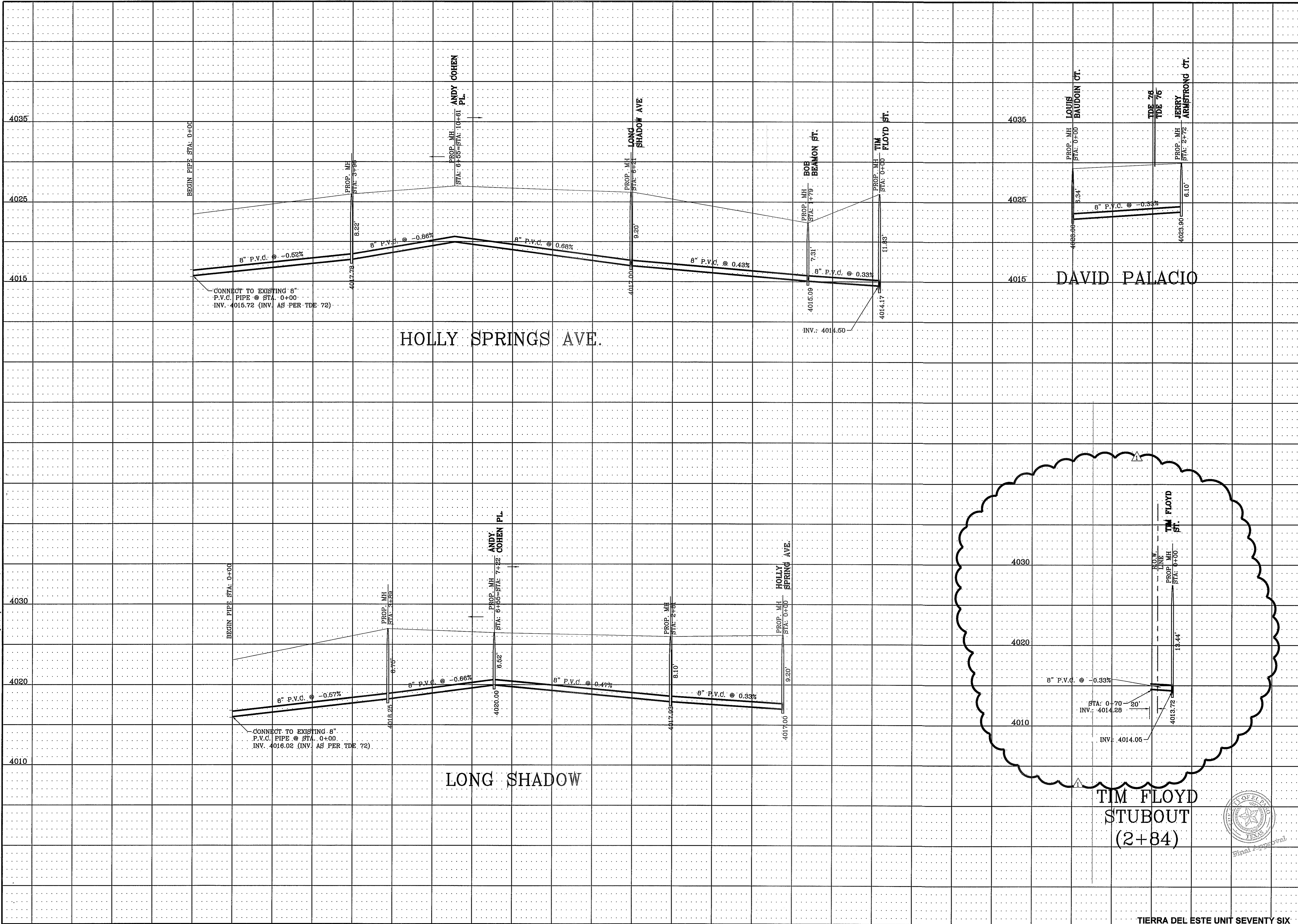
BENCHMARK	
CITY MONUMENT AT THE CENTERLINE INTERSECTION OF RALPH BEITSINGER DR. AND GALICENO PL.	ELEVATION 4025.83
DATE	03/05/14
BY	R.R.
REVISIONS	POND SIZE INCREASE AND SLOPE CHANGE TO 3:1

PROJECT NAME
TIERRA DEL ESTE UNIT 76
 BEING PORTION OF SECTION 18, BLOCK 78, AND PORTION OF SECTIONS 37 AND 48, BLOCK 78, TOWNSHIP 2, TEXAS AND PACIFIC RAILWAY CO. SURVEYS, CITY OF EL PASO, EL PASO COUNTY, TEXAS CONTAINING: 86.09± ACRES

ENGINEER'S SEAL
 HORIZ: 1" = 100
 VERT: ---
 DATE: MAY 2013
 DESIGN BY: Y.C.
 INITIATED BY: R.R.
 CHECKED BY: Y.C.
 JOB NO.: 113-36

CONDE INC.
 ENGINEERING / PLANNING
 SURVEYING / GPS
 6080 SURETY DR. STE 100
 EL PASO, TEXAS 79905
 PHONE: (915) 592-0283
 FAX: (915) 592-0286

FILE LOCATION G:_Subdivisions\TDE 76\DWG\SEWER DISTRIBUTION PLOTTED ON Tuesday, September 16, 2014 1:08:19 PM BY RUBEN RIVERA



ENGINEER'S SEAL

CONDE INC.
ENGINEERING / PLANNING
SURVEYING / GPS
6080 SURVEY DR. SUITE 100
EL PASO, TEXAS 79905
PHONE: (915) 592-0283
FAX: (915) 592-0286

SCALE
HORIZ: 1" = 100'
VERT: ---

DATE: MAY 2013
DESIGN BY: Y.C.
INITIATED BY: R.R.
CHECKED BY: Y.C.
JOB NO.: 113-36

PROJECT NAME
TERRA DEL ESTE UNIT 76
BEING PORTION OF SECTIONS 18, BLOCK 76,
AND PORTION OF SECTIONS 97, AND 46,
BLOCK 79, TOWNSHIP 2, TEXAS
AND PACIFIC RAILWAY CO. SURVEYS
CITY OF EL PASO, EL PASO COUNTY, TEXAS
CONTAINING: 66.09± ACRES

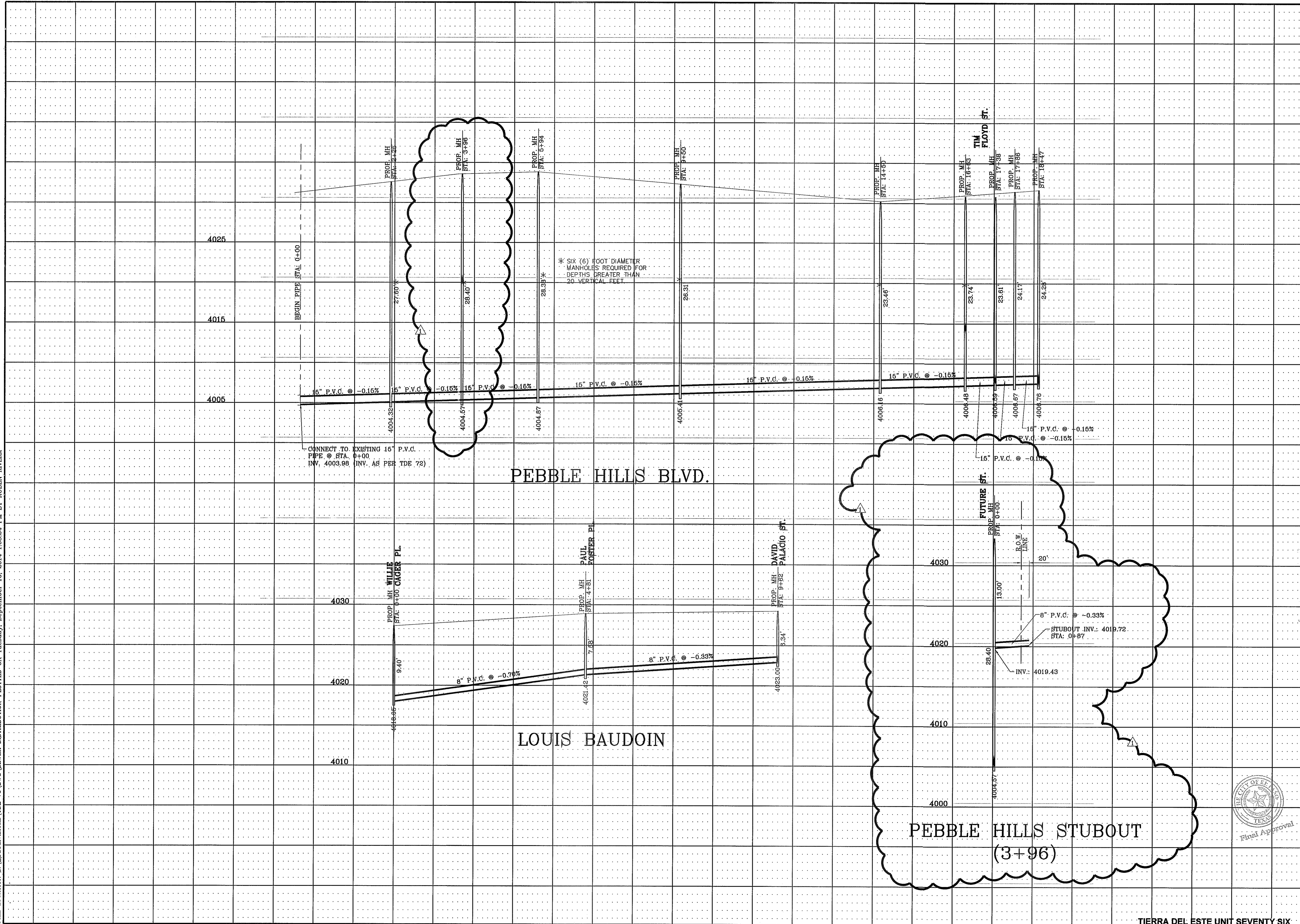
BENCHMARK
CITY MONUMENT AT THE CENTERLINE INTERSECTION OF
RALPH SEITZINGER DR. AND GALICENO PL.
ELEVATION 4025.83
DATE: 05/05/14
REVISIONS:
1 5/21/14 POND SIZE INCREASE AND SLOPE CHANGE TO 3:1
ADDITION OF STUB OUTS

SHEET TITLE
SANITARY SEWER PROFILES

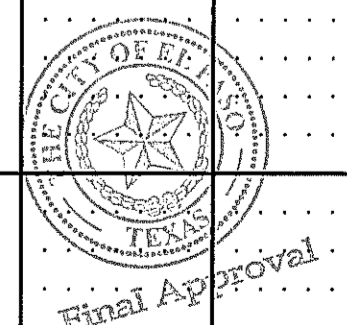
SHT 60 OF 72

TERRA DEL ESTE UNIT SEVENTY SIX

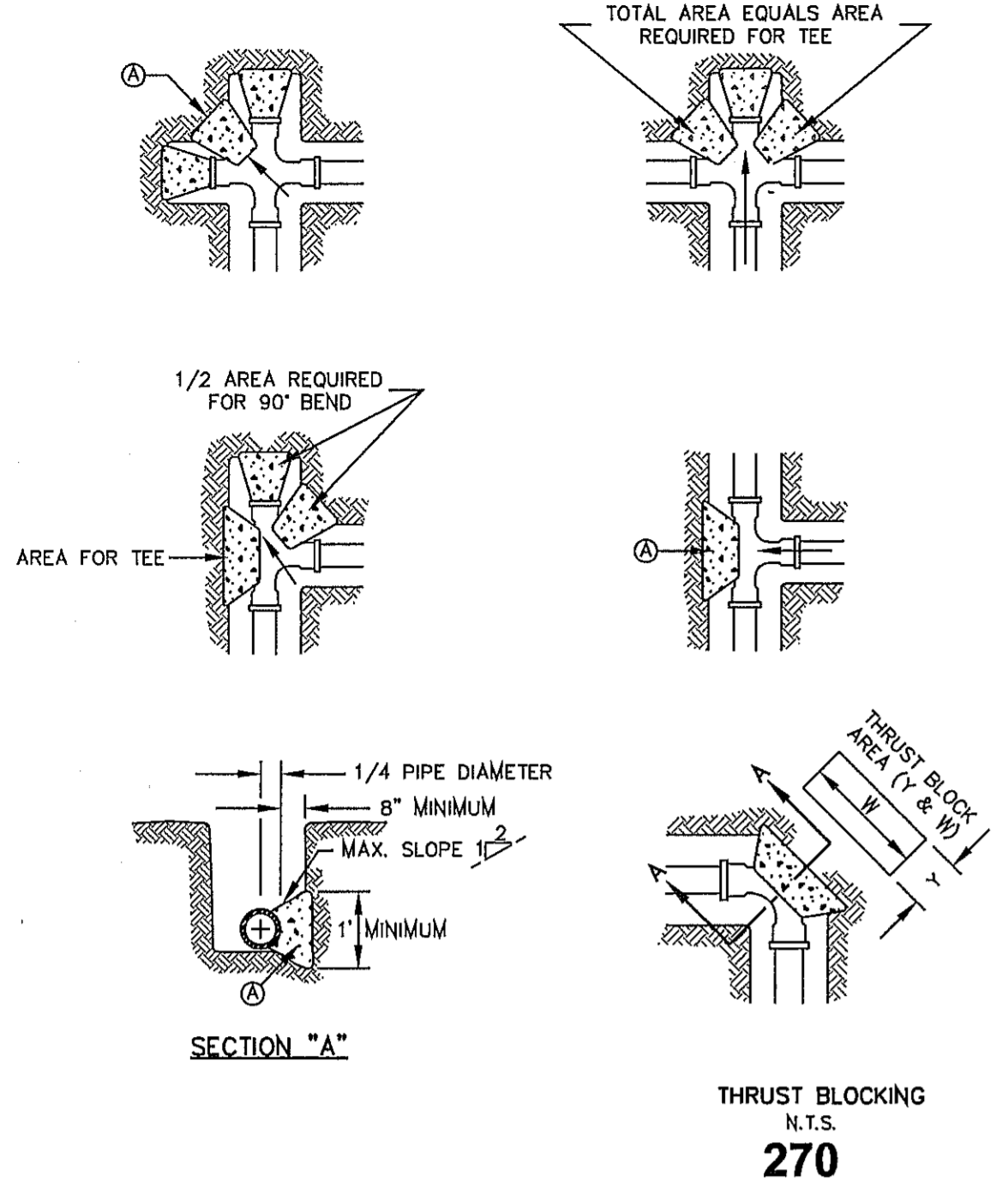
FILE LOCATION s:\subdivisions\TDE 76\DWG\SEWER DISTRIBUTION PLOTTED ON Tuesday, September 16, 2014 1:08:24 PM BY RUBEN RIVERA



ENGINEER'S SEAL 		SCALE HORIZ: 1" = 100' VERT: ---
CONDE INC. ENGINEERING / PLANNING SURVEYING / GPS 6080 SURETY DR. STE 100 EL PASO, TEXAS 79905 PHONE: (915) 592-0285 FAX: (915) 592-0286		DATE: MAY 2013 DESIGN BY: Y.C. INITIATED BY: R.R. CHECKED BY: Y.C. JOB NO.: 113-56
PROJECT NAME TERRA DEL ESTE UNIT 76 BEING PORTION OF SECTION 18, BLOCK 78, AND PORTION OF SECTIONS 37 AND 48, BLOCK 79, TOWNSHIP 2, TEXAS AND PACIFIC RAILWAY CO. SURVEYS, CITY OF EL PASO, EL PASO COUNTY, TEXAS CONTAINING: 66.09± ACRES		BENCHMARK CITY MONUMENT AT THE CENTERLINE INTERSECTION OF RALPH SEITSINGER DR. AND GALICENO PL. ELEVATION 4025.83NAVD88 DATUM
REVISIONS ADDITION OF STUB OUTS POND SIZE INCREASE AND SLOPE CHANGE TO 3:1		DATE 05/05/14 11/05/21/14
BY R.R.		R.R.
SHEET TITLE SANITARY SEWER PROFILES		SHT 61 OF 72



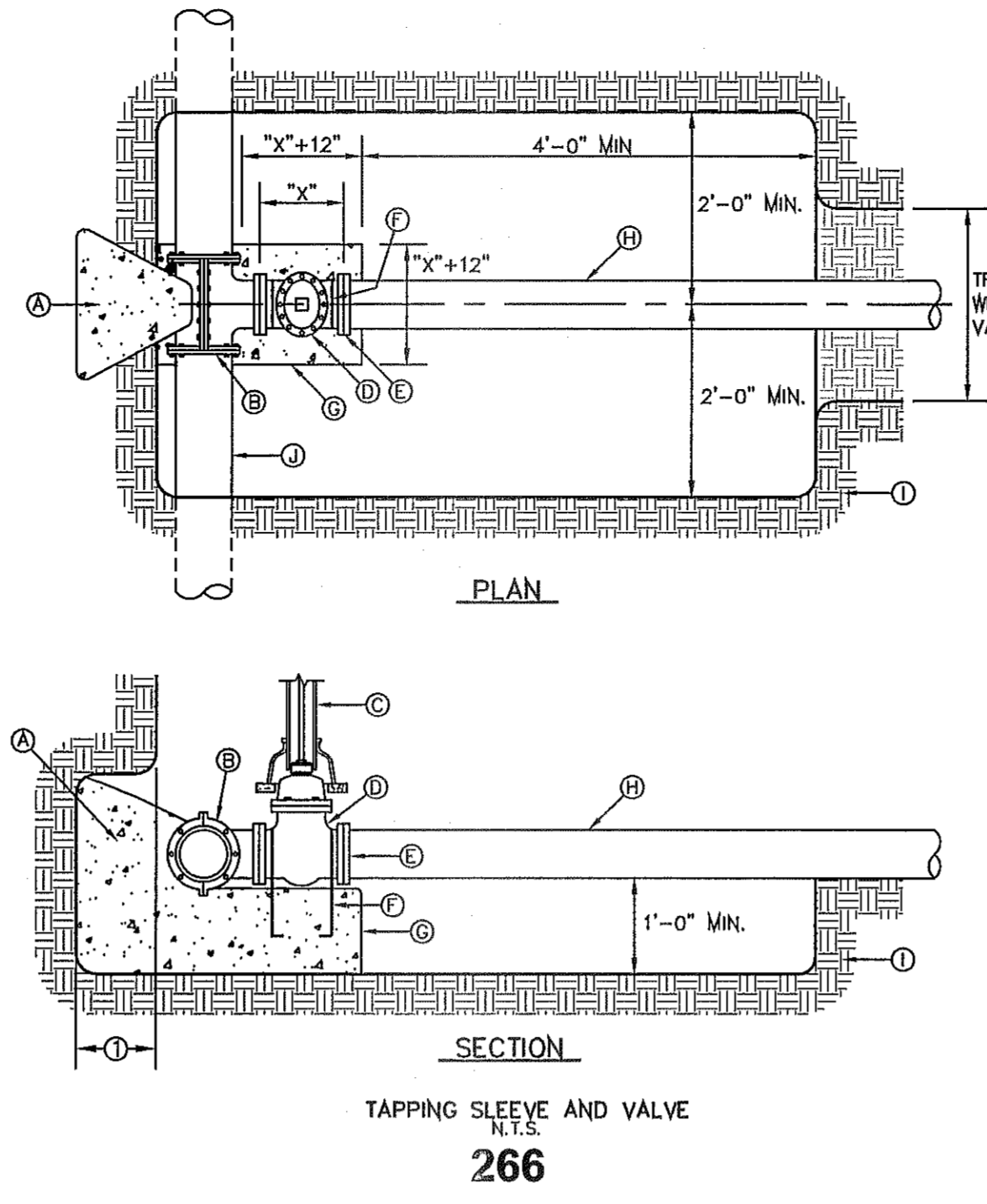
FILE LOCATION: Subdivisions\TDE 76.DWG\W&S NOTES AND DETAILS PLOTTED ON Tuesday, September 16, 2014 1:08:31 PM BY RUBEN RIVERA



GENERAL NOTES:
 1. TABLE IS BASED ON 2000#/SQ. FT. SOIL. IF CONDITIONS ARE FOUND TO INDICATE SOIL BEARING IS LESS, THE AREAS SHALL BE INCREASED ACCORDINGLY.
 2. AREAS FOR PIPE LARGER THAN 18" SHALL BE CALCULATED.
 3. CONCRETE SHALL HAVE A MINIMUM COMPRESSION STRENGTH OF 2500 PSI.
 4. THRUST BLOCK IS TO EXTEND TO UNDISTURBED SOIL.
 5. SIZE MAY BE DECREASED FOR LESSER DEGREE OF BENDS AS DETERMINED BY ENGINEER.
 6. KEEP CONCRETE CLEAR OF M.J. OR BELL AND SPOUT JOINTS.
 7. BLOCK IN A SIMILAR MANNER AT TEES, HYDRANTS, PLUG OR OTHER LOCATIONS AS REQUIRED.
 8. WHEN NECESSARY ADDITIONAL THRUST RESTRAINT METHODS MAY BE USED, SUCH AS MECHANICAL JOINT RESTRAINTS, TIE-RODS (INSTALLED PER MANUFACTURERS' RECOMMENDATIONS) OR OTHER APPROVED METHODS.

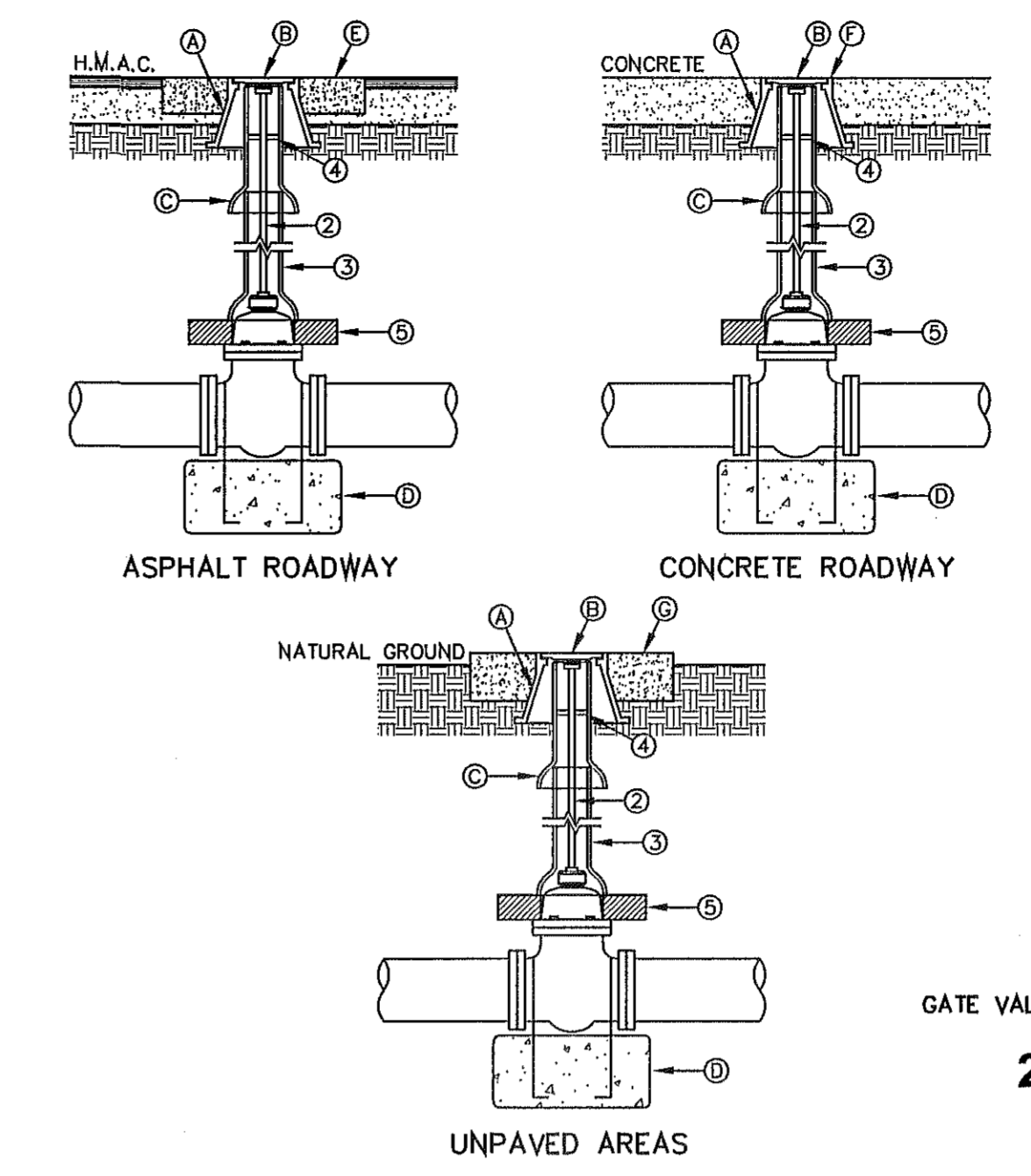
CONSTRUCTION KEY NOTES:
 A. LENGTH "Y & W" AS REQUIRED TO OBTAIN BEARING AREA AGAINST UNDISTURBED SOIL.
 B. ADDITIONAL EXCAVATION IF NECESSARY TO OBTAIN REQUIRED BEARING AREA.
 C. MINIMUM THRUST BLOCK AREA REQUIREMENTS FOR (Y & W) AS FOLLOWS:

PIPE SIZE	TEE, DEAD END	45° AND 90° BEND	22 1/2° BENDS
4" & LESS	3 SQ. FEET	3 SQ. FEET	3 SQ. FEET
6"	4 SQ. FEET	3 SQ. FEET	3 SQ. FEET
8"	6 SQ. FEET	3 SQ. FEET	3 SQ. FEET
10"	9 SQ. FEET	5 SQ. FEET	3 SQ. FEET
12"	13 SQ. FEET	7 SQ. FEET	3 SQ. FEET
16"	23 SQ. FEET	12 SQ. FEET	3 SQ. FEET
18"	29 SQ. FEET	15 SQ. FEET	3 SQ. FEET



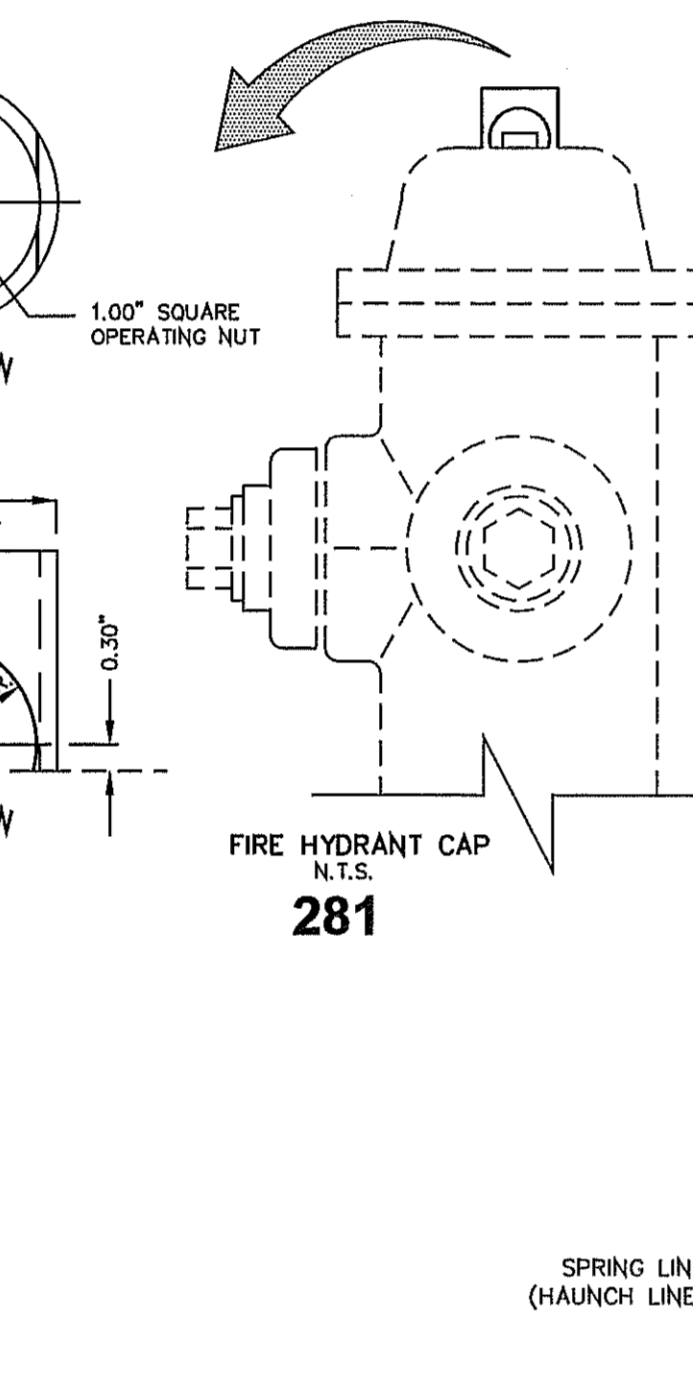
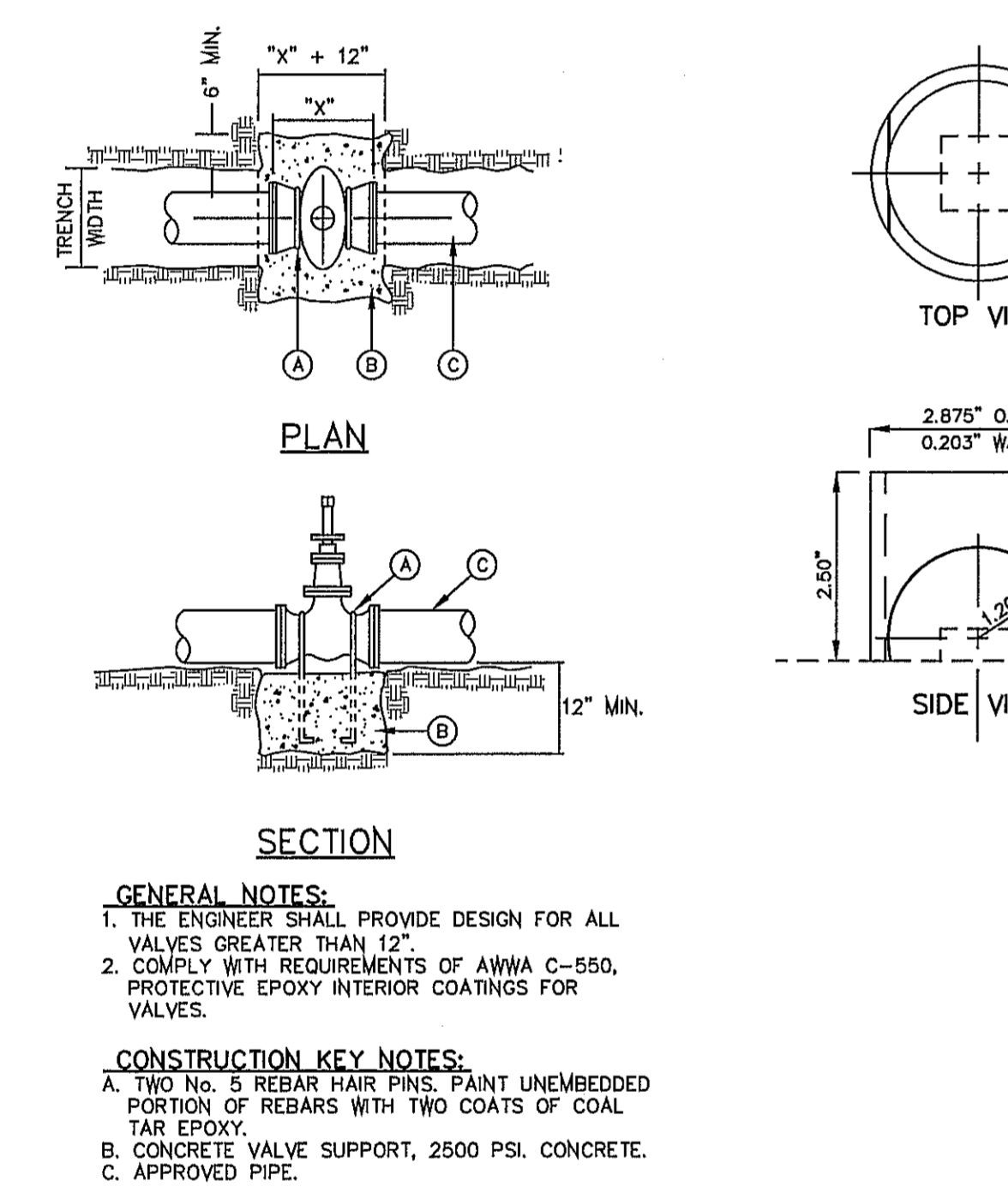
GENERAL NOTES:
 1. THRUST BLOCKING SHALL EXTEND TO UNDISTURBED EARTH.
 2. TAPPING SLEEVE SHALL BE 18" MINIMUM FROM ANY BELL, COUPLING, VALVE OR FITTING LOCATED ALONG EXISTING WATER LINE TO BE TAPPED.
 3. REPLACE EXCAVATED MATERIAL WITH CEMENT STABILIZED BACKFILL PRIOR TO PAVING.
 4. JOINTS AND BOLTS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

CONSTRUCTION KEY NOTES:
 A. CONCRETE THRUST BLOCKING, PER DETAIL 270.
 B. TAPPING SLEEVE.
 C. RISER INSTALLATION, PER DETAIL 260.
 D. TAPPING VALVE.
 E. VALVE ENDS FOR TYPE OF PIPE INSTALLED.
 F. 2-#5 REBAR HAIRPINS, PAINT UNEMBEDDED PORTION OF BARS WITH 2-COATS OF COAL TAR EPOXY, THEN COVER WITH 2" MINIMUM OF CEMENT MORTAR.
 G. CONCRETE VALVE SUPPORT, PER DETAIL 271.
 H. NEW WATER LINE TO BE INSTALLED.
 I. UNDISTURBED EARTH.
 J. EXISTING WATER MAIN TO BE TAPPED.



GENERAL NOTES:
 1. VALVE TYPE AND VALVE ENDS SHALL BE AS SHOWN ON THE PLANS.
 2. ALL BURIED VALVES 8" AND DEEPER SHALL BE PROVIDED WITH SOLID STEEL EXTENSION STEM OPERATOR WITH 2" SQUARE AWWA NUT WITHIN 36" OF VALVE BOX COVER. NUT IS TO INDICATE DIRECTION OF ROTATION TO OPEN VALVE.
 3. 8" DIA. MINIMUM VITRIFIED CLAY OR SDR 35 P.V.C. PIPE, PIPE SHALL NOT REST ON VALVE BODY.
 4. 1/2" THICK STEEL TRASH REST ON VALVE BODY DIAMETER MINUS 1/8".
 5. MINIMUM 2 1/2" CONCRETE OR BRICK ALL AROUND.
 6. CLEAN BONNET BOX OF ALL DEBRIS AND SOIL.
 7. COAT BURIED PIPE AND BONNET BOX PER SPECIFICATIONS. VALVE SHALL BE WRAPPED IN POLYETHYLENE IN ACCORDANCE WITH SPECIFICATIONS.

CONSTRUCTION KEY NOTES:
 A. BONNET BOX (SEE DETAIL 268).
 B. BONNET BOX COVER (SEE DETAILS 269-1 & 269-2).
 C. FINAL EXTENSION TO BONNET BOX SHALL BE WITH BELL AND SPOUT ENDS (CLAY OR SDR 35 P.V.C. SPOOL).
 D. CONCRETE VALVE ANCHOR (SEE DETAIL 271).
 E. CONCRETE COLLAR (SEE DET 184-1) FLUSH WITH TOP OF H.M.A.C.
 F. CONCRETE VALVE ANCHOR SHALL BE WRAPPED IN POLYETHYLENE IN ACCORDANCE WITH SPECIFICATIONS.
 G. CONCRETE APRON (SEE DETAIL 184-2) FLUSH WITH BONNET BOX AND 2" ABOVE NATURAL GROUND.

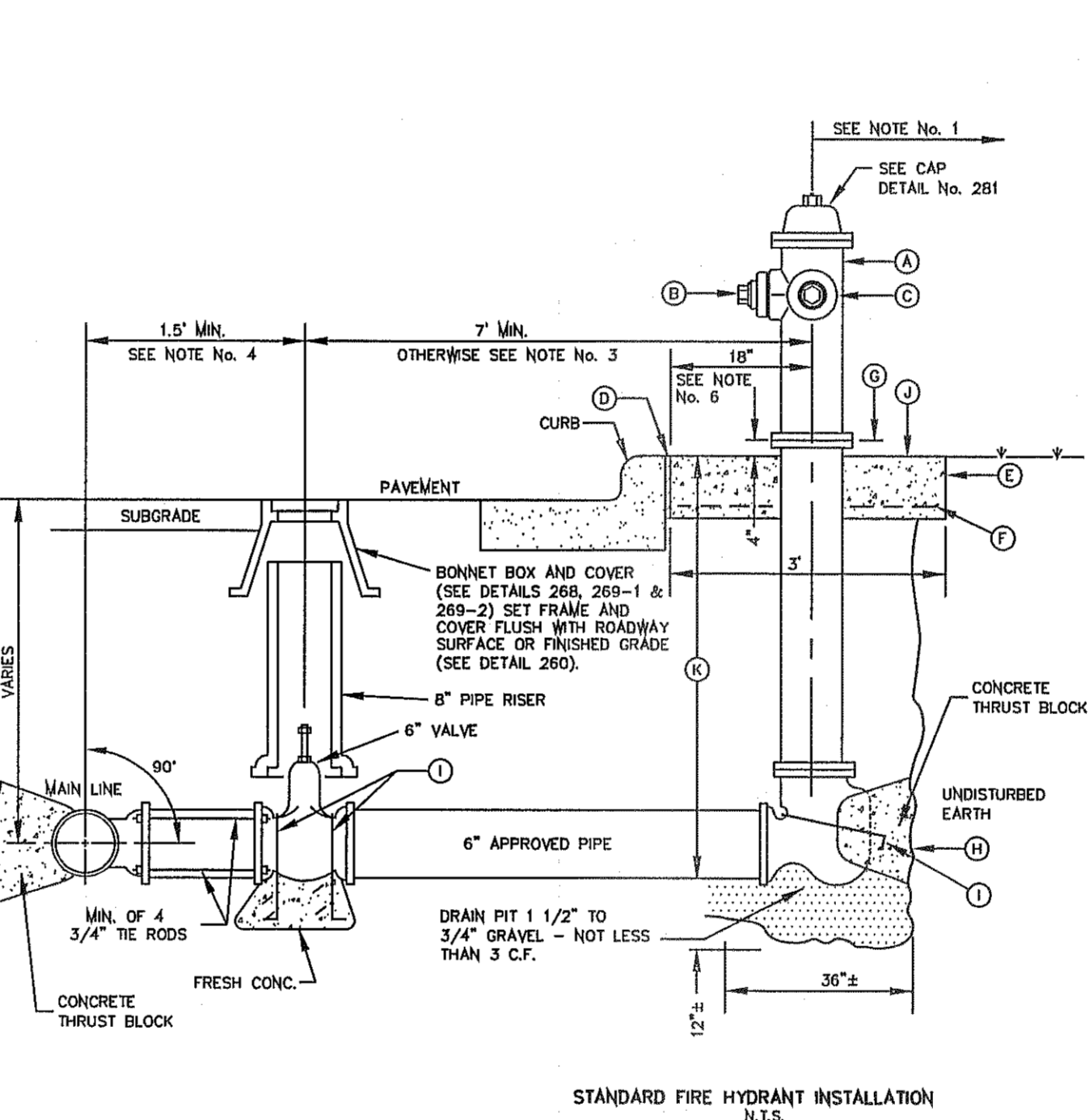


1. STEEL CAPS TO BE MACHINED FROM STEEL PIPE: NOMINAL SIZE = 2 1/2" DIA. OUTSIDE DIA. = 2.875" WALL THICKNESS = 0.203 LBS./FT. = 6.79

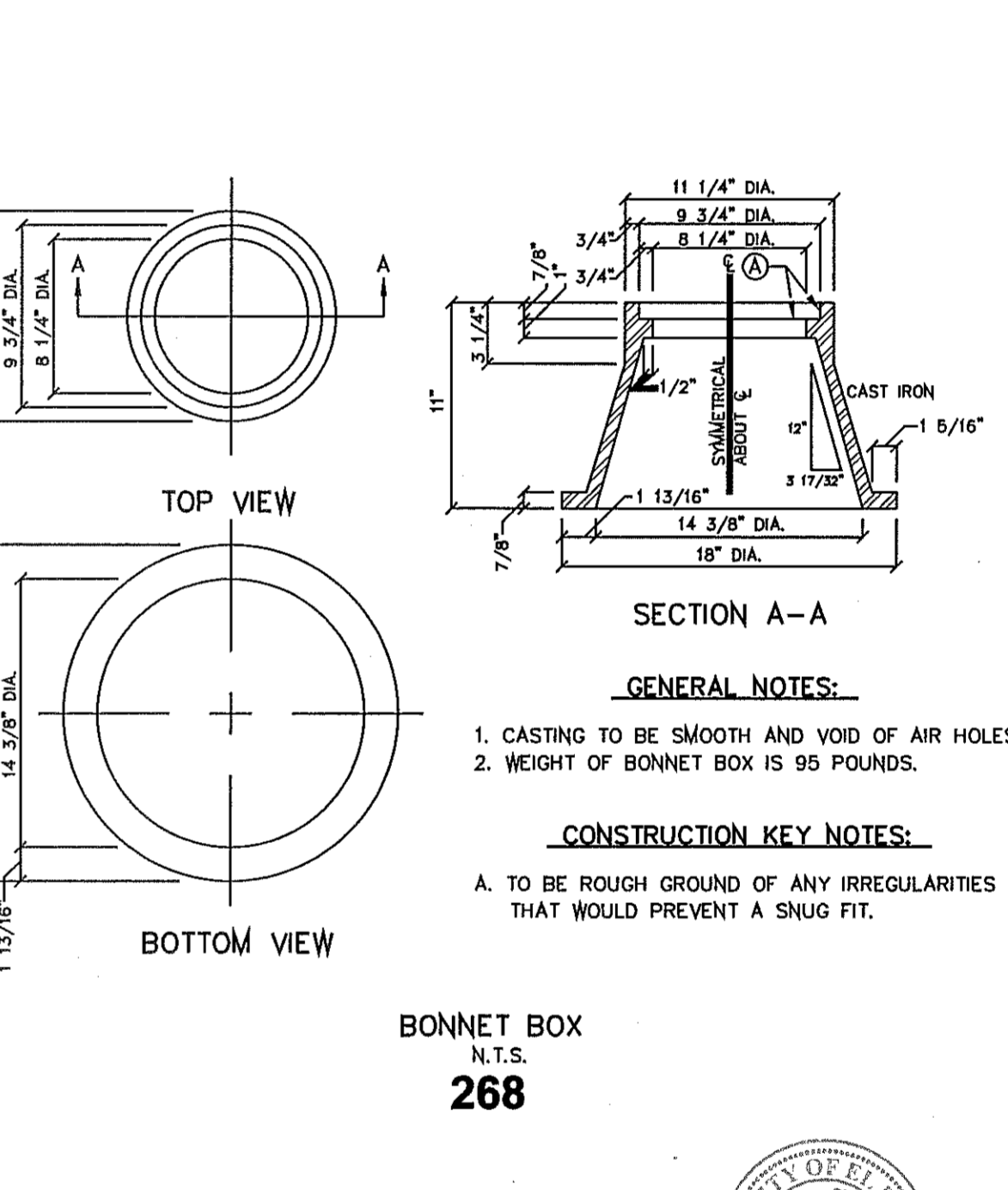
2. CAPS ARE TO BE TACK WELDED OR BRAZED ON FIRE HYDRANT BONNET OR WEATHER CAP.

3. THE CAPS OVER THE OPERATING NUT WILL PREVENT ACCESS TO THE UNAUTHORIZED USE OF HYDRANT WATER.

GENERAL NOTES:
 1. DETAIL DRAWING TERMINOLOGY IS IN ACCORDANCE WITH ASTM D-2321.
 2. UNLESS OTHERWISE PERMITTED BY THE ENGINEER, ALL MATERIAL IN THE EMBEDMENT ZONE SHALL BE HOMOGENOUS.

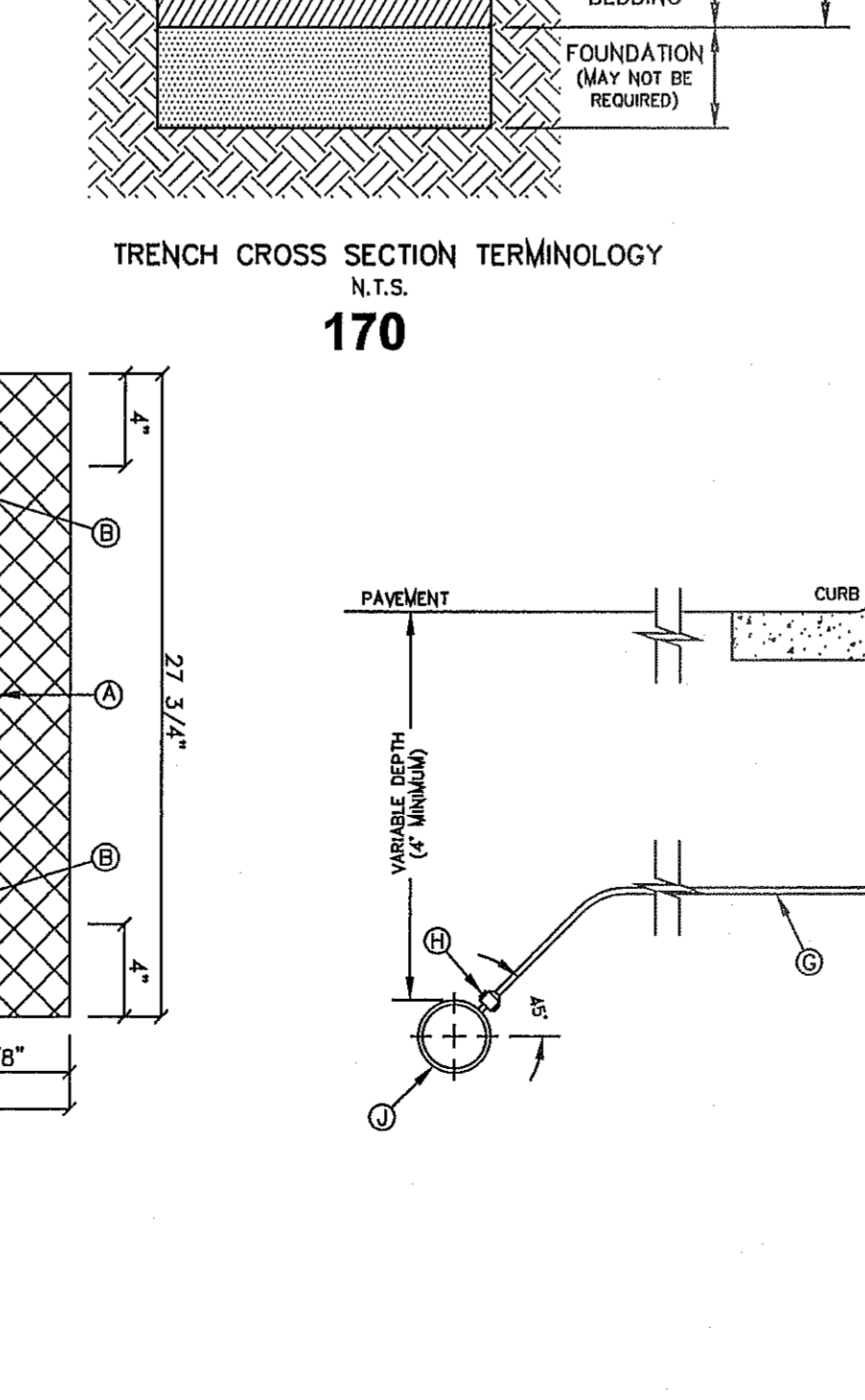
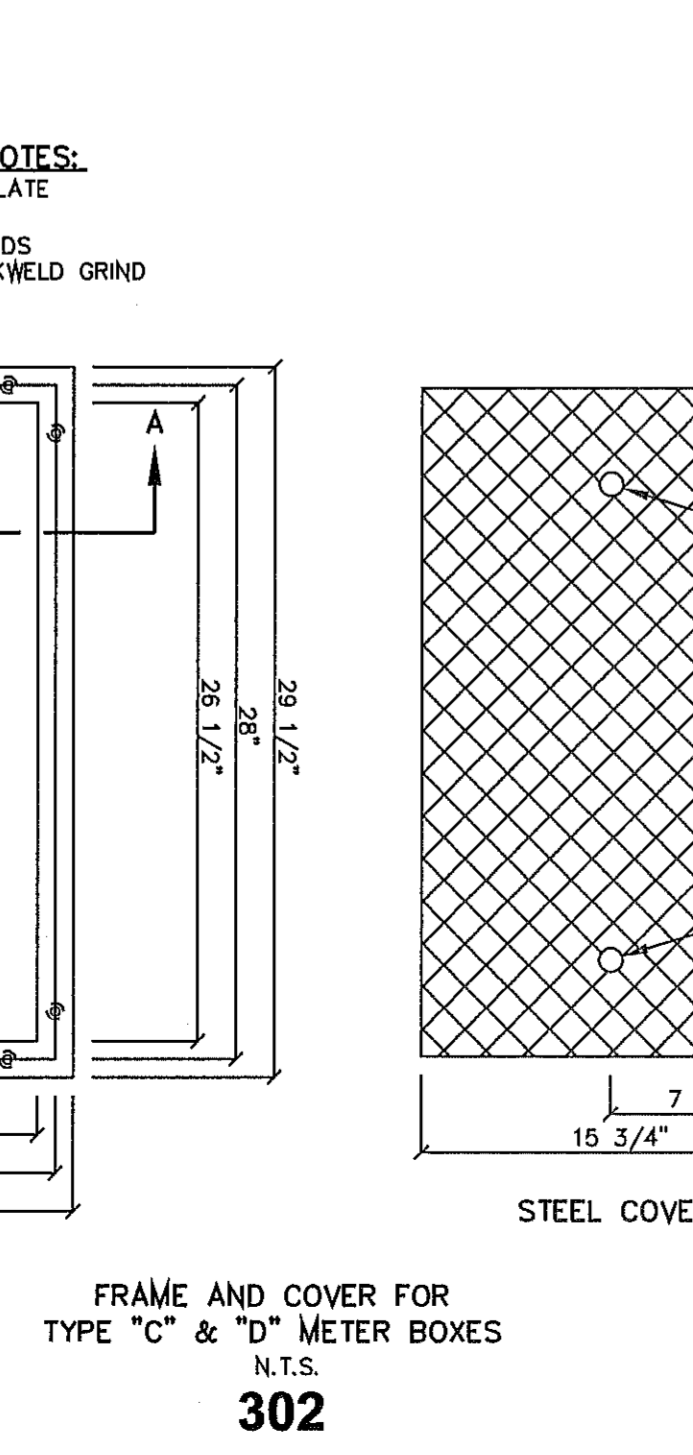
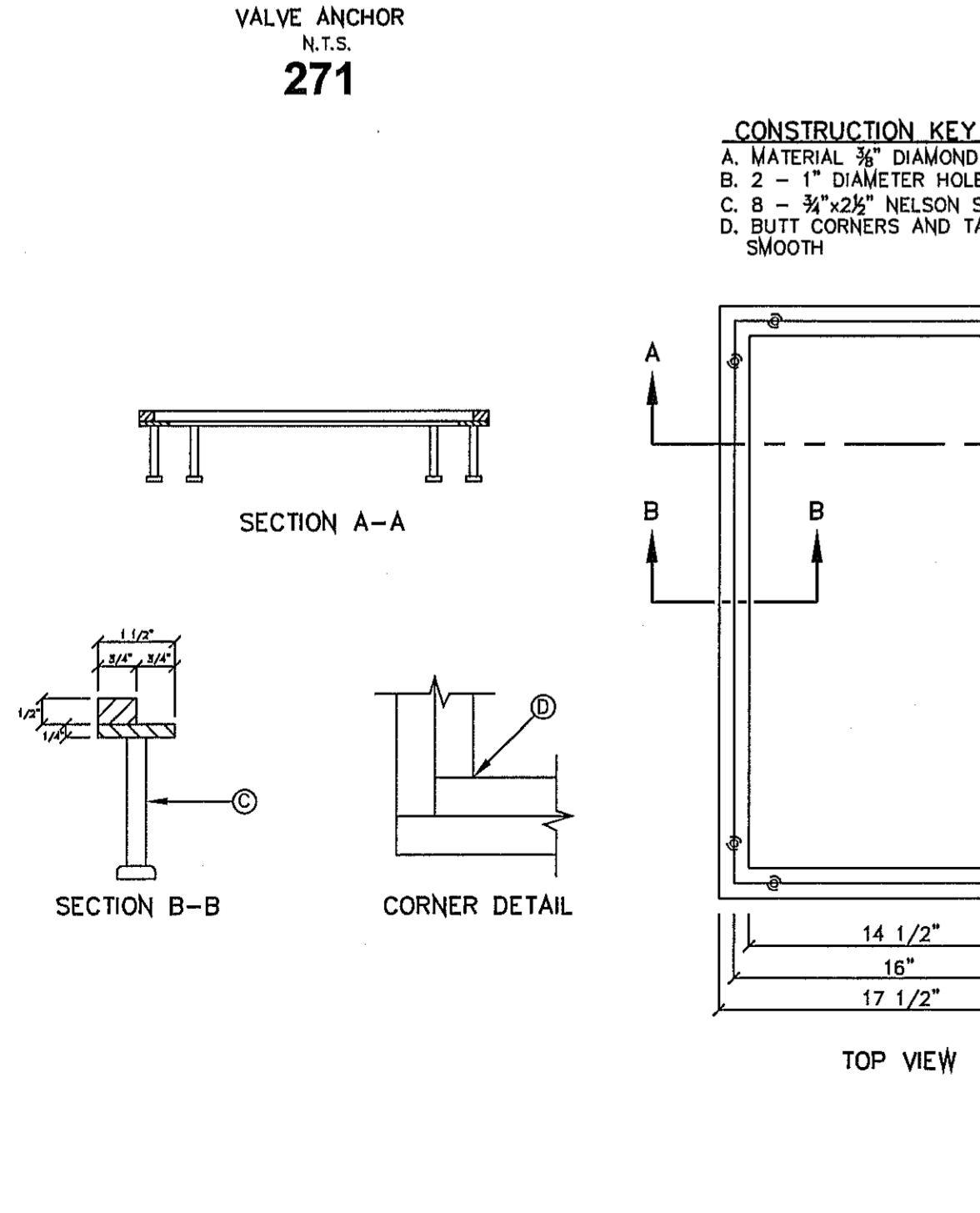


GENERAL NOTES:
 1. NO OBSTRUCTIONS WILL BE PERMITTED WITHIN 5 FT. IN ALL DIRECTIONS OF FIRE HYDRANT (PER EL PASO MUNICIPAL CODE, TITLE 12). FIRE HYDRANT SHALL NOT BE PLACED IN WHEEL CHAIR RAMP OR DRIVEWAY.
 2. FIRE HYDRANT SHALL BE LOCATED AT THE BEGINNING OF CURB RETURN OR AT THE PROPERTY LINE COMMON TO ADJOINING LOTS, UNLESS OTHERWISE SHOWN ON PLANS. REFER TO DETAIL No. 282 FOR SPECIAL CASES.
 3. WHERE DISTANCE IS LESS THAN 7', HYDRANT SHALL BE INSTALLED IN ACCORDANCE WITH DETAIL No. 282.
 4. VALVE MAY BE CONNECTED TO TEE AT MAIN LINE. USE FLANGED MECHANICAL JOINT ENDS WHERE SPOOL IS REQUIRED BETWEEN TEE AND VALVE. USE FLANGED MECHANICAL ENDS WITH 3/4" DIAMETER THE RODS.
 5. COMPLY WITH REQUIREMENTS OF AWWA C-502, DRY BARREL FIRE HYDRANTS AND AWWA C-550, PROTECTIVE EPOXY INTERIOR COATINGS FOR VALVES AND HYDRANTS.
 6. WHEN INSTALLATION IS WITHIN 1'00" RIGHT OF WAY, HYDRANT SHALL NOT BE PLACED IN SIDEWALK AREA OR ANY CLOSER THAN 5' FROM BACK OF CURB.
 7. CONSTRUCTION KEY NOTES:
 A. FIRE HYDRANT PER SPEC'S.
 B. PUMPER NOZZLE 4 1/2" TO BE FACING THE TRAVELED WAY, UNLESS OTHERWISE NOTED IN THE PLANS.
 C. HOSE NOZZLE 2 1/2".
 D. 1/2" PREMOULDED EXPANSION JOINT WITH 1" TOP FILLER.
 E. 3"x3"x6" CONC. SQ. PAD, TO BE CONSTRUCTED AROUND FIRE HYDRANT'S CENTER LINE WHEN NOT LOCATED WITHIN SIDEWALK OR CONC. AREA.
 F. #10; 6/6 WWF.
 G. CONTROLLED ELEVATION LINE, LEVEL IN ALL DIRECTIONS. CONTRACTOR SHALL BE RESPONSIBLE FOR SETTING TOP FLANGE OF THE HYDRANT TO CONTROLLED ELEVATION.
 H. CONC. THRUST BLOCK, APPROX. 2'x2'x3" TO BE POURED AGAINST UNDISTURBED EARTH, F.H. WEEP HOLE MUST BE UNOBSTRUCTED.
 I. 2"x1/4" STEEL ANCHOR PINS.
 J. TOP OF SLAB SHALL BE AT CURB LEVEL 4" BELOW THE BREAK LINE OF THE HYDRANT. UNDER SPECIAL CONDITIONS THE ENGINEER MAY ALLOW VARIATIONS TO THIS CONSTRUCTION.
 K. CONTRACTOR IS TO PROVIDE ADDITIONAL SPOOLS IF NEEDED TO MAINTAIN THE 4' MIN. CLEARANCE FROM THE CONTROLLED ELEV. LINE TO TOP OF SLAB.



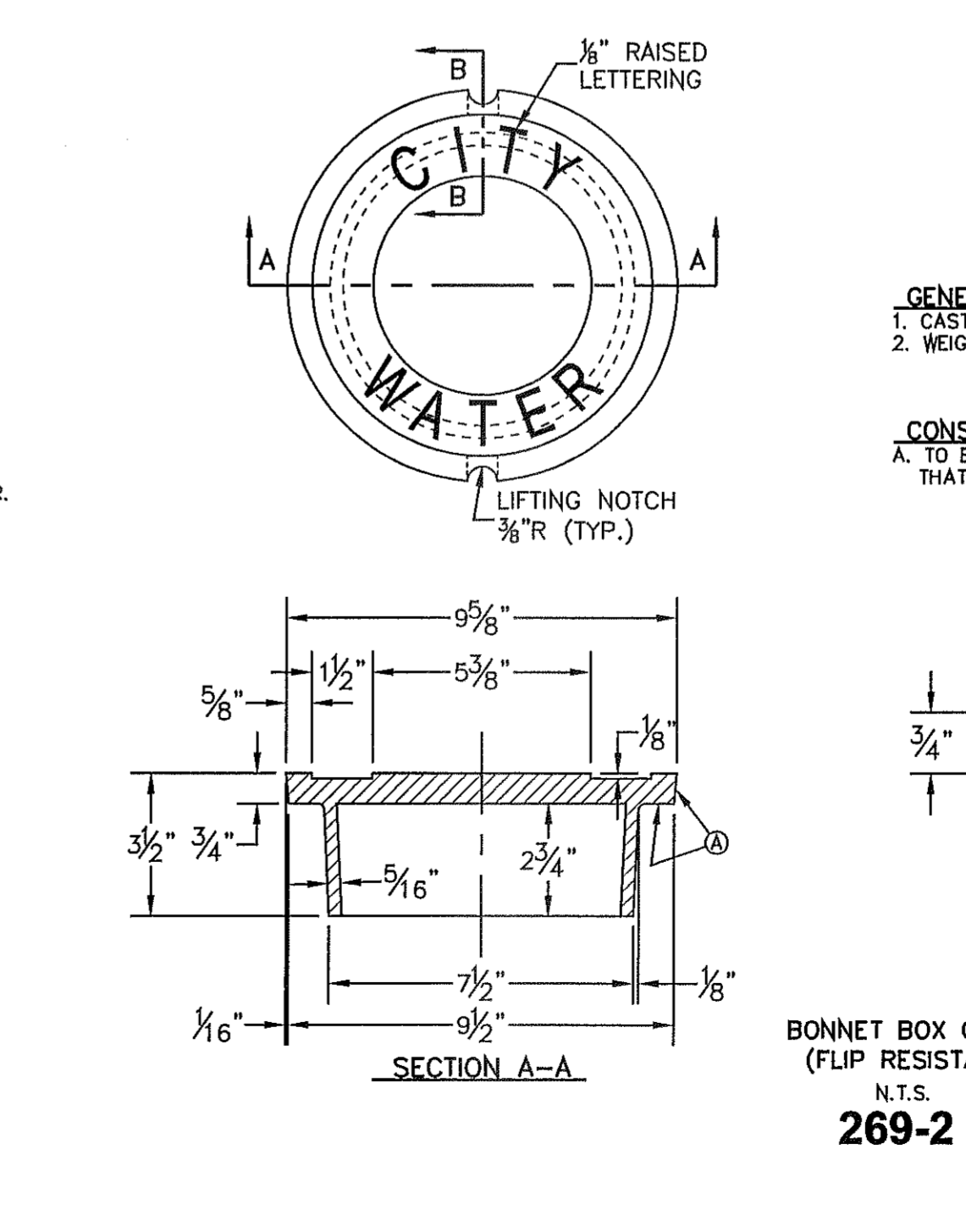
GENERAL NOTES:
 1. CASTING TO BE SMOOTH AND VOID OF AIR HOLES.
 2. WEIGHT OF BONNET BOX IS 95 POUNDS.

CONSTRUCTION KEY NOTES:
 A. TO BE ROUGH GROUND OF ANY IRREGULARITIES THAT WOULD PREVENT A SNUG FIT.



GENERAL NOTES:
 1. DETAIL SHOWN FOR A 3/4" SERVICE, 1" SERVICE INSTALLATION IS SIMILAR EXCEPT FOR SIZES OF PIPE, FITTING, METER AND BOX (TYPE "B").
 2. WHERE NO CURB EXISTS, METER IS TO BE SET NEAR PROPERTY LINE OR AT DESIGNATED LOCATION.
 3. THE CONTRACTOR SHALL FURNISH AND INSTALL ALL NECESSARY PIPE, FITTINGS, AND METER BOXES REQUIRED. IT SHALL BE THE RESPONSIBILITY OF THE PRIVATE OWNER TO HAVE A CERTIFIED PLUMBER INSTALL A BACKFLOW PREVENTER AND EXTEND SERVICE LINE ON DISCHARGE SIDE OF METER.
 4. NO SPOILING SHALL BE ALLOWED. FULL LENGTH OF PIPING SERVICE SHALL BE INSTALLED.
 5. THE EPWU WILL FURNISH AND INSTALL THE METER.

CONSTRUCTION KEY NOTES:
 A. METER BOX TYPE "A" (SEE DETAILS 300 & 301) SHALL BE SET SLIGHTLY HIGHER THAN SURROUNDING GROUND OR AT CURB LEVEL.
 B. 3/4" ANGLE SERVICE VALVE.
 C. WATER METER (CENTER INSIDE METER BOX).
 D. WHEN REQUIRED BY EPWU, A DUAL CHECK BACKFLOW PREVENTER SHALL BE INSTALLED ON THE OUTLET SIDE OF THE METER.
 E. END FLARE OF SERVICE LINE.
 F. INLET AND OUTLET COUPLING.
 G. 3/4" COPPER SERVICE LINE (SEE NOTE 4).
 H. 5/8" x 3/4" CORPORATION STOP.
 I. PRESSURE REGULATOR SOMETIMES LOCATED NEAR THE RESIDENCE.
 J. WATER MAIN.



GENERAL NOTES:
 1. CASTING TO BE SMOOTH AND VOID OF AIR HOLES.
 2. WEIGHT OF COVER IS 18 POUNDS.

CONSTRUCTION KEY NOTES:
 A. TO BE ROUGH GROUND OF ANY IRREGULARITIES THAT WOULD PREVENT A SNUG FIT.

CONDE INC.
 ENGINEERING / PLANNING / SURVEYING / GPS
 6060 SUBURBY DR. STE 100
 EL PASO, TEXAS 79905
 PHONE: (915) 592-0283
 FAX: (915) 592-0286

EL PASO WATER UTILITY
 DETAILS NUMBERS:
 260, 266, 268, 269-2, 270, 271,
 280-1, 281, 290-4, 302

TIERRA DEL ESTE UNIT 76
 BEING PORTION OF SECTION 18, BLOCK 78,
 AND PORTION OF SECTIONS 97 AND 48,
 AND BLOCK 79, TOWNSHIP 2, SURVEYS,
 AND PACIFIC RAILWAY CO. SURVEYS,
 CITY OF EL PASO, EL PASO COUNTY, TEXAS
 CONTAINING: 66.09± ACRES

REVISIONS
 DATE: 03/05/14
 BY: R.R.
 REVISIONS: POND SIZE INCREASE AND SLOPE CHANGE TO 3:1

PROJECT NAME
 TIERRA DEL ESTE UNIT 76

BENCHMARK
 CITY MONUMENT AT THE CENTERLINE INTERSECTION OF
 RALPH SEITZINGER DR. AND GALICIANO PL.
 ELEVATION 4025.83

SCALE
 HORIZ: ---
 VERT: ---

ENGINEER'S SEAL
 ENGINEER'S SEAL NOT REQUIRED. THIS SHEET IS PRODUCED BY THE CITY OF EL PASO, TEXAS DESIGN STANDARDS

DATE: MAY 2013
DESIGN BY: Y.C.
INITIATED BY: R.R.
CHECKED BY: Y.C.
JOB NO.: 113-05

ENGINEER'S SEAL
 ENGINEER'S SEAL NOT REQUIRED. THIS SHEET IS PRODUCED BY THE CITY OF EL PASO, TEXAS DESIGN STANDARDS

CONDE INC.
 ENGINEERING / PLANNING / SURVEYING / GPS
 6060 SUBURBY DR. STE 100
 EL PASO, TEXAS 79905
 PHONE: (915) 592-0283
 FAX: (915) 592-0286

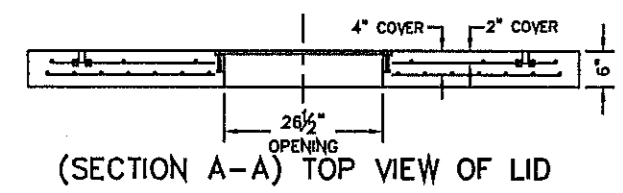
WATER DETAILS

SHEET TITLE

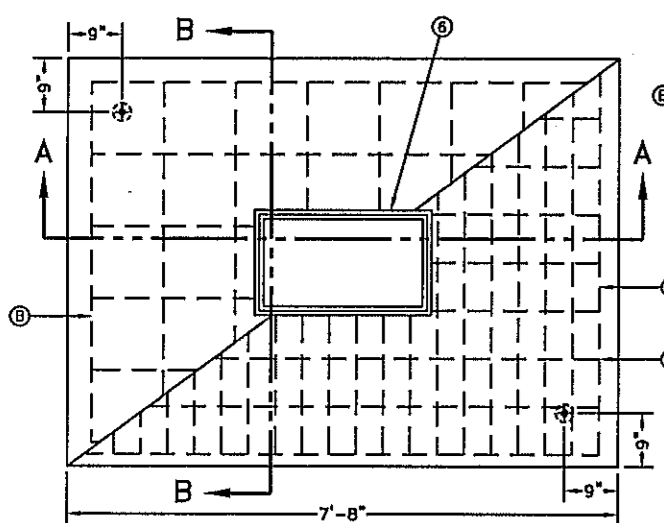
EL PASO WATER UTILITY
 DETAILS NUMBERS:
 260, 266, 268, 269-2, 270, 271,
 280-1, 281, 290-4, 302

SHT 62 OF 72

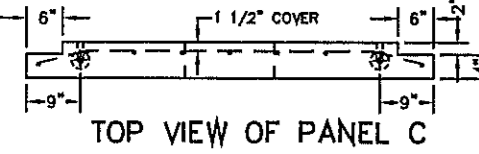
FILE LOCATION s:_Subdivisions\TDE 76 DWG\W&S NOTES AND DETAILS PLOTTED ON Tuesday, September 16, 2014 1:08:35 PM BY RUBEN RIVERA



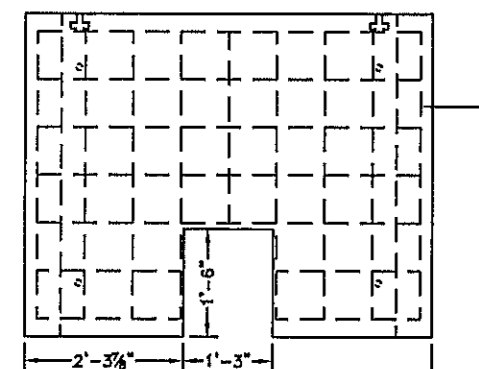
(SECTION A-A) TOP VIEW OF LID



FRONT VIEW OF LID

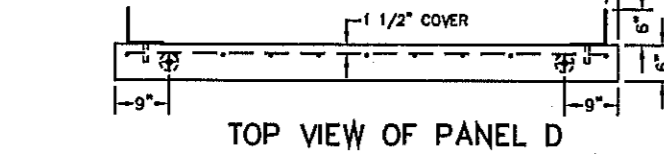


TOP VIEW OF PANEL C

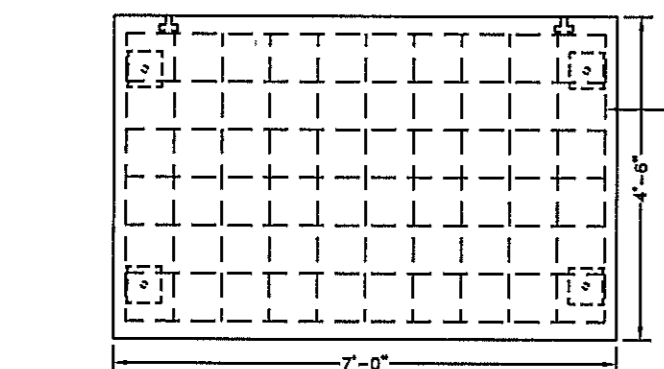


FRONT VIEW OF PANEL C

(SECTION B-B) SIDE VIEW



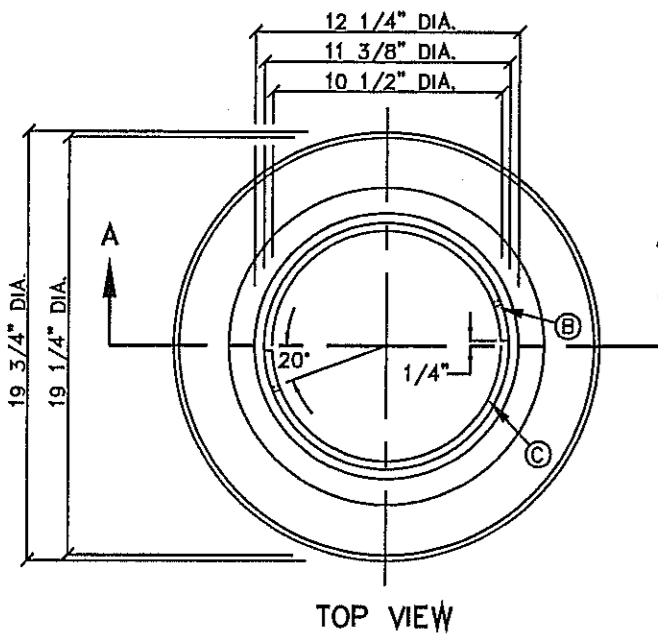
TOP VIEW OF PANEL D



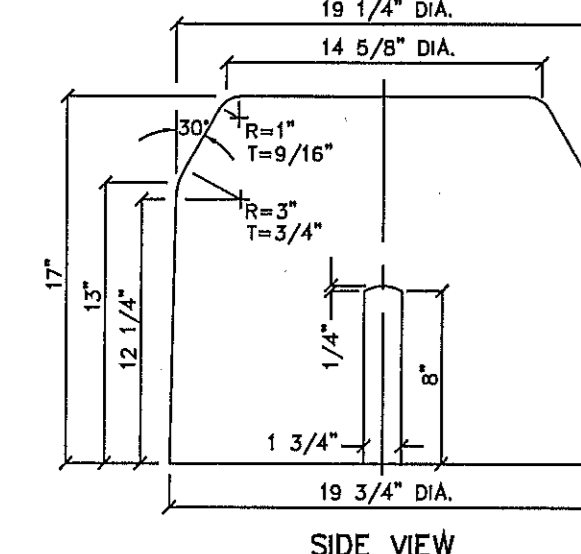
FRONT VIEW OF PANEL D

METER BOX TYPE "E" FOR 3" AND LARGER SERVICE INSTALLATION N.T.S.

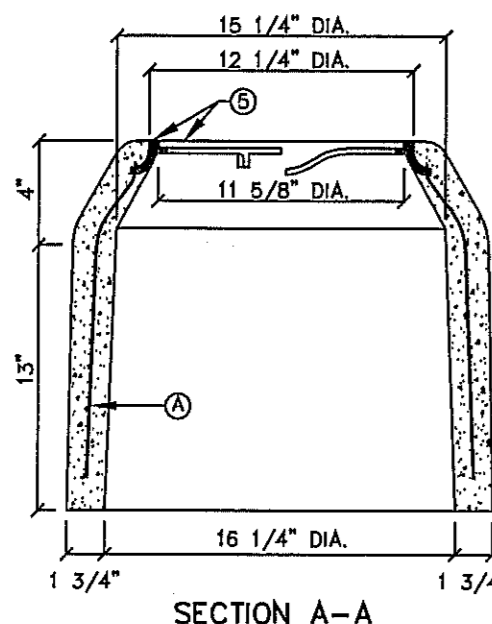
295-1



TOP VIEW



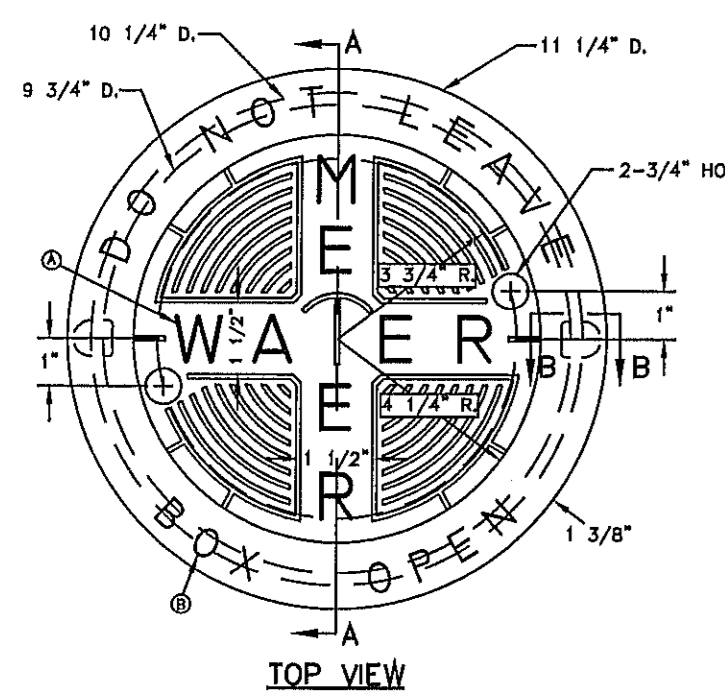
SIDE VIEW



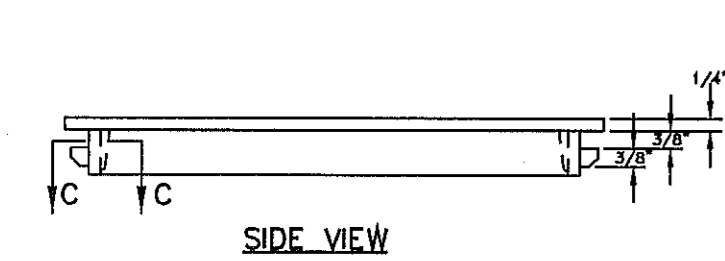
SECTION A-A

METER BOX TYPE "A" FOR 3/4" SERVICE INSTALLATION N.T.S.

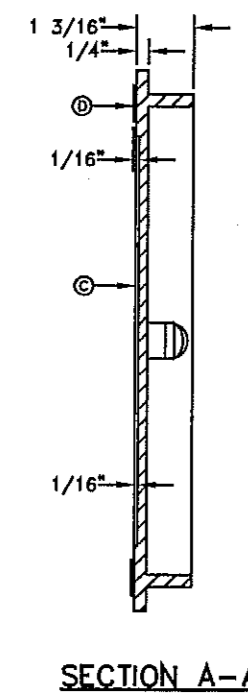
291



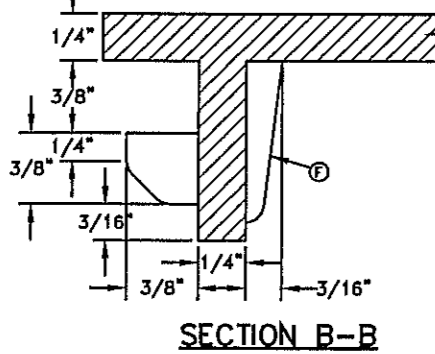
TOP VIEW



SIDE VIEW



SECTION A-A



SECTION B-B

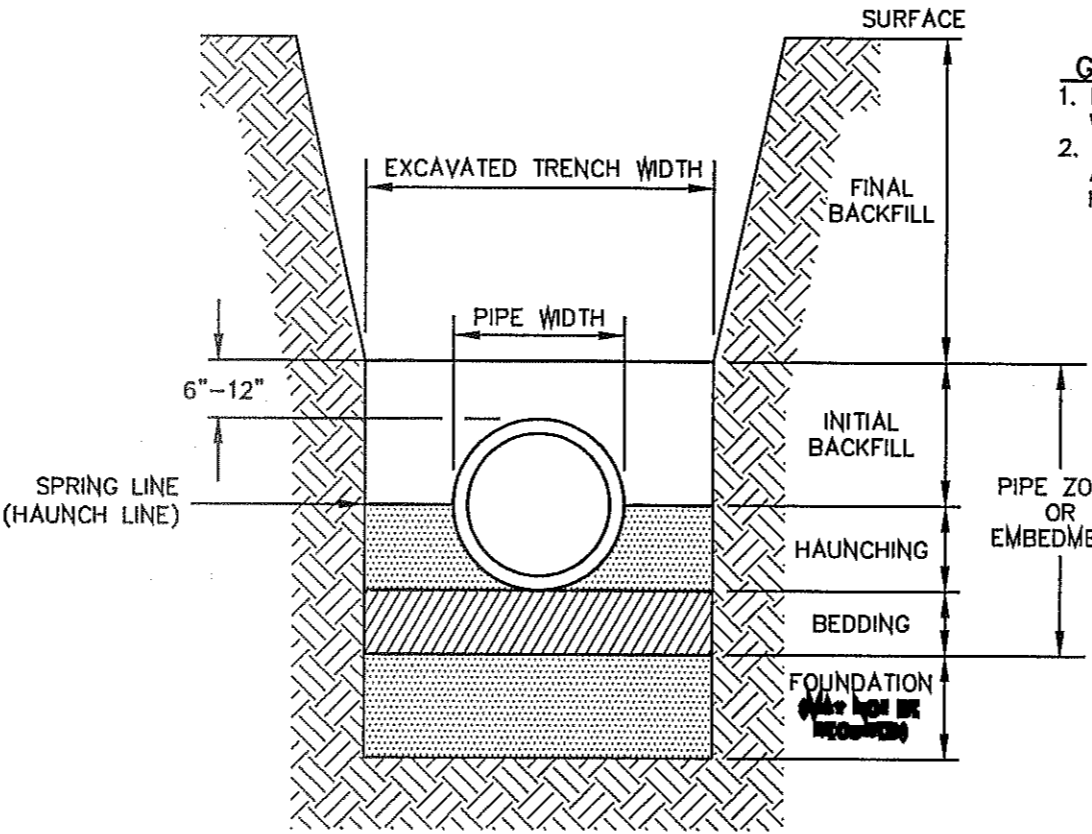
METER BOX COVER FOR TYPE "A" & "B" METER BOXES N.T.S.

301

- GENERAL NOTES:**
1. WATER CEMENT RATIO 0.5 OR LESS BY WEIGHT OR NOT MORE THAN 5.5 GALLONS PER SACK.
 2. REINFORCING SHALL COMPLY WITH ASTM A615 GRADE 60 STEEL F_y=60000 PSI.
 3. BAR BENDING AND PLACEMENT TO COMPLY WITH LATEST ACI STANDARDS.
 4. LIFTERS FOR HANDLING SHALL BE INSTALLED PER MANUFACTURER'S REQUIREMENTS AND RATED TO HANDLE THE WEIGHT.
 5. METER BOX SHALL BE MODULAR; CONCRETE TO HAVE A MINIMUM 28 DAYS COMPRESSIVE STRENGTH OF 4000 PSI.

CONSTRUCTION KEY NOTES:

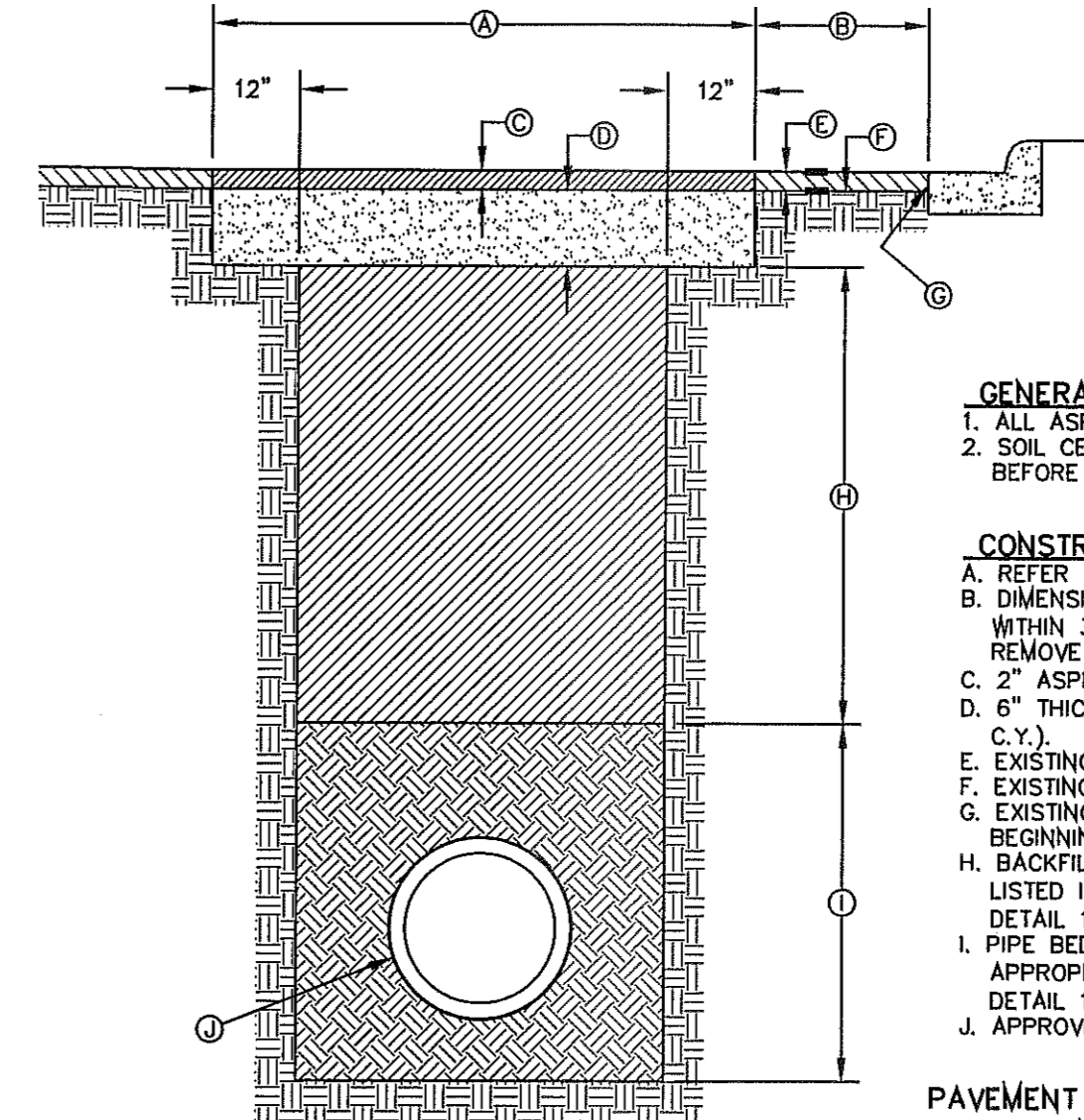
- A. No. 4 REBAR AT 8" ON CENTER, BOTH WAYS.
- B. No. 4 REBAR AT 12" ON CENTER, BOTH WAYS (TOP LAYER).
- C. No. 4 REBAR AT 8" ON CENTER, LONG SPAN (BOTTOM LAYER).
- D. No. 5 REBAR AT 4 1/2" ON CENTER, SHORT SPAN (BOTTOM LAYER).
- E. METER BOX FRAME (SEE DETAIL 302), INTEGRALLY CAST & CENTERED ON LID. SET FRAME SO COVER (SEE DETAIL 302) IS FLUSH WITH TOP SURFACE OF LID.



TRENCH CROSS SECTION TERMINOLOGY N.T.S.

170

- GENERAL NOTES:**
1. DETAIL DRAWING TERMINOLOGY IS IN ACCORDANCE WITH ASTM D-2321.
 2. UNLESS OTHERWISE PERMITTED BY THE ENGINEER, ALL MATERIAL IN THE EMBEDMENT ZONE SHALL BE HOMOGENOUS.



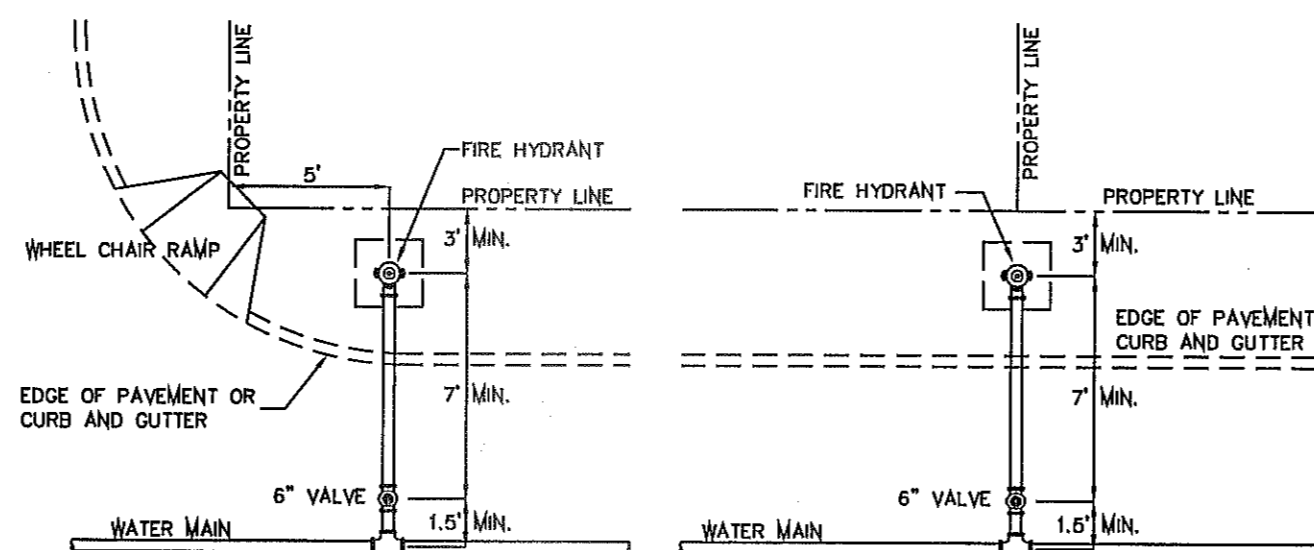
- GENERAL NOTES:**
1. ALL ASPHALT CUTS MUST BE SAW CUT.
 2. SOIL CEMENT SLURRY SHALL BE ALLOWED TO CURE BEFORE PAVING OR OPENING TO ALL TRAFFIC.

CONSTRUCTION KEY NOTES:

- A. REFER TO SPECS FOR LIMIT OF PAVING WIDTH.
- B. DIMENSION VARIES. WHERE GUTTER FACE, ETC. IS WITHIN 3' OF SAW CUT EDGE, CONTRACTOR SHALL REMOVE & REPLACE EXISTING HMA/C IN THIS AREA.
- C. 2" ASPHALT MIN.
- D. 6" THICK SOIL CEMENT BACKFILL (2 SACK PER C.Y.).
- E. EXISTING HMA/C-THICKNESS MAY VARY.
- F. EXISTING BASE COURSE-THICKNESS MAY VARY.
- G. EXISTING GUTTER FACE, EDGE OF PAVEMENT OR BEGINNING OF SHOULDER.
- H. BACKFILL DEPTH VARIES. REFER TO REQUIREMENTS LISTED IN EMBEDMENT DETAILS (DETAIL 171 THRU DETAIL 173).
- I. PIPE BEDDING AS SPECIFIED, REFER TO APPROPRIATE EMBEDMENT DETAIL (DETAIL 171 THRU DETAIL 173).
- J. APPROVED PIPE.

PAVEMENT REPLACEMENT N.T.S.

179



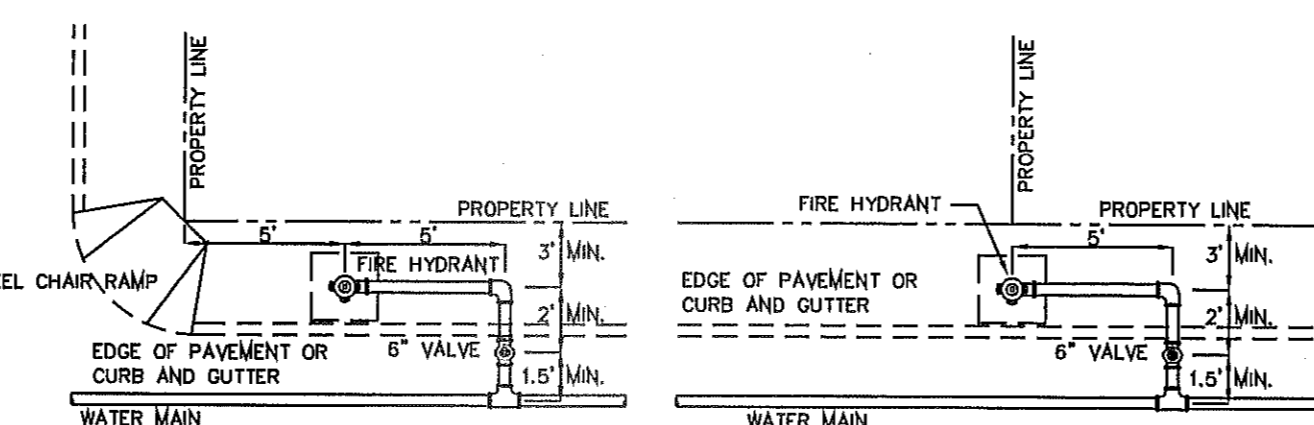
CASE 1

CASE 2

STANDARD LOCATIONS

GENERAL NOTES:

1. FOR CASE 1 FIRE HYDRANT SHALL BE LOCATED AT A DISTANCE OF 5 FT. MINIMUM FROM THE PROPERTY LINE OR AT THE BEGINNING OF CURB RETURN.
2. FOR CASE 2 FIRE HYDRANT SHALL BE LOCATED AT THE PROPERTY LINE COMMON TO ADJOINING LOTS.
3. FOR CASE 3 AND IV WHERE THE DISTANCE BETWEEN THE VALVE AND THE HYDRANT IS LESS THAN 7 FT. PLACE HYDRANT AS SHOWN.
4. FOR INSTALLATION OF FIRE HYDRANT SEE DETAIL 280-1 OR 280-2.
5. A MINIMUM CLEARANCE OF 3 FT. WILL BE PROVIDED BETWEEN A FIRE HYDRANT AND A PERMANENT OBSTRUCTION (UTILITY POLE, LIGHT STANDARD, TRAFFIC SIGNAL, WHEEL CHAIR RAMP, FENCE PROTECTIVE POSTS, ETC.).
6. WHEN INSTALLATION IS WITHIN 10 FT. RIGHT OF WAY, HYDRANT SHALL NOT BE PLACED IN SIDEWALK AREA OR ANY CLOSER THAN 5' FROM BACK OF CURB.

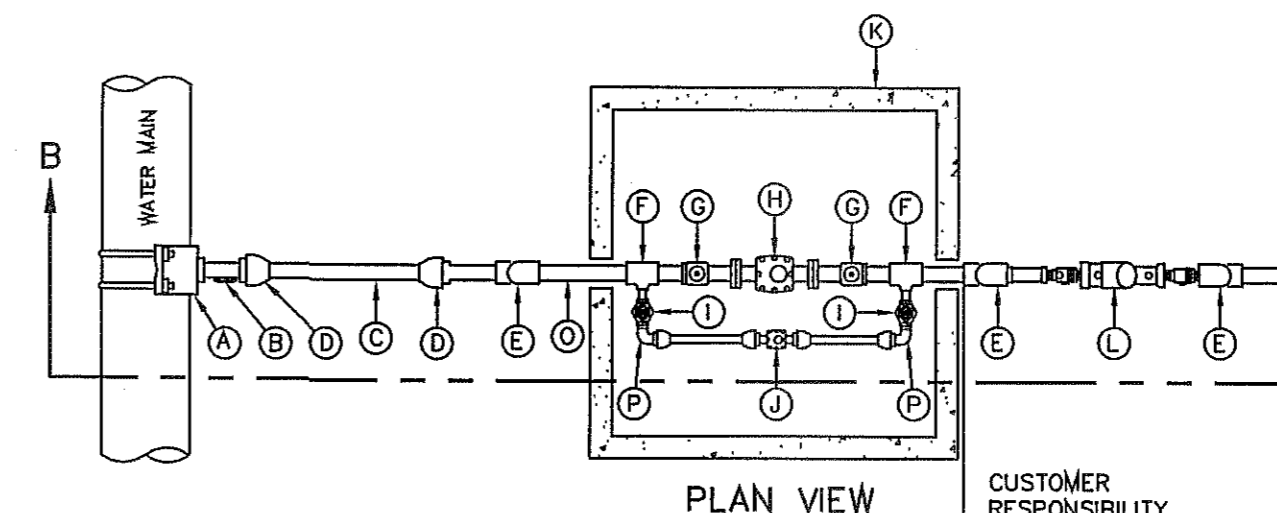


CASE 3

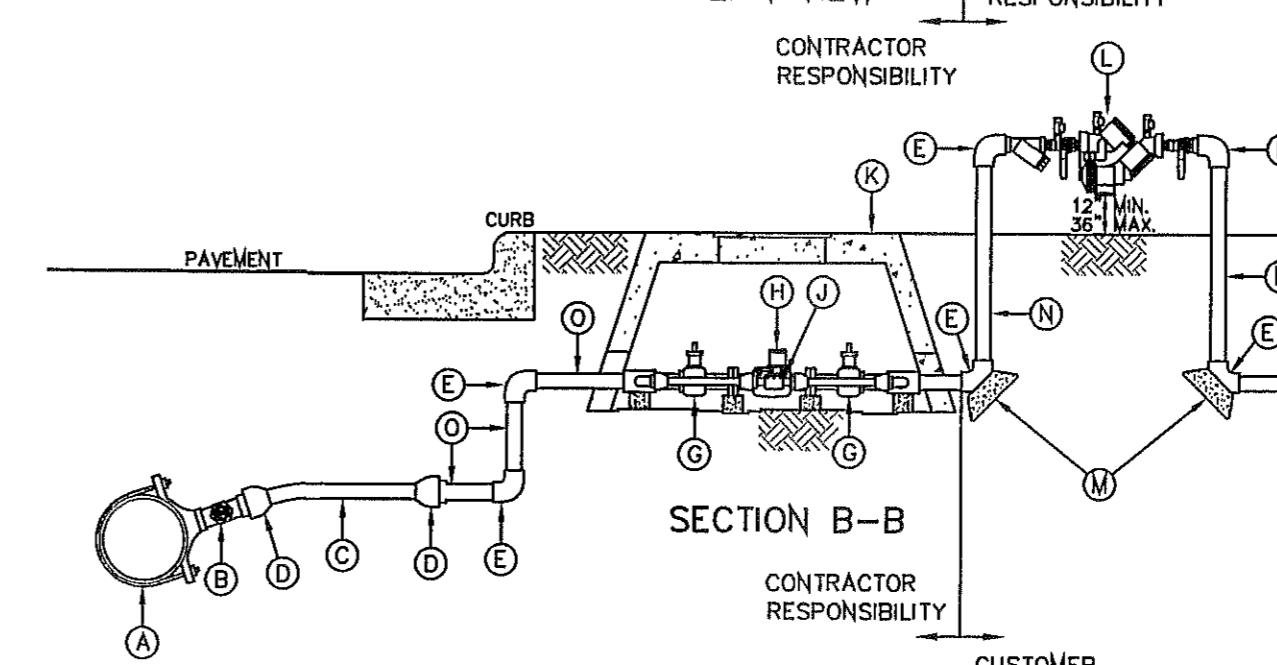
CASE 4

FIRE HYDRANT LOCATIONS N.T.S.

282



PLAN VIEW



SECTION B-B

SERVICE LINE 1 1/2" AND 2" INSTALLATION BY CONTRACTOR N.T.S.

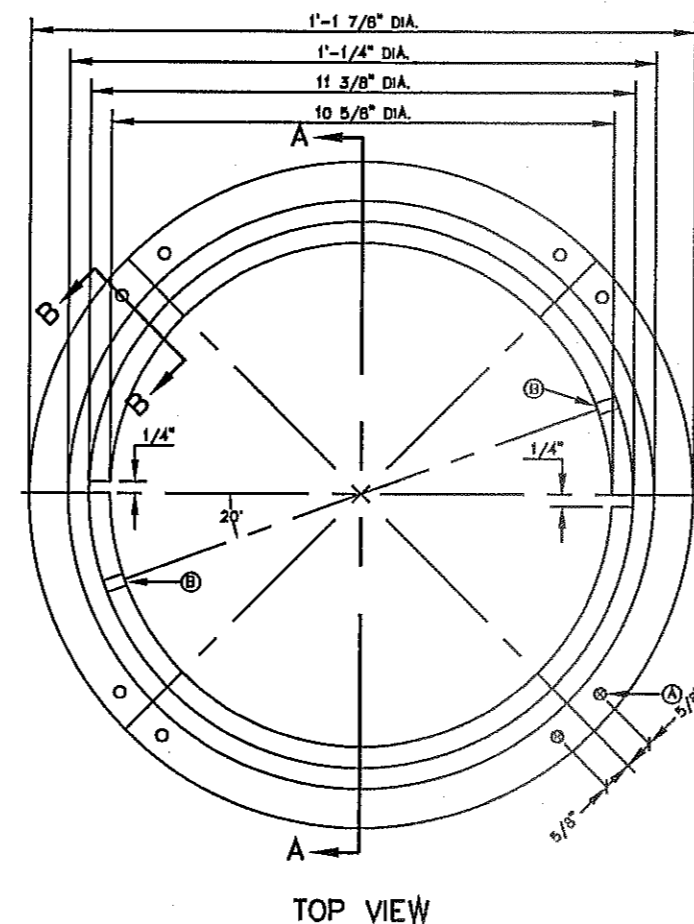
290-5

GENERAL NOTES:

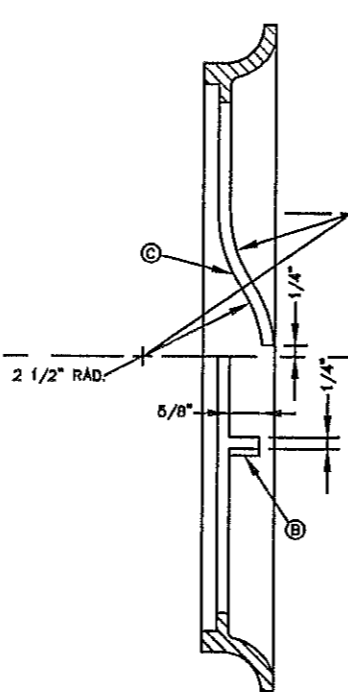
1. MATCHING SURFACES TO BE FINISHED OF ANY IRREGULARITIES THAT WOULD PREVENT A SNUG FIT.
2. CASTING TO BE SMOOTH AND VOID OF AIR HOLES.
3. METER BOX RING WEIGHT = 7 LBS.
4. METER BOX RING MADE OF CAST IRON.

CONSTRUCTION KEY NOTES:

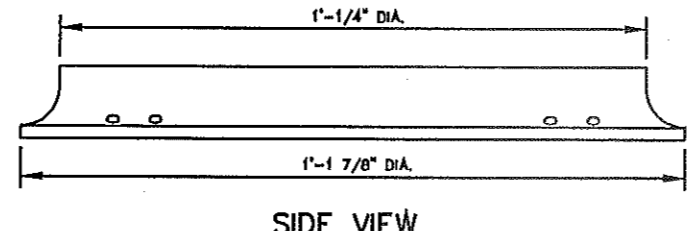
- A. 3/4" DIAMETER HOLES FOR ANCHORING RING TO CONCRETE METER BOX.
- B. LUG STOP.
- C. LOCKING LUG SLIDE.



TOP VIEW



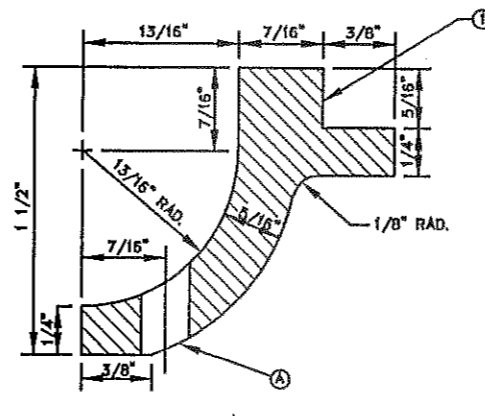
SECTION A-A



SIDE VIEW

METER BOX RING FOR TYPE "A" & "B" METER BOXES N.T.S.

300



SECTION B-B

GENERAL NOTES:

1. DETAIL SHOWN FOR 1 1/2" SERVICE; INSTALLATION SIMILAR FOR 2" SERVICE EXCEPT FOR SIZES OF PIPE, FITTINGS, METER AND METER BOX. WHEN SPECIFIED A 1" BY-PASS METER SHALL BE INSTALLED WITH A 1 1/2" SERVICE. A 2" SERVICE SHALL INCLUDE A 1" BY-PASS METER.
2. WHERE NO CURB EXISTS, METER IS TO BE SET NEAR PROPERTY LINE OR AT DESIGNATED LOCATION.
3. THE CONTRACTOR SHALL FURNISH AND INSTALL ALL NECESSARY PIPE, FITTINGS, AND METER BOXES REQUIRED. IT SHALL BE THE RESPONSIBILITY OF THE PRIVATE OWNER TO HAVE A CERTIFIED PLUMBER INSTALL A BACKFLOW PREVENTER AND EXTEND SERVICE LINE ON DISCHARGE SIDE OF METER.
4. THE EPWU WILL FURNISH AND INSTALL THE METER.

CONSTRUCTION KEY NOTES:

- A. SERVICE SADDLE.
- B. 1 1/2" TAP WITH CORPORATION STOP.
- C. 1 1/2" COPPER PIPE. FOR 1 1/2" & 2" SERVICE INSTALLATIONS, ALL PIPING SHALL BE COPPER AND ALL FITTINGS SHALL BE BRONZE UNLESS OTHERWISE SPECIFIED.
- D. 1 1/2" FLARED CONNECTION.
- E. 1 1/2" FEMALE THREADED 90° ELBOW.
- F. 1 1/2" x 1" FEMALE THREADED TEE.
- G. 1 1/2" FLANGED BY FEMALE THREADED GATE VALVE.
- H. 1 1/2" TURBINE METER.
- I. 1" FEMALE THREADED CURB VALVE.
- J. 1" BY-PASS METER.
- K. METER BOX TYPE "C" (SEE DETAIL 293) FOR 1 1/2" OR TYPE "D" (SEE DETAIL 294) FOR 2".
- L. 1 1/2" BACKFLOW PREVENTER WHEN REQUIRED BY EPWU.
- M. THRUST BLOCKING AS REQUIRED.
- N. 1 1/2" BRASS PIPE-LENGTH AS REQUIRED.
- O. 1 1/2" THREADED NIPPLE.
- P. 1" FLARED BY MALE THREADED 90° ELBOW.

BENCHMARK	
CITY MONUMENT AT THE CENTERLINE INTERSECTION OF RALPH SETTSINGER DR. AND GALICENO PL. ELEVATION 4095.83	NAVD83 DATUM
DATE	REVISIONS
03/06/14	POND FIZE INCREASE AND SLOPE CHANGE TO 3:1
	R.R.

PROJECT NAME
TIERRA DEL ESTE UNIT 76
 BEING PORTION OF SECTION 18, BLOCK 78, AND PORTION OF SECTIONS 37 AND 48, BLOCK 79, TOWNSHIP 2, SURVEYS, AND PACIFIC RAILWAY CO. SURVEYS, CITY OF EL PASO, EL PASO COUNTY, TEXAS
 CONTAINING: 86.09± ACRES

SCALE	HORIZ: ---	VERT: ---
ENGINEER'S SEAL	DATE: MAY 2013	DESIGNED BY: Y.C.
ENGINEER'S SEAL	INITIATED BY: R.R.	CHECKED BY: Y.C.
ENGINEER'S SEAL	DESIGN STANDARDS	JOB NO.: 113-95

CONDE INC.
 ENGINEERING / PLANNING / SURVEYING / GPS
 6080 SURETY DR. STE 100
 EL PASO, TEXAS 79905
 PHONE: (915) 592-0283
 FAX: (915) 592-0286



SHEET TITLE

WATER DETAILS

EL PASO WATER UTILITY
DETAILS NUMBERS:
 170, 179, 282, 290-5, 291,
 295-1, 300, 301

FILE LOCATION: \Subdivisions\TDE 76.DWG W&S NOTES AND DETAILS PLOTTED ON Tuesday, September 16, 2014 1:08:38 PM BY RUBEN RIVERA

WATER AND SEWER NOTES

1. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE TCEQ AND EL PASO WATER UTILITIES DESIGN STANDARDS AND SPECIFICATIONS WHEN CONFLICTS ARE NOTED WITH LOCAL STANDARDS, THE MORE STRINGENT SHALL BE APPLIED. CONSTRUCTION FOR PUBLIC WATER SYSTEMS MUST ALWAYS, AT A MINIMUM, MEET TCEQ'S RULES AND REGULATIONS FOR PUBLIC WATER SYSTEMS.
2. PRIOR TO BEGINNING CONSTRUCTION, THE OWNER OR HIS/HER AUTHORIZED REPRESENTATIVE SHALL CONVENE A PRE-CONSTRUCTION CONFERENCE BETWEEN THE CONSULTING ENGINEER'S REPRESENTATIVE, CONTRACTOR(S), P&S ENGINEER, EL PASO COUNTY (IF APPROPRIATE), THE P&S AND ANY OTHER AFFECTED PARTIES. NOTIFY ALL SUCH PARTIES AT LEAST 48 HOURS PRIOR TO THE TIME OF THE CONFERENCE AND 48 HOURS PRIOR TO THE BEGINNING OF CONSTRUCTION.
3. THE CONTRACTOR SHALL GIVE THE ENGINEER, CITY, AND THE P&S A MINIMUM OF 48 HOURS NOTICE BEFORE BEGINNING EACH PHASE OF CONSTRUCTION. PUBLIC WATER AND SEWER UTILITY WORK, INCLUDING TIE-INS SHALL NOT BE PERFORMED UNTIL A DEVELOPMENT AGREEMENT HAS BEEN EXECUTED BETWEEN THE OWNER AND EPWU-P&S. WORK SHALL BE COORDINATED WITH EPWU-P&S FIELD ENGINEER AT LEAST 48 HOURS PRIOR TO COMMENCING ANY PUBLIC UTILITY WORK.
4. ANY EXISTING PAYMENT, CURBS AND/OR SIDEWALKS DAMAGED OR REMOVED WILL BE REPAIRED BY THE CONTRACTOR AT HIS OWN EXPENSE BEFORE ACCEPTANCE OF THE WORK.
5. THE LOCATION OF ANY WATER AND/OR WASTEWATER LINES TO BE CROSSED OR CONNECTED TO SHALL BE VERIFIED BY THE CONTRACTOR AT THE TIME OF COMMENCEMENT OF CONSTRUCTION.
6. CONTRACTORS SHALL VERIFY EXACT DEPTH AND LOCATION OF ALL UTILITIES PRIOR TO BEGINNING CONSTRUCTION. ANY DAMAGE TO EXISTING UTILITIES, DRIVEWAYS, PAVEMENT, CURB & GUTTER, SIDEWALKS, ETC. SHALL BE REPAIRED BY THE CONTRACTOR, OR THE UTILITY, AT UTILITIES OPTION, AND CONTRACTOR, OR THE UTILITY, AT UTILITIES OPTION, AND SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
7. ALL WATER MAINS SHALL HAVE A MINIMUM 48 INCHES OF COVER FROM FINISHED GRADE OR 40 INCHES BELOW ACTUAL SUBGRADE UNLESS OTHERWISE SPECIFIED ON THE PLANS.
8. CONTACT THE EL PASO WATER UTILITIES AND ANY OTHER CONCERNED PARTIES 48 HOURS PRIOR TO CONNECTING TO EXISTING WATER AND/OR WASTEWATER LINES.
9. ALL FILL AREAS OVER ALL UTILITIES, SHALL BE COMPACTED TO 96 % STANDARD PROCTOR DENSITY IN ACCORDANCE WITH TEX 113-E METHOD.
10. WATER AND WASTEWATER ALIGNMENTS SHOWN ON THE PLANS SHOULD BE ACHIEVED BY DEFLECTION WITHIN THE MANUFACTURER'S SPECIFICATIONS, EXCEPT WHERE SPECIFIC FITTINGS ARE CALLED FOR THE PLANS.
11. IT IS THE CONTRACTOR'S RESPONSIBILITY TO LOCATE AND PROTECT ALL EXISTING UTILITIES SUCH AS GAS LINES, ELECTRIC LINES, WATERLINES, VALVE BOXES, FIRE HYDRANTS, STRUCTURES, AND OTHER APPURTENANCES THAT LIE WITHIN THE RIGHT-OF-WAY OR EASEMENTS. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO REPAIR ALL UTILITIES, DRIVEWAYS, PAVEMENT, CURB, GUTTER, SIDEWALKS, FENCES AND OTHER ITEMS DAMAGED DURING CONSTRUCTION REGARDLESS OF WHETHER ALL ITEMS ARE SHOWN ON THE PLANS AT HIS SOLE EXPENSE. IN ADDITION TO NORMAL PRECAUTIONS WHEN EXCAVATING, TAKE EXTRA CAUTION WHEN EXCAVATING WITHIN 25 FT. OF ANY UTILITIES SHOWN ON THE PLANS.
12. THE CONTRACTOR SHALL INCLUDE ADDITIONAL FLUSHING VALVES AND TEST CONNECTIONS NECESSARY TO PERFORM TEST AND STERILIZATION OPERATION.
13. ALL CONSTRUCTION ACTIVITIES, INCLUDING ACCESS, EGRESS, TRAVEL, STOCKPILING, ETC. ARE TO BE CONFINED TO AREAS IDENTIFIED BY THE ENGINEER.
14. DISPOSAL OF ALL SPOIL OFFSITE WILL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
15. PIPE FITTINGS AND JOINTS: WATER PIPE-PVC DSR 14, C-900, C1-350 WITH BOLTED GASKETED JOINTS AND C.I., M.J. OR FLANGED PIPE FITTINGS UNLESS OTHERWISE SHOWN ON THE PLANS; FLUSHING VALVE / FIRE HYDRANT LEAD - DUCTILE IRON, CLASS 60, MECHANICAL JOINTS AND C.I. (D.L. ENDS) FITTINGS, UNLESS OTHERWISE SHOWN ON THE PLANS; GRAVITY SEWER - PVC DSR 36 AND DSR 26 UNLESS OTHERWISE NOTED. ALL PIPES, FITTINGS, VALVES, HYDRANTS, AND OTHER APPURTENANCES TO BE USED ON THE INSTALLATION OF PUBLIC SYSTEMS SHALL CONFORM TO THE MATERIALS AND DIMENSIONS SPECIFIED ON CURRENT EPWU-P&S STANDARD DETAILS.
16. ALL GATE VALVES SHALL HAVE RESILIENT VALVE SEATS.
17. AT ALL LOCATIONS WHERE A WATERLINE CROSSES A WASTEWATER LINE, THE CONSTRUCTION SHALL STRICTLY COMPLY WITH ALL APPLICABLE RULES AND REGULATIONS OF THE TCEQ, TCEQ SPECIFICATIONS FOR LOCATION OF WATERLINES AS REQUIRED IN TITLE 30 TAC, CHAPTER 290.44(c) (RULES AND REGULATIONS FOR PUBLIC WATER SYSTEMS) ARE MINIMUM REQUIREMENTS.
18. THE CONTRACTOR SHALL FURNISH THE ENGINEER ONE SET OF AS-BUILT PLANS REFLECTING ALL CHANGES MADE IN THE FIELD, AND TWO MEASUREMENTS TO ALL VALVES AND MANHOLES INSTALLED FROM PERMANENT OBJECTS.
19. THE P&S AND THE ENGINEER SHALL BE GIVEN 48 HOURS NOTICE PRIOR TO ANY TESTING PHASE (DENSITY, PRESSURE, LEAKAGE, ETC.)
20. MANHOLE CONSTRUCTION AND REHABILITATION: ALL MANHOLES ARE WATERTIGHT, WITH WATERTIGHT RINGS AND COVERS. IF MANHOLES ARE WITHIN THE 100-YEAR FLOODPLAIN THE MANHOLE COVERS SHALL HAVE GASKETS AND BE BOLTED. WHERE GASKETED MANHOLE COVERS ARE REQUIRED FOR MORE THAN THREE MANHOLES IN SEQUENCE, ALTERNATE MEANS OF VENTING SHALL BE PROVIDED. BRICKS ARE NOT AN ACCEPTABLE CONSTRUCTION MATERIAL FOR ANY PORTION OF THE MANHOLE PER 30 TAC §6317.2 (6)(F).
21. CONSTRUCTION OF PUBLIC WATER AND SEWER SYSTEM INCLUDING MATERIALS AND TESTING SHALL CONFORM WITH EPWU-P&S STANDARD SPECIFICATIONS FOR THE INSTALLATION OF WATER MAINS, SANITARY SEWER MAIN AND RELATED APPURTENANCES.

ALL MANHOLES MUST BE TESTED TO MEET OR EXCEED THE FOLLOWING REQUIREMENTS:

MANHOLES AND WET WELLS MUST BE TESTED SEPARATELY AND INDEPENDENTLY OF THE COLLECTION LINES. ALL MANHOLES MUST BE HYDROSTATICALLY TESTED WITH A MAXIMUM LOSS ALLOWANCE OF 0.065 GALLON PER FOOT DIAMETER PER FOOT OF HEAD PER HOUR. OTHER TESTING METHODS, SUCH AS VACUUM TESTING, MAY BE APPROVED ON A CASE-BY-CASE BASIS BY THE EXECUTIVE DIRECTOR OF THE TCEQ.

22. ALL 8" SEWER LINES SHALL BE TESTED USING THE FOLLOWING METHOD:
 - A. ALL LOW PRESSURE AIR SHALL CONFORM TO THE PROCEDURES DESCRIBED IN ASTM C-828, ASTM C-924, OR OTHER APPROPRIATE PROCEDURES. THE TIME FOR THE PRESSURE TO DROP SHALL BE AT LEAST AS STRINGENT AS THE REQUIREMENTS OF TCEQ RULES SECTION 317.2(A)(4)(B) DESCRIBED BELOW.

FOR SECTIONS OF PIPE UP TO 36-INCHES AVERAGE INSIDE DIAMETER MINIMUM TIME ALLOWABLE FOR THE PRESSURE TO DROP FROM 3.5 POUND PER SQUARE INCH GAUGE TO 2.5 POUNDS PER SQUARE INCH GAUGE SHALL BE COMPUTED FROM THE FOLLOWING EQUATION:

$$t = \frac{0.0860(D)(K)}{Q} \text{ WHERE } t = \text{TIME FOR PRESSURE TO DROP 1.0 POUND PER SQUARE INCH GAUGE IN SECONDS}$$

$$K = 0.00419(D)(L), \text{ BUT NOT LESS THAN } 1.0$$

$$D = \text{AVERAGE INSIDE DIAMETER IN INCHES}$$

$$L = \text{LENGTH OF LINE IN FEET OF SAME SIZE BEING TESTED}$$

$$Q = \text{RATE OF LOSS, } 0.0016 \text{ CUBIC FEET PER MINUTE PER SQUARE FOR INTERNAL SURFACE SHALL BE USED.}$$

SINCE A K VALUE OF LESS THAN 1.0 SHALL NOT BE USED, THERE ARE MINIMUM TIMES FOR EACH PIPE DIAMETER AS OUTLINED BELOW:

PIPE DIA. (IN)	MIN. TIME (SEC)	LEN. FOR MIN (FT)	TIME FOR LONGER LENGTH (SEC)
6	340	398	0.856 (L)
8	464	298	1.520 (L)
10	667	239	2.374 (L)
12	680	189	3.419 (L)
16	860	159	5.342 (L)
18	1020	133	7.693 (L)
21	1190	114	10.471 (L)
24	1380	100	13.876 (L)
27	1630	88	17.309 (L)
30	1700	80	21.369 (L)
33	1870	72	25.866 (L)

- ALL INFILTRATION/EXFILTRATION TESTS SHALL MEET THE FOLLOWING MINIMUM REQUIREMENTS. THE TOTAL INFILTRATION OR EXFILTRATION, AS DETERMINED BY WATER TEST, MUST BE AT A RATE NOT GREATER THAN 60 GALLONS PER INCH OF PIPE DIAMETER PER MILE OF PIPE PER 24 HOURS AT A MINIMUM TEST HEAD OF TWO FEET. IF THE QUANTITY OF INFILTRATION OR EXFILTRATION EXCEEDS THE MAXIMUM QUANTITY SPECIFIED, REMEDIAL ACTION MUST BE UNDERTAKEN IN ORDER TO REDUCE THE INFILTRATION OR EXFILTRATION TO AN AMOUNT WITHIN THE LIMITS SPECIFIED IN 30 TAC §63 317.2 (A)(4)(A).

- DEFLECTION TEST SHALL BE PERFORMED ON ALL FLEXIBLE AND SEMI-RIGID PIPES. THE TEST SHALL BE CONDUCTED AFTER THE FINAL BACKFILL HAS BEEN IN PLACE AT LEAST 30 DAYS. NO PIPE SHALL EXCEED A DEFLECTION OF FIVE PERCENT. IF THE DEFLECTION TEST IS TO BE RUN USING A RIGID BALL OR MANDREL, SUCH TEST DEVICES SHALL HAVE A DIAMETER EQUAL TO 90% OF THE INSIDE DIAMETER OF THE PIPE. THE TESTS SHALL BE PERFORMED WITHOUT MECHANICAL PULLING DEVICES. THE DESIGN ENGINEER SHOULD RECOGNIZE THAT THIS IS A MAXIMUM DEFLECTION CRITERION FOR ALL PIPES. A REDUCED PERCENT DEFLECTION MAY BE MORE APPROPRIATE FOR SPECIFIC TYPES AND SIZES OF PIPE. REFERENCE 30 TAC §63 317.2 (A)(4)(A).

22. THE BEDDING AND BACKFILL FOR FLEXIBLE PIPE SHALL COMPLY WITH THE STANDARDS OF ASTM D-2321, CLASSIFIED I OR II. FOR RIGID PIPE BEDDING SHALL COMPLY WITH THE REQUIREMENTS OF ASTM-C-12 CLASSIFIED A OR B. REFERENCE 30 TAC §6317.2.A.6

23. 8" SEWER LINES SHALL BE TESTED FROM MANHOLE TO MANHOLE OR WHEN A NEW 6" SEWER LINE IS CONNECTED TO AN EXISTING STUB OR CLEAN-OUT, IT SHALL BE TESTED FROM AN EXISTING MANHOLE TO A NEW MANHOLE.
24. WATER LINE/NEW 6" SEWER LINE SEPARATION: WHEN NEW SANITARY SEWERS ARE INSTALLED, THEY SHALL BE INSTALLED NO CLOSER TO WATER LINES THAN NINE FEET IN ALL DIRECTIONS. SEWERS THAT PARALLEL WATER LINES MUST BE INSTALLED IN SEPARATE TRENCHES, WHERE THE TEN (10) FOOT SEPARATION DISTANCE CANNOT BE ACHIEVED, THE FOLLOWING GUIDELINES APPLY:
 - A. WHERE A SANITARY SEWER PARALLELS A WATER LINE, THE SEWER SHALL BE CONSTRUCTED OF CAST IRON, DUCTILE IRON OR PVC MEETING ASTM SPECIFICATION WITH A PRESSURE RATING FOR BOTH THE PIPE AND JOINTS OF 160 PSI. THE VERTICAL SEPARATION SHALL BE A MINIMUM OF TWO FEET BETWEEN OUTSIDE DIAMETERS AND THE HORIZONTAL SEPARATION SHALL BE A MINIMUM OF FOUR FEET BETWEEN OUTSIDE DIAMETERS. THE SEWER SHALL BE LOCATED BELOW THE WATER LINE.
 - B. WHERE A SANITARY SEWER CROSSES A WATER LINE AND THE SEWER IS CONSTRUCTED OF CAST IRON, DUCTILE IRON OR PVC WITH A MINIMUM PRESSURE RATING OF 160 PSI, AN ABSOLUTE MINIMUM DISTANCE OF 6 INCHES BETWEEN OUTSIDE DIAMETERS SHALL BE MAINTAINED. IN ADDITION THE SEWER SHALL BE LOCATED BELOW THE WATER LINE WHERE POSSIBLE AND ONE LENGTH OF THE SEWER PIPE MUST BE CENTERED ON THE WATER LINE.
 - C. WHERE A SEWER CROSSES UNDER A WATER LINE AND THE SEWER IS CONSTRUCTED OF ABS BRUSHED PIPE, SIMILAR SEMI-RIGID PLASTIC COMPOSITE PIPE, CLAY PIPE OR CONCRETE PIPE WITH GASKETED JOINTS, A MINIMUM TWO FOOT SEPARATION DISTANCE SHALL BE MAINTAINED. THE INITIAL BACKFILL SHALL BE CEMENT STABILIZED SAND (TWO OR MORE BAGS OF CEMENT PER CUBIC YARD OF SAND) FOR ALL SECTIONS OF SEWER WITHIN NINE FEET OF THE WATER LINE. THIS INITIAL BACKFILL SHALL BE FROM ONE QUARTER DIAMETER BELOW THE CENTERLINE OF THE PIPE TO ONE PIPE DIAMETER (BUT NOT LESS THAN 12 INCHES) ABOVE THE TOP OF THE PIPE.
 - D. WHERE A SEWER CROSSES OVER A WATER LINE ALL PORTIONS OF THE SEWER WITHIN NINE FEET OF THE WATER LINE SHALL BE CONSTRUCTED OF CAST IRON, DUCTILE IRON, OR PVC PIPE WITH A PRESSURE RATING OF AT LEAST 160 PSI USING APPROPRIATE ADAPTERS. IN LIEU OF THIS PROCEDURE, THE NEW CONVEYANCE MAY BE ENCASED IN A JOINT OF 160 PSI PRESSURE CLASS PIPE AT LEAST 18-FEET LONG AND TWO NOMINAL SIZES LARGER THAN THE NEW CONVEYANCE. THE SPACE AROUND THE CARRIER PIPE SHALL BE SUPPORTED AT 6 FEET INTERVALS WITH SPACERS OR BE FILLED TO THE SPRINGLINE WITH WASHED SAND. THE ENCASEMENT PIPE SHOULD BE CENTERED ON THE CROSSING AND BOTH ENDS SEALED WITH CEMENT GROUT OR MANUFACTURED SEAL.
 - E. UNLESS MANHOLES CAN BE MADE WATERTIGHT AND TESTED FOR NO LEAKAGE THEY MUST BE INSTALLED SO AS TO PROVIDE A MINIMUM OF NINE FEET OF HORIZONTAL CLEARANCE FROM AN EXISTING OR PROPOSED WATER LINE. IF THE NINE FOOT SEPARATION DISTANCE CANNOT BE ACHIEVED, THE WATERLINE MUST BE ENCASED IN A JOINT OF 160 PSI PRESSURE CLASS PIPE AT LEAST 18 FEET LONG AND TWO NOMINAL SIZES LARGER THAN THE WATERLINE. THE SPACE AROUND THE CARRIER PIPE SHALL BE SUPPORTED AT 6 FOOT INTERVALS WITH SPACERS OR BE FILLED TO THE SPRINGLINE WITH WASHED SAND. THE ENCASEMENT PIPE SHALL BE OVERBUILT FIVE FEET CROSSING AND BOTH ENDS SEALED WITH CEMENT GROUT OR MANUFACTURED SEAL.
27. SEWERS SHALL BE LAID IN STRAIGHT ALIGNMENT WITH UNIFORM GRADE BETWEEN MANHOLES. DEVIATION FROM STRAIGHT ALIGNMENT AND UNIFORM GRADE SHALL BE APPROVED ONLY ON A CASE BY CASE BASIS BY THE TCEQ. IF APPROVAL IS GIVEN FOR DEVIATION FROM STRAIGHT ALIGNMENT AND UNIFORM GRADE, CURRENT COMMISSION POLICY REGARDING HORIZONTAL CURVATURE SHALL BE COMPLIED WITH FULLY.

GENERAL NOTES FOR CURVED 8" SEWER LINES:

- ALL CURVATURE OF SEWER PIPE WILL BE ACHIEVED BY PIPE DEFLECTION PER THE MANUFACTURE R'S RECOMMENDED PROCEDURE
 - IN-PLACE DEFLECTION TESTS (MANDREL TEST) MUST BE PERFORMED ON ALL FLEXIBLE AND SEMI-RIGID PIPE IN ACCORDANCE WITH 30 TAC §6317.2 (A)(4)(C).
 - INFILTRATION TEST SHALL BE CONDUCTED IN ACCORDANCE WITH 30 TAC §6317.2 (A)(4)(A) - 60 GALLONS PER INCH OF DIAMETER PER MILE OF PIPE.
 - SPECIFIC CARE SHALL BE TAKEN TO ENSURE THAT THE JOINT IS PLACED IN THE CENTER OF THE TRENCH AND PROPERLY BEDDED IN ACCORDANCE WITH 30 TAC §63 317.2 (A)(6).
28. THE ASTM, ANSI, OR AWWA SPECIFICATION NUMBERS FOR THE PIPE AND JOINTS ARE ASTM D3034 & ASTM 2241. THE PIPE MATERIAL, THE PRESSURE CLASS, AND THE SDR AND/OR DR DESIGNATIONS ARE SDR 36 AND SDR 26.
 29. THE DIAMETER OF THE MANHOLES SHALL BE A MINIMUM OF FOUR FEET AND THE MANHOLE COVERS SHALL HAVE A MINIMUM NOMINAL DIAMETER OF 30". THESE DIMENSIONS ARE LABELED ON THE MANHOLE DRAWING ON THE DETAIL SHEET.
 30. THE MANHOLE DETAILS SHALL INSURE THAT THE TCEQ RULES CONCERNING SEWER INVERTS HAVE BEEN COMPLIED WITH AS DESCRIBED IN 317.2(0)(5).
 31. A CROSS SECTION OF THE TRENCH DETAILS IS INCLUDED IN THE PLANS WHICH SHOW THE DIMENSIONS OF THE TRENCH AND PIPE AND THE CLASS OF BEDDING MATERIAL REQUIRED.
 32. AFTER THE PIPE HAS BEEN INSTALLED AND CONNECTED, A PRESSURE TEST, FOLLOWED BY A LEAKAGE TEST, WILL BE CONDUCTED BY THE CONTRACTOR UNDER THE OBSERVATION OF THE ENGINEER. THE CONTRACTOR SHALL BE PRESENT AND SHALL FURNISH ALL NECESSARY LABOR AND EQUIPMENT FOR CONDUCTING THE TESTS. THE SPECIFIED TEST PRESSURES WILL BE BASED ON THE ELEVATION OF THE LOWEST POINT OF THE LINE OR SECTION UNDER TEST. BEFORE APPLYING THE SPECIFIED TEST PRESSURE, ALL AIR SHALL BE EXPELLED FROM THE PIPE. IF PERMANENT AIR VENTS ARE NOT LOCATED AT ALL HIGH POINTS, THE CONTRACTOR SHALL INSTALL CORPORATION COCKS AT SUCH POINTS. ALL DRAIN HYDRANT AND FIRE HYDRANT LEADS, WITH THE MAIN 6-INCH GATE VALVE OPEN, THE HYDRANT VALVE SEATS CLOSED AND NOZZEL CAPS OPEN, SHALL BE INCLUDED IN THE TEST.

- PRESSURE TEST: THE ENTIRE PERIOD OF EACH VALVED SECTION SHALL BE TESTED. AT A PRESSURE OF 200 PSI FOR A SUFFICIENT PERIOD (APPROXIMATELY 10 MINUTES) TO DISCOVER ALL LEAKING OR DEFECTIVE MATERIALS. REPAIRS SHALL BE MADE BY THE CONTRACTOR TO CORRECT ANY LEAKING OR DEFECTIVE MATERIALS.
- PRESSURE PIPE LEAKAGE TEST: A LEAKAGE TEST WILL FOLLOW THE PRESSURE TEST AND BE CONDUCTED ON THE ENTIRE PROJECT OR EACH VALVED SECTION. THE LEAKAGE TEST SHALL BE AT 160 PSI FOR AT LEAST 1 HOUR, UNLESS OTHERWISE SPECIFIED.

1. ALLOWABLE LEAKAGE: LEAKAGE SHALL BE DEFINED AS THE QUANTITY OF WATER THAT MUST BE SUPPLIED INTO THE PIPE SECTION BEING TESTED TO MAINTAIN A PRESSURE WITHIN 6 PSI OF THE SPECIFIED LEAKAGE-TEST PRESSURE AFTER THE PIPE HAS BEEN FILLED WITH WATER AND THE AIR IN THE PIPELINE HAS BEEN EXPELLED. NO INSTALLATION WILL BE ACCEPTED IF THE LEAKAGE IS GREATER THAN THAT DETERMINED BY THE FORMULA:

$$L = ND \cdot P$$

WHERE: L = ALLOWABLE LEAKAGE, IN GALLONS PER HOUR
 N = NUMBER OF JOINTS IN THE LENGTH OF PIPELINE TESTED
 D = NOMINAL DIAMETER OF THE PIPE, IN INCHES
 P = AVERAGE TEST PRESSURE DURING THE LEAKAGE TEST, IN POUNDS PER SQUARE INCH (GAUGE)
2. LOCATING AND CORRECTION OF LEAKAGE: IF SUCH TESTING DISCLOSES LEAKAGE IN EXCESS OF THIS SPECIFIED AMOUNT ALLOWABLE, THE CONTRACTOR, AT HIS EXPENSE, SHALL LOCATE AND CORRECT ALL DEFECTS IN THE PIPE LINE UNTIL THE LEAKAGE IS WITHIN THE INDICATED ALLOWANCE. ALL VISIBLE LEAKAGE IN PIPE SHALL ALSO BE CORRECTED BY THE CONTRACTOR AT HIS OWN EXPENSE.

TRENCH NOTES:

- THE WATERLINES MUST BE DISINFECTED BEFORE USING ACCORDING TO THE CURRENT STANDARD, AWWA C661-92. A MINIMUM OF ONE BACTERIOLOGICAL SAMPLE MUST BE COLLECTED FOR EACH 1,000 FEET OF COMPLETED WATERLINE TO CHECK EFFICIENCY OF DISINFECTION PROCEDURES AND MUST BE REPEATED IF CONTAMINATION PERSISTS AS PER 290.44(1)(3).
- ALL NEWLY INSTALLED PIPE AND FITTINGS MUST CONFORM TO ANSI/NSF STANDARD 61 AND MUST BE CERTIFIED BY AN ORGANIZATION ACCREDITED BY ANSI. ALL PLASTIC PIPE FOR USE IN PUBLIC WATER SYSTEMS MUST ALSO BEAR THE NATIONAL SANITATION FOUNDATION SEAL OF APPROVAL (NSF-PW) AS PER 290.44(a)(1) AND (2).
- THE SYSTEM MUST MAINTAIN A MINIMUM PRESSURE OF 95 PSI AT ALL POINTS WITHIN THE DISTRIBUTION NETWORK AT FLOW RATES OF AT LEAST 1.5 GALLONS PER MINUTE PER CONNECTION. WHEN THE SYSTEM IS INTENDED TO PROVIDE FIRE FIGHTING CAPABILITY, IT MUST ALSO MAINTAIN A MINIMUM PRESSURE OF 20 PSI UNDER COMBINED FIRE AND DRINKING WATER FLOW CONDITIONS AS REQUIRED IN 290.44(d) OF THE RULES.

TRENCH SAFETY NOTES:

1. IN ACCORDANCE WITH THE LAWS OF THE STATE OF TEXAS AND THE U.S. OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION REGULATIONS, ALL TRENCHES, OVER 6 FEET IN DEPTH IN EITHER HARD AND COMPACT OR SOFT AND UNSTABLE SOIL SHALL BE SLOPED, SHORED, SHUTTED, BRACED OR OTHERWISE SUPPORTED. FURTHERMORE, ALL TRENCHES LESS THAN 6 FEET IN DEPTH SHALL ALSO BE EFFECTIVELY PROTECTED WHEN HAZARDOUS GROUND MOVEMENT MAY BE EXPECTED.
2. IN ACCORDANCE WITH THE U.S. OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION REGULATIONS, WHEN EMPLOYEES ARE REQUIRED TO BE IN TRENCHES 4- FEET DEEP OR MORE, ADEQUATE MEANS EXIT, SUCH AS A LADDER OR STEPS, MUST BE PROVIDED AND LOCATED SO AS TO REQUIRE NO MORE THAN 25 FEET OF LATERAL TRAVEL.
3. IF TRENCH SAFETY SYSTEM DETAILS WERE NOT PROVIDED IN THE PLANS BECAUSE TRENCHES WERE ANTICIPATED TO BE LESS THAN FIVE FEET IN DEPTH AND DURING CONSTRUCTION IT IS FOUND THAT TRENCHES ARE IN FACT 6 FEET OR MORE IN DEPTH OR TRENCHES LESS THAN 6 FEET IN DEPTH ARE IN AN AREA WHERE HAZARDOUS GROUND MOVEMENT IS EXPECTED, ALL CONSTRUCTION SHALL CEASE. THE TRENCHED AREA SHALL BE BARRICADED AND THE ENGINEER NOTIFIED IMMEDIATELY. CONSTRUCTION SHALL NOT RESUME UNTIL APPROPRIATE TRENCH SAFETY SYSTEM DETAILS, AS DESIGNED BY A PROFESSIONAL ENGINEER, ARE SUBMITTED TO AND ACCEPTED BY THE HORIZON REGIONAL MUNICIPAL UTILITY DISTRICT.
4. CONTRACTOR SHALL PROVIDE TO THE P.S.B. A TRENCH SAFETY PLAN, SEALED BY A REGISTERED ENGINEER.

UTILITY NOTES:

1. CONTRACTOR MUST COORDINATE WATER SYSTEM WITH SEWER SYSTEM TO PREVENT ANY CONFLICTS WHERE THE LINES INTERSECT ONE ANOTHER.
2. AREAS WHERE WATER PIPES CROSS OVER SEWER PIPES SHALL NOT HAVE ANY JOINTS.
3. WATER & SEWER TO HAVE A MINIMUM SEPARATION OF 10 FEET.

THE FOLLOWING LIST INCLUDES THE KNOWN RESPONSIBLE AUTHORITIES:

- TEXAS GAS SERVICE (916) 880-7288
- IVAN ALOGER
- EL PASO ELECTRIC COMPANY (606) 882-2317
- ROBERT BECERRA
- EL PASO WATER UTILITIES (916) 694-6630
- FELIPE LOPEZ
- TIME WARNER COMMUNICATIONS (916) 776-7416
- RAY MENDOZA
- PARKS AND RECREATION (916) 698-0771
- DAVID OCHOA
- LOUIS ALOYSIUS (916) 681-3791
- AT&T
- FRANCISCO VADCO (916) 696-6119

WATER NOTES:

1. CONTACT UTILITY COMPANIES FOR EXACT LOCATION FOR UNDERGROUND UTILITIES IN THE AREA.
2. PROVIDE ADEQUATE CONCRETE THROUGH BLOCKING AT THE FOLLOWING: TAPPING, SLEEVES, TEES, BENDS, PLUGS - ALL FITTINGS.
3. INSTALL A TRENCH SAFETY SYSTEM TO PROVIDE FOR THE SAFE EXCAVATION OF ALL TRENCHES EXCEEDING A DEPTH OF (5') FIVE FEET AS PER O.S.H.A. STANDARDS.
4. ALL P.V.C. PIPE ON THIS PLAN SHALL BE ENCASED WITH SELECT BEDDING WHEN PLACED IN CITY ROW. IN SITU (ACCEPTABLE) MATERIAL CAN BE USED IN PRIVATE LINES.
5. ALL VALVES ON P.V.C. WATER MAINS SHALL BE ANCHORED IN CONCRETE.
7. CITY PAVING CUT PERMIT REQUIRED BEFORE EXCAVATION.
8. RECONNECTION OF EXISTING WATER LINE SYSTEM SHOWN ON THESE PLANS MUST BE MADE, SUCH THAT MINIMAL INTERRUPTION OF SERVICE TO CUSTOMER IS MADE.
9. ALL EXISTING LINES CURRENTLY IN SERVICE MUST REMAIN IN SERVICE THROUGHOUT CONSTRUCTION. CONTRACTOR IS RESPONSIBLE FOR PROTECTING 8" SEWER LINES (INCLUDING SERVICES) FROM DAMAGE AS A RESULT OF CONSTRUCTION.
10. VALVES AND OTHER PIPE MATERIALS TO BE ABANDONED SHALL BE REMOVED AND DISPOSED AT THE CONTRACTOR'S RESPONSIBILITY AND EXPENSE.
11. CONTRACTOR SHALL VERIFY LOCATION OF SERVICES BEFORE CONSTRUCTION.
12. CONTRACTOR SHALL COORDINATE WITH CITY CONSTRUCTION SEQUENCE AND TRAFFIC CONTROL PLANS.
13. CONTRACTOR SHALL PROVIDE TEMPORARY SERVICE TO CUSTOMERS IF SERVICE WILL BE INTERRUPTED FOR MORE THAN (4) HOURS IN A 24-HOUR PERIOD.
14. CONTRACTOR TO ADJUST WATER VALVES TO FINAL GRADE WHERE NECESSARY.
15. FIRE PROTECTION LINES TO BE SIZED BY FIRE PROTECTION CONTRACTOR.

SEWER NOTES:

1. CONTACT UTILITY COMPANIES FOR EXACT LOCATION OF UNDERGROUND UTILITIES IN THIS AREA.
2. INSTALL A TRENCH SAFETY SYSTEM TO PROVIDE FOR THE SAFE EXCAVATION OF ALL TRENCHES EXCEEDING A DEPTH OF (5') FIVE FEET AS PER O.S.H.A. STANDARDS.
3. ALL P.V.C. PIPE ON THIS PLAN SHALL BE ENCASED WITH SELECT BEDDING WHEN PLACED IN CITY ROW. IN SITU (ACCEPTABLE) MATERIAL CAN BE USED IN PRIVATE LINES.
4. PROVIDE MANHOLE ADAPTER WHERE P.V.C. PIPE CONNECTS TO MANHOLE.
5. WATER & SANITARY SEWER MAIN SEPARATION REQUIREMENTS SHALL COMPLY WITH "T.C.E.Q." MINIMUM VERTICAL SEPARATION REQUIREMENTS. (REFER TO SPECIFICATIONS.)
6. ALL EXISTING 8" SEWER LINES AND SERVICES CURRENTLY IN SERVICE MUST REMAIN IN SERVICE THROUGHOUT CONSTRUCTION. CONTRACTOR SHALL PROVIDE TEMPORARY SERVICE TO CUSTOMERS IF SERVICE WILL BE INTERRUPTED FOR MORE THAN (4) HOURS IN A 24-HOUR PERIOD. CONTRACTOR IS RESPONSIBLE FOR PROTECTING 8" SEWER LINES (INCLUDING SERVICES) FROM DAMAGE AS A RESULT OF CONSTRUCTION.
7. CONTRACTOR SHALL COORDINATE WITH CITY CONSTRUCTION SEQUENCE AND TRAFFIC CONTROL PLANS.

PAVEMENT NOTES:

SEE SHEET 21 FOR PAVEMENT NOTES

BENCHMARK	CITY MONUMENT AT THE CENTERLINE INTERSECTION OF RALPH SEITSINGER DR. AND GALICENO PL. ELEVATION 4026.83
BY	NAVPSB DATUM
DATE	03/05/14
REVISIONS	POND SIZE INCREASE AND SLOPE CHANGE TO 3:1
R.R.	

TERRA DEL ESTE UNIT 76
 BEING PORTION OF SECTION 16, BLOCK 76, AND PORTION OF SECTION 17, BLOCK 46, AND BLOCK 79, TOWNSHIP 2, SURVEYS AND PACIFIC RAILWAY CO. SURVEYS, CITY OF EL PASO, EL PASO COUNTY, TEXAS CONTAINING: 86.094 ACRES

ENGINEER'S SEAL	S C A L E
ENGINEER'S SEAL NOT THIS SURVEY. THIS SURVEY IS PRODUCED FROM CITY PSB DESIGN STANDARDS	HORIZ: --- VERT: --- DATE: MAY 2013 DESIGN BY: Y.C. INITIATED BY: R.R. CHECKED BY: Y.C. JOB NO.: 113-96

CONDE INC.
 ENGINEERING / PLANNING / SURVEYING / GPS
 6000 SURETY DR. STE 100
 EL PASO, TEXAS 79905
 PHONE: (915) 592-0283
 FAX: (915) 592-0286

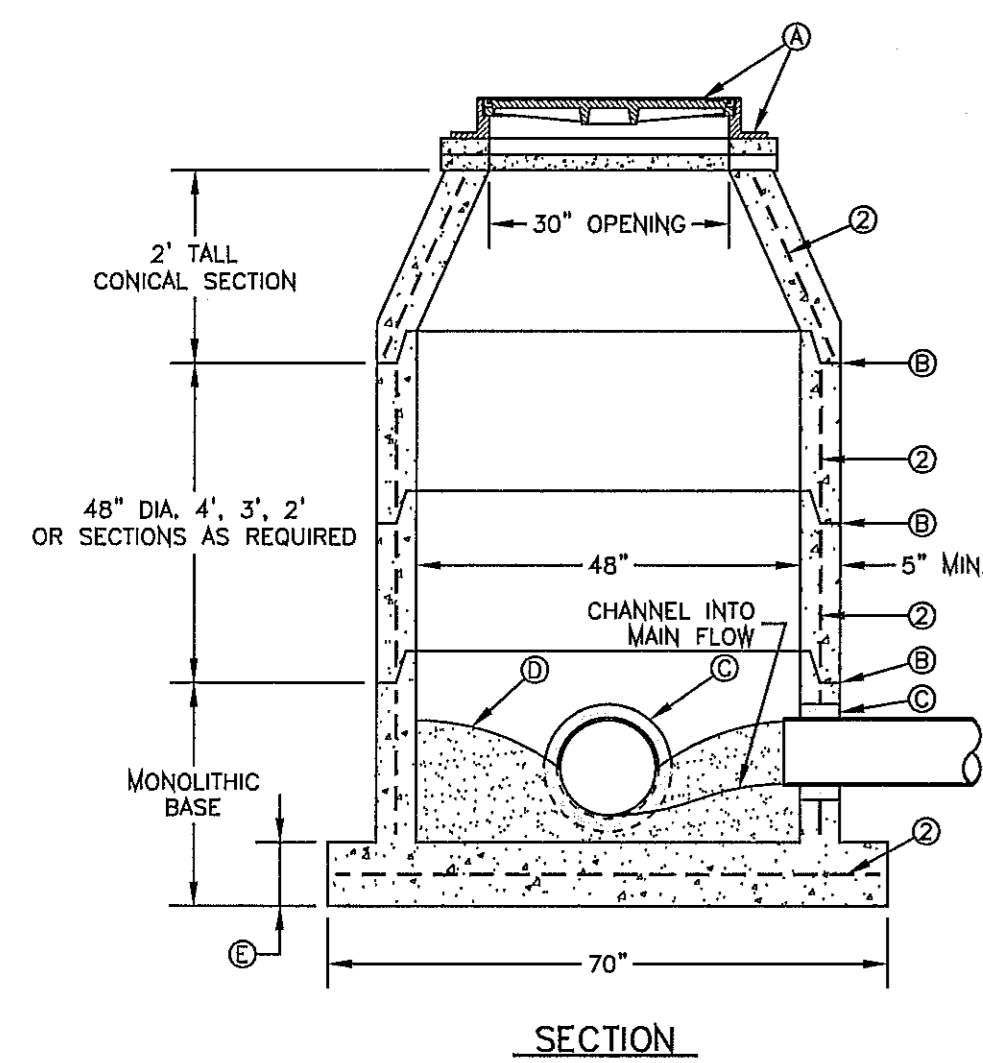


SHEET TITLE

W&S NOTES AND DETAILS - NOTES



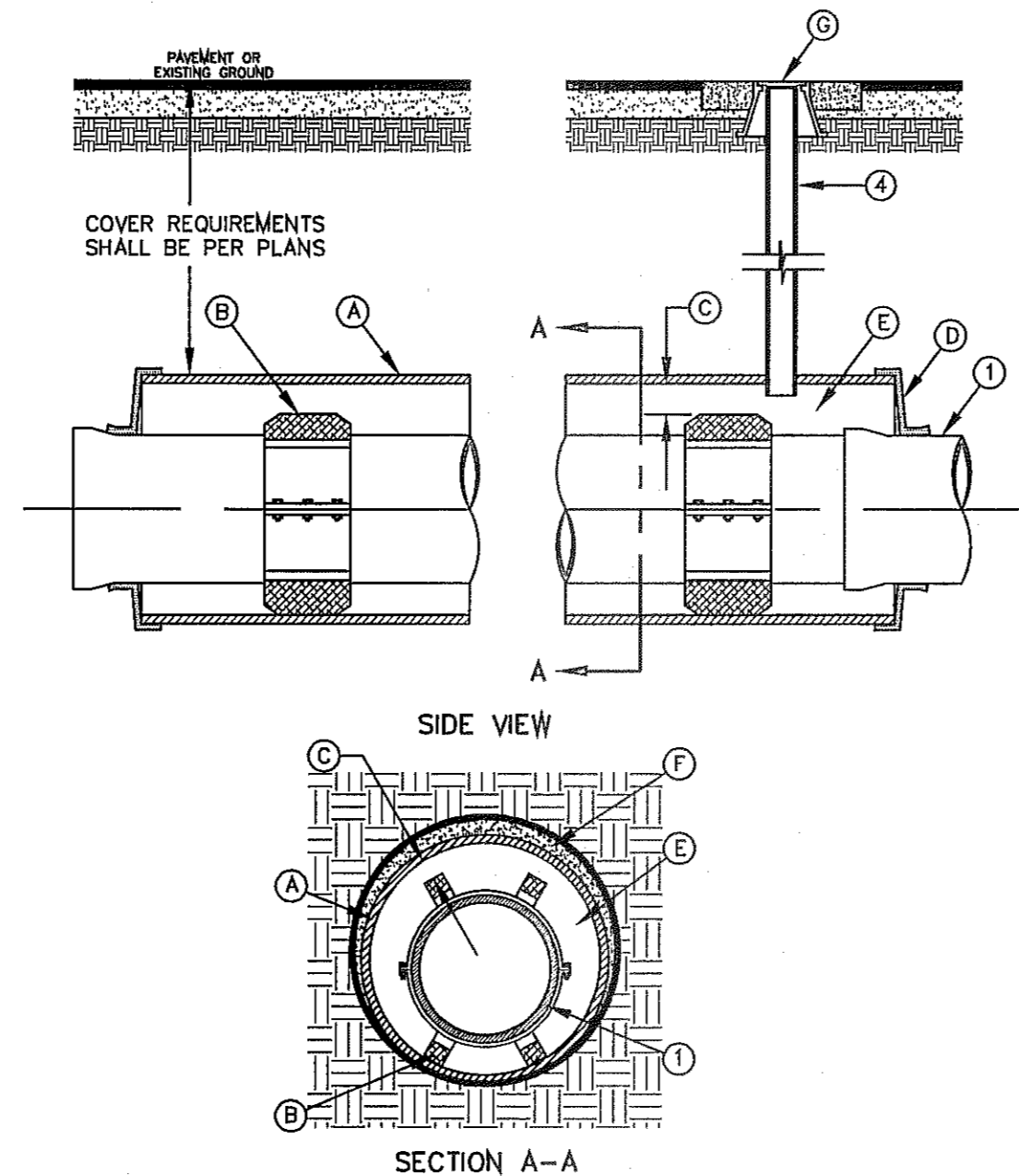
FILE LOCATION E:\Subdivisions\76\DWG\W&S NOTES AND DETAILS PLOTTED ON Tuesday, September 16, 2014 1:08:42 PM BY RUBEN RIVERA



MANHOLE TYPE "A"
N.T.S.
370-1

- GENERAL NOTES:**
- MANHOLE TYPE "A" SHALL BE USED FOR LINES 21" AND SMALLER.
 - PRE-CAST MANHOLE SECTIONS SHALL BE OF REINFORCED CONCRETE CONFORMING TO ASTM C-478 AND SHALL MEET HS-20 LOADING. PROVIDE REINFORCEMENT WITHIN 3" OF OPENINGS OR KNOCKOUTS, OPENINGS (UP TO 8") MADE IN FIELD SHALL BE CORE DRILLED.
 - CEMENT SHALL BE TYPE III, PER ASTM C-150, AND MUST CONTAIN A MINIMUM OF 4% FLY ASH OF THE TOTAL MANHOLE WEIGHT.
 - THE BASE & RISER SHALL BE INTEGRALLY CAST. CONCRETE SHALL BE MIN. 28 DAY COMPRESSIVE STRENGTH 4000psi.
 - MANUFACTURER TO PROVIDE LIFTERS OF ADEQUATE SIZE AS NEEDED.
 - THE SUBGRADE UNDER THE BASE SHALL BE COMPACTED TO 95% DENSITY IN ACCORDANCE WITH ASTM D-1557.
 - MANHOLES BELOW GROUNDWATER TO BE EXTERNALLY AND INTERNALLY COATED WITH BITUMINOUS COATING.

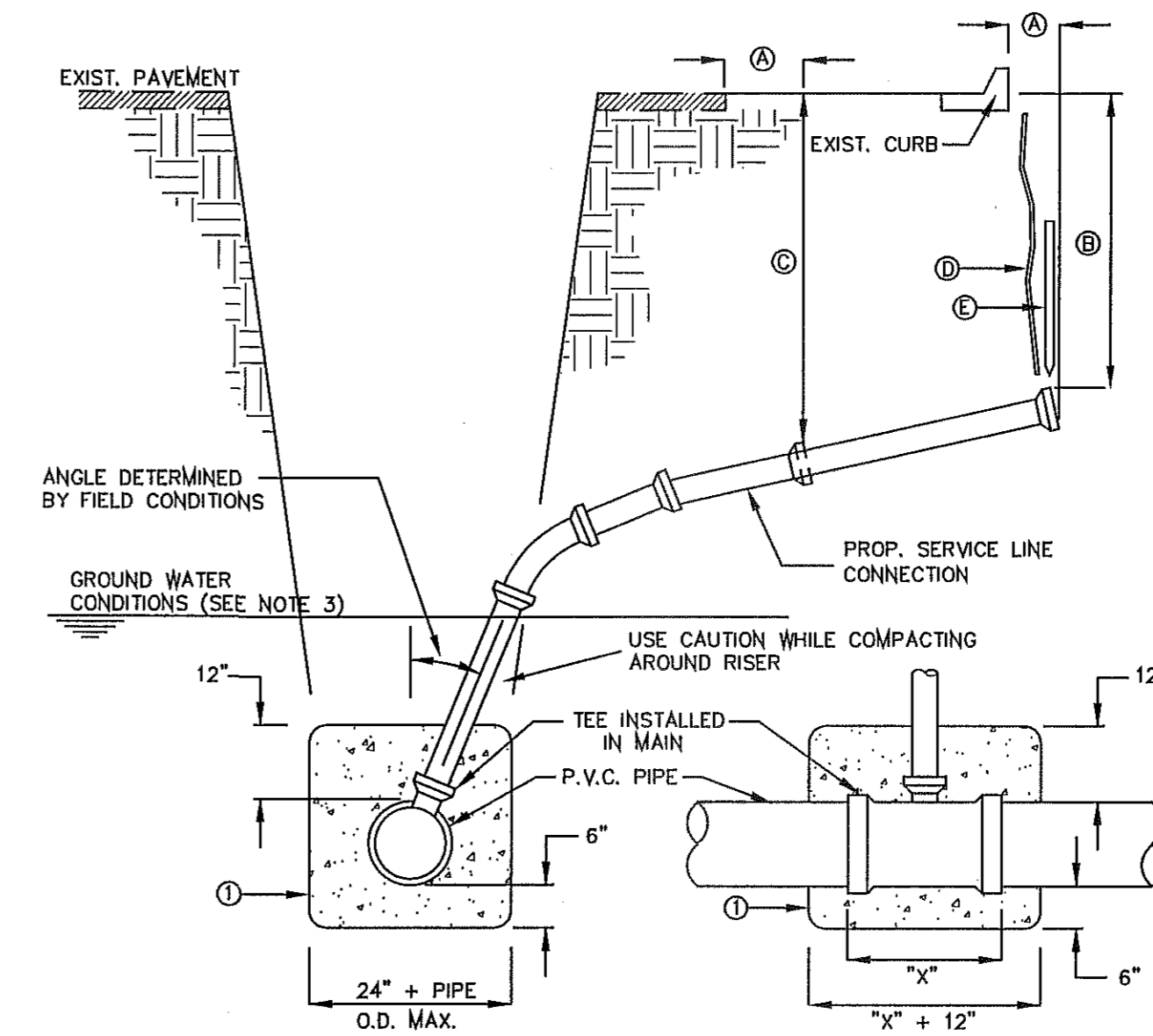
- CONSTRUCTION KEY NOTES:**
- MANHOLE RING AND COVER (SEE DETAILS 377 & 378), SET FRAME AND COVER FLUSH WITH ROADWAY SURFACE OR FINISHED GRADE (SEE DETAIL 185).
 - ALL JOINTS TO BE TONGUE, GROOVE AND SEALED WITH RAM-N-SEAL OR APPROVED EQUAL.
 - PIPE OPENINGS/KNOCKOUTS AS REQUIRED TO FIT PIPE SIZE AND SHALL HAVE FLEXIBLE PIPE TO MANHOLE CONNECTORS (COMPRESSION TYPE ASTM-9223), "KOR-N-SEAL" OR APPROVED EQUAL. GROUT AS REQUIRED.
 - CONCRETE BASE SHALL BE 8" FOR MH'S UP TO 12" DEEP AND 12" FOR DEPTHS GREATER THAN 12".



CARRIER PIPE INSTALLATION WITH CASING INSULATORS
N.T.S.
180

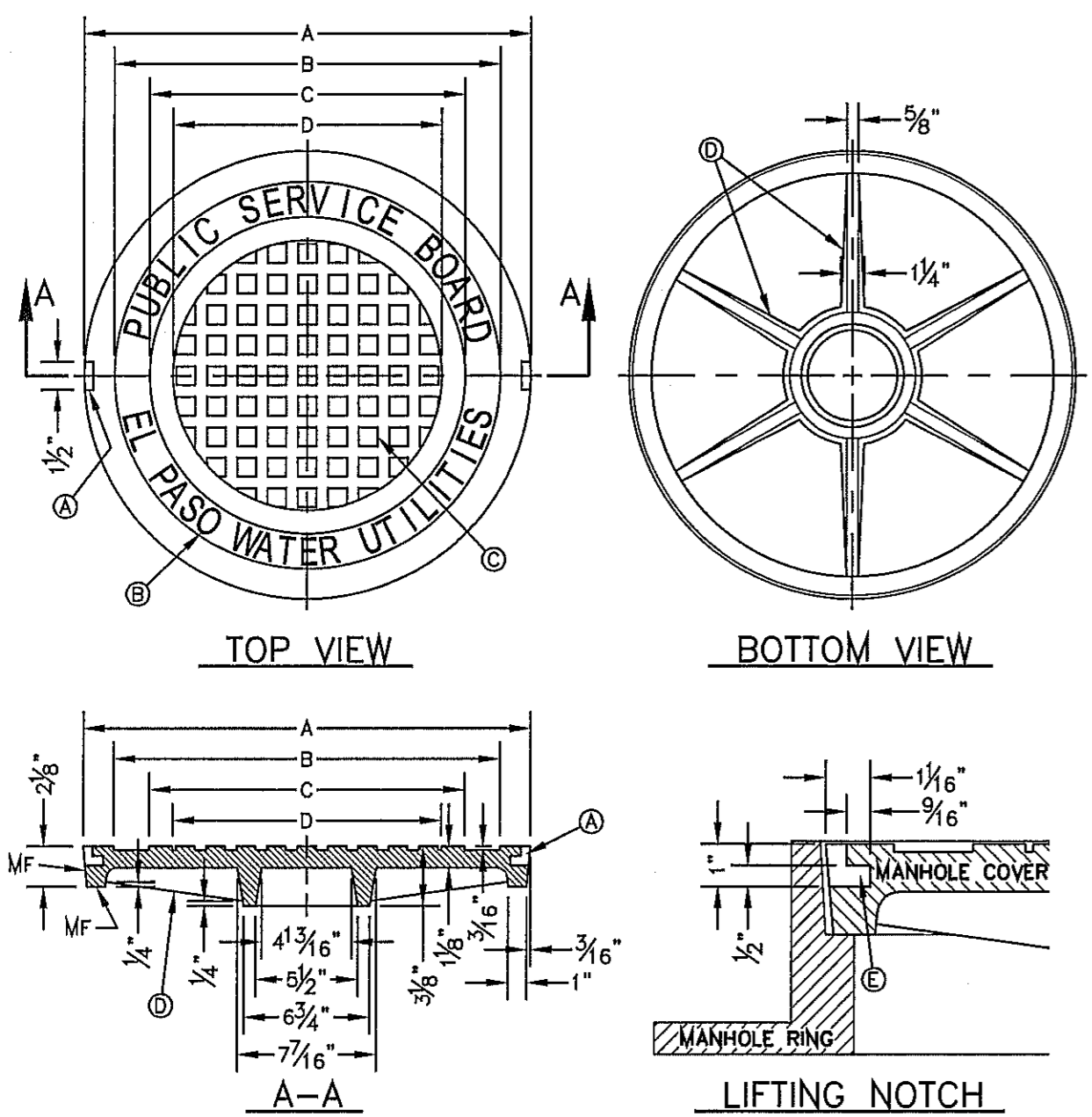
- GENERAL NOTES:**
- INSTALLATION FOR APPROVED CARRIER PIPE.
 - CASING SHALL BE INSTALLED USING EITHER JACKING, BORING OR TUNNELING METHODS FROM THE END WHICH CREATES A MINIMUM OF ACCESS AND RELOCATION PROBLEMS.
 - INSULATED SPACERS SHALL BE USED WHEN SPECIFIED, TO PROVIDE CORROSION PROTECTION.
 - PRECAUTIONARY OUTLET (6") WITH BONNET BOX AND COVER SHALL BE USED WHEN REQUIRED BY OTHER GOVERNING AGENCIES.

- CONSTRUCTION KEY NOTES:**
- STEEL CASING MINIMUM YIELD 36000 PSI, SIZE AND LENGTH AS SPECIFIED.
 - CASING INSULATORS, SPACING AND LOCATION PER MANUFACTURER'S RECOMMENDATIONS. INSULATORS SHALL FIT SNUG OVER THE CARRIER PIPE.
 - POSITION CARRIER PIPE APPROXIMATELY IN CENTER OF CASING. MINIMUM SPACING BETWEEN INSULATOR AND CARRIER PIPE SHALL BE 1", MAXIMUM SPACING SHALL BE 2".
 - END SHALL BE SEALED WITH BRICK AND MORTAR, BULKHEAD AND GROUT, OR WITH SYNTHETIC RUBBER SEAL, AS SPECIFIED.
 - ANNULAR SPACE SHALL BE LEFT OPEN FOR CATHODICALLY PROTECTED SYSTEM WHERE BOTH CASING AND CARRIER PIPE ARE METALLIC MATERIAL, OR AS OTHERWISE SPECIFIED.
 - PRESSURE GROUT ANNULAR SPACE OUTSIDE CASING AFTER CASING IS INSTALLED.
 - BONNET BOX AND COVER (SEE DETAILS 268, 269-1 & 269-2) SET FRAME AND COVER FLUSH WITH ROADWAY SURFACE OR FINISHED GRADE (SEE DETAIL 260).



SEWER SERVICE RISER AND SERVICE LINE CONNECTION
N.T.S.
391

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

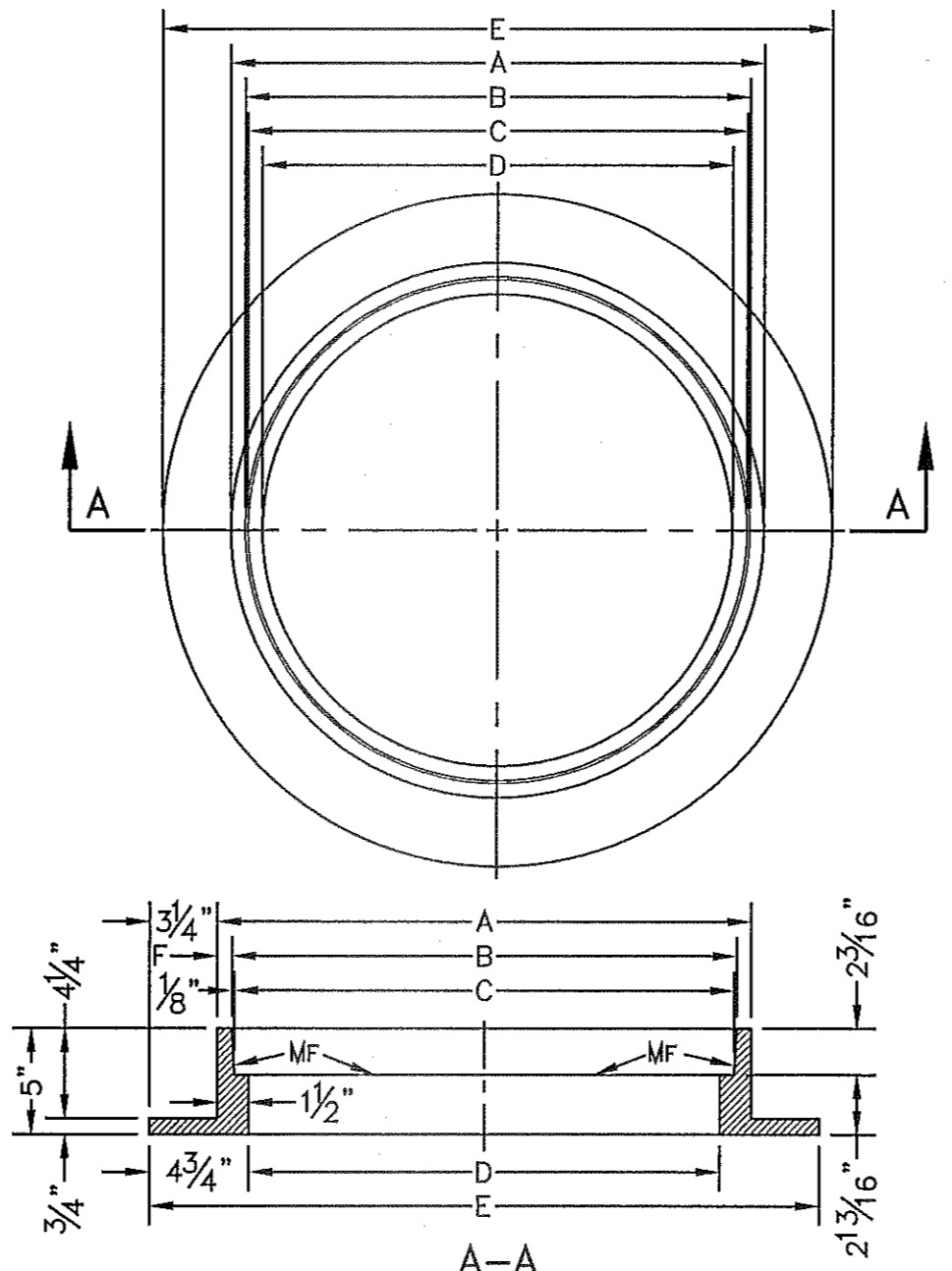


SEWER MANHOLE COVER
N.T.S.
378

- GENERAL NOTES:**
- MATCHING SURFACES MARKED "MF" TO BE FINISHED WITH RAM-N-SEAL OR APPROVED EQUAL.
 - CASTING TO BE SMOOTH & VOID OF AIR HOLES.
 - CASTING MUST MEET REQUIREMENTS OF AASHTO M306-07.
 - AS-CAST DIMENSIONS MAY VARY 1/16" ± PER FOOT (AASHTO M306-07).
 - WEIGHT MAY VARY 5% ± (AASHTO M306-07).
- CONSTRUCTION KEY NOTES:**
- LIFTING NOTCH.
 - 3/4" RAISED LETTERING.
 - 1" SQUARES (3/8" TALL) WITH 5/8" SPACE BETWEEN.
 - REINFORCING RIBS.
 - SLOT.

MANHOLE COVER	MANHOLE - ALL TYPES	*MANHOLE TYPE A, A1, A2 & C
A	31 3/8"	23 3/8"
B	28 3/8"	20 3/8"
C	24 3/8"	16 3/8"
D	21 7/8"	14 3/8"
WEIGHT	265 lbs.	165 lbs.

*OBSOLETE - DO NOT USE (FOR REFERENCE ONLY)

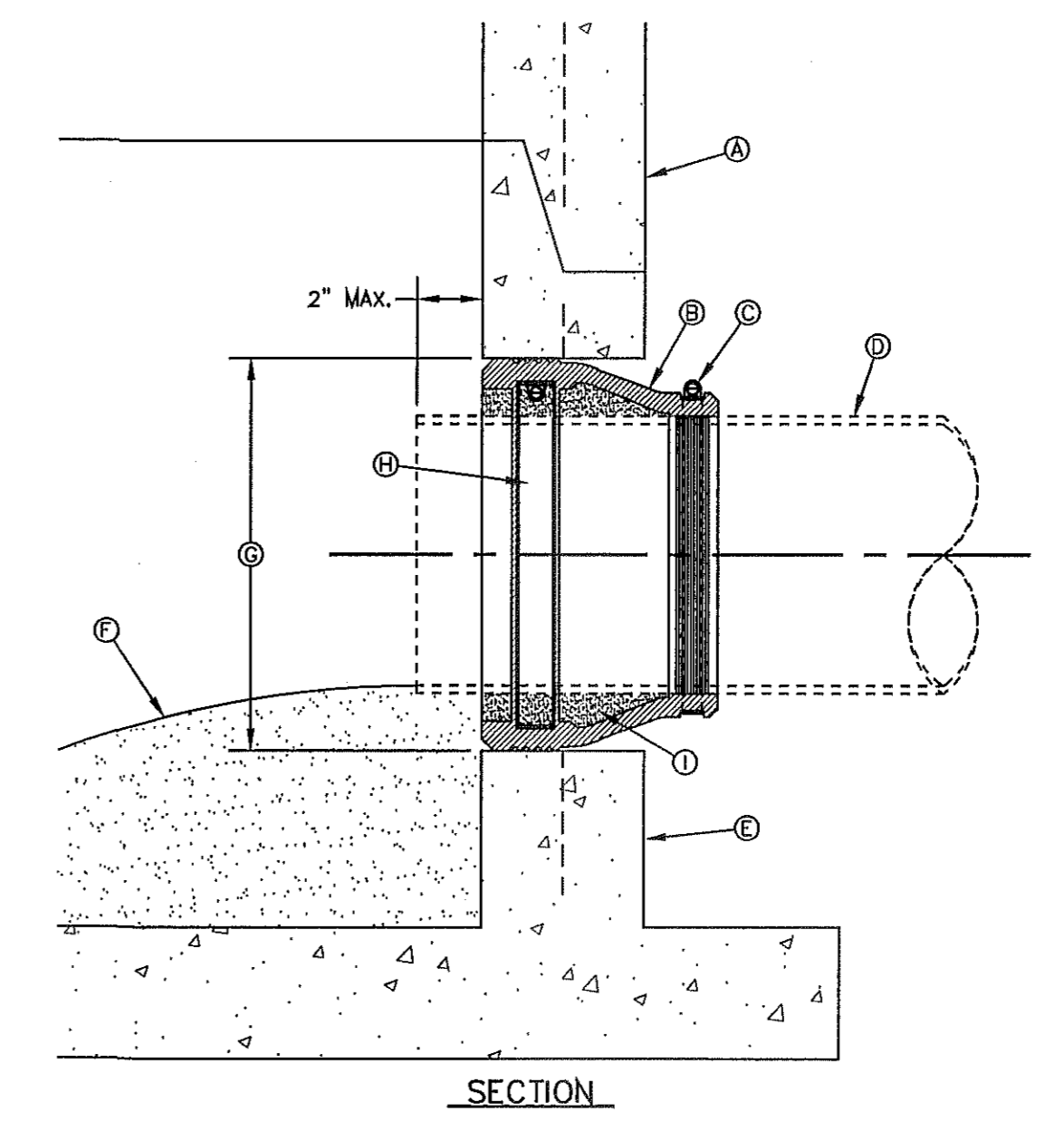


SEWER MANHOLE RING
N.T.S.
377

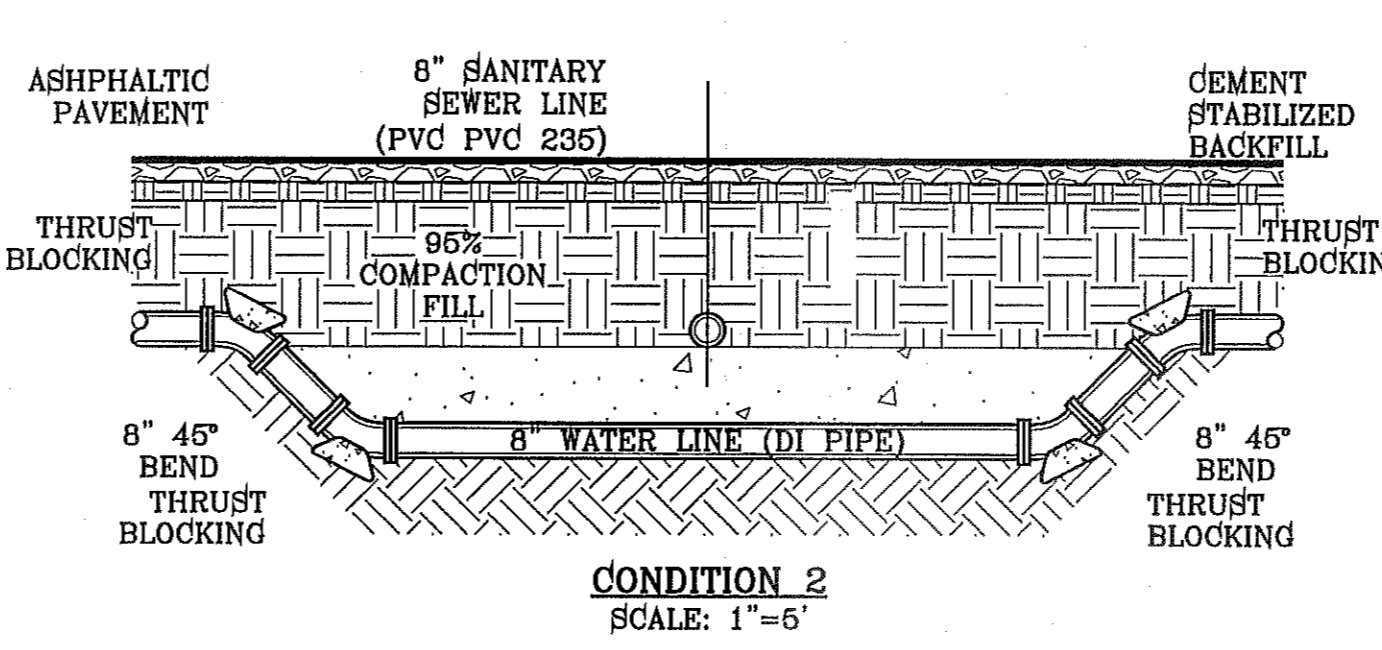
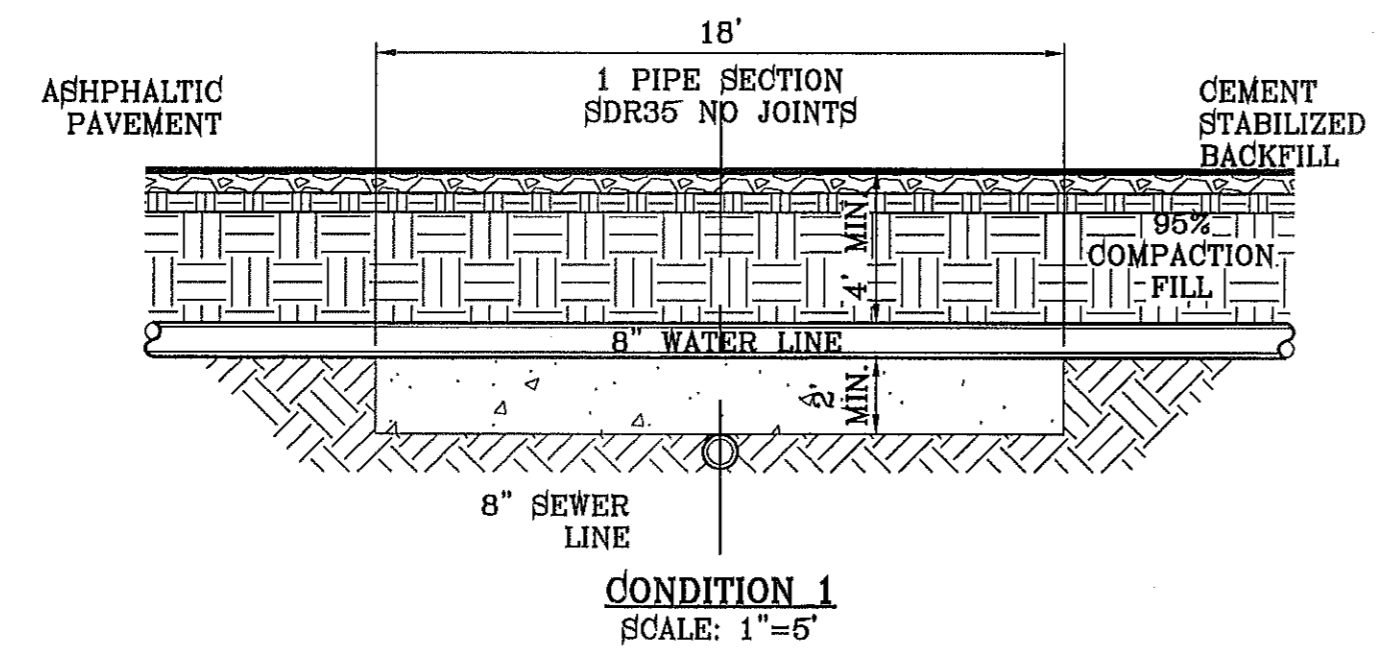
- GENERAL NOTES:**
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 - AS-CAST DIMENSIONS MAY VARY 1/16" ± PER FOOT (AASHTO M306-07).
 - WEIGHT MAY VARY 5% ± (AASHTO M306-07).

MANHOLE RING	MANHOLE - ALL TYPES	*MANHOLE TYPE A, A1, A2 & C
A	33"	25 1/2"
B	31 3/4"	24 3/8"
C	31 1/2"	23 3/8"
D	30"	22 1/2"
E	29 1/2"	32"
WEIGHT	220 lbs.	170 lbs.

*OBSOLETE - DO NOT USE (FOR REFERENCE ONLY)



PIPE CONNECTION TO MANHOLE
N.T.S.
376



EL PASO WATER UTILITY DETAILS
NUMBERS:
180, 370-1, 376, 377, 378, 391

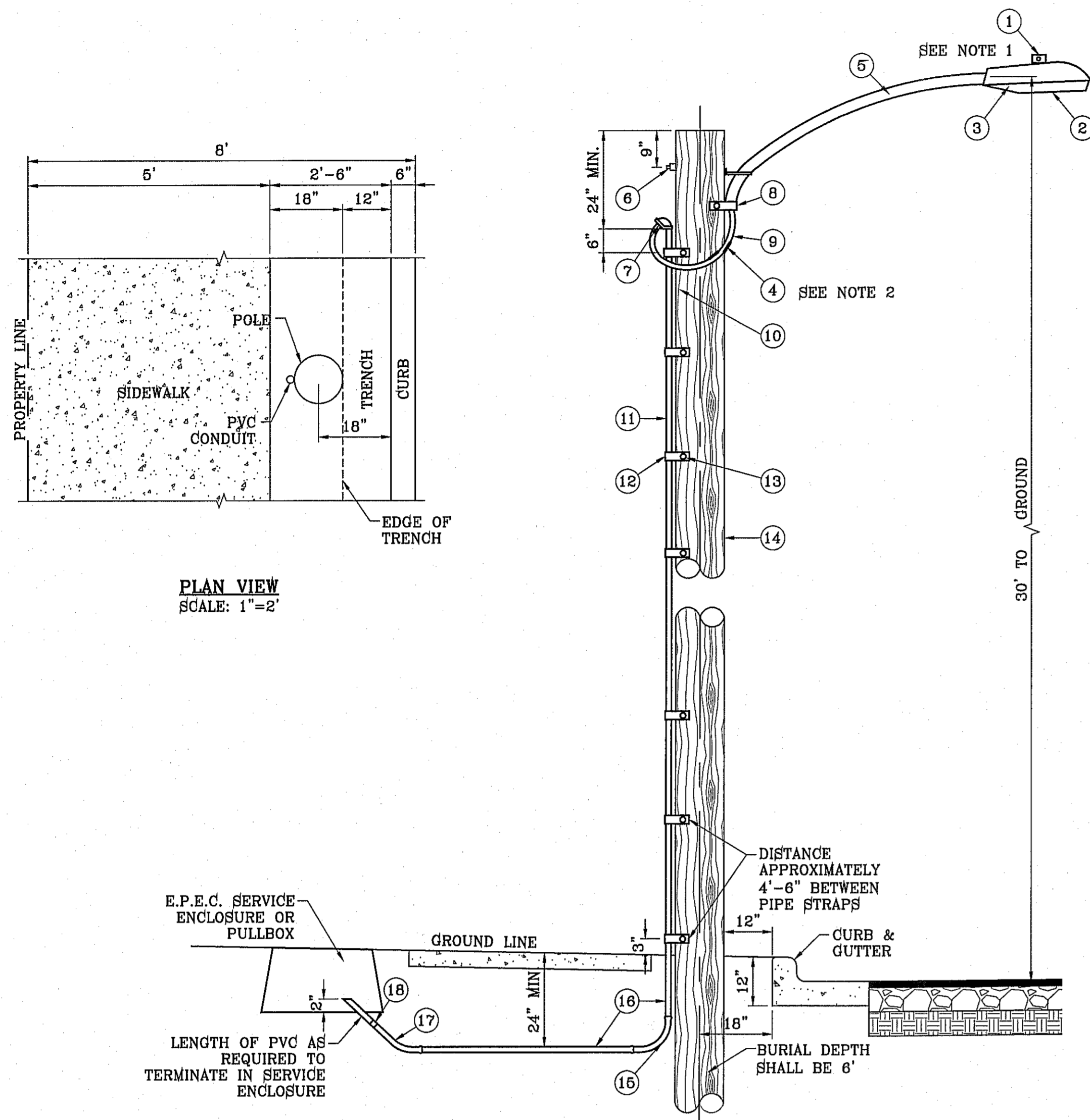
TIERRA DEL ESTE UNIT SEVENTY SIX

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TIERRA DEL ESTE UNIT 76
BENCH MARK
CITY MONUMENT AT THE CENTERLINE INTERSECTION OF RALPH SETTSINGER DR. AND GALICENO PL. ELEVATION 4025.89
DATE: 03/05/14
REVISIONS
POND SIZE INCREASE AND SLOPE CHANGE TO 3:1
BY: R.R.
R.R.

CONDE INC.
REGISTRATION No. F-2321
SHEET TITLE
SEWER DETAILS
SHT 65 OF 72

FILE LOCATION: s:\subdivisions\76 DWG\ILLUMINATION PLAN PLOTTED ON Monday, September 29, 2014 2:57:17 PM BY RUBEN RIVERA



PLAN VIEW
SCALE: 1"=2'

UNDERGROUND RESIDENTIAL
STREET LIGHT WOOD POLE
E.P.E.C. STD. DSU 805
SCALE: 1"=2'

LEGEND

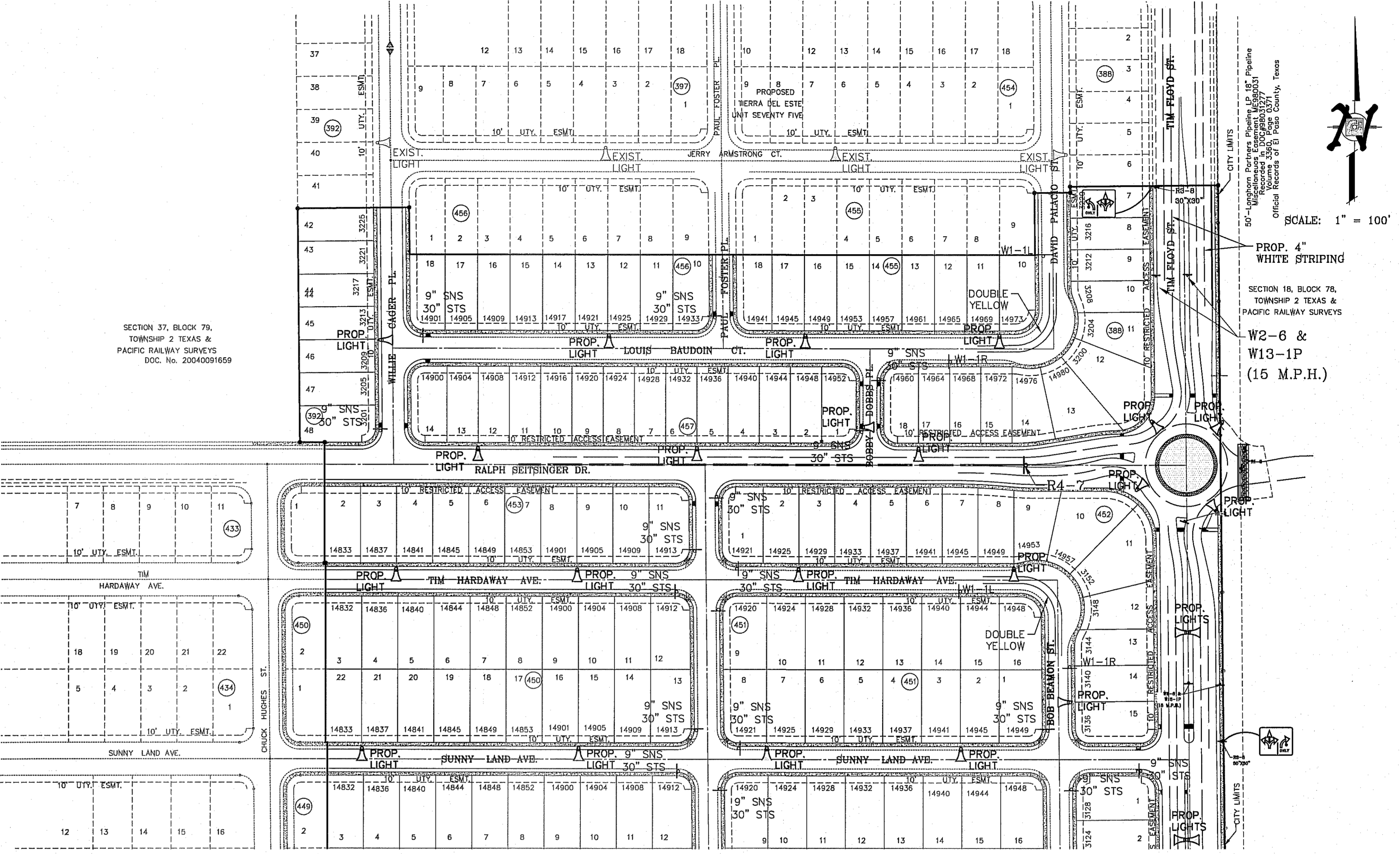
- ▲ PROPOSED LIGHT
- * EXISTING LIGHT
- ⊥ STOP SIGN WITH STREET NAME

NOTE: STREET LIGHTING TO BE IN ACCORDANCE WITH EL PASO DESIGN STANDARDS, SECTION VIII

NOTE: INSTALL TRAFFIC CONTROL DEVICES AS SHOWN AND IN ACCORDANCE WITH CITY OF EL PASO DESIGN STANDARDS, SECTION VII

- 1 MOUNT SO THAT PHOTO CELL IS FACING NORTH.
- 2 ITEM #9 SHALL NOT BE SPLICED INSIDE ITEM #5.
- 3 INSTALLATION MUST COMPLY WITH LOCAL CODE REQUIREMENTS.
- 4 FOR ANY CLARIFICATION, EXCEPTIONS OR QUESTIONS REGARDING THIS STANDARD, CALL THE EL PASO ELECTRIC COMPANY DISTRIBUTION DESIGN DEPARTMENT.

ITEM	No.	DESCRIPTION	STOCK/DSU No.	QTY.	C/U CODE	MACRO CODE
1		PHOTOCELL, 240 V-SEE NOTE 1	21-225	1		LCOBRAUG
2		HPS LAMP 100 W	21-085	1	LCOBRAHD	
3		LUMINAIRE, 100 W HPS	21-335	1		
4		SLEEVES, #12-10	05-140	2		
5		MAST ARM, 6' x 1 1/4"	21-200	1	LBRKRT*6	
6		MACHINE BOLT, 5/8" x 12"	02-470	1		
6		SQUARE GALV. WASHER, 2 1/4"x2 1/4"	02-760	1	LMB6/812	
6		COIL SPRING WASHER, 5/8"	02-786	1		
6		LOCK NUT, 5/8"	02-706	1		
7		SERVICE ENTRANCE CAP FOR 1" PVC CONDUIT	17-281	1	LSVCCAP1	
8		LAG BOLT, 1/2" x3"	02-343	2	LLAG12*3	
9		CABLE #10, 2 CONDUCTOR, 600V, UF	13-600	8'	L2C#10S	
10		COPPER CBL, #12, 19 SOLID, 600V BLUE	13-702	60'	LC#12CU	
11		SCHEDULE 80 1" PVC CONDUIT	17-280	30'	LSCH801	
12		PIPE STRAP FOR 1" PVC CONDUIT 2 HOLE	17-283	7	LPVSTRP	
13		NAIL, STAINLESS STEEL SCREW 2.5"	14-427	.25#	LNAL14*2	
14		POLE, 36" CLASS 4	09-035	1	L364UG	
15		1" PVC 90 DEGREE ELBOW	17-297	1	LEL901	
16		1" PVC CONDUIT	17-299	AS REQ'D	LPVC1	
17		1" PVC 45 DEGREE ELBOW	17-298	1	LEL451	
18		1" PVC COUPLING	17-296	1	LCPLG1	



BENCHMARK
CITY MONUMENT AT THE CENTERLINE INTERSECTION OF RALPH SEITSINGER DR. AND GALICENO PL. ELEVATION 4025.63
DATE 03/05/14
BY R.R.

PROJECT NAME
TIERRA DEL ESTE UNIT 76
BRING PORTION OF SECTION 18, BLOCK 78, AND PORTION OF SECTIONS 37 AND 48, AND BLOCK 79, TOWNSHIP 2, TEXAS AND PACIFIC RAILWAY CO. SURVEY, CITY OF EL PASO, EL PASO COUNTY, TEXAS CONTAINING: 86.09± ACRES

SCALE
HORIZ: 1" = 100'
VERT: ---
DATE: MAY 2013
DESIGNED BY: Y.C.
INITIATED BY: R.R.
CHECKED BY: Y.C.
JOB NO.: 113-36

ENGINEER'S SEAL

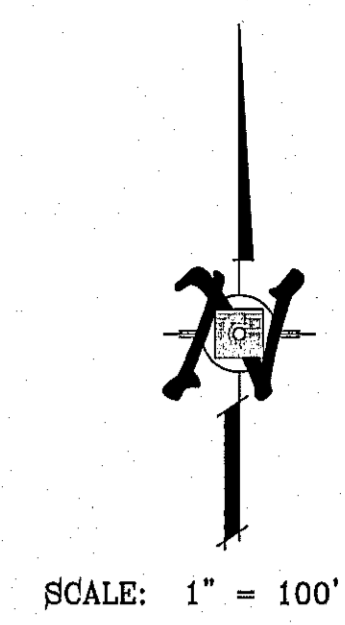
CONDE INC.
ENGINEERING / PLANNING
SURVEYING / GPS
6080 SUBEITY DR. STE 100
EL PASO, TEXAS 79905
PHONE: (915) 592-0283
FAX: (915) 592-0286



SHEET TITLE
ILLUMINATION AND TRAFFIC CONTROL PLAN



FILE LOCATION s:_subdivisions\TDE 76 DWG\ILLUMINATION PLAN PLOTTED ON Monday, September 29, 2014 2:57:23 PM BY RUBEN RIVERA



BENCHMARK

CITY MONUMENT AT THE CENTERLINE INTERSECTION OF RALPH SEITSINGER DR. AND GALICENO PL. ELEVATION 4025.83

DATE	03/05/14	BY	R.R.
REVISIONS			
POND SIZE INCREASE AND SLOPE CHANGE TO 3:1			

PROJECT NAME

TERRA DEL ESTE UNIT 76

BRING PORTION OF SECTION 18, BLOCK 76, AND PORTION OF SECTIONS 37 AND 48, AND BLOCK 79, TOWNSHIP 2, TEXAS AND PACIFIC RAILWAY CO. SURVEYS, CITY OF EL PASO, EL PASO COUNTY, TEXAS CONTAINING: 86.09± ACRES

SCALE

HORIZ: 1" = 100'

VERT: ---

DATE: MAY 2013

DESIGN BY: Y.C.

INITIATED BY: R.R.

CHECKED BY: Y.C.

JOB NO.: 113-25

ENGINEER'S SEAL

CONDE INC.

ENGINEERING / PLANNING
SURVEYING / GPS

6080 SUPREMY DR. STE 100
EL PASO, TEXAS 79905

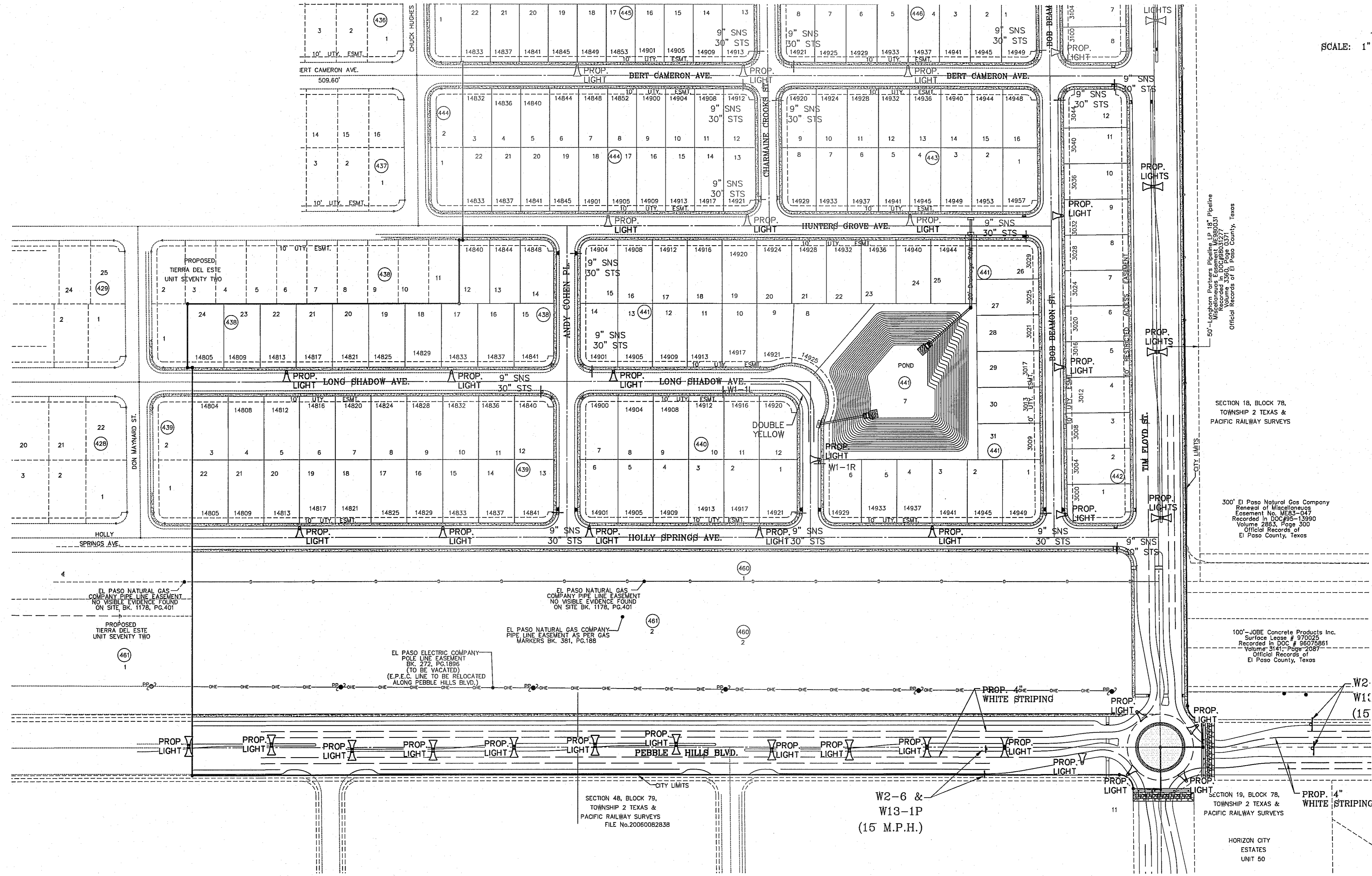
PHONE: (915) 592-0283
FAX: (915) 592-0286



SHEET TITLE

ILLUMINATION AND TRAFFIC CONTROL PLAN

FILE LOCATION: s:\subdivisions\76 DWG\ILLUMINATION PLAN PLOTTED ON Monday, September 29, 2014 2:57:27 PM BY RUBEN RIVERA



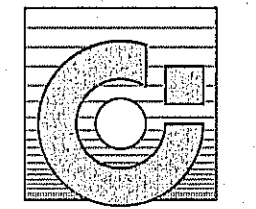
SCALE: 1" = 100'



ILLUMINATION AND TRAFFIC CONTROL PLAN

SHEET TITLE

CONDE INC.
REGISTRATION No. F-2321



CONDE INC.
ENGINEERING / PLANNING
SURVEYING / GPS
6080 SURETY DR. STE 100
EL PASO, TEXAS 79905
PHONE: (915) 592-0283
FAX: (915) 592-0286

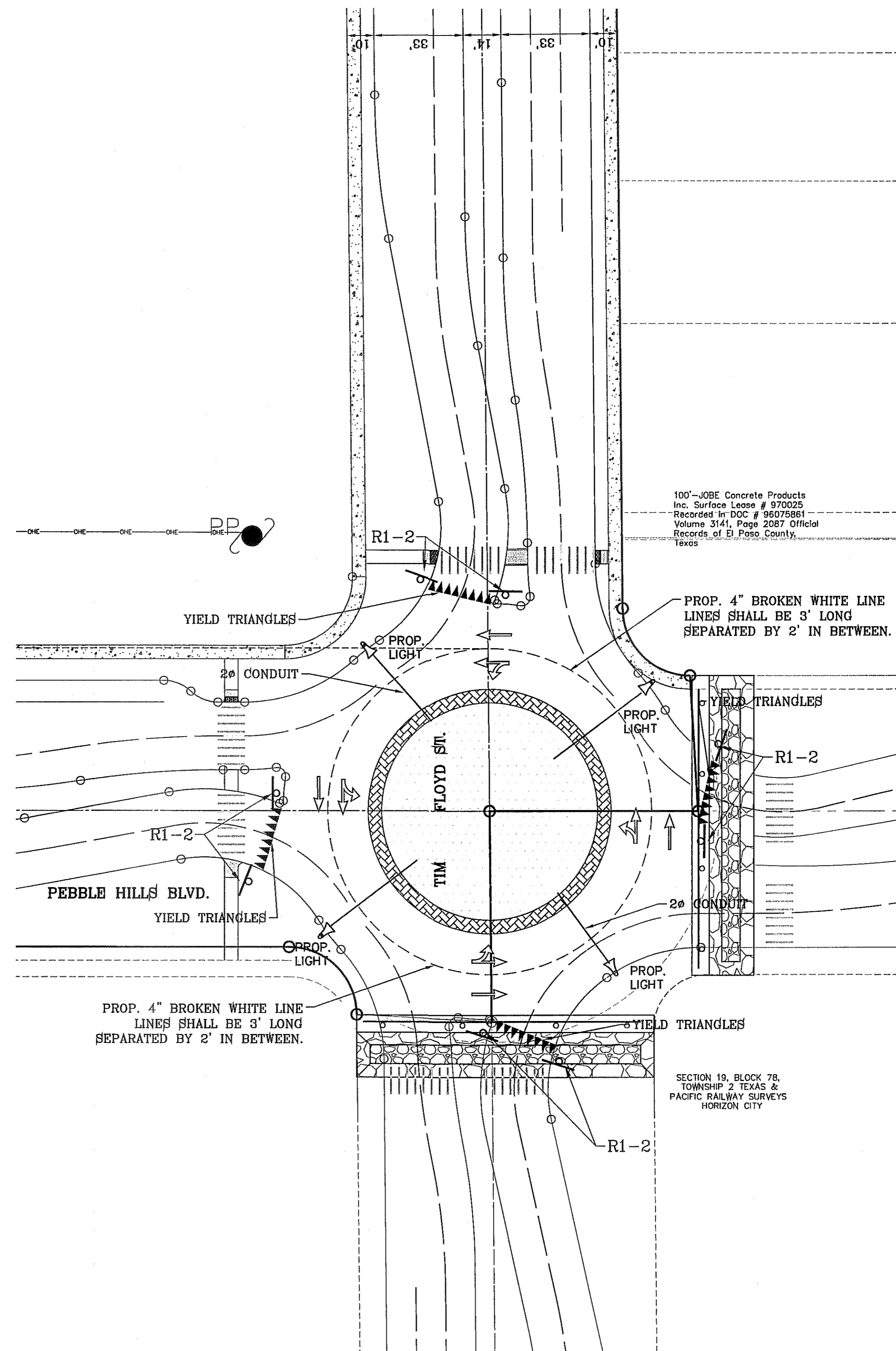
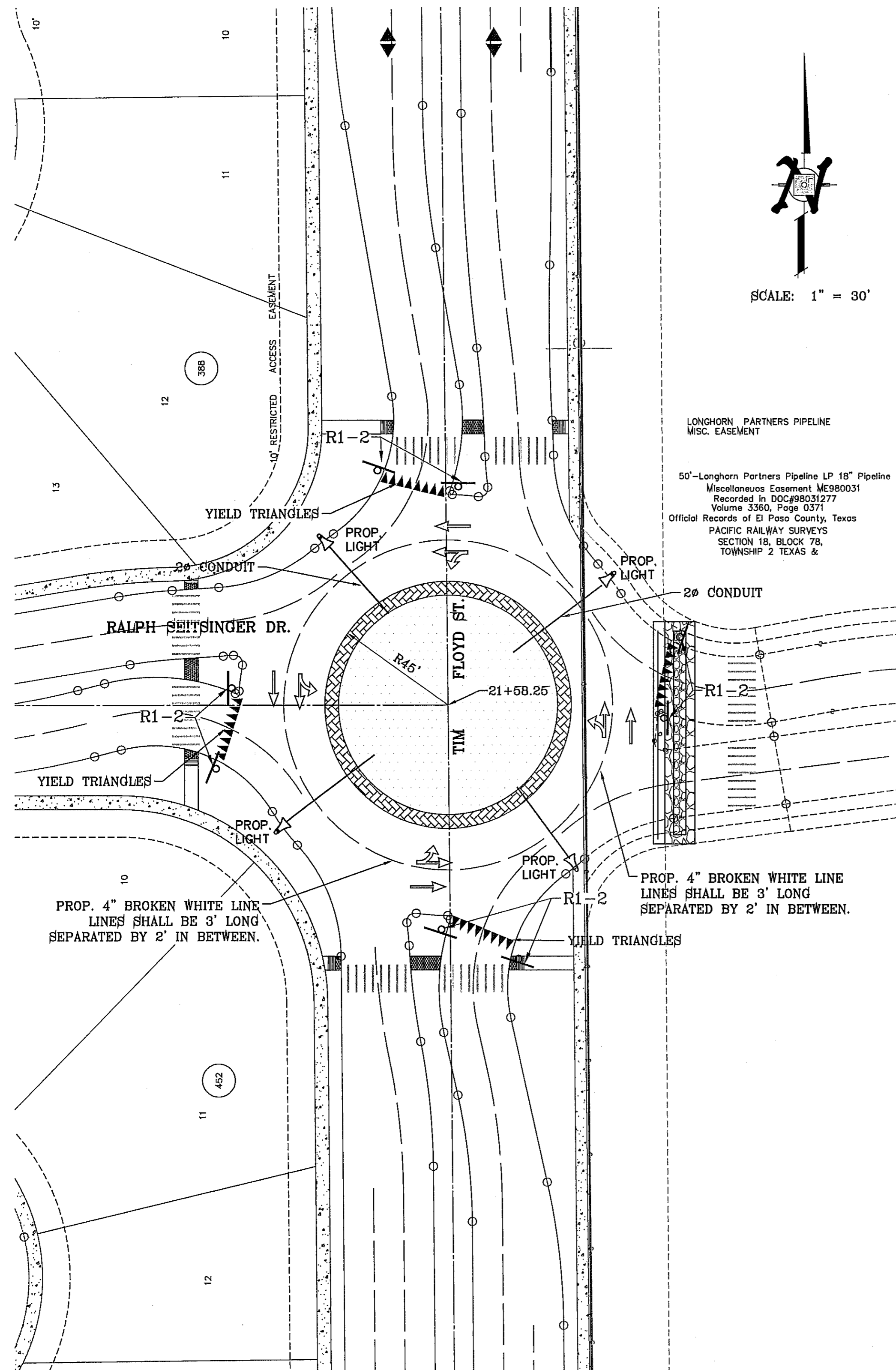
ENGINEER'S SEAL

SCA I E
HORIZ: 1" = 100'
VERT: ---
DATE: MAY 2013
DESIGNED BY: Y.C.
INITIATED BY: R.R.
CHECKED BY: Y.C.
JOB NO.: 113-95

PROJECT NAME
TIERRA DEL ESTE UNIT 76
BRING PORTION OF SECTION 18, BLOCK 78,
AND PORTION OF SECTIONS 37 AND 48,
AND BLOCK 79, TOWNSHIP 2, TEXAS
AND PACIFIC RAILWAY CO. SURVEYS,
CITY OF EL PASO, EL PASO COUNTY, TEXAS
CONTAINING: 86.09± ACRES

BENCHMARK
CITY MONUMENT AT THE CENTERLINE INTERSECTION OF
RALPH SEITZINGER DR. AND GALLICENO PL.
ELEVATION 4055.83
BY: R.R.
DATE: 03/05/14
REVISIONS TO LOTS ON BLOCKS 438-442
REVISIONS TO LOTS ON BLOCKS 438-442

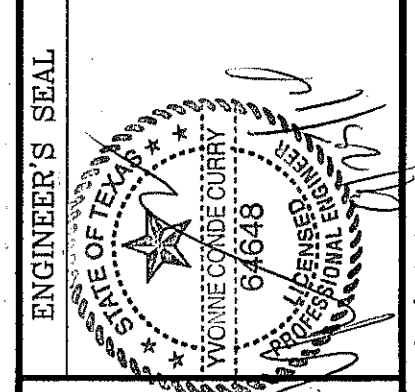
FILE LOCATION G:\Subdivisions\TDE 76\DWG\PP-ROUNDBOUTS-TM FLOYD PLOTTED ON Tuesday, September 16, 2014 1:09:28 PM BY RUBEN RIVERA



BENCHMARK	
CITY MONUMENT AT THE CENTERLINE INTERSECTION OF RALPH SEITSINGER DR. AND GALICENO PL.	ELEVATION 4025.83
DATE	05/05/14
BY	R.R.
REVISIONS	POND SIZE INCREASE AND SLOPE CHANGE TO 3:1

PROJECT NAME
TIERRA DEL ESTE UNIT 76
 BEING PORTION OF SECTIONS 18, BLOCK 78, AND PORTION OF SECTIONS 37 AND 48, BLOCK 79, TOWNSHIP 2, TEXAS, AND PACIFIC RAILWAY CO. SURVEYS, CITY OF EL PASO, EL PASO COUNTY, TEXAS CONTAINING: 86.09± ACRES

SCALE
 HORIZ: 1" = 30'
 VERT: 1" = 10'
 DATE: MAY 2013
 DESIGN BY: Y.C.
 INITIATED BY: R.R.
 CHECKED BY: Y.C.
 JOB NO.: 113-36



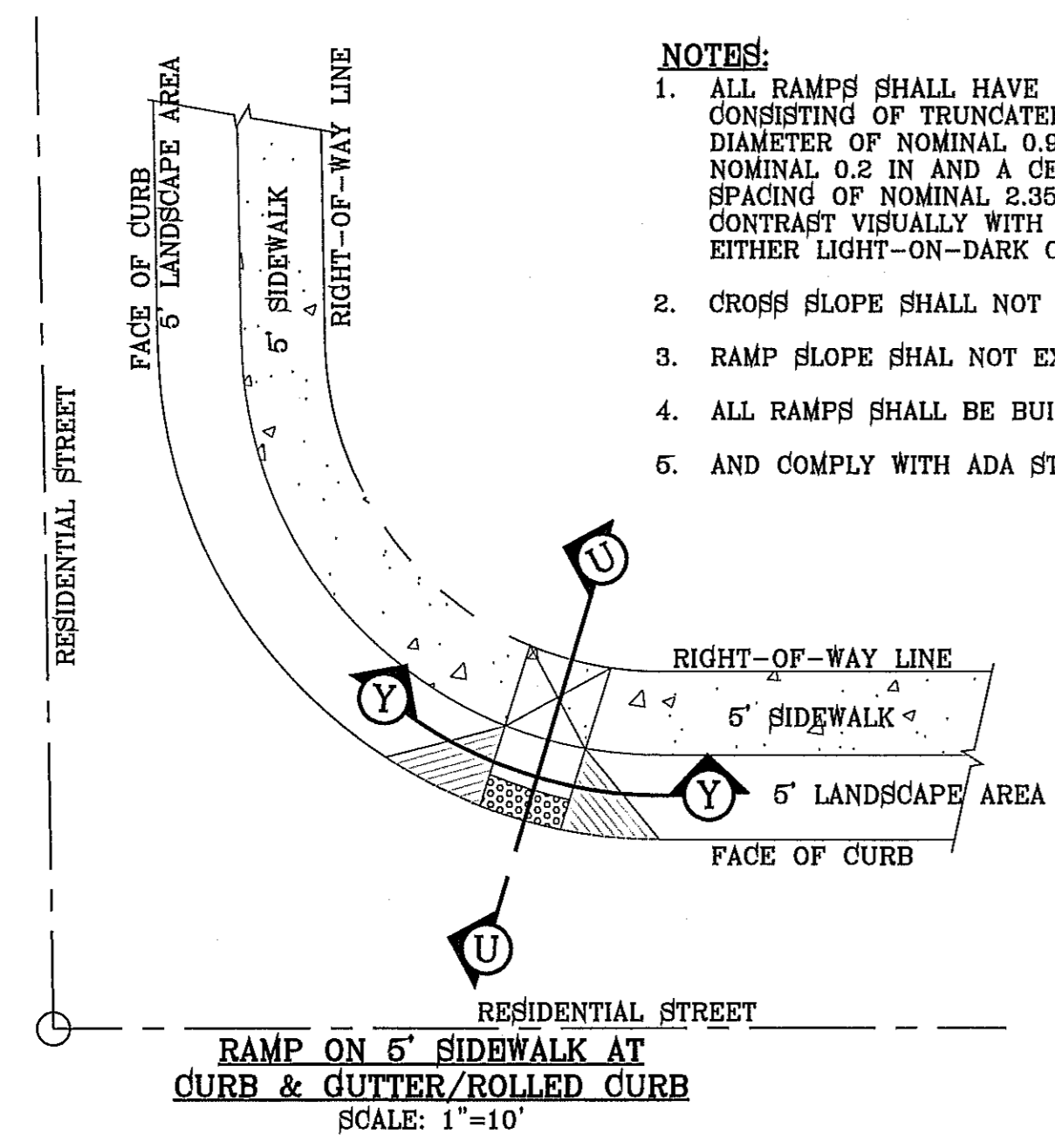
CONDE INC.
 ENGINEERING / PLANNING
 SURVEYING / GPS
 6090 SURVEY DR. SUITE 100
 EL PASO, TEXAS 79905
 PHONE: (915) 592-0283
 FAX: (915) 592-0286

CONDE INC.
 REGISTRATION No. P-2211

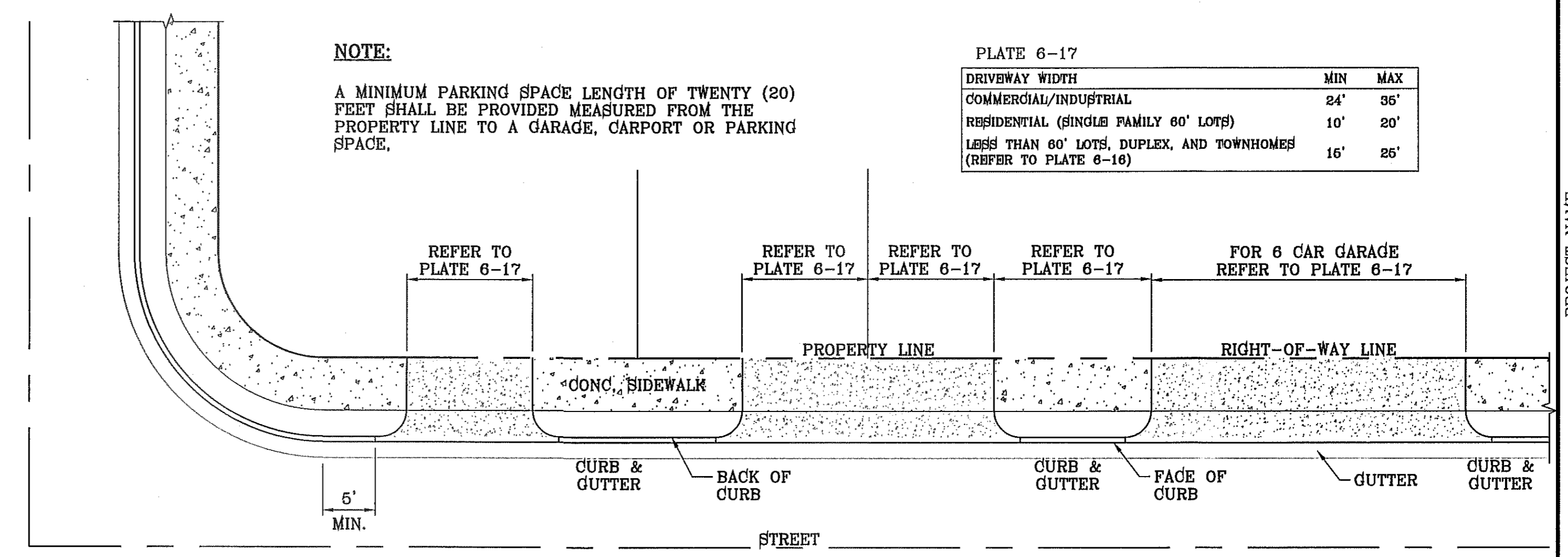
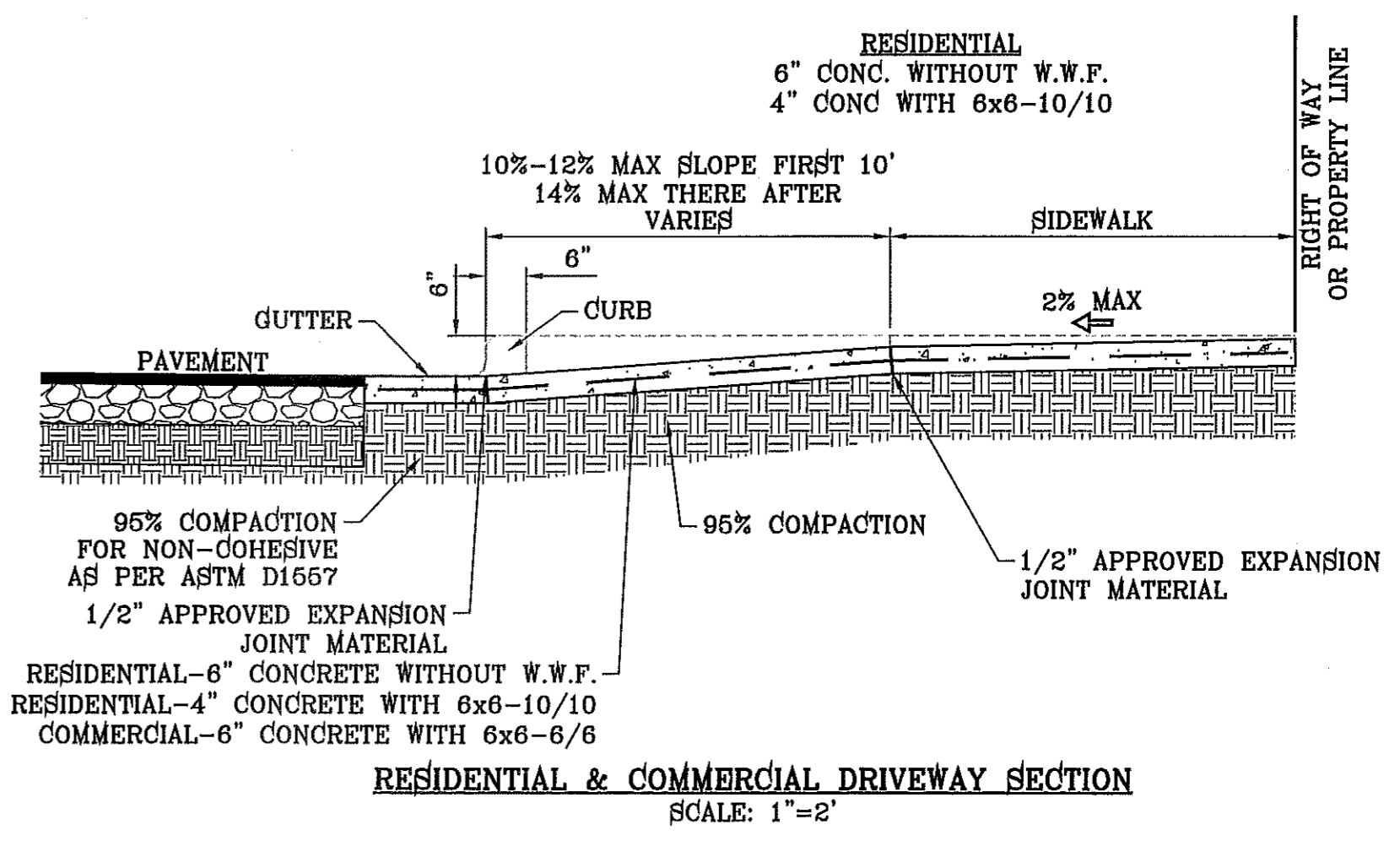
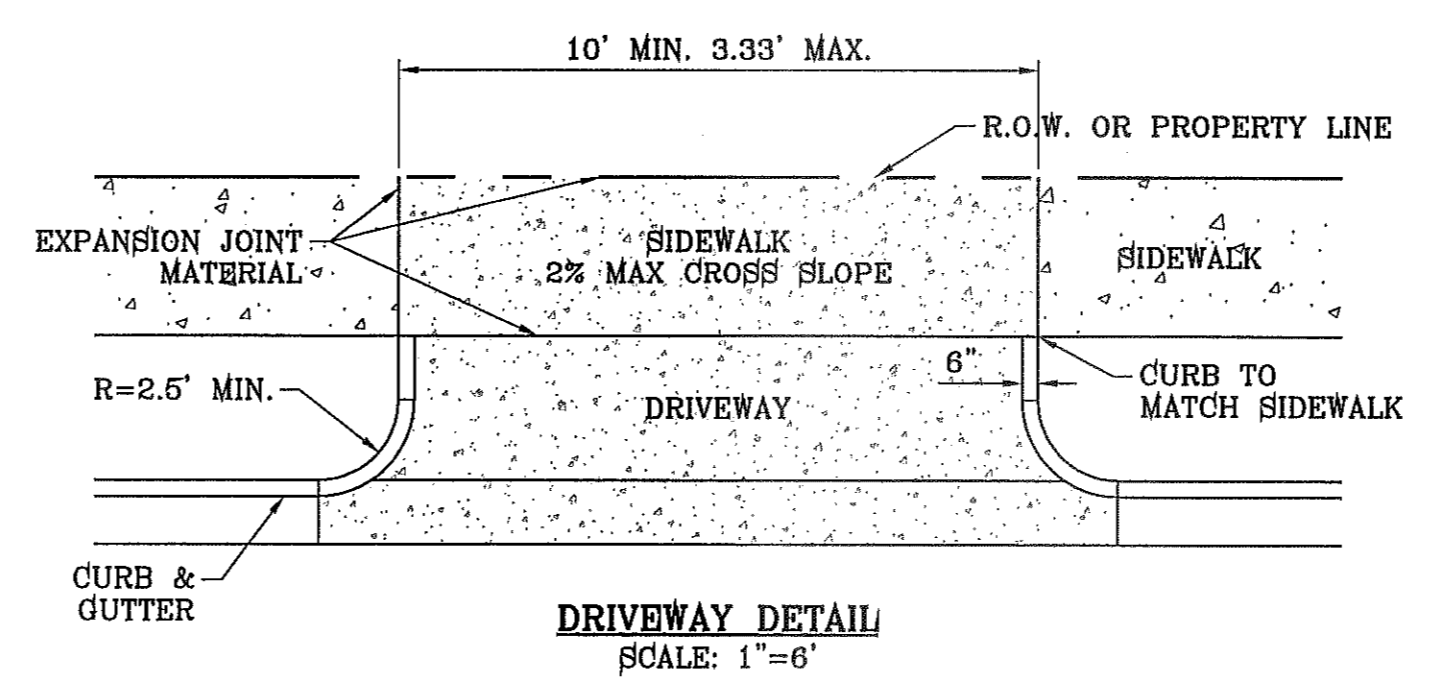
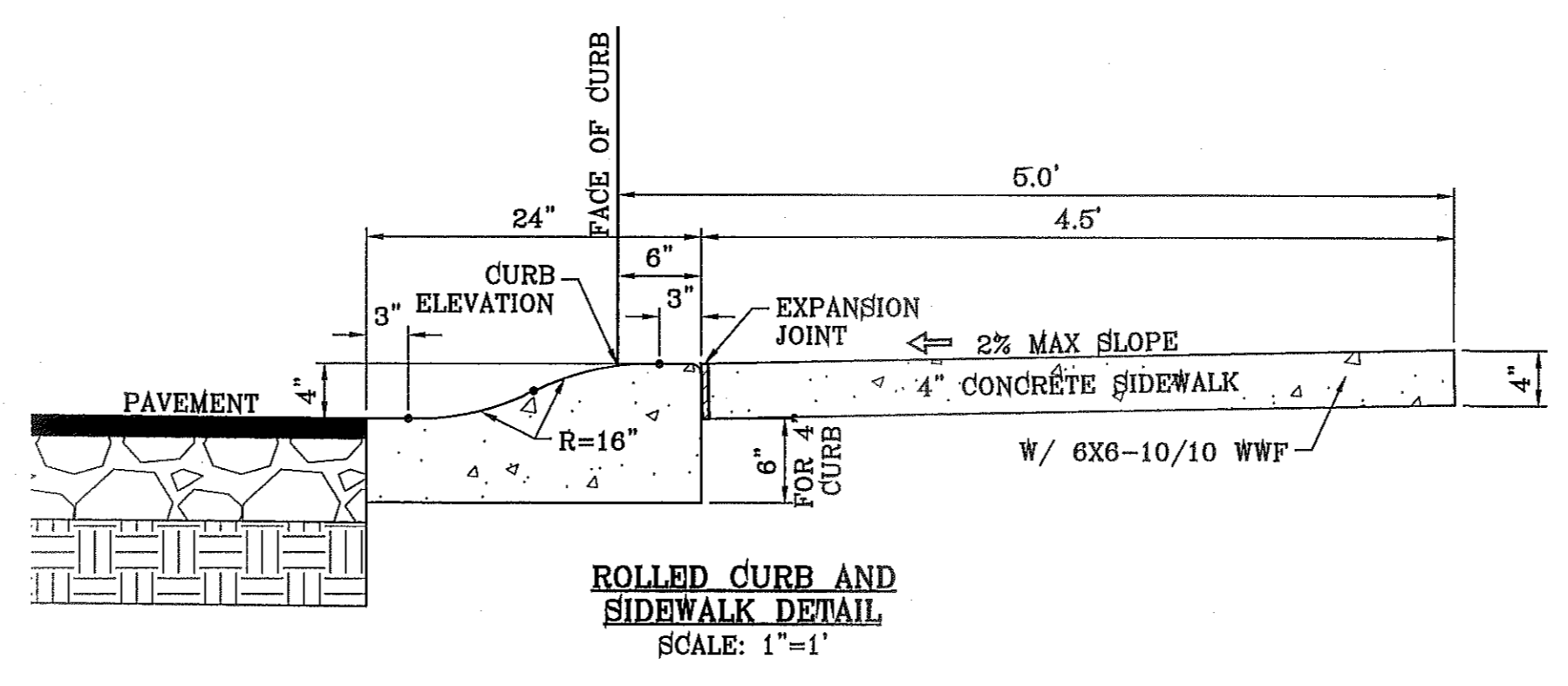
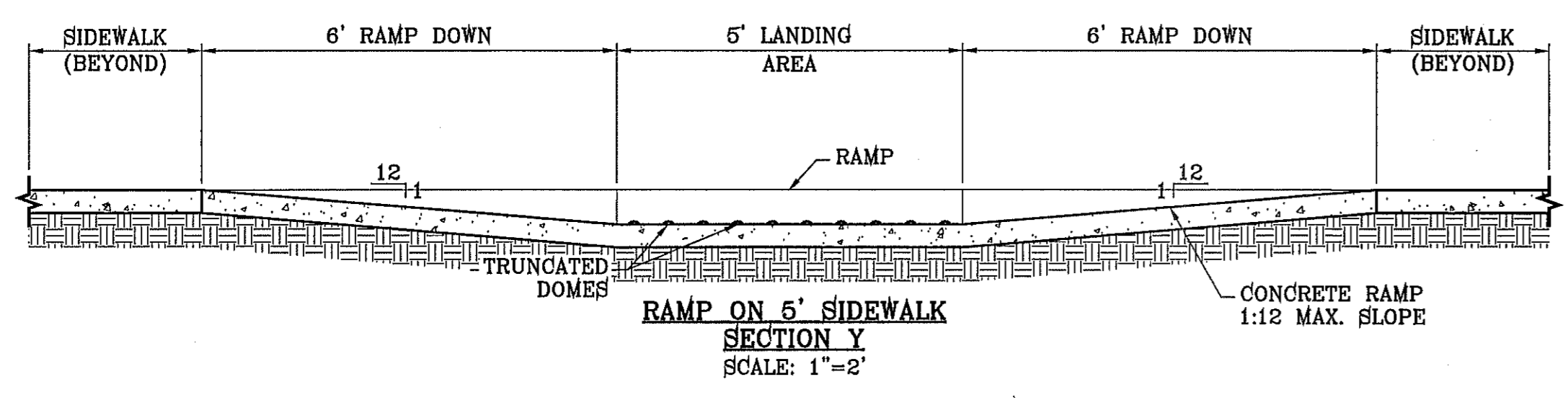
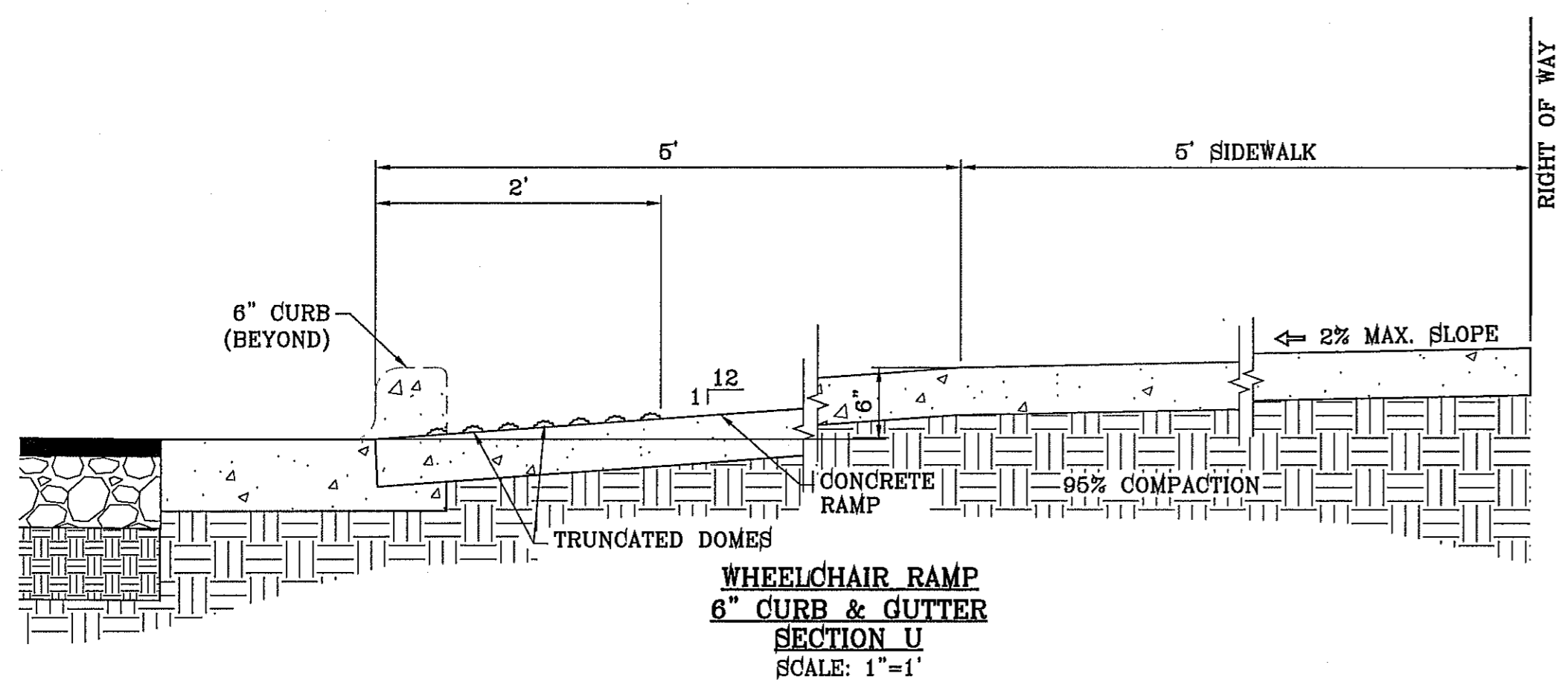
SHEET TITLE
TIM FLOYD DR. ROUNDBOUT TRAFFIC CONTROL

SHT 69 OF 72

FILE LOCATION: \\Subdivisions\TDE 76\DWG\DETAIL sheet PLOTTED ON Tuesday, September 16, 2014 1:09:40 PM BY RUBEN RIVERA



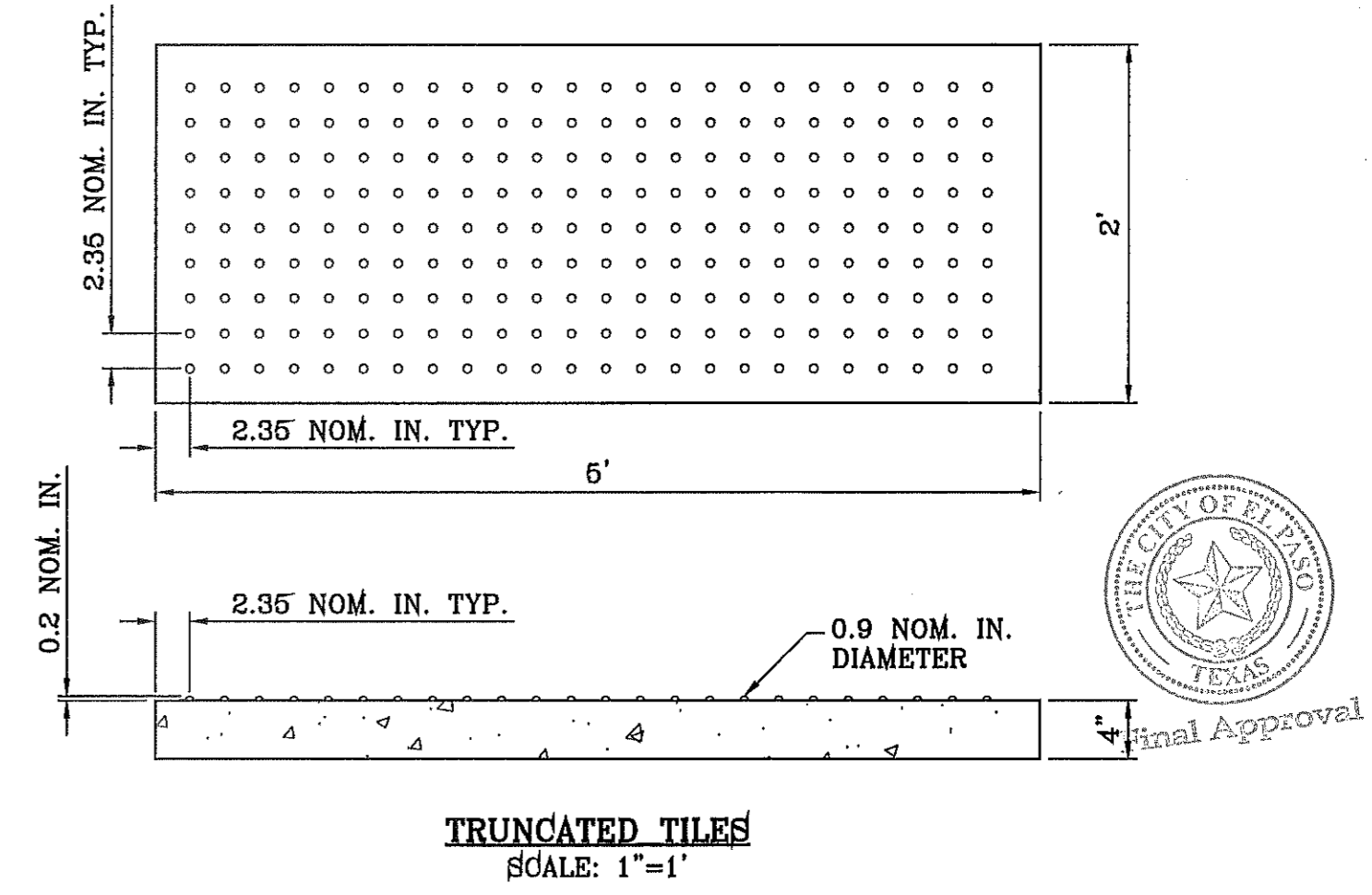
- NOTES:**
1. ALL RAMP(S) SHALL HAVE DETECTABLE WARNING(S) CONSISTING OF TRUNCATED DOMES WITH A DIAMETER OF NOMINAL 0.9 IN., A HEIGHT OF NOMINAL 0.2 IN AND A CENTER-TO-CENTER SPACING OF NOMINAL 2.35 IN. AND SHALL CONTRAST VISUALLY WITH ADJOINING SURFACES, EITHER LIGHT-ON-DARK OR DARK-ON-LIGHT.
 2. CROSS SLOPE SHALL NOT EXCEED 1:50
 3. RAMP SLOPE SHALL NOT EXCEED 1:12
 4. ALL RAMP(S) SHALL BE BUILT BY DEVELOPER
 5. AND COMPLY WITH ADA STANDARD(S)



NOTE:
A MINIMUM PARKING SPACE LENGTH OF TWENTY (20) FEET SHALL BE PROVIDED MEASURED FROM THE PROPERTY LINE TO A GARAGE, CARPORT OR PARKING SPACE.

DRIVEWAY WIDTH	MIN	MAX
COMMERCIAL/INDUSTRIAL	24'	35'
RESIDENTIAL (SINGLE FAMILY 60' LOTS)	10'	20'
LESS THAN 60' LOTS, DUPLEX, AND TOWNHOMES	16'	25'

REFER TO PLATE 6-17 FOR 6 CAR GARAGE REFER TO PLATE 6-17



BENCHMARK

CITY MONUMENT AT THE CENTERLINE INTERSECTION OF RALPH SEITZINGER DR. AND GALICENO PL. ELEVATION 4025.83

REVISIONS

DATE	BY	R.R.
03/05/14		

DATE: 03/05/14
POND SIZE INCREASE AND SLOPE CHANGE TO 3:1

PROJECT NAME
TIERRA DEL ESTE UNIT 76

BEING PORTION OF SECTION 18, BLOCK 78, AND PORTION OF SECTIONS 37 AND 48, BLOCK 79, TOWNSHIP 2, TEXAS AND PACIFIC RAILWAY CO. SURVEYS, CITY OF EL PASO, EL PASO COUNTY, TEXAS CONTAINING: 86.09± ACRES

SCALE

HORIZ: AS NOTED
VERT: ---

ENGINEER'S SEAL
NOT REQUIRED.
THIS SHEET IS PRODUCED IN PROVISION OF SUBDIVISION DESIGN STANDARDS

DATE: MAY 2013
DESIGN BY: Y.C.
INITIATED BY: R.R.
CHECKED BY: Y.C.
JOB NO.: 113-35

CONDE INC.
ENGINEERING / PLANNING
SURVEYING / GPS
6090 SURVEY DR. STE 100
EL PASO, TEXAS 79905
PHONE: (915) 592-0283
FAX: (915) 592-0286

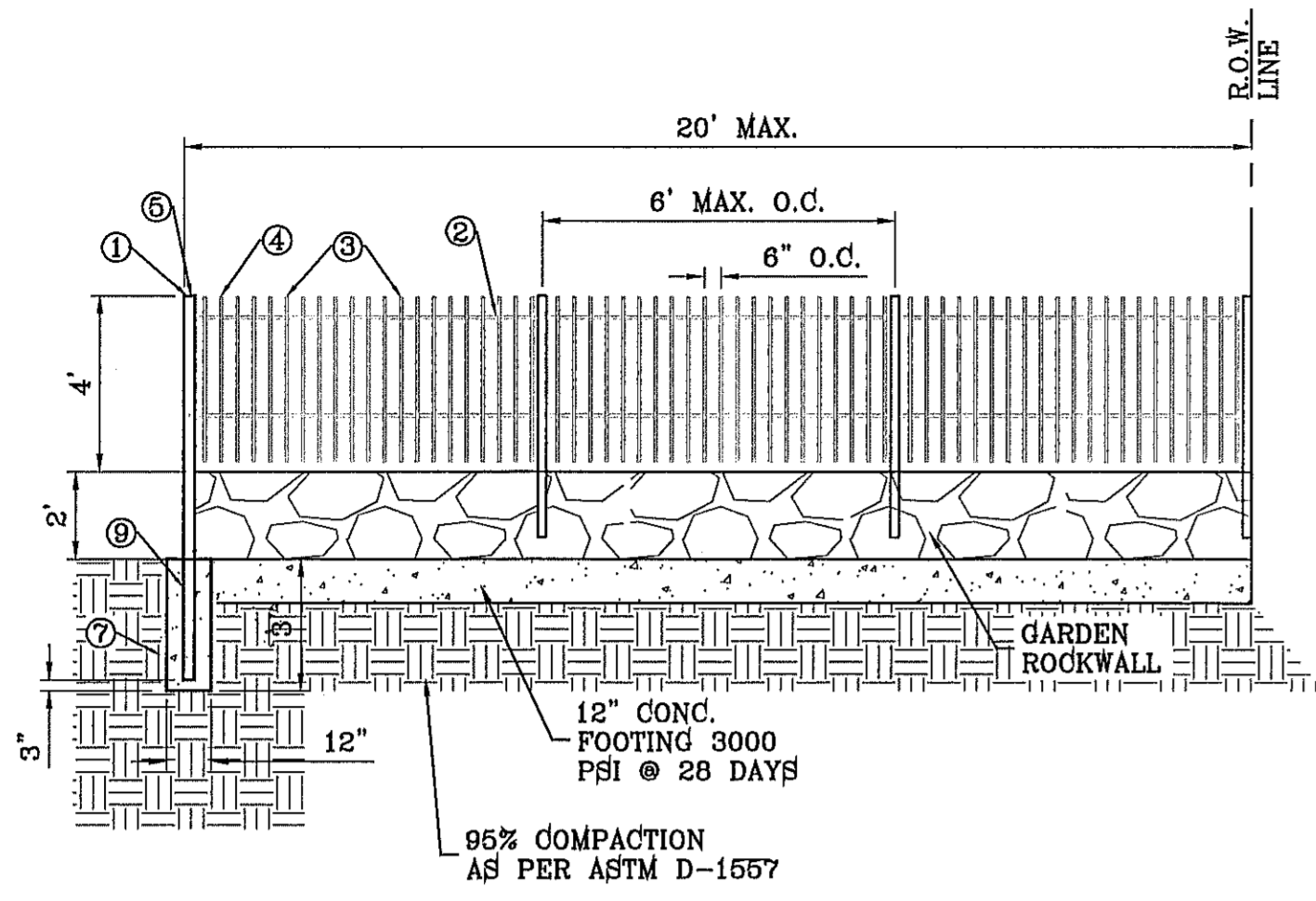
CONDE INC.
REGISTRATION No. F-2221

SHEET TITLE

STANDARD DETAILS

SHT 71 OF 72

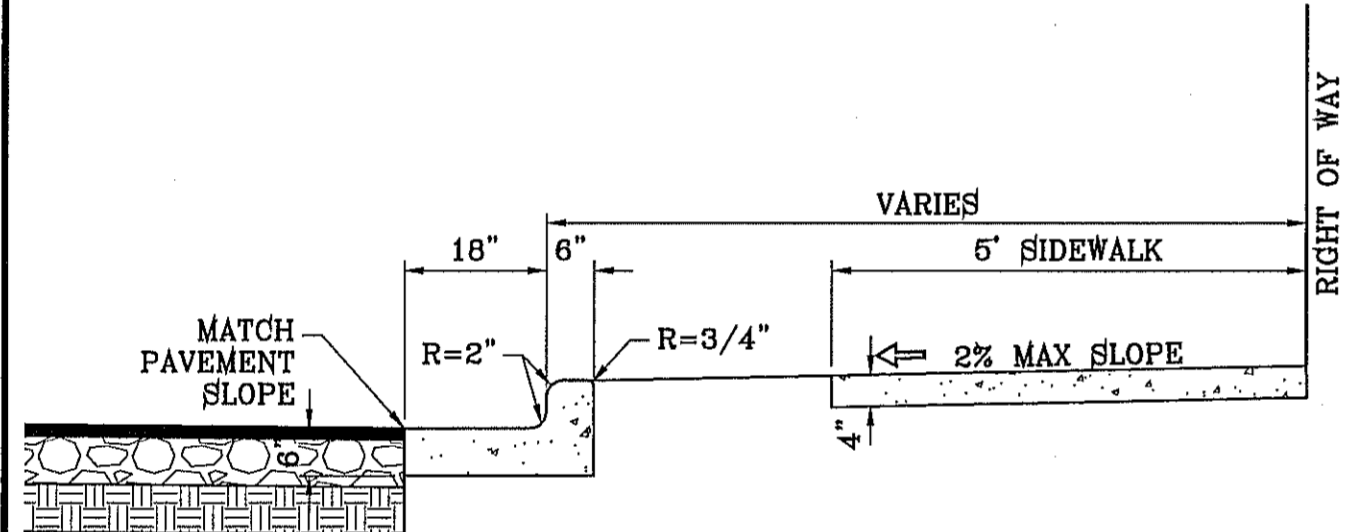
FILE LOCATION: s:\Subdivisions\76 DWG\DETAIL sheet PLOTTED ON Tuesday, September 16, 2014 1:09:44 PM BY RUBEN RIVERA



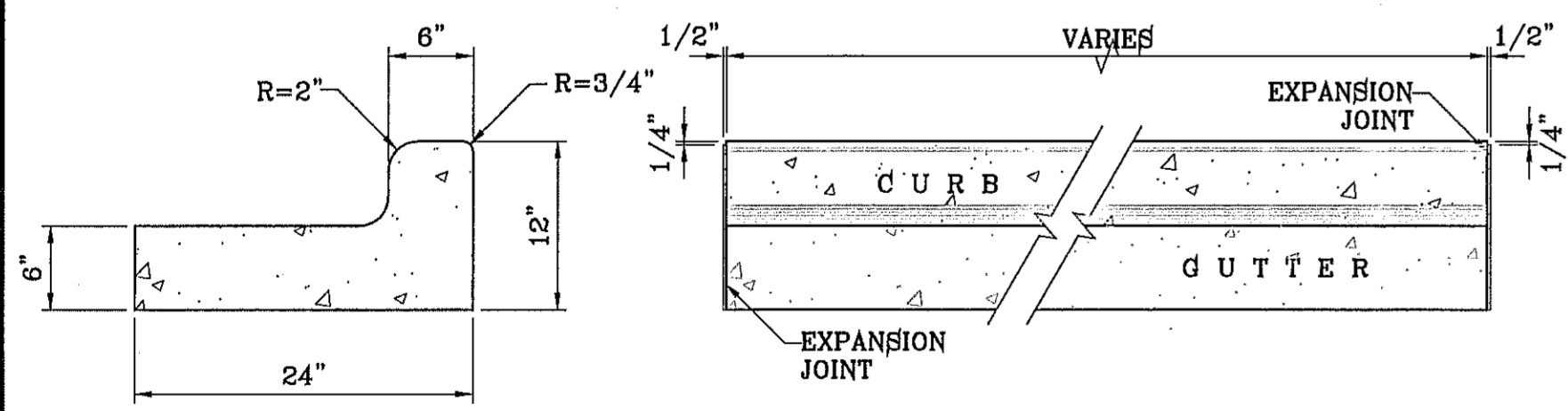
WROUGHT IRON FENCE DETAIL
SCALE: 1"=4'

KEY NOTES

- ① 3" x 3" x 3/8" SQUARE TUBING
- ② 2" x 1" x 1/4" GA. RECTANGULAR STEEL TUBING
- ③ 1-1/2" x 1/2" x 1/8" GA. RECTANGULAR STEEL TUBING
- ④ 2" x 1" x 10 GA. RECTANGULAR STEEL TUBING
- ⑤ FLAT TOP POLYVINYL CAP
- ⑥ BOLT HOOK AND STRAP HINGE
- ⑦ 1' x 3' DEEP 3000 PSI CONCRETE POST FOOTING
- ⑧ DOUBLE GATE HEAVY DUTY INDUSTRIAL LATCH W/ PAD LOCK
- ⑨ 6" x 6" x 3/8" SQUARE STEEL SLEEVE W/ 7" x 7" x 3/8" STEEL BASE PLATE
- ⑩ CANE BOLT LATCH W/ KEEPER 5-8" x 18" LONG (2 REQUIRED)

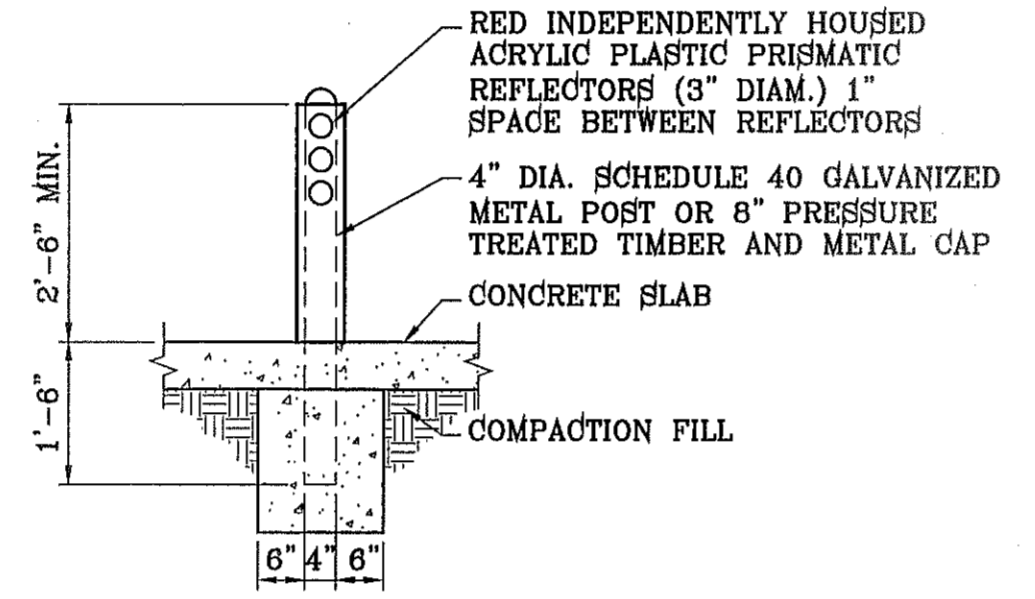


CURB & GUTTER AND SIDEWALK DETAIL
SCALE: 1"=2'

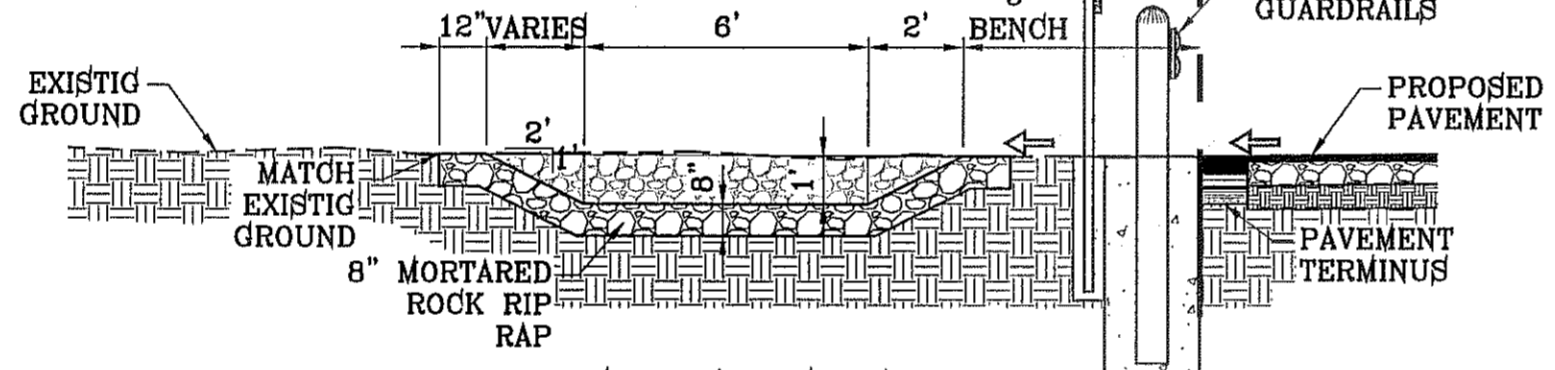


CURB & GUTTER DETAIL
SCALE: 1"=1'

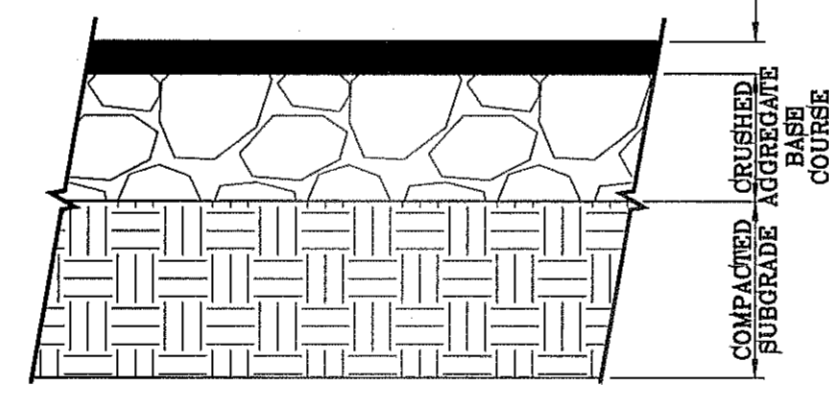
- NOTES:**
1. NO EXPANSION JOINT WILL BE REQUIRED EXCEPT AT THE END OF CURB RETURNS. (POINT OF TANGENCY WITH STRAIGHT LINE).
 2. CONTRACTION JOINTS (1/2" INCH MIN.) MUST BE SCORD EVERY 10 FEET IN CURB AND GUTTER.
 3. ALL EXPANSION JOINTS WILL BE OF PREFORMED BITUMINOUS FIBER 1/2" INCH THICK.
 4. CONCRETE: CLASS "A" 3000 PSI.
 5. EXPANSION JOINTS REQUIRED AT 5' O.C. WHEN FORMING FOR CURBS.



BOLLARD DETAIL
SCALE: 1"=2'



DESILTING BASIN WITH GUARD RAIL DETAIL
SCALE: 1"=4'



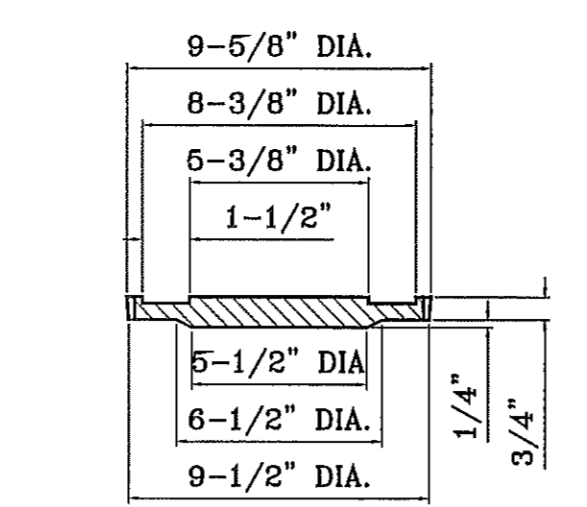
PAVEMENT SECTION DETAIL
SCALE: 1"=1'

PAVEMENT NOTES

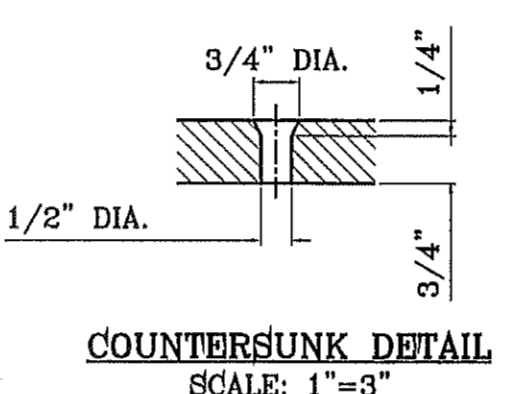
1. SUBGRADE TO BE COMPACTED TO 96% OF MAXIMUM DENSITY AS PER ASTM D1557.
2. BASE TO BE COMPACTED TO NOT LESS THAN 100% DENSITY IN ACCORDANCE WITH ASTM D1557, TYPE A, GRADE 1 OR 2.
3. BITUMINOUS MATERIAL SHALL CONFORM TO AC-10 OR AC-20, TYPE "C" IN ACCORDANCE WITH ASTM D3318.
4. PRIME COAT TO BE 0.25 GAL. PER SQUARE YARD (MINIMUM COVERAGE) MC-70.
5. COMPACTION TESTS WHERE REQUIRED BY THE CITY ENGINEER MUST BE PAID FOR BY THE DEVELOPER.
6. C.B.R. TESTS WILL BE REQUIRED AT 500 FOOT INTERVALS AFTER SUBGRADE IS PLACED AND/OR A MINIMUM OF TWO TESTS IF STREET IS LESS THAN 500 FEET.
7. STRICT VERTICAL CONTROL OF ALL CURB AND GUTTER ELEVATIONS WILL BE MAINTAINED. BLUE TOPPING WILL BE REQUIRED THROUGHOUT.
8. ALL PLANS MUST BE IN ACCORDANCE WITH THE LATEST EDITION OF THE CITY OF EL PASO SUBDIVISION DESIGN AND IMPROVEMENT STANDARDS.
9. HMAAC, BASE, SUB BASE WILL BE IN ACCORDANCE WITH THE LATEST CITY OF EL PASO SPECIFICATIONS.
10. MINIMUM PAVEMENT DESIGN DETAILS ARE SHOWN. ACTUAL PAVEMENT DESIGN WILL BE DETERMINED BY: C.B.R.

TRENCHING

ALL TRENCHING SHALL BE DONE IN STRICT ACCORDANCE WITH OSHA-2226.



COVER
SCALE: 1"=6"



COUNTERSUNK DETAIL
SCALE: 1"=3"

SIZE AND CONSTRUCTION:

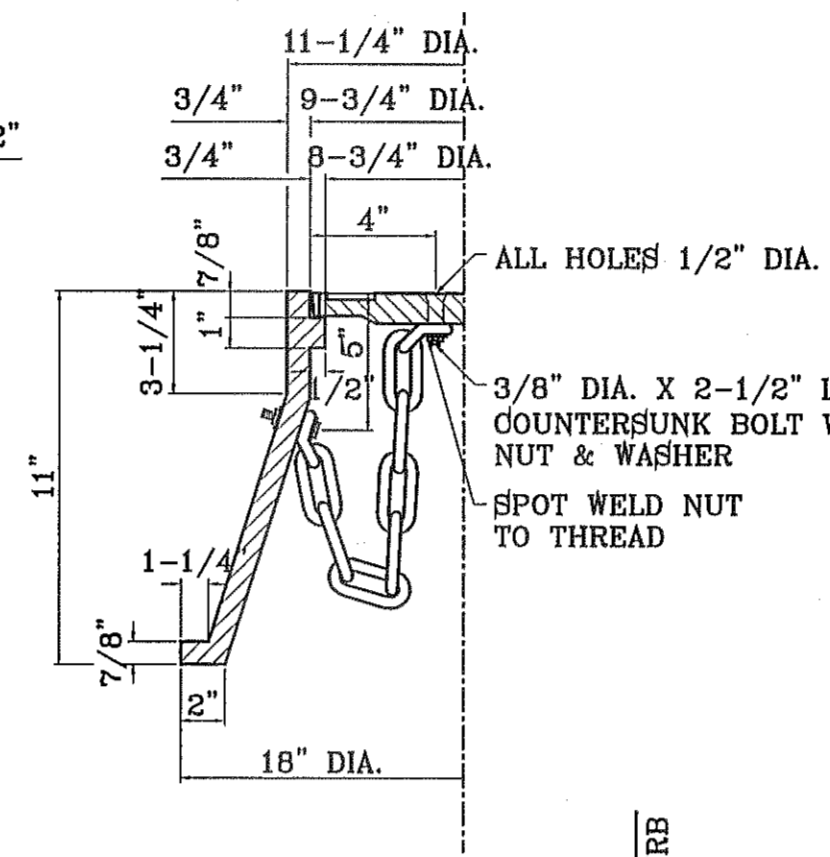
THE STANDARD CITY MONUMENT SHALL BE POURED-IN-PLACE CONCRETE CONE, EIGHT (8) INCHES MINIMUM DIAMETER AT THE TOP, EIGHTEEN (18) INCHES MINIMUM DIAMETER AT THE BOTTOM, THIRTY-SIX (36) INCHES MINIMUM IN DEPTH WITH THE MONUMENT CAP IN PLACE ON TOP.

THE MONUMENT SHALL BE COVERED WITH A CAST IRON BOX AND COVER.

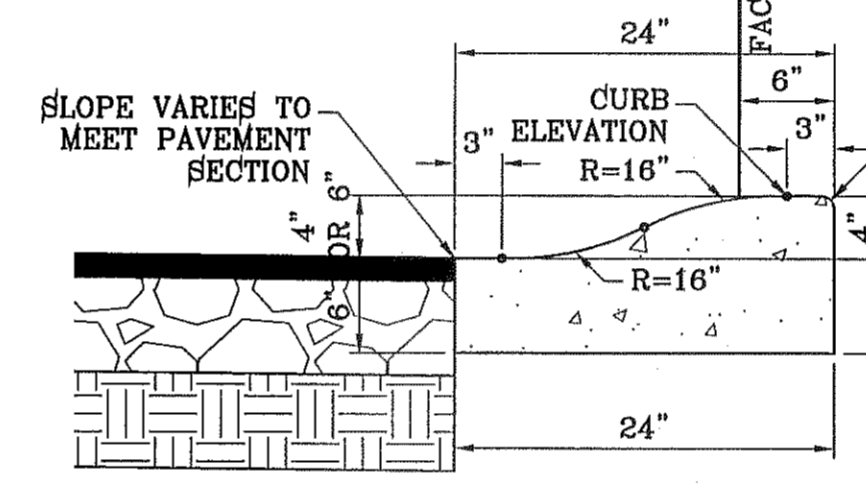
NUMBER AND LOCATIONS:

THE MONUMENTS SHALL BE INSTALLED WHERE SHOWN ON THE SUBDIVISION PLAT AS APPROVED BY THE CITY ENGINEER.

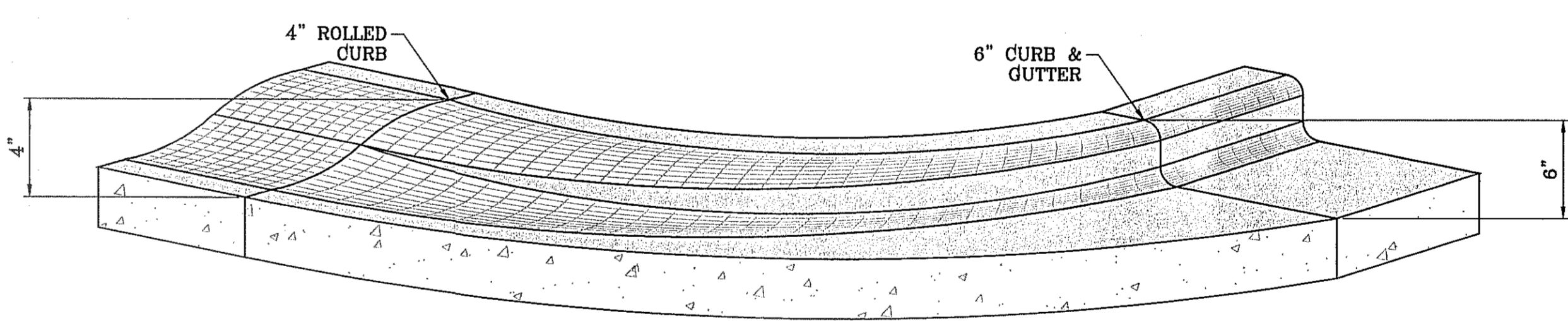
THE SIZE, TOPOGRAPHY AND LAYOUT OF THE SUBDIVISION SHALL GOVERN MONUMENT MUST BE WITHIN THE LINE OF SIGHT OF ANY OTHER MONUMENT (2000 FEET MAXIMUM DISTANCE BETWEEN MONUMENTS). THE NUMBER OF MONUMENTS REQUIRED.



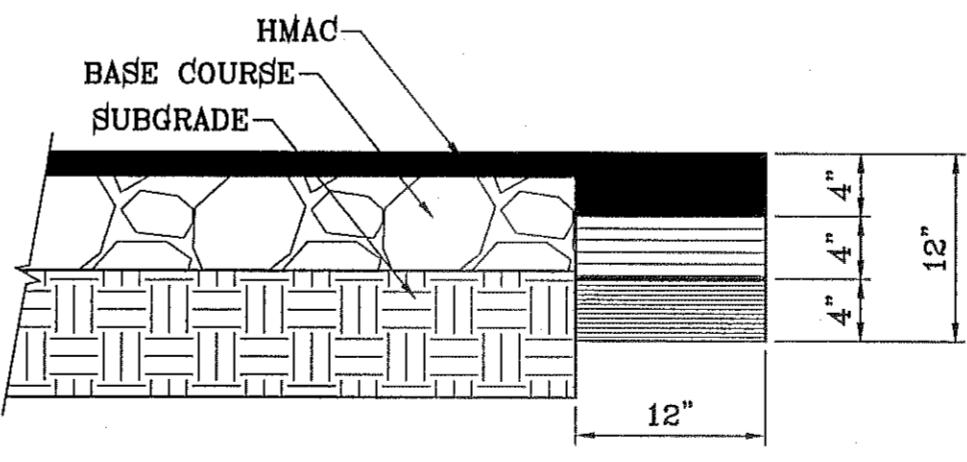
CITY MONUMENT DETAIL
SCALE: 1"=2"



ROLLED CURB DETAIL
SCALE: 1"=1'



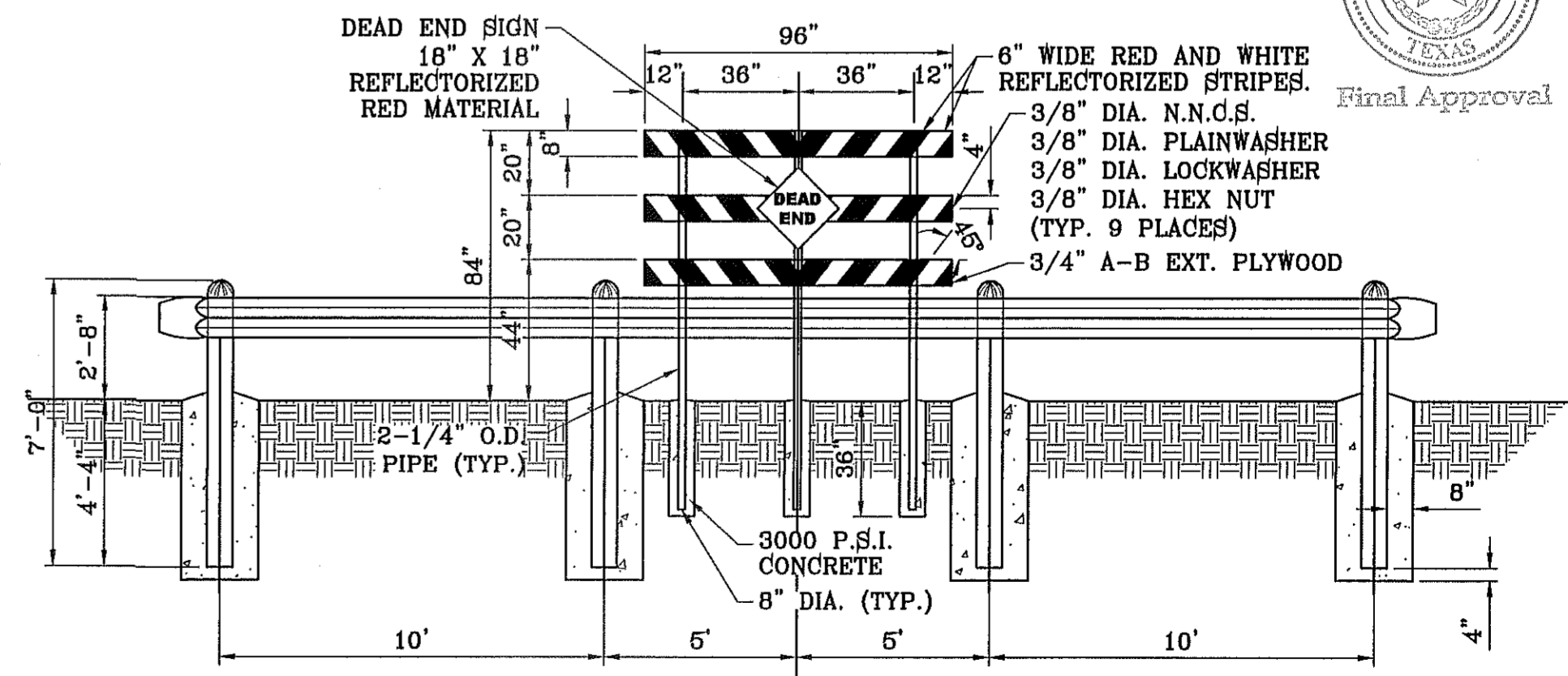
ROLLED CURB TO CURB & GUTTER TRANSITION
SCALE: 1"=1'



PAVEMENT TERMINUS
SCALE: 1"=1'

NOTE:

THICKENED EDGE SHALL BE CONSTRUCTED IN COURSED NOT OVER 4" IN THICKNESS, EACH COURSE THOROUGHLY COMPACTED BEFORE PLACING NEXT COURSE, FINAL COURSE TO BE PLACED MONOLITHIC WITH PAVEMENT.

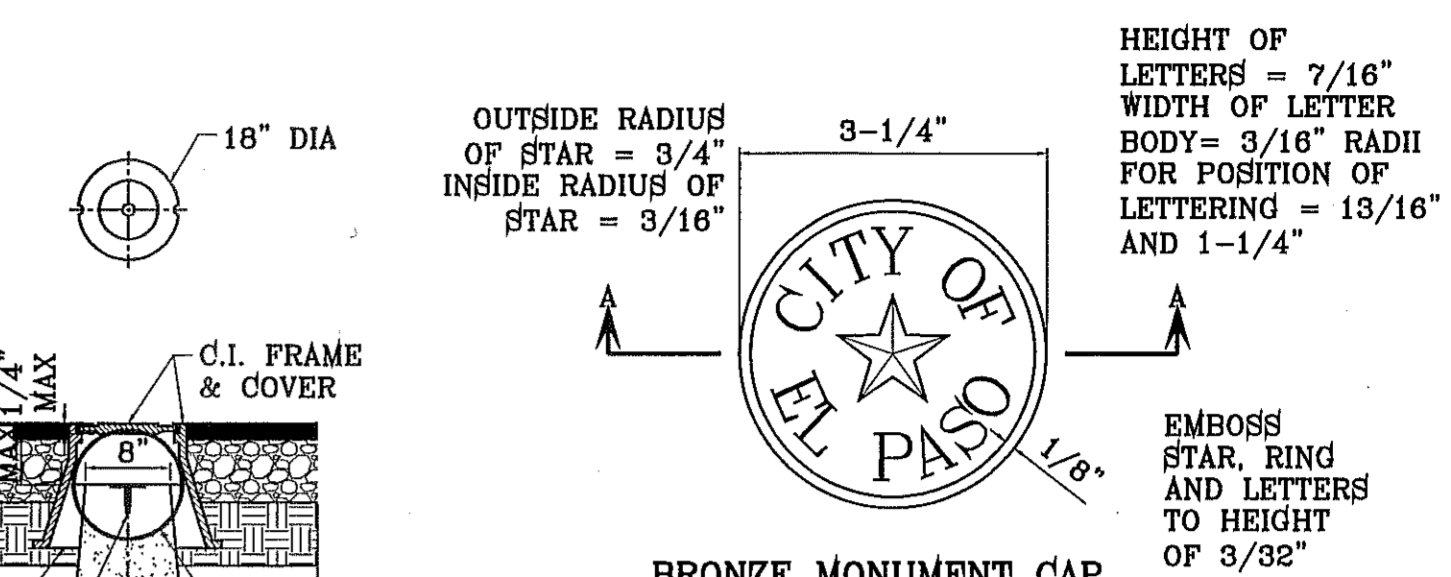


GUARD RAIL DETAIL
SCALE: 1"=4'

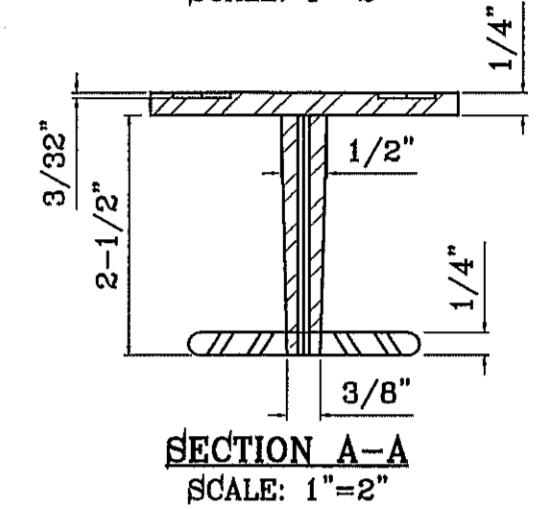
NOTE:
DEAD END SIGN TO BE USED WITH GUARDRAILS. RED AND WHITE PORTIONS TO BE REFLECTIVE SHEETING. DEAD END SIGN MUST COMPLY WITH THE CITY OF EL PASO SUBDIVISION DESIGN STANDARDS.

NO FEWER THAN TWO MONUMENTS SHALL BE PLACED IN A ONE STREET SUB-DIVISION.

AT LEAST ONE (1) MONUMENT SHALL BE PLACED ON EACH HORIZONTAL CURVE. TWO SHALL BE PLACED IF THE POINT OF INTERSECTION (P.I.) OF THE TANGENTS LEADING INTO THE CURVE FALLS OUTSIDE OF CITY RIGHT-OF-WAY. MONUMENTS SHALL BE INSTALLED SO THAT ALL FRONT PROPERTY CORNERS OF ALL LOTS IN THE SUBDIVISION ARE WITHIN LINE OF SIGHT OF A MONUMENT, OR WITHIN SIGHT OF LINE BETWEEN TWO ADJACENT MONUMENTS.



BRONZE MONUMENT CAP
SCALE: 1"=2"



SECTION A-A
SCALE: 1"=2"

HEIGHT OF LETTERS = 7/16"
WIDTH OF LETTER BODY = 3/16" RADII FOR POSITION OF LETTERING = 13/16" AND 1-1/4"

EMBOSSE STAR, RING AND LETTERS TO HEIGHT OF 3/32"

BENCHMARK	CITY MONUMENT AT THE CENTERLINE INTERSECTION OF RALPH SEITZINGER DR. AND CALICENO PL. ELEVATION 4025.83
DATE	03/05/14
REVISIONS	
BY	R.R.
R.R.	

PROJECT NAME
TIERRA DEL ESTE UNIT 76
BEING PORTION OF SECTION 16, BLOCK 76, AND BLOCK 79, TOWNSHIP 2, SURVEYS, AND PACIFIC RAILWAY CO. SURVEYS, CITY OF EL PASO, EL PASO COUNTY, TEXAS CONTAINING: 86.09+ ACRES

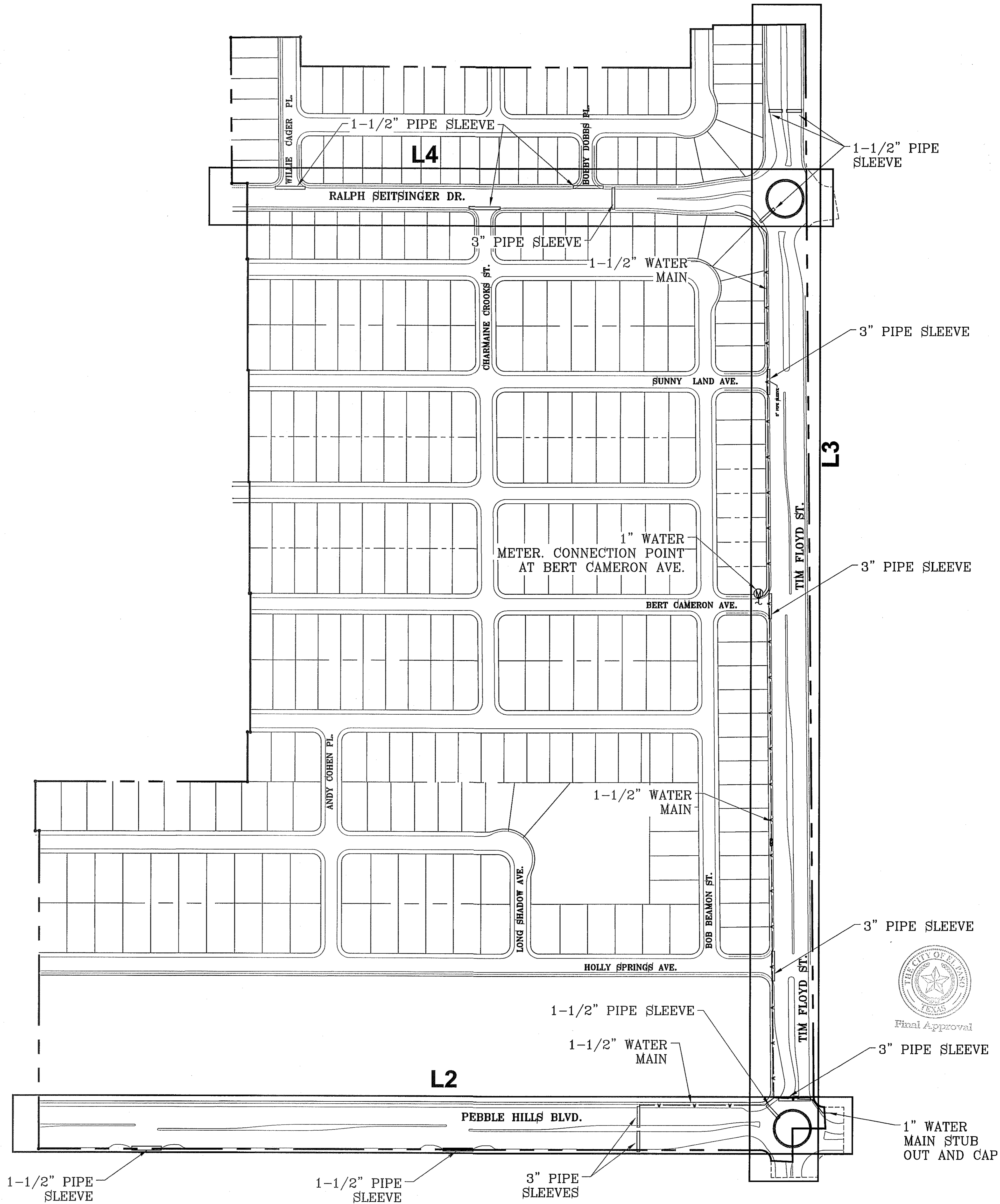
SCALE	HORIZ: AS NOTED
	VERT: ---
	DATE: MAY 2013
	DESIGN BY: Y.C.
	INITIATED BY: R.R.
	CHECKED BY: Y.C.
	JOB NO.: 119-36

ENGINEER'S SEAL
ENGINEER'S SEAL NOT REQUIRED. THIS SHEET IS PRODUCED FROM CITY SUBDIVISION DESIGN STANDARDS

CONDE INC.
ENGINEERING / PLANNING SURVEYING / GPS
6080 SURETY DR. STE 100
EL PASO, TEXAS 79905
PHONE: (915) 592-0283
FAX: (915) 592-0286

CONDE INC.
REGISTRATION NO. F-231

FILE LOCATION S:\LANDSCAPE\TDE 76 L&I\DWG\SHEET INDEX PLOTTED ON Wednesday, September 24, 2014 10:54:00 AM BY RUBEN RIVERA



BENCHMARK	
CITY MONUMENT AT THE CENTERLINE INTERSECTION OF RALPH SEITSINGER DR. AND GALICENO PL.	ELEVATION 4025.83
DATE	REVISIONS
	BY

PROJECT NAME
TIERRA DEL ESTE UNIT 76
LANDSCAPE AND IRRIGATION
 BEING PART OF SECTION 6, BLOCK 76, AND PORTION OF SECTIONS 5, 6, 7, AND BLOCK 79, TOWNSHIP 2, TEXAS AND PACIFIC RAILWAY CO. SURVEYS, CITY OF EL PASO, EL PASO COUNTY, TEXAS CONTAINING: 86.09± ACRES

S C A L E
 HORIZ: AS NOTED
 VERT: ---
 DATE: MAY 2013
 DESIGN BY: R.M.
 INITIATED BY: R.R.
 CHECKED BY: R.M.
 JOB NO.: 113-35



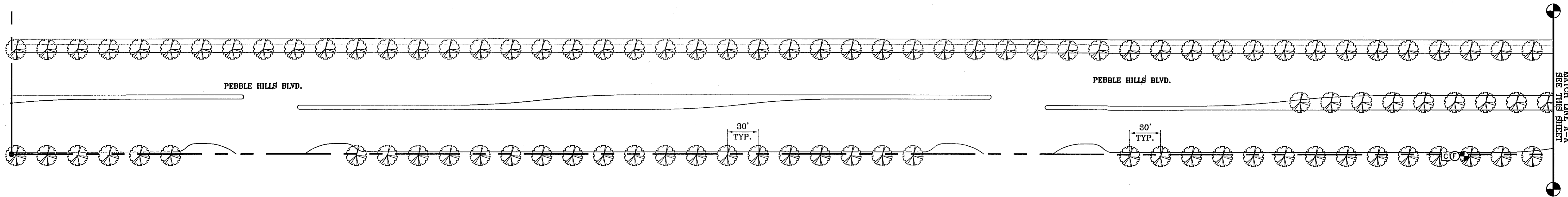
CONDE INC.
 ENGINEERING / PLANNING
 SURVEYING / GPS
 6080 SURETY DR. STE 100
 EL PASO, TEXAS 79905
 PHONE: (915) 592-0283
 FAX: (915) 592-0286



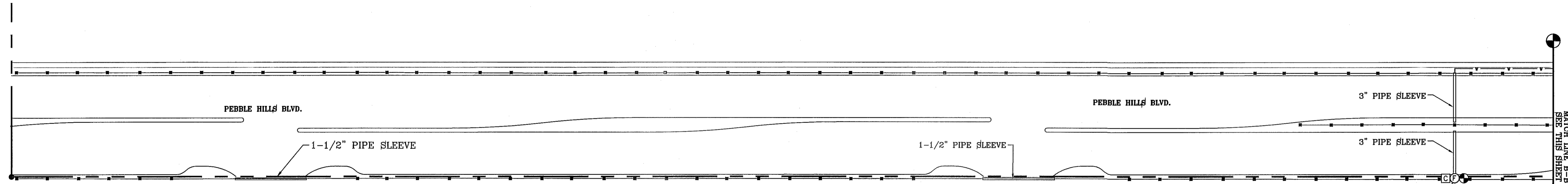
CONDE INC.
 REGISTRATION No. F-2321

SHEET TITLE
INDEX SHEET

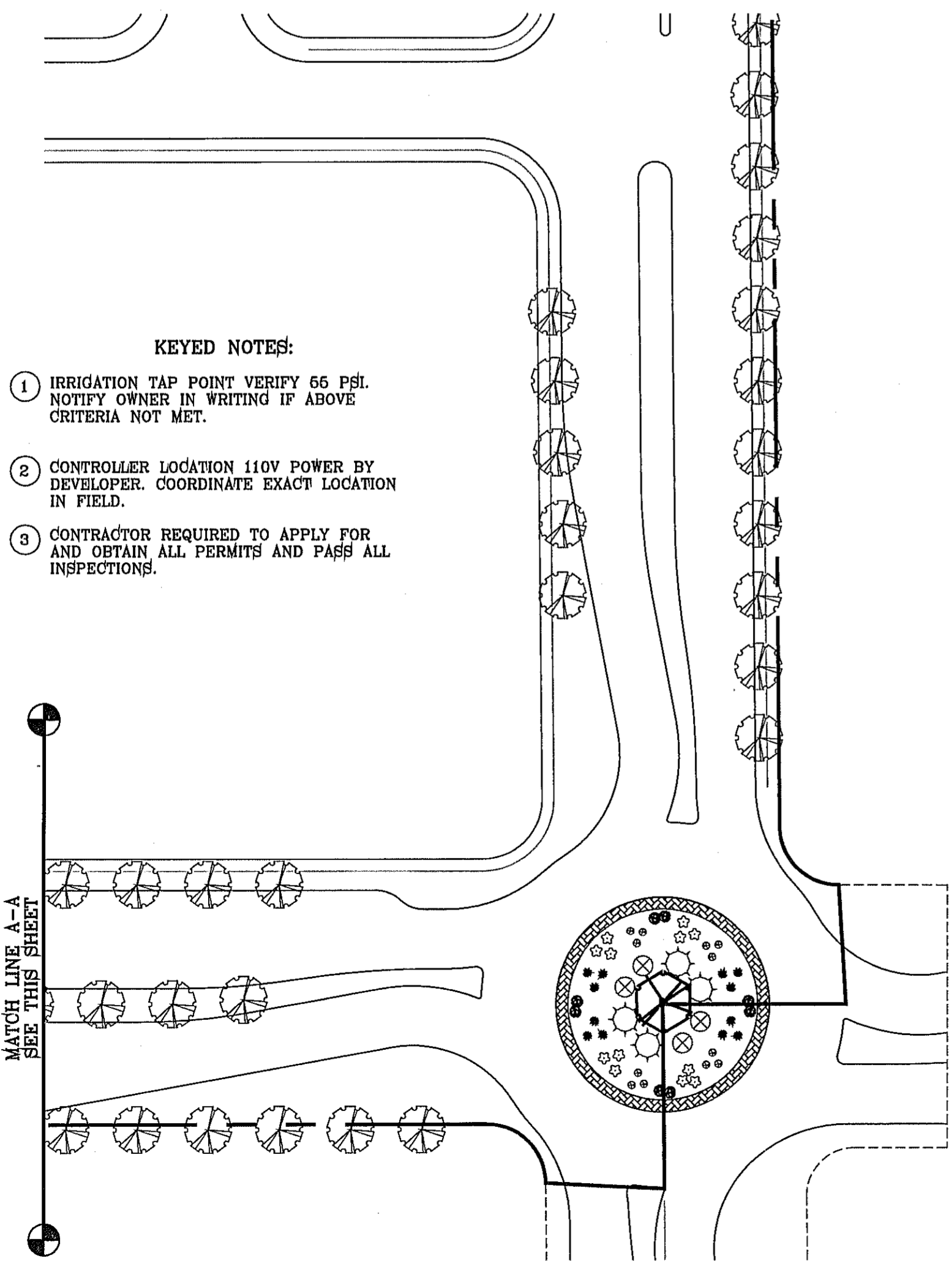
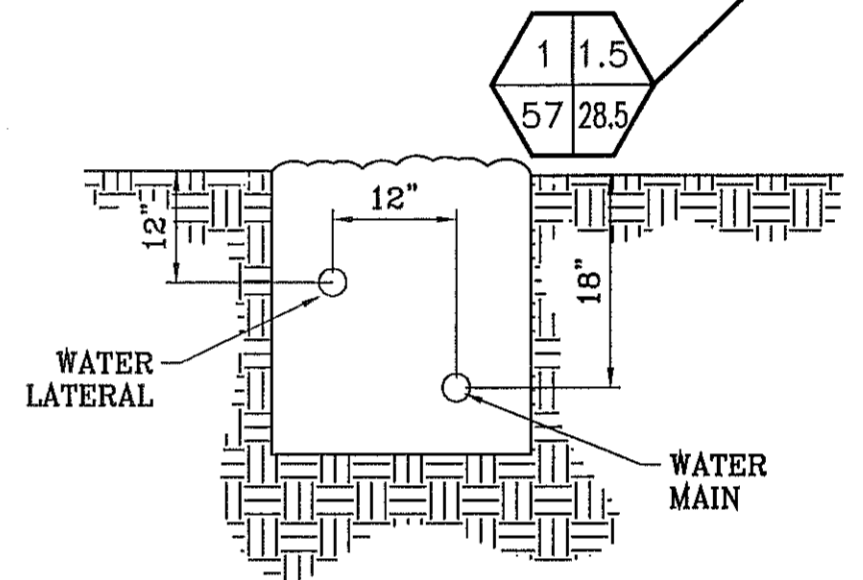
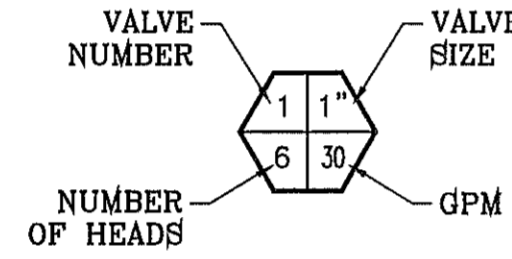
FILE LOCATION S:\LANDSCAPE\76 L&I\DWG\new PEBBLE HILLS PLOTTED ON Wednesday, September 24, 2014 10:39:53 AM BY RUBEN RIVERA



LANDSCAPE PLAN



IRRIGATION PLAN



- KEYED NOTES:**
- IRRIGATION TAP POINT VERIFY 66 PSI. NOTIFY OWNER IN WRITING IF ABOVE CRITERIA NOT MET.
 - CONTROLLER LOCATION 110V POWER BY DEVELOPER. COORDINATE EXACT LOCATION IN FIELD.
 - CONTRACTOR REQUIRED TO APPLY FOR AND OBTAIN ALL PERMITS AND PASS ALL INSPECTIONS.

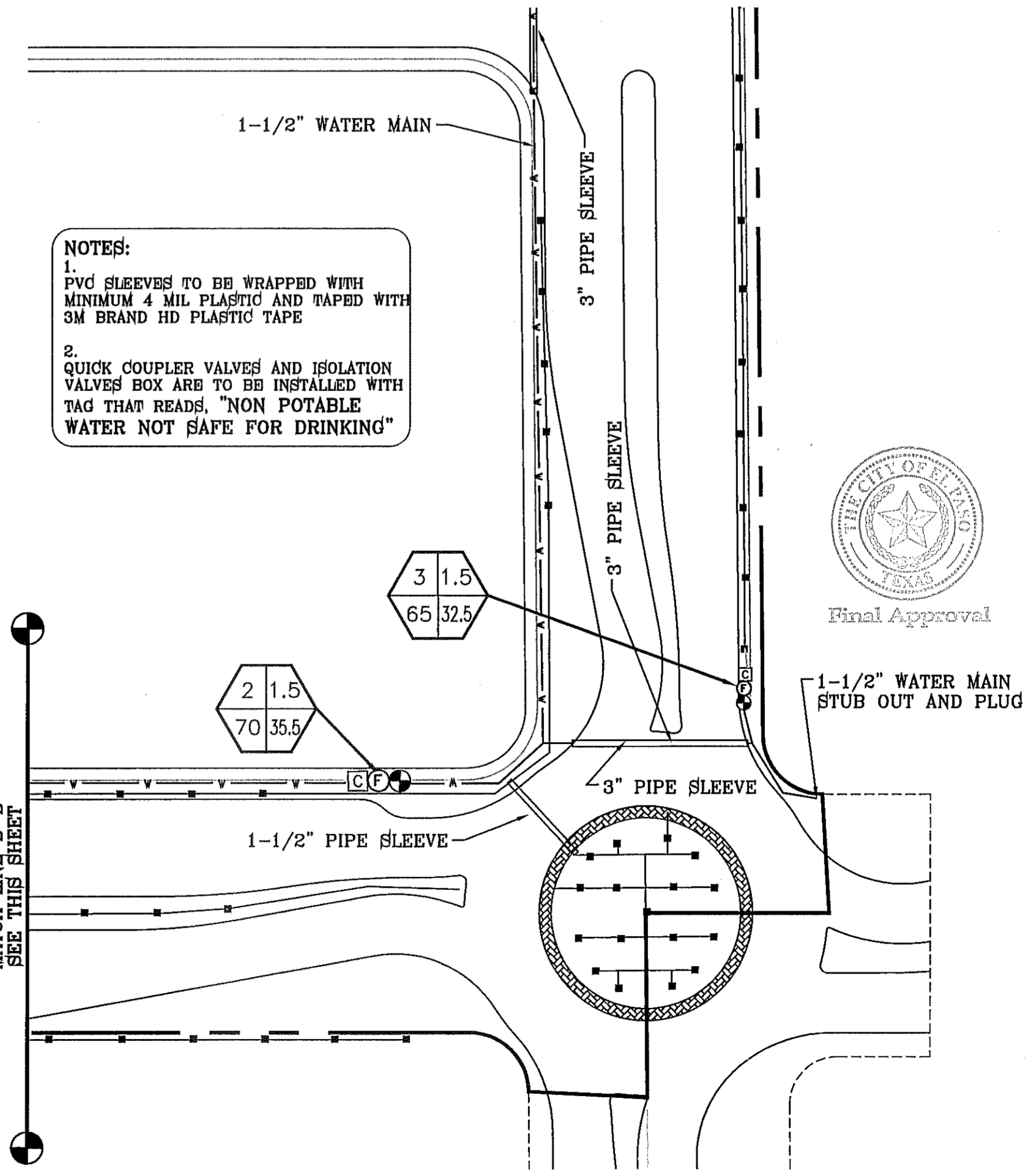
LEGEND					
SYMBOL	COMMON NAME	BOTANICAL NAME	SIZE	QUANTITY PEBBLE HILLS	QUANTITY TOTAL
	LIVE OAK	QUERCUS VIRGINIANA	2" GAL.	112	318
	CHINESE JUNIPER	JUIPERUS CHINENSIS	1 GAL.	4	8
	RED CLUSTERBERRY	COTONEASTER LACTEUS 'PARNEYI'	5 GAL.	4	8
	NEW GOLD LANTANA	LANTANA CAMARA 'NEW GOLD'	1 GAL.	4	8
	TEXAS SAGE	LEUCOPHYLLUM 'FRUTESCENS'	5 GAL.	4	8
	DESERT ROSEMARY	POLIOMINTHA INCANA	5 GAL.	4	8
	RED YUCCA	HESPERALOE PARVIPLORA	5 GAL.	4	8
	FRANKLIN RED BOULDER			4	8

PADRE CANYON CHAT, 3" DEPTH WITH DeWitt Pro-5 WEED BARRIER FABRIC TO BE PINNED DOWN AT 3' ON CENTER EACH WAY & AT 12" ON CENTER ALONG PERIMETER, OVERLAP MIN. 12" AT SEAMS

LEGEND	
	BOUNDARY LINE
	PVC SCHEDULE 40 WATER MAIN (SIZE AS NOTED)
	PVC SCHEDULE 40 WATER LATERAL (SIZE AS NOTED)
	PVC SLEEVE (TWICE THE SIZE OF PIPE)
	1" WATER METER BY DEVELOPER
	PROPOSED REDUCED PRESSURE BACKFLOW PREVENTOR
	TBOs CONTROL MODULE
	XERIBIRD 6 EMMITER
	STUB OUT WITH CAP FOR FUTURE DRIP
	ISOLATION BRASS BALL VALVE
	XCZ-PRB-100-LC RAINBIRD CONTROL KIT WITH 1" PRESSURE, 40 PSI, REGULATING BASKET FILTER. USE BRASS ISOLATION VALVES. PRESSURE GAUGES PLACED BEFORE AND AFTER VALVE.

NOTE:
IRRIGATION IS REGULATED BY THE TEXAS COMMISSION IN ENVIRONMENTAL QUALITY (T.C.E.Q.) (MC-178), P.O. BOX 13087, AUSTIN TEXAS. 78711-3037. TCEQ'S WEB SITE IS : WWW.TCEQ.STATE.TX.US

WATER MAIN AND LATERAL NOTES:
1. WATER MAIN SHOWN IN EXAGGERATED LOCATION FOR CLARITY ON PLAN VIEW PURPOSES ONLY. SEE DETAIL "A" ON THIS SHEET FOR WATER MAIN AND LATERAL LOCATION.
2. ALL LATERAL SIZE TO BE 3/4" UNLESS OTHERWISE NOTED.



- NOTES:**
- PVC SLEEVES TO BE WRAPPED WITH MINIMUM 4 MIL PLASTIC AND TAPED WITH 3M BRAND HD PLASTIC TAPE
 - QUICK COUPLER VALVES AND ISOLATION VALVES BOX ARE TO BE INSTALLED WITH TAG THAT READS, "NON POTABLE WATER NOT SAFE FOR DRINKING"



BENCHMARK
CITY MONUMENT AT THE CENTERLINE INTERSECTION OF RALPH SEITZINGER DR. AND GALICENO PL. ELEVATION 4026.83 NAVD88 DATUM
DATE
REVISIONS

PROJECT NAME
TIERRA DEL ESTE UNIT 76
LANDSCAPE AND IRRIGATION
BEING PORTION OF SECTION 18, BLOCK 76, AND PORTION OF SECTIONS 37 AND 48, BLOCK 79, TOWNSHIP 2, TEXAS AND PACIFIC RAILWAY CO. SURVEYS. CITY OF EL PASO, EL PASO COUNTY, TEXAS CONTAINING: 86.09± ACRES

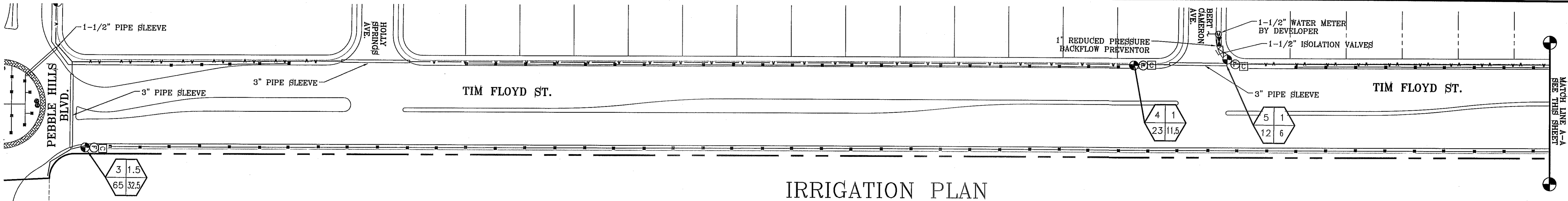
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VERT: 1" = 60'
DATE: MAY 2013
DESIGN BY: R.M.
INITIATED BY: R.R.
CHECKED BY: R.M.
JOB NO.: 119-35

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CONDE INC.
REGISTRATION NO. F-221

SHEET TITLE
PEBBLE HILLS BLVD.

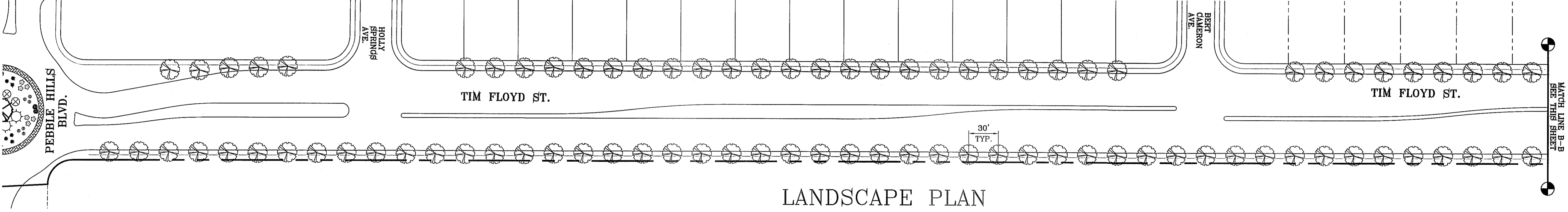
FILE LOCATION S:\LANDSCAPE\TDE 76 L&I\DWG new TIM FLOYD PLOTTED ON Wednesday, September 24, 2014 10:41:27 AM BY RUBEN RIVERA



LEGEND

SYMBOL	COMMON NAME	BOTANICAL NAME	SIZE	QUANTITY TIM FLOYD	QUANTITY TOTAL
	LIVE OAK	QUERCUS VIRGINIANA	2" GAL.	143	318
	CHINESE JUNIPER	JUIPERUS CHINENSIS	1 GAL.	4	8
	RED CLUSTERBERRY	COTONEASTER LACTEUS "PARNEYI"	6 GAL.	4	8
	NEW GOLD LANTANA	LANTANA CAMARA 'NEW GOLD'	1 GAL.	4	8
	TEXAS SAGE	LEUCOPHYLLUM 'FRUTESCENS'	6 GAL.	4	8
	DESERT ROSEMARY	POLIOMINTHA INCANA	6 GAL.	4	8
	RED YUCCA	HESPERALOE PARVIFLORA	6 GAL.	4	8
	FRANKLIN RED BOULDER			4	8

PADRE CANYON CHAT, 3" DEPTH WITH DeWitt Pro-6 WEED BARRIER FABRIC TO BE PINNED DOWN AT 3" ON CENTER EACH WAY & AT 12" ON CENTER ALONG PERIMETER, OVERLAP MIN. 12" AT SEAMS

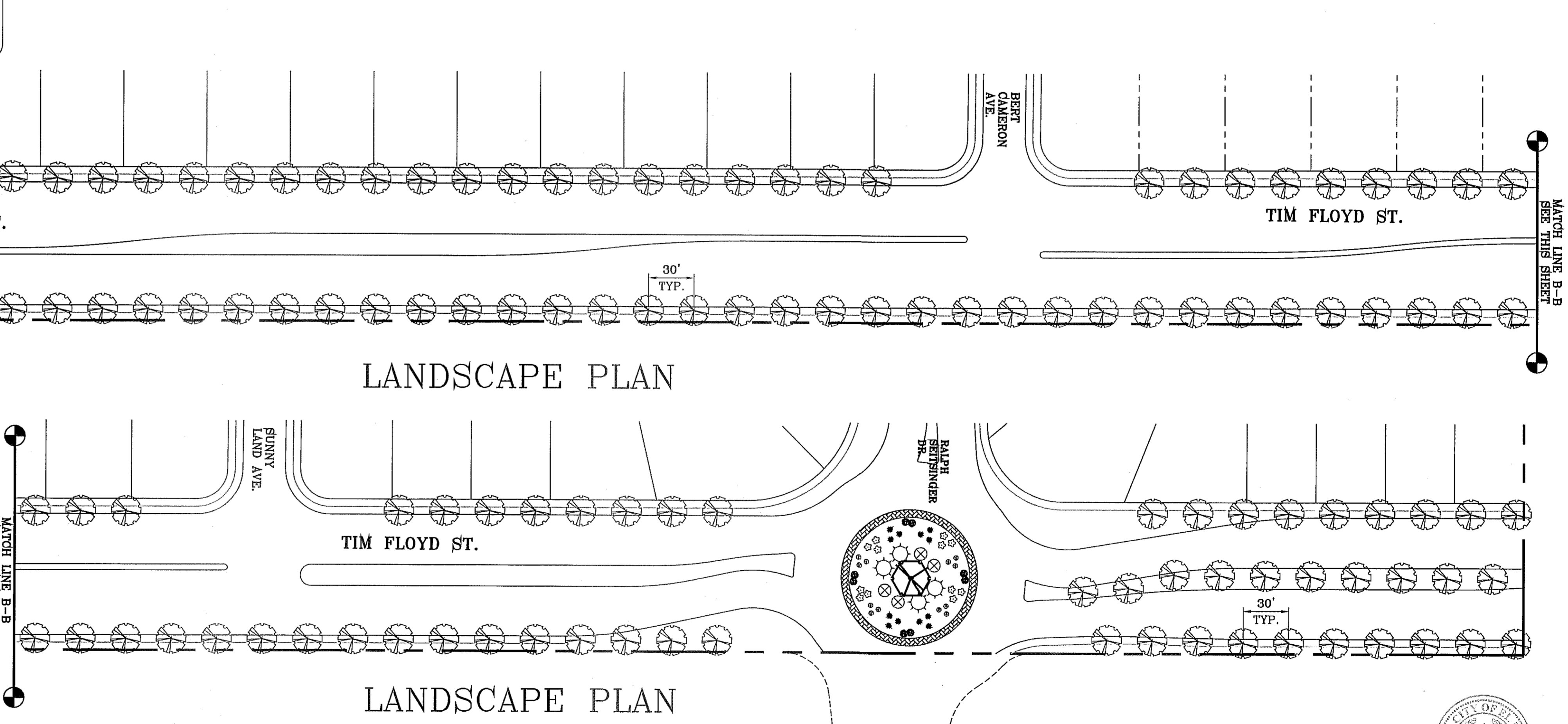
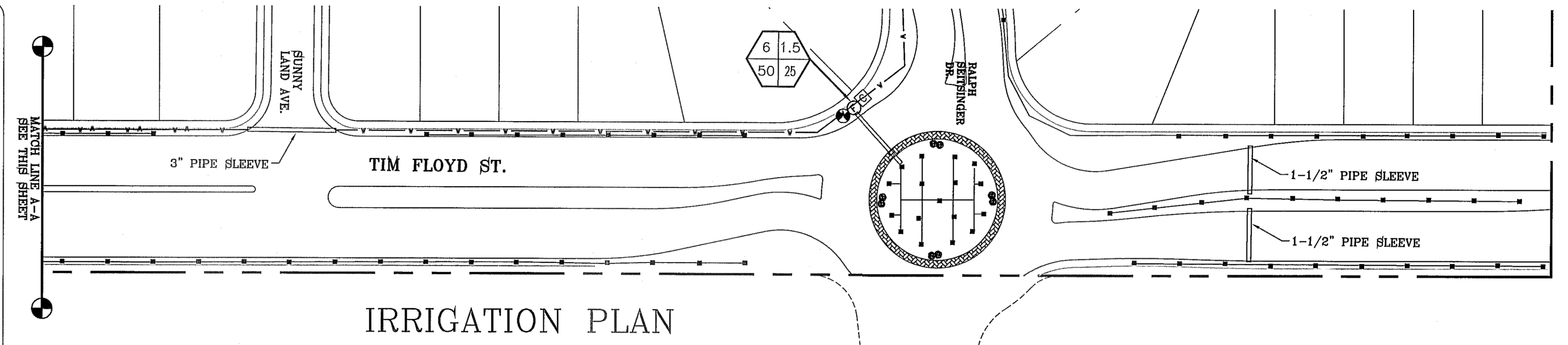


KEYED NOTES:

- IRRIGATION TAP POINT VERIFY 65 PSI. NOTIFY OWNER IN WRITING IF ABOVE CRITERIA NOT MET.
- CONTROLLER LOCATION 110V POWER BY DEVELOPER. COORDINATE EXACT LOCATION IN FIELD.
- CONTRACTOR REQUIRED TO APPLY FOR AND OBTAIN ALL PERMITS AND PASS ALL INSPECTIONS.

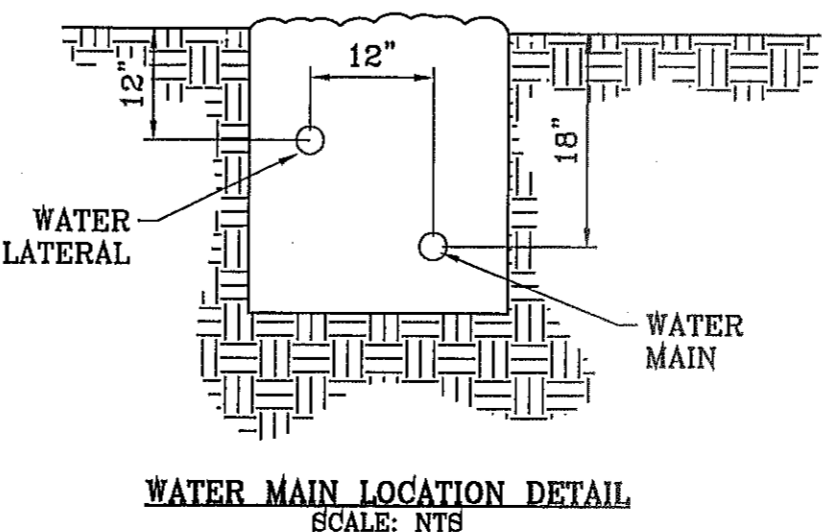
LEGEND

- BOUNDARY LINE
- PVC SCHEDULE 40 WATER MAIN (SIZE AS NOTED)
- PVC SCHEDULE 40 WATER LATERAL (SIZE AS NOTED)
- ==== PVC SLEEVE (TWICE THE SIZE OF PIPE)
- ⊙ 1" WATER METER BY DEVELOPER
- ⊠ PROPOSED REDUCED PRESSURE BACKFLOW PREVENTOR
- ⊡ TBO'S CONTROL MODULE
- XERIBIRD 6 EMMITER
- ⊥ STUB OUT WITH CAP FOR FUTURE DRIP
- ⊕ ISOLATION BRASS BALL VALVE
- ⊕⊕ XCZ-PRB-100-LC RAINBIRD CONTROL KIT WITH 1" PRESSURE, 40 PSI. REGULATING BASKET FILTER. USE BRASS ISOLATION VALVES. PRESSURE GAUGES PLACED BEFORE AND AFTER VALVE.



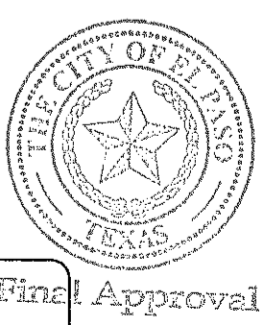
NOTES:

- PVC SLEEVES TO BE WRAPPED WITH MINIMUM 4 MIL PLASTIC AND TAPED WITH 3M BRAND HD PLASTIC TAPE
- QUICK COUPLER VALVES AND ISOLATION VALVES BOX ARE TO BE INSTALLED WITH TAG THAT READS, "NON POTABLE WATER NOT SAFE FOR DRINKING"



NOTE:
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REVISIONS

DATE	REVISIONS	BY

PROJECT NAME
TIERRA DEL ESTE UNIT 76
LANDSCAPE AND IRRIGATION
BEING PORTION OF SECTION 18, BLOCK 78, AND PORTION OF SECTIONS 37 AND 48, AND BLOCK 79, TOWNSHIP 2, TEXAS AND PACIFIC RAILWAY CO. SURVEYS, CITY OF EL PASO, EL PASO COUNTY, TEXAS CONTAINING: 86.09± ACRES

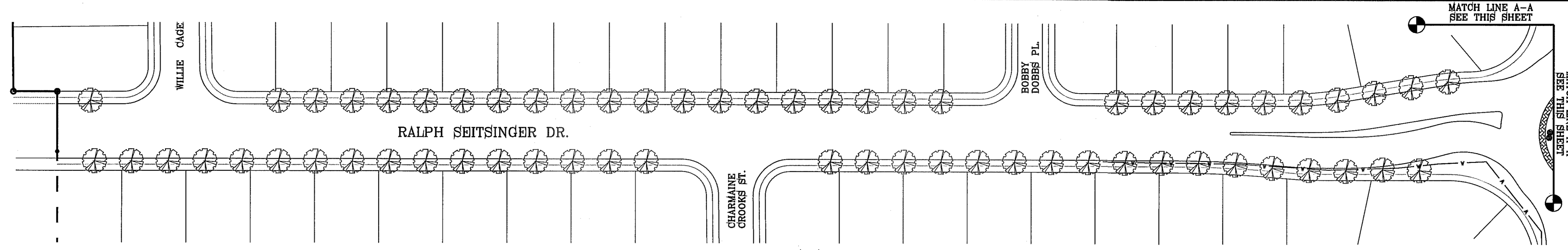
SCALE
HORIZ: 1" = 50'
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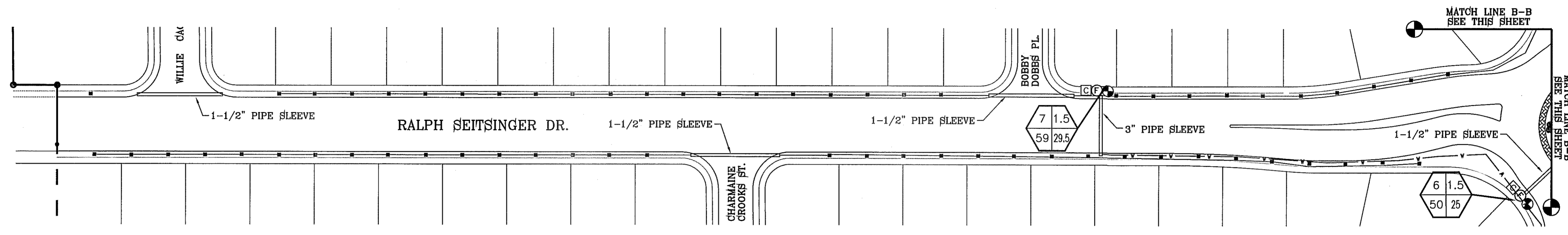


SHEET TITLE
TIM FLOYD ST.
SHT 3 OF 6

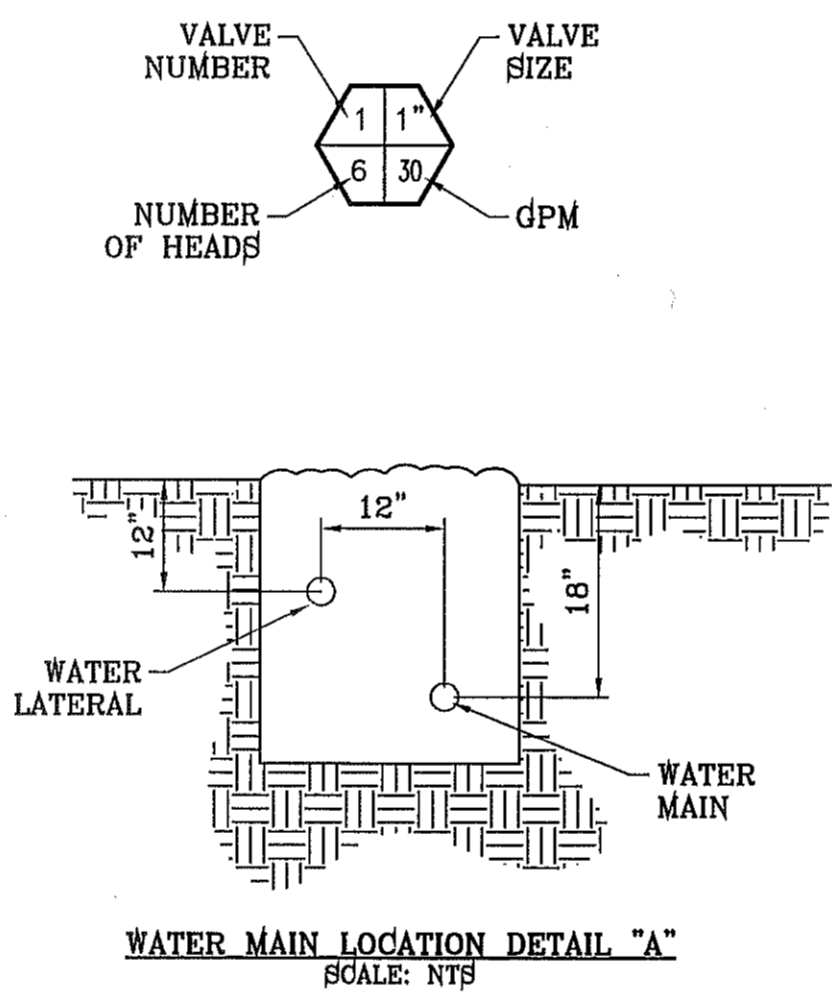
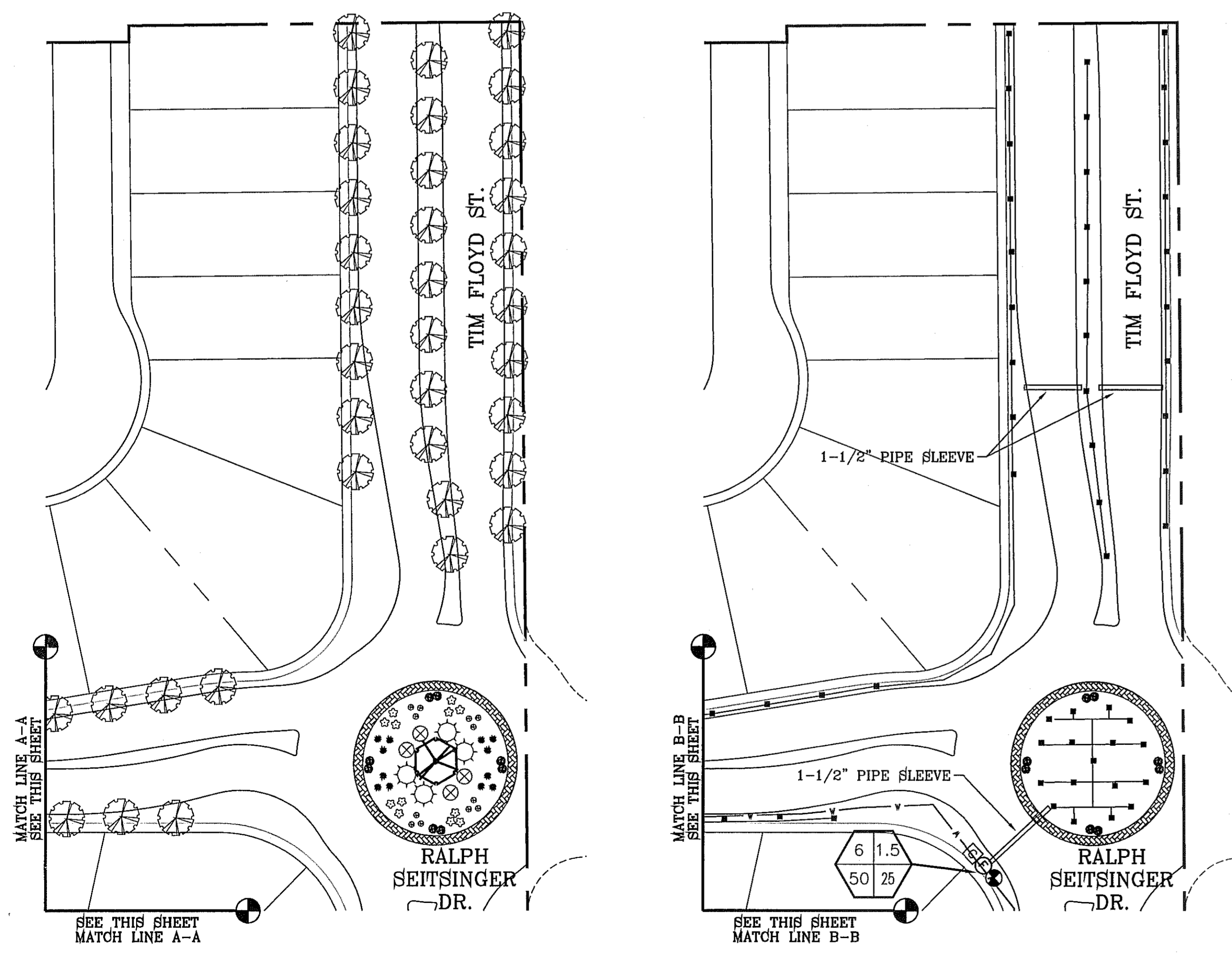
FILE LOCATION S:\LANDSCAPE\76 L&I\DWG\new RALPH SEITSINGER PLOTTED ON Wednesday, September 24, 2014 10:40:56 AM BY RUBEN RIVERA



LANDSCAPE PLAN



IRRIGATION PLAN



NOTES:
 1. PVC SLEEVES TO BE WRAPPED WITH MINIMUM 4 MIL PLASTIC AND TAPED WITH 3M BRAND HD PLASTIC TAPE
 2. QUICK COUPLER VALVES AND ISOLATION VALVES BOX ARE TO BE INSTALLED WITH TAG THAT READS, "NON POTABLE WATER NOT SAFE FOR DRINKING"

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 - ② CONTROLLER LOCATION 110V POWER BY DEVELOPER. COORDINATE EXACT LOCATION IN FIELD.
 - ③ CONTRACTOR REQUIRED TO APPLY FOR AND OBTAIN ALL PERMITS AND PASS ALL INSPECTIONS.

LEGEND

SYMBOL	COMMON NAME	BOTANICAL NAME	SIZE	QUANTITY RALPH SEITSINGER	QUANTITY TOTAL
	LIVE OAK	QUERCUS VIRGINIANA	2" GAL.	63	318
	CHINESE JUNIPER	JUIPERUS CHINENSIS	1 GAL.	-	8
	RED CLUSTERBERRY	COTONEASTER LACTEUS "PARNEY"	6 GAL.	-	8
	NEW GOLD LANTANA	LANTANA CAMARA 'NEW GOLD'	1 GAL.	-	8
	TEXAS SAGE	LEUCOPHYLLUM 'FRUTESCENS'	5 GAL.	-	8
	DESERT ROSEMARY	POLIOMINTHA INCANA	6 GAL.	-	8
	RED YUCCA	HESPERALOE PARVIFLORA	6 GAL.	-	8
	FRANKLIN RED BOULDER			-	8

PADRE CANYON CHAT, 3" DEPTH WITH DeWitt Pro-5 WEED BARRIER FABRIC TO BE PINNED DOWN AT 3" ON CENTER EACH WAY & AT 12" ON CENTER ALONG PERIMETER, OVERLAP MIN. 12" AT SEAMS

LEGEND

	BOUNDARY LINE
	PVC SCHEDULE 40 WATER MAIN (SIZE AS NOTED)
	PVC SCHEDULE 40 WATER LATERAL (SIZE AS NOTED)
	PVC SLEEVE (TWICE THE SIZE OF PIPE)
	1" WATER METER BY DEVELOPER
	PROPOSED REDUCED PRESSURE BACKFLOW PREVENTOR
	TBO'S CONTROL MODULE
	XERIBIRD 6 EMMITTER
	STUB OUT WITH CAP FOR FUTURE DRIP
	ISOLATION BRASS BALL VALVE
	XCZ-PRB-100-1C RAINBIRD CONTROL KIT WITH 1" PRESSURE, 40 PSI, REGULATING BASKET FILTER. USE BRASS ISOLATION VALVES. PRESSURE GAUGES PLACED BEFORE AND AFTER VALVE.

NOTE:
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 2. ALL LATERAL SIZE TO BE 3/4" UNLESS OTHERWISE NOTED.



BENCHMARK

CITY MONUMENT AT THE CENTERLINE INTERSECTION OF RALPH SEITSINGER DR. AND GALICENO PL. ELEVATION 4025.83

DATE

REVISIONS

BY

PROJECT NAME
TIERRA DEL ESTE UNIT 76
LANDSCAPE AND IRRIGATION
 BEING PORTION OF SECTION 18, BLOCK 78, AND PORTION OF SECTIONS 37 AND 48, BLOCK 79, TOWNSHIP 2, TEXAS, AND PACIFIC RAILWAY CO. SURVEYS, CITY OF EL PASO, EL PASO COUNTY, TEXAS CONTAINING: 86.09± ACRES

SCALE
 HORIZ: 1" = 50'
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DATE: MAY 2013
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 JOB NO.: 113-35



CONDE INC.
 ENGINEERING / PLANNING
 SURVEYING / GPS
 6080 SURETY DR. STE 100
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SHEET TITLE
RALPH SEITSINGER DR.

FILE LOCATION S:\LANDSCAPE\76 L&I\DWG\DETAILS PLOTTED ON Wednesday, September 24, 2014 10:57:21 AM BY RUBEN RIVERA

LANDSCAPE NOTES:

1. PLANT MATERIAL SUBSTITUTIONS SHALL NOT BE MADE WITHOUT THE WRITTEN PERMISSION OF THE OWNER. THE USE OF MATERIALS DIFFERING IN KIND, QUALITY OR SIZE FROM THAT SPECIFIED WILL BE ALLOWED ONLY AFTER OWNER IS CONVINCED THAT ALL MEANS OF OBTAINING THE SPECIFIED MATERIAL HAVE BEEN EXHAUSTED. AT THE TIME BIDS ARE SUBMITTED, THE CONTRACTOR IS ASSUMED TO HAVE LOCATED THE MATERIALS NECESSARY TO COMPLETE THE JOB AS SPECIFIED. ALL REQUESTS FOR SUBSTITUTIONS MUST BE SUBMITTED NO LATER THAN TWO WEEKS PRIOR TO THE INITIATION OF WORK.
2. PLANT MATERIAL QUALITY, SIZE AND CONDITION SHALL BE IN ACCORDANCE WITH AMERICAN STANDARD FOR NURSERY STOCK, 1980 EDITION, AS PUBLISHED BY THE COMMITTEE ON HORTICULTURAL STANDARDS OF THE AMERICAN ASSOCIATION OF NURSERYMEN, INC.
3. ALL PLANTS SHALL BE TYPICAL OF THEIR SPECIES OR VARIETY. ALL PLANTS SHALL HAVE NORMAL WELL DEVELOPED BRANCHES AND VIGOROUS ROOT SYSTEMS. THEY SHALL BE SOUND, HEALTHY, VIGOROUS, FREE FROM DEFECTS, DISFIGURING KNOTS, ABRASIONS OF THE BARK, SUNSCALED INJURIES, PLANT DISEASES, INSECT EGGS, BORES AND ALL OTHER FORMS OF INFECTIONS.
4. UNLESS OTHERWISE STATED ON THE DRAWINGS OR APPROVED BY THE OWNER'S REPRESENTATIVE, ALL PLANTS SHALL BE NURSERY GROWN AND SHALL BE TAGGED WITH NURSERY LABELS INDICATING SPECIES AND VARIETY.
5. NON-CONTAINER GROWN PLANTS SHALL HAVE A SOLID BALL OF EARTH OF MINIMUM SPECIFIED SIZE AND HELD IN PLACE SECURELY BY BURLAP AND A STOUT TWINE OR ROPE, SEE TREE AND SHRUB PLANTING DETAIL. BROKEN OR LOOSE BALLS WILL BE REJECTED.
6. UNLESS SPECIFICALLY NOTED ON DRAWING, ALL TREES SHALL HAVE A SINGLE TRUNK THAT IS STRAIGHT AND FREE OF "DOG-LEGS" "CROOKS" "BY-CROTCHES", OR OTHER DISFIGURING SHAPES. THE CENTRAL LEADER OF ALL TREES SHALL NOT HAVE BEEN PRUNED. TREES WITH DOUBLE LEADERS ARE NOT ACCEPTABLE, UNLESS SPECIFIED AS MULTI-TRUNKED.
7. ALL PLANT MATERIAL SHALL HAVE A UNIFORMED SHAPE AROUND ITS COMPLETE CIRCUMFERENCE. PLANT MATERIAL WITH IRREGULAR BRANCHING PATTERNS OR WITH BRANCHING PATTERNS MORE HIGHLY DEVELOPED ON ONE SIDE THAN ON OTHER SIDES SHALL NOT BE ACCEPTABLE.
8. THE OWNER'S REPRESENTATIVE SHALL BE THE JUDGE OF THE QUALITY AND ACCEPTABILITY OF ALL PLANT MATERIALS. ALL REJECTED MATERIAL SHALL BE IMMEDIATELY REMOVED FROM THE SITE AND REPLACED WITH ACCEPTABLE MATERIALS AT NO ADDITIONAL COST TO OWNER.
9. ALL TREES, SHRUBS AND GROUND COVERS SHALL BE GUARANTEED FOR THE PERIOD OF ONE FULL YEAR BEGINNING ON THE DATE OF FINAL ACCEPTANCE. THE CONTRACTOR SHALL REPLACE ANY DEAD OR UNHEALTHY PLANTS WITHIN 10 WORKING DAYS OF WRITTEN NOTIFICATION AT NO EXPENSE TO THE OWNER. THE CONTRACTOR SHALL NOT BE RESPONSIBLE FOR VANDALIZED PLANT MATERIAL.
10. ALL PLANTING BEDS SHOWN ON PLANS SHALL BE MULCHED. NO BEDS WILL BE LEFT UNCOVERED OR NOT TOP DRESSED, UNLESS OTHERWISE SPECIFIED.

GRADING

1. PERFORM GRADING AND EXCAVATION WORK IN COMPLIANCE WITH APPLICABLE SPECIFICATIONS, REQUIREMENTS, CODES AND ORDINANCES OF ALL GOVERNING BODIES HAVING JURISDICTION.
2. FINE GRADING: SURFACE SHALL BE RAKED FREE OF STONES AND EXTRANEOUS MATERIALS AND DEBRIS TO A SMOOTH AND EVEN TEXTURE. ALL EXTRANEOUS MATTER WILL BE DISPOSED OF BY CONTRACTOR.

PROTECTIONS:

1. CONTRACTOR SHALL BE FAMILIAR WITH PLANS, DETAILS AND SPECIFICATIONS AS THEY PERTAIN TO THE SITE. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE OWNER'S REPRESENTATIVE IF ANY ITEMS CONTAINED WITHIN THE SCOPE OF WORK DEFINED HEREIN ARE IN CONFLICT WITH PROPOSED CONTRACT.
2. EXISTING UTILITY LINES ARE TO BE BLUE STAKED PRIOR TO EXCAVATION. CHECK AND FIELD VERIFY ALL SITE CONDITIONS, UTILITIES AND SERVICES PRIOR TO EXCAVATION. CALL FOR BLUE STAKING.
3. THE CONTRACTOR SHALL BE LIABLE FOR ANY LOOSE OR DAMAGE TO ANY WORK OR MATERIALS, SUPPLIES AND EQUIPMENT ON THE JOB SITE CAUSED BY THE CONTRACTOR OR ITS EMPLOYEES.
4. CONTRACTOR IS TO BARRICADE OPEN EXCAVATIONS OCCURRING AS PART OF THIS WORK AND POST WITH WARNING LIGHTS OR OTHER WARNING MEASURES AS NECESSARY. PROTECTION OF EXISTING SHRUBS, TREES, AND OTHER PLANT MATERIALS ARE ALSO TO BE INCLUDED.
5. PROTECT STRUCTURES, UTILITIES, SIDEWALKS, PAVEMENTS, AND OTHER FACILITIES FROM DAMAGE CAUSED BY SETTLEMENT, LATERAL MOVEMENT, UNDERMINING, WASHOUT AND OTHER HAZARDS CREATED BY EARTHWORK OPERATIONS. ALL DAMAGES THAT MAY OCCUR DURING THIS PHASE OF WORK SHALL BE THE CONTRACTOR'S FINANCIAL RESPONSIBILITY.
6. CONTRACTOR SHALL COORDINATE ALL WORK WITH OTHER CONTRACTORS.

GENERAL NOTES:

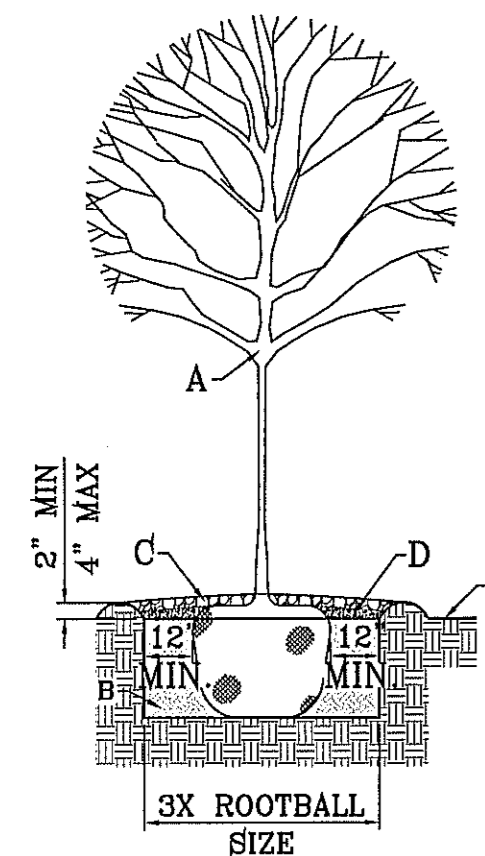
1. THE DEVELOPER SHALL REGISTER THE PROJECT WITH TDLR, TO INCLUDE SUBMITTAL OF DRAWINGS, INSPECTION AND CERTIFICATE OF SUBSTANTIAL COMPLEXION.
2. ALL TURF AREAS ARE HYBRID BERMUDA 'SANTA ANA' SOD OR SEED IN ACCORDANCE TO PARKS DESIGN AND CONSTRUCTION STANDARDS
3. SEEDING NEEDS TO OCCUR BETWEEN APRIL 16 THROUGH JUNE 16 TO YIELD BEST ESTABLISHED STAND. OUTSIDE THAT WINDOW SOD SHOULD BE THE METHOD OF PLANTING.
4. TREE LOCATIONS TO BE COORDINATED WITH PARKS DEPARTMENT IN THE FIELD TO PREVENT BEING PLANTED TOO CLOSE TO SPRINKLERS.
5. ENGINEERED WOOD CHIP FIBERS SHALL BE COMPACTED AS PER THE SUPPLIER'S TESTING LAB RECOMMENDATIONS, WHICH SHALL COMPLY WITH THE MOST CURRENT STANDARDS IN ACCESSIBILITY.
6. SILT FENCE TO BE INSTALLED AND MAINTAINED ALONG THE PERIMETER OF THE PARK SITE UNTIL ALL ADJUTING RESIDENCES ARE DEVELOPED.

GENERAL NOTES:

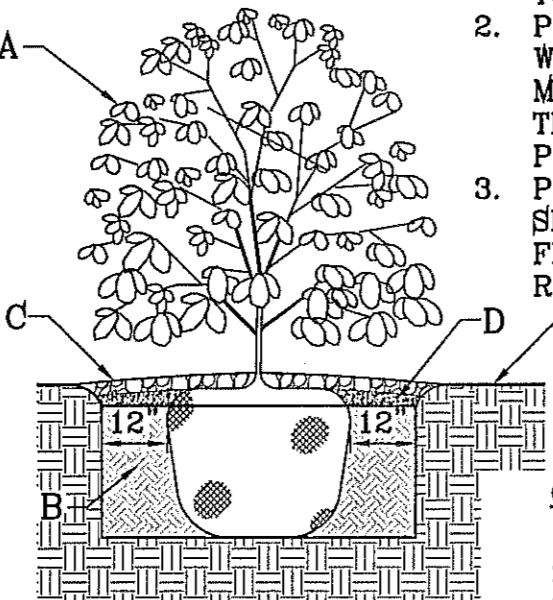
1. SOIL BELOW ROOT BALL TO REMAIN UNDISTURBED TO PREVENT TREE FROM SETTLING.
2. TOP OF ROOTBALL INDICATES LEVEL AT WHICH TREE WAS GROWN AND DUG; THIS REPRESENTS THE LEVEL AT WHICH THE TREE SHOULD BE INSTALLED; THAT LEVEL MAY ONLY BE EXCEEDED BY A ONE INCH LAYER OF MULCH.
3. PRIOR TO BACKFILLING TREE, ALL WIRE, ROPE AND SYNTHETIC MATERIALS SHALL BE REMOVED FROM THE TREE ROOTBALL AND THE PLANTING PIT.
4. PRIOR TO BACKFILLING, ALL BURLAP SHALL BE CUT AWAY FROM THE TOP AND SIDES OF THE ROOTBALL.

CONSTRUCTION NOTES:

- A. TREE.
- B. PLANTING SOIL MIXTURE (REF. SPECIFICATIONS).
- C. WATER RETENTION BASIN.
- D. 4" DEPTH OF BARK MULCH.
- E. FINISH GRADE.



TREE PLANTING DETAIL
SCALE: 1"=4'



SHRUB PLANTING DETAIL
SCALE: 1"=3'

GENERAL NOTES:

1. STABILIZED SOIL BELOW ROOT BALL TO PREVENT SHRUB FROM SETTLING.
2. PRIOR TO BACKFILLING SHRUB, ALL WIRE, ROPE AND SYNTHETIC MATERIALS SHALL BE REMOVED FROM THE SHRUB ROOT BALL AND THE PLANTING PIT.
3. PRIOR TO BACKFILLING, ALL BURLAP SHALL BE CUT AWAY AND REMOVED FROM THE TOP AND SIDES OF THE ROOT BALL.

CONSTRUCTION NOTES:

- A. SHRUB.
- B. COMPACTED BACKFILL.
- C. WATER RETENTION BASIN.
- D. 4" DEPTH OF BARK MULCH.
- E. FINISH GRADE.

IRRIGATION NOTES

1. ALL WORK MUST BE IN COMPLIANCE WITH THE TEXAS COMMISSION ON ENVIRONMENTAL QUALITY RULES AND REGULATIONS.
2. ANY DAMAGE CAUSED BY THE CONTRACTOR SHALL BE REPAIRED OR REPLACED BY CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
3. THE CONTRACTOR SHALL PROVIDED ALL EQUIPMENT, TOOLS, PRODUCTS, MATERIALS, LABOR, TRANSPORTATION AND OBTAIN ALL PERMITS AND PAY ALL REQUIRED FEES.
4. ALL PAVEMENT TRENCHING SHALL BE IN PERFORMED TO THE CITY OF EL PASO FOR PUBLIC WORK CONSTRUCTION.
5. PIPING UNDER HARDSCAPES (DRIVEWAYS, SIDEWALKS, etc. etc.) SHALL REQUIRE SLEEVEING. GENERALLY TWO SIZES LARGER THAN IRRIGATION PIPING AND ONE FOOT BEYOND EDGE OF HARDSCAPE.
6. ALL SPRINKLER HEADS ADJACENT TO HARDSCAPES SHALL BE PLACED A MINIMUM OF ONE FOOT FROM EDGE OF SURFACING.
7. SOME PIPES, VALVES, BACKFLOWS etc. etc. HAVE BEEN SHOWN IN PAVING, SIDEWALKS OR OUTSIDE THE BOUNDARY FOR CLARITY ONLY.
8. STATIC PRESSURE (60 PSI) BASED ON CLOSEST FIRE HYDRANT TO THE PROJECT SITE ON PEBBLE HILLS BLVD. AND JOHN HAYES ST. AS PER THE PSB. THE CONTRACTOR/INSTALLER SHALL FIELD VERIFY THE STATIC PRESSURE OF THE WATER SUPPLY. THE CONTRACTOR SHALL BE RESPONSIBLE TO IMMEDIATELY CONTACT THE LICENSED IRRIGATOR IF STATIC PRESSURE OR FIELD CONDITIONS ARE DIFFERENT IN THE FIELD THAN SHOWN ON PLANS.
9. CONTRACTOR IS REQUIRED TO APPLY FOR AND OBTAIN IRRIGATION PERMIT FROM B&I

TRENCHING

1. CONTACT LOCAL UTILITY COMPANIES AND BLUE STAKE ALL UTILITIES PRIOR TO EXCAVATION.
2. ALL TRENCHING SHALL BE DONE IN STRICT ACCORDANCE WITH OSHA-2226.
3. PIPES MUST BE FLUSHED AND INSPECTED BY PROJECT INSPECTOR BEFORE INSTALLING VALVES AND SPRINKLERS.
4. PIPES SHALL NOT BE BURIED UNTIL INSPECTED BY PROJECT INSPECTOR. CONTRACTOR MUST UNCOVER THE WORK TO BE INSPECTED AND/OR TESTED AND BE RE-BURIED AT THEIR EXPENSE.
5. AVOID OBSTACLES (UTILITIES, TREE ROOTS, BOULDERS etc. etc.) ALLOW A MINIMUM OF TWO INCHES OF COVERAGE
6. BACKFILL MATERIAL SHALL CONTAIN NO LUMPS, ROCKS LARGER THAN ONE INCH OR ORGANIC MATERIAL. BACKFILL MATERIAL MUST BE APPROVED BY PROJECT INSPECTOR PRIOR FILLING OF TRENCHES.
7. IF EXCAVATING 16 INCHES OR DEEPER WITH POWER EQUIPMENT, YOU MUST BY LAW CALL 1-800-DIG TESS (800-344-8377) 48 HOURS BEFORE EXCAVATING.
8. LATERAL LINES SHALL BE TO A DEPTH OF 12". MAIN LINES SHALL BE TO A DEPTH OF 18" AND VALVE ELECTRICAL WIRES TO A DEPTH OF 18", SEE TRENCH DETAIL ON ### OF ###.

SOLVENT WELDING

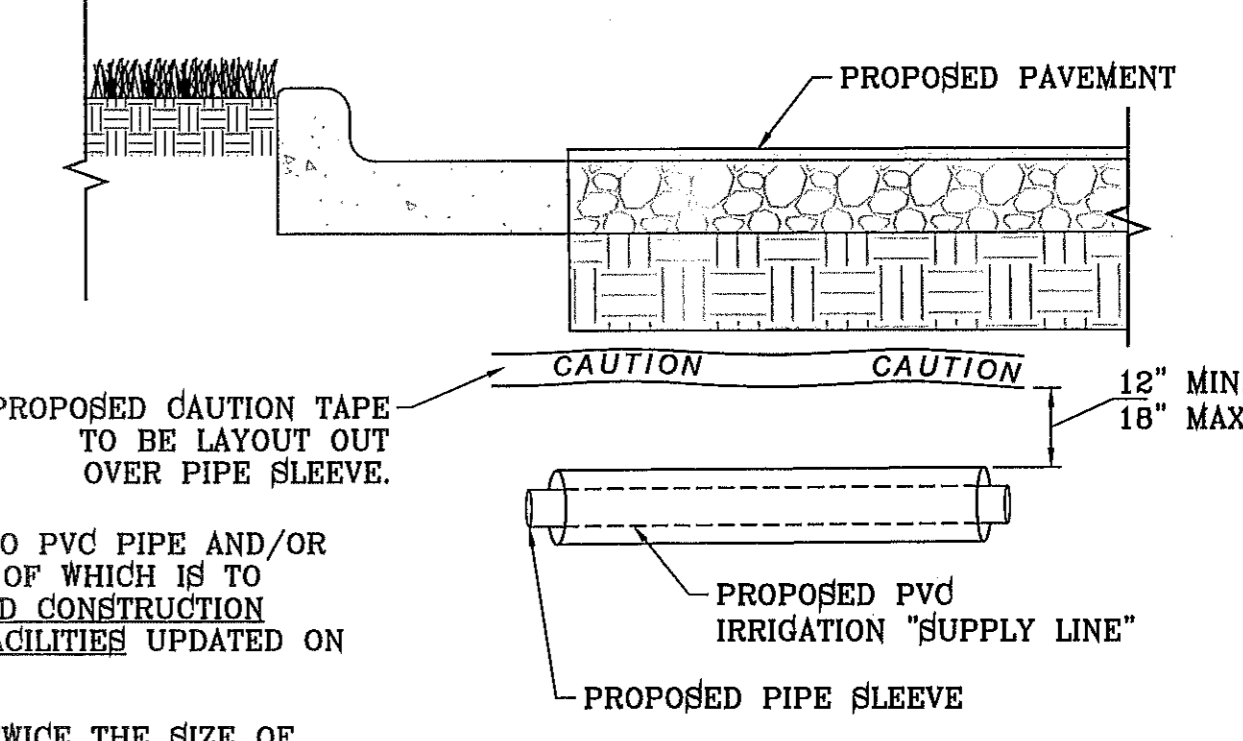
1. USE IP5 WELD-ON CLEANER AND PURPLE PRIMER P68 OR P70 TO CLEAN AND PREPARE THE PIPES BEING JOINED.
2. USE IP5 WELD-ON GRAY GLUE #711 HEAVY DUTY.
3. LACK OF SUFFICIENT SOLVENT WILL RESULT IN A WEAK CONNECTION, EXCESS SOLVENT WILL WEAKEN THE STRUCTURE. USE THE RIGHT AMOUNT OF SOLVENT FOR A SOUND INSTALLATION.
4. PIPE BENDS AND FITTINGS MUST BE INSPECTED DURING PRESSURE TEST. SOLVENT WELDING IS REQUIRED ON ALL PIPE BENDS AND FITTINGS. INSTALL ACCORDING TO MANUFACTURES SPECIFICATIONS.
5. CLEAN OFF ALL BURRS FROM PIPE CUTS, BEVEL THE END OF THE MAIN LINE AND WIPE EXCESS SOLVENT FROM JOINT.

ELECTRICAL WIRING

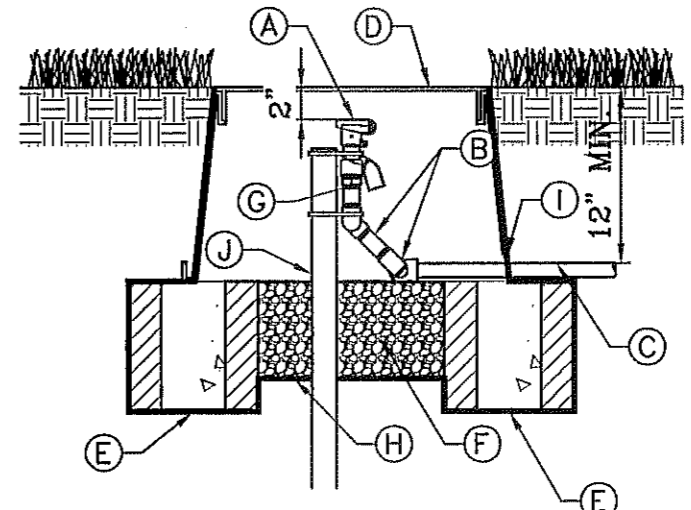
1. WIRES SHOULD NOT BE STRETCHED TIGHT IN THE TRENCHES, ALLOW EXTRA WIRE FOR SHARP TURNS IN THE TRENCHES.
2. WIRING SHALL BE UL LISTED FOR DIRECT BURIAL AND SIZED ACCORDING TO MANUFACTURER'S SPECIFICATIONS.
3. DIRECT BURIAL WIRE SPLICES MUST BE WATERPROOF AS PER MANUFACTURER'S SPECIFICATIONS.
4. WIRES SHALL BE LABELED WITH WATERPROOF TAGS AT THE CONTROLLER AND VALVE BOX.

NOTES:

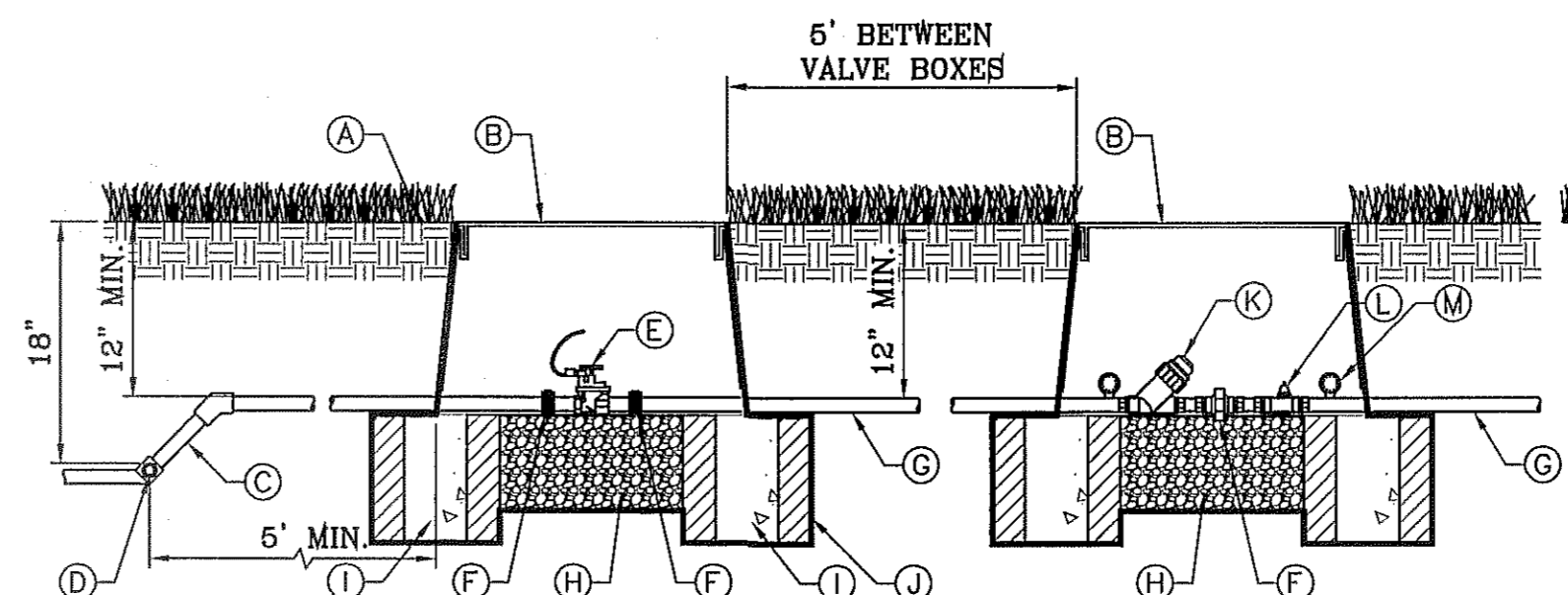
1. "SUPPLY LINE" REFERS TO PVC PIPE AND/OR IRRIGATION LINE. DEPTH OF WHICH IS TO COMPLY WITH DESIGN AND CONSTRUCTION STANDARDS FOR PARK FACILITIES UPDATED ON JANUARY 8, 2013.
2. PIPE SLEEVE IS TO BE TWICE THE SIZE OF SUPPLY LINE UNLESS OTHERWISE NOTED.
3. SUPPLY LINE AND PIPE SLEEVE TO BE CONSTRUCTED/INSTALLED IN ACCORDANCE WITH DESIGN AND CONSTRUCTION STANDARDS FOR PARK FACILITIES.



PIPE SLEEVE DETAIL WITH GENERAL NOTES
SCALE: 1"=1'



QUICK COUPLER VALVE
SCALE: 1"=1'



ELECTRIC VALVE WITH PRESSURE REGULATOR
SCALE: 1"=1'

- (A) BUCKNER DOUBLE LUG QUICK-COUPLING VALVE WITH PURPLE CAP
- (B) LAGCO PRE-ASSEMBLED SWING JOINT WITH SNAP LOCK STABILIZER ASSEMBLY AND BRASS FITTING
- (C) PVC LATERAL
- (D) 1419 PURPLE CARSON VALVE BOX W/ FLAT LID
- (E) SOLID BRICK BLOCK AT EACH CORNER
- (F) 3/8" PEA GRAVEL TO UNDERSIDE OF BRASS FITTING, 4" DEEP (NO SOIL IN BOX)
- (G) WATER PROOF TAGS THAT READ "NON-POTABLE WATER NOT SAFE FOR DRINKING."
- (H) PROVIDE WEED BARRIER FABRIC 'DeWITT PRO 5' UNDER AND AROUND VALVE BOX AND SEAL ALL PIPE PENETRATIONS
- (I) 6 mm BLACK POLYETHYLENE PLASTICTAPE TO ALL INLET AND OUTLET PIPE
- (J) PVC PIPE STABILIZER
- (A) FINISH GRADE
- (B) 1419 CARSON VALVE BOX WITH LID AND BOLT, COLOR TO BE TAN FOR ROCK MULCH AREAS AND GREEN FOR TURF AREAS
- (C) IRRIGATION MAINLINE/LATERAL MAINLINE
- (D) IRRIGATION MAINLINE SERVICE TEE OR ELL
- (E) WEATHERMATIC 8200CR-20 ELECTRIC CONTROL VALVE
- (F) SCHEDULE 80 PVC UNIONS ON LINES 3" OR SMALLER, AND FLANGES ON LINES 3" OR LARGER
- (G) LATERAL LINE
- (H) 1 CUBIC FOOT 1" DIAMETER WASHED ROCK
- (I) 8"x8"x16" SOLID CMU BLOCK
- (J) PROVIDE WEED BARRIER FABRIC 'DeWITT PRO 5' UNDER AND AROUND VALVE BOX AND SEAL ALL PIPE PENETRATIONS
- (K) AMIAD WYE FILTER TO BE SET AT ANGLE TO BE ABLE TO DRAIN AND BE SERVICED READILY.
- (L) WILKINS BF4 BRONZE BODY OR IN-LINE PRESSURE REGULATOR
- (M) GAUGE

NOTE:
PVC PIPE ASSEMBLIES AT IRRIGATION VALVES, PRESSURE REGULATOR AND FILTER ARE TO HAVE UNIONS ON BOTH INTAKE AND DISCHARGE SIDES OF THE EQUIPMENT WHEN THE PIPE IS SMALLER THAN THREE INCHES AND FLANGES ARE TO BE USED ON PIPE THREE INCHES AND LARGER. INSURE THAT THE EQUIPMENT AND FITTINGS ARE ACCOMMODATED WITHIN THE 1419 CARSON IRRIGATION VALVE BOX.



BENCHMARK	CITY MONUMENT AT THE CENTERLINE INTERSECTION OF RALPH SEITZINGER DR. AND CALICENO PL. ELEVATION 4025.83
DATENAVD83 DATUM
BY
REVISIONS

PROJECT NAME
TIERRA DEL ESTE UNIT 76
LANDSCAPE AND IRRIGATION
BRAND PORTION OF SECTION 18, BLOCK 76, AND PORTION OF SECTIONS 37 AND 48, BLOCK 79, TOWNSHIP 2, TEXAS AND PACIFIC RAILWAY CO. SURVEYS, CITY OF EL PASO, EL PASO COUNTY, TEXAS CONTAINING: 86.09± ACRES

S C A L E
HORIZ: AS NOTED
VERT: ---
DATE: MAY 2013
DESIGN BY: R.M.
INITIATED BY: R.R.
CHECKED BY: R.M.
JOB NO.: 113-35

IRRIGATOR'S SEAL

CONDE INC.
ENGINEERING / PLANNING
SURVEYING / GFS
6080 SURETY DR. STE 100
EL PASO, TEXAS 79905
PHONE: (915) 592-0263
FAX: (915) 592-0266



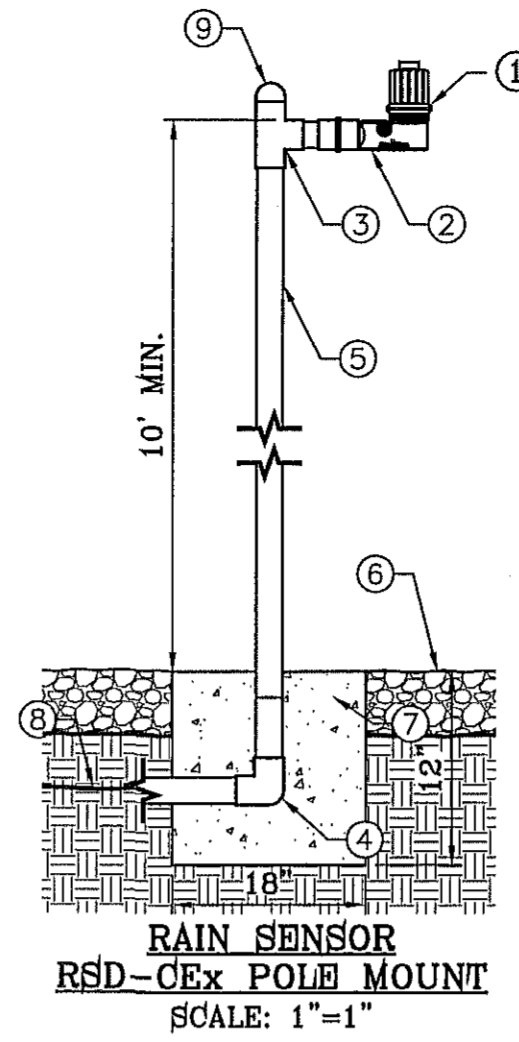
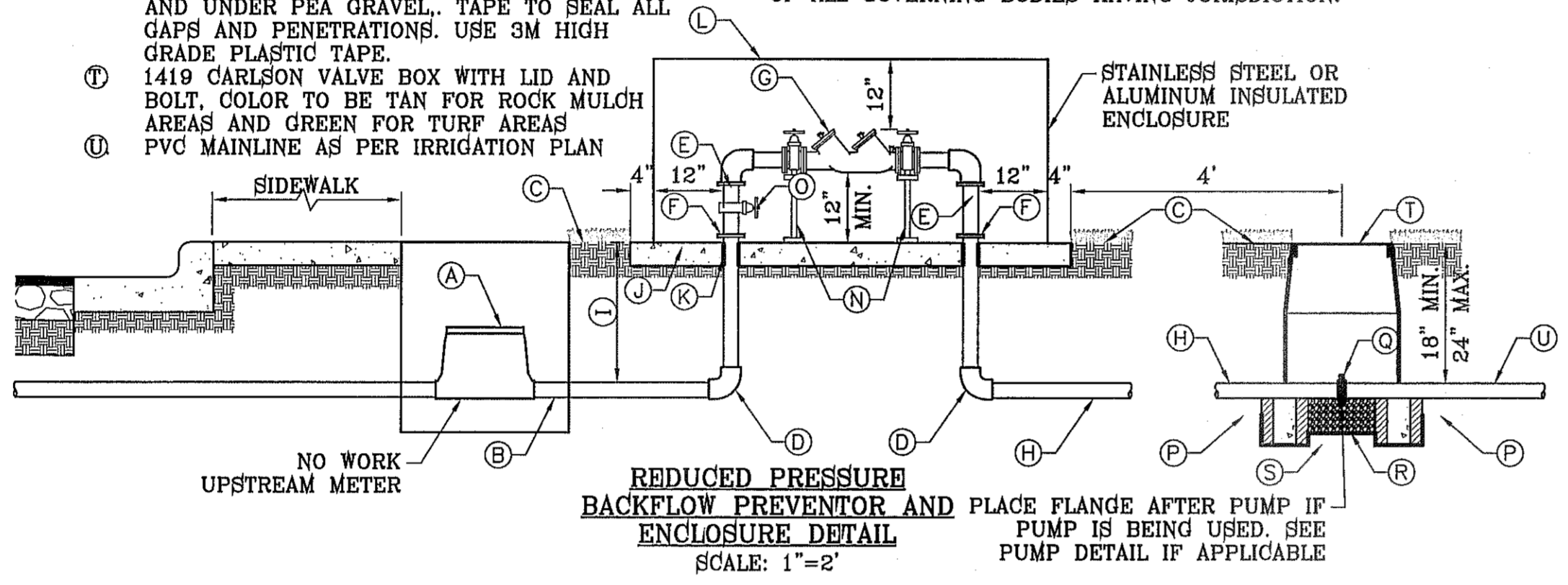
SHEET TITLE

IRRIGATION DETAILS

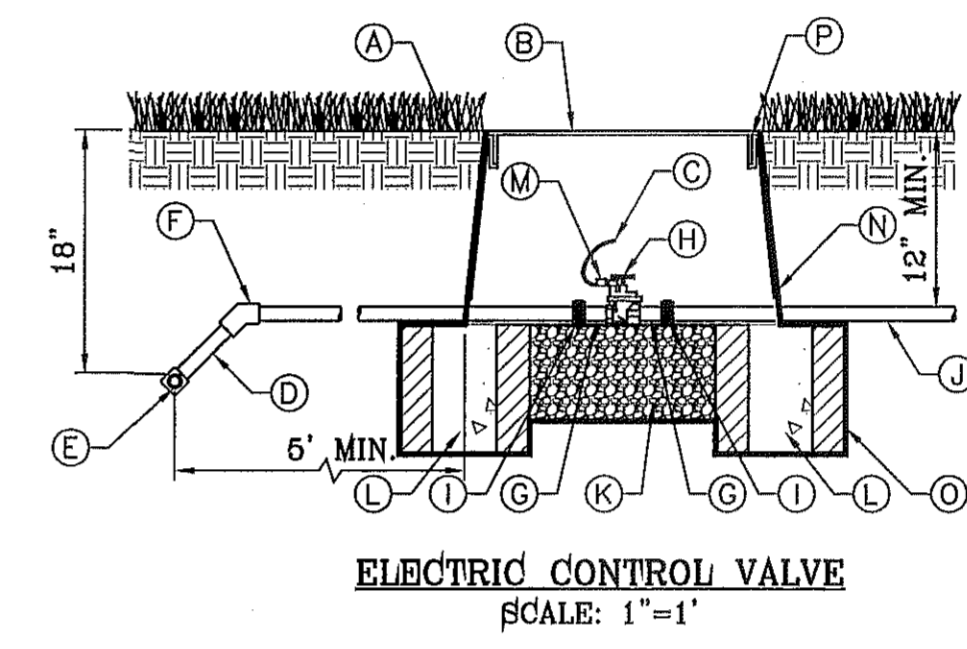
FILE LOCATION S:\LANDSCAPE\76 L&I\DWG\DETAILS PLOTTED ON Wednesday, September 24, 2014 10:56:52 AM BY RUBEN RIVERA

- (A) PROPOSED METER SERVICE LINE, NO OUTLETS ALLOWED.
- (B) COPPER FINISH GRADE
- (C) TYPE K COPPER ELL
- (D) TYPE K COPPER NIPPLE
- (E) BRASS UNION, 4" ABOVE GRADE, MIN.
- (F) BACKFLOW PREVENTOR DEVICE (SEE PLAN) HEIGHT 12" MIN, MAX 30"
- (G) COPPER MAINLINE
- (H) 28" MINIMUM DEPTH
- (I) 3000 PSI CONCRETE PAD, 4" DEPTH, EXTEND 4" BEYOND EDGE OF ENCLOSURE
- (J) PIPE SHALL BE SLEEVED THROUGH CONCRETE PAD WITH SEALED SHC 40 PVC.
- (K) BACKFLOW ENCLOSURE (SEE PLAN) MUST MEET R VALUE OF 25, & PROVIDED MINIMUM CLEARANCES.
- (L) STEEL SUPPORT BRACKETS BOLTED TO CONCRETE PAD
- (M) BRASS ISOLATION VALVE.
- (N) BRICK BLOCK AT EACH CORNER FLANGE
- (O) 3/8" PEA GRAVEL, 4" DEEP (NO SOIL IN BOX)
- (P) SET IN CARLSON VALVE BOX WEED CLOTH ALL AROUND BOX PIPE AND UNDER PEA GRAVEL. TAPE TO SEAL ALL GAPS AND PENETRATIONS. USE 3M HIGH GRADE PLASTIC TAPE.
- (Q) 1419 CARLSON VALVE BOX WITH LID AND BOLT, COLOR TO BE TAN FOR ROCK MULCH AREAS AND GREEN FOR TURF AREAS
- (R) PVC MAINLINE AS PER IRRIGATION PLAN

- GENERAL NOTES:**
1. ENCLOSURE MUST NOTE ASSE#1060 FOR BACKFLOW DEVICE.
 2. DO NOT INSTALL IN FLOOD PRONE AREAS.
 3. METAL RISER PIPING REQUIRED.
 4. JOINTS TO BE ADEQUATELY RESTRAINED.
 5. HORIZONTAL INSTALLATION REQUIRED AS SHOWN.
 6. RPBP SHALL BE SUPPORTED AT ALL TIMES DURING AND AFTER INSTALLATION. PIPES ARE NOT TO BARE WEIGHT OF RP DEVICE. BACKFLOW PREVENTION DEVICE SHALL BE PROPERLY SUPPORTED BY BRACKETS AND NOT COPPER RISERS OR COPPER RISERS WILL BE REPLACED.
- ELECTRICAL NOTES:**
- CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING, COORDINATING, AND INSTALLING ALL ELECTRICAL AND ELECTRICAL SUPPLIES NECESSARY FOR THE INSTALLATION AND OPERATION OF THE IRRIGATION SYSTEM SPECIFIED.
- ALL ELECTRICAL SHALL BE IN COMPLIANCE WITH ALL APPLICABLE CODES, ORDINANCES AND REQUIREMENTS OF ALL GOVERNING BODIES HAVING JURISDICTION.

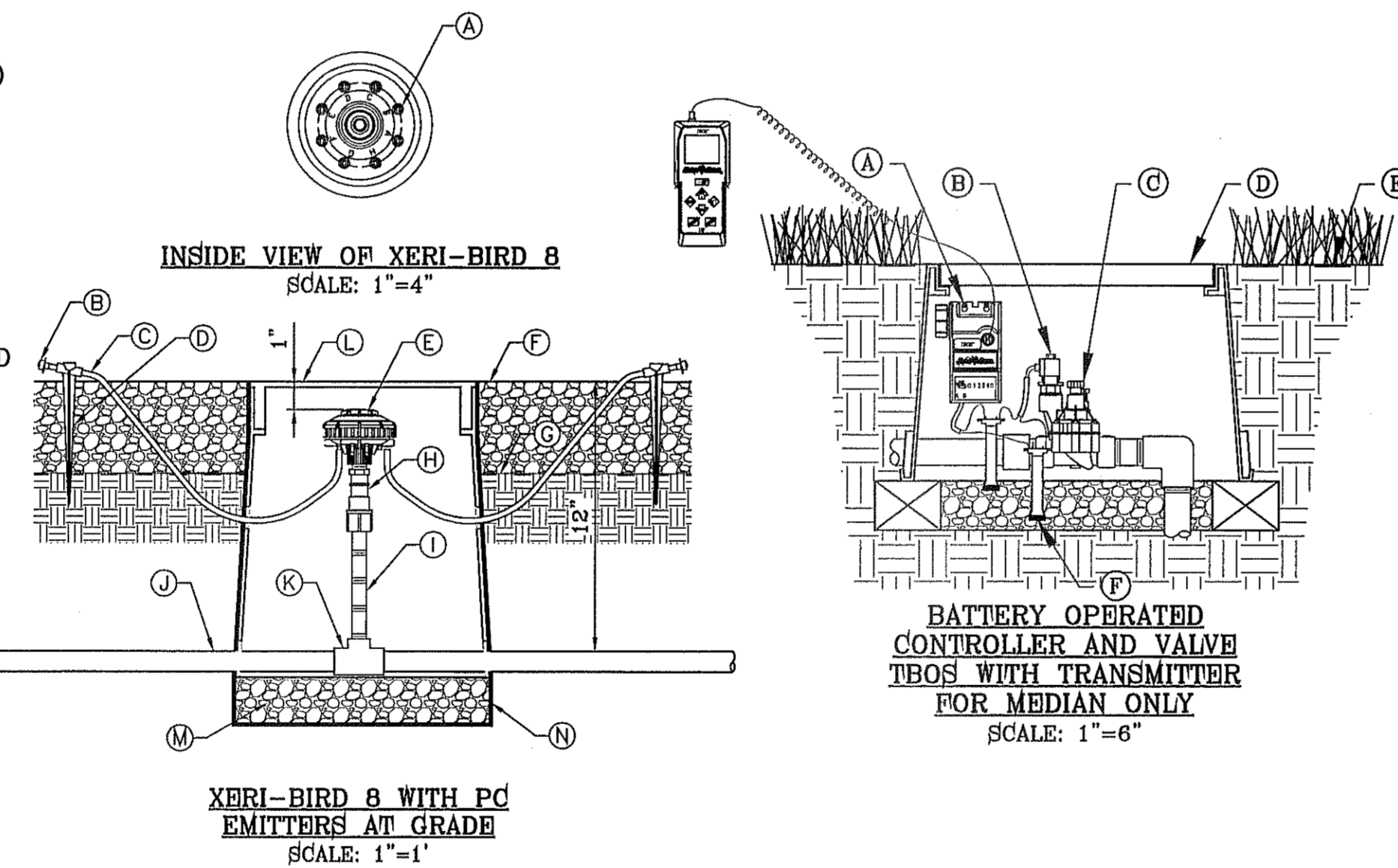


- (1) RAIN SENSOR: RAIN BIRD RSD-CEX
- (2) FEMALE ADAPTER (SLIP X FIPT)
- (3) GALVANIZED TEE BEND
- (4) GALVANIZED 90° BEND
- (5) 2 1/2-INCH SCHEDULE 40 GALVANIZED PIPE
- (6) FINISHED GRADE
- (7) 12"x18" CONCRETE BASE
- (8) WIRE TO IRRIGATION CONTROLLER
- (9) GALVANIZED STEEL CAP TO BE SECURED IN PLACE
- (10) MINIMUM 7' AWAY FROM ANY STRUCTURE

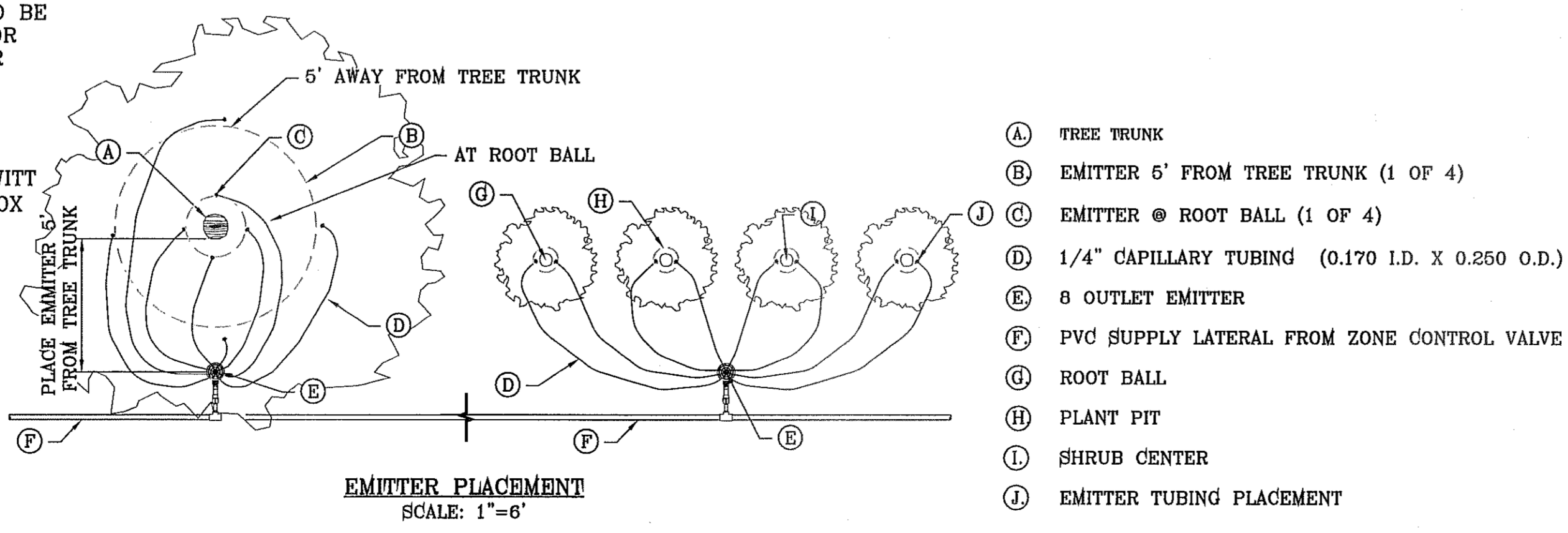
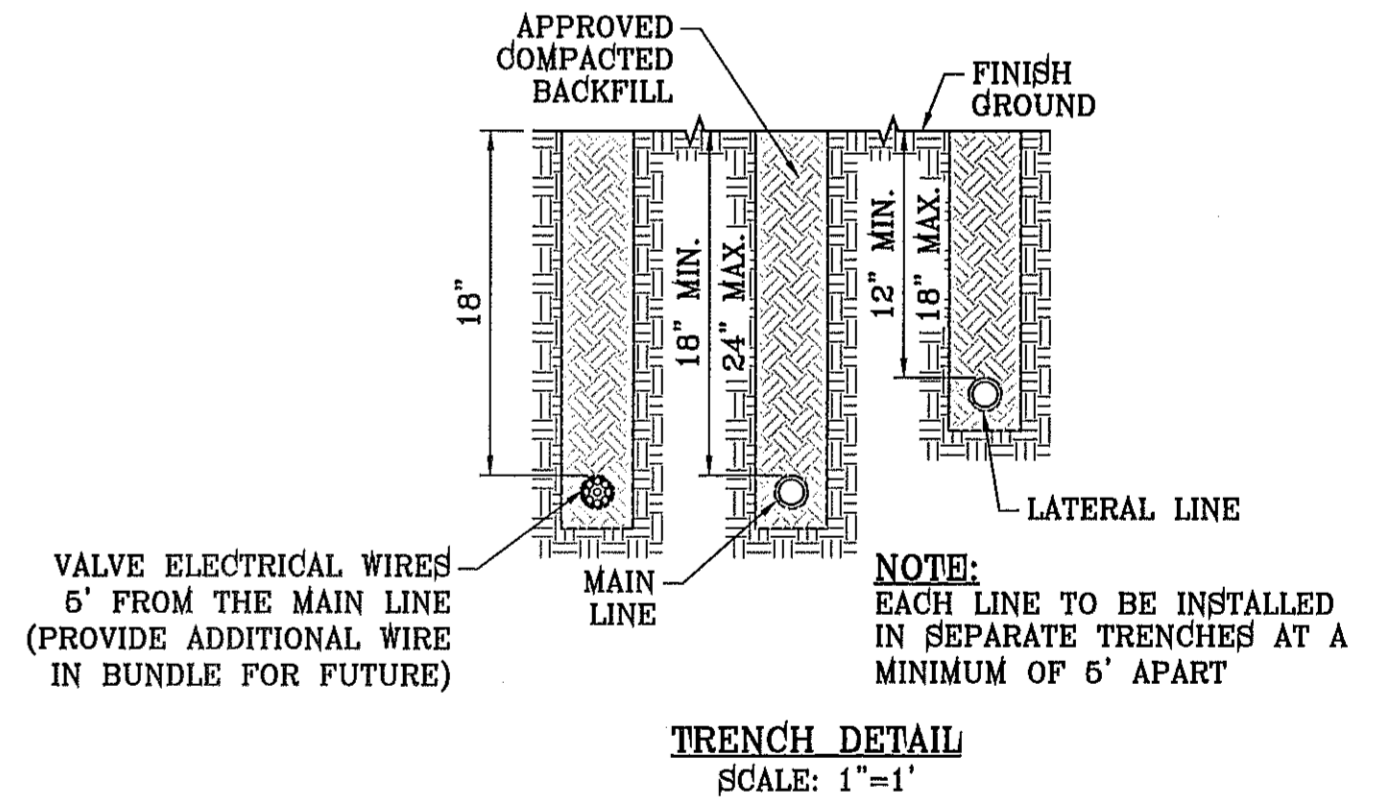


- (A) FINISH GRADE
- (B) 1419 CARLSON VALVE BOX WITH LID AND BOLT, COLOR TO BE TAN FOR ROCK MULCH AREAS AND GREEN FOR TURF AREAS
- (C) 3M SCOTCHLOK CONNECTORS OR APPROVED EQUAL
- (D) IRRIGATION MAINLINE/LATERAL MAINLINE
- (E) IRRIGATION SERVICE TEE OR ELL
- (F) SCHEDULE 80 PVC ELBOW
- (G) SCHEDULE 80 PVC CLOSED NIPPLE
- (H) WEATHERMATIC 8200CR-20 ELECTRIC CONTROL VALVE
- (I) SCHEDULE 80 PVC UNIONS ON LINES 3" OR SMALLER, AND FLANGES ON LINES 3" OR LARGER
- (J) LATERAL LINE
- (K) 1 CUBIC FOOT 1" DIAMETER WASHED ROCK
- (L) 6"x8"x16" SOLID CMU BLOCK
- (M) 24" WIRE EXPANSION COIL
- (N) 6 mm BLACK POLYETHYLENE PLASTIC TAPE TO ALL INLET AND OUTLET PIPE
- (O) PROVIDE WEED BARRIER FABRIC DeWITT PRO 5" UNDER AND AROUND VALVE BOX AND SEAL ALL PIPE PENETRATIONS

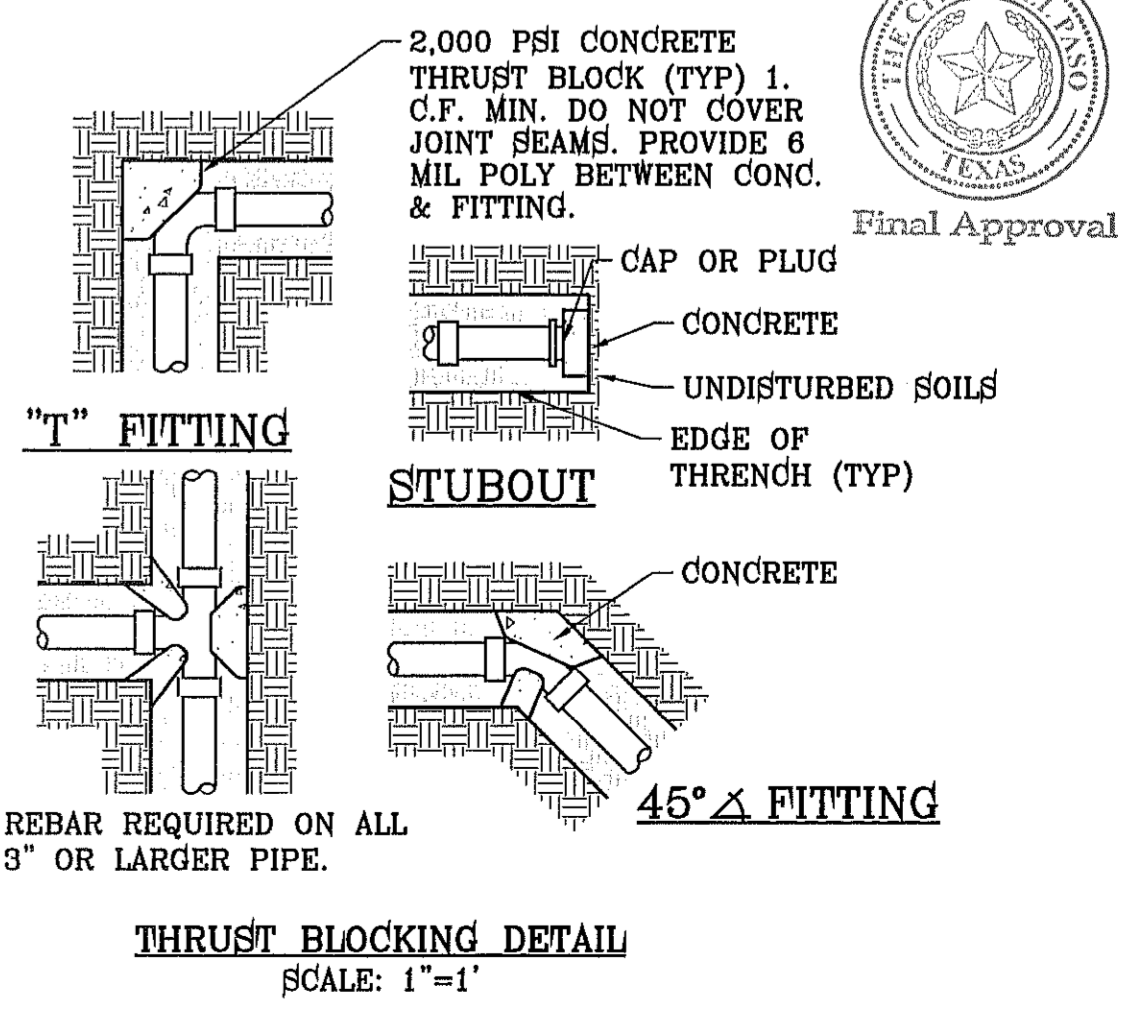
- (A) (8) 1-GPH XERI-BUGS INSTALLED AT FACTORY
- (B) DIFFUSER BUG CAP, RAIN BIRD DBC-025 (TYPICAL)
- (C) 1/4-INCH TUBING: POLYETHYLENE DISTRIBUTION TUBING RAIN BIRD PT-025 OR VINYL DISTRIBUTION TUBING RAIN BIRD DT-025 (0.170 I.D. X 0.250 O.D.)
- (D) 1/4-INCH TUBING STAKE: RAIN BIRD TS-025 (1 OF 2)
- (E) MULTI-OUTLET EMISSION DEVICE RAIN BIRD XERI-BIRD 8 XBD-81 (WITH EIGHT 1-GPH XERI-BUG XB-10PC EMITTERS FACTORY INSTALLED)
- (F) TOP OF MULCH
- (G) FINISH GRADE
- (H) RETROFIT PRESSURE REGULATOR: RAIN BIRD PRS-050-30
- (I) PVC SCH 80 NIPPLE (LENGTH AS REQUIRED)
- (J) PVC LATERAL PIPE
- (K) PVC SCH 40 TEE OR ELL
- (L) SET IN CARSON 910 SERIES BOX AND BE BOLTED DOWN, COLOR TO BE TAN FOR ROCK MULCH AREAS AND GREEN FOR TURF AREAS
- (M) 3/8" PEA GRAVEL, 4" DEEP
- (N) PROVIDE WEED BARRIER FABRIC "DeWITT PRO 5" UNDER AND AROUND VALVE BOX AND SEAL ALL PIPE PENETRATIONS



- (A) RAIN BIRD TBO5 CONTROL MODULE
- (B) RAIN BIRD TBO5 SOLEOID
- (C) RAINBIRD 100-PESB REMOTE CONTROL VALVE
- (D) CARSON VALVE BOX 1419 WITH BOLT, COLOR TO BE TAN FOR ROCK MULCH AREAS AND GREEN FOR TURF AREAS
- (E) FINISH GRADE
- (F) WATERPROOF CONNECTION: RAIN BIRD "QUICK CONNECT" DBY (1 OF 2)
- (G) RAINBIRD TBO5 FIELD TRANSMITTER



- (A) TREE TRUNK
- (B) EMITTER 5' FROM TREE TRUNK (1 OF 4)
- (C) EMITTER @ ROOT BALL (1 OF 4)
- (D) 1/4" CAPILLARY TUBING (0.170 I.D. X 0.250 O.D.)
- (E) 8 OUTLET EMITTER
- (F) PVC SUPPLY LATERAL FROM ZONE CONTROL VALVE
- (G) ROOT BALL
- (H) PLANT PIT
- (I) SHRUB CENTER
- (J) EMITTER TUBING PLACEMENT



BENCHMARK	REVISIONS	BY
CITY MONUMENT AT THE CENTERLINE INTERSECTION OF RALPH SEITSINGER DR. AND GALICENO PL. ELEVATION 4025.83		
DATE		

PROJECT NAME
TIERRA DEL ESTE UNIT 76 LANDSCAPE AND IRRIGATION

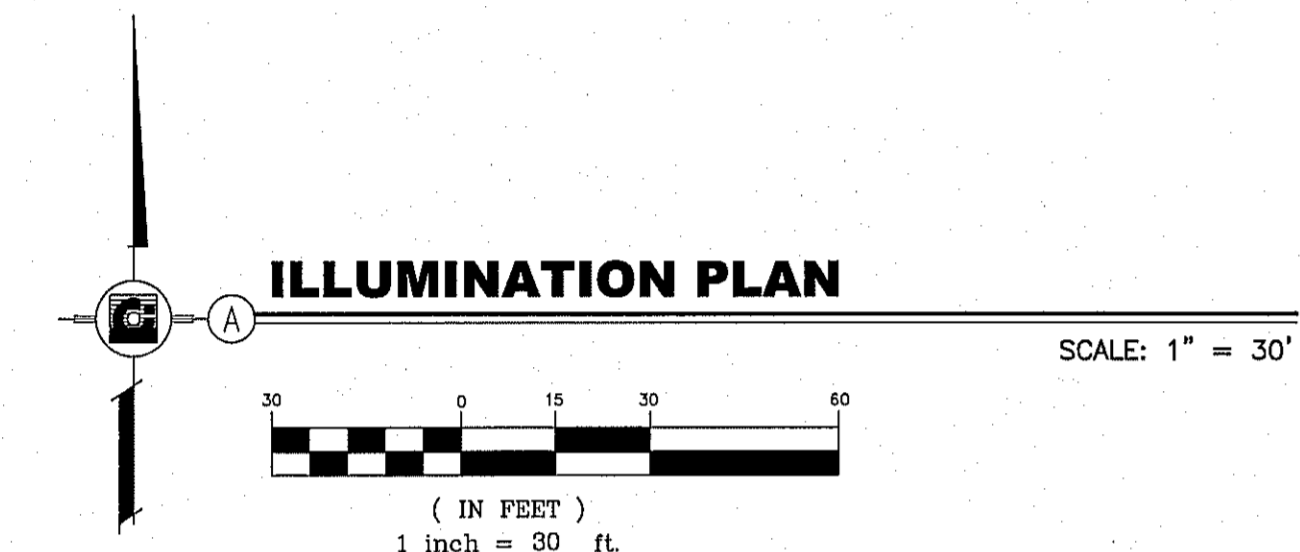
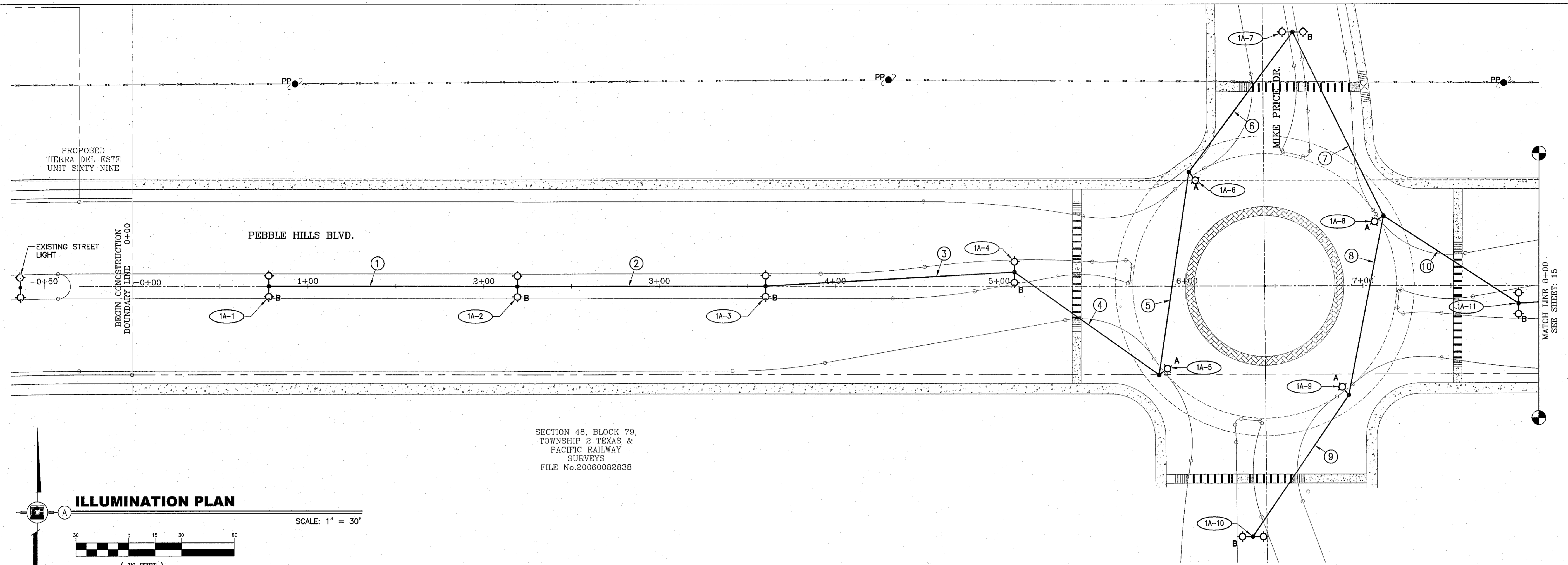
BENCH MARK PORTION OF SECTION 18, BLOCK 78, AND PORTION OF SECTIONS 37 AND 48, BLOCK 79, TOWNSHIP 2, TEXAS AND PACIFIC RAILWAY CO. SURVEYS, CITY OF EL PASO, EL PASO COUNTY, TEXAS CONTAINING: .86.09± ACRES

SCALE
HORIZ: AS NOTED
VERT: ---

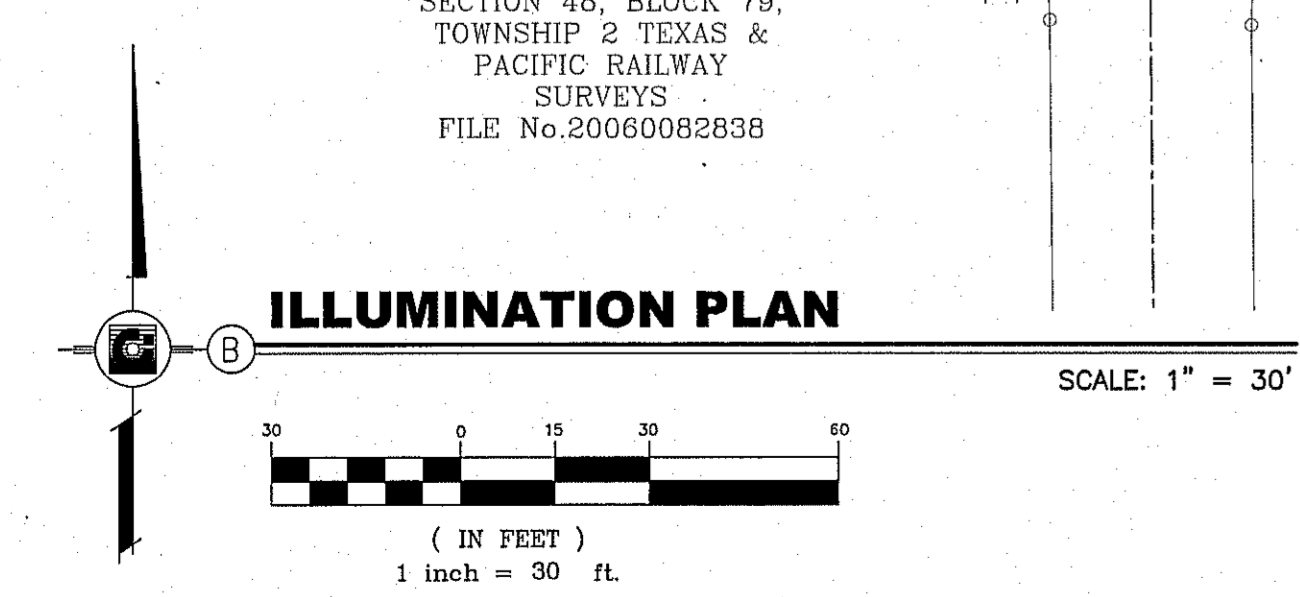
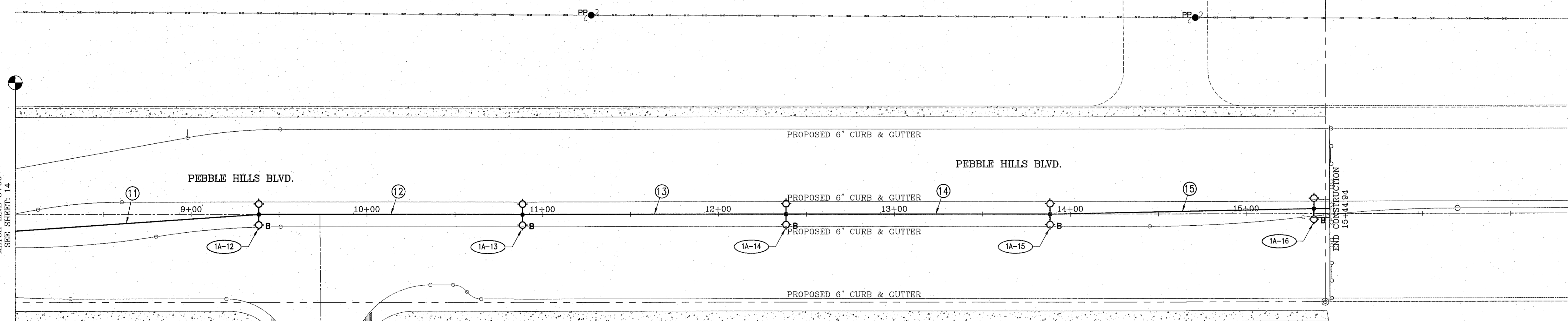
DATE: MAY 2013
DESIGN BY: R.M.
INITIATED BY: R.R.
CHECKED BY: R.M.
JOB NO.: 113-36

CONDE INC.
ENGINEERING / PLANNING
SURVEYING / GPS
6080 SURETY DR. STE 100
EL PASO, TEXAS 79905
PHONE: (915) 592-0283
FAX: (915) 592-0286

SHEET TITLE
IRRIGATION DETAILS



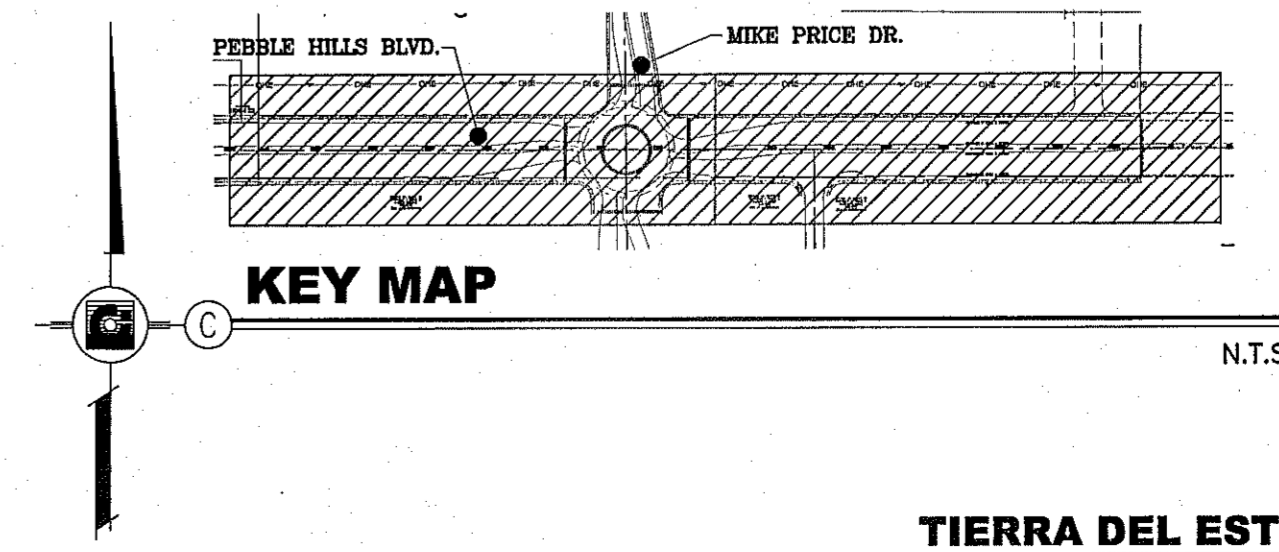
SECTION 48, BLOCK 79,
TOWNSHIP 2 TEXAS &
PACIFIC RAILWAY
SURVEYS
FILE No. 20060082838



SECTION 48, BLOCK 79,
TOWNSHIP 2 TEXAS &
PACIFIC RAILWAY
SURVEYS
FILE No. 20060082838

SECTION 48, BLOCK 79,
TOWNSHIP 2 TEXAS &
PACIFIC RAILWAY
SURVEYS
FILE No. 20060082838

REFER TO SHEET 6 OF 7 FOR GENERAL NOTES,
ELECTRICAL LEGEND, LIGHT STANDARD ASSEMBLY
SCHEDULE AND TYPICAL TRENCH DETAIL.



GONZALO AGUILAR
PROFESSIONAL ENGINEER, INC.
REGISTRATION NUMBER: F-4190
481 B N. REBLER
PHONE: (915) 551-5622
FAX: (915) 681-2824
EMAIL: gonzaga@aol.com

DATE	REVISIONS	BY
XX/XX/XX	CITY REDLINES AS PER XX/XX/XX COMMENTS	X.X.

TIERRA DEL ESTE UNIT SEVENTY TWO
BEING PORTION OF SECTIONS 37 AND 48,
BLOCK 79, TOWNSHIP 2 TEXAS
AND PACIFIC RAILWAY C. SURVEYS
CITY OF EL PASO, EL PASO COUNTY, TEXAS
CONTAINING: 97.651 ACRES

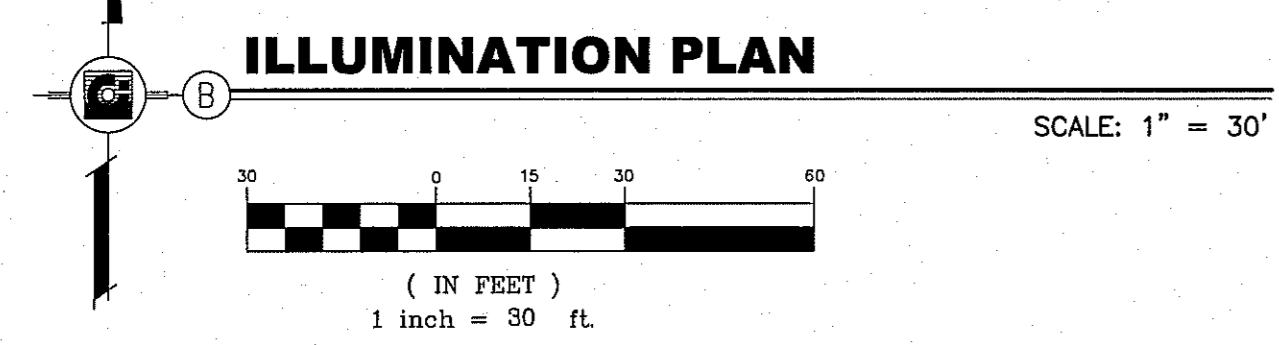
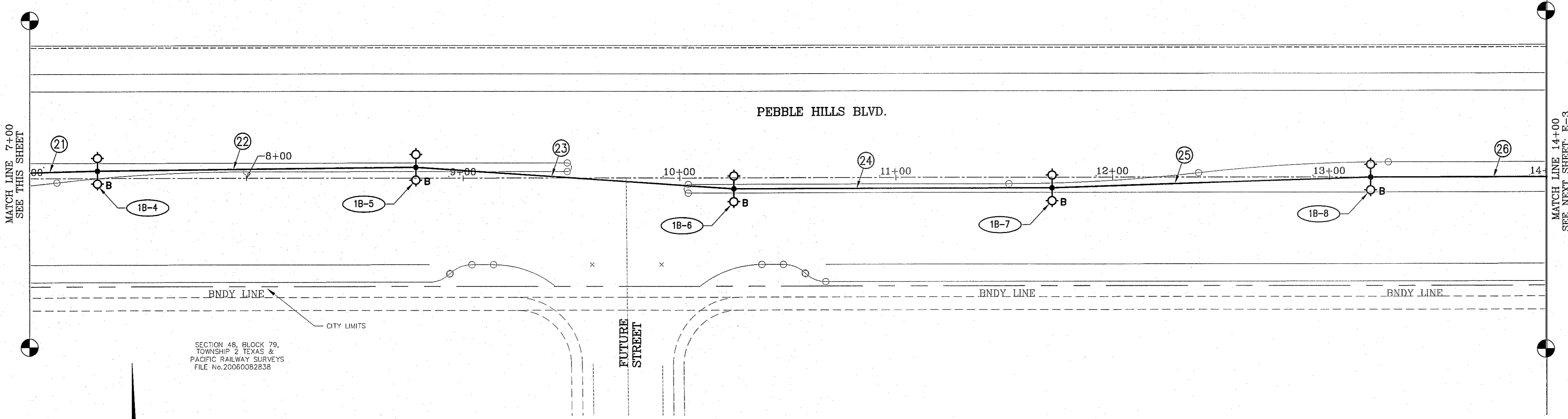
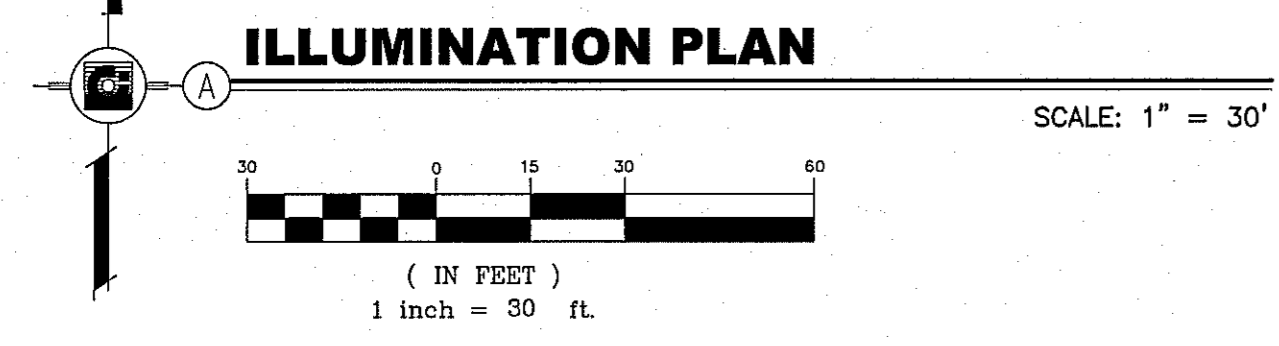
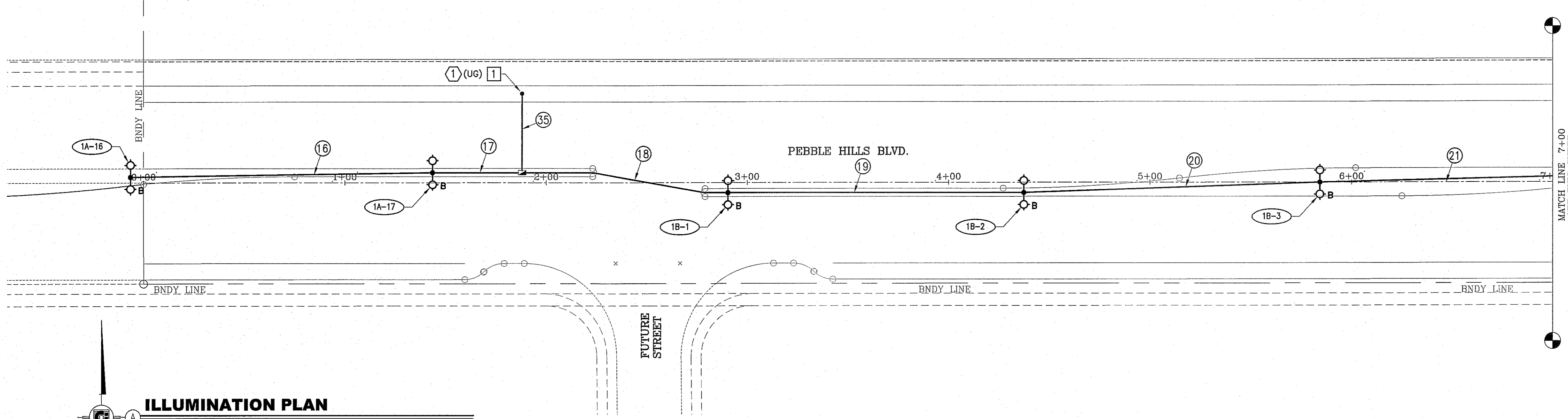
SCALE
HORIZ: 1" = 30'
VERT: 1" = 10'
DATE: OCTOBER 2013
DESIGN BY: G.A.
INITIATED BY: A.H.V. A.M.
CHECKED BY: G.A.
JOB NO.: 112-08



CONDE INC.
ENGINEERING / PLANNING
SURVEYING / GPS
6080 SURVEY DR. STE 100
EL PASO, TEXAS 79905
PHONE: (915) 592-0288
FAX: (915) 592-0286

CONDE INC.
REGISTRATION No. F-2221

SHEET TITLE
**ILLUMINATION PLAN
PEBBLE HILLS BLVD**
**START STATION
0+00 TO END
STATION
15+44.94**
E-1
SHT 1 OF 1

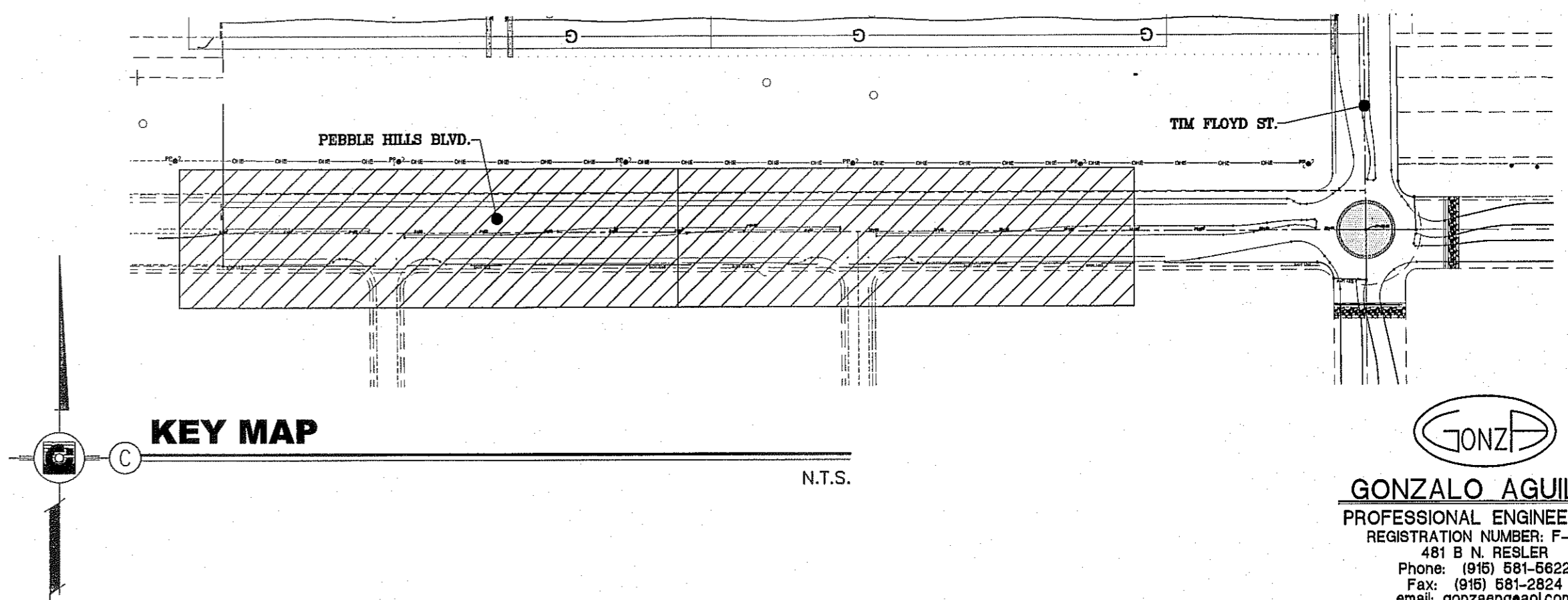


SECTION 48, BLOCK 79,
TOWNSHIP 2, TEXAS &
PACIFIC RAILWAY SURVEYS
FILE No. 20060082838

KEYED NOTES: THIS SHEET ONLY

- 1 HEIGHT OF GRANITE CONCRETE SERVICE SUPPORT POLE SHALL BE COORDINATED WITH EL PASO ELECTRIC TO PROVIDE THE REQUIRED CLEARANCES AND DISTANCES PER DSO1870. VERIFY PRIOR TO PURCHASE AND CUTTING OF SERVICE SUPPORT POLE.

REFER TO SHEET 6 OF 7 FOR GENERAL NOTES,
ELECTRICAL LEGEND, LIGHT STANDARD ASSEMBLY
SCHEDULE AND TYPICAL TRENCH DETAIL.



BENCHMARK	
CITY MONUMENT AT THE CENTERLINE INTERSECTION OF RAJAP SEISINGER DR. AND GALICENO PL	ELEVATION 4025.63
DATE	REVISIONS
XX/XX/XX	CITY REVISIONS AS PER XX/XX/XX COMMENTS
BY	X.X.

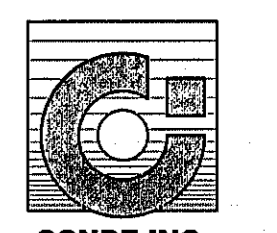
PROJECT NAME
TIERRA DEL ESTE UNIT 76
BEING PORTION OF SECTION 18, BLOCK 76,
AND PORTION OF SECTIONS 37 AND 46,
BLOCK 79, TOWNSHIP 2, TEXAS
AND PACIFIC RAILWAY CO. SURVEYS
FILE NO. 20060082838, TEXAS
CITY OF CONTAINING: 66.09± ACRES

SCALE
HORIZ: 1" = 30'

DATE: OCTOBER 2019
DESIGN BY: G.A.
INITIATED BY: A.E.V. A.M.
CHECKED BY: G.A.
JOB NO.: 113-35



CONDE INC.
ENGINEERING / PLANNING
SURVEYING / GPS
6080 SURETY DR. STE 100
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FAX: (915) 592-0286

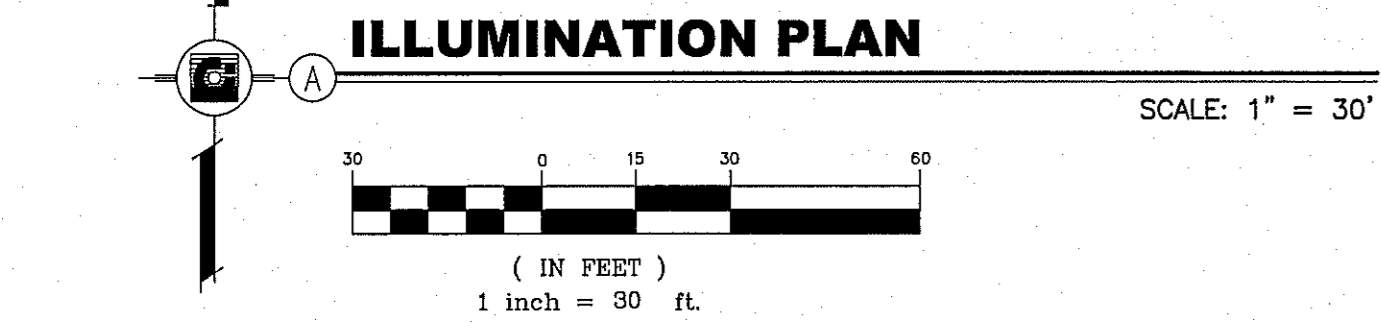
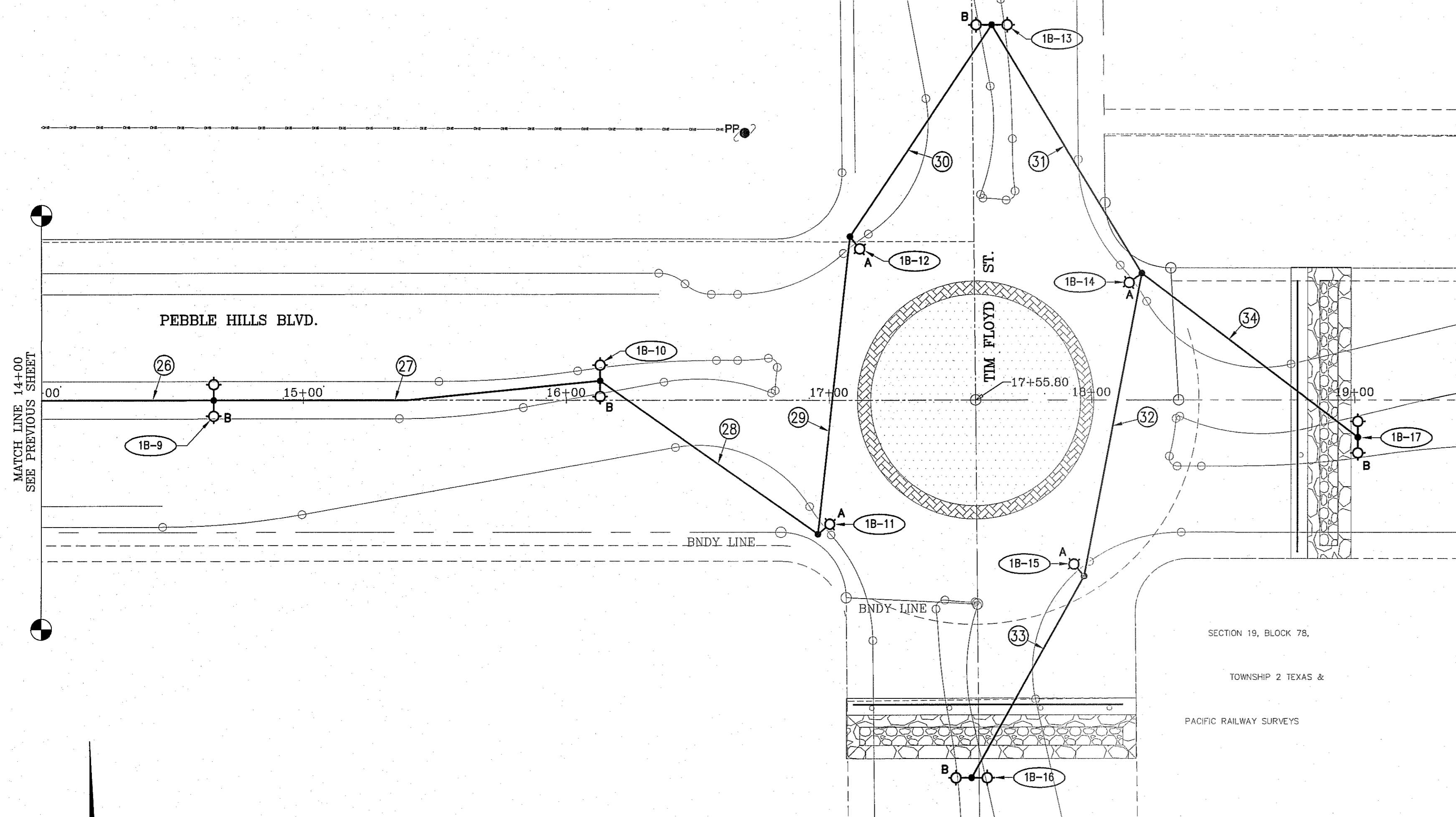


SHEET TITLE
ILLUMINATION PLAN
PEBBLE HILLS BLVD

START STATION
0+00
TO
STATION 14+00

E-2
SHT 2 OF 6

GONZALO AGUILAR
PROFESSIONAL ENGINEER, INC.
REGISTRATION NUMBER: F-4190
481 B N. RESLER
PHONE: (915) 581-5822
FAX: (915) 681-2824
email: gonzalo@conde.com



KEYED NOTES: THIS SHEET ONLY

1 HEIGHT OF GRANITE CONCRETE SERVICE SUPPORT POLE SHALL BE COORDINATED WITH EL PASO ELECTRIC TO PROVIDE THE REQUIRED CLEARANCES AND DISTANCES PER DSO1870. VERIFY PRIOR TO PURCHASE AND CUTTING OF SERVICE SUPPORT POLE.

1(1) = TXDOT TY A(240/480) 100(NS) SS(E) GC(O); SEE SHEET ED(4)-03; NO METER, NO SAFETY SWITCH, 2 EACH 30A-2P BRANCH BREAKERS, 100A-2P MAIN BREAKER

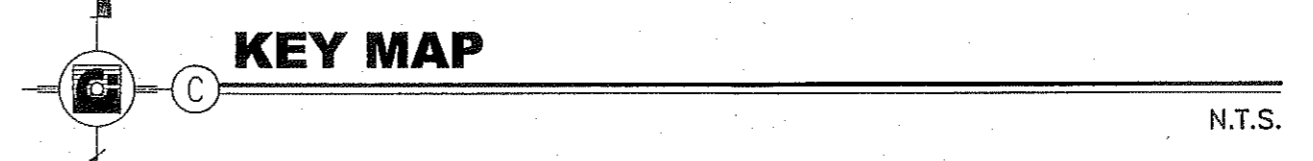
PEBBLE HILLS. SERVICE SOURCE (1)			
LIGHT NO.	LOCATION		
	STATION	BASELINE	OFFSET
1A-1	0+78	PEBBLE HILLS BLVD	-
1A-2	2+19	PEBBLE HILLS BLVD	-
1A-3	3+60	PEBBLE HILLS BLVD	-
1A-4	5+02	PEBBLE HILLS BLVD	LT
1A-5	5+84	PEBBLE HILLS BLVD	RT
1A-6	6+02	PEBBLE HILLS BLVD	LT
1A-7	1+43	MIKE PRICE DR	RT
1A-8	7+07	PEBBLE HILLS BLVD	LT
1A-9	6+92	PEBBLE HILLS BLVD	RT
1A-10	-(1+42)	MIKE PRICE DR	LT
1A-11	7+89	PEBBLE HILLS BLVD	RT
1A-12	9+36	PEBBLE HILLS BLVD	-
1A-13	10+88	PEBBLE HILLS BLVD	-
1A-14	12+36	PEBBLE HILLS BLVD	-
1A-15	13+89	PEBBLE HILLS BLVD	-
1A-16	15+39	PEBBLE HILLS BLVD	LT
1A-17	1+43	PEBBLE HILLS BLVD	LT

PEBBLE HILLS. SERVICE SOURCE (1)			
LIGHT NO.	LOCATION		
	STATION	BASELINE	OFFSET
1B-1	2+91	PEBBLE HILLS BLVD	RT
1B-2	4+37	PEBBLE HILLS BLVD	RT
1B-3	5+85	PEBBLE HILLS BLVD	-
1B-4	7+31	PEBBLE HILLS BLVD	LT
1B-5	8+78	PEBBLE HILLS BLVD	LT
1B-6	10+25	PEBBLE HILLS BLVD	RT
1B-7	11+72	PEBBLE HILLS BLVD	RT
1B-8	13+18	PEBBLE HILLS BLVD	-
1B-9	14+65	PEBBLE HILLS BLVD	-
1B-10	16+13	PEBBLE HILLS BLVD	LT
1B-11	16+96	PEBBLE HILLS BLVD	RT
1B-12	17+08	PEBBLE HILLS BLVD	LT
1B-13	1+42	TIM FLOYD ST	RT
1B-14	18+19	PEBBLE HILLS BLVD	LT
1B-15	17+97	PEBBLE HILLS BLVD	RT
1B-16	-(1+43)	TIM FLOYD ST	LT
1B-17	19+02	PEBBLE HILLS BLVD	RT

CONDUIT/CABLE SCHEDULE--SERVICE NO. (1)					
RUN NO.	(PVC) (SCHD 40) (2 INCH) TRENCH BORE	GROUND WIRE LENGTH	CONDUCTORS QUANTITY & LENGTH		ESTIMATED LENGTH OF RUN (LINEAR FT.)
			#6 BARE	#6 XHHW	
1	141	-	141	2 @ 141	141
2	141	-	141	2 @ 141	141
3	145	-	145	2 @ 145	145
4	100	-	100	2 @ 100	100
5	115	-	115	2 @ 115	115
6	100	-	100	2 @ 100	100
7	116	-	116	2 @ 116	116
8	110	-	110	2 @ 110	110
9	100	-	100	2 @ 100	100
10	93	-	93	2 @ 93	93
11	153	-	153	2 @ 153	153
12	150	-	150	2 @ 150	150
13	150	-	150	2 @ 150	150
14	151	-	151	2 @ 151	151
15	150	-	150	2 @ 150	150
16	150	-	150	2 @ 150	150
17	45	-	45	2 @ 45	45
18	105	-	105	2 @ 105	105

CONDUIT/CABLE SCHEDULE--SERVICE NO. (1)					
RUN NO.	(PVC) (SCHD 40) (2 INCH) TRENCH BORE	GROUND WIRE LENGTH	CONDUCTORS QUANTITY & LENGTH		ESTIMATED LENGTH OF RUN (LINEAR FT.)
			#6 BARE	#6 XHHW	
19	146	-	146	2 @ 146	146
20	148	-	148	2 @ 148	148
21	146	-	146	2 @ 146	146
22	147	-	147	2 @ 147	147
23	148	-	148	2 @ 148	148
24	147	-	147	2 @ 147	147
25	146	-	146	2 @ 146	146
26	147	-	147	2 @ 147	147
27	150	-	150	2 @ 150	150
28	100	-	100	2 @ 100	100
29	115	-	115	2 @ 115	115
30	97	-	97	2 @ 97	97
31	110	-	110	2 @ 110	110
32	117	-	117	2 @ 117	117
33	90	-	90	2 @ 90	90
34	103	-	103	2 @ 103	103
35	40	-	40	4 @ 40	40

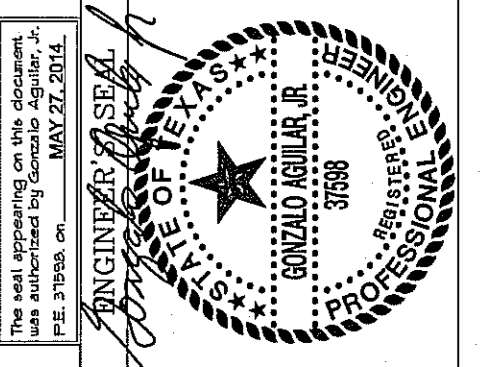
REFER TO SHEET 6 OF 7 FOR GENERAL NOTES, ELECTRICAL LEGEND, LIGHT STANDARD ASSEMBLY SCHEDULE AND TYPICAL TRENCH DETAIL.



BENCHMARK		REVISIONS	
DATE	XX/XX/XX	BY	X.X.

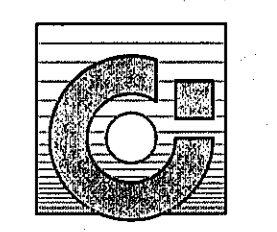
PROJECT NAME
TIERRA DEL ESTE UNIT 76
 BEING PORTION OF SECTION 18, BLOCK 78, AND PORTION OF SECTIONS 37 AND 48, BLOCK 79, TOWNSHIP 2, TEXAS AND PACIFIC RAILWAY CO. SURVEYS. CITY OF EL PASO, EL PASO COUNTY, TEXAS. CONTAINING: 86.09± ACRES

S C A L E
 HORIZ: 1" = 30'
 DATE: OCTOBER 2013
 DESIGN BY: G.A.
 INITIATED BY: A.H.V. A.M.
 CHECKED BY: G.A.
 JOB NO.: 113-35



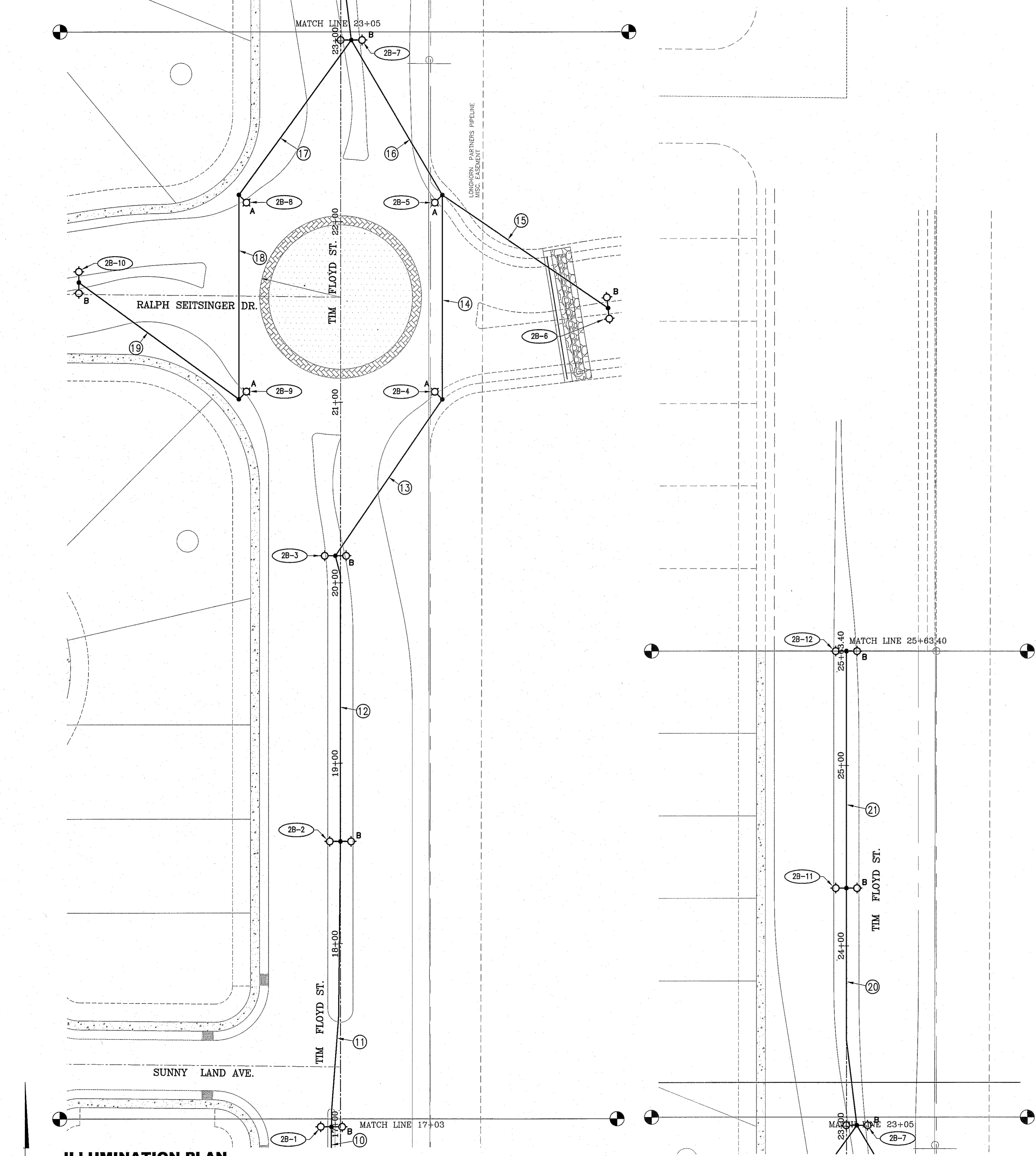
Final Approval

CONDE INC.
 ENGINEERING / PLANNING
 SURVEYING / GPS
 6080 SURETY DR. STE 100
 EL PASO, TEXAS 79905
 PHONE: (915) 592-0283
 FAX: (915) 592-0286

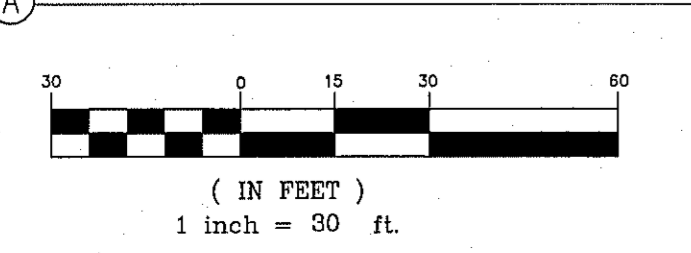


SHEET TITLE
 ILLUMINATION PLAN
 PEBBLE HILLS BLVD
STATION 14+00 TO END STATION 17+55.80

GONZALO AGUILAR
 PROFESSIONAL ENGINEER, INC.
 REGISTRATION NUMBER: F-4190
 481 B N. RESLER
 Phone: (915) 581-5622
 Fax: (915) 581-2824
 email: gonzaga@aol.com



ILLUMINATION PLAN



SCALE: 1" = 30'

1/2 = TXDOT TY A(240/480) 100(NS) SS(E) GC(O); SEE SHEET ED(4)-03; NO METER. NO SAFETY SWITCH, 2 EACH 30A-2P BRANCH BREAKERS, 100A-2P MAIN BREAKER

TIM FLOYD ST. SERVICE SOURCE (2)			
LIGHT NO.	STATION	BASELINE	OFFSET
2A-1	3+02	TIM FLOYD ST	-
2A-2	4+62	TIM FLOYD ST	RT
2A-3	6+20	TIM FLOYD ST	RT
2A-4	7+80	TIM FLOYD ST	-
2A-5	9+40	TIM FLOYD ST	LT
2A-6	11+00	TIM FLOYD ST	LT
2A-7	12+50	TIM FLOYD ST	RT
2A-8	14+00	TIM FLOYD ST	RT
2A-9	15+49	TIM FLOYD ST	LT

TIM FLOYD ST. SERVICE SOURCE (2)			
LIGHT NO.	STATION	BASELINE	OFFSET
2B-1	16+99	TIM FLOYD ST	LT
2B-2	18+57	TIM FLOYD ST	-
2B-3	20+15	TIM FLOYD ST	LT
2B-4	21+02	TIM FLOYD ST	RT
2B-5	22+14	TIM FLOYD ST	RT
2B-6	1+45	RALPH SEITSINGER DR	RT
2B-7	23+00	TIM FLOYD ST	RT
2B-8	22+14	TIM FLOYD ST	LT
2B-9	21+02	TIM FLOYD ST	LT
2B-10	-(1+45)	RALPH SEITSINGER DR	LT
2B-11	24+32	TIM FLOYD ST	-
2B-12	25+63	TIM FLOYD ST	-

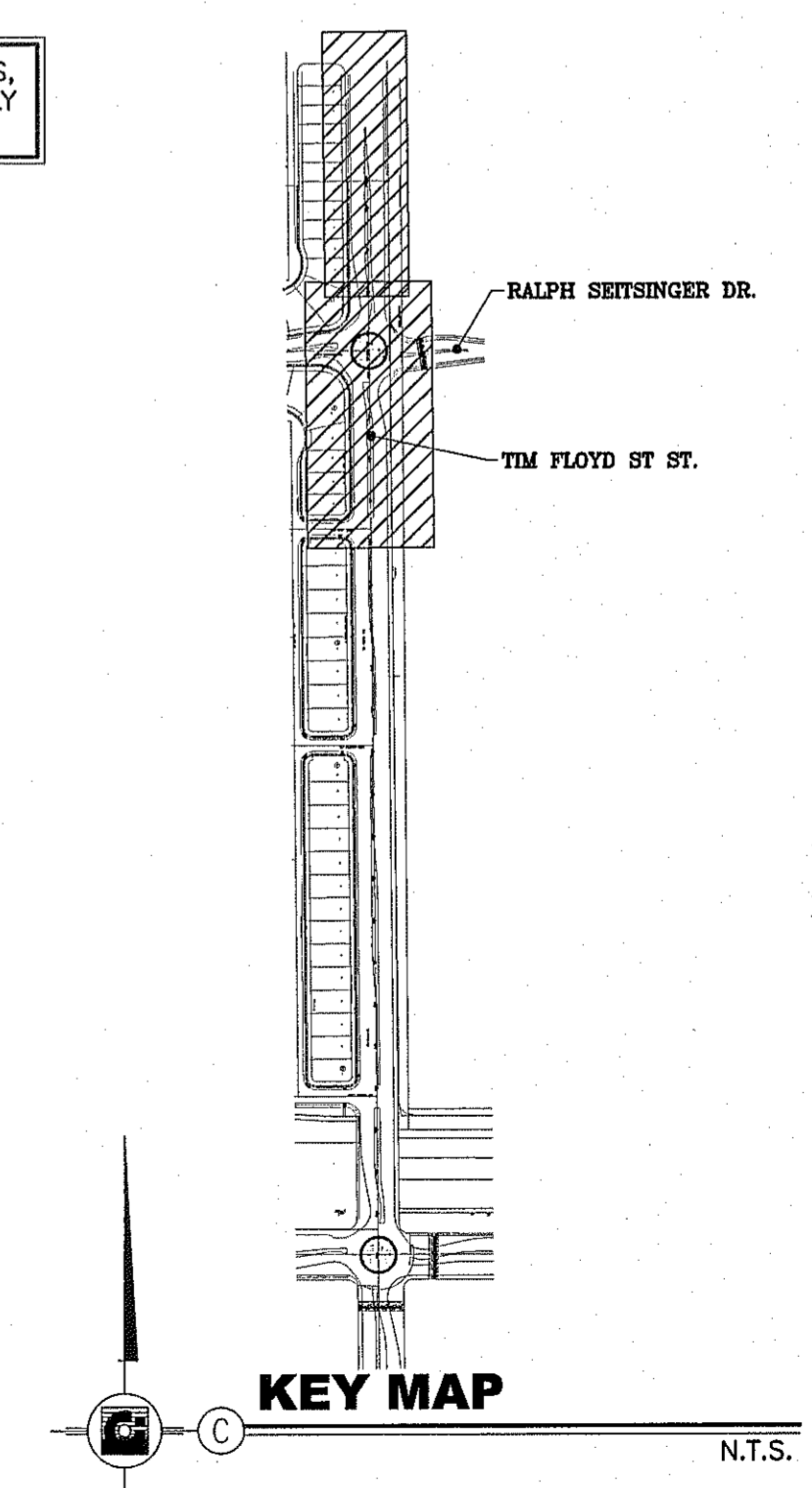
CONDUIT/CABLE SCHEDULE-SERVICE NO. (2)				
CONDUIT RUN NO.	(PVC) (SCHD 40) (2 INCH) TRENCH BORE	GROUND WIRE LENGTH	CONDUCTORS QUANTITY & LENGTH	ESTIMATED LENGTH OF RUN (LINEAR FT.)
1	160	-	2 @ 160	160
2	158	-	2 @ 158	158
3	160	-	2 @ 160	160
4	160	-	2 @ 160	160
5	160	-	2 @ 160	160
6	150	-	2 @ 150	150
7	150	-	2 @ 150	150
8	149	-	2 @ 149	149
9	75	-	2 @ 75	75
10	75	-	2 @ 75	75
11	158	-	2 @ 158	158
12	174	-	2 @ 174	174
13	106	-	2 @ 106	106

CONDUIT/CABLE SCHEDULE-SERVICE NO. (2)				
CONDUIT RUN NO.	(PVC) (SCHD 40) (2 INCH) TRENCH BORE	GROUND WIRE LENGTH	CONDUCTORS QUANTITY & LENGTH	ESTIMATED LENGTH OF RUN (LINEAR FT.)
14	114	-	2 @ 114	114
15	110	-	2 @ 110	110
16	100	-	2 @ 100	100
17	107	-	2 @ 107	107
18	115	-	2 @ 115	115
19	110	-	2 @ 110	110
20	138	-	2 @ 138	138
21	132	-	2 @ 132	132
22	40	-	4 @ 40	40

KEYED NOTES: THIS SHEET ONLY

- 1 HEIGHT OF GRANITE CONCRETE SERVICE SUPPORT POLE SHALL BE COORDINATED WITH EL PASO ELECTRIC TO PROVIDE THE REQUIRED CLEARANCES AND DISTANCES PER DSO1870. VERIFY PRIOR TO PURCHASE AND CUTTING OF SERVICE SUPPORT POLE.

REFER TO SHEET 6 OF 7 FOR GENERAL NOTES, ELECTRICAL LEGEND, LIGHT STANDARD ASSEMBLY SCHEDULE AND TYPICAL TRENCH DETAIL.



KEY MAP

GONZALO AGUILAR
PROFESSIONAL ENGINEER, INC.
REGISTRATION NUMBER: F-4190
481 B N. RESLER
PHONE: (915) 581-6822
FAX: (915) 581-2824
email: gonzaeng@aol.com

DATE	REVISIONS	BY
XX/XX/XX	CITY REDLINES AS PER XX/XX/XX COMMENTS	XX

TERRA DEL ESTE UNIT 76
BEING PORTION OF SECTIONS 37 AND 48, BLOCK 79, TOWNSHIP 2, RANGE 10, COUNTY OF EL PASO, TEXAS. CITY OF EL PASO, TEXAS. CONTAINING: 87.651 ACRES

SCALE: HORIZ: 1" = 30', VERT: 1" = 10'
DATE: OCTOBER 2013
DESIGN BY: G.A.
INITIATED BY: AHV, A.M.
CHECKED BY: G.A.
JOB NO.: 112-08



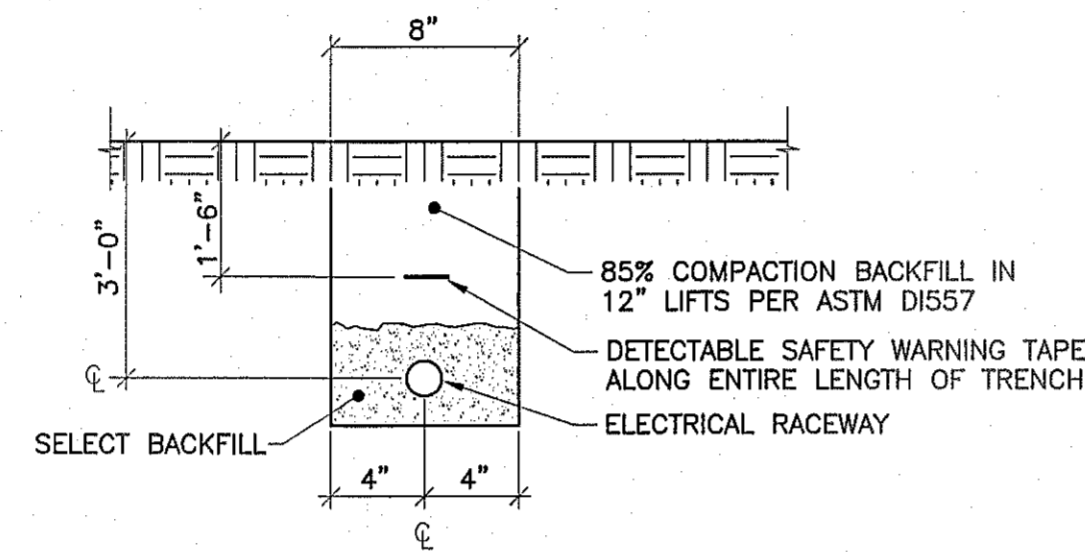
CONDE INC.
ENGINEERING / PLANNING
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6080 SURETY DR. STE 100
EL PASO, TEXAS 79905
PHONE: (915) 592-0263
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CONDE INC.
REGISTRATION No. F-2321

SHEET TITLE
ILLUMINATION PLAN
TIM FLOYD STREET
STATION 17+03
TO END STATION
25+63.40

E-5
SHT 5 OF 7

LIGHT STANDARD ASSEMBLY SCHEDULE					
TYPE	SYMBOL	LAMPS	STEEL POLE		LUMINAIRE
			MNTG. HGT.	DESCRIPTION	QTY.
A		1-250W HPS	30'	FLUTED STEEL POLE, TRANSFORMER BASE, MOSS GREEN FINISH, BREAK AWAY FUSES (2) [1][2]	1 TXDOT APPROVED ROADWAY LUMINAIRE, DARK SKY COMPLIANT, 480 VOLTS, WITH LEVELING BUBBLE.
B		2-250W HPS	30'	FLUTED STEEL POLE, TRANSFORMER BASE, MOSS GREEN FINISH, BREAK AWAY FUSES (4) [1][2]	2 TXDOT APPROVED ROADWAY LUMINAIRE, DARK SKY COMPLIANT, 480 VOLTS, WITH LEVELING BUBBLE.



TYPICAL TRENCH DETAIL

N.T.S.

ELECTRICAL LEGEND	
SYMBOL	DESCRIPTION
	NEW LIGHT STANDARD ASSEMBLY AS SCHEDULED ON NEW CONCRETE BASE
	DENOTES NEW LIGHT STANDARD ASSEMBLY NUMBER. SEE SERVICE SOURCE TABLES.
	DENOTES NEW CONDUIT/CABLE RUN. SEE CONDUIT/CABLE SCHEDULES
	DENOTES NEW ELECTRICAL SERVICE POINT NUMBER
	DENOTES KEYED NOTE
	NEW UNDERGROUND ELECTRICAL (TRENCHED)
	NEW UNDERGROUND ELECTRICAL (BORED)
	NEW GROUND BOX PER CITY OF EL PASO STREETS DEPARTMENT STANDARDS (TXDOT TYPE "A") LABELED "ILLUMINATION"

KEYED NOTES: THIS SHEET ONLY

- 1 PROVIDE 8' ARM WITH DECORATIVE ARM SUPPORT WITH MOSS GREEN FINISH TO MATCH ARMS AND SUPPORTS USED ON LEE TREVINO. COORDINATE AND VERIFY WITH CITY OF EL PASO STREETS DEPT. PRIOR TO SUBMITTING SHOP DRAWINGS AND PRIOR TO PURCHASE.
- 2 POLES, ANCHOR BOLTS AND ANCHOR BOLT CIRCLES SHALL MATCH THE GREEN FLUTED STEEL POLES USED ON LEE TREVINO. COORDINATE AND VERIFY WITH CITY OF EL PASO STREETS DEPT. PRIOR TO SUBMITTING SHOP DRAWINGS AND PRIOR TO PURCHASE.

GENERAL ELECTRICAL NOTES: APPLICABLE TO ALL ELECTRICAL SHEETS

1. CONTRACTOR SHALL COORDINATE THE EXACT LOCATIONS OF ELECTRICAL SERVICE WITH E.P.E.Co. SERVICE SHALL COMPLY WITH THE REQUIREMENTS OF THE LATEST VERSION OF THE E.P.E.Co. ELECTRICAL SERVICE REQUIREMENTS BOOK. ANY EQUIPMENT THAT IS STATED IN THE E.P.E.Co. REQUIREMENTS TO BE PROVIDED AND INSTALLED BY THE OWNER, SHALL BE PROVIDED AND INSTALLED BY THIS CONTRACTOR UNDER THIS CONTRACT.
2. CITY STANDARDS: ALL WORK, MATERIALS AND EQUIPMENT SHALL BE IN ACCORDANCE WITH THE CITY OF EL PASO, TEXAS CITY STANDARDS SPECIFICATIONS; STREETS DEPARTMENT, STREET ILLUMINATION.
3. ALL TRENCHING AND CONDUIT SHALL BE INSTALLED WITHIN CITY OF EL PASO RIGHT-OF-WAYS. TRENCHING AND CONDUIT SHALL NOT BE INSTALLED WITHIN PRIVATE PROPERTY. MINIMUM BURIAL DEPTH OF CONDUITS SHALL BE 24" FROM TOP OF FINISHED GRADE OR FINISHED SURFACE TO TOP OF CONDUITS.
4. USE SONOTUBE FOR FORMING POLE CONCRETE BASES. SONOTUBE SHALL BE LEFT IN PLACE. USE 2 SACK CEMENT TO BACKFILL HOLES. TOP OF BASES SHALL BE 4" ABOVE FINAL FINISHED GRADE.
5. ALL EXPOSED CONDUIT SHALL BE RIGID GALVANIZED STEEL. PROVIDE TRANSITION ELBOW FROM PVC TO RIGID STEEL BELOW GRADE. WRAP STEEL CONDUIT IN CONTACT WITH EARTH TO PREVENT CORROSION.
6. ALL GROUND RODS SHALL BE 5/8"x10'-0" COPPER CLAD.
7. SPLICES SHALL ONLY BE ALLOWED IN GROUND BOXES OR HAND HOLES.

BENCHMARK	CITY MOUNTAIN AT THE CENTERLINE INTERSECTION OF RALPH SEITZINGER DR. AND CALICENO PL. ELEVATION 4025.63	REVISIONS	BY
DATE	XX/XX/XX	CITY REDLINES AS PER XX/XX/XX COMMENTS	XX

PROJECT NAME
TIERRA DEL ESTE UNIT 76
BEING PORTION OF SECTIONS 37 AND 48, BLOCK 79, TOWNSHIP 2, TEXAS AND PACIFIC RAILWAY CO. SURVEYS AND PART OF SECTION 37, TEXAS CITY OF CONTAINING: 97.651 ACRES

SCALE
HORIZ: N/A
VERT: N/A
DATE: OCTOBER 2019
DESIGN BY: G.A.
INITIATED BY: A.H.V. A.M.
CHECKED BY: G.A.
JOB NO.: 112-08



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SHEET TITLE

ELECTRICAL DETAILS
E-6

GONZALO AGUILAR
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TIERRA DEL ESTE UNIT SEVENTY SIX

BEING PORTION OF SECTION 18, BLOCK 78, AND PORTION OF SECTIONS 37 AND 48, BLOCK 79, TOWNSHIP 2, TEXAS AND PACIFIC RAILWAY Co. SURVEYS, CITY OF EL PASO, EL PASO COUNTY, TEXAS CONTAINING: 86.09± ACRES

CURVE	RADIUS	LENGTH	TANGENT	CHORD	BEARING	DELTA
C39	20.00	31.61	20.20	28.42	N44°41'20"E	90°33'38"
C40	20.00	31.22	19.81	28.15	S45°18'40"E	89°26'22"
C41	20.00	31.61	20.20	28.42	S44°41'20"W	90°33'38"
C42	20.00	31.22	19.81	28.15	N45°18'40"W	89°26'22"
C43	20.00	31.61	20.20	28.42	N44°41'20"E	90°33'38"
C44	20.00	31.21	19.79	28.14	N45°17'35"W	89°24'10"
C45	20.00	31.62	20.21	28.43	S44°42'25"W	90°35'50"
C46	20.00	31.21	19.79	28.14	N45°17'35"W	89°24'10"
C47	20.00	31.62	20.21	28.43	N44°42'25"E	90°35'50"
C48	20.00	31.21	19.79	28.14	S45°17'35"E	89°24'10"
C49	20.00	31.62	20.21	28.43	N44°42'25"E	90°35'50"
C50	20.00	31.21	19.79	28.14	S45°17'35"E	89°24'10"
C51	20.00	31.62	20.21	28.43	S44°42'25"W	90°35'50"
C52	20.00	31.21	19.79	28.14	N45°17'35"W	89°24'10"
C53	20.00	31.62	20.21	28.43	N44°42'25"E	90°35'50"
C54	20.00	31.21	19.79	28.14	N45°17'35"W	89°24'10"
C55	20.00	31.62	20.21	28.43	N44°42'25"E	90°35'50"
C56	20.00	31.21	19.79	28.14	S45°17'35"E	89°24'10"
C57	20.00	31.62	20.21	28.43	S44°42'25"W	90°35'50"
C58	30.00	46.81	29.69	42.20	N45°17'35"W	89°24'10"
C59	40.00	12.11	6.10	12.06	N87°20'06"E	17°20'29"
C60	70.00	35.85	18.33	35.46	S87°20'06"E	29°20'51"
C61	70.00	39.43	20.25	38.91	N61°51'10"W	32°16'17"
C62	70.00	39.43	20.25	38.91	N28°34'53"W	32°16'17"
C63	70.00	48.29	25.15	47.33	N08°18'59"E	33°31'21"
C64	70.00	4.40	2.20	4.40	N27°52'45"E	3°36'15"
C65	40.00	21.13	10.82	20.89	S14°32'41"W	30°16'22"
C66	70.00	56.17	29.70	54.68	N23°34'49"W	43°58'40"
C67	70.00	53.05	27.87	51.79	N68°16'54"W	43°25'30"
C68	300.00	26.92	13.47	26.91	S87°25'26"E	5°08'27"
C69	300.00	1.92	0.96	1.92	S84°40'14"E	0°21'58"
C70	1000.00	50.32	25.17	50.32	N85°55'45"W	7°33'00"
C71	1000.00	45.79	22.90	45.79	N88°40'57"W	2°37'25"
C72	20.00	31.62	20.21	28.43	S44°42'25"W	90°35'50"
C73	20.00	31.21	19.79	28.14	N45°17'35"W	89°24'10"
C74	20.00	31.62	20.21	28.43	N44°42'25"E	90°35'50"
C75	20.00	31.21	19.79	28.14	S45°17'35"E	89°24'10"
C76	20.00	31.62	20.21	28.43	S44°42'25"W	90°35'50"
C77	20.00	31.21	19.79	28.14	S45°17'35"E	89°24'10"
C78	20.00	31.62	20.21	28.43	N44°42'25"E	90°35'50"
C79	20.00	31.21	19.79	28.14	S45°17'35"E	89°24'10"
C80	20.00	31.42	20.00	28.28	N44°59'39"W	90°00'00"
C81	20.00	31.42	20.00	28.28	N45°00'21"E	90°00'00"
C82	20.00	31.42	20.00	28.28	S44°59'39"E	90°00'00"
C83	20.00	31.42	20.00	28.28	S45°00'21"E	90°00'00"
C84	30.00	47.44	30.31	42.65	N44°42'25"W	90°35'50"
C85	40.00	8.54	4.29	8.53	N83°52'30"W	12°14'20"
C86	70.00	29.80	15.13	29.58	S89°57'11"E	24°23'42"
C87	70.00	34.51	17.61	34.16	N63°43'37"E	28°14'41"
C88	70.00	34.51	17.61	34.16	N35°25'56"E	28°14'41"
C89	70.00	37.12	19.01	36.68	N08°10'10"E	30°22'50"
C90	70.00	19.78	9.96	19.71	N17°05'58"W	16°11'28"
C91	40.00	17.19	8.73	17.06	S12°54'05"E	24°37'12"
C92	50.00	70.05	42.16	64.46	N39°32'43"E	80°16'28"
C93	50.00	6.24	4.13	6.23	N64°24'12"E	9°26'32"
C94	250.00	36.76	18.41	36.73	S84°54'42"W	8°25'31"
C95	250.00	40.61	20.35	40.56	N85°21'08"E	9°18'24"

LINE	LENGTH	BEARING
L1	35.73	N89°59'39"W
L2	67.77	S00°35'30"E
L3	90.01	N00°35'30"W
L4	52.00	N89°24'30"E
L5	8.83	N00°35'30"W
L6	50.09	S03°26'40"E
L7	77.23	N89°58'30"E
L8	77.27	S00°35'30"E
L9	50.09	N07°09'36"W
L10	8.88	S89°58'09"E
L11	6.40	S89°58'09"E
L12	5.40	N89°58'09"E
L13	2.53	S89°58'09"W
L14	2.85	N89°59'39"W
L15	1.71	N89°59'39"W
L16	83.17	S89°59'39"E
L17	83.14	S89°59'39"E
L18	83.31	S89°59'39"E
L19	83.30	N89°58'09"E
L20	83.31	N89°58'09"E
L21	80.66	N89°58'09"E
L22	66.42	N89°58'09"E
L23	93.66	N89°58'09"E
L24	58.07	S08°29'53"E
L25	68.31	S00°35'30"E
L26	45.52	S00°35'30"E

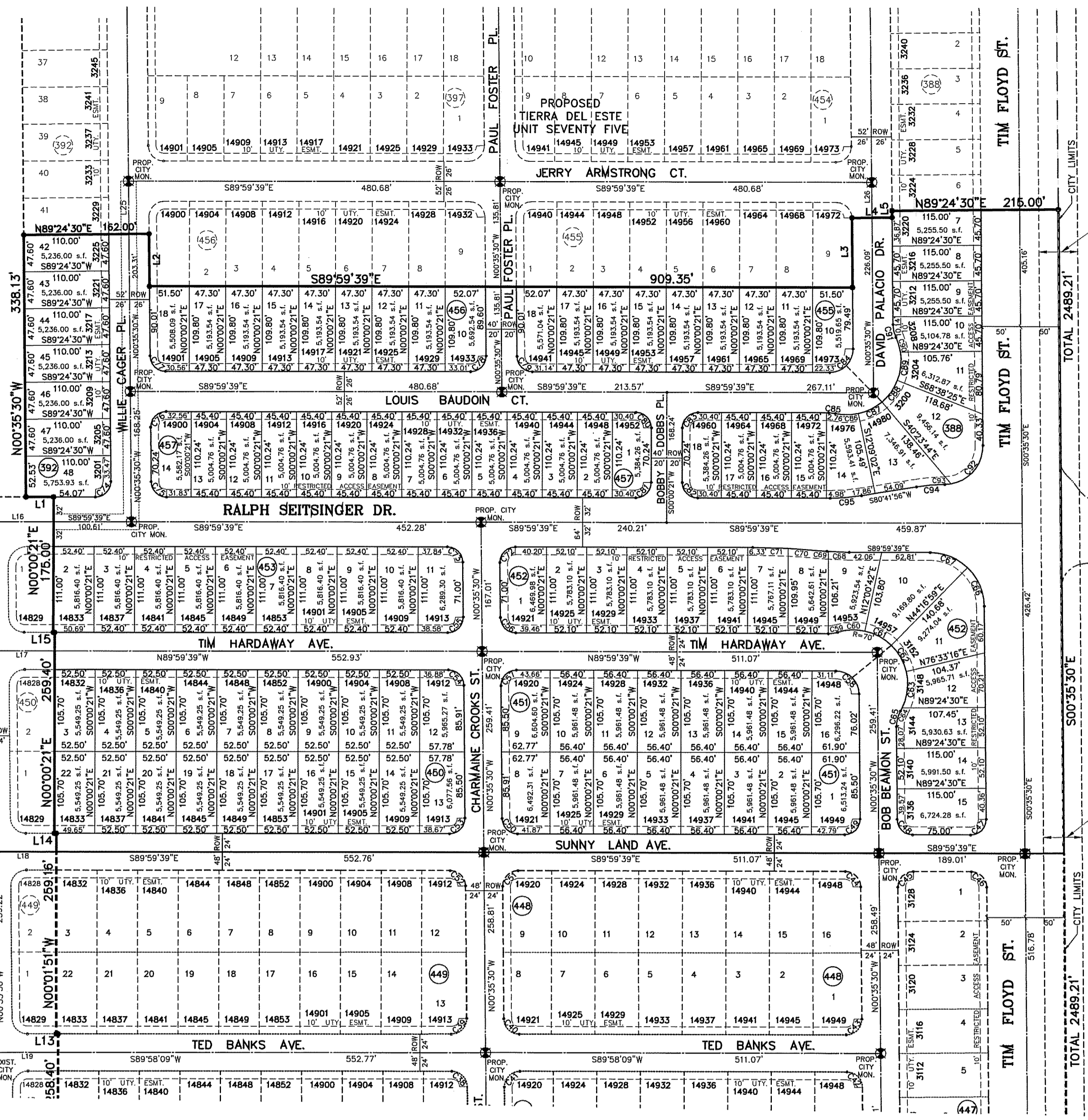
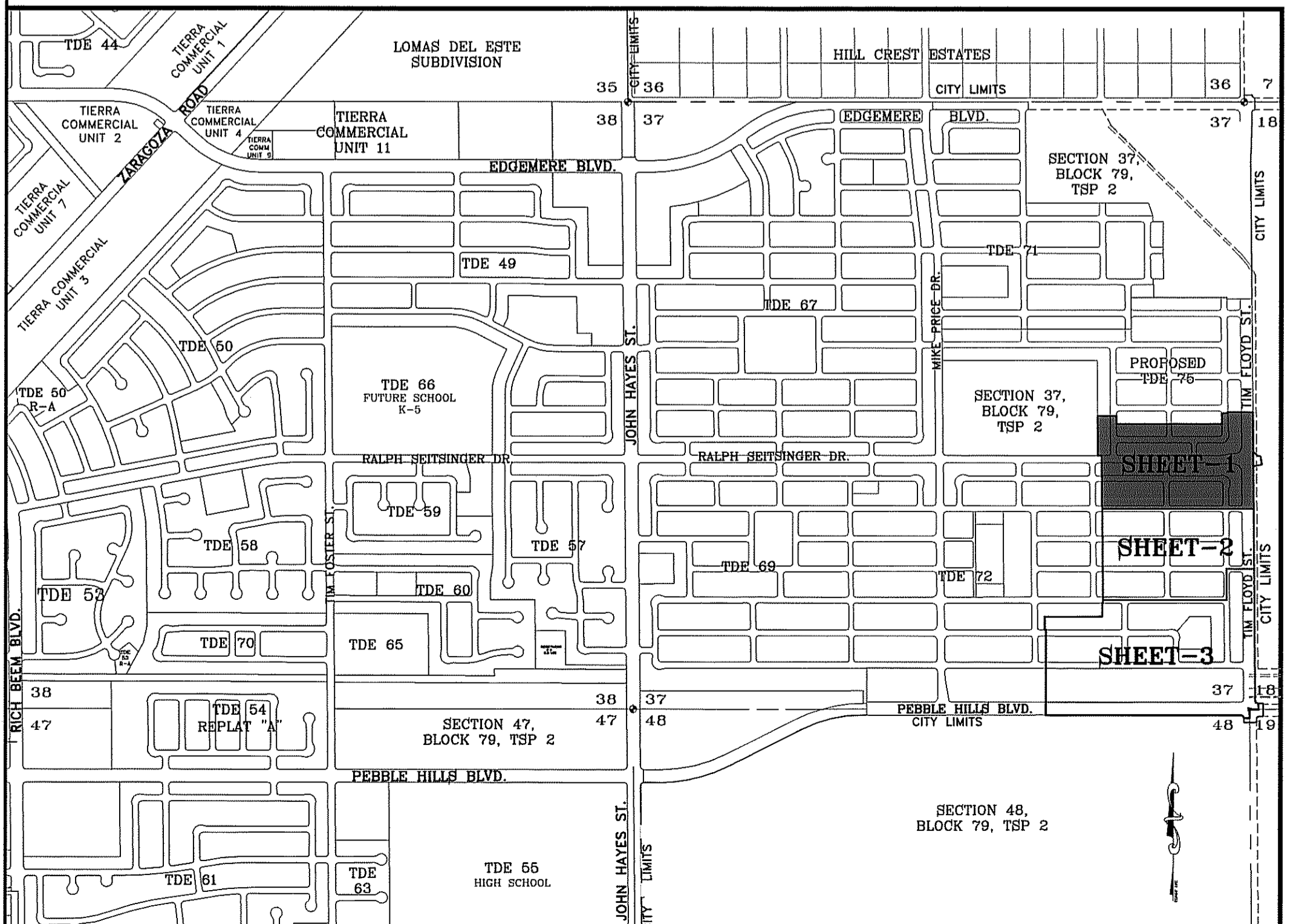
SECTION 37, BLOCK 79, TOWNSHIP 2, TEXAS & PACIFIC RAILWAY SURVEYS
DOC. NO. 2004001659

TIERRA DEL ESTE UNIT SEVENTY TWO
FILE NO. 2010010405

TIM HARDWAY AVE.
SUNNY LAND AVE.

SUNNY LAND AVE.
TED BANKS AVE.

LOCATION MAP SCALE: 1"=1000'



NOTES:
WATER AND SEWER SERVICES WILL BE EXTENDED TO THIS SUBDIVISION (TIERRA DEL ESTE UNIT 76) FROM EXISTING EL PASO WATER UTILITIES/PUBLIC SERVICE BOARD FACILITIES AND WILL BE CONSTRUCTED AND OPERABLE AS OF
THE INSTRUMENT ASSURING THE CERTIFICATION THAT WATER AND SEWER SERVICES FACILITIES DESCRIBED BY THIS PLAT ARE IN COMPLIANCE WITH THE MODEL RULES ADOPTED UNDER SECTION 16.343, TEXAS WATER CODE IS FILED IN THE OFFICE OF THE COUNTY CLERK, DEED AND RECORD SECTION.
INSTRUMENT NO. _____ DATE _____
TAX CERTIFICATE FOR THIS SUBDIVISION ARE FILED IN THE OFFICE OF THE COUNTY CLERK, DEED AND RECORD SECTION.
INSTRUMENT NO. 20160053589-91 DATE 8-1-16
VEHICULAR ACCESS TO THOSE RESIDENTIAL LOTS ABUTTING TIM FLOYD ST. AND RALPH SEITZINGER DR. 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. _____ DATE _____
RESTRICTIVE COVENANTS FOR THIS SUBDIVISION ARE FILED IN THE OFFICE OF THE COUNTY CLERK, DEED AND RECORD SECTION.
INSTRUMENT NO. 20160053582 DATE 8-1-16
LOT CORNERS BEING 1/2" REBAR WITH CAP MARKED TX 5152 WILL BE SET UP ON COMPLETION OF CONSTRUCTION OF ROADWAYS AND UTILITIES.
"U.S. POSTAL SERVICE DELIVERY WILL BE PROVIDED THROUGH NEIGHBORHOOD DELIVERY AND COLLECTION BOX UNITS".
ACCORDING TO THE FEDERAL EMERGENCY MANAGEMENT AGENCY FLOOD INSURANCE RATE MAP COMMUNITY PANEL NO. 4802120175B, DATED SEPTEMBER 4, 1991 THIS PROPERTY IS IN FLOOD HAZARD ZONE X OUTSIDE THE 500 YEAR FLOOD-PLAIN.
SINGLE FAMILY AND TWO FAMILY RESIDENTIAL STREETS OF LESS THAN 640 FEET IN LENGTH MAY USE THE SHARPER WIDTH WHEN THE FACING LOTS ARE 50 FEET OR WIDER WITH TWO CAR DRIVEWAYS 18 FEET IN WIDTH OR WITH REAR ENTRY FROM ALLEYS. LANES MAY BE USED WHERE THE STREET LENGTH IS LESS THAN 640 FEET AND THE LOTS ARE GREATER THAN 20,000 SQUARE FEET WITH 50 FOOT SETBACKS AND DRIVEWAYS ARE 20 FEET IN WIDTH.
STREET CLASSIFICATION: 40' R.O.W. = 20' RESIDENTIAL LANE NO PARKING
48' R.O.W. = 20' LOCAL RESIDENTIAL 3
52' R.O.W. = 32' LOCAL RESIDENTIAL 3
64' R.O.W. = NON-RESIDENTIAL 4 LANE COLLECTOR
100' R.O.W. & 122' R.O.W. = MAJOR ARTERIAL STREET.

DEDICATION
RANCHOS REAL XV, L.L.C., property owner of this land hereby present this plat and dedicate to the use of the public, the streets, drives, ponds, parks, drainage R.O.W., drainage easement, restricted access easements, and utility easements as hereon laid down and designated, including easements for overhead power lines for pole type utilities, and 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 our signature this 26th day of May, 2016.
BY: RANCHOS REAL XV, L.L.C.
Douglas A. Schwartz, MANAGER

ATTEST: NOT REQUIRED
ACKNOWLEDGEMENT
STATE OF TEXAS
COUNTY OF EL PASO
Before me, the undersigned authority, on this day personally appeared Douglas A. Schwartz, Manager of RANCHOS REAL XV, L.L.C., ON BEHALF OF SAID LIMITED LIABILITY COMPANY, 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 of said company for the purpose and considerations herein expressed.
Given under my hand and seal of office this 26th day of May, 2016.
Notary Public in and for El Paso County My Commission Expires 01-31-2018

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 31 day of May, 2016.
Executive Secretary Chairperson
Approved for filing this 14 day of July, 2016.
Planning and Inspections Director

FILING
Filed and recorded in the office of the County Clerk of El Paso County, Texas, this 1st day of August, 2016, A.D. in File No. 20160053586
FOR RECORDING PURPOSES ONLY
Yvonne Conde Curry, P.E.
Registered Professional Land Surveyor
Texas License No. 5152
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 and Technical Standards.
Ron R. Conde, Registered Professional Land Surveyor Texas License No. 5152

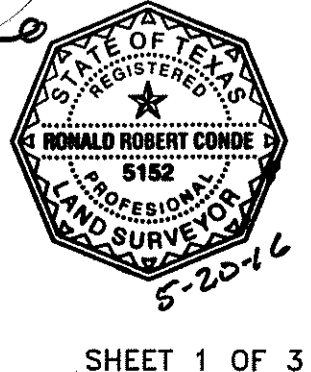
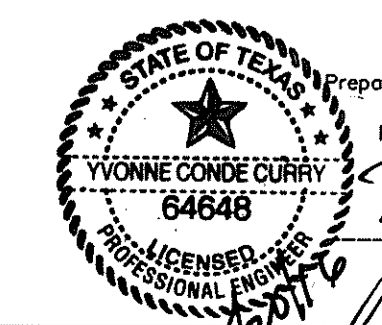
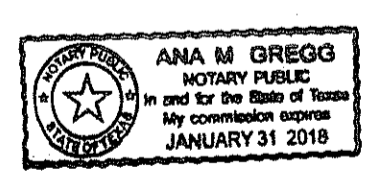
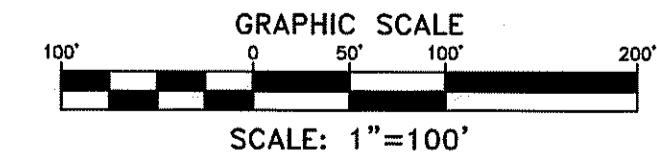
TIERRA DEL ESTE UNIT 76 Notes:
Tierra Del Este Subdivision Unit 76 is subject to the Annexation Agreement entered into by Ranchos Real IV LTD with the City of El Paso on January 31, 2006. Among other conditions the agreement required the following:
Item #11 Owner agree to pay a water and wastewater connection fee to the El Paso Water Utilities Department of the City for each three quarter inch (3/4") equivalent water meter that is connected to the public water system as shown below. The water and wastewater connection fee shall be increased by three (3) percent on March 1, 2006, and each year thereafter. Payment of the water and wastewater connection fee shall be due at the time of application for water and wastewater to the system.

Meter Size	Water (\$)	Wastewater (\$)
5/8" x 3/4"	566	328
1"	1,396	809
1 1/2"	2,830	1,640
2"	4,528	2,624
3"	9,056	5,248
4"	14,150	8,200
6"	28,300	16,400
8"	52,627	30,613
10"	75,467	43,733

DATE OF PREPARATION: DECEMBER 20, 2011
CONDE INC.
ENGINEERING / PLANNING
CITY / SURVEYING / CAD
6080 SURETY DR. STE 100
EL PASO, TEXAS 79905
PHONE: (915) 592-0209
FAX: (915) 592-0206

SCHOOL DISTRICT
SOCORRO INDEPENDENT SCHOOL DISTRICT
12440 ROJAS DRIVE

TOTAL RESIDENTIAL LOTS
315



TIERRA DEL ESTE UNIT SEVENTY SIX

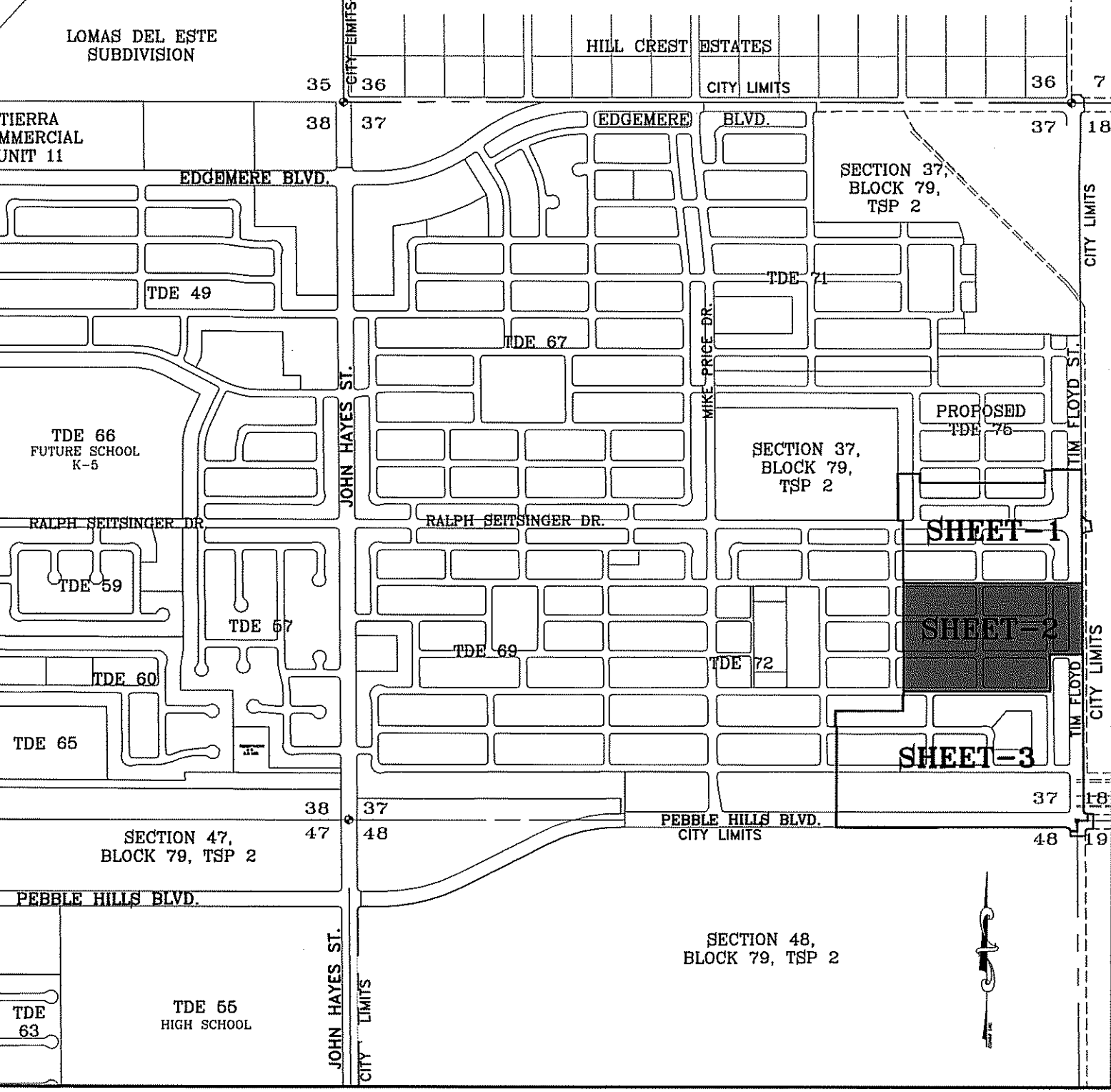
BEING PORTION OF SECTION 18, BLOCK 78, AND PORTION OF SECTIONS 37 AND 48, BLOCK 79, TOWNSHIP 2, TEXAS AND PACIFIC RAILWAY Co. SURVEYS, CITY OF EL PASO, EL PASO COUNTY, TEXAS CONTAINING: 86.09± ACRES

NOTES:
 LOT CORNERS BEING 1/2" REBAR WITH CAP MARKED TX 5152 WILL BE SET UP ON COMPLETION OF CONSTRUCTION OF ROADWAYS AND UTILITIES.
 "U.S. POSTAL SERVICE DELIVERY WILL BE PROVIDED THROUGH NEIGHBORHOOD DELIVERY AND COLLECTION BOX UNITS".
 ACCORDING TO THE FEDERAL EMERGENCY MANAGEMENT AGENCY FLOOD INSURANCE RATE MAP COMMUNITY PANEL # 480212 0175 B, DATED SEPTEMBER 4, 1991 THIS PROPERTY IS IN FLOOD HAZARD ZONE X OUTSIDE THE 500 YEAR FLOOD PLAIN.
 SINGLE FAMILY AND TWO FAMILY RESIDENTIAL STREETS OF LESS THAN 640 FEET IN LENGTH MAY USE THE SMALLER WIDTH WHEN THE FACING LOTS ARE 50 FEET OR WIDER WITH TWO CAR DRIVEWAYS 16 FEET IN WIDTH OR WITH REAR ENTRY FROM ALLEYS. LANES MAY BE USED WHERE THE STREET LENGTH IS LESS THAN 400' AND THE LOTS ARE GREATER THAN 20,000 SQUARE FEET WITH 50 FOOT SETBACKS AND DRIVEWAYS ARE 20 FEET IN WIDTH.
 STREET CLASSIFICATION: 40' R.O.W. = 20' RESIDENTIAL LANE NO PARKING
 48' R.O.W. = 20' LOCAL RESIDENTIAL 2
 52' R.O.W. = 30' LOCAL RESIDENTIAL 3
 64' R.O.W. = NON-RESIDENTIAL 4 LANE COLLECTOR
 100' R.O.W. & 122' R.O.W. = MAJOR ARTERIAL STREET.

LINE	LENGTH	BEARING
L1	35.73	N89°58'39"W
L2	67.77	S00°35'30"E
L3	90.01	N00°35'30"W
L4	52.00	N89°24'30"E
L5	8.83	N00°35'30"W
L6	50.09	S03°26'40"E
L7	77.23	N89°58'30"W
L8	77.27	S00°35'30"E
L9	50.09	N89°58'36"W
L10	8.88	S89°58'09"W
L11	6.40	N89°58'09"E
L12	2.54	S89°58'09"W
L13	2.53	S89°58'09"W
L14	27.85	N89°58'39"W
L15	1.71	N89°58'39"E
L16	83.17	S89°58'39"E
L17	83.14	S89°58'39"E
L18	83.30	S89°58'39"E
L19	83.31	N89°58'09"E
L20	80.66	N89°58'09"E
L21	96.42	N89°58'09"E
L22	93.66	N89°58'09"E
L23	93.66	S08°29'53"E
L24	58.31	S00°35'30"E
L25	68.31	S00°35'30"E
L26	45.52	S00°35'30"E

CURVE	RADIUS	LENGTH	TANGENT	CHORD	BEARING	DELTA
C13	70.00	28.72	14.56	28.52	S80°26'31"W	23°30'20"
C14	40.00	14.86	7.51	14.77	N79°19'45"E	21°16'48"
C15	30.00	47.12	30.00	42.43	N45°01'51"W	90°00'00"
C16	20.00	31.42	20.00	28.28	S45°01'51"E	90°00'00"
C17	20.00	31.42	20.00	28.28	S45°01'51"E	90°00'00"
C18	20.00	31.42	20.00	28.28	S45°01'51"E	90°00'00"
C19	20.00	31.42	20.00	28.28	N44°58'09"E	90°00'00"
C20	20.00	31.42	20.00	28.28	N45°01'51"W	90°00'00"
C21	20.00	31.42	20.00	28.28	N44°58'09"E	90°00'00"
C22	20.00	31.42	20.00	28.28	N45°01'51"W	90°00'00"
C23	20.00	31.42	20.00	28.28	S44°58'09"W	90°00'00"
C24	20.00	31.61	20.20	28.42	N44°41'20"E	90°33'38"
C25	20.00	31.22	19.81	28.15	S45°18'40"E	89°26'22"
C26	20.00	31.22	19.81	28.15	N45°18'40"W	89°26'22"
C27	20.00	31.61	20.20	28.42	N44°41'20"E	90°33'38"
C28	20.00	31.22	19.81	28.15	N45°18'40"W	89°26'22"
C29	20.00	31.61	20.20	28.42	S44°41'20"W	90°33'38"
C30	20.00	31.22	19.81	28.15	N45°18'40"W	89°26'22"
C31	20.00	31.61	20.20	28.42	N44°41'20"E	90°33'38"
C32	20.00	31.22	19.81	28.15	S45°18'40"E	89°26'22"
C33	20.00	31.61	20.20	28.42	N44°41'20"E	90°33'38"
C34	20.00	31.22	19.81	28.15	S45°18'40"E	89°26'22"
C35	20.00	31.61	20.20	28.42	S44°41'20"W	90°33'38"
C36	20.00	31.22	19.81	28.15	N45°18'40"W	89°26'22"
C37	20.00	31.61	20.20	28.42	N44°41'20"E	90°33'38"
C38	20.00	31.22	19.81	28.15	N45°18'40"W	89°26'22"
C39	20.00	31.61	20.20	28.42	N44°41'20"E	90°33'38"
C40	20.00	31.22	19.81	28.15	S45°18'40"E	89°26'22"
C41	20.00	31.61	20.20	28.42	S44°41'20"W	90°33'38"
C42	20.00	31.22	19.81	28.15	N45°18'40"W	89°26'22"
C43	20.00	31.61	20.20	28.42	N44°41'20"E	90°33'38"
C44	20.00	31.21	19.79	28.14	N45°17'35"W	89°24'10"
C45	20.00	31.62	20.21	28.43	S44°42'25"W	90°35'50"
C46	20.00	31.21	19.79	28.14	N45°17'35"W	89°24'10"
C47	20.00	31.62	20.21	28.43	N44°42'25"E	90°35'50"
C48	20.00	31.21	19.79	28.14	S45°17'35"E	89°24'10"
C49	20.00	31.62	20.21	28.43	N44°42'25"E	90°35'50"
C50	20.00	31.21	19.79	28.14	S45°17'35"E	89°24'10"
C51	20.00	31.62	20.21	28.43	S44°42'25"W	90°35'50"
C52	20.00	31.21	19.79	28.14	N45°17'35"W	89°24'10"
C53	20.00	31.62	20.21	28.43	N44°42'25"E	90°35'50"
C54	20.00	31.21	19.79	28.14	N45°17'35"W	89°24'10"
C55	20.00	31.62	20.21	28.43	N44°42'25"E	90°35'50"
C56	20.00	31.21	19.79	28.14	S45°17'35"E	89°24'10"
C57	20.00	31.62	20.21	28.43	S44°42'25"W	90°35'50"
C58	20.00	46.81	29.69	42.20	N45°17'35"W	89°24'10"
C59	40.00	12.11	6.10	12.06	N81°20'06"E	17°20'29"
C60	70.00	35.85	18.33	35.86	S87°20'17"W	29°20'51"
C61	70.00	39.43	20.25	39.91	N61°51'10"W	32°16'17"
C62	70.00	39.43	20.25	39.91	N29°34'53"W	32°16'17"
C63	70.00	48.29	25.15	47.33	N08°18'57"E	39°31'21"
C64	70.00	4.40	2.20	4.40	N27°52'45"E	3°36'15"
C65	40.00	21.13	10.82	20.89	S14°32'41"W	30°16'22"
C66	70.00	66.17	29.70	54.68	N23°34'49"W	45°58'40"

LOCATION MAP SCALE: 1" = 1000'



Tierra Del Este Unit 76 Notes:
 Tierra Del Este Subdivision Unit 76 is subject to the Annexation Agreement entered into by Ranchos Road IV LTD with the City of El Paso on January 31, 2006. Among other conditions the agreement required the following:
 Item #11 Owner agrees to pay a water and wastewater connection fee to the El Paso Water Utilities Department of the City for each three quarter inch (3/4") equivalent water meter that is connected to the public water system as shown below. The water and wastewater connection fee shall be increased by three (3) percent on March 1, 2006, and each year thereafter. Payment of the water and wastewater connection fee shall be due at the time of application for water and wastewater to the system.

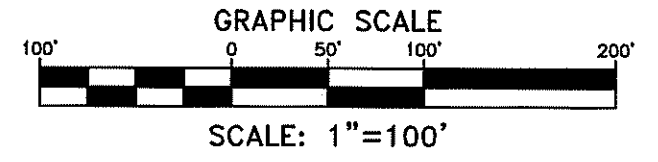
Meter Size	Water (\$)	Wastewater (\$)
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10"	75,467	43,733

SCHOOL DISTRICT
 SOCORRO INDEPENDENT SCHOOL DISTRICT
 12440 ROJAS DRIVE

TOTAL RESIDENTIAL LOTS
 315

DATE OF PREPARATION: DECEMBER 20, 2011

CONDE INC.
 ENGINEERING / PLANNING
 OFFICE / SURVEYING / CAD
 6080 SURETY DR. STE 100
 EL PASO, TEXAS 79905
 PHONE: (915) 562-0283
 FAX: (915) 562-0288



ATTEST: NOT REQUIRED

ACKNOWLEDGEMENT

STATE OF TEXAS
 COUNTY OF EL PASO

Before me, the undersigned authority, on this day personally appeared Douglas A. Schwartz, Manager of RANCHOS REAL XP, L.L.C., OR BEHALF OF SAID LIMITED LIABILITY COMPANY, 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 of said company for the purpose and considerations therein expressed.

Given under my hand and seal of office this 26th day of 2011.

My Comm. Expires 01-31-2018

Notary Public in and for the State of Texas
 My Commission Expires

