MESQUITE HILLS UNIT 2

BEING A PORTION OF TRACT 6, SECTION 16, PORTION OF TRACTS 1D AND 1E, SECTION 17, AND PORTION OF TRACTS 1A, 2, AND 3A, SECTION 21, BLOCK 80, TSP 1, TEXAS AND PACIFIC RAILROAD Co. SURVEYS, AND PORTION OF MESQUITE HILL DRIVE, MESQUITE HILLS, CITY OF EL PASO, EL PASO COUNTY, TEXAS
CONTAINING: 73.854 ACRES

CURVE TABLE						
CURVE	RADIUS	LENGTH	TANGENT	CHORD	BEARING	DELTA
C1	1392.00	1110.50	586.70	1081.28	S23°50'58"E	45°42'32"
C2	1308.00	1043.48	551.29	1016.03	S23°50'58"E	45°42'32"
C3	1350.00	1076.99	569.00	1048.66	S23°50'58"E	45°42'32"

LINE TABLE		
LINE	LENGTH	BEARING
L1	16.97	N46°42'14"W
L2	84.00	S43°17'46"W

NOTES:

WATER AND SEWER SERVICES WILL BE EXTENDED TO THIS SUBDIVISION (MESQUITE HILLS UNIT 2) FROM EXISTING EL PASO WATER UTILITIES/PUBLIC SERVICE BOARD FACILITIES AND WILL BE CONSTRUCTED AND OPERABLE AS OF SEPTEMBER 2008.

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. N/A DATE 24 JUL 08

TAX CERTIFICATE FOR THIS SUBDIVISION ARE FILED IN THE OFFICE OF THE COUNTY CLERK, DEED AND RECORDS SECTION.
INSTRUMENT No. 20080059766, 20080059767 DATE 24 JUL 08

VEHICULAR ACCESS TO THOSE RESIDENTIAL LOTS ABUTTING MESQUITE HILL DRIVE 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. 20080059765 DATE 24 JUL 08

RESTRICTIVE COVENANTS FOR THIS SUBDIVISION ARE FILED IN THE OFFICE OF THE COUNTY CLERK, DEED AND RECORD SECTION.
INSTRUMENT No. 20080059764 DATE 24 JUL 08

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

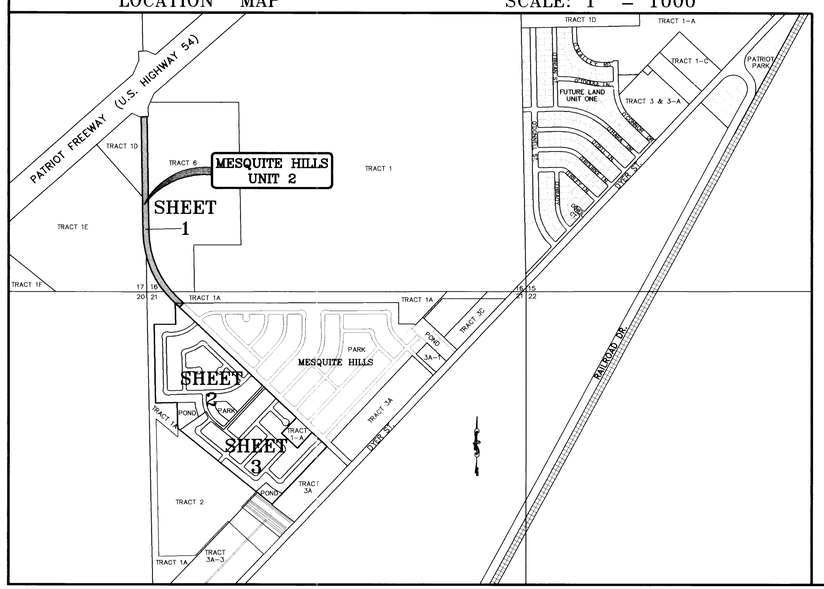
"U.S. POSTAL SERVICE DELIVERY WILL BE PROVIDED THROUGH NEIGHBORHOOD DELIVERY AND COLLECTION BOX UNITS".

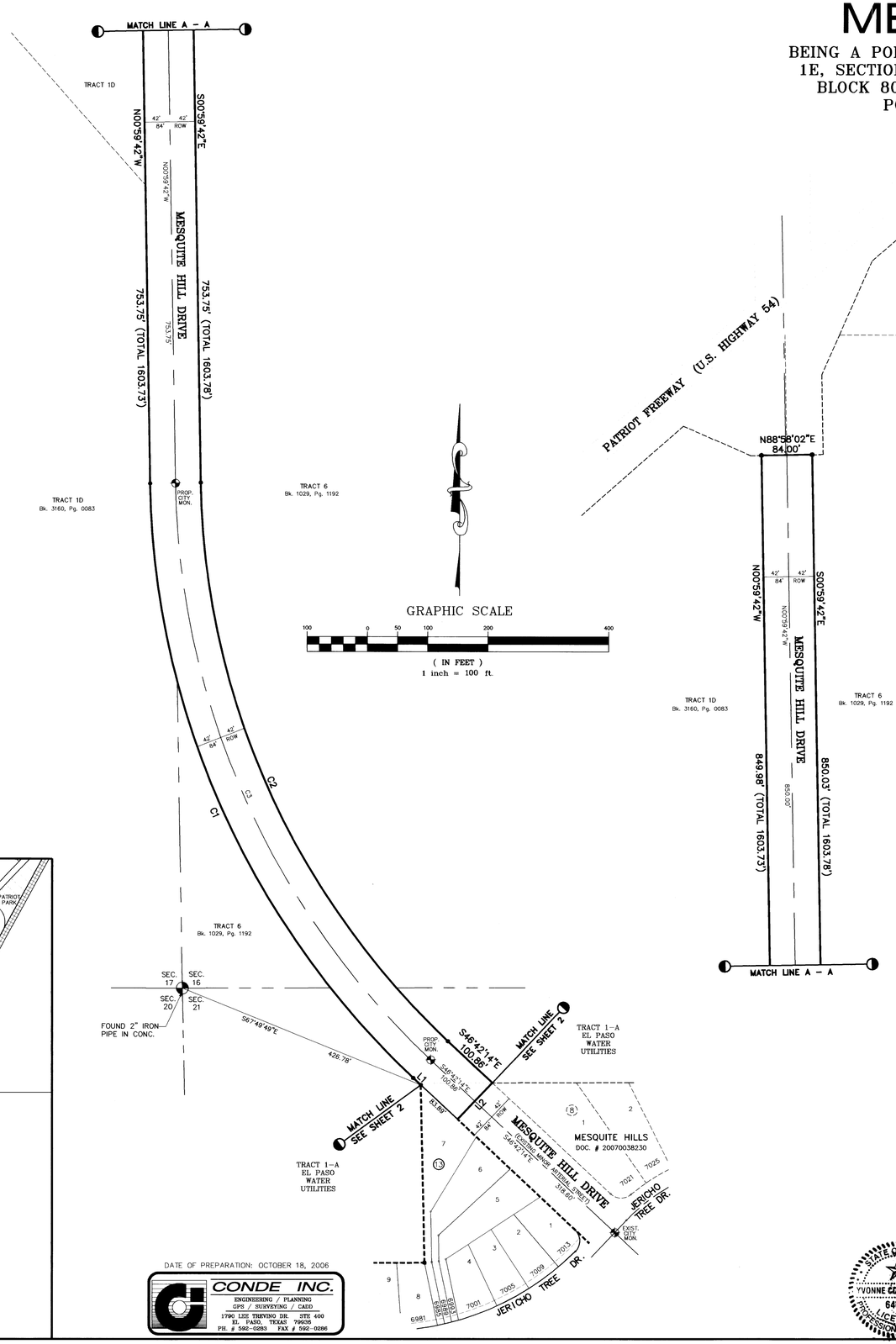
SET 1/2" REBAR WITH CAP MARKED TX 5152 AT ALL EXTERIOR BOUNDARY CORNERS UNLESS OTHERWISE NOTED.

ACCORDING TO THE FEDERAL EMERGENCY MANAGEMENT AGENCY FLOOD INSURANCE RATE MAP COMMUNITY PANEL NO. 480214 0001-0052, CITY OF EL PASO, TEXAS MAP INDEX, SUBJECT AREA LIES BETWEEN TWO FLOOD PANELS:
PANEL NO 480214C0108*, (*PANEL NOT PRINTED: AREA IN ZONE C)
PANEL NO 480214-0015D, DATED JANUARY 3, 1997, PROPERTY IS IN FLOOD HAZARD ZONE C "AREAS OF MINIMAL FLOODING".

BEARINGS BASED ON CENTERLINE MONUMENTATION ON MESQUITE HILLS DRIVE AS SHOWN ON PLAT OF MESQUITE HILLS RECORDED IN CLERKS FILE NO. 20070038230, REAL PROPERTY RECORDS OF EL PASO COUNTY TEXAS.

LOCATION MAP SCALE: 1" = 1000'





DEDICATION

NEWMAN RANCH PARTNERS, L.P. and EL PASO WATER UTILITIES PUBLIC SERVICE BOARD, property owners of this land hereby present this plat and dedicate to the use of the public, the streets, drives, park, ponds, drainage R.O.W., drainage easements and utility easements as hereon laid down and designated, including easements for overhang 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.
Witness our signature this 3rd day of June, 2008.

NEWMAN RANCH PARTNERS, L.P.
BY: NEWMAN RANCH PARTNERS, L.L.C.
ITS GENERAL PARTNER

By: _____
Douglas A. Schwartz, MANAGER

BY: EL PASO WATER UTILITIES
PUBLIC SERVICE BOARD

By: _____

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 NEWMAN RANCH PARTNERS L. L. C., GENERAL PARTNER OF NEWMAN RANCH PARTNERS, L.P., 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 partnership for the purpose and considerations herein expressed.
Given under my hand and seal of office this 3rd day of June, 2008.

Susan McMillan
Notary Public in and for El Paso County

3-16-09
My Commission Expires

SUSAN McMILLAN
NOTARY PUBLIC
My commission expires
MARCH 16, 2009

ACKNOWLEDGEMENT

STATE OF TEXAS
COUNTY OF EL PASO

Before me, the undersigned authority, on this day personally appeared Edmundo Barrueta for EL PASO WATER UTILITIES PUBLIC SERVICE BOARD, 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 Board for the purpose and considerations herein expressed.
Given under my hand and seal of office this 3rd day of June, 2008.

Alma R. DeAnda
Notary Public in and for El Paso County

Sept. 16, 2008
My Commission Expires

ALMA R. DEANDA
NOTARY PUBLIC
STATE OF TEXAS
My Comm. Exp. Sept. 16, 2008

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 11th day of July, 2007.

Secretary

Chairperson

Approved for filing this 11th day of July, 2008.

Development Services Director

FILING

Filed and recorded in the office of the County Clerk of El Paso County, Texas, this 24 day of July, 2008, A.D. in File No. 20080059763

County Clerk

By Deputy

Prepared by and under the supervision of:
YVONNE CONDE CURRY, P.E.
Registered Professional Engineer
Registration No. 64648

STATE OF TEXAS
YVONNE CONDE CURRY
64648
LICENSED
PROFESSIONAL ENGINEER
7-31-08

Yvonne Conde Curry, P.E.

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

Ron R. Conde,
Registered Professional Land Surveyor
Texas License No. 5152

STATE OF TEXAS
RON R. CONDE
5152
REGISTERED
PROFESSIONAL
LAND SURVEYOR
6-2-08

Sheet: 1 OF 3

269-M

MESQUITE HILLS UNIT 2

BEING A PORTION OF TRACT 6, SECTION 16, PORTION OF TRACTS 1D AND 1E, SECTION 17, AND PORTION OF TRACTS 1A, 2, AND 3A, SECTION 21, BLOCK 80, TSP 1, TEXAS AND PACIFIC RAILROAD Co. SURVEYS, AND PORTION OF MESQUITE HILL DRIVE, MESQUITE HILLS, CITY OF EL PASO, EL PASO COUNTY, TEXAS
CONTAINING: 73.854 ACRES

CURVE TABLE

CURVE	RADIUS	LENGTH	TANGENT	CHORD	BEARING	DELTA
C1	475.00	386.05	204.40	375.51	N66°34'45"E	46°33'58"
C2	715.00	300.92	152.72	298.70	N64°09'21"E	24°06'49"
C3	500.00	12.43	6.22	12.43	N43°58'00"E	1°25'29"
C4	500.00	384.98	202.60	375.54	N66°44'13"E	44°06'57"
C5	400.00	275.36	143.39	269.96	S20°55'31"E	39°26'34"
C6	400.00	72.63	36.42	72.53	S45°50'55"E	10°24'14"
C7	20.00	29.91	18.55	27.20	N86°06'07"E	85°41'43"
C8	374.00	33.16	16.59	33.15	S48°30'38"E	5°04'49"
C9	374.00	66.42	33.30	66.33	S40°52'58"E	10°10'31"
C10	374.00	66.42	33.30	66.33	S30°42'27"E	10°10'31"
C11	374.00	66.42	33.30	66.33	S20°31'56"E	10°10'31"
C12	374.00	66.42	33.30	66.33	S10°21'25"E	10°10'31"
C13	374.00	26.54	13.27	26.53	S03°14'12"E	4°03'55"
C14	426.00	43.97	22.00	43.95	S20°49'35"E	5°54'48"
C15	426.00	62.09	31.10	62.04	S13°41'39"E	8°21'04"
C16	426.00	47.76	23.90	47.73	S06°18'26"E	6°25'24"
C17	426.00	14.06	7.03	14.06	S02°08'59"E	1°53'30"
C18	20.00	31.42	20.00	28.28	S43°47'44"W	89°59'56"
C19	20.00	31.42	20.00	28.28	N46°12'16"W	90°00'04"
C20	20.00	31.42	20.00	28.29	S46°12'05"E	90°00'27"
C21	20.00	31.42	20.00	28.28	S43°48'09"W	90°00'00"
C22	20.00	21.44	11.88	20.42	N60°29'37"W	61°24'28"
C23	50.00	34.26	17.83	33.59	S49°25'02"E	39°15'19"
C24	50.00	42.29	22.50	41.04	N86°43'22"E	48°27'53"
C25	50.00	35.71	18.66	34.96	N42°01'40"E	40°55'32"
C26	50.00	35.80	18.70	35.04	N01°03'20"E	41°01'08"
C27	50.00	35.71	18.66	34.96	N39°55'01"W	40°55'32"
C28	50.00	40.41	21.38	39.32	N83°31'51"W	46°18'08"
C29	50.00	15.56	7.84	15.49	S64°24'20"W	17°49'31"
C30	20.00	11.63	5.98	11.46	N72°08'52"E	33°18'35"
C31	20.00	31.42	20.00	28.28	S46°11'51"E	90°00'00"
C32	20.00	31.41	20.00	28.28	N43°47'55"E	89°59'33"
C33	30.00	47.13	30.00	42.43	S46°12'05"E	90°00'27"
C34	40.00	16.29	8.26	16.18	S77°07'33"W	23°20'18"
C35	70.00	27.76	14.06	27.57	N76°48'57"E	22°43'07"
C36	70.00	38.48	19.74	37.99	S76°04'42"E	31°29'35"
C37	70.00	38.29	19.64	37.82	S44°39'38"E	31°20'32"
C38	70.00	39.69	20.40	39.16	S12°44'42"E	32°29'20"
C39	70.00	21.12	10.64	21.04	S12°08'39"W	17°17'22"
C40	40.00	15.35	7.77	15.26	N09°47'45"E	21°59'11"
C41	40.00	13.79	6.96	13.72	N11°04'16"W	19°44'50"
C42	40.00	1.56	0.78	1.56	N22°03'52"W	2°14'21"
C43	70.00	44.22	22.88	43.49	S05°05'07"E	36°11'50"
C44	70.00	38.26	19.62	37.79	S28°40'22"W	31°19'09"
C45	70.00	38.34	19.66	37.86	S60°01'17"W	31°22'41"
C46	70.00	45.80	23.76	44.99	N85°32'40"W	37°29'25"
C47	40.00	16.29	8.26	16.18	S78°28'07"E	23°20'18"
C48	449.00	29.87	14.94	29.86	N87°57'24"E	3°48'40"
C49	449.00	60.60	30.34	60.55	N82°11'05"E	7°43'57"
C50	449.00	12.00	6.00	12.00	N77°33'10"E	1°31'53"
C51	449.00	12.01	6.01	12.01	N76°01'15"E	1°31'57"
C52	449.00	12.03	6.01	12.03	N74°29'13"E	1°32'05"
C53	449.00	67.89	34.01	67.83	N69°23'16"E	8°39'49"
C54	449.00	60.76	30.43	60.71	N61°10'45"E	7°45'13"
C55	449.00	60.76	30.43	60.71	N53°25'32"E	7°45'13"
C56	449.00	38.22	19.12	38.21	N47°06'37"E	4°52'38"
C57	25.00	39.87	25.61	35.78	N01°00'58"W	91°22'31"
C58	25.00	38.79	24.52	35.01	S88°51'02"W	88°53'29"
C59	501.00	34.00	17.01	33.99	N46°20'56"E	3°53'17"
C60	501.00	51.93	25.99	51.90	N51°15'44"E	5°56'19"

CURVE TABLE

CURVE	RADIUS	LENGTH	TANGENT	CHORD	BEARING	DELTA
C61	501.00	51.93	25.99	51.90	N57°12'03"E	5°56'19"
C62	501.00	51.93	25.99	51.90	N63°08'21"E	5°56'19"
C63	501.00	51.93	25.99	51.90	N69°04'40"E	5°56'19"
C64	501.00	51.93	25.99	51.90	N75°00'58"E	5°56'19"
C65	501.00	51.93	25.99	51.90	N80°57'17"E	5°56'19"
C66	501.00	51.93	25.99	51.90	N86°53'35"E	5°56'19"
C67	30.00	47.68	30.56	42.82	S44°19'57"W	91°03'35"
C68	40.00	15.35	7.77	15.26	N12°11'27"W	21°59'11"
C69	70.00	31.06	15.79	30.80	S10°28'28"E	25°25'08"
C70	70.00	38.36	19.67	37.88	S17°56'03"W	31°23'53"
C71	70.00	38.36	19.67	37.88	S49°19'56"W	31°23'53"
C72	70.00	37.34	19.13	36.90	S80°18'47"W	30°33'49"
C73	40.00	17.59	8.94	17.45	N82°59'55"E	25°11'34"
C74	689.00	55.51	27.77	55.49	N68°05'39"E	4°36'58"
C75	689.00	55.51	27.77	55.49	N63°28'42"E	4°36'58"
C76	689.00	38.39	19.20	38.39	N59°34'26"E	3°11'33"
C77	40.00	17.59	8.94	17.45	N45°22'53"E	25°11'34"
C78	70.00	48.50	25.27	47.54	S52°38'07"W	39°42'02"
C79	70.00	38.44	19.72	37.96	S88°13'08"W	31°27'58"
C80	70.00	39.28	20.17	38.76	N59°58'24"W	32°08'58"
C81	70.00	25.09	12.68	24.95	N33°37'55"W	20°31'59"
C82	40.00	16.29	8.26	16.18	S35°02'05"E	23°20'18"
C83	30.00	38.77	22.63	36.13	S35°49'42"W	74°03'06"
C84	741.00	32.28	16.14	32.28	N71°36'22"E	2°29'46"
C85	741.00	52.58	26.30	52.57	N68°19'30"E	4°03'57"
C86	741.00	52.58	26.30	52.57	N64°15'34"E	4°03'57"
C87	741.00	52.58	26.30	52.57	N60°11'37"E	4°03'57"
C88	741.00	32.01	16.01	32.01	N56°55'23"E	2°28'31"
C89	30.00	40.64	24.13	37.60	N85°30'33"W	77°36'39"
C90	20.00	31.42	20.00	28.28	N01°42'14"W	90°00'00"
C91	20.00	17.08	9.10	16.56	N67°45'18"E	48°55'04"
C92	50.00	51.50	28.30	49.26	S62°42'16"W	59°01'08"
C93	50.00	34.76	18.11	34.06	S13°16'49"W	39°49'47"
C94	50.00	34.76	18.11	34.06	S26°32'58"E	39°49'47"
C95	50.00	34.76	18.11	34.06	S66°22'45"E	39°49'47"
C96	50.00	34.99	18.25	34.28	N73°39'27"E	40°05'50"
C97	50.00	51.69	28.42	49.42	N23°59'37"E	59°13'49"
C98	20.00	17.08	9.10	16.56	S18°50'15"W	48°55'04"
C99	20.00	31.42	20.00	28.28	S88°17'46"W	90°00'00"
C100	20.00	33.98	22.74	30.04	N01°58'13"E	97°20'54"
C101	474.00	52.23	26.14	52.20	N53°48'04"E	6°18'47"
C102	474.00	61.54	30.81	61.49	N60°40'36"E	7°26'18"
C103	474.00	61.54	30.81	61.49	N68°06'54"E	7°26'18"
C104	474.00	61.54	30.81	61.49	N75°33'12"E	7°26'18"
C105	474.00	61.54	30.81	61.49	N82°59'31"E	7°26'18"
C106	474.00	17.24	8.62	17.24	N87°45'11"E	2°05'02"
C107	526.00	34.21	17.11	34.21	N86°55'54"E	3°43'36"
C108	526.00	49.61	24.83	49.60	N82°21'58"E	5°24'16"
C109	526.00	49.61	24.83	49.60	N76°57'43"E	5°24'16"
C110	526.00	49.61	24.83	49.60	N71°33'27"E	5°24'16"
C111	526.00	49.61	24.83	49.60	N66°09'11"E	5°24'16"
C112	526.00	49.61	24.83	49.60	N60°44'56"E	5°24'16"
C113	526.00	49.61	24.83	49.60	N55°20'40"E	5°24'16"
C114	526.00	49.61	24.83	49.60	N49°56'24"E	5°24'16"
C115	526.00	36.57	18.29	36.56	N45°14'46"E	3°59'01"
C116	20.00	31.43	20.01	28.29	N88°16'31"E	90°02'31"
C117	25.00	39.25	24.98	35.34	N01°43'29"W	89°57'29"
C118	25.00	39.29	25.02	35.37	S88°16'31"W	90°02'31"
C119	25.00	39.25	24.98	35.34	N01°43'29"W	89°57'29"

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 5152 AT ALL EXTERIOR BOUNDARY CORNERS UNLESS OTHERWISE NOTED.

LINE TABLE

LINE	LENGTH	BEARING
L1	42.00	S43°17'46"W
L2	14.82	S43°17'46"W
L3	90.09	S89°51'44"W
L4	12.50	N01°11'51"W
L5	42.00	N43°15'15"E
L6	42.00	N43°15'15"E
L7	20.00	N88°47'42"E
L8	20.00	N88°47'42"E
L9	58.00	S88°48'09"W
L10	51.12	N46°42'14"W
L11	50.90	N46°42'14"W
L12	50.98	N46°42'14"W
L13	51.02	N46°42'14"W
L14	50.98	N46°42'14"W
L15	42.99	S01°13'02"E
L16	83.82	S01°13'02"E

LOCATION MAP SCALE: 1" = 1000'

DATE OF PREPARATION: OCTOBER 18, 2006

CONDE INC.
ENGINEERING / PLANNING
GPS / SURVEYING / CADD
1790 LEE TREVINO DR. STE 400
EL PASO, TEXAS 79936
PH. # 592-0283 FAX # 592-0286

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 NEWMAN RANCH PARTNERS L. L. C., GENERAL PARTNER OF NEWMAN RANCH PARTNERS, L.P., 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 partnership for the purpose and considerations herein expressed.

Given under my hand and seal of office this 3rd day of June, 2008.

Susan McMillan 3-16-09
Notary Public in and for El Paso County My Commission Expires

SUSAN McMILLAN NOTARY PUBLIC My commission expires MARCH 16, 2009

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 Edmund G. Archuleta for EL PASO WATER UTILITIES PUBLIC SERVICE BOARD, 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 Board for the purpose and considerations herein expressed.

Given under my hand and seal of office this 3rd day of June, 2008.

Alma R. DeAnda Sept. 16, 2008
Notary Public in and for El Paso County My Commission Expires

ALMA R. DEANDA NOTARY in and for the ... My commissio... 09-16-...

Sheet 2 OF 3

269-M

C:\...TA\ci\MESQ-HILLS-2-FN2-OF-3.dwg, Model, 6/2/2008 9:18:14 AM, C.CORTEZ

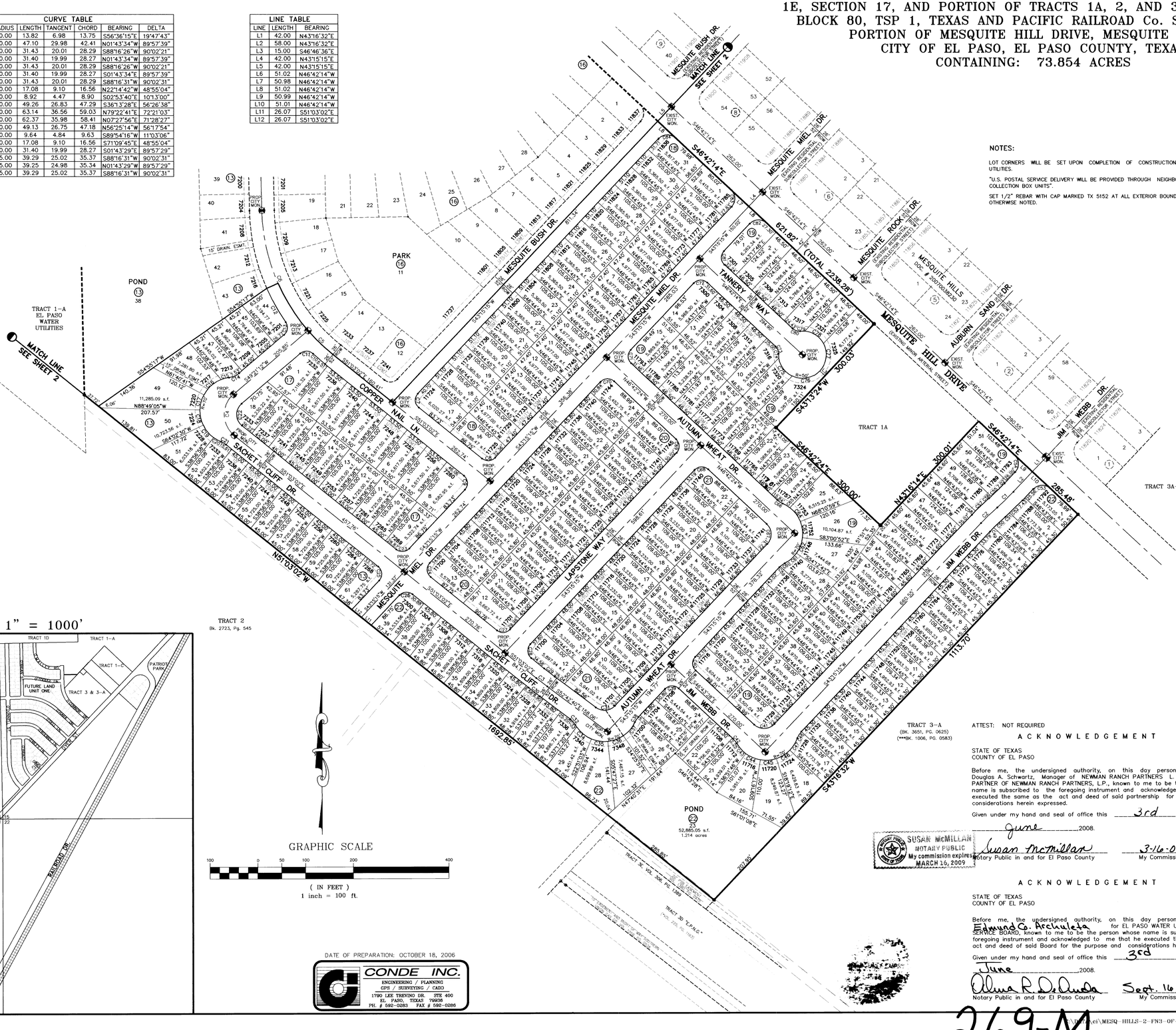
MESQUITE HILLS UNIT 2

BEING A PORTION OF TRACT 6, SECTION 16, PORTION OF TRACTS 1D AND 1E, SECTION 17, AND PORTION OF TRACTS 1A, 2, AND 3A, SECTION 21, BLOCK 80, TSP 1, TEXAS AND PACIFIC RAILROAD Co. SURVEYS, AND PORTION OF MESQUITE HILL DRIVE, MESQUITE HILLS, CITY OF EL PASO, EL PASO COUNTY, TEXAS
CONTAINING: 73.854 ACRES

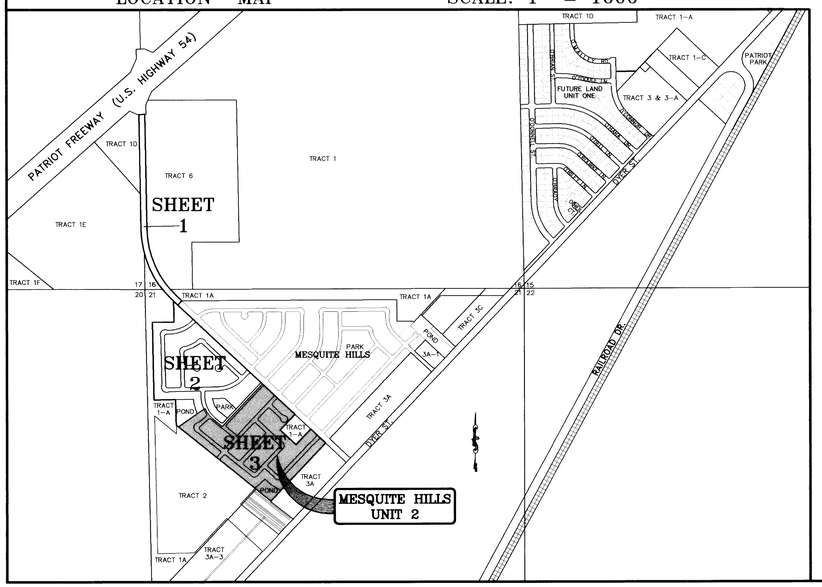
CURVE TABLE						
CURVE	RADIUS	LENGTH	TANGENT	CHORD	BEARING	DELTA
C1	500.00	47.32	23.68	47.31	N45°59'13"E	5°25'22"
C2	500.00	47.51	23.77	47.49	S45°58'35"W	5°26'39"
C3	1000.00	28.98	14.49	28.98	S51°52'51"E	1°39'38"
C4	56.00	98.13	67.22	86.05	S00°50'55"E	100°24'14"
C5	400.00	72.63	36.42	72.53	S45°50'55"E	10°24'14"
C6	400.00	275.36	143.39	269.96	S20°55'31"E	39°26'34"
C7	20.00	32.92	21.56	29.33	S03°53'53"E	94°18'17"
C8	20.00	29.91	18.55	27.20	N86°06'07"E	85°41'43"
C9	20.00	32.92	21.56	29.33	N03°53'53"W	94°18'17"
C10	426.00	33.34	16.68	33.33	S48°48'31"E	4°29'02"
C11	20.00	29.35	18.03	26.79	N88°36'24"W	84°04'48"
C12	426.00	81.37	40.81	81.24	S28°15'18"E	10°56'37"
C13	20.00	29.35	18.03	26.79	N07°18'48"E	84°04'48"
C14	40.00	23.42	12.06	23.09	N66°07'32"E	33°32'41"
C15	70.00	17.22	8.65	17.18	S75°51'04"W	14°05'38"
C16	70.00	49.46	25.81	48.44	S48°33'47"W	40°28'56"
C17	70.00	33.16	16.90	32.85	S14°45'07"W	27°08'24"
C18	70.00	33.16	16.90	32.85	S12°23'18"E	27°08'24"
C19	70.00	34.05	17.37	33.72	S39°53'40"E	27°52'21"
C20	70.00	17.79	8.94	17.74	S61°06'41"E	14°33'40"
C21	40.00	12.11	6.10	12.06	N59°43'17"W	17°20'29"
C22	30.00	52.57	36.01	46.10	S00°50'55"E	100°24'14"
C23	20.00	29.91	18.55	27.20	N86°06'07"E	85°41'43"
C24	20.00	32.92	21.56	29.33	S03°53'53"E	94°18'17"
C25	20.00	32.92	21.56	29.33	N03°53'53"W	94°18'17"
C26	20.00	29.91	18.55	27.20	S86°06'07"W	85°41'43"
C27	20.00	29.91	18.55	27.20	N86°06'07"E	85°41'43"
C28	20.00	32.92	21.56	29.33	S03°53'53"E	94°18'17"
C29	974.00	28.23	14.11	28.23	S51°52'51"E	1°39'38"
C30	1026.00	29.73	14.87	29.73	S51°52'51"E	1°39'38"
C31	30.00	44.00	27.03	40.16	N85°16'18"E	84°02'05"
C32	40.00	16.28	8.25	16.16	N41°03'13"W	23°18'54"
C33	70.00	5.11	2.56	5.11	S31°29'18"E	4°11'03"
C34	70.00	41.01	21.11	40.43	S50°21'53"E	33°34'08"
C35	70.00	34.99	17.87	34.63	S81°28'12"E	28°38'30"
C36	70.00	34.99	17.87	34.63	N69°53'18"E	28°38'30"
C37	70.00	38.13	19.55	37.66	N39°57'38"E	31°12'50"
C38	40.00	13.20	6.66	13.14	S33°48'14"W	18°54'02"
C39	20.00	31.42	20.01	28.29	S88°15'54"W	90°01'17"
C40	20.00	31.41	19.99	28.28	S01°44'06"E	89°58'43"
C41	30.00	47.14	30.01	42.43	N88°15'54"E	90°01'17"
C42	40.00	12.11	6.10	12.06	N38°03'13"W	17°20'29"
C43	70.00	29.02	14.72	28.81	S41°15'36"E	23°45'16"
C44	70.00	33.71	17.19	33.38	S66°55'59"E	27°35'29"
C45	70.00	33.71	17.19	33.38	N85°28'33"E	27°35'29"
C46	70.00	33.71	17.19	33.38	N57°53'04"E	27°35'29"
C47	70.00	29.92	15.19	29.69	N31°50'35"E	24°29'28"
C48	40.00	16.52	8.38	16.40	S31°25'33"W	23°39'24"
C49	474.00	11.51	5.75	11.51	S43°56'59"W	1°23'27"
C50	474.00	33.53	16.77	33.53	S46°40'18"W	4°03'12"
C51	526.00	11.88	5.94	11.88	N48°03'06"E	1°17'37"
C52	526.00	37.91	18.96	37.90	N45°20'25"E	4°07'45"
C53	25.00	39.28	25.01	35.36	S88°17'09"W	90°01'14"
C54	25.00	39.26	24.99	35.35	N01°42'51"W	89°58'46"
C55	474.00	38.62	19.32	38.61	N45°36'36"E	4°40'08"
C56	474.00	6.24	3.12	6.24	N48°19'17"E	0°45'14"
C57	526.00	39.46	19.74	39.45	S46°32'57"W	4°17'54"
C58	526.00	10.52	5.26	10.52	S43°49'38"W	1°08'45"
C59	40.00	2.58	1.29	2.58	S45°06'11"W	3°41'52"
C60	40.00	11.24	5.66	11.20	S55°00'03"W	16°05'50"
C61	70.00	33.31	16.97	32.99	N49°25'08"E	27°15'40"
C62	70.00	35.19	17.97	34.82	N21°23'13"E	28°48'10"
C63	70.00	35.19	17.97	34.82	N07°24'56"W	28°48'10"
C64	70.00	37.01	18.95	36.58	N36°57'53"W	30°17'44"
C65	70.00	17.58	8.84	17.53	N59°18'26"W	14°23'22"

CURVE TABLE						
CURVE	RADIUS	LENGTH	TANGENT	CHORD	BEARING	DELTA
C66	40.00	13.82	6.98	13.75	S56°36'15"E	19°47'43"
C67	30.00	47.10	29.98	42.41	N01°43'34"W	89°57'39"
C68	20.00	31.43	20.01	28.29	S88°16'26"W	90°02'21"
C69	20.00	31.40	19.99	28.27	N01°43'34"W	89°57'39"
C70	20.00	31.43	20.01	28.29	S88°16'26"W	90°02'21"
C71	20.00	31.40	19.99	28.27	S01°43'34"E	89°57'39"
C72	20.00	31.43	20.01	28.29	S88°16'31"W	90°02'31"
C73	20.00	17.08	9.10	16.56	N22°14'42"W	48°55'04"
C74	50.00	8.92	4.47	8.90	S02°53'40"E	10°13'00"
C75	50.00	49.26	26.83	47.29	S36°13'28"E	56°26'38"
C76	50.00	63.14	36.56	59.03	N79°22'41"E	72°21'03"
C77	50.00	62.37	35.98	58.41	N07°27'56"E	71°28'27"
C78	50.00	49.13	26.75	47.18	N56°25'14"W	56°17'54"
C79	50.00	9.64	4.84	9.63	S89°54'16"W	11°03'06"
C80	20.00	17.08	9.10	16.56	S71°09'45"E	48°55'04"
C81	20.00	31.40	19.99	28.27	S01°43'29"E	89°57'29"
C82	25.00	39.29	25.02	35.37	S88°16'31"W	90°02'31"
C83	25.00	39.25	24.98	35.34	N01°43'29"W	89°57'29"
C84	25.00	39.29	25.02	35.37	S88°16'31"W	90°02'31"

LINE TABLE		
LINE	LENGTH	BEARING
L1	42.00	N43°16'32"E
L2	58.00	N43°16'32"E
L3	15.00	S46°46'36"E
L4	42.00	N43°15'15"E
L5	42.00	N43°15'15"E
L6	51.02	N46°42'14"W
L7	50.98	N46°42'14"W
L8	51.02	N46°42'14"W
L9	50.99	N46°42'14"W
L10	51.01	N46°42'14"W
L11	26.07	S51°03'02"E
L12	26.07	S51°03'02"E



LOCATION MAP SCALE: 1" = 1000'



GRAPHIC SCALE

100 0 50 100 200 400

(IN FEET)
1 inch = 100 ft.

DATE OF PREPARATION: OCTOBER 18, 2006

CONDE INC.
ENGINEERING / PLANNING
GPS / SURVEYING / CADD
1790 LEE TREVINO DR. STE 400
EL PASO, TEXAS 79936
PH. # 592-0283 FAX # 592-0286

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 5152 AT ALL EXTERIOR BOUNDARY CORNERS UNLESS OTHERWISE NOTED.

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 NEWMAN RANCH PARTNERS L. L. C., GENERAL PARTNER OF NEWMAN RANCH PARTNERS, L.P., 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 partnership for the purpose and considerations herein expressed.

Given under my hand and seal of office this 3rd day of June 2008.

SUSAN MCMILLAN NOTARY PUBLIC My commission expires MARCH 16, 2009

Susan McMillan
Notary Public in and for El Paso County

3-16-09
My Commission Expires

ACKNOWLEDGEMENT

STATE OF TEXAS
COUNTY OF EL PASO

Before me, the undersigned authority, on this day personally appeared Edmund G. Archuleta for EL PASO WATER UTILITIES PUBLIC SERVICE BOARD, 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 Board for the purpose and considerations herein expressed.

Given under my hand and seal of office this 3rd day of June 2008.

ALMA R. DEANDA NOTARY PUBLIC In and for EL PASO County, Texas My commission expires

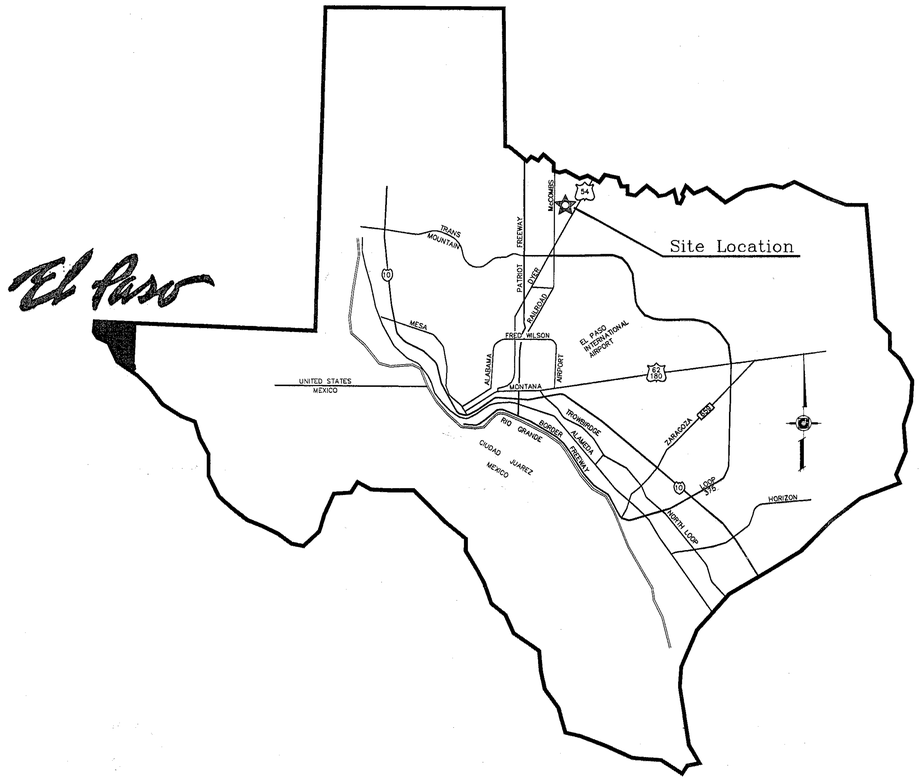
Alma R. DeAnda
Notary Public in and for El Paso County

Sept. 16, 2008
My Commission Expires

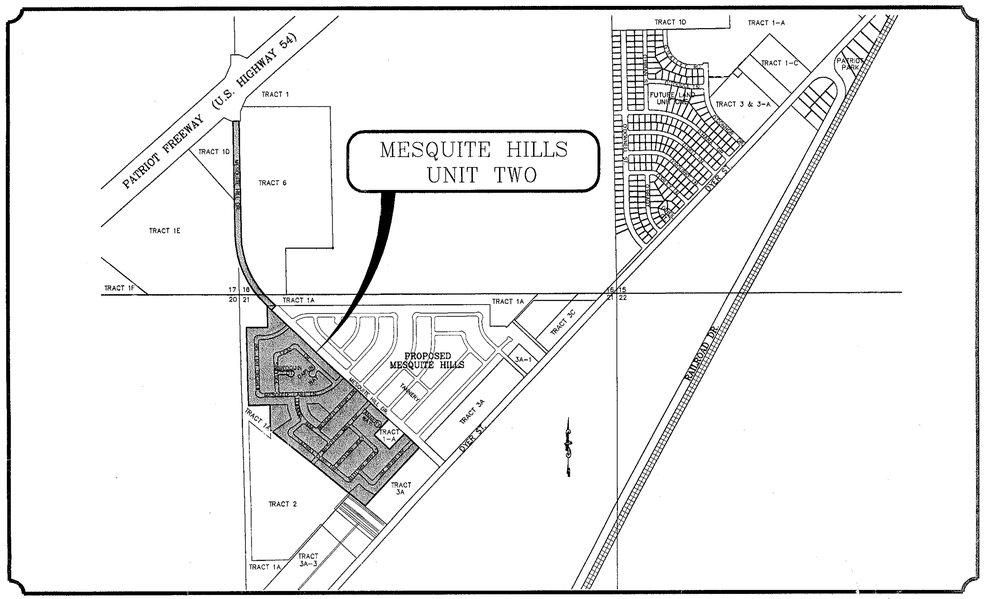
Sheet: 3 OF 3

J:\Data\Acl\MESQ-HILLS-2-FN3-OF-3.dwg, Model, 6/2/2008 10:00:30 AM, C.CORTEZ

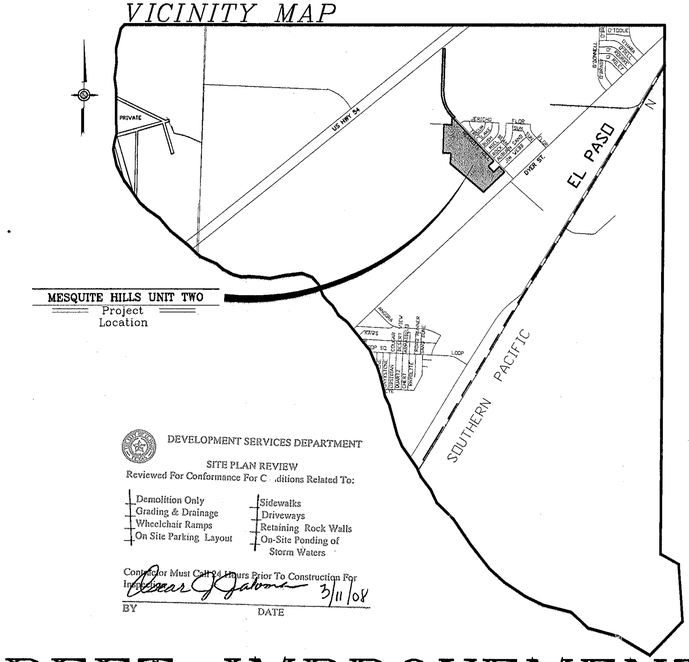
269-M



LOCATION MAP SCALE: 1" = 600'



VICINITY MAP



DEVELOPMENT SERVICES DEPARTMENT

SITE PLAN REVIEW
Reviewed For Conformance For C .ditions Related To:

- Demolition Only
- Grading & Drainage
- Wheelchair Ramps
- On Site Parking Layout
- Sidewalks
- Driveways
- Retaining Rock Walls
- On-Site Ponding of Storm Waters

Contractor Must Call 24 Hours Prior To Construction For Inspection

BY DATE 3/11/08

STREET IMPROVEMENTS

I N D E X

TITLE	SHEET No.		
COVER SHEET	1	OF	59
PLAT	2-4	OF	59
GRADING PLAN	5-7	OF	59
GRADING SECTIONS	8-9	OF	59
DRAINAGE PLAN	10-12	OF	59
STORM WATER POLLUTION PREVENTION PLAN	13-16	OF	59
MESQUITE HILL DR.	17-21	OF	59
JERICHO TREE DR./MESQUITE LAKE LN.	22-25	OF	59
FALLING LEAF CR.	26-28	OF	59
BEDOUIN CT./DAPLIN WAY	29	OF	59
COPPER NAIL LN.	30-31	OF	59
MESQUITE BUSH DR.	32	OF	59
MESQUITE MIEL DR.	33-34	OF	59
AUTUMN WHEAT DR./SACHET CLIFF DR.	35-38	OF	59
LAPSTONE WAY	39	OF	59
TANNERY WAY	40	OF	59
JIM WEBB DR.	41-42	OF	59
DECELERATION LANE	42A	OF	59
POND AND PARK SECTIONS	43-45	OF	59
DRAINAGE STRUCTURES AND PROFILES	46-48	OF	59
STRUCTURE DETAILS	49-51	OF	59
STANDARD DETAILS	52-53	OF	59
PHASE PLAN	54-56	OF	59
ILLUMINATION PLAN AND DETAILS	57-59	OF	59
LANDSCAPE / IRRIGATION PLAN & DETAILS	LI-1 - LI-6	OF	6

103096

PROJECT NAME

MESQUITE HILLS UNIT TWO

BEING A PORTION OF TRACT 6, SECTION 16, PORTION OF TRACTS 1D AND 1E, SECTION 17, AND PORTION OF TRACTS 1A, 2, AND 3A, SECTION 21, BLOCK 80, TSP 1, TEXAS AND PACIFIC RAILROAD Co. SURVEYS, AND PORTION OF MESQUITE HILL DRIVE, MESQUITE HILLS, CITY OF EL PASO, EL PASO COUNTY, TEXAS
CONTAINING: 73.854 ACRES

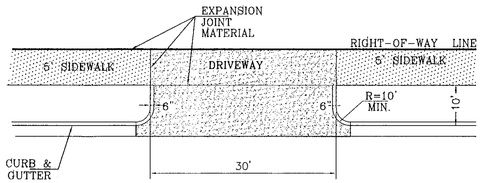
CONDE INC.
ENGINEERING / PLANNING
SURVEYING / GPS
1790 LEE TREVINO DR. STE 400
EL PASO, TEXAS 79936

CONDE INC.

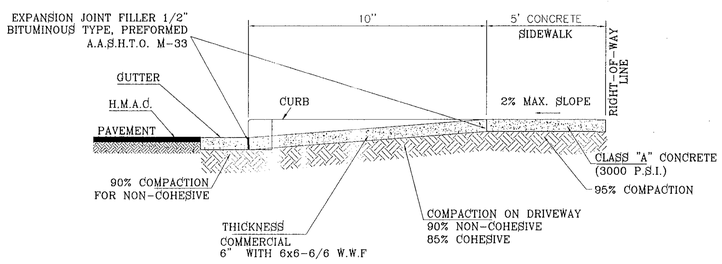
COVER SHEET

SHT 1 OF 59

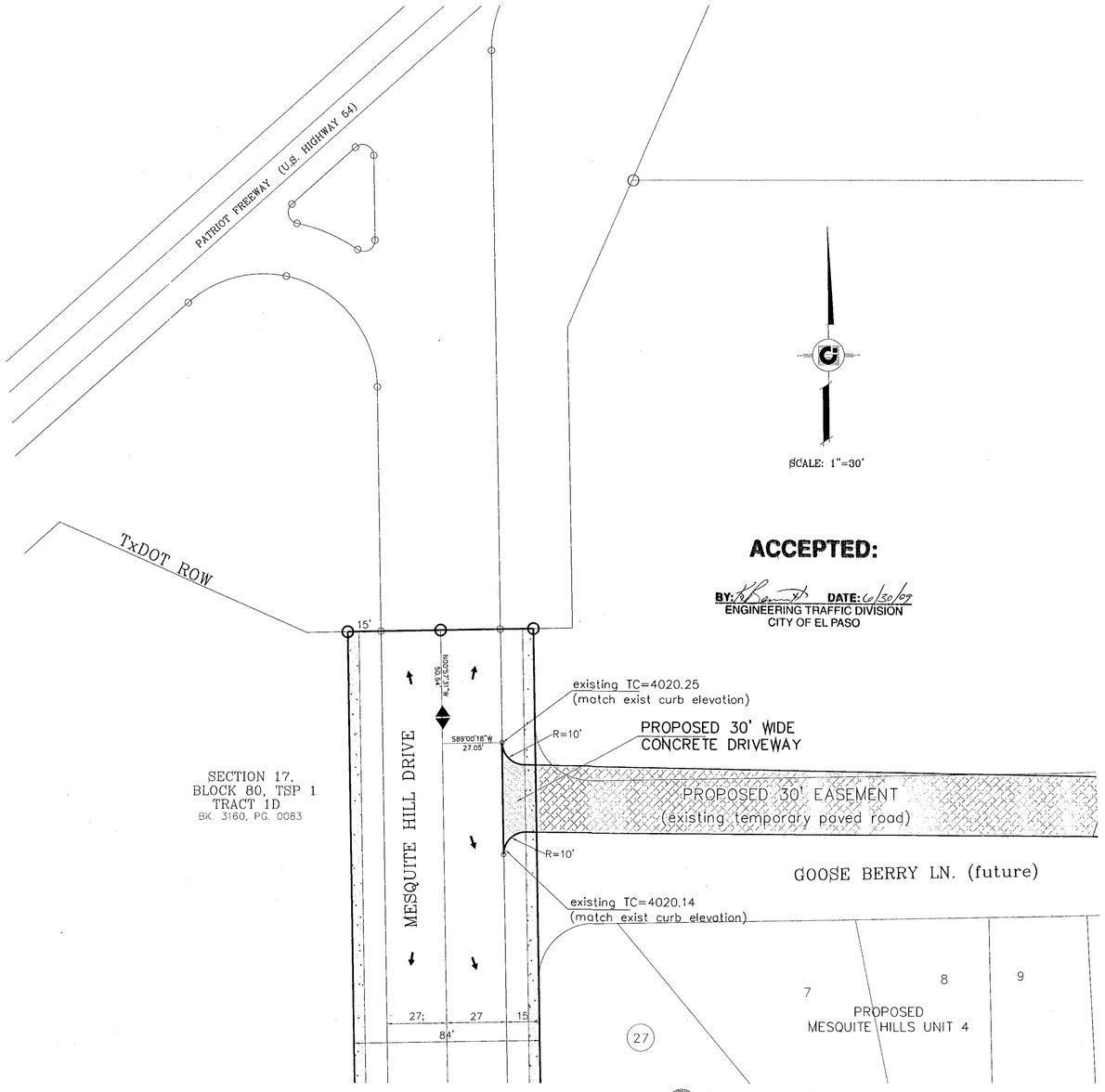
C:\Lsrv\Projects 2006\MESQUITE HILLS 2-RE\dwg\MH2-CVR.dwg, LOCMAP1, 3/7/2008 8:24:40 AM



DRIVEWAY PLAN VIEW
AS PER CITY DESIGN STANDARD 6-8, 6-9
nts



DRIVEWAY SECTION
SCALE: 1"=3'



ACCEPTED:

BY: [signature] DATE: 6/30/09
ENGINEERING TRAFFIC DIVISION
CITY OF EL PASO

DEVELOPMENT SERVICES DEPARTMENT

SITE PLAN REVIEW
Reviewed For Conformance For Conditions Related To:

- Demolition Only
- Grading & Drainage
- Wheelchair Ramps
- On Site Parking Layout
- Sidewalks
- Driveways
- Retaining Rock Walls
- On-Site Ponding of Storm Waters

Contractor Must Call 24 Hours Prior To Construction For Inspection

[signature] 7/9/2009
BY DATE

MESQUITE HILLS UNIT TWO

BENCHMARKS
VERTICAL DATUM IS CITY AS PER NATIONAL GEODETIC SURVEY MARKER "B 1383", PID# CE0410 NAVD 88 ELEVATION: 4013.41
CITY DATUM CONVERSION: 10.429
CITY DATUM ELEVATION: 4002.99

DATE	REVISIONS	BY
6-24-2009	widen driveway from 25 to 30'	R.O.

PROJECT NAME
MESQUITE HILL DR. DRIVEWAY
MESQUITE HILLS UNIT TWO

SCALE
Horiz: 1"=30'
Vert: --
DATE: june 2009
DESIGN BY: Y.C.
INITIATED BY: R.O.
CHKD. BY: Y.C.

ENGINEER'S SEAL
STATE OF TEXAS
YVONNE CONDE CURRY
64648
LICENSED PROFESSIONAL ENGINEER

CONDE INC.
ENGINEERING / PLANNING
SURVEYING / GPS
1790 LEE TREVINO DR. STE 400
EL PASO, TEXAS 79936

CONDE INC.

SHEET TITLE
PROPOSED DRIVEWAY

SHT 1 OF 1

GENERAL NOTES:

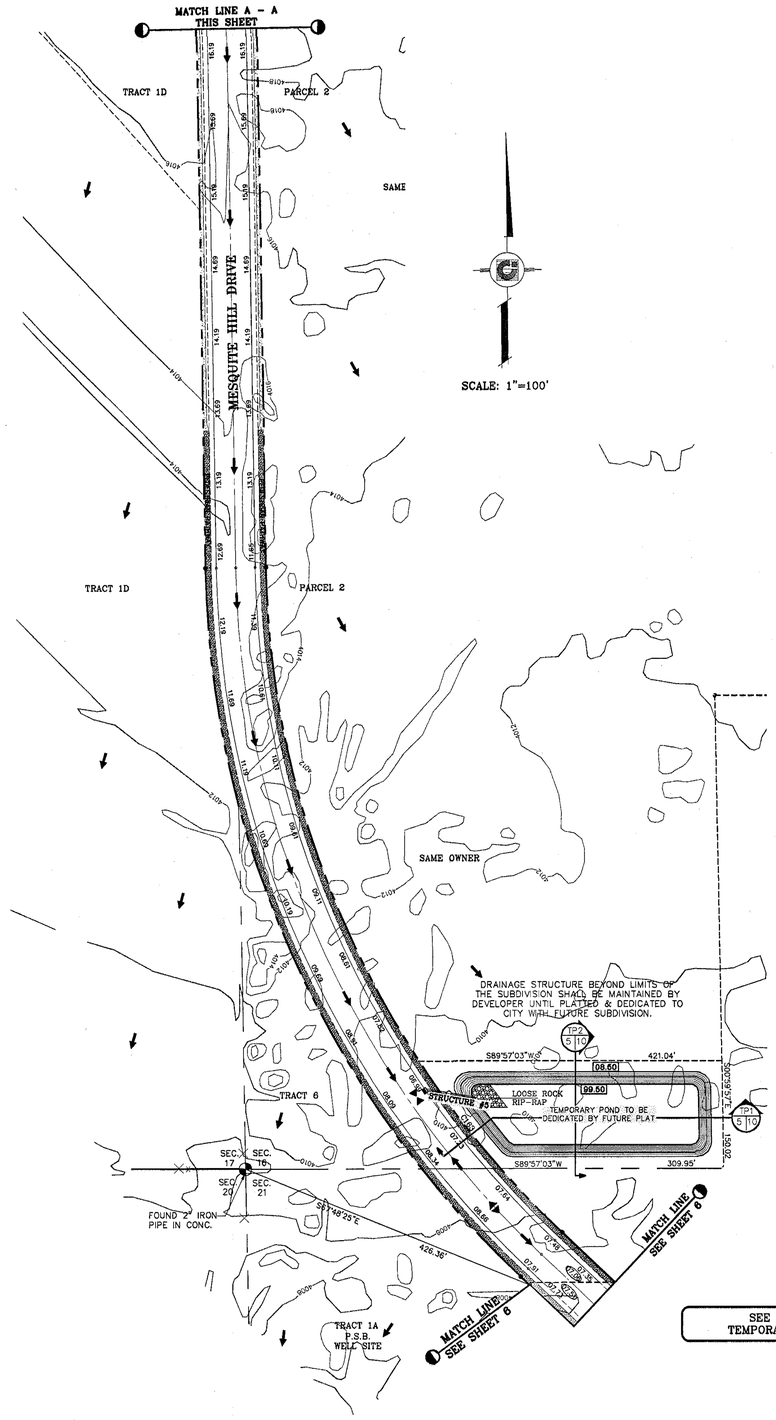
1. IMPROVEMENT WITHIN CITY R.O.W. SHALL COMPLY WITH TITLE 19– SUBDIVISION ORDINANCE – "SUBDIVISION IMPROVEMENT DESIGN STANDARDS".
2. CONTRACTOR SHALL PROVIDE TEMPORARY MEASURES FOR THE MANAGEMENT OF STORM WATER RUNOFF ENTERING, EXITING AND ON SITE DURING THE COURSE OF THE CONSTRUCTION. TEMPORARY BERMS, DESILTING BASIN, CHECK DAMS, PIPING ETC. SHALL BE PROVIDED AS NECESSARY.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION AND NOTIFICATION WITH ALL APPURTENANT UTILITY COMPANIES WHOSE LINES ARE WITHIN THE CONSTRUCTION CONTRACT AREA. THE CONTRACTOR SHALL NOTIFY UTILITY COMPANIES 48 HOURS PRIOR TO ANY CONSTRUCTION ON SITE. THE CONTRACTOR WILL BE RESPONSIBLE PHYSICALLY AND FINANCIALLY FOR ANY DISRUPTION TO SERVICE EITHER ON SITE OR OFF SITE DUE TO BREAKAGE OF UTILITY LINES.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL DATA SHOWN ON THE PLANS. IF DISCREPANCIES ARE FOUND THE CONTRACTOR SHALL NOTIFY THE OWNER OR ENGINEER IMMEDIATELY SO THAT PROPER CORRECTIONS CAN BE MADE.
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 BY THE OWNER OR HIS REPRESENTATIVE.
8. THE CONTRACTOR SHALL NOTIFY THE OWNER, OR HIS REPRESENTATIVE, IN SUFFICIENT TIME IN ADVANCE OF DELIVERY OF MATERIALS TO BE SUPPLIED BY HIM UNDER THIS PROJECT, IN ORDER THAT THE OWNER MAY ARRANGE, IF DESIRED, INSPECTION AND TESTING FOR SAME.
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. DEVELPOER 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 IN AN UNDAMAGED CONDITION.
3. NATURAL SUBGRADES TO SUPPORT STRUCTURAL FILL OR PAVEMENTS SHOULD BE STRIPPED OF ALL VEGETATION OR ORGANIC TOPSOIL. THE EXPOSED SUBGRADE SHOULD BE SCARIFIED JUST PRIOR TO FIL PLACEMENT TO A MINIMUM DEPTH OF 6" RCPES AND RECOMPACTED TO A MINIMUM OF 95% OF MAXIMUM DENSITY AS PER ASTM D-1557. ALL BACKFILL MATERIAL TO BE PLACED IN HORIZONTAL LAYERS NOT TO EXCEED EIGHT (8")INCH LIFTS AND COMPACTED AS BEFORE.
4. TEMPORARY DUST AND EROSION CONTROL MEASURES SHALL BE PROVIDED FOR AT ALL TIMES. SEE SHEET 13, 14 & 15.
6. ANY EROSION OF THE GRADED SITE DURING THE COURSE OF THE PROJECT SHALL BE CORRECTED PRIOR TO FINALIZATION OF THE PROJECT AT NO COST TO THE OWNER.
6. ALL SLOPES AND SWALES WITHIN LOTS SHALL BE MAINTAINED BY LOT OWNER.

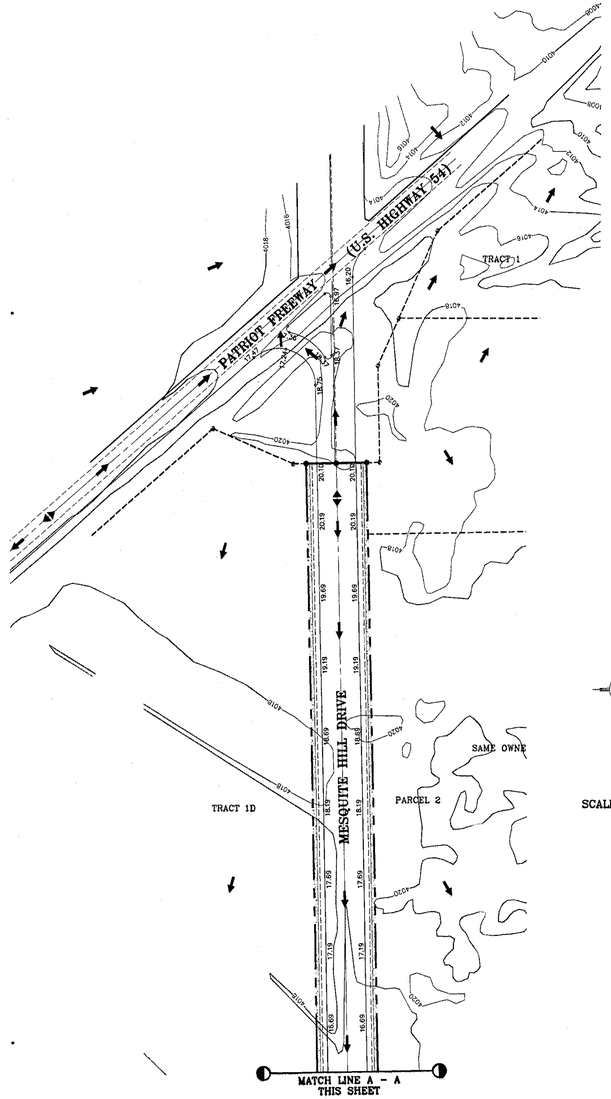
CONSTRUCTION NOTES:

1. ALL CONCRETE FOR STRUCTURES SHALL BE 3000 PSI @ 28 DAYS FOR SIDEWALK/CURB & GUTTER. 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.
5. RETAINING WALLS WILL BE REQUIRED WHERE THERE IS A GRADE DIFFERENCE OF 2 OR MORE FEET BETWEEN LOTS AND STREET. RETAINING WALL DESIGN AT TIME OF BUILDING PERMIT.
6. 85% COMPACTION REQUIRED ON CUTS & 95% COMPACTION REQUIRED ON FILLS.



SEE SHEET 10 FOR TEMPORARY POND DETAILS

CURVE TABLE						
CURVE	RADIUS	LENGTH	TANGENT	CHORD	BEARING	DELTA
C163	1308.00	198.31	94.32	198.15	S37°10'58"E	8°14'56"



SCALE: 1"=100'

A 4 6
SECTION No.
SECTION DETAILS SHEET
SECTION REFERENCE SHEET

FLOOD ZONE:
HEREON DESCRIBED TRACT LIES IN FLOOD ZONE C. COMMUNITY PANEL NO. 480214 0009D & PANEL NO. 480214 0015D SEPTEMBER 3, 1997

LEGEND

- HIGH POINT
- LOW POINT
- 25.68 — PROP. TOP OF CURB ELEV.
- FG=00.00 / FF=00.67 — PROP. FINISH GROUND AND FINISH FLOOR
- BOUNDARY LINE
- PROPOSED 6' ROCKWALL
- PROPOSED RETAINING WALL
- DENOTES AS BUILT CONDITIONS ONLY

BENCHMARKS
VERTICAL DATUM IS CITY AS PER NATIONAL GEODETIC SURVEY MONUMENT "EL PASO AZ MOUNT" NAVD 88 ELEVATION: 4013.41
CITY DATUM CONVERSION: 10.429
CITY DATUM ELEVATION: 4002.98

DATE	REVISIONS	BY
09-30-2007	Revise package as per revised plat.	E.F.G.
02-06-2008	City Redlines as per 02-04-2008.	E.F.G.
03-03-2008	City Redlines as per 03-03-2008.	E.F.G.

PROJECT NAME

MESQUITE HILLS UNIT TWO

BEING A PORTION OF TRACT 6, SECTION 16, PORTION OF TRACTS 1D AND 1E, SECTION 17, AND PORTION OF TRACTS 1A, 2, AND 3A, SECTION 20, BLOCK 80, TOWNSHIP 2, TEXAS AND PACIFIC RAILROAD CO. SURVEYS, AND PORTION OF MESQUITE HILL DRIVE
MESQUITE HILLS, CITY OF EL PASO, EL PASO COUNTY, TEXAS
CONTAINING: 73.854 ACRES

SCALE
Horiz: 1"=100'
Vert: --

DATE: MAY 2007
DESIGN BY: F.C.
INITIATED BY: E.F.G.
CHKD. BY: F.C.
JOB NO: 1106-06

ENGINEER'S SEAL
STATE OF TEXAS
FRANCISCO CAMPA
99191
LICENSED PROFESSIONAL ENGINEER
08/20/08

CONDE INC.
ENGINEERING / PLANNING
SURVEYING / GPS
1790 LEE TREVINO DR. STE 400
EL PASO, TEXAS 79936

CONDE INC.

SHEET TITLE

GRADING PLAN

SHT 5 OF 59

103096

MESQUITE HILLS UNIT TWO

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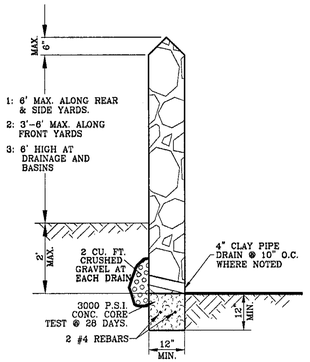
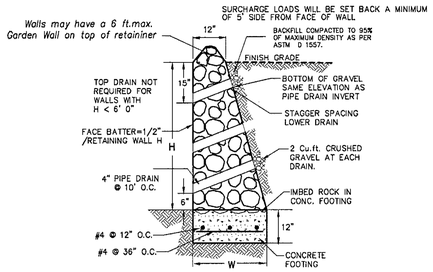


ROCKWALL DETAIL

SCALE: 1" = 2'

ROCKWALL NOTES:

1. STONE FOR ROCKWALLS SHALL BE AS NEARLY UNIFORM IN SECTIONS AS IS PRACTICABLE. THE STONE SHALL BE DENSE AND RESISTANT OF AIR AND WATER.
2. MORTAR MUST BE TYPE "S" 1800 P.S.I. AS PER ASTM C270.
3. MASONRY WALLS OVER SIX (6) FEET IN HEIGHT AND THOSE USED FOR EARTH RETENTION OVER TWO (2) FEET MUST BE DESIGNED AS STRUCTURAL WALLS.
4. WALLS ADJACENT TO PONDING AREAS OR DRAINAGE DITCHES MAY BE CONSTRUCTED OF BRICK, CINDER BLOCK, STONE OR OR CINDER BLOCK AND SHALL NOT BE LESS THAN SIX (6) FEET HIGH FROM HIGH SIDE.
5. ROCKWALL MORTAR JOINTS MUST NOT EXCEED TWO (2)" RCPES.
6. PROVIDE ONE (1)" RCP EXPANSION JOINTS AT EVERY 100 FEET.
7. ALL STONE SHALL BE THOROUGLY SOAKED BEFORE BEING PLACED.
8. NO RIVER ROCK SHALL BE ALLOWED.



RETAINING WALL

NTS

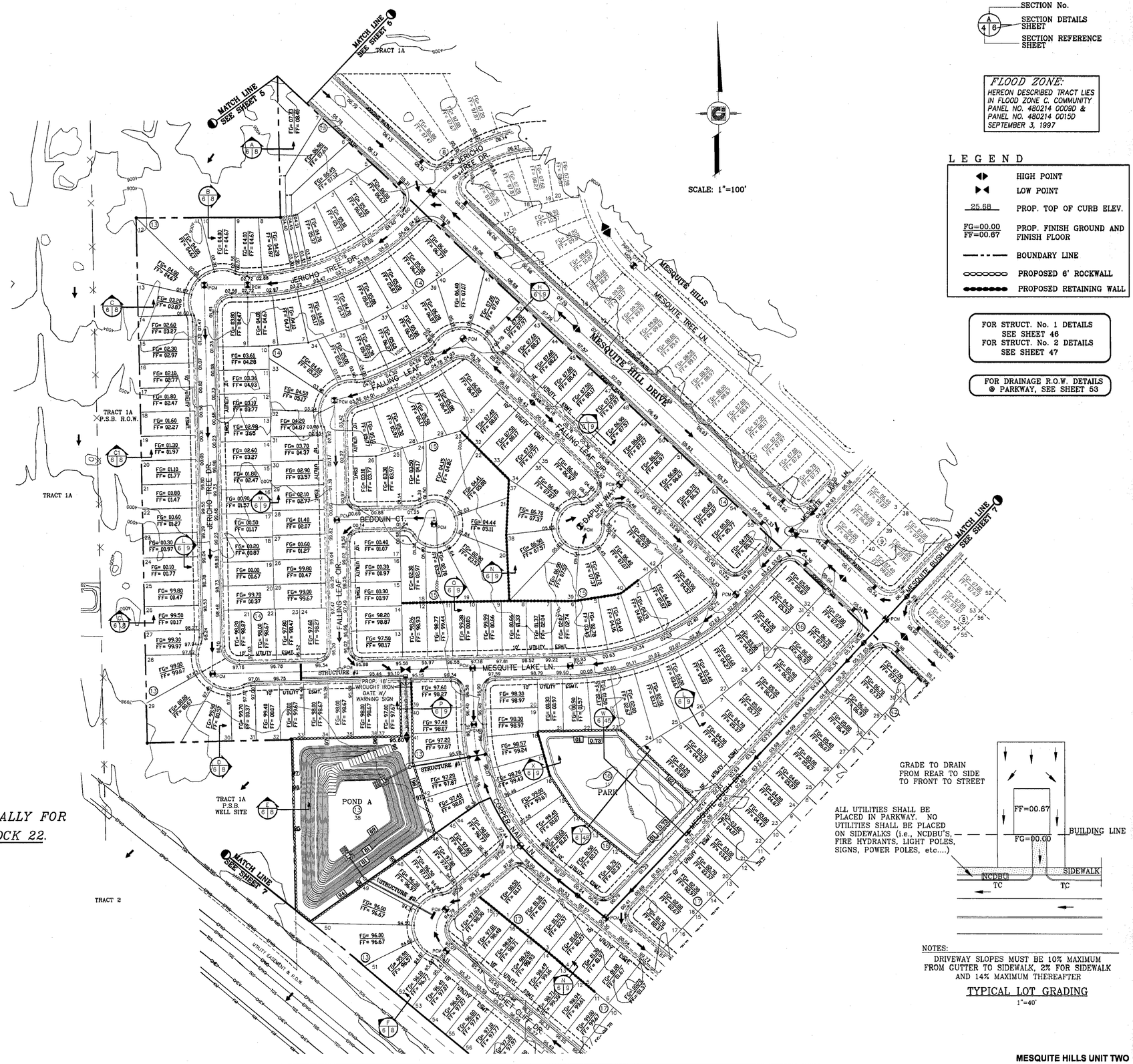
TABLE

HEIGHT H (ft.)	BASE WIDTH W (ft.)	TOE PRESSURE (lbs/s.f.)	HEEL PRESSURE (lbs/s.f.)
2.01'	1'-0"	1051	439
2.50'	1'-0"	1504	139
3.00'	1'-6"	1489	33
3.50'	1'-10"	1553	7

RETAINING WALL DESIGN FOR POND ONLY–SPECIFICALLY FOR LOTS 37 & 39–40, BLOCK 13 AND LOTS 24–25, BLOCK 22. DESIGN NOT FOR RESIDENTIAL LOTS.

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 USED.
2. MORTAR SHALL BE ASTMC-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, FY = 40,000 PSI
5. ALLOWABLE SOIL BEARING PRESSURE = 2,100 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.



SECTION No.
SECTION DETAILS SHEET
SECTION REFERENCE SHEET

FLOOD ZONE:
HEREON DESCRIBED TRACT LIES IN FLOOD ZONE C. COMMUNITY PANEL NO. 480214 0009D & PANEL NO. 480214 0015D SEPTEMBER 3, 1997

LEGEND

- HIGH POINT
- LOW POINT
- 25.68 — PROP. TOP OF CURB ELEV.
- FG=00.00 / FF=00.67 — PROP. FINISH GROUND AND FINISH FLOOR
- BOUNDARY LINE
- PROPOSED 6' ROCKWALL
- PROPOSED RETAINING WALL

FOR STRUCT. No. 1 DETAILS SEE SHEET 46
FOR STRUCT. No. 2 DETAILS SEE SHEET 47

FOR DRAINAGE R.O.W. DETAILS @ PARKWAY, SEE SHEET 53

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

TYPICAL LOT GRADING
1"=40'

BENCHMARKS
VERTICAL DATUM IS CITY AS PER NATIONAL GEODETIC SURVEY MONUMENT "TOPO" STAMPED TOPO 68 ELEVATION: 4013.41
CITY DATUM CONVERSION: 10.429
CITY DATUM ELEVATION: 4002.98

NO.	DATE	REVISIONS:	BY
1	08-30-2007	Revise package as per revised plat.	E.F.G.
2	02-06-2008	City Redlines as per 02-04-2008.	E.F.G.

PROJECT NAME

MESQUITE HILLS UNIT TWO

BEING A PORTION OF TRACT 6, SECTION 16, PORTION OF TRACTS 1D AND 1E, SECTION 17, AND PORTION OF TRACTS 1A, 2, AND 3A, SECTION 21, BLOCK 80, TOWNSHIP 1, TSP. & R.R. SURVEY, EL PASO COUNTY, TEXAS, AND PORTION OF MESQUITE HILL DRIVE
MESQUITE HILLS, CITY OF EL PASO, EL PASO COUNTY, TEXAS
CONTAINING: 73.854 ACRES

SCALE
Horiz: 1"=100'
Vert: ---
DATE: MAY 2007 F.C.
DESIGN BY: F.C.
INITIATED BY: E.F.G.
CHKD BY: F.C.
JOB NO.: 1106-06

ENGINEER'S SEAL
FRANCISCO CAMPA 99191 LICENSED PROFESSIONAL ENGINEER STATE OF TEXAS

CONDE INC.
ENGINEERING / PLANNING
SURVEYING / GPS
1790 LEE TREVINO DR. STE 400
EL PASO, TEXAS 79936

CONDE INC.

SHEET TITLE

GRADING PLAN

SHT 6 OF 59

MESQUITE HILLS UNIT TWO

C:\Land Projects 2006\MESQUITE HILLS 2-RE\dwg\MH2-GDPL.dwg, GRA2, 3/7/2008 9:05:57 AM

103096

SCALE: 1"=100'

SECTION No.
SECTION DETAILS SHEET
SECTION REFERENCE SHEET

FLOOD ZONE:
HEREON DESCRIBED TRACT LIES IN FLOOD ZONE C, COMMUNITY PANEL NO. 480214 0009D & PANEL NO. 480214 0015D SEPTEMBER 3, 1997

LEGEND

- HIGH POINT
- LOW POINT
- 25.66 — PROP. TOP OF CURB ELEV.
- FG=00.00 / FF=00.67 — PROP. FINISH GROUND AND FINISH FLOOR
- BOUNDARY LINE
- PROPOSED 6' ROCKWALL
- PROPOSED RETAINING WALL

FOR STRUCT. No. 2 & 3 DETAILS SEE SHEET 47
FOR STRUCT. No. 4 DETAILS SEE SHEET 48

FOR DRAINAGE R.O.W. DETAILS @ PARKWAY, SEE SHEET 53

TRACT 2

TRACT 1A P.S.B. WELL SITE

MATCH LINE SEE SHEET 6

PARK

MESQUITE BUSH DR.

MESQUITE ROCK DR.

PROPOSED MESQUITE HILLS

MESQUITE HILL DRIVE

COPPER KNOLL LN.

TANNER WAY

AUBURN SAND DR.

WEBB DR.

DYER ST.

SAGEBRUSH CLIFF DR.

AUTUMN WHEAT DR.

APRICOT STONE WAY

PAVEMENT TERMINUS

TEMPORARY SLOPE

FUTURE STREET

GUARDRAIL W/ DEAD END SIGN

PROP. 1B WROUGHT IRON GATE W/ WARNING SIGN

POND #1

TRACT 9-A (BK. 3551, PG. 0825) (***BK. 1008, PG. 0883)

FUTURE COMMERCIAL

FUTURE GRADING NOT PART OF THIS PROJECT

BENCHMARKS

VERTICAL DATUM IS CITY AS PER NATIONAL GEODETIC SURVEY MONUMENT "DYER" PID DJ0429 AND BE ELEVATION: 4013.41
CITY DATUM CONVERSION: 10.429
CITY DATUM ELEVATION: 4002.99

DATE	REVISIONS	BY
06-30-2007	Revise package as per revised plat.	E.F.G.
02-06-2008	Clty Redlines as per 02-04-2008.	E.F.G.

PROJECT NAME

MESQUITE HILLS UNIT TWO

BEING A PORTION OF TRACT 6, SECTION 16, PORTION OF TRACTS 1D AND 1E, SECTION 17, AND PORTION OF TRACT 3A, SECTION 21, BLOCK 79, TOWNSHIP 2, TEXAS AND PACIFIC RAILROAD CO. SURVEYS, AND PORTION OF MESQUITE HILL DRIVE, MESQUITE HILLS, CITY OF EL PASO, EL PASO COUNTY, TEXAS
CONTAINING: 73.854 ACRES

SCALE
Horiz: 1"=100'
Vert: --
DATE: MAY 2007
DESIGN BY: F.C.
INITIATED BY: E.F.G.
CHKD. BY: F.C.
JOB NO.: 1106-06

ENGINEER'S SEAL
STATE OF TEXAS
FRANCISCO CAMPA
99191
LICENSED PROFESSIONAL ENGINEER

CONDE INC.
ENGINEERING / PLANNING
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1790 LEE TREVINO DR. STE 400
EL PASO, TEXAS 79936

CONDE INC.

SHEET TITLE

GRADING PLAN

SHT 7 OF 59

MESQUITE HILLS UNIT TWO

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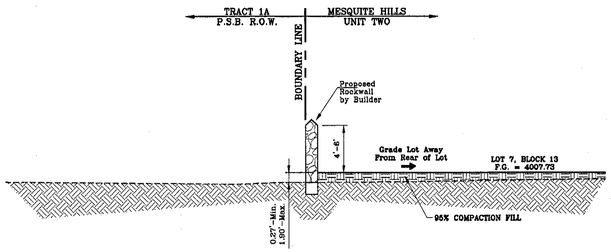
103096



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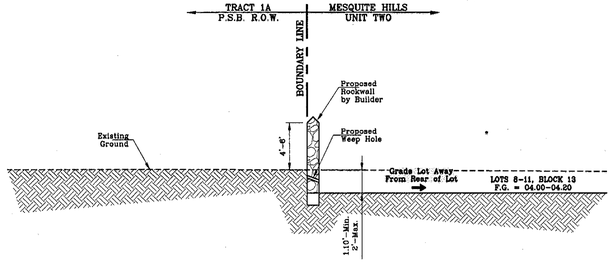

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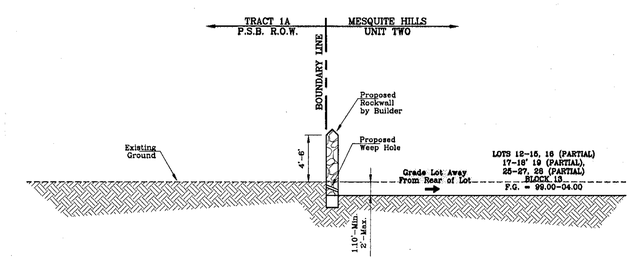

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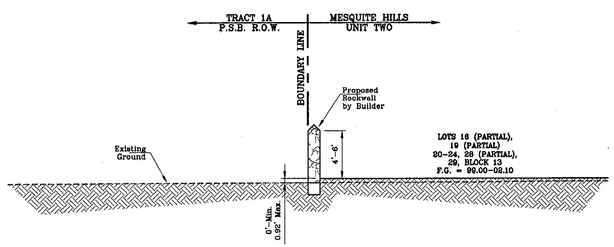

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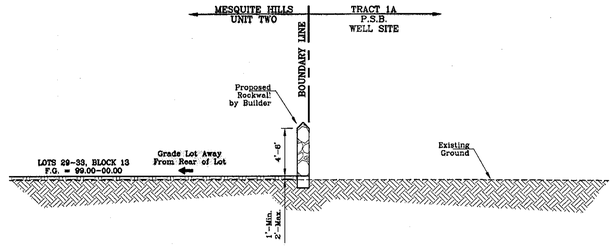

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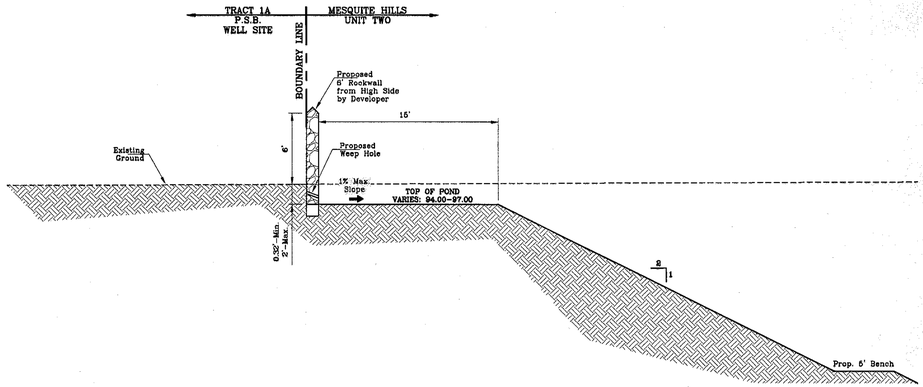

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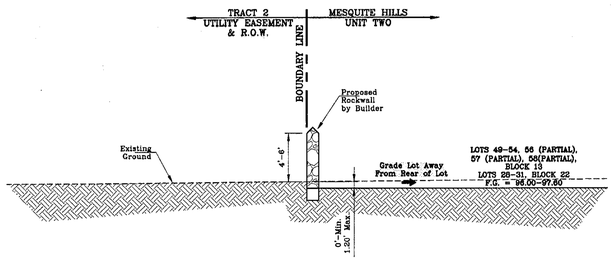

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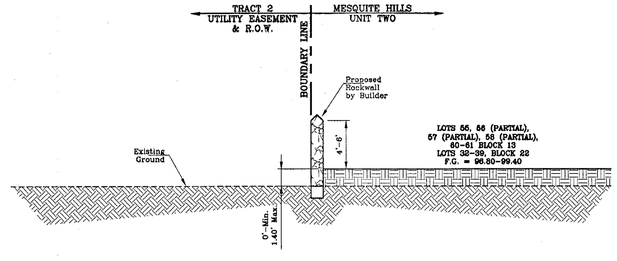

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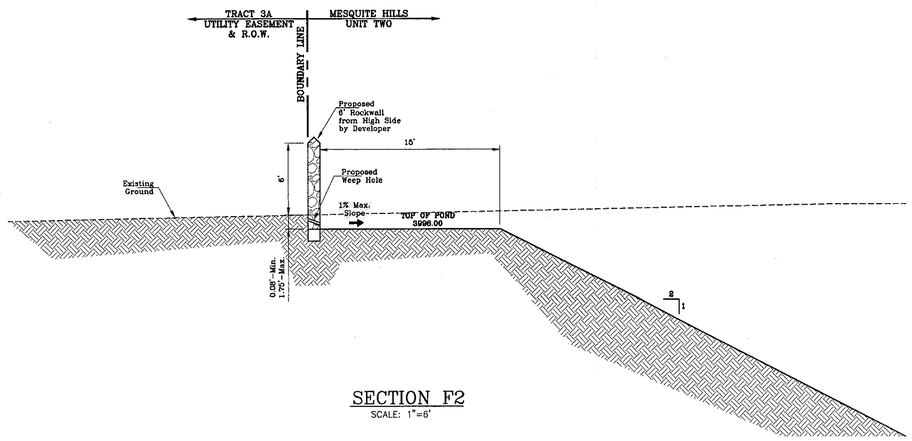

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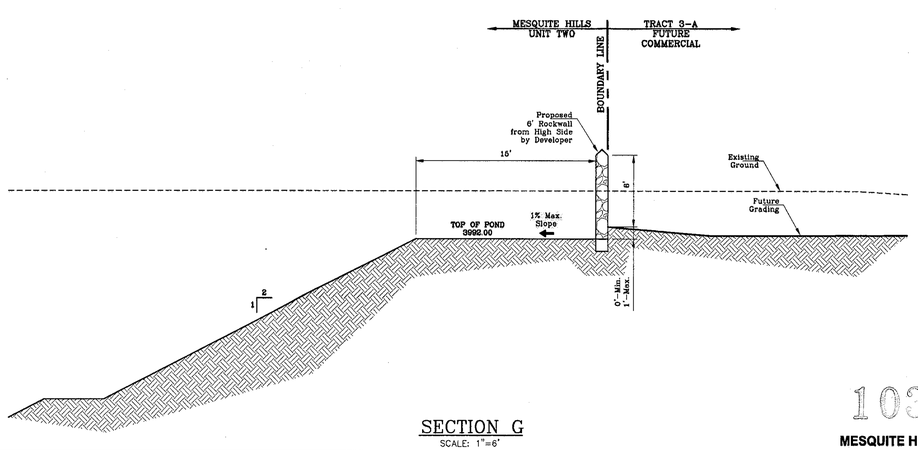

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BENCHMARKS

VERTICAL DATUM IS CITY AS PER NATIONAL GEODETIC SURVEY
MONUMENT "MESQUITE" PID: DM1440 NAVD 88 ELEVATION: 4013.41
CITY DATUM CONVERSION: 10.429
CITY DATUM ELEVATION: 4002.98

NO.	DATE	REVISIONS	BY
1	09-21-2007	Revise package as per revised plat.	E.F.G.
2	02-06-2008	City Redlines as per 02-04-2008.	E.F.G.

PROJECT NAME

MESQUITE HILLS UNIT TWO

BEING A PORTION OF TRACT 6, SECTION 16, PORTION OF TRACTS 1D AND 1E, SECTION 17, AND PORTION OF TRACTS 1A, 2, AND 3A, SECTION 21, BLOCK 80, TOWNSHIP 1, TEXAS & PACIFIC RAILROAD COMPANY SURVEY, CITY OF EL PASO, EL PASO COUNTY, TEXAS
MESQUITE HILLS, CITY OF EL PASO, EL PASO COUNTY, TEXAS
CONTAINING: 73.854 ACRES

SCALE
Horiz: 1"=6'
Vert: 1"=6'

DATE: MAY 2007
DESIGN BY: F.G.
QUANTITATED BY: E.F.G.
CHKD. BY: F.G.
JOB NO.: 1106-06

ENGINEER'S SEAL
FRANCISCO CAMPA
99191
LICENSED PROFESSIONAL ENGINEER
STATE OF TEXAS

CONDE INC.
ENGINEERING / PLANNING
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1790 LEE TREVINO DR. STE 400
EL PASO, TEXAS 79936

CONDE INC.

SHEET TITLE

GRADING SECTIONS

SHT 8 OF 59

103096

MESQUITE HILLS UNIT TWO

103096

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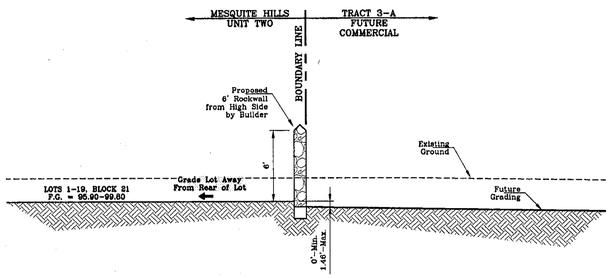

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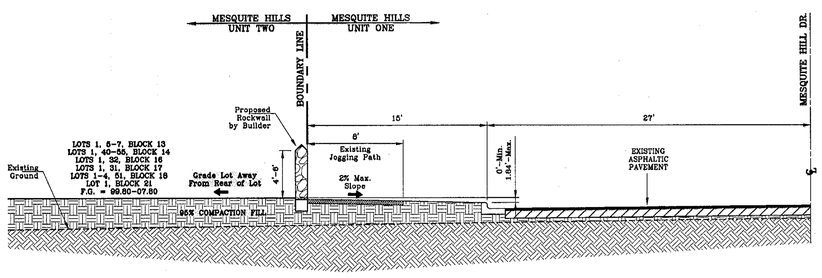

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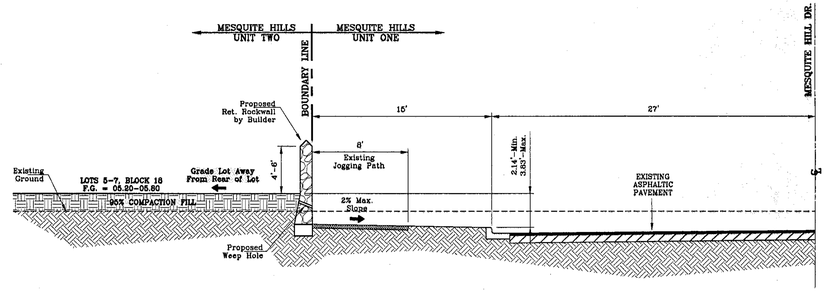

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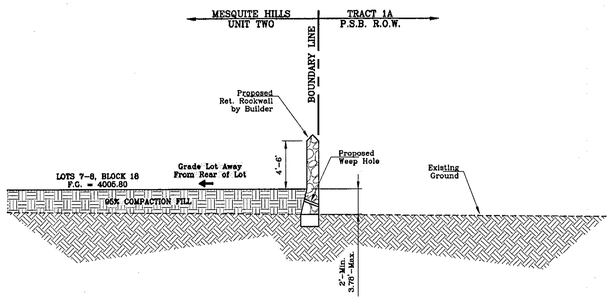

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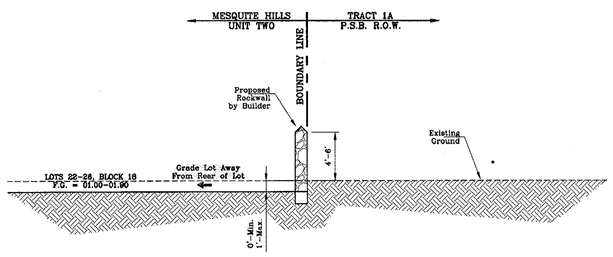

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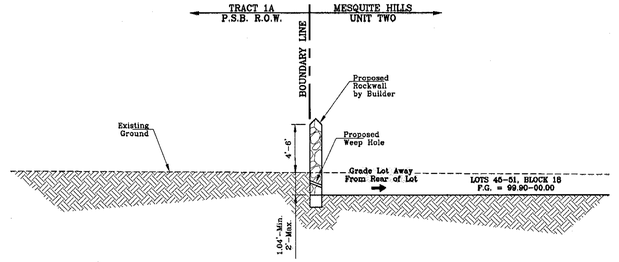

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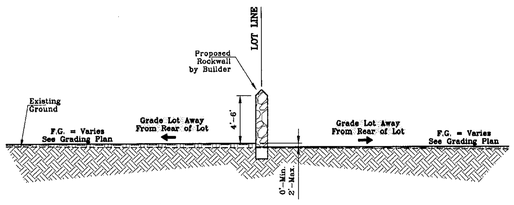

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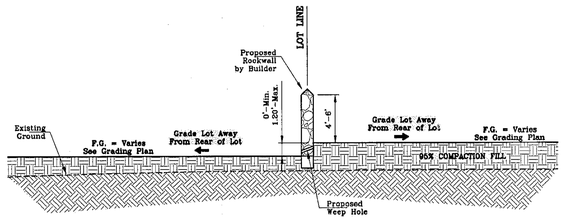

SECTION M (TYP.)
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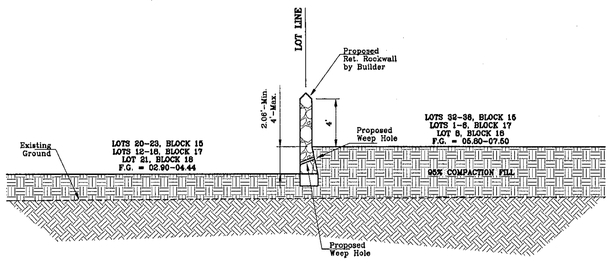

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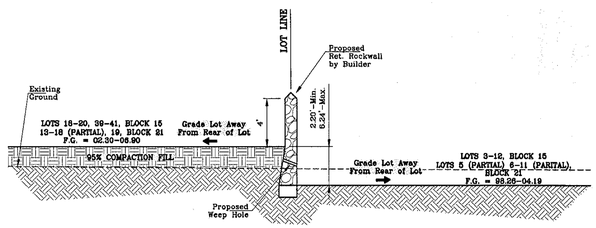

SECTION O
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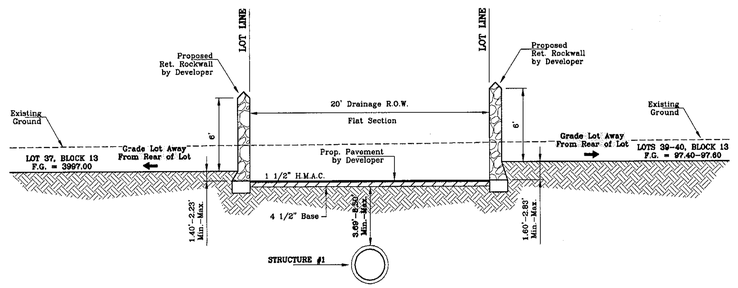

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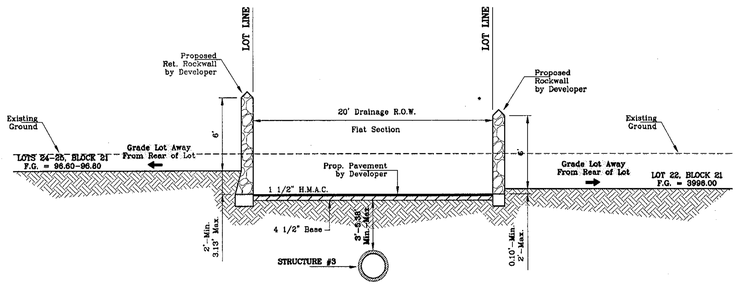

SECTION Q
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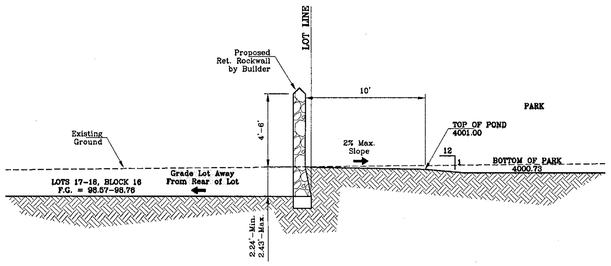

SECTION X
SCALE: 1"=6'

103096

MESQUITE HILLS UNIT TWO

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BENCHMARKS
VERTICAL DATUM IS CITY AS PER NATIONAL GEODETIC SURVEY MONUMENT "RM 10" NAD 83 ELEVATION: 4013.41
CITY DATUM CONVERSION: -10.429
CITY DATUM ELEVATION: 4002.98

NO	DATE	REVISIONS	BY
1	09-21-2007	Revise package as per revised plat.	E.F.G.
2	02-08-2008	City Redlines as per 02-04-2008.	E.F.G.
3	03-03-2008	City Redlines as per 03-03-2008.	E.F.G.

PROJECT NAME
MESQUITE HILLS UNIT TWO
BEING A PORTION OF TRACT 6, SECTION 16, PORTION OF TRACTS 1D AND 1E, SECTION 17, AND PORTION OF TRACTS 1A, 2, AND 3A, SECTION 21, BLOCK 80, TOWNSHIP 1, TARGET RANCH RAILROAD CO. SURVEY, CITY OF EL PASO, EL PASO COUNTY, TEXAS
MESQUITE HILLS, CITY OF EL PASO, EL PASO COUNTY, TEXAS
CONTAINING: 73.854 ACRES

SCALE
Horiz: 1"=6'
Vert: 1"=6'
DATE: MAY 2007
DESIGN BY: F.C.
INITIATED BY: E.F.G.
CHKD. BY: F.C.
JOB NO.: 1105-06

ENGINEER'S SEAL
STATE OF TEXAS
99191
LICENSED PROFESSIONAL ENGINEER
FRANCISCO CAMPA
10/31/08

CONDE INC.
ENGINEERING / PLANNING
SURVEYING / GPS
1790 LEE TREVINO DR. STE 400
EL PASO, TEXAS 79936

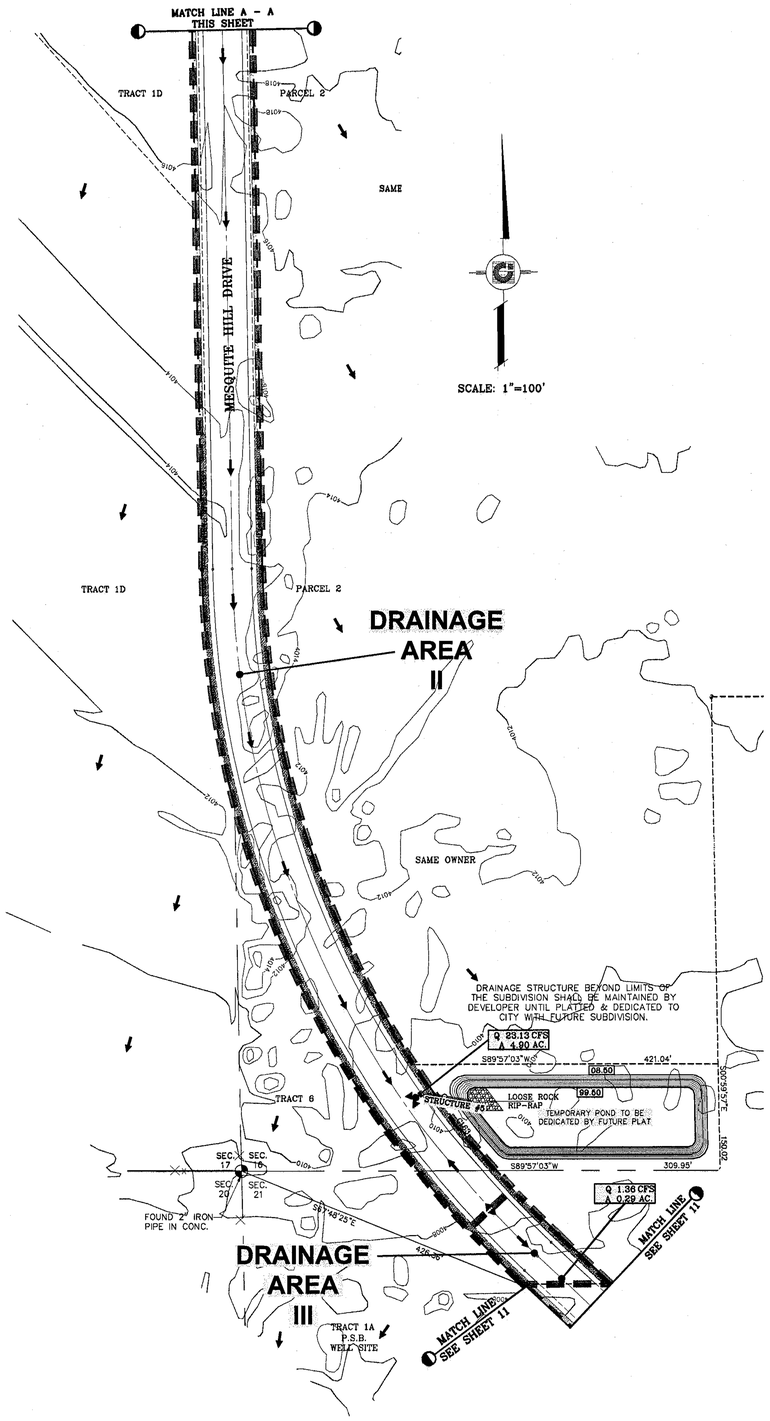
CONDE INC.

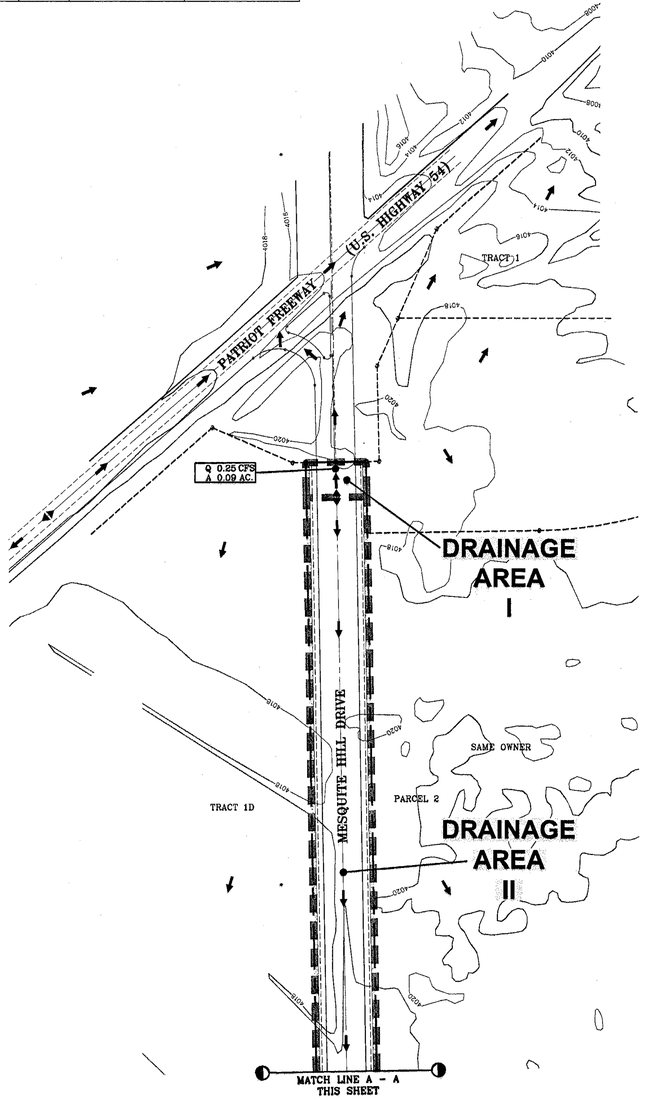
SHEET TITLE
GRADING SECTIONS

SHT 9 OF 59

103096

CURVE TABLE						
CURVE	RADIUS	LENGTH	TANGENT	CHORD	BEARING	DELTA
C163	1308.00	188.31	94.32	188.15	S37°10'58"E	8°14'56"





DRAINAGE AREA	AREA (AC)	Tc MIN.	C	I IN/HR	Q 50yr CFS
I	0.09	6.00	0.90	3.11	0.25
II	4.90	7.00	0.90	5.25	23.13
III	0.29	7.00	0.90	5.25	1.36
IV	10.16	27	0.6	3.33	20.29
V	9.16	26	0.55	3.41	17.18
VI	10.46	26	0.55	3.41	19.62
VII	18.48	26	0.6	3.41	37.82
VIII	9.83	26	0.6	3.41	20.10
IX	6.02	27	0.6	3.33	12.02
OFFSITE 1	5.97	25	0.68	3.49	14.17
OFFSITE 2	7.04	27	0.68	3.33	15.94
FUTURE COMM.	10.04	12	0.85	4.75	40.54
PARK	1.18	SEE PARK CHART FOR CALC.			
POND A	1.88	SEE POND CHART FOR CALC.			
POND B	1.21	SEE POND CHART FOR CALC.			
TEMP POND	1.27	SEE POND CHART FOR CALC.			

FLOOD ZONE:
HEREON DESCRIBED TRACT LIES IN FLOOD ZONE C. COMMUNITY PANEL NO. 480214 0009D & PANEL NO. 480214 0015D SEPTEMBER 3, 1997

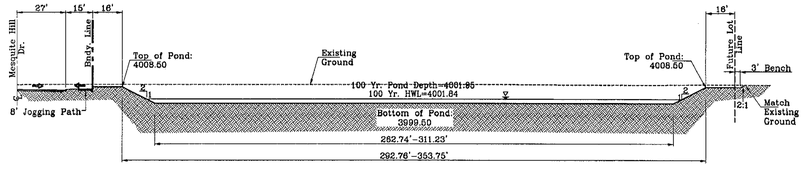
LEGEND

- DRAINAGE FLOW
- Q — RUN-OFF QUANTITY (CUBIC Ft/Sec)
- A — WATERSHED AREA (ACRES)
- PROP. DRAINAGE AREA
- UNDEVELOPED DRAINAGE AREA
- HIGH POINT
- LOW POINT
- 62.7TC — PROP. TOP OF CB. ELEV.
- 62.2PV — PROP. PAVEMENT ELEV. (PROP. SPOT ELEV.)
- 3936 — EXISTING GRADE
- 64 — PROP. CONTOUR ELEVATION

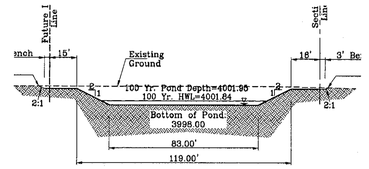
TEMP. POND CALCULATION:	
QD= 6.17 (3) 0.90 / 12	1.39 AC-FT
SILT & DEBRIS =	0.07 AC-FT
Qreq (Total)=	1.46 AC-FT
Qcap (Total)=	6.48 AC-FT

SEE SHEET 5 FOR TEMPORARY POND SECTION LOCATIONS

DEPTH OF POND IS TEMPORARY



SECTION TP1
SCALE: 1"=40'



SECTION TP2
SCALE: 1"=40'

MESQUITE HILLS UNIT TWO

BENCHMARKS
VERTICAL DATUM IS CITY AS PER NATIONAL GEODETIC SURVEY MARKER "B 1383 1 PID# CE0440 NAVD 88 ELEVATION: 4013.41
CITY HORIZONTAL CONTROL "A"
CITY DATUM ELEVATION: 4002.98

DATE	REVISIONS	BY
06-27-2007	Revise package as per revised plat.	E.F.G.
02-20-2008	City Redlines as per 02-04-2008.	E.F.G.
03-03-2008	City Redlines as per 03-03-2008.	E.F.G.

PROJECT NAME
MESQUITE HILLS UNIT TWO
BEING A PORTION OF TRACT 6, SECTION 16, PORTION OF TRACTS 1D AND 1E, SECTION 17, AND PORTION OF TRACTS 1A, 2, AND 3A, SECTION 21, BLOCK 80, TSP 1, TEXAS AND PACIFIC RAILROAD Co. SURVEYS, AND PORTION OF MESQUITE HILL DRIVE, CITY OF EL PASO, EL PASO COUNTY, TEXAS
MESQUITE HILLS, CONTAINING: 78.854 ACRES

SCALE
Horiz: 1"=100'
Vert: --
DATE: MAY 2007
DESIGN BY: F.C.
DRAWN/INITIATED BY: E.F.G.
CHKD. BY: F.C.
JOB NO.: 1106-06

ENGINEER'S SEAL
STATE OF TEXAS
FRANCISCO CAMPA
99191
LICENSED PROFESSIONAL ENGINEER
SURVEYED BY CONDE INC.

CONDE INC.
ENGINEERING / PLANNING
SURVEYING / GPS
1790 LEE TREVINO DR. STE 400
EL PASO, TEXAS 79936

CONDE INC.

SHEET TITLE
DRAINAGE PLAN

SHT 10 OF 59

MESQUITE HILLS UNIT TWO

103096

C:\Land Projects 2006\MESQUITE HILLS 2-RE\dwg\MH2-GDPL.dwg, DRA1, 3/7/2008 9:06:47 AM

DRAINAGE AREA	AREA (AC)	Tc MIN.	C	I IN/HR	Q 50yr CFS
I	0.09	6.00	0.90	3.11	0.25
II	4.90	7.00	0.90	5.25	23.13
III	0.29	7.00	0.90	5.25	1.36
IV	10.16	27	0.6	3.33	20.29
V	9.16	26	0.55	3.41	17.18
VI	10.46	26	0.55	3.41	19.62
VII	18.48	26	0.6	3.41	37.82
VIII	9.83	26	0.6	3.41	20.10
IX	6.02	27	0.6	3.33	12.02
OFFSITE 1	5.97	25	0.68	3.49	14.17
OFFSITE 2	7.04	27	0.68	3.33	15.94
FUTURE COMM.	10.04	12	0.85	4.75	40.54
PARK	1.18	SEE PARK CHART FOR CALC.			
POND A	1.88	SEE POND CHART FOR CALC.			
POND B	1.21	SEE POND CHART FOR CALC.			
TEMP POND	1.27	SEE POND CHART FOR CALC.			

FLOOD ZONE:
HEREON DESCRIBED TRACT LIES IN FLOOD ZONE C. COMMUNITY PANEL NO. 480214 0009D & PANEL NO. 480214 0015D SEPTEMBER 3, 1997

SCALE: 1"=100'

DRAINAGE AREA V

DRAINAGE AREA IV

DRAINAGE AREA VI

DRAINAGE AREA VII

DRAINAGE AREA VIII

POND A

PARK

MESQUITE HILLS UNIT ONE OFFSITE 1 & D.A. III
15.53 CFS
A 6.26 AC.

MESQUITE HILLS UNIT ONE OFFSITE 2
Q 16.94 CFS
A 7.04 AC.

Q 35.82 CFS
A 16.42 AC.

Q 17.18 CFS
A 9.16 AC.

Q 7.79 CFS
A 4.05 AC.

Q 88.34 CFS
A 43.08 AC.

Q 35.66 CFS
A 17.60 AC.

Q 37.82 CFS
A 18.48 AC.

Q 37.82 CFS
A 18.48 AC.

JERICHO TREE DR.
FALLING LEAF CIR.
BEDOUIN CT.
DAPLIN WAY
MESQUITE HILL DRIVE
MESQUITE TREE LN.
MESQUITE LAKE LN.
MESQUITE BUSH DR.
COPPER VALLEY LN.
SAGEBRUSH CLIFF DR.
MESQUITE HILLS

MATCH LINE SEE SHEET 10
MATCH LINE SEE SHEET 12
MATCH LINE SEE SHEET 12

TRACT 1A
TRACT 1A P.S.B. R.O.W.
TRACT 1A P.S.B. WELL SITE
TRACT 2

STRUCTURE #1
STRUCTURE #2
PROP. 18' WROUGHT IRON GATE W/ WARNING SIGN

UTILITY EASEMENT & R.O.W.

FOR STRUCT. No. 1 DETAILS SEE SHEET 46
FOR STRUCT. No. 2 DETAILS SEE SHEET 47

LEGEND

- DRAINAGE FLOW
- Q — RUN-OFF QUANTITY (CUBIC Ft/Sec)
- A — WATERSHED AREA (ACRES)
- PROP. DRAINAGE AREA
- UNDEVELOPED DRAINAGE AREA
- HIGH POINT
- LOW POINT
- 62.7TC — PROP. TOP OF CB. ELEV.
- 62.2PV — PROP. PAVEMENT ELEV. (PROP. SPOT ELEV.)
- 3936 — EXISTING GRADE
- 64 — PROP. CONTOUR ELEVATION

BENCHMARKS
VERTICAL DATUM IS CITY AS PER NATIONAL GEODETIC SURVEY MARKER "B 13837", PID# CE0410 NAVD 88 ELEVATION: 4013.41
HORIZONTAL DATUM IS NAD 83 CITY DATUM ELEVATION: 4002.98

DATE	REVISIONS	BY
08-31-2007	Revise postage as per revised plat.	E.F.G.
02-08-2008	City Redlines as per 02-04-2008.	E.F.G.

PROJECT NAME
MESQUITE HILLS UNIT TWO

BEING A PORTION OF TRACT 6, SECTION 16, PORTION OF TRACTS 1D AND 1E, SECTION 17, AND PORTION OF TRACTS 1A, 2, AND 3A, SECTION 21, BLOCK 80, TSP 1, TEXAS AND PACIFIC RAILROAD Co. SURVEYS, AND PORTION OF MESQUITE HILL DRIVE, MESQUITE HILLS, CITY OF EL PASO, EL PASO COUNTY, TEXAS
CONTAINING: 73.654 ACRES

SCALE
Horiz: 1"=100'
Vert: ---
DATE: MAY 2007
DESIGN BY: F.C.
INITIATED BY: E.F.G.
CHKD. BY: F.C.
JOB NO.: 1108-06

ENGINEER'S SEAL
STATE OF TEXAS
FRANCISCO CAMPA
99191
LICENSED PROFESSIONAL ENGINEER

CONDE INC.
ENGINEERING / PLANNING
SURVEYING / GPS
1790 LEE TREVINO DR. STE 400
EL PASO, TEXAS 79936

CONDE INC.

SHEET TITLE
DRAINAGE PLAN

SHT 11 OF 59

MESQUITE HILLS UNIT TWO

103096

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SCALE: 1"=100'

DRAINAGE AREA	AREA (AC)	Tc MIN.	C	I IN/HR	Q 50yr CFS
I	0.09	6.00	0.90	3.11	0.25
II	4.90	7.00	0.90	5.25	23.13
III	0.29	7.00	0.90	5.25	1.36
IV	10.16	27	0.6	3.33	20.29
V	9.16	26	0.55	3.41	17.18
VI	10.46	26	0.55	3.41	19.62
VII	18.48	26	0.6	3.41	37.82
VIII	9.83	26	0.6	3.41	20.10
IX	6.02	27	0.6	3.33	12.02
OFFSITE 1	5.97	25	0.68	3.49	14.17
OFFSITE 2	7.04	27	0.68	3.33	15.94
FUTURE COMM.	10.04	12	0.85	4.75	40.54
PARK	1.18	SEE PARK CHART FOR CALC.			
POND A	1.88	SEE POND CHART FOR CALC.			
POND B	1.21	SEE POND CHART FOR CALC.			
TEMP POND	1.27	SEE POND CHART FOR CALC.			

FLOOD ZONE:
HEREON DESCRIBED TRACT LIES IN FLOOD ZONE C. COMMUNITY PANEL NO. 480214 0009D & PANEL NO. 480214 0015D SEPTEMBER 3, 1997

FOR STRUCT. No. 2 & 3 DETAILS SEE SHEET 47
FOR STRUCT. No. 4 DETAILS SEE SHEET 48

LEGEND

- DRAINAGE FLOW
- Q — RUN-OFF QUANTITY (CUBIC Ft/Sec)
- A — WATERSHED AREA (ACRES)
- PROP. DRAINAGE AREA
- HIGH POINT
- LOW POINT
- 62.7TC — PROP. TOP OF CB. ELEV.
- 62.2PV — PROP. PAVEMENT ELEV. (PROP. SPOT ELEV.)
- 39.36 — EXISTING GRADE
- 64 — PROP. CONTOUR ELEVATION

BENCHMARKS
VERTICAL DATUM IS CITY AS PER NATIONAL GEODETIC SURVEY MONUMENT "EPWU-PSTN 4" AND 88 ELEVATION: 4013.41
CITY DATUM CONVERSION: 10.429
CITY DATUM ELEVATION: 4002.98

NO.	DATE	REVISIONS	BY
1	08-31-2007	Revise package as per revised plat.	E.F.G.
2	02-08-2008	Revise package as per revised plat.	E.F.G.

PROJECT NAME

MESQUITE HILLS UNIT TWO

BEING A PORTION OF TRACT 6, SECTION 16, PORTION OF TRACTS 1D AND 1E, SECTION 17, AND PORTION OF TRACTS 1A, 2, AND 3A, SECTION 21, BLOCK 80, TSP 1, TEXAS AND PACIFIC RAILROAD SURVEY, CITY OF EL PASO, EL PASO COUNTY, TEXAS
MESQUITE HILLS, CITY OF EL PASO, EL PASO COUNTY, TEXAS
CONTAINING: 73.854 ACRES

SCALE
Horiz: 1"=100'
Vert: ---
DATE: MAY 2007
DESIGN BY: F.C.
INITIATED BY: E.F.G.
CHKD BY: F.C.
JOB NO.: 1106-06

ENGINEER'S SEAL
STATE OF TEXAS
FRANCISCO CAMPA
99191
LICENSED PROFESSIONAL ENGINEER
SURVEYOR'S SEAL
STATE OF TEXAS
ROBERT D. POE
5152
REGISTERED PROFESSIONAL LAND SURVEYOR

CONDE INC.
ENGINEERING / PLANNING
SURVEYING / GPS
1790 LEE TREVINO DR. STE 400
EL PASO, TEXAS 79936
CONDE INC.

SHEET TITLE

DRAINAGE PLAN

SHT 12 OF 59

MESQUITE HILLS UNIT TWO

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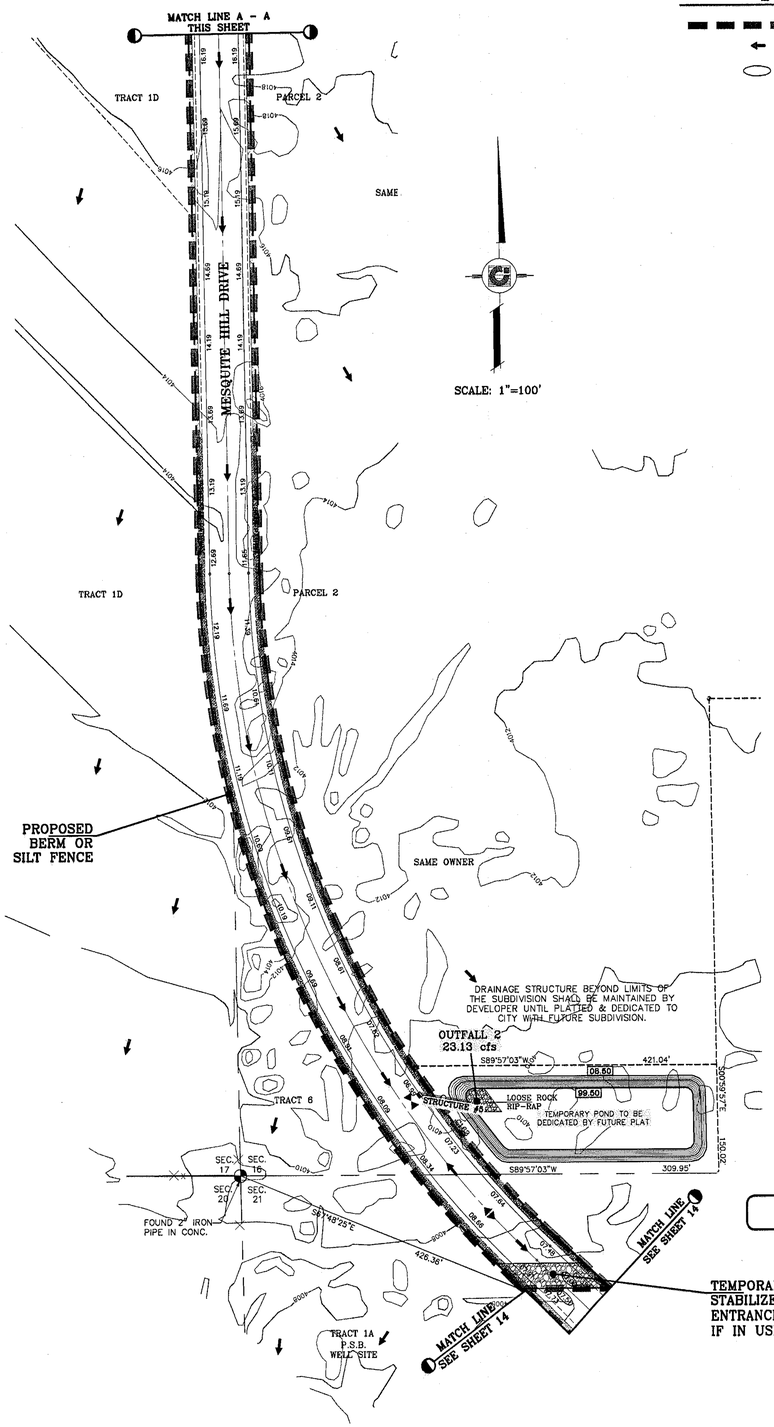
LEGEND

PROP. BERM OR SILT FENCE

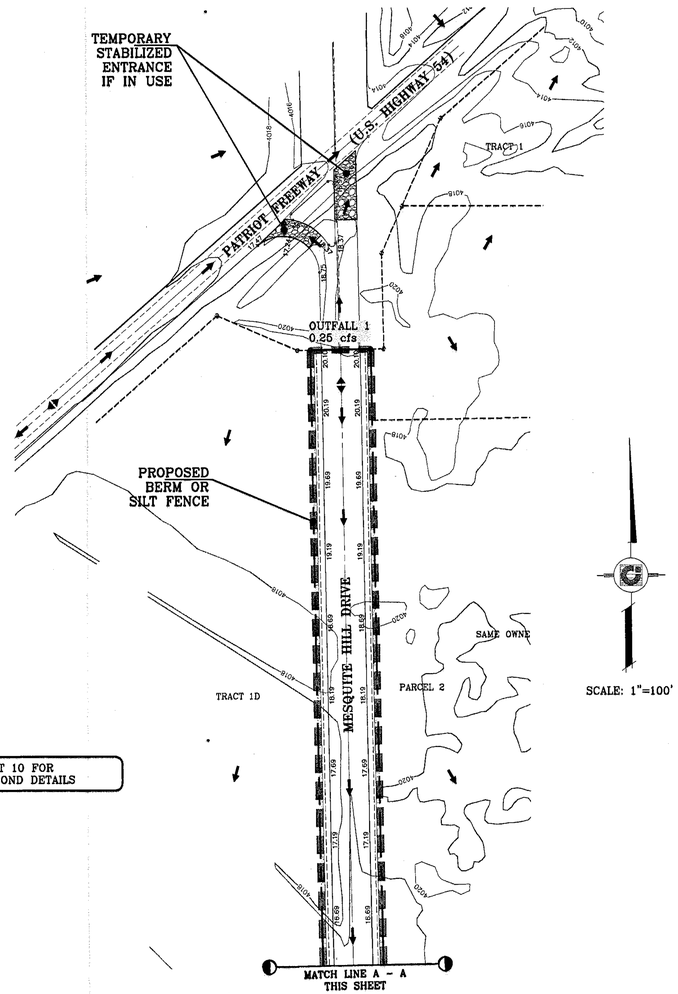
DRAINAGE FLOW

DENOTES AS BUILT CONDITIONS ONLY



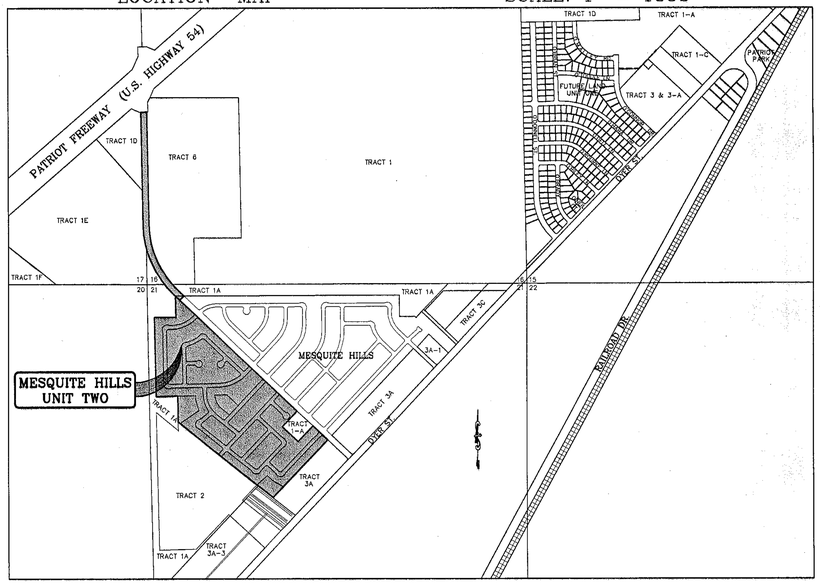
SCALE: 1"=100'

SEE SHEET 10 FOR TEMPORARY POND DETAILS



SCALE: 1"=100'

LOCATION MAP SCALE: 1" = 1000'



BENCHMARKS
VERTICAL DATUM IS CITY AS PER NATIONAL GEODETIC SURVEY
MARK: PK NAIL SET IN CONC. MON. NGS DESIGNATION: 401.541
CITY DATUM CONVERSION: 10.429
CITY DATUM ELEVATION: 4002.98

REVISIONS:	BY
08-31-2007 Revise package as per revised Plat.	E.F.G.
02-06-2008 City Redlines as per 02-04-2008.	E.F.G.

PROJECT NAME

MESQUITE HILLS UNIT TWO

BEING A PORTION OF TRACT 6, SECTION 16, PORTION OF TRACTS 1D AND 1E, SECTION 17, AND PORTION OF TRACTS 1A, 2, AND 3A, SECTION 21, BUCKNER BOUNDARY AND RANCHO SAN ELIZARIO, A PORTION OF SURVEYS 1, 2, AND 3, TOWNSHIP 1, TEXAS AND PACIFIC RAILROAD CO. SURVEYS, CITY OF EL PASO, EL PASO COUNTY, TEXAS
MESQUITE HILLS UNIT TWO, A PORTION OF MESQUITE HILL DRIVE
CONTAINING: 73.854 ACRES

SCALE
Horiz: 1"=100'
Vert: ---
DATE: MAY 2007
DESIGN BY: F.C.
INITIATED BY: E.F.G.
CHKD BY: F.C.
JOB NO.: 1105-06

ENGINEER'S SEAL
STATE OF TEXAS
FRANCISCO CAMPA
98191
LICENSED PROFESSIONAL ENGINEER

CONDE INC.
ENGINEERING / PLANNING
SURVEYING / GPS
1790 LEE TREVINO DR STE 400
EL PASO, TEXAS 79936
CONDE INC.

SHEET TITLE

STORMWATER POLLUTION PREVENTION PLAN

SHT 13 OF 59

103096

MESQUITE HILLS UNIT TWO

C:\Land Projects 2006\MESQUITE HILLS 2-RE\dwg\MH2-GDPL.dwg, SWPPP1, 3/7/2008 9:07:57 AM

NOTES:
1. SEE GRADING PLAN (SHEETS 5, 6 & 7) FOR STORM WATER DISCHARGE
2. T.P.D.E.S. PERMIT– AS REQUIRED BY CONTRACTOR
3. STORM WATER AS PER N.P.D.E.S. PERMIT

SEE SHEET 13 FOR LOCATION MAP

SCALE: 1"=100'

MATCH LINE SEE SHEET 13

MATCH LINE SEE SHEET 15

TEMPORARY STABILIZED ENTRANCE IF IN USE

PROPOSED BERM OR SILT FENCE

TRACT 1A

TRACT 1A P.S.B.W.R.O.W

TRACT 1A P.S.B. WELL SITE

TRACT 2

JERICHO TREE DR.

FALLING LEAF CIR.

BEDOUIN CT.

DAPLIN WAY

MESQUITE HILLS

MESQUITE TREE LN.

MESQUITE HILL DRIVE

MESQUITE LAKE LN.

COPPER NAIL LN.

SAGEBRUSH DR.

PARK

POND A

OUTFALL 3
88.56 cfs

OUTFALL 4
37.82 cfs

STRUCTURE #1

STRUCTURE #2

PROP. 18' WROUGHT IRON GATE W/ WARNING SIGN

PROPOSED BERM OR SILT FENCE

TEMPORARY STABILIZED ENTRANCE IF IN USE

PROPOSED SILT FENCE IS REQUIRED IF ROCKWALL IS NOT BUILT ADJACENT TO PARK AND IS TO BE MAINTAINED BY DEVELOPER

EROSION CONTROL NOTES

1. SILT FENCING OR TEMPORARY BERMS SHALL BE AT TIME OF CONSTRUCTION.
2. TEMPORARY SWALES AND DESILTING BASINS WILL BE PLACED WHERE NECESSARY IN ORDER TO CONVEY STORMWATER 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 SWEPT 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.

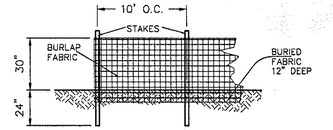
LEGEND

PROP. BERM OR SILT FENCE

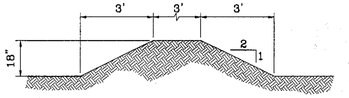
DRAINAGE FLOW

TEMPORARY DESILTING BASIN AT STRUCTURES

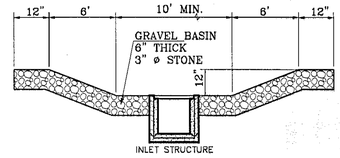
FOR STRUCT. No. 1 DETAILS SEE SHEET 46
FOR STRUCT. No. 2 DETAILS SEE SHEET 47



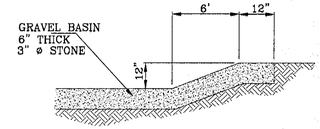
TYPICAL SILT FENCE
N.T.S.



TYPICAL BERM
1"=3'

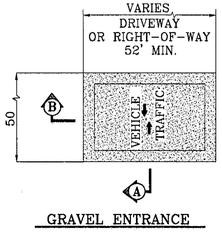


TEMPORARY STILLING BASIN AT STRUCTURES

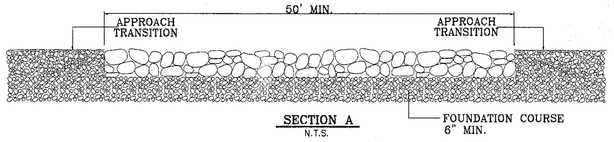


SECTION

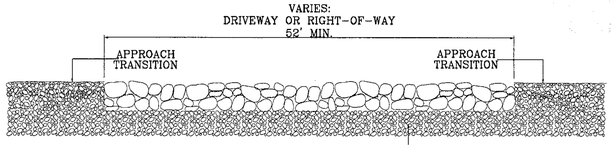
EROSION AND SEDIMENT CONTROLS
TEMPORARY STABILIZATION



GRAVEL ENTRANCE



SECTION A
N.T.S.



SECTION B
N.T.S.

BENCHMARKS
VERTICAL DATUM IS CITY AS PER NATIONAL GEODETIC SURVEY MARKER "B 1353" PID# CE0410 NAVD 88 ELEVATION: 4013.41
CITY BENCHMARK #102
CITY DATUM ELEVATION: 4002.98

DATE	REVISIONS	BY
06-21-2007	Revise package as per revised plat.	R.F.G.

SCALE
Horiz: 1"=100'
Vert: ---
DATE: MAY 2007
DESIGN BY: F.C.
INITIATED BY: R.F.G.
CHKD. BY: F.C.
JOB NO.: 1106-06

ENGINEER'S SEAL
RICHARD FRANCISCO CAMPA 99191 LICENSED PROFESSIONAL ENGINEER STATE OF TEXAS

PROJECT NAME

MESQUITE HILLS UNIT TWO

BEING A PORTION OF TRACT 6, SECTION 16, PORTION OF TRACTS 1D AND 1E, SECTION 17, AND PORTION OF TRACTS 1A, 2, AND 3A, SECTION 21, BLOCK 80, TSP 1, TEXAS AND PACIFIC RAILROAD Co. SURVEYS, AND PORTION OF MESQUITE HILL DRIVE, MESQUITE HILLS UNIT ONE, EL PASO COUNTY, TEXAS
CONTAINING: 73.854 ACRES

CONDE INC.
ENGINEERING / PLANNING
SURVEYING / GPS
1790 LEE TREVINO DR. STE 400
EL PASO, TEXAS 79936
CONDE INC.

SHEET TITLE

STORMWATER POLLUTION PREVENTION PLAN

SHT 14 OF 59

103096

MESQUITE HILLS UNIT TWO

103096

C:\Land Projects 2006\MESQUITE HILLS 2-RE\dwg\MH2-GDPL.dwg, SWPPP2, 3/7/2008 8:06:13 AM

MESQUITE HILLS UNIT TWO

BENCHMARKS

VERTICAL DATUM IS CITY AS PER NATIONAL GEODETIC SURVEY MARKER "B 1383", PID# CE0410 NAVD 88 ELEVATION: 4013.41
CITY DATUM CONVERSION: 10.429
CITY DATUM ELEVATION: 4002.98

DATE	REVISIONS	BY
08-31-2007	Revise package as per revised plat.	E.F.G.

PROJECT NAME

MESQUITE HILLS UNIT TWO

BEING A PORTION OF TRACT 6, SECTION 16, PORTION OF TRACTS 1D AND 1E, SECTION 17, AND PORTION OF TRACTS 1A, 2, AND 3A, SECTION 21, BLOCK 80, TSP 1, TEXAS AND PACIFIC RAILROAD Co. SURVEYS, AND PORTION OF MESQUITE HILL DRIVE, MESQUITE HILLS, CITY OF EL PASO, EL PASO COUNTY, TEXAS
CONTAINING: 73.854 ACRES

SCALE
Horiz: 1"=100'
Vert: --

DATE: MAY 2007
DESIGN BY: F.C.
INITIATED BY: E.F.G.
CHKD. BY: F.C.
JOB NO.: 1108-06

ENGINEER'S SEAL

STATE OF TEXAS
FRANCISCO CAMPA
99191
LICENSED PROFESSIONAL ENGINEER

CONDE INC.
ENGINEERING / PLANNING
SURVEYING / GPS
1790 LEE TREVINO DR. STE 400
EL PASO, TEXAS 79936

CONDE INC.

SHEET TITLE

STORMWATER POLLUTION PREVENTION PLAN

SHT 15 OF 59

103096

C:\Land Projects 2006\MESQUITE HILLS 2-RE\dwg\MH2-GDPL.dwg, SWPPP3, 3/7/2008 9:08:33 AM

SWPPP Coordinator Name: JOE CARRILLO

Phone Number: (915) 494-0867

Log of Activities available: SWPPP Coordinator.
Inspection Log available: SWPPP Coordinator
Schedule of Activities available: SWPPP Coordinator

SITE DESCRIPITON:
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 73.854 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 conduct the storm runoff via underground structures to a retention basin.

Interim stabilization measures are as follows: EARTHEN BERMS, STABILIZED CONSTRUCTION SITE EXIT, TEMPORARY ROCK 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 AREAS WITHIN SUBDIVISION

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
- [x] Asphalt
- [x] Concrete
- [ ] Paints
- [x] Curing Compounds
- [ ] Equip. cleaning wastewater
- [x] Hydraulic oil/fluids
- [ ] Gasoline
- [ ] Diesel Fuel
- [x] Antifreeze/Coolant

The Containment area for these items is located: AS SHOWN ON SWPPP

The Staging Area for this site is located: AS SHOWN ON SWPPP

The Portable Toilet for this site is located: AS SHOWN ON SWPPP

Non storm water discharges on site (checked items only).

- [x] Fire Hydrant Flushing
- [ ] Vehicle wash water
- [x] Dust Control water
- [x] Water line flushing water
- [ ] Landscape irrigation
- [ ] Pavement wash waters

All staging areas, portable toilets and pollutant areas will incorporate secondary containment measures such as berms or sediment traps/barriers.

CONSTRUCTION ACTIVITIES LOG		
ACTIVITIES	DATE	SIGNATURE

STORM WATER POLLUTION PREVENTION PLAN

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: ____________

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: **ROBERT F. FOSTER, INC.**

ROBERT F. FOSTER ADDRESS: **1790 N. LEE TREVINO DR.**

TITLE: **PRESIDENT** TELEPHONE: **(915) 595-2775**

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

NEWMAN RANCH PARTNERS, L.P.
BY: **NEWMAN RANCH PARTNERS, L.L.C., ITS GENERAL PARTNER**
DOUGLAS A. SCHWARTZ, MANAGER
OWNER: (NAME)

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

ESTIMATED BEGINNING CONSTRUCTION DATE: JULY 2007

1. BEGIN CONSTRUCTION/MOBILIZATION (5 DAYS)
2. INSTALL INITIAL STORMWATER POLLUTION PREVENTIONS (SWPP) MEASURES AS INDICATED ON SWPP PLAN (___DAYS)
3. CLEAR AND GRUB____________
4. SITE GRADING____________
5. PERFORM PERIODIC INSPECTIONS OF THE SWPP STRUCTURES, PERFORM MAINTENANCE AND REPLACEMENTS AS NEEDED (DURATION OF CONSTRUCTION).
6. EXCAVATION FOR SITE UTILITIES AND STORM SEWER ____________
7. CONSTRUCTION OF SITE IMPROVEMENTS AND STORM SEWER ____________
8. END CONSTRUCTION - FINAL STABILIZATION, DEMOBILIZATION, REMOVAL OF SWPPP CONTROLS, AND SUBMIT NOTICE OF TERMINATION.

ESTIMATED CONSTRUCTION COMPLETION DATE: JUNE 2008

BEST MANAGEMENT PRACTICES CONTROLS

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

II. HAZARDOUS WASTE
AT A MINIMUM, ANY PRODUCTS IN THE FOLLOWING CATEGORIES SHALL BE CONSIDERED HAZARDOUS: PAINT, ACIDS FOR CLEANING MASONRY SURFACES, CLEANING SOLVENTS, ASPHALT PRODUCTS, CHEMICAL ADDITIVES FOR SPILL 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 TNRCC.

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

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

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

B. HAZARDOUS PRODUCTS:
PRACTICES USED TO REDUCE RISKS:
a. KEEP PRODUCTS IN THEIR ORIGINAL CONTAINER IF AT ALL POSSIBLE
b. RETAIN ORIGINAL LABELS, PRODUCT INFORMATION AND MATERIAL SAFETY DATA SHEETS (MSDS)
c. DISPOSE SURPLUS PRODUCT IN ACCORDANCE WITH MANUFACTURER'S OR LOCAL 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:
A. MANUFACTURER'S RECOMMENDED METHODS FOR SPILL CLEANUP SHALL BE CLEARLY POSTED AND SITE PERSONNEL SHALL BE MADE AWARE OF THE PROCEDURES.
B. MATERIALS AND EQUIPMENT NECESSARY FOR SPILL CLEANUP SHALL BE KEPT IN THE MATERIAL STORAGE AREA ON-SITE.
C. ALL SPILLS SHALL BE CLEANED UP IMMEDIATELY AFTER DISCOVERY.
D. SPILL AREA SHALL BE WELL VENTILATED AND APPROPRIATE CLOTHING WILL BE WORN.
E. ANY SPILL SHALL BE REPORTED TO THE APPROPRIATE GOVERNMENTAL AGENCY.
F. MEASURES SHALL BE TAKEN TO PREVENT A SPILL FROM REOCCURRING

VI. MAINTENANCE AND INSPECTION PROCEDURES
ALL POLLUTION PREVENTION MEASURES SHALL BE INSPECTED AT LEAST ONCE A MONTH 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 OR STREAM BEDS. CONSTRUCTION STAGING AREAS AND VEHICLE MAINTENANCE AREAS SHALL BE CONSTRUCTED BY THE CONTRACTOR IN A MANNER TO MINIMIZE THE RUNOFF OF POLLUTANTS.

BENCHMARKS
VERTICAL DATUM IS CITY AS PER NATIONAL GEODETIC SURVEY MARKER "B 1383", PID# CE0410 NAVD 88 ELEVATION: 4013.41
CITY DATUM CONVERSION: 10.429
CITY DATUM ELEVATION: 4002.98

DATE	REVISIONS	BY

PROJECT NAME
MESQUITE HILLS UNIT TWO
BEING A PORTION OF TRACT 6, SECTION 16, PORTION OF TRACTS 1D AND 1E, SECTION 17, AND PORTION OF TRACTS 1A, 2, AND 3A, SECTION 21, BLOCK 80, TSP 1, TEXAS AND PACIFIC RAILROAD Co. SURVEYS, AND PORTION OF MESQUITE HILL DRIVE, MESQUITE HILLS, CITY OF EL PASO, EL PASO COUNTY, TEXAS
CONTAINING: 73.854 ACRES

SCALE
Horiz: AS SHOWN
Vert:
DATE: MAY 2007
DESIGN BY: F.C.
INITIATED BY: E.F.G.
CHKD. BY: F.C.
JOB NO.: 1106-06

ENGINEER'S SEAL
STATE OF TEXAS
FRANCISCO CAMPA
99191
LICENSED
PROFESSIONAL ENGINEER

CONDE INC.
ENGINEERING / PLANNING
SURVEYING / GPS
1790 LEE TREVINO DR. STE 400
EL PASO, TEXAS 79936

CONDE INC.

SHEET TITLE
STORMWATER POLLUTION PREVENTION PLAN

103096

MESQUITE HILLS UNIT TWO

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CURVE TABLE						
CURVE	RADIUS	LENGTH	TANGENT	CHORD	BEARING	DELTA
C153	1350.00	1076.99	569.00	1046.66	S23°50'58"E	45°42'32"

DENOTES AS BUILT CONDITIONS ONLY

SEE SHEET 18 & 53 FOR JOGGING PATH DETAILS

SEE SHEET L3-L6 FOR LANDSCAPE PLAN AND DETAILS

SEE SHEET 10 FOR TEMPORARY POND DETAILS

PROPOSED MESQUITE HILLS UNIT TWO

13

6 7

1 8

MESQUITE HILLS UNIT ONE

TRACT 1A

FUTURE DEVELOPMENT

TRACT 6

FUTURE DEVELOPMENT (SAME PROPERTY OWNER)

SEC. 20 SEC. 21 SEC. 17 SEC. 16

MATCH EXISTING TOP OF CURB

MATCH EXISTING PAVEMENT

6' JOGGING PATH

15' 27' 84' R.O.W. 27' 15'

BOUNDARY LINE

S46°42'14"E 100.86'

0+00 1+00.86

4007.73 4008.13 4007.24 4007.35 4007.66

PROP. 8' JOGGING PATH BY DEVELOPER

PROPOSED 6" CURB & GUTTER

MESQUITE HILL DR.

3+00 C153 4+00 5+00

2+00

4009.44 4008.36

INLET: 5-1 TYPE I-3 GRATE STA: 3+82.51

PIPE: 5-1 SIZE: 30 INCH

MH: 5-1 SIZE: 72 INCH

PIPE: 5-2 SIZE: 30 INCH

S80°35'49"E 80.36'

4008.50 3999.50

SECTION LINE

TEMPORARY POND

LOOSE ROCK RIP-RAP

STUB OUT 5-1

MATCH LINE 5+50 SHEET 18 OF 59

115' TRANS. FROM 1% CROWN TO SUPERELEVATED SECTION

SCALE: 1"=30'

BENCHMARKS

VERTICAL DATUM IS CITY AS PER NATIONAL GEODETIC SURVEY MARKER "B 1383," PID# CE0410 NAVD 88 ELEVATION: 4013.41 CITY DATUM CONVERSION: 1,000.00

CITY DATUM ELEVATION: 4002.59

DATE	REVISIONS	BY
05-30-2007	Revise package as per revised plat.	E.F.G.
02-04-2008	City Redlines as per 02-04-2008.	E.F.G.
03-05-2008	City Redlines as per 03-05-2008.	E.F.G.

PROJECT NAME

MESQUITE HILLS UNIT TWO

BEING A PORTION OF TRACT 6, SECTION 16, PORTION OF TRACTS 1D AND 1E, SECTION 17, AND PORTION OF TRACTS 1A, 2, AND 3A, SECTION 21, BLOCK 80, TSP 1, TEXAS AND PACIFIC RAILROAD Co. SURVEYS, AND PORTION OF MESQUITE HILL DRIVE, MESQUITE HILLS, CITY OF EL PASO, EL PASO COUNTY, TEXAS CONTAINING: 73.854 ACRES

SCALE
Horiz: 1"=50'
Vert: 1"=10'

DATE: MAY 2007
DESIGN BY: F.C.
INITIATED BY: E.F.G.
CHKD. BY: F.C.
JOB NO.: 1109-06

ENGINEER'S SEAL
FRANCISCO CAMPA
99191
LICENSED PROFESSIONAL ENGINEER
STATE OF TEXAS

CONDE INC.
ENGINEERING / PLANNING
SURVEYING / GPS
1790 LEE TREVINO DR. STE 400
EL PASO, TEXAS 79936

CONDE INC.

SHEET TITLE

STREET PLAN-PROFILE

MESQUITE HILL DR.

SHT 17 OF 59

MESQUITE HILLS UNIT ONE

MATCH EXISTING TOP OF CURB

160.00' VC
PVI STA = 1+75
PVI ELEV = 4009.18
A.D. = -1.92
K = 83.20
e = -0.38'

110.00' VC
PVI STA = 4+00
PVI ELEV = 4008.06
A.D. = 1.42
K = 77.35
e = 0.19'

EXISTING GROUND

PROPOSED TOP OF LEFT 6" CURB & GUTTER

0.66% 1.42% -0.50% 0.92%

PVI NO VC 0+72.63 4007.73 4007.73

PVC 0+95 4008.05 4006.4

PC 1+00.86 4008.13 4006.4

PVI 1+75 4008.58 4006.7 4008.65

HP 2+13.40 4008.89 4007.7 4008.88

PVT 2+55 4008.78 4008.1 4008.81

PVC 3+45 4008.31 4008.3 4008.33

LP 3+83.68 4008.24 4008.1 4008.25

PVT 4+55 4008.57 4005.3 4008.62

4009.9 4008.98

PVI NO VC 5+50 4009.44 4009.3

BOUNDARY LINE STA: 0+00.00

115' TRANS. FROM 1% CROWN TO SUPERELEVATED SECTION

0+50 1+65

PROPOSED 6" CURB & GUTTER SUPERELEVATED SECTION

MATCH LINE 5+50 SHEET 18 OF 59

MESQUITE HILLS UNIT ONE

MATCH EXISTING TOP OF CURB

160.00' VC
PVI STA = 1+75
PVI ELEV = 4008.04
A.D. = -1.00
K = 160.00
e = -0.20'

110.00' VC
PVI STA = 4+00
PVI ELEV = 4006.91
A.D. = 1.47
K = 75.03
e = 0.20'

EXISTING GROUND

PROPOSED TOP OF RIGHT 6" CURB & GUTTER

0.66% 0.50% -0.50% 0.97%

PVI NO VC 0+15.84 4007.35 4007.24

4006.5 4007.41

PVC 0+95 4007.84 4007.3

PC 1+00.86 4007.86 4007.3

HP 1+75 4007.84 4007.7 4007.82

4008.0 4007.82

PVT 2+55 4007.84 4008.6 4007.86

4009.1 4007.41

PVC 3+45 4007.16 4010.2 4007.19

LP 3+82.51 4007.09 4010.0 4007.11

PVT 4+55 4007.44 4009.5 4007.40

4009.8 4007.86

PVI NO VC 5+50 4008.36 4009.4

INLET: 5-1 TYPE I: 3 GRATE

4010 4000 3990

-1+00 0+00 1+00 2+00 3+00 4+00 5+00

MESQUITE HILLS UNIT TWO

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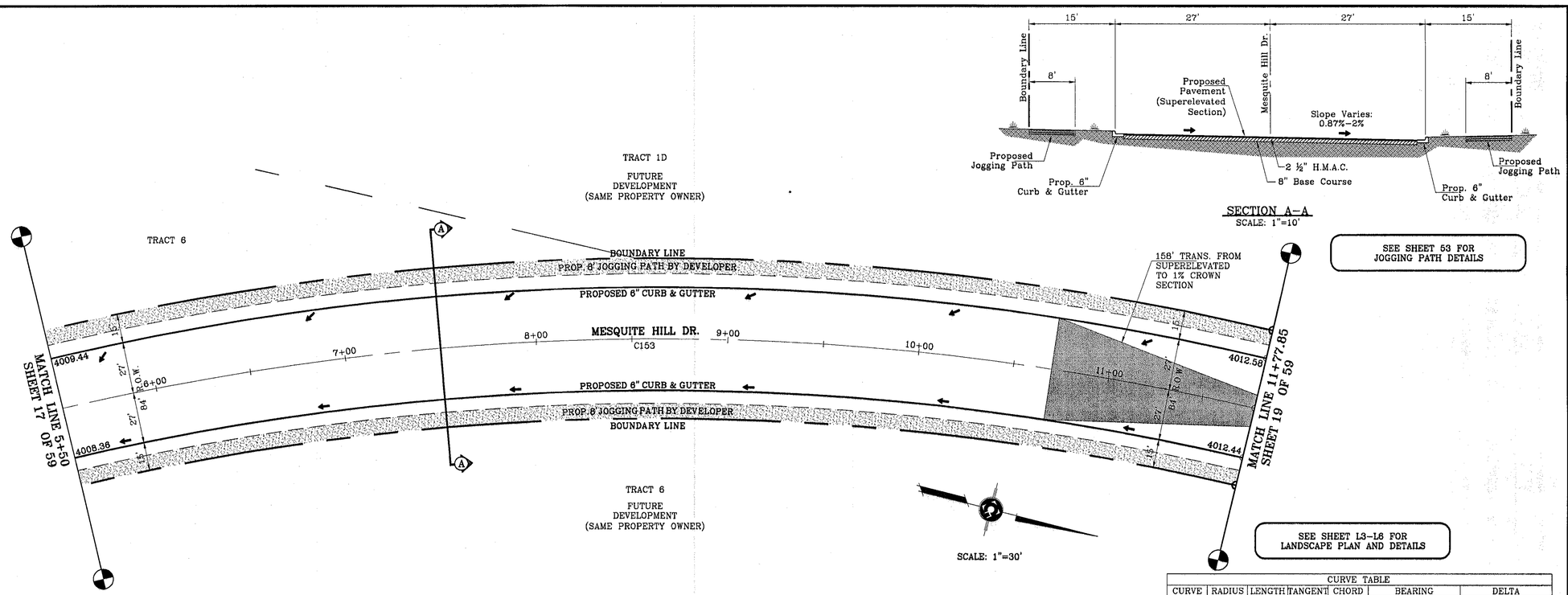
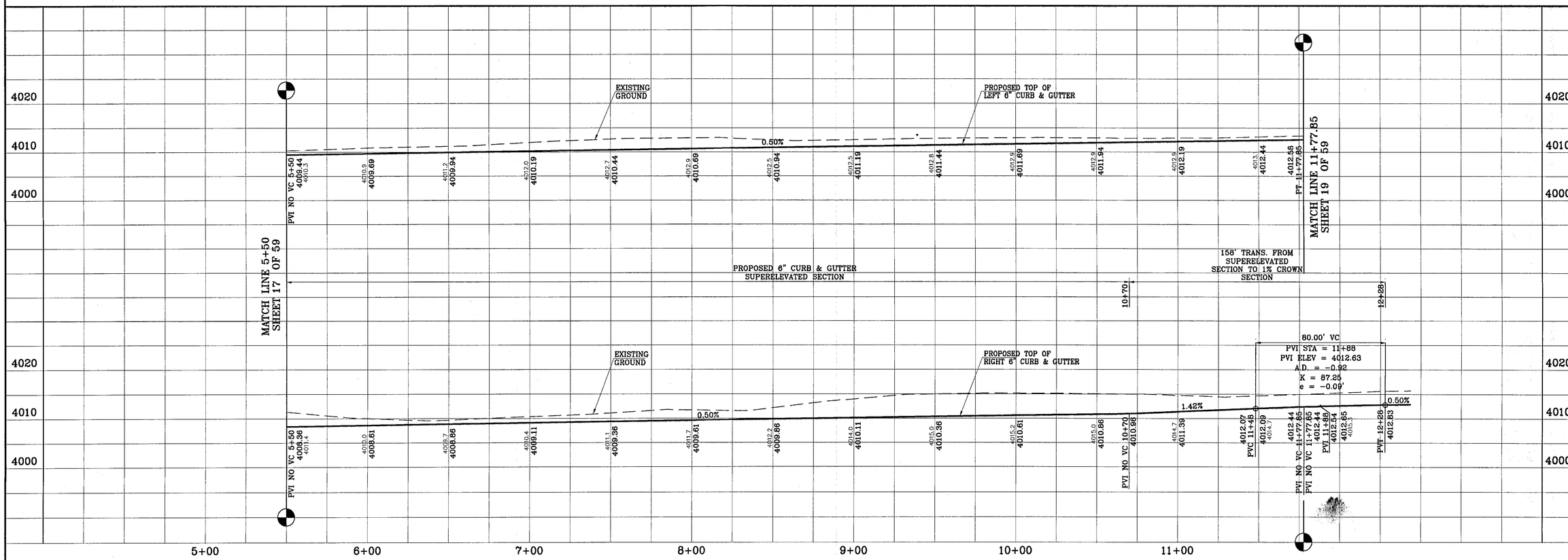


SEE SHEET 53 FOR JOGGING PATH DETAILS

SEE SHEET L3-L6 FOR LANDSCAPE PLAN AND DETAILS

CURVE TABLE						
CURVE	RADIUS	LENGTH	TANGENT	CHORD	BEARING	DELTA
C153	1350.00	1076.99	569.00	1048.66	S23°50'58"E	45°42'32"



MESQUITE HILLS UNIT TWO

BENCHMARKS

VERTICAL DATUM IS CITY AS PER NATIONAL GEODETIC SURVEY MARKER "B 1383", PID# CE0410 NAVD 88 ELEVATION: 4013.41
CITY DATUM CONVERSION: 10.429
CITY DATUM ELEVATION: 4002.98

DATE	REVISIONS	BY
08-30-2007	Revise package as per revised plat.	E.F.G.
02-08-2008	City Redlines as per 02-04-2008.	E.F.G.

PROJECT NAME

MESQUITE HILLS UNIT TWO

BEING A PORTION OF TRACT 6, SECTION 16, PORTION OF TRACTS 1D AND 1E, SECTION 17, AND PORTION OF TRACTS 1A, 2, AND 3A, SECTION 21, BLOCK 60, TSP 1, TEXAS AND PACIFIC RAILROAD Co. SURVEYS, AND PORTION OF MESQUITE HILL DRIVE, MESQUITE HILLS, CITY OF EL PASO, EL PASO COUNTY, TEXAS
CONTAINING: 73.854 ACRES

SCALE
Horiz: 1"=30'
Vert: 1"=10'

DATE: MAY 2007
DESIGN BY: F.C.
INITIATED BY: E.F.G.
CHKD. BY: F.C.
JOB NO.: 1106-06

ENGINEER'S SEAL

STATE OF TEXAS
FRANCISCO CAMPA
99191
LICENSED
PROFESSIONAL ENGINEER

CONDE INC.
ENGINEERING / PLANNING
SURVEYING / GPS
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EL PASO, TEXAS 79936

CONDE INC.

SHEET TITLE
STREET PLAN-PROFILE

MESQUITE HILL DR.

SHT 18 OF 59

103096

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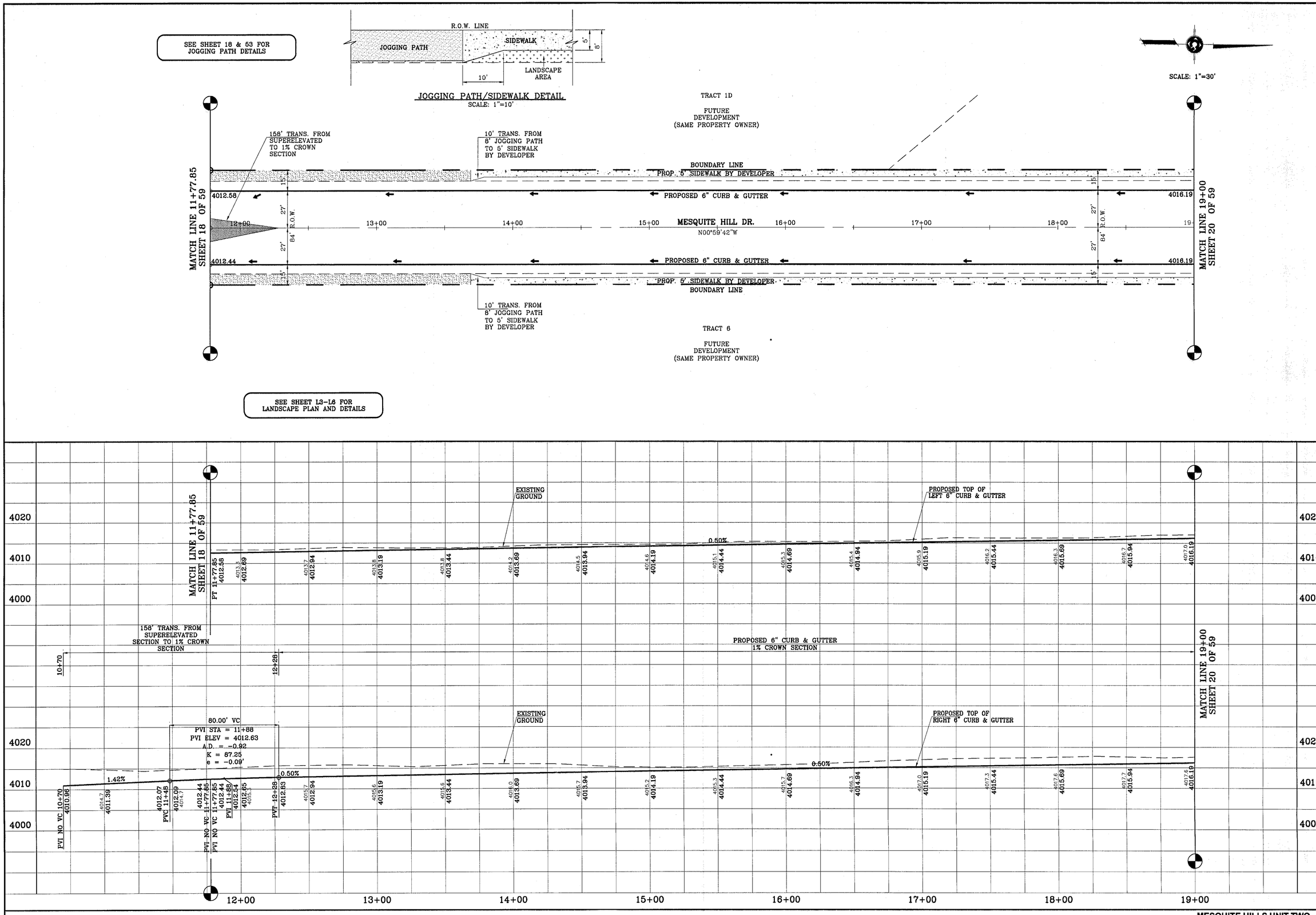

MESQUITE HILLS UNIT TWO

BENCHMARKS

VERTICAL DATUM IS CITY AS PER NATIONAL GEODETIC SURVEY MARKER "B 1383", PID# CE0410 NAVD 88 ELEVATION: 4013.41
CITY DATUM CONVERSION: 10.429
CITY DATUM ELEVATION: 4002.98

DATE	REVISIONS	BY
08-30-2007	Revise package as per revised plat.	E.F.G.
02-08-2008	City Redlines as per 02-04-2008.	E.F.G.

PROJECT NAME

MESQUITE HILLS UNIT TWO

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DATE: MAY 2007
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INITIATED BY: E.F.G.
CHKD. BY: F.C.
JOB NO.: 1106-06

ENGINEER'S SEAL
STATE OF TEXAS
FRANCISCO CAMPA
99191
LICENSED
PROFESSIONAL ENGINEER
03/07/08

CONDE INC.
ENGINEERING / PLANNING
SURVEYING / GPS
1790 LEE TREVINO DR. STE 400
EL PASO, TEXAS 79936

CONDE INC.

SHEET TITLE
STREET PLAN-PROFILE

MESQUITE HILL DR.

SHT 19 OF 59

103096

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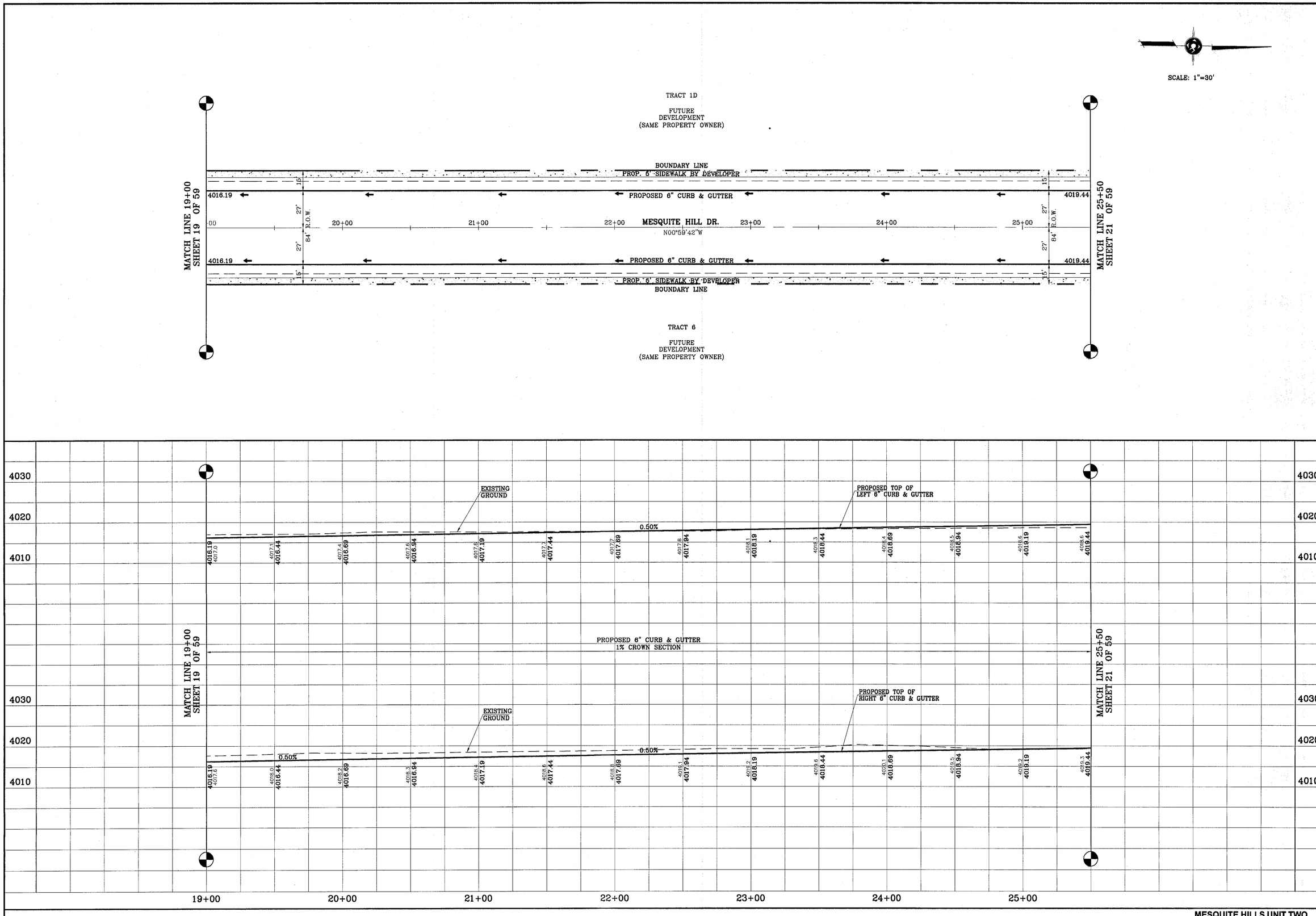

MESQUITE HILLS UNIT TWO

BENCHMARKS

VERTICAL DATUM IS CITY AS PER NATIONAL GEODETIC SURVEY MARKER "B 1383", PID# CE0410 NAVD 88 ELEVATION: 4013.41
CITY DATUM CONVERSION: 10.429
CITY DATUM ELEVATION: 4002.98

DATE	REVISIONS	BY
08-31-2007	Revise package as per revised plat.	E.F.G.

PROJECT NAME

MESQUITE HILLS UNIT TWO

BEING A PORTION OF TRACT 6, SECTION 16, PORTION OF TRACTS 1D AND IE, SECTION 17, AND PORTION OF TRACTS 1A, 2, AND 3A, SECTION 21, BLOCK 80, TSP 1, TEXAS AND PACIFIC RAILROAD Co. SURVEYS, AND PORTION OF MESQUITE HILL DRIVE, MESQUITE HILLS, CITY OF EL PASO, EL PASO COUNTY, TEXAS
CONTAINING: 73.854 ACRES

SCALE
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DATE: MAY 2007
DESIGN BY: F.C.
INITIATED BY: E.F.G.
CHKD. BY: F.C.
JOB NO.: 1106-06

ENGINEER'S SEAL
STATE OF TEXAS
FRANCISCO CAMPA
99191
LICENSED
PROFESSIONAL ENGINEER
06-01-08

CONDE INC.
ENGINEERING / PLANNING
SURVEYING / GPS
1790 LEE TREVINO DR. STE 400
EL PASO, TEXAS 79936

CONDE INC.

SHEET TITLE
STREET PLAN-PROFILE

MESQUITE HILL DR.

SHT 20 OF 59

103096

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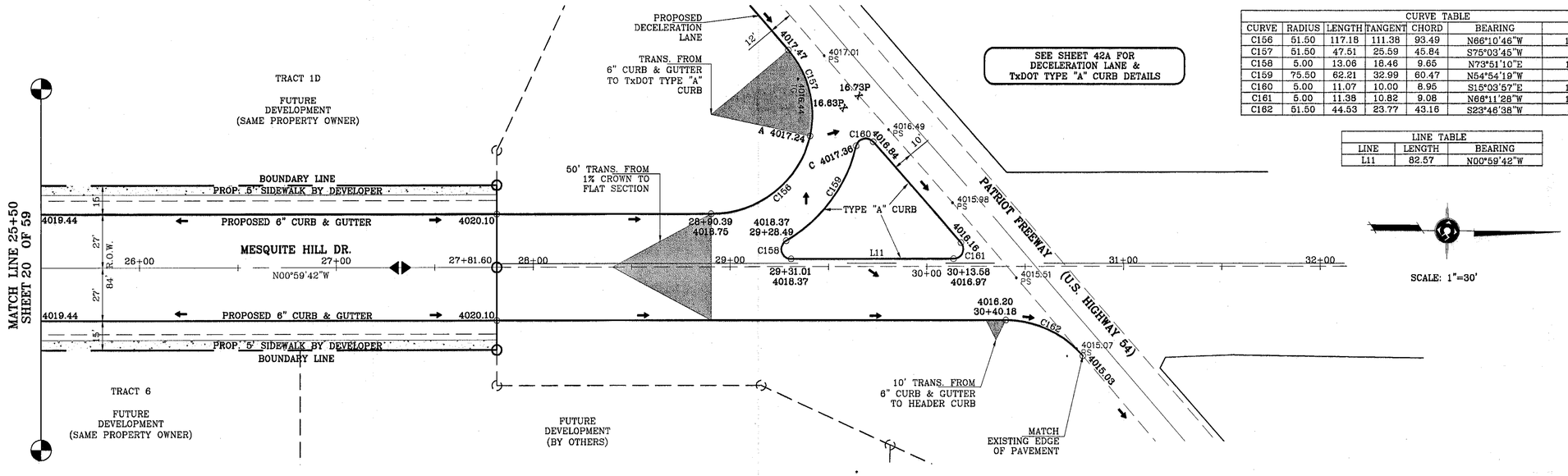
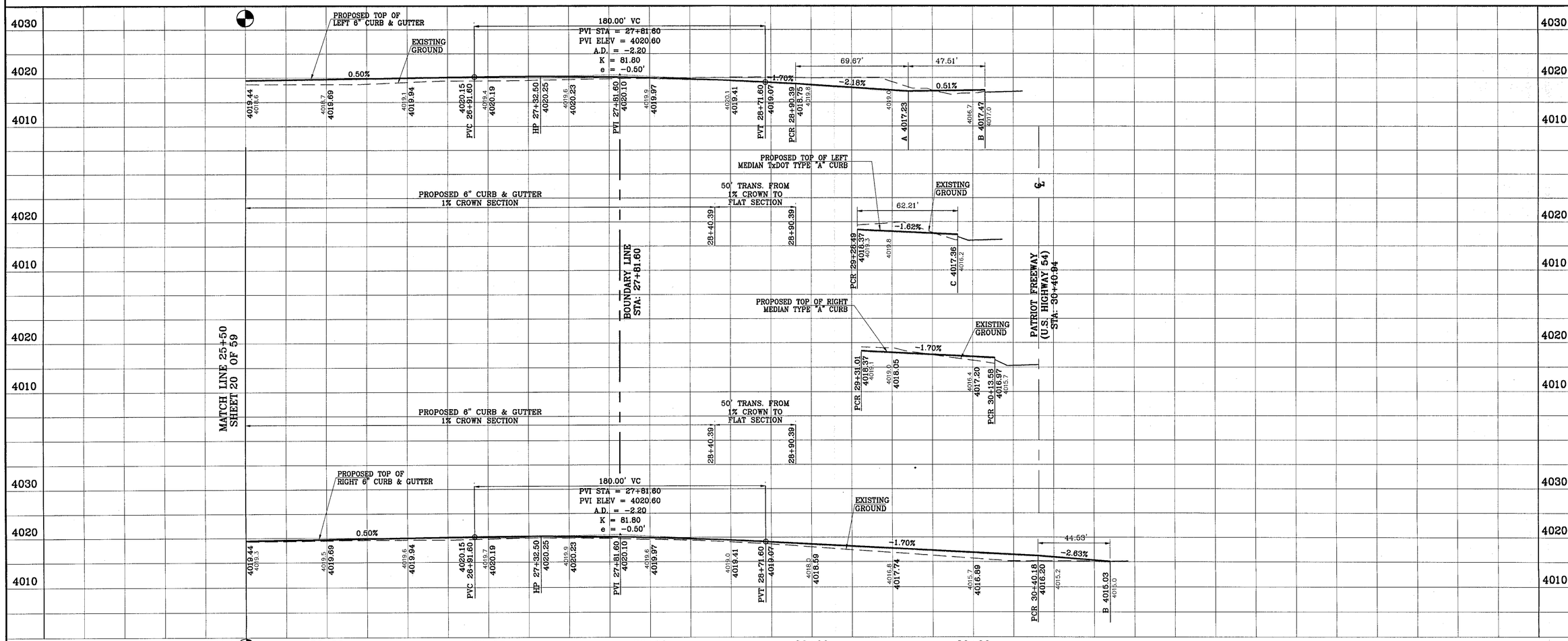


CURVE TABLE						
CURVE	RADIUS	LENGTH	TANGENT	CHORD	BEARING	DELTA
C156	51.50	117.18	111.38	93.49	N66°10'46"W	130°22'09"
C157	51.50	47.51	25.59	45.84	S75°03'45"W	52°51'12"
C158	5.00	13.06	18.46	9.65	N73°51'10"E	149°41'43"
C159	75.50	62.21	32.99	60.47	N54°54'19"W	47°12'40"
C160	5.00	11.07	10.00	8.95	S15°03'57"E	126°53'22"
C161	5.00	11.38	10.82	9.08	N66°11'28"W	130°23'33"
C162	51.50	44.53	23.77	43.16	S23°46'38"W	49°32'40"

LINE TABLE		
LINE	LENGTH	BEARING
L11	82.57	N00°59'42"W



BENCHMARKS
VERTICAL DATUM IS CITY AS PER NATIONAL GEODETIC SURVEY MARKER "B 138,3" PID# CE0413 NAVD 88 ELEVATION: 4013.41
MONUMENT "CONTROL 4002" PID# CE0414
CITY DATUM ELEVATION: 4002.98

DATE	REVISIONS	BY
08-31-2007	Revise package as per revised plat.	E.F.G.

PROJECT NAME
MESQUITE HILLS UNIT TWO
BEING A PORTION OF TRACT 6, SECTION 16, PORTION OF TRACTS 1D AND 1E, SECTION 17, AND PORTION OF TRACTS 1A, 2, AND 3A, SECTION 21, BLOCK 80, TSP 1, TEXAS AND PACIFIC RAILROAD Co. SURVEYS, AND PORTION OF MESQUITE HILL DRIVE, MESQUITE HILLS, CITY OF EL PASO, EL PASO COUNTY, TEXAS
CONTAINING: 73.854 ACRES

SCALE
Horiz: 1"=30'
Vert: 1"=10'
DATE: MAY 2007
DESIGN BY: F.C.
INITIATED BY: E.F.G.
CHKD. BY: F.C.
JOB NO.: 1109-06

ENGINEER'S SEAL
COMMONWEALTH OF KENTUCKY
FRANCISCO CAMPA
99191
LICENSED PROFESSIONAL ENGINEER
SURVEYOR

CONDE INC.
ENGINEERING / PLANNING
SURVEYING / GPS
1790 LEE TREVINO DR. STE 400
EL PASO, TEXAS 79936
CONDE INC.

SHEET TITLE
STREET PLAN-PROFILE
MESQUITE HILL DR.

SHT 21 OF 59

C:\Land Projects 2006\MESQUITE HILLS 2-REdwg\MH2-PP1-HILL.dwg, HILL5, 3/7/2008 8:17:03 AM

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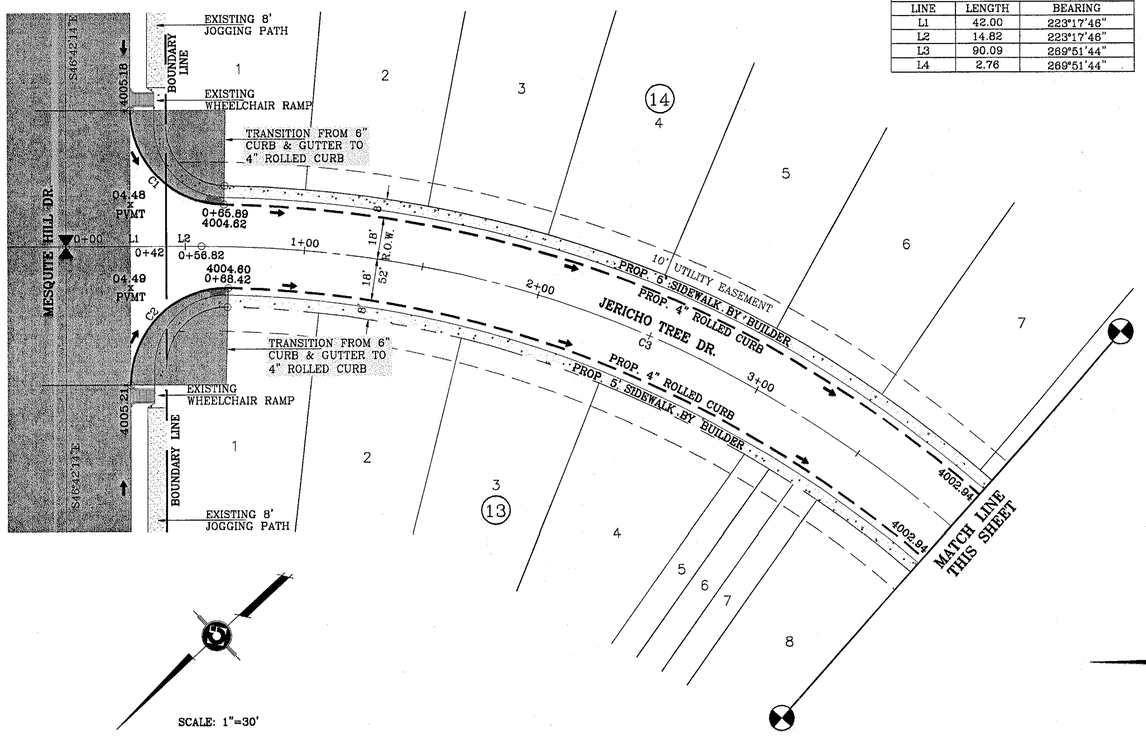
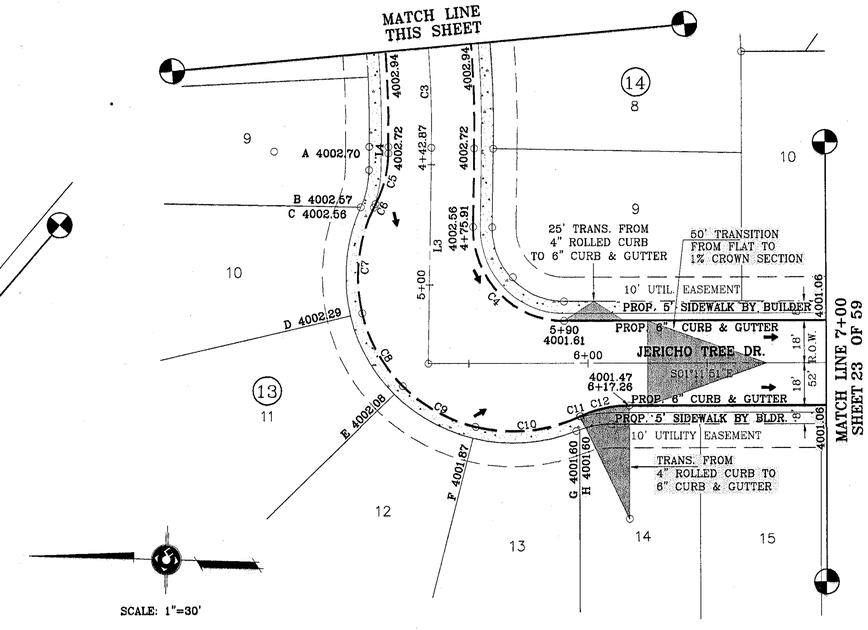
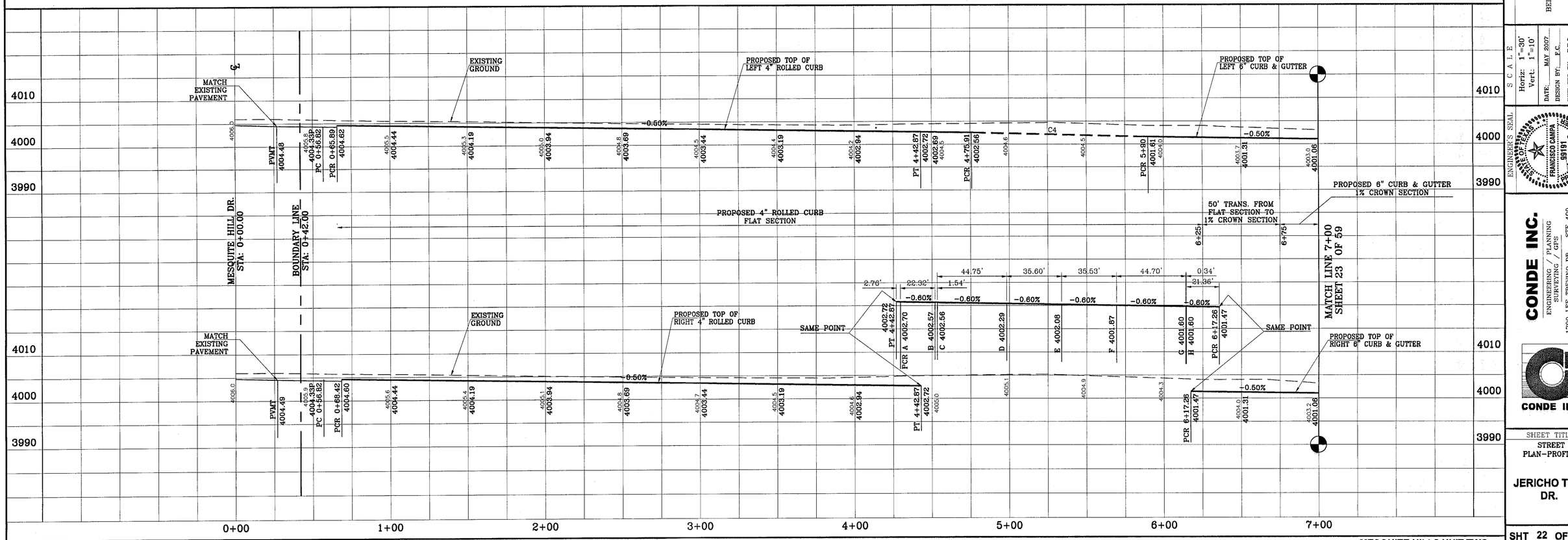
LINE TABLE		
LINE	LENGTH	BEARING
L1	42.00	223°17'46"
L2	14.82	223°17'46"
L3	90.09	269°51'44"
L4	2.76	269°51'44"

CURVE TABLE						
CURVE	RADIUS	LENGTH	TANGENT	CHORD	BEARING	DELTA
C1	40.00	62.07	39.24	56.03	268°50'36"	88°54'21"
C2	40.00	63.81	40.99	57.25	358°59'44"	91°23'54"
C3	475.00	386.05	204.40	375.51	66°34'45"	46°33'58"
C4	38.00	60.39	38.71	54.23	224°19'57"	91°03'35"
C5	48.00	22.32	11.37	22.12	103°11'05"	26°38'41"
C6	65.00	1.54	0.77	1.54	295°49'47"	1°21'17"

CURVE TABLE						
CURVE	RADIUS	LENGTH	TANGENT	CHORD	BEARING	DELTA
C7	65.00	44.75	23.30	43.87	275°25'53"	39°26'31"
C8	65.00	35.60	18.26	35.15	240°01'17"	31°22'41"
C9	65.00	35.53	18.22	35.09	208°40'22"	31°19'09"
C10	65.00	44.70	23.28	43.83	173°18'43"	39°24'11"
C11	65.00	0.34	0.17	0.34	153°27'40"	0°17'55"
C12	48.00	21.36	10.86	21.18	346°03'26"	25°29'27"







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BENCHMARKS
VERTICAL DATUM IS CITY AS PER NATIONAL GEODETIC SURVEY
MARKER "B 1383," PID# GE0410 NAVD 88 ELEVATION: 4013.41
CITY DATUM CONVERSION: 10.429
CITY DATUM ELEVATION: 4003.98

DATE	REVISIONS	BY

PROJECT NAME
MESQUITE HILLS UNIT TWO

BEING A PORTION OF TRACT 6, SECTION 16, PORTION OF TRACTS 1D AND 3A, SECTION 21, BLOCK 80, TSP 1, TEXAS AND PACIFIC RAILROAD CO. SURVEYS, AND PORTION OF MESQUITE HILL DRIVE, MESQUITE HILLS, CITY OF EL PASO, EL PASO COUNTY, TEXAS
CONTAINING: 73.854 ACRES

SCALE
Horiz: 1"=30'
Vert: 1"=10'
DATE: MAY 2007
DESIGN BY: F.C.
INITIATED BY: K.F.G.
CHKD. BY: F.C.
JOB NO.: 1108-06

ENGINEER'S SEAL
STATE OF TEXAS
FRANCISCO CAMPA
90191
LICENSED PROFESSIONAL ENGINEER

CONDE INC.
ENGINEERING / PLANNING
SURVEYING / GPS
1790 LEE TREVINO DR. STE 400
EL PASO, TEXAS 79936

CONDE INC.

SHEET TITLE
STREET PLAN-PROFILE

JERICHO TREE DR.

SHT 22 OF 59

MESQUITE HILLS UNIT TWO

103096

SCALE: 1"=30'

CURVE TABLE						
CURVE	RADIUS	LENGTH	TANGENT	CHORD	BEARING	DELTA
C13	38.00	59.70	38.01	53.74	133°47'55"	90°00'27"
C14	48.00	21.36	10.86	21.18	11°32'52"	25°29'27"
C15	65.00	23.18	11.71	23.06	194°04'39"	20°25'54"
C16	65.00	37.27	19.16	36.76	167°26'10"	32°51'04"
C17	65.00	35.56	18.24	35.12	135°20'22"	31°20'32"
C18	65.00	35.78	18.36	35.33	103°53'52"	31°32'27"
C19	65.00	29.47	14.99	29.22	75°08'20"	25°58'38"
C20	48.00	22.32	11.37	22.12	255°28'21"	26°38'41"

MATCH LINE 14+50
SHEET 24 OF 59

MATCH LINE 7+00
SHEET 22 OF 59

JERICHO TREE DR.
S01°11'51"E

MESQUITE LAKE LN.
N68°47'42"E

10' UTILITY EASEMENT
PROP. 5' SIDEWALK BY BUILDER
PROP. 6" CURB & GUTTER
4001.06
18' R.O.W.
52' R.O.W.
8+00 9+00 10+00 11+00 12+00 13+00 14+00
12+89.43
3998.10
13+29.22
3998.24
12+61.80
14+01.44
3997.16
14+32.11
3997.01
3996.92
STREET DIVISION LINE
NAME LINE
TRANS. FROM 6" CURB & GUTTER TO 4" ROLLED CURB
TRANS. FROM 4" ROLLED CURB TO 6" CURB & GUTTER
I 3997.94
J 3997.82
K 3997.63
L 3997.45
M 3997.27
N 3997.12
16 17 18 19 20 21 22 23 24 25 26 27 28
29 30 31 32

PROPOSED TOP OF LEFT 6" CURB & GUTTER
EXISTING GROUND
PROPOSED TOP OF RIGHT 6" CURB & GUTTER
-0.50%
PROPOSED 6" CURB & GUTTER FLAT SECTION
21.36' TRANS. FROM 6" CURB & GUTTER TO 4" ROLLED CURB RIGHT SIDE ONLY
22.32' TRANS. FROM 4" ROLLED CURB TO 6" CURB & GUTTER RIGHT SIDE ONLY
SAME POINT
21.36' 23.18' 37.27' 35.56' 35.78' 29.47' 22.32'
-1.39% -0.52% -0.51% -0.51% -0.50% -0.51% -0.51%
4010
4000
3990
7+00 8+00 9+00 10+00 11+00 12+00 13+00 14+00

BENCHMARKS
VERTICAL DATUM IS CITY AS PER NATIONAL GEODETIC SURVEY
MARKER "B 1383", PID# CE0410 NAVD 88 ELEVATION: 4013.41
CONVERSION TO CITY DATUM: -10.29
CITY DATUM ELEVATION: 4002.98

DATE	REVISIONS	BY

PROJECT NAME

MESQUITE HILLS UNIT TWO

BEING A PORTION OF TRACT 6, SECTION 16, PORTION OF TRACTS 1D AND 1E, SECTION 17, AND PORTION OF TRACTS 1A, 2, AND 3A, SECTION 21, BLOCK 80, TSP 1, TEXAS AND PACIFIC RAILROAD Co. SURVEYS, AND PORTION OF MESQUITE HILL DRIVE, MESQUITE HILLS, CITY OF EL PASO, EL PASO COUNTY, TEXAS
CONTAINING: 73.854 ACRES

SCALE
Horiz: 1"=30'
Vert. 1"=10'
DATE: MAY 2007
DESIGN BY: F.C.
INITIATED BY: E.F.G.
CHKD. BY: F.C.
JOB NO.: 1106-06

ENGINEER'S SEAL
STATE OF TEXAS
FRANCISCO CAMPA
95191
LICENSED PROFESSIONAL ENGINEER

CONDE INC.
ENGINEERING / PLANNING
SURVEYING / GPS
1790 LEE TREVINO DR. STE 400
EL PASO, TEXAS 79936

CONDE INC.

SHEET TITLE
STREET PLAN-PROFILE JERICHO TREE DR.
FROM STA: 7+00 TO STA: 13+29.22
MESQUITE LAKE LN.
FROM STA: 13+29.22 TO STA: 14+50.00

SHT 23 OF 59

MESQUITE HILLS UNIT TWO

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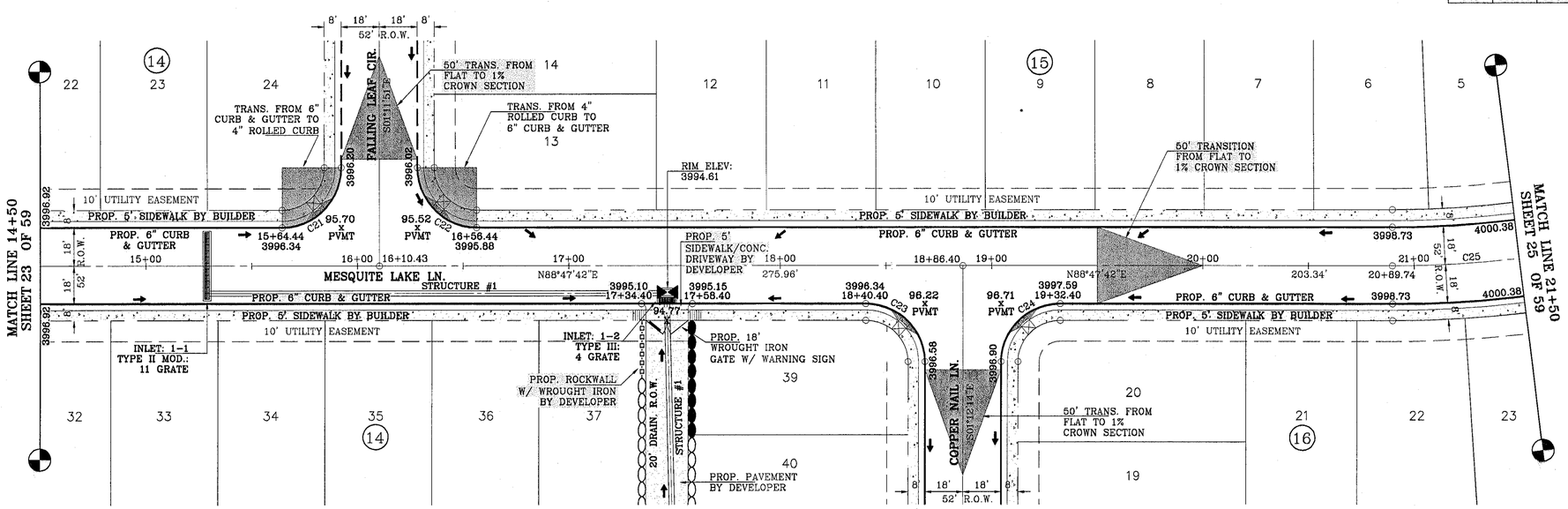
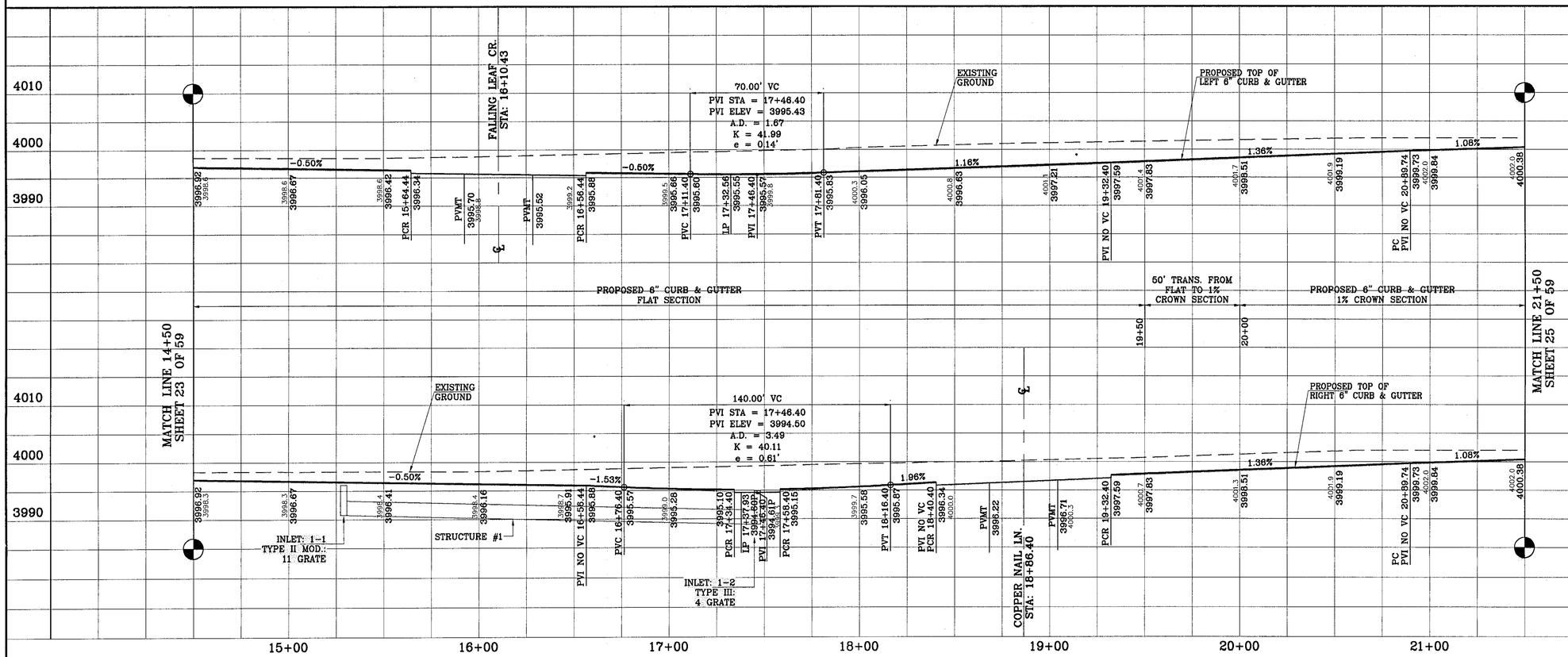
CURVE TABLE						
CURVE	RADIUS	LENGTH	TANGENT	CHORD	BEARING	DELTA
C21	28.00	43.98	28.00	39.60	43°47'55"	89°59'33"
C22	28.00	43.99	28.00	39.60	133°47'56"	90°00'27"
C23	28.00	43.98	28.00	39.60	313°47'44"	90°00'04"
C24	28.00	43.98	28.00	39.60	223°47'44"	89°59'56"
C25	500.00	384.98	202.60	375.54	66°44'13"	44°06'57"



SCALE: 1"=30'

SEE SHEET 46 FOR STRUCTURE #1 DETAILS

SEE SHEET 53 FOR WROUGHT IRON GATE & WROUGHT IRON/ROCKWALL DETAILS



BENCHMARKS
VERTICAL DATUM IS CITY AS PER NATIONAL GEODETIC SURVEY MARKER "B 1383," PID# CE0410 NAVD 88 ELEVATION: 4013.41
CITY DATUM CONVERSION: +1019.07
CITY DATUM ELEVATION: 4032.98

REVISIONS		BY
DATE		
02-06-2008	City Redlines as per 02-04-2008.	E.F.G.

PROJECT NAME

MESQUITE HILLS UNIT TWO

BEING A PORTION OF TRACT 6, SECTION 16, PORTION OF TRACTS 1D AND 1E, SECTION 17, AND PORTION OF TRACTS 1A, 2, AND 3A, SECTION 21, BLOCK 80, TSP 1, TEXAS AND PACIFIC RAILROAD Co. SURVEYS, AND PORTION OF MESQUITE HILL DRIVE, MESQUITE HILLS, CITY OF EL PASO, EL PASO COUNTY, TEXAS
CONTAINING: 73.854 ACRES

SCALE
Horiz: 1"=30'
Vert: 1"=10'
DATE: MAY 2007
DESIGN BY: F.C.
INITIATED BY: E.F.G.
CHKD. BY: F.C.
JOB NO.: 1109-06

ENGINEER'S SEAL
STATE OF TEXAS
FRANCISCO CAMPA
90191
LICENSED PROFESSIONAL ENGINEER

CONDE INC.
ENGINEERING / PLANNING
SURVEYING / GPS
1790 LEE TREVINO DR. STE 400
EL PASO, TEXAS 79936

SHEET TITLE
STREET PLAN-PROFILE

MESQUITE LAKE LN.

SHT 24 OF 59

103096

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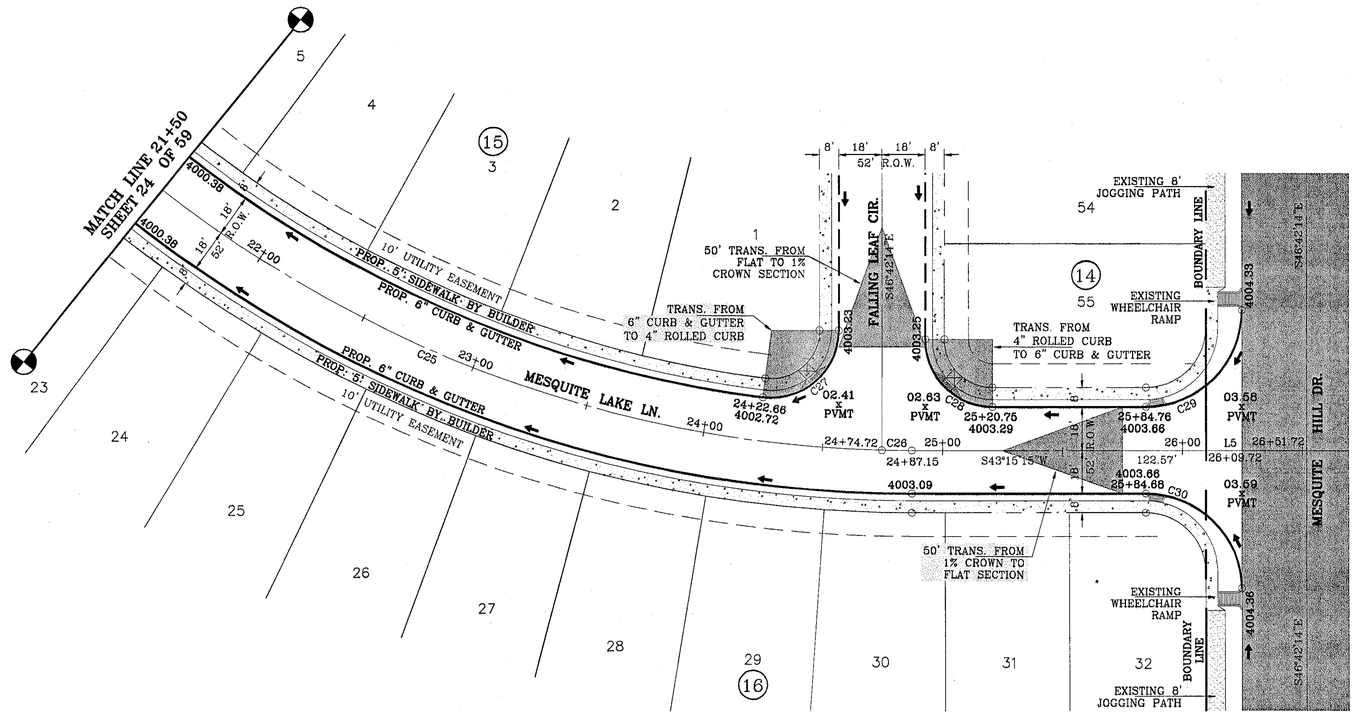
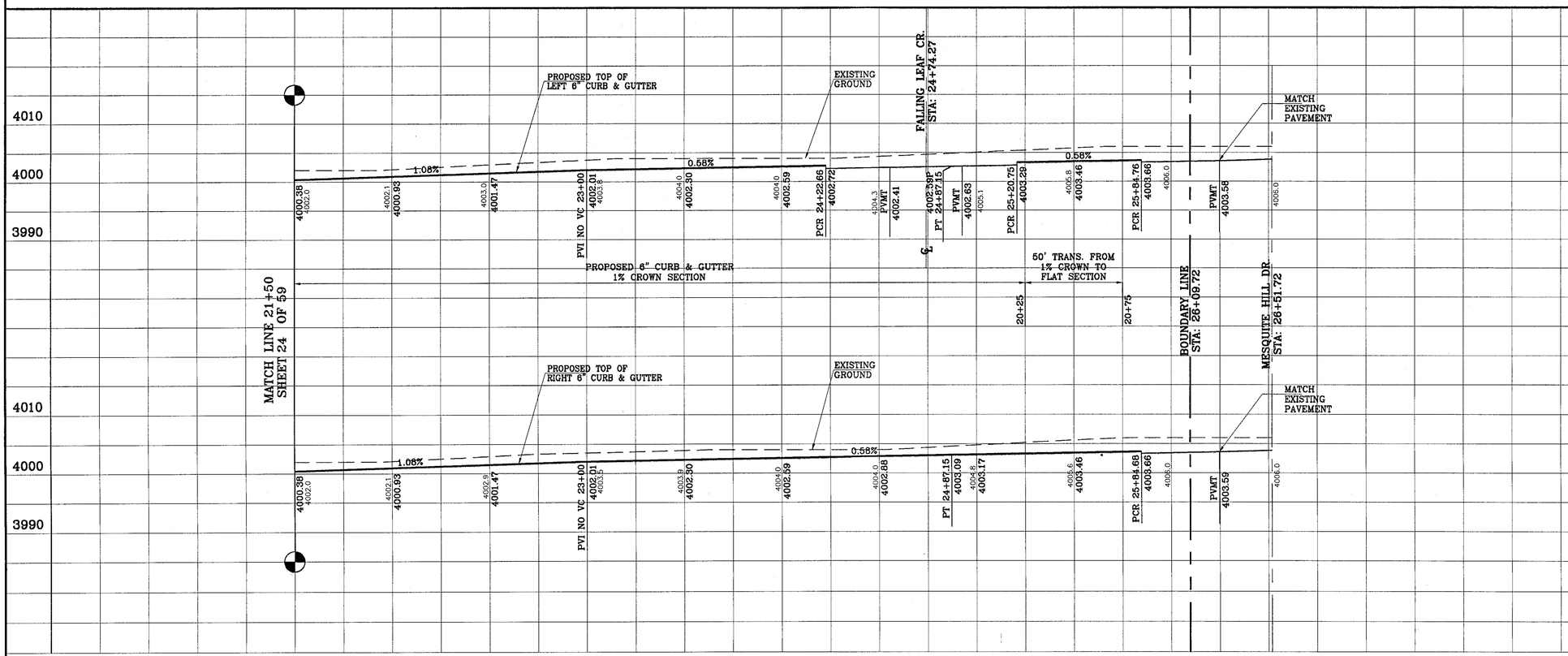


SCALE: 1"=30'

CURVE TABLE						
CURVE	RADIUS	LENGTH	TANGENT	CHORD	BEARING	DELTA
C25	500.00	384.98	202.60	375.54	66°44'13"	44°06'57"
C26	500.00	12.43	6.22	12.43	43°58'00"	1°25'29"
C27	28.00	47.57	31.84	42.05	01°58'13"	97°20'54"
C28	28.00	44.00	28.02	39.61	88°16'31"	90°02'31"
C29	40.00	62.80	39.97	56.55	358°16'31"	89°57'29"
C30	40.00	62.86	40.03	56.59	268°16'31"	90°02'31"

LINE TABLE		
LINE	LENGTH	BEARING
L5	42.00	43°15'15"



BENCHMARKS

VERTICAL DATUM IS CITY AS PER NATIONAL GEODETIC SURVEY MARKER "B 1383" PID# CE0410 NAVD 88 ELEVATION: 4013.41
HORIZONTAL DATUM IS NAD 83
CITY DATUM ELEVATION: 4002.58

DATE	REVISIONS	BY

PROJECT NAME

MESQUITE HILLS UNIT TWO

BEING A PORTION OF TRACT 6, SECTION 16, PORTION OF TRACTS 1D AND 1E, SECTION 17, AND PORTION OF TRACTS 1A, 2, AND 3A, SECTION 21, BLOCK 80, TSP 1, TEXAS AND PACIFIC RAILROAD Co. SURVEYS, AND PORTION OF MESQUITE HILL DRIVE, MESQUITE HILLS, CITY OF EL PASO, EL PASO COUNTY, TEXAS
CONTAINING: 73.854 ACRES

SCALE
Horiz: 1"=30'
Vert: 1"=10'
DATE: MAY 2007
DESIGN BY: F.C.
INITIATED BY: E.F.G.
CHKD. BY: F.C.
JOB NO.: 1105-06

ENGINEER'S SEAL
STATE OF TEXAS
FRANCISCO CAMPA
90191
LICENSED PROFESSIONAL ENGINEER

CONDE INC.
ENGINEERING / PLANNING
SURVEYING / GPS
1790 LEE TREVINO DR STE 400
EL PASO, TEXAS 79936

CONDE INC.

SHEET TITLE
STREET
PLAN-PROFILE

MESQUITE LAKE LN.

SHT 25 OF 59

MESQUITE HILLS UNIT TWO

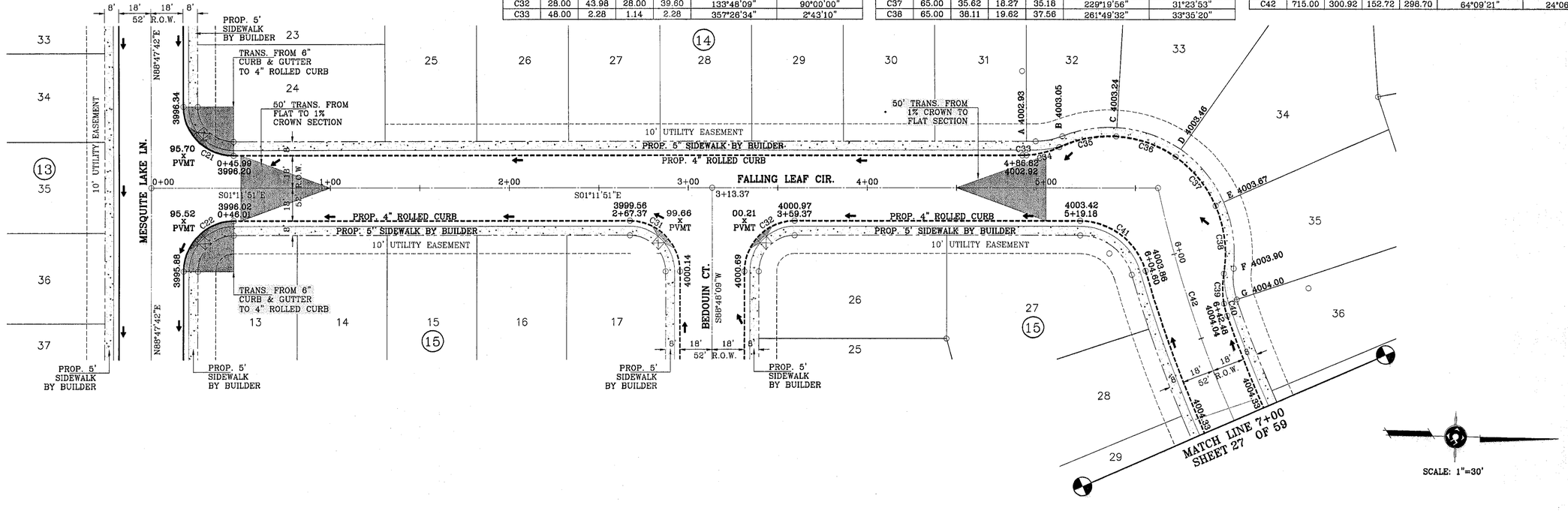
C:\Land Projects 2006\MESQUITE HILLS 2-RE\dwg\MH2-PP2-JERICHO-LAKE.dwg, JER-LAKE4, 3/7/2008 9:18:42 AM

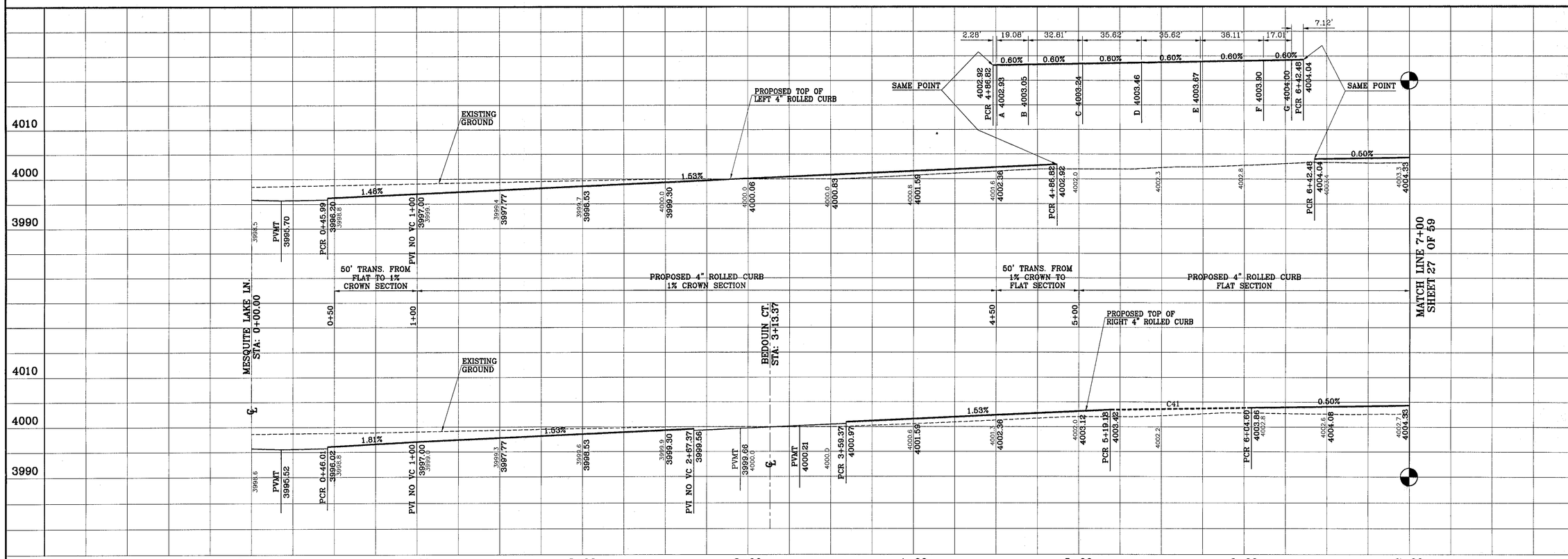
103096

CURVE TABLE						
CURVE	RADIUS	LENGTH	TANGENT	CHORD	BEARING	DELTA
C21	28.00	43.98	28.00	39.60	43°47'55"	89°59'33"
C22	28.00	43.99	28.00	39.60	133°47'55"	90°00'27"
C31	28.00	43.98	28.00	39.60	223°48'09"	90°00'00"
C32	28.00	43.98	28.00	39.60	133°48'09"	90°00'00"
C33	48.00	2.28	1.14	2.28	357°26'34"	2°43'10"

CURVE TABLE						
CURVE	RADIUS	LENGTH	TANGENT	CHORD	BEARING	DELTA
C34	48.00	19.08	9.67	18.95	344°41'51"	22°46'17"
C35	65.00	32.81	16.76	32.47	167°46'24"	28°55'24"
C36	65.00	35.62	18.27	35.18	197°56'03"	31°23'53"
C37	65.00	35.62	18.27	35.18	229°19'56"	31°23'53"
C38	65.00	38.11	19.62	37.56	261°49'32"	33°35'20"

CURVE TABLE						
CURVE	RADIUS	LENGTH	TANGENT	CHORD	BEARING	DELTA
C39	48.00	17.01	8.60	16.92	68°28'00"	20°18'25"
C40	48.00	7.12	3.56	7.11	74°03'58"	8°29'39"
C41	48.00	49.11	28.66	45.77	215°49'42"	74°03'06"
C42	715.00	300.92	152.72	298.70	64°09'21"	24°06'49"





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BENCHMARKS
VERTICAL DATUM IS CITY AS PER NATIONAL GEODETIC SURVEY
MARKER "B 1383," PID# CD1410 (NAVD 88 ELEVATION: 4013.41)
CITY DATUM CONVERSION: 10.429
CITY DATUM ELEVATION: 4002.98

DATE	DESCRIPTION OF REVISIONS	BY

PROJECT NAME

MESQUITE HILLS UNIT TWO

BEING A PORTION OF TRACT 6, SECTION 16, PORTION OF TRACTS 1D AND 1E, SECTION 17, AND PORTION OF TRACTS 1A, 2, AND 3A, SECTION 21, BLOCK 80, TSP 1, TEXAS AND PACIFIC RAILROAD SURVEYS, AND PORTION OF ABANDONED MILITARY ROAD, MESQUITE HILLS, CITY OF EL PASO, EL PASO COUNTY, TEXAS
CONTAINING: 73.854 ACRES

SCALE
Horiz: 1"=30'
Vert: 1"=10'
DATE: MAY 2007
DESIGN BY: F.C.
INITIATED BY: E.F.G.
CHKD. BY: F.C.
JOB NO.: 1106-06

ENGINEER'S SEAL
STATE OF TEXAS
FRANCISCO CAMPOS
115185
LICENSED PROFESSIONAL ENGINEER

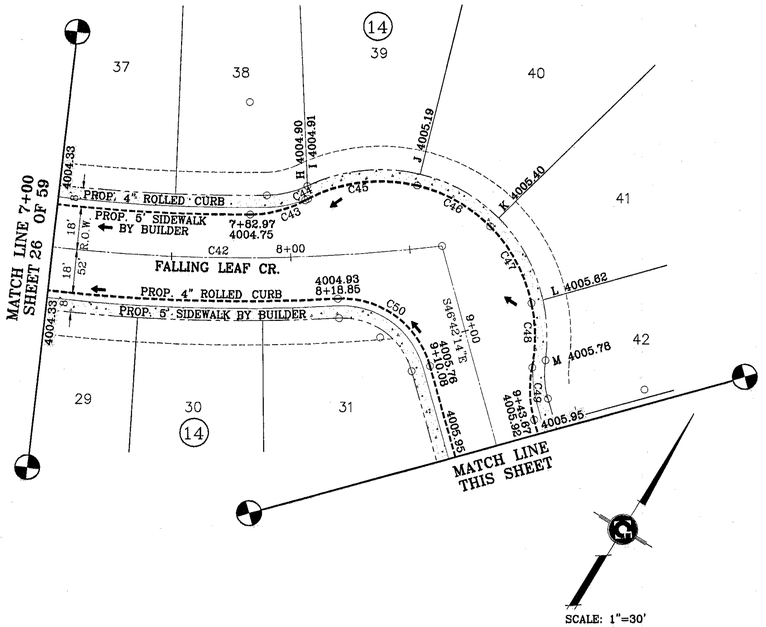
CONDE INC.
ENGINEERING / PLANNING
SURVEYING / GPS
1790 LEE TREVINO DR. STE 400
EL PASO, TEXAS 79936
CONDE INC.

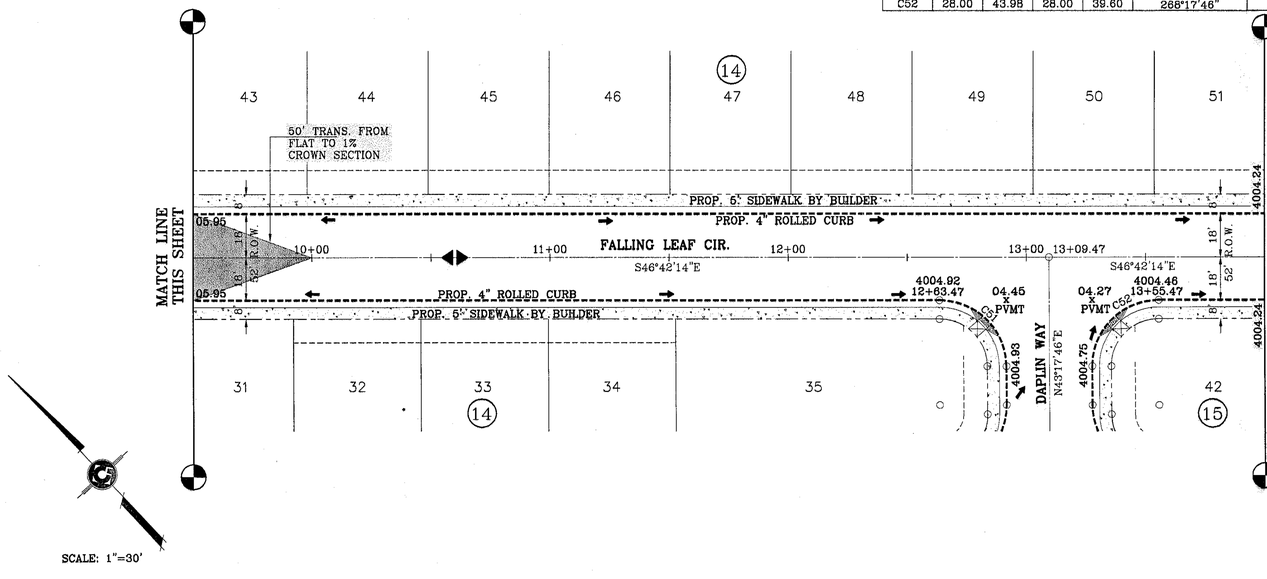
SHEET TITLE
STREET PLAN-PROFILE

FALLING LEAF CR.

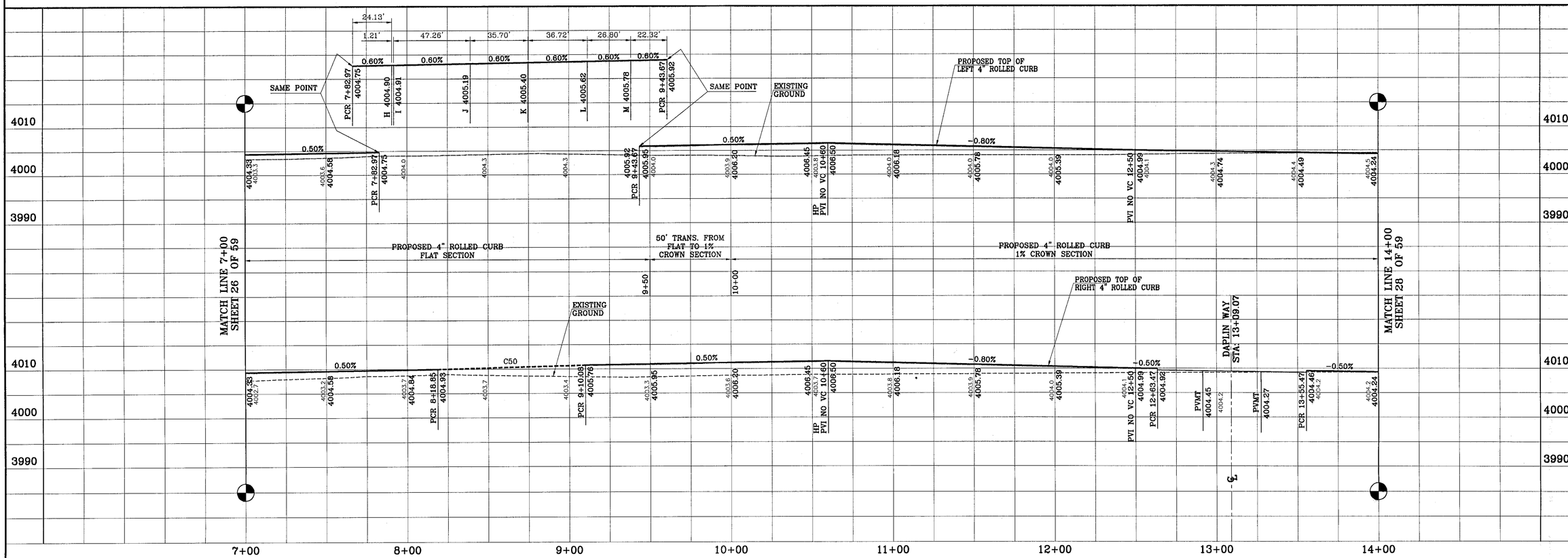
SHT 26 OF 59

103096





CURVE TABLE						
CURVE	RADIUS	LENGTH	TANGENT	CHORD	BEARING	DELTA
C42	715.00	300.92	152.72	298.70	64°09'21"	24°06'49"
C43	48.00	24.13	12.32	23.88	44°09'37"	28°48'04"
C44	65.00	1.21	0.61	1.21	210°17'40"	1°04'09"
C45	65.00	47.26	24.73	46.22	231°39'26"	41°39'25"
C46	65.00	35.70	18.31	35.25	268°13'08"	31°27'58"
C47	65.00	36.72	18.86	36.23	300°08'06"	32°21'55"
C48	65.00	26.80	13.59	26.61	328°07'45"	23°37'25"
C49	48.00	22.32	11.37	22.12	146°37'07"	26°38'41"
C50	38.00	51.47	30.56	47.63	274°29'27"	77°36'39"
C51	28.00	43.98	28.00	39.60	356°17'46"	90°00'00"
C52	28.00	43.98	28.00	39.60	266°17'46"	90°00'00"



BENCHMARKS
VERTICAL DATUM IS CITY AS PER NATIONAL GEODETIC SURVEY MARKER "B 1383", PID# CE0410 NAVD 88 ELEVATION: 4013.41
CITY DATUM CONVERSION: 10.429
CITY DATUM ELEVATION: 4003.98

DATE	REVISIONS	BY
02-05-2008	City Redlines as per 02-04-2008.	E.F.G.

PROJECT NAME

MESQUITE HILLS UNIT TWO

BEING A PORTION OF TRACT 6, SECTION 16, PORTION OF TRACTS 1D AND 1F, SECTION 17, PORTION OF TRACTS 1A & 2, AND 3A, SECTION 21, BLOCK 80, TSP 1, TEXAS AND PACIFIC RAILROAD Co. SURVEYS, AND PORTION OF MESQUITE HILL DRIVE, MESQUITE HILLS, CITY OF EL PASO, EL PASO COUNTY, TEXAS
CONTAINING: 73.854 ACRES

SCALE
Horiz: 1"=30'
Vert: 1"=10'
DATE: MAY 2007
DESIGN BY: F.G.
INITIATED BY: E.F.G.
CHKD. BY: F.G.
JOB NO.: 1105-06

ENGINEER'S SEAL
STATE OF TEXAS
FRANCISCO CAMPA
99191
LICENSED PROFESSIONAL ENGINEER

CONDE INC.
ENGINEERING / PLANNING
SURVEYING / GPS
1790 LEE TREVINO DR. SUITE 400
EL PASO, TEXAS 79936
CONDE INC.

SHEET TITLE
STREET PLAN-PROFILE

FALLING LEAF CR.

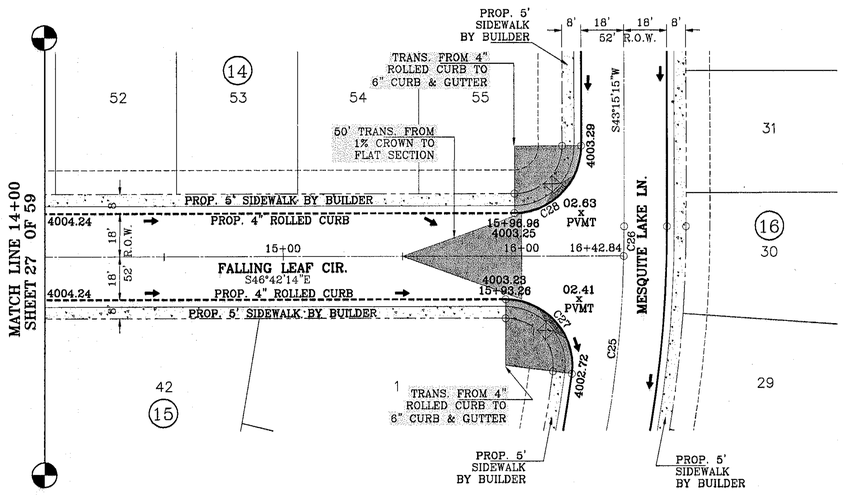
SHT 27 OF 59

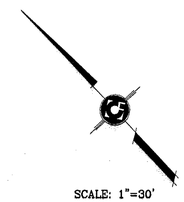
MESQUITE HILLS UNIT TWO

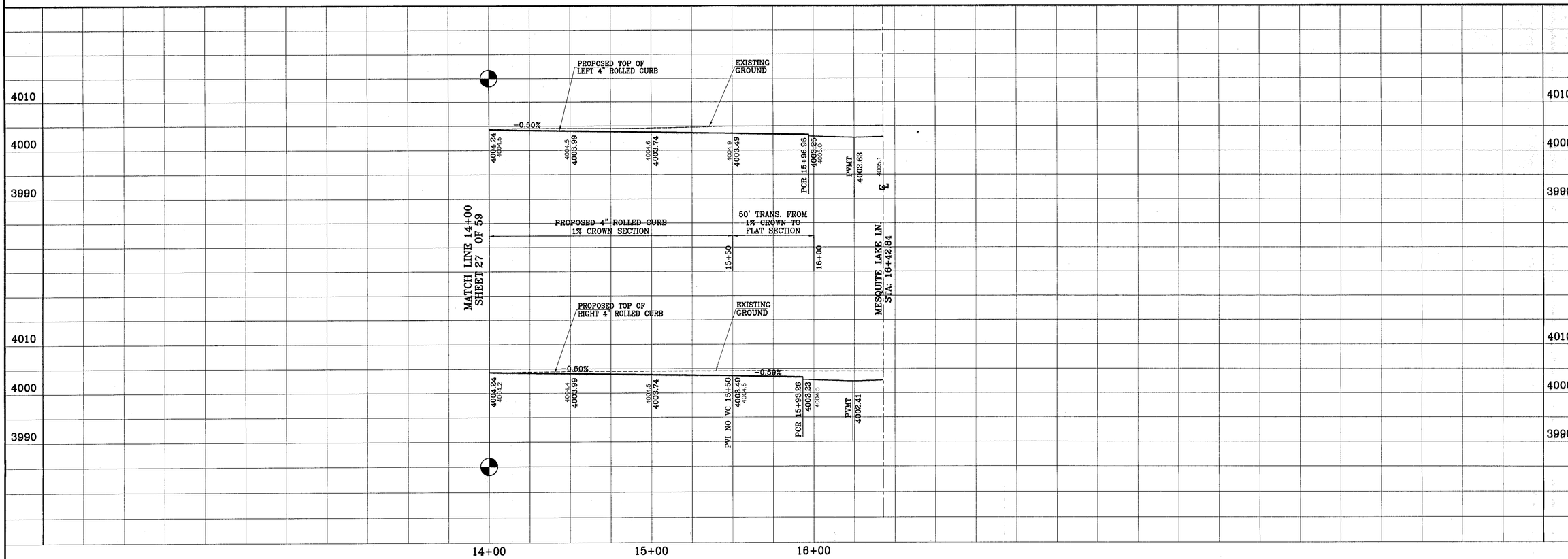
C:\Land Projects 2006\MESQUITE HILLS 2-REvit\jMH2-PP3-FALLING LEAF.dwg, LEAF2, 3/7/2008 9:18:50 AM

103096

CURVE TABLE						
CURVE	RADIUS	LENGTH	TANGENT	CHORD	BEARING	DELTA
C25	500.00	384.98	202.60	375.54	66°44'13"	44°06'57"
C26	500.00	12.43	6.22	12.43	43°58'00"	1°25'29"
C27	28.00	47.57	31.84	42.05	01°58'13"	97°20'54"
C28	28.00	44.00	28.02	39.61	88°16'31"	90°02'31"







MESQUITE HILLS UNIT TWO

BENCHMARKS
VERTICAL DATUM IS CITY AS PER NATIONAL GEODETIC SURVEY MARKER "B 1383", PID# CE0410 NAVD 88 ELEVATION: 4013.41
CITY DATUM CONVERSION: 10.429
CITY DATUM ELEVATION: 4002.98

DATE	REVISIONS	BY

PROJECT NAME

MESQUITE HILLS UNIT TWO

BEING A PORTION OF TRACT 6, SECTION 16, PORTION OF TRACTS 1D AND 1E, SECTION 17, AND PORTION OF TRACTS 1A, 2, AND 3A, SECTION 21, BLOCK 80, TSP 1, TEXAS AND PACIFIC RAILROAD Co. SURVEYS, AND PORTION OF MESQUITE HILL DRIVE, MESQUITE HILLS, CITY OF EL PASO, EL PASO COUNTY, TEXAS
CONTAINING: 73.854 ACRES

SCALE
Horiz: 1"=30'
Vert: 1"=10'
DATE: MAY 2007
DESIGN BY: F.C.
INITIATED BY: E.F.G.
CHKD. BY: F.C.
JOB NO.: 1106-06

ENGINEER'S SEAL
STATE OF TEXAS
FRANCISCO CAMPA
99191
LICENSED
PROFESSIONAL ENGINEER
03/07/08

CONDE INC.
ENGINEERING / PLANNING
SURVEYING / GPS
1790 LEE TREVINO DR. STE 400
EL PASO, TEXAS 79936

CONDE INC.

SHEET TITLE
STREET PLAN-PROFILE

FALLING LEAF CR.

SHT 28 OF 59

103096

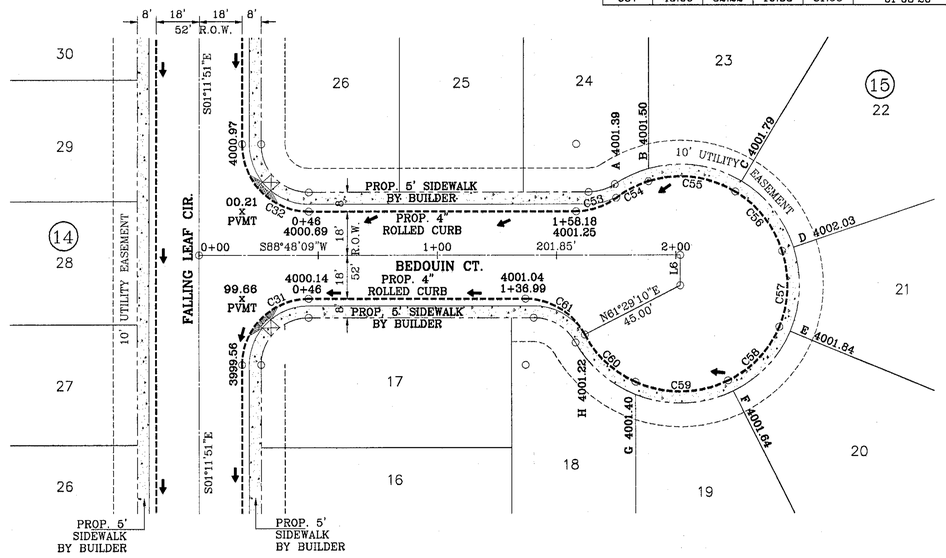
C:\Land Projects 2006\MESQUITE HILLS 2-RE\dwg\MH2-PP3-FALLING LEAF.dwg, LEAF3, 3/7/2008 9:20:10 AM

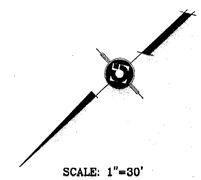
CURVE TABLE						
CURVE	RADIUS	LENGTH	TANGENT	CHORD	BEARING	DELTA
C31	28.00	43.98	28.00	39.60	223°48'09"	90°00'00"
C32	28.00	43.98	28.00	39.60	133°48'09"	90°00'00"
C51	28.00	43.98	28.00	39.60	358°17'46"	90°00'00"
C52	28.00	43.98	28.00	39.60	268°17'46"	90°00'00"
C53	28.00	17.95	9.30	17.65	70°25'59"	36°44'20"
C54	45.00	15.30	7.73	15.23	241°48'18"	19°28'59"
C55	45.00	37.76	20.07	36.66	275°35'01"	48°04'26"
C56	45.00	32.14	16.79	31.46	320°04'59"	40°55'32"
C57	45.00	32.22	16.83	31.53	01°03'20"	41°01'08"

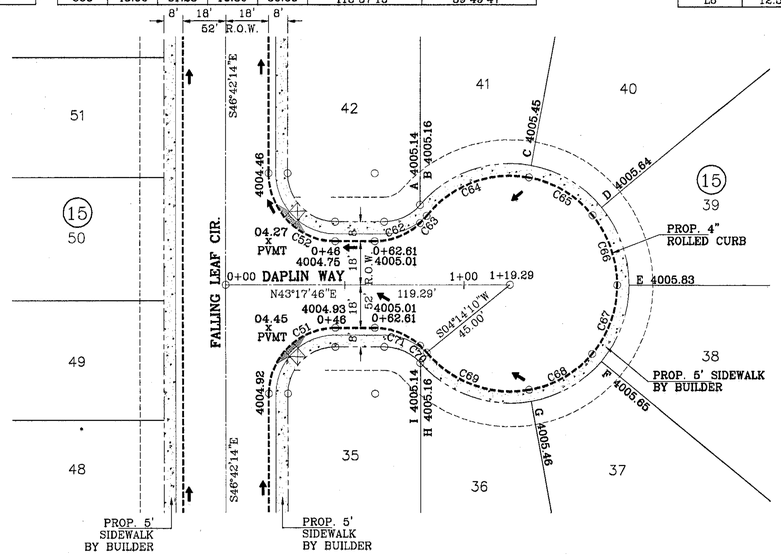
CURVE TABLE						
CURVE	RADIUS	LENGTH	TANGENT	CHORD	BEARING	DELTA
C58	45.00	32.14	16.79	31.46	42°01'40"	40°55'32"
C59	45.00	40.12	21.50	38.80	88°01'53"	51°04'55"
C60	45.00	29.78	15.46	29.24	132°31'45"	37°54'50"
C61	28.00	30.63	17.05	29.13	300°08'39"	62°41'01"
C62	28.00	20.88	10.95	20.40	201°56'14"	42°43'06"
C63	28.00	4.02	2.01	4.01	176°28'02"	8°13'17"
C64	45.00	48.11	26.64	45.85	22°58'58"	61°15'09"
C65	45.00	31.49	16.42	30.85	73°39'27"	40°05'50"
C66	45.00	31.28	16.30	30.66	113°37'15"	39°49'47"

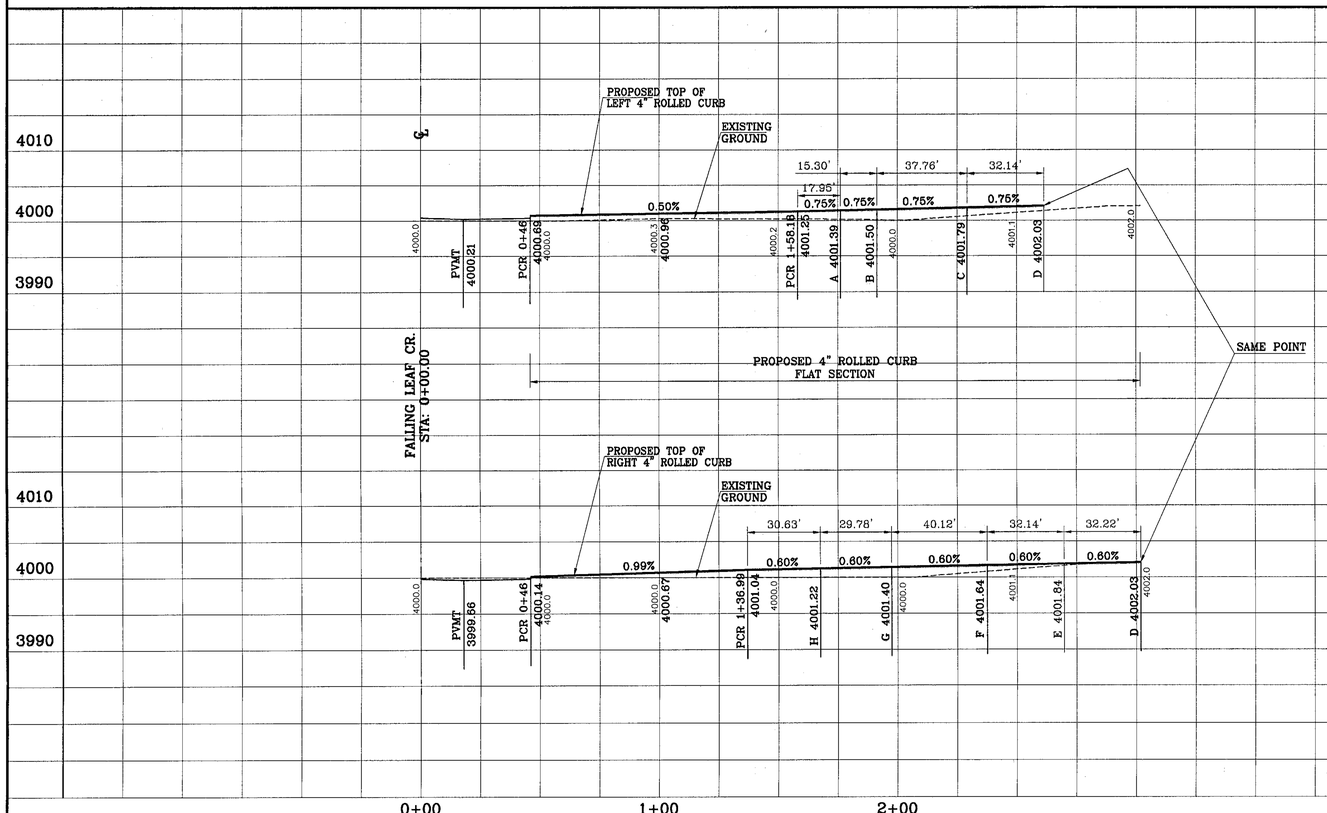
CURVE TABLE						
CURVE	RADIUS	LENGTH	TANGENT	CHORD	BEARING	DELTA
C67	45.00	31.28	16.30	30.66	153°27'02"	39°49'47"
C68	44.73	31.29	16.32	30.66	193°16'49"	40°04'53"
C69	45.00	47.94	26.53	45.71	243°42'56"	61°02'28"
C70	28.00	4.02	2.01	4.01	90°07'31"	8°13'17"
C71	28.00	20.88	10.95	20.40	64°39'19"	42°43'06"

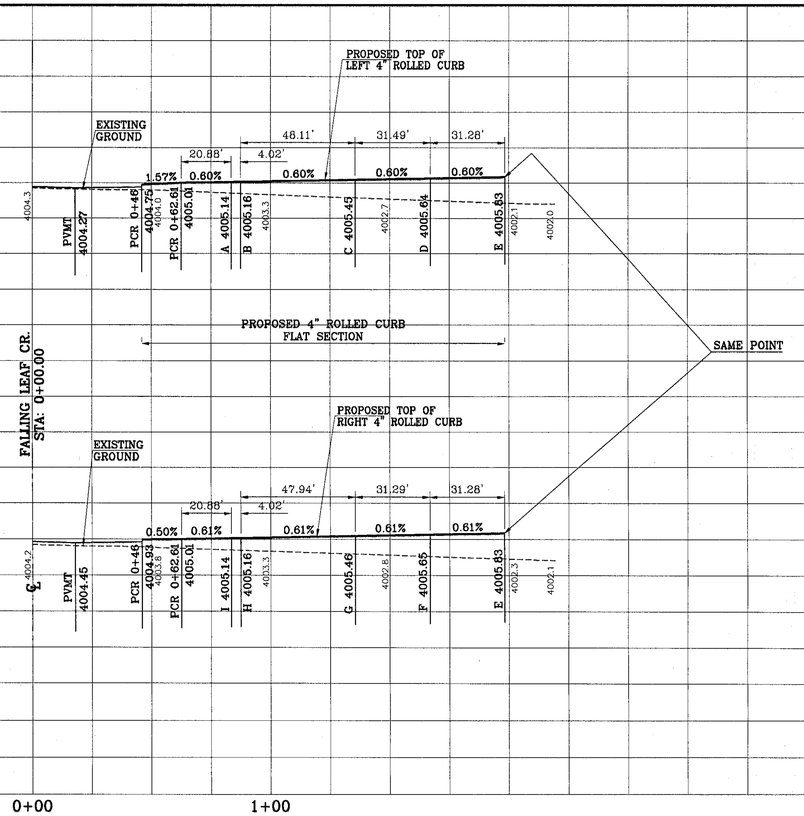
LINE TABLE		
LINE	LENGTH	BEARING
L6	12.50	358°48'09"











BENCHMARKS
VERTICAL DATUM IS CITY AS PER NATIONAL GEODETIC SURVEY
MARKER "B 1383" PID# CE0410 NAVD 88 ELEVATION: 4013.41
CITY DATUM CONVERSION: -10.429
CITY DATUM ELEVATION: 4003.00

BY	DATE	REVISIONS

PROJECT NAME

MESQUITE HILLS UNIT TWO

BEING A PORTION OF TRACT 6, SECTION 16, PORTION OF TRACTS 1D AND 1E, SECTION 17, AND PORTION OF TRACTS 1A, 2, AND 3A, SECTION 21, BLOCK 79, TOWNSHIP 2, TEXAS & PACIFIC RAILROAD Co. SURVEYS, AND PORTION OF MESQUITE HILL DRIVE, MESQUITE HILLS, CITY OF EL PASO, EL PASO COUNTY, TEXAS
CONTAINING: 73.854 ACRES

SCALE
Horiz: 1"=30'
Vert: 1"=10'
DATE: MAY 2007
DESIGN BY: F.C.
INITIATED BY: F.F.G.
CHKD. BY: F.C.
JOB NO.: 1106-06

ENGINEER'S SEAL
STATE OF TEXAS
FRANCISCO CAMPA
98191
LICENSED PROFESSIONAL ENGINEER
SURVEYOR'S SEAL
STATE OF TEXAS
JOSE LUIS SALCIDO
5165
REGISTERED PROFESSIONAL LAND SURVEYOR

CONDE INC.
ENGINEERING / PLANNING
SURVEYING / GIS
17790 LEE TREVINO DR. STE 400
EL PASO, TEXAS 79936
CONDE INC.

SHEET TITLE
STREET
PLAN-PROFILE

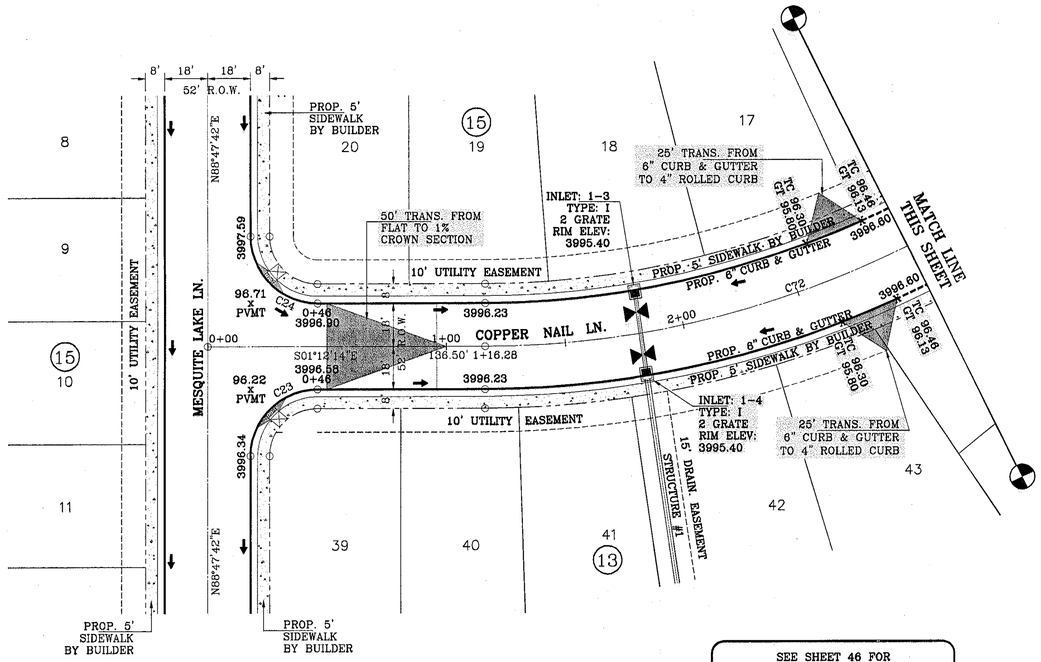
BEDOUIN CT. & DAPLIN WAY

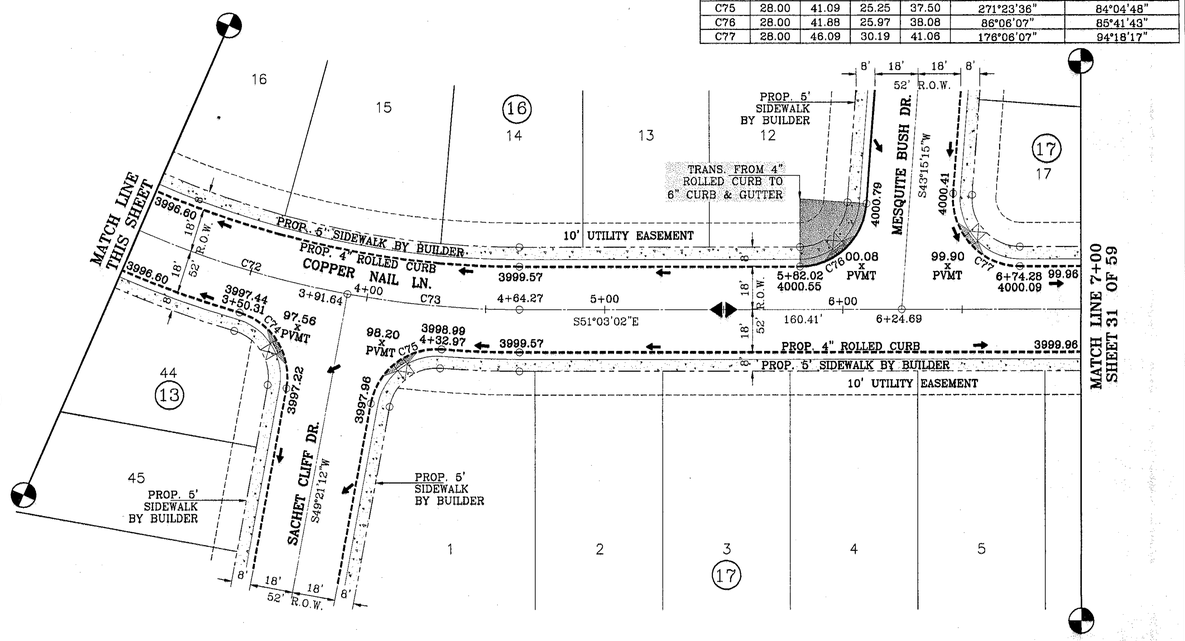
SHT 29 OF 59

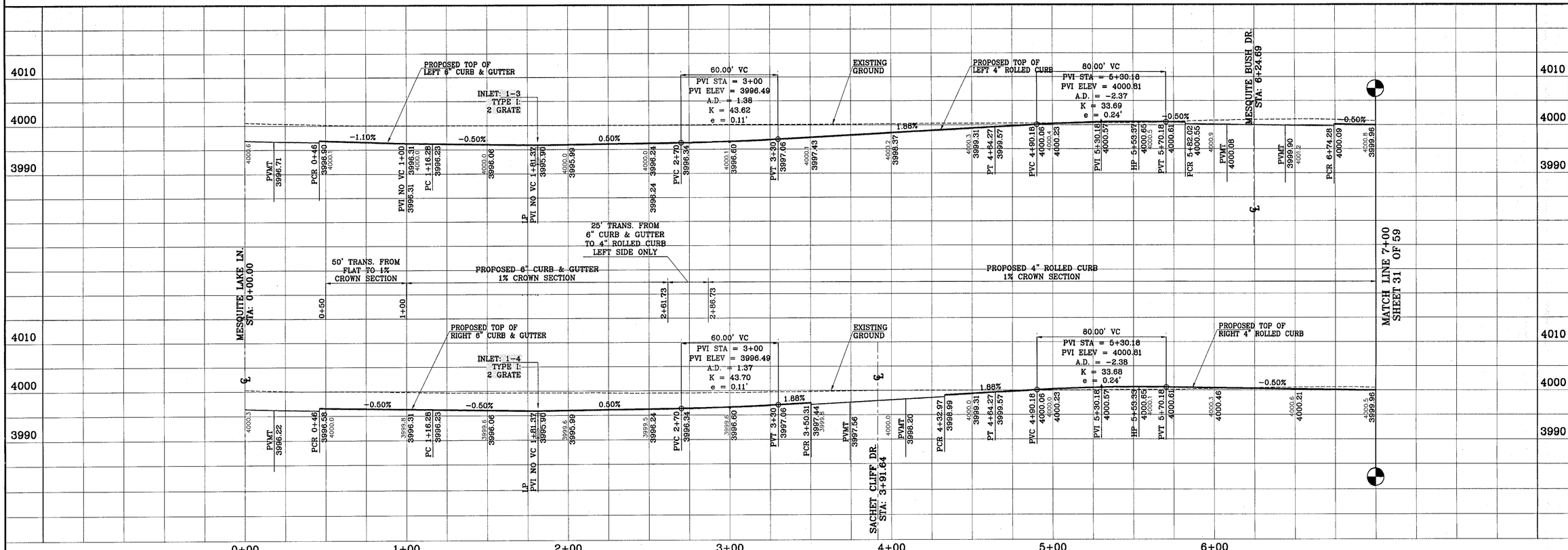
103096

C:\Land Projects 2006\MESQUITE HILLS 2-RE\dwg\MHU-PP4-BEDOUIN-DAPLIN.dwg, BED-DAP1, 3/7/2008 9:20:44 AM

CURVE TABLE						
CURVE	RADIUS	LENGTH	TANGENT	CHORD	BEARING	DELTA
C23	28.00	43.98	28.00	39.60	313°47'44"	90°00'04"
C24	28.00	43.98	28.00	39.60	223°47'44"	89°59'56"
C72	400.00	275.36	143.39	269.96	159°04'29"	39°26'34"
C73	400.00	72.63	36.42	72.53	134°09'05"	10°24'14"
C74	28.00	41.09	25.25	37.50	07°18'48"	84°04'48"
C75	28.00	41.09	25.25	37.50	271°23'36"	84°04'48"
C76	28.00	41.88	25.97	38.08	86°06'07"	85°41'43"
C77	28.00	46.09	30.19	41.06	176°06'07"	94°18'17"







BENCHMARKS
VERTICAL DATUM IS CITY AS PER MONUMENT GEODETIC SURVEY MARKER "B 183," PID# CE0410 NAVD 88 ELEVATION: 4013.41
CITY DATUM CONVERSION: 10,429
CITY DATUM ELEVATION: 4002.586

DATE	REVISIONS	BY
09-5-2007	Revise package as per revised plat.	E.F.G.
02-09-2008	City Redlines as per 02-04-2008.	E.F.G.

PROJECT NAME

MESQUITE HILLS UNIT TWO

BEING A PORTION OF TRACT 6, SECTION 16, PORTION OF TRACTS 1D AND 1E, SECTION 17, AND PORTION OF TRACTS 1A, 2, AND 3A, SECTION 21, BLOCK 80, TSP 1, TEXAS AND PACIFIC RAILROAD SURVEYS, AND PORTION OF LOT 1, BLOCK 1, MESQUITE HILLS, CITY OF EL PASO, EL PASO COUNTY, TEXAS CONTAINING: 73.854 ACRES

SCALE
Horiz: 1"=30'
Vert: 1"=10'

DATE: MAY 2007
DESIGN BY: F.C.
INITIATED BY: E.F.G.
CHKD BY: F.C.
JOB NO.: 1109-06

ENGINEER'S SEAL
STATE OF TEXAS
FRANCISCO CAMPA
95191
LICENSED PROFESSIONAL ENGINEER
09

CONDE INC.
ENGINEERING / PLANNING
SURVEYING / GPS
1790 LEE TREVINO DR. STE 400
EL PASO, TEXAS 79936
CONDE INC.

SHEET TITLE
STREET
PLAN-PROFILE

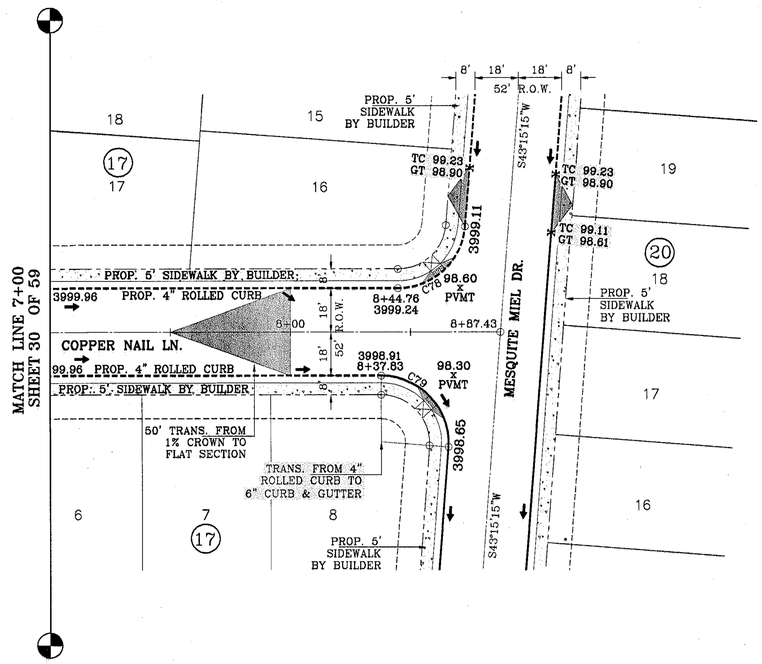
COPPER NAIL LN.

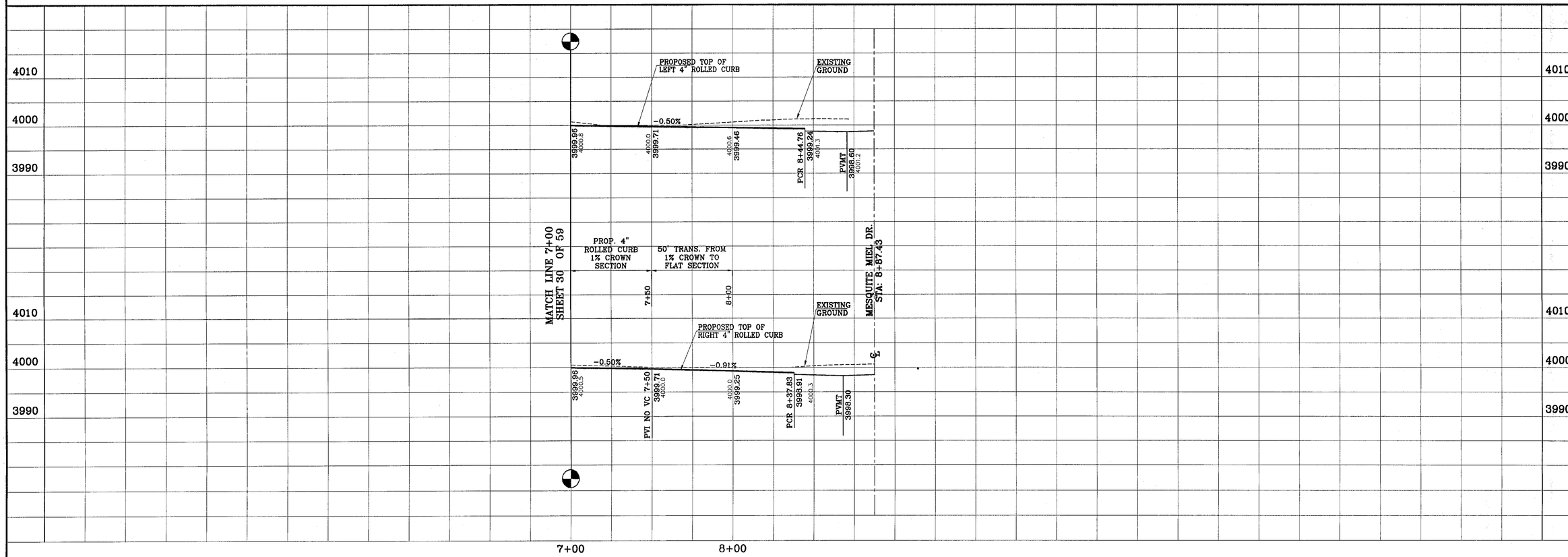
SHT 30 OF 59

103096

C:\Land Projects 2006\MESQUITE HILLS 2-RE\dwg\MH2-PTP-COPPER NAIL.dwg, COPPER1, 3/7/2008 8:22:45 AM

CURVE TABLE						
CURVE	RADIUS	LENGTH	TANGENT	CHORD	BEARING	DELTA
C78	28.00	41.88	25.97	38.08	86°06'07"	85°41'43"
C79	28.00	46.09	30.19	41.06	356°06'07"	94°18'17"





MESQUITE HILLS UNIT TWO

BENCHMARKS

VERTICAL DATUM IS CITY AS PER NATIONAL GEODETIC SURVEY MARKER "B 1383", PID# CE0410 NAVD 88 ELEVATION: 4013.41
CITY DATUM CONVERSION: 10.429
CITY DATUM ELEVATION: 4002.98

DATE	REVISIONS	BY
09-5-2007	Revise package as per revised plat.	E.F.G.
02-08-2008	City Redlines as per 02-04-2008.	E.F.G.

PROJECT NAME

MESQUITE HILLS UNIT TWO

BEING A PORTION OF TRACT 6, SECTION 16, PORTION OF TRACTS 1D AND 1E, SECTION 17, AND PORTION OF TRACTS 1A, 2, AND 3A, SECTION 21, BLOCK 80, TSP 1, TEXAS AND PACIFIC RAILROAD Co. SURVEYS, AND PORTION OF MESQUITE HILL DRIVE, MESQUITE HILLS, CITY OF EL PASO, EL PASO COUNTY, TEXAS
CONTAINING: 73.854 ACRES

SCALE
Horiz: 1"=30'
Vert: 1"=10'

DATE: MAY 2007
DESIGN BY: F.C.
INITIATED BY: E.F.G.
CHKD. BY: F.C.
JOB NO.: 1106-06

ENGINEER'S SEAL
STATE OF TEXAS
FRANCISCO CAMPA
99191
LICENSED
PROFESSIONAL ENGINEER
05/16/08

CONDE INC.
ENGINEERING / PLANNING
SURVEYING / GPS
1790 LEE TREVINO DR. STE 400
EL PASO, TEXAS 79936

CONDE INC.

SHEET TITLE
STREET PLAN-PROFILE

COPPER NAIL LN.

SHT 31 OF 59

103096

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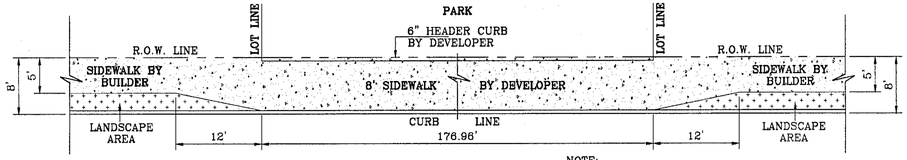


SIDEWALK DETAIL
SCALE: 1"=10'

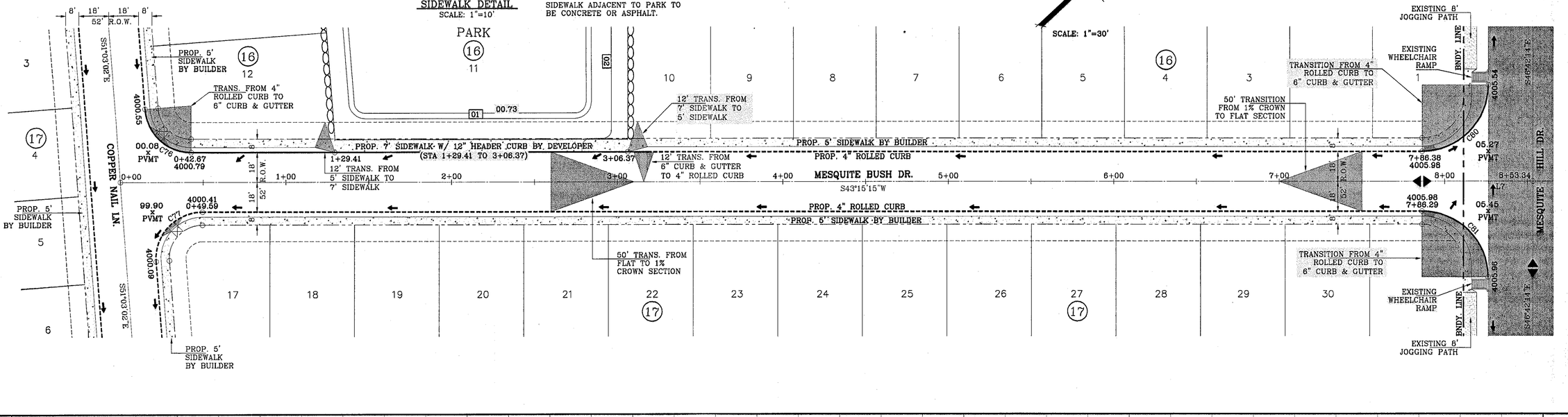
NOTE:
SIDEWALK ADJACENT TO PARK TO BE CONCRETE OR ASPHALT.

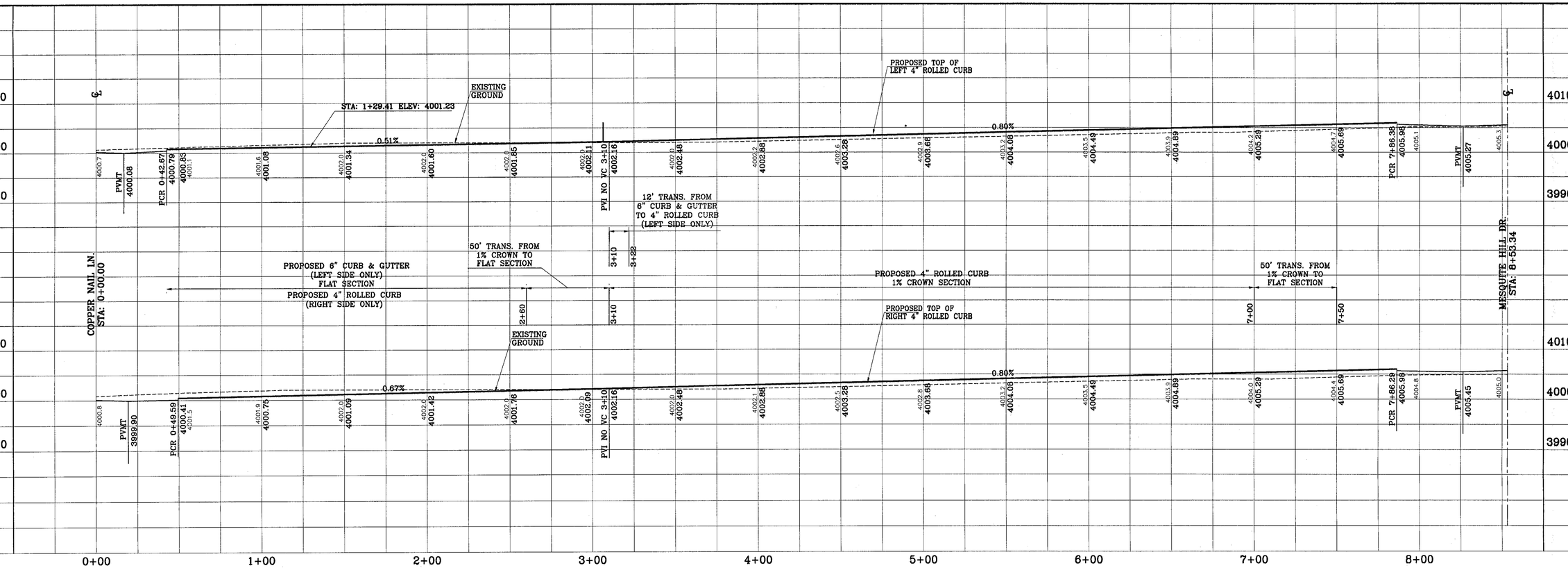
SEE SHEET 45 & 53 FOR PARK SIDEWALK DETAILS

SEE SHEET L1-L2 FOR PARK IRRIGATION PLAN AND DETAILS

LINE TABLE		
LINE	LENGTH	BEARING
L7	42.00	N43°15'15"E

CURVE TABLE						
CURVE	RADIUS	LENGTH	TANGENT	CHORD	BEARING	DELTA
C76	28.00	41.88	25.97	38.08	86°06'07"	85°41'43"
C77	28.00	46.09	30.19	41.06	176°08'07"	94°18'17"
C80	40.00	62.80	39.97	56.55	358°16'31"	89°57'29"
C81	40.00	62.86	40.03	56.59	268°16'31"	90°02'31"





BENCHMARKS
VERTICAL DATUM IS CITY AS PER NATIONAL GEODETIC SURVEY MARKER "B 1383", PID# CE0410 NAVD 88 ELEVATION: 4013.41
CITY DATUM CONVERSION: 10.429
CITY DATUM ELEVATION: 4002.98

DATE	REVISIONS	BY
09-5-2007	Revise package as per revised plat.	E.F.G.
02-06-2008	City Redlines as per 02-04-2008.	E.F.G.

PROJECT NAME

MESQUITE HILLS UNIT TWO

BEING A PORTION OF TRACT 6, SECTION 16, PORTION OF TRACTS 1D AND 1E, SECTION 17, AND PORTION OF TRACTS 1A, 2, AND 3A, SECTION 21, BLOCK 80, TSP 1, TEXAS AND PACIFIC RAILROAD Co. SURVEYS, AND PORTION OF MESQUITE HILL DRIVE. MESQUITE HILLS, CITY OF EL PASO, EL PASO COUNTY, TEXAS CONTAINING: 73.854 ACRES

SCALE
Horiz: 1"=30'
Vert: 1"=10'
DATE: MAY 2007
DESIGN BY: F.C.
INITIATED BY: K.E.G.
CHKD. BY: F.C.
JOB NO.: 1106-06

ENGINEER'S SEAL
STATE OF TEXAS
FRANCISCO CAMPA
99191
LICENSED PROFESSIONAL ENGINEER

CONDE INC.
ENGINEERING / PLANNING
SURVEYING / GPS
1790 LEE TREVINO DR. STE 400
EL PASO, TEXAS 79936

CONDE INC.

SHEET TITLE
STREET
PLAN-PROFILE

MESQUITE BUSH DR.

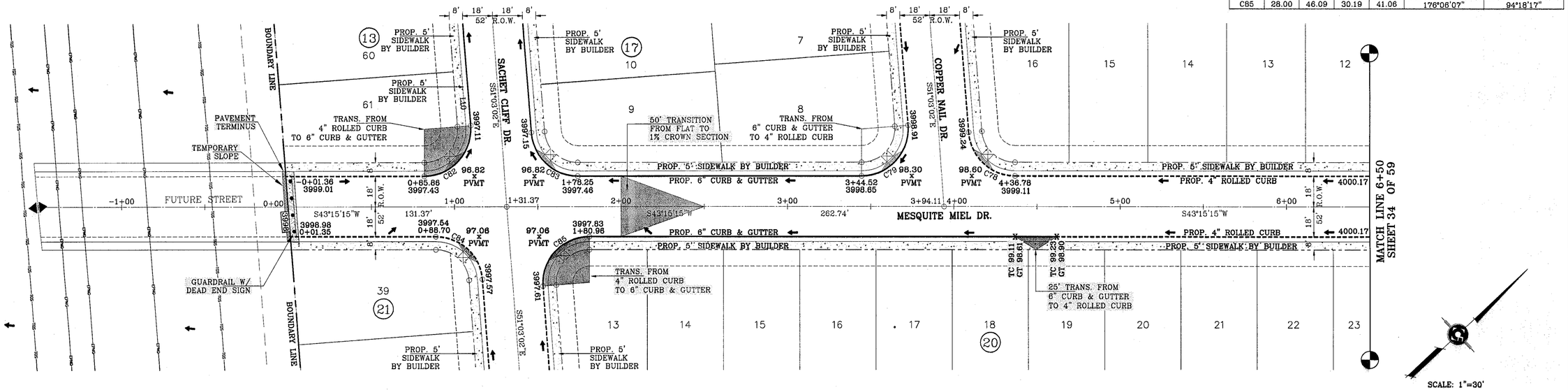
SHT 32 OF 59

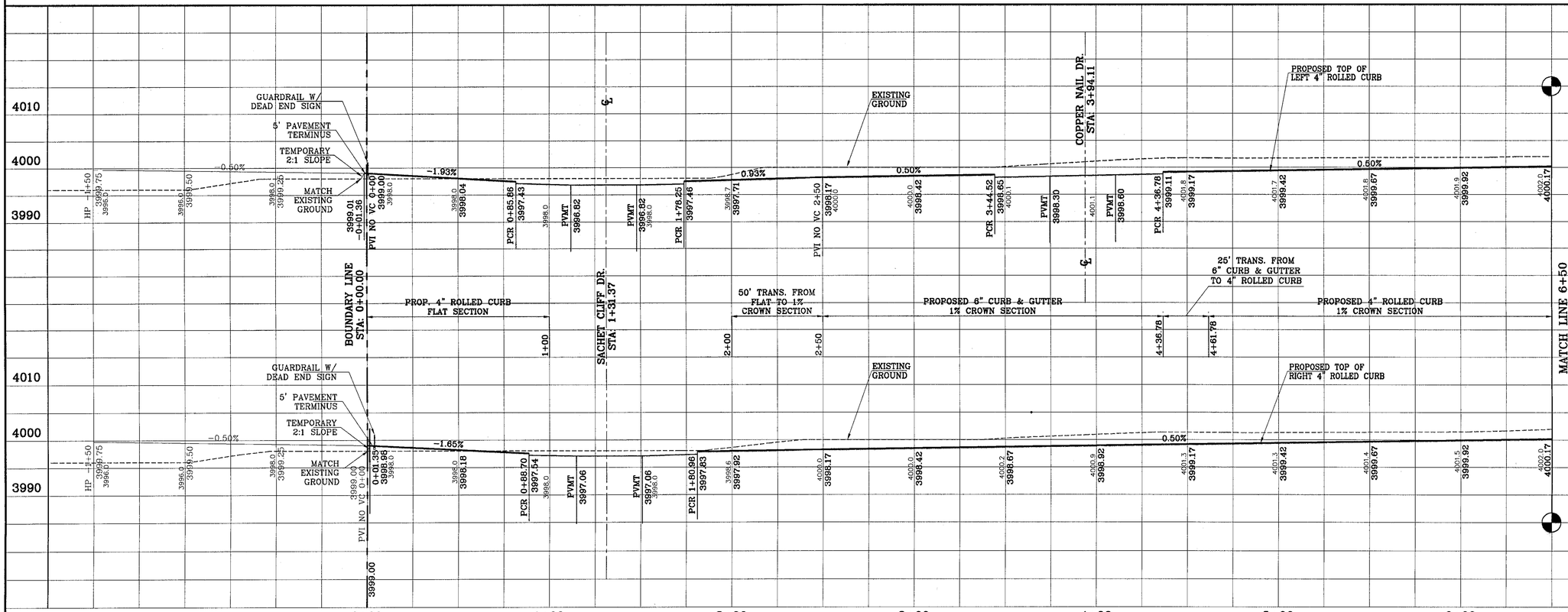
MESQUITE HILLS UNIT TWO

C:\Land Projects 2006\MESQUITE HILLS 2-RE\dwg\MH2-PP4-BUSH.dwg, BUSH1, 3/7/2008 9:25:23 AM

103096

CURVE TABLE						
CURVE	RADIUS	LENGTH	TANGENT	CHORD	BEARING	DELTA
C78	28.00	41.88	25.97	38.08	86°06'07"	85°41'43"
C79	28.00	46.09	30.19	41.06	356°06'07"	94°18'17"
C82	28.00	46.09	30.19	41.06	356°06'07"	94°18'17"
C83	28.00	41.88	25.97	38.08	86°06'07"	85°41'43"
C84	28.00	41.88	25.97	38.08	266°06'07"	85°41'43"
C85	28.00	46.09	30.19	41.06	176°06'07"	94°18'17"





BENCHMARKS
VERTICAL DATUM IS CITY AS PER NATIONAL GEODETIC SURVEY MARKER "D 1383" PID# CE0410 NAVD 88 ELEVATION: 4013.41
CITY DATUM CONVERSION: -10.429
CITY DATUM ELEVATION: 4002.98

DATE	REVISIONS	BY
09-11-2007	Revise package as per revised plat.	E.F.G.
02-11-2008	City Redlines as per 02-04-2008.	E.F.G.

PROJECT NAME

MESQUITE HILLS UNIT TWO

BEING A PORTION OF TRACT 6, SECTION 16, PORTION OF TRACTS 1D AND 1E, SECTION 17, AND PORTION OF TRACTS 1A, 2, AND 3A, SECTION 21, BLOCK 80, TSP 1, TEXAS AND PACIFIC RAILROAD Co. SURVEYS, AND PORTION OF MESQUITE HILL DRIVE, MESQUITE HILLS, CITY OF EL PASO, EL PASO COUNTY, TEXAS
CONTAINING: 73.854 ACRES

SCALE
Horiz: 1"=30'
Vert: 1"=10'
DATE: MAY 2007
DESIGN BY: F.C.
INITIATED BY: E.F.G.
CHKD. BY: F.C.
JOB NO.: 1106-06

ENGINEER'S SEAL
FRANCISCO CAMPA 98191 LICENSED PROFESSIONAL ENGINEER
STATE OF TEXAS

CONDE INC.
ENGINEERING / PLANNING
SURVEYING / GPS
1790 LEE TREVINO DR. STE 400
EL PASO, TEXAS 79936
CONDE INC.

SHEET TITLE
STREET
PLAN–PROFILE

MESQUITE MIEL DR.

SHT 33 OF 59

MESQUITE HILLS UNIT TWO

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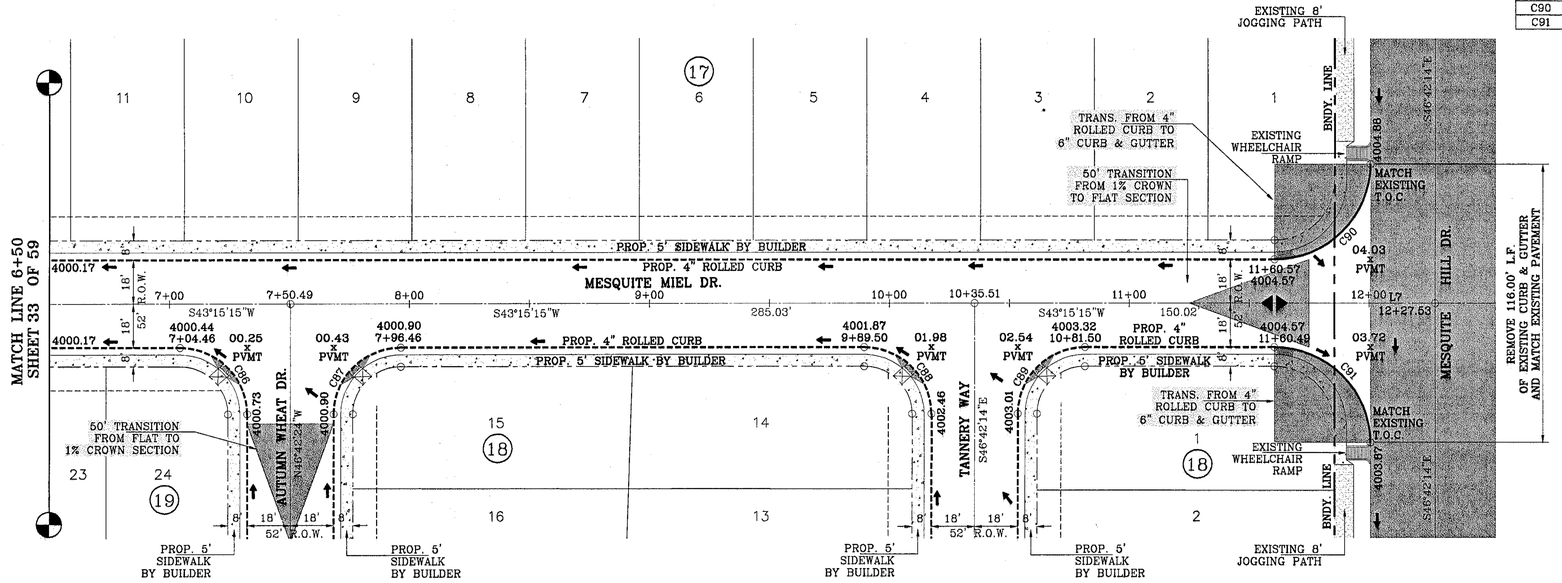
103096

CURVE TABLE						
CURVE	RADIUS	LENGTH	TANGENT	CHORD	BEARING	DELTA
C86	28.00	44.00	28.02	39.61	268°16'26"	90°02'21"
C87	28.00	43.96	27.98	39.58	178°16'26"	89°57'39"
C88	28.00	44.00	28.02	39.61	268°16'31"	90°02'31"
C89	28.00	43.96	27.98	39.58	178°16'31"	89°57'29"
C90	40.00	62.80	39.97	56.55	358°16'31"	89°57'29"
C91	40.00	62.86	40.03	56.59	268°16'31"	90°02'31"

LINE TABLE		
LINE	LENGTH	BEARING
L7	42.00	43°15'15"



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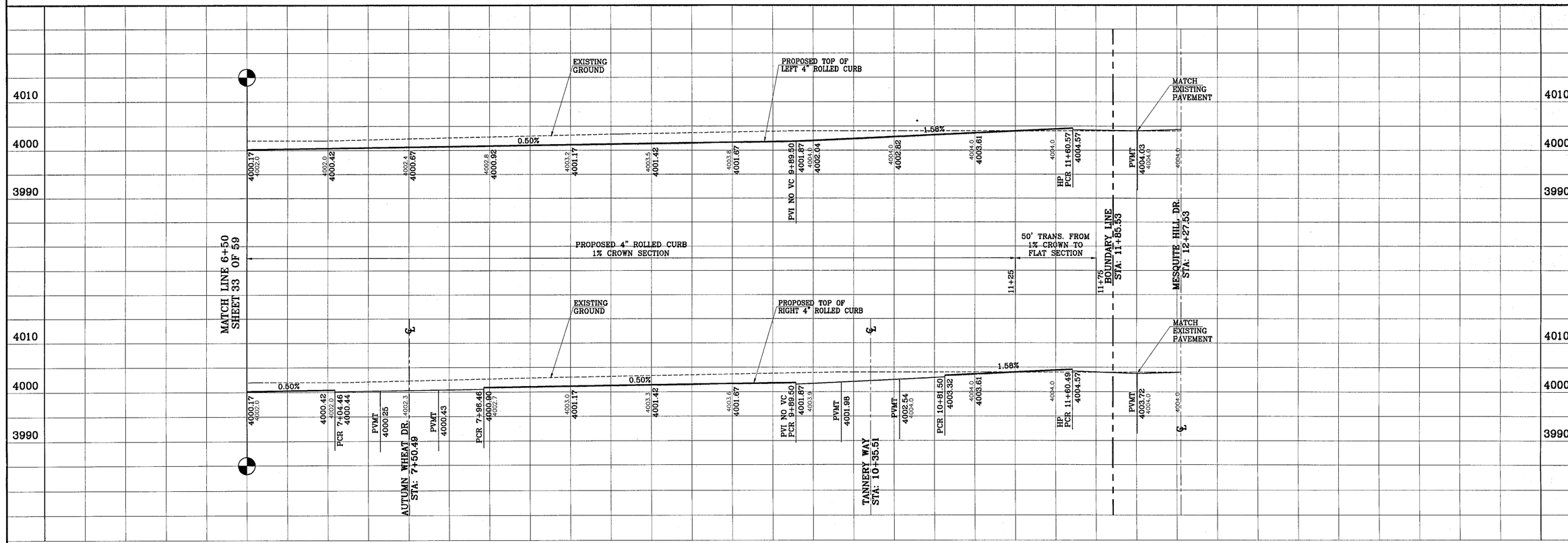

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BENCHMARKS
VERTICAL DATUM IS CITY AS PER NATIONAL GEODETIC SURVEY MARKER "B 1383", PID# CE0410 NAVD 88 ELEVATION: 4013.41
CITY HORIZONTAL CONTROL MONUMENT "CO 29"
CITY DATUM ELEVATION: 4002.98

REVISIONS		
DATE		BY
09-11-2007	Revise package as per revised plat.	E.F.G.
02-11-2008	City Redlines as per 02-04-2008.	E.F.G.

PROJECT NAME

MESQUITE HILLS UNIT TWO

BEING A PORTION OF TRACT 6, SECTION 16, PORTION OF TRACTS 1D AND 1E, SECTION 17, AND PORTION OF TRACTS 1A, 2, AND 3A, SECTION 21, BLOCK 80, TSP 1, TEXAS AND PACIFIC RAILROAD Co. SURVEYS, AND PORTION OF MESQUITE HILL DRIVE, MESQUITE HILLS, CITY OF EL PASO, EL PASO COUNTY, TEXAS
CONTAINING: 73.854 ACRES

SCALE
Horiz: 1"=30'
Vert: 1"=10'
DATE: MAY 2007
DESIGN BY: F.C.
INITIATED BY: E.F.G.
CHKD. BY: F.C.
JOB NO.: 1105-06

ENGINEER'S SEAL
FRANCISCO CAMPA
99191
LICENSED PROFESSIONAL ENGINEER
STATE OF TEXAS

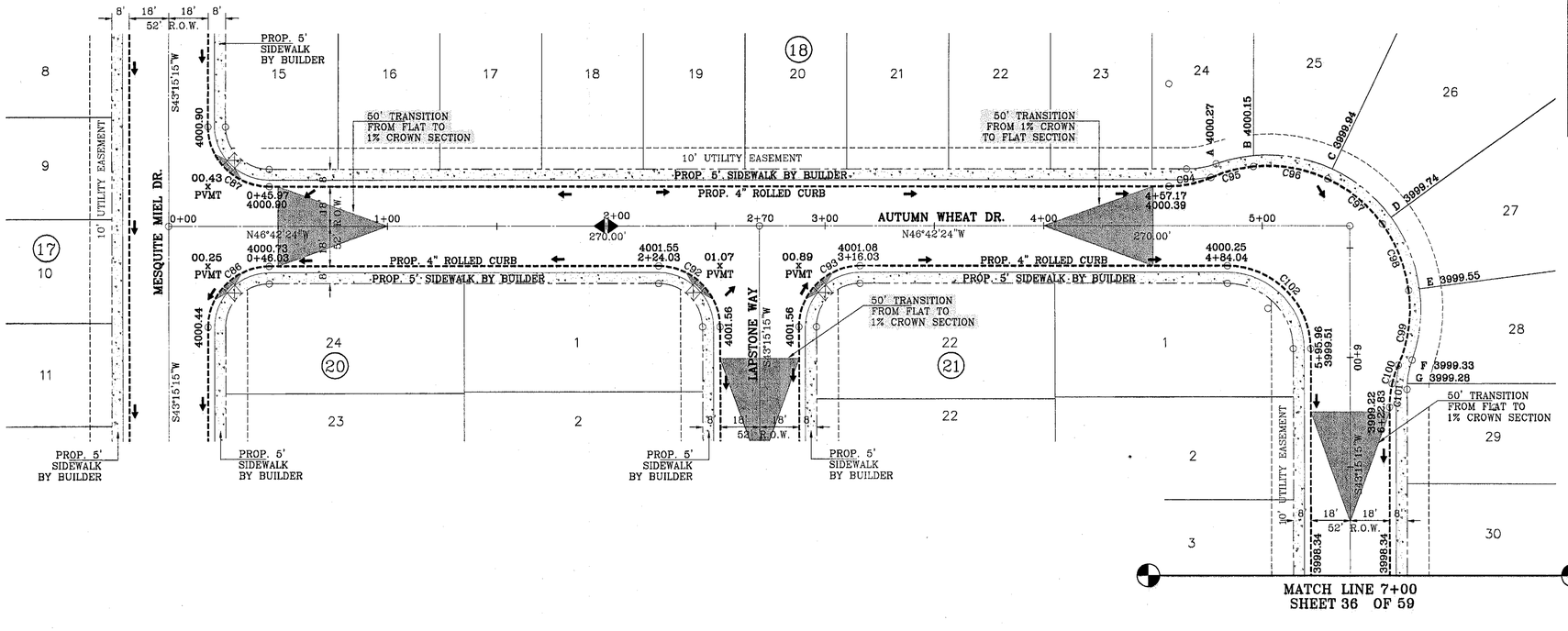
CONDE INC.
ENGINEERING / PLANNING
SURVEYING / GPS
1790 LEE TREVINO DR. STE 400
EL PASO, TEXAS 79936
CONDE INC.

SHEET TITLE
STREET PLAN-PROFILE

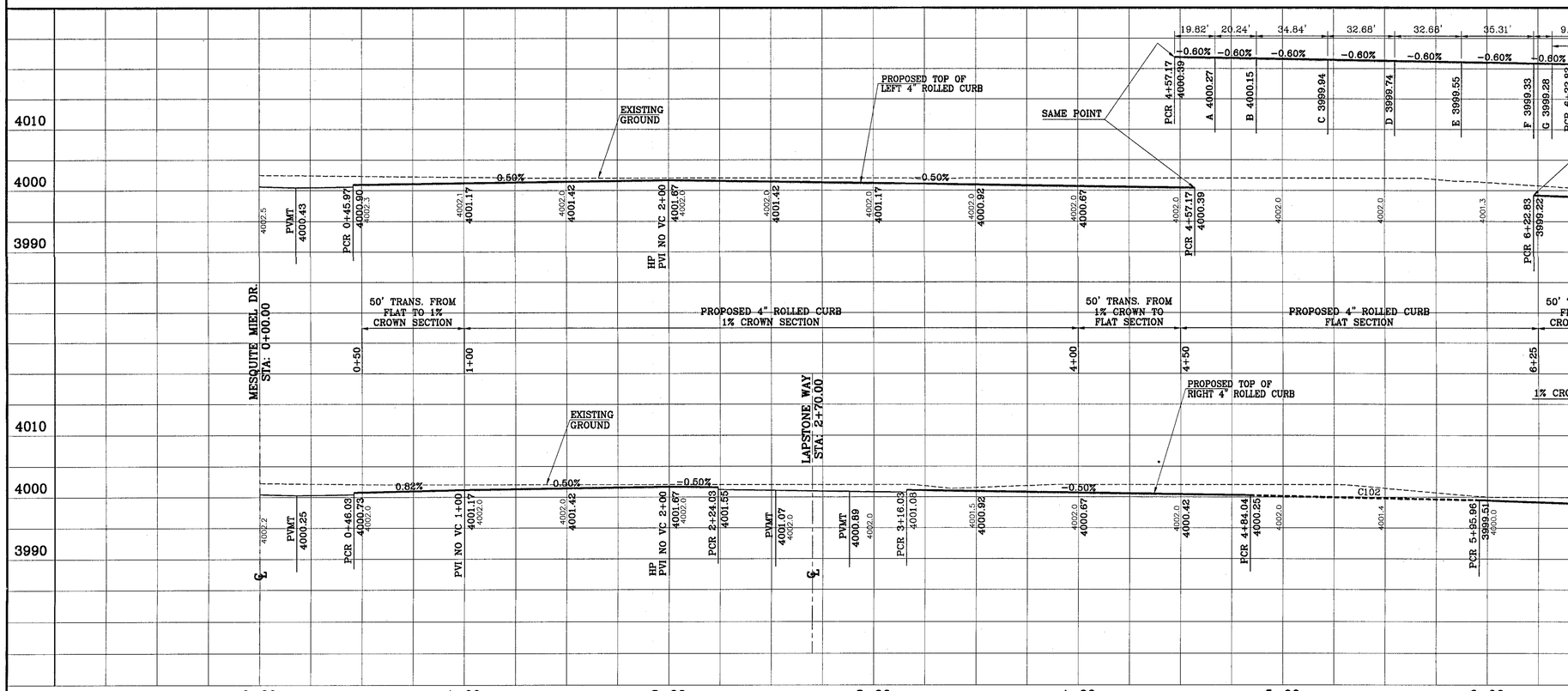
MESQUITE MIEL DR.

SHT 34 OF 59

103096



CURVE TABLE						
CURVE	RADIUS	LENGTH	TANGENT	CHORD	BEARING	DELTA
C86	28.00	44.00	28.02	39.61	268°16'26"	90°02'21"
C87	28.00	43.96	27.98	39.58	178°16'26"	89°57'39"
C92	28.00	43.96	27.98	39.58	358°16'26"	89°57'39"
C93	28.00	44.00	28.02	39.61	268°16'26"	90°02'21"
C94	48.00	19.82	10.05	19.68	121°27'45"	23°39'43"
C95	65.00	20.24	10.20	20.16	298°33'03"	17°50'20"
C96	65.00	34.84	17.85	34.43	322°49'36"	30°42'46"
C97	65.00	32.68	16.69	32.33	352°35'04"	28°48'10"
C98	65.00	32.68	16.69	32.33	21°23'13"	28°48'10"
C99	65.00	35.31	18.10	34.88	51°21'08"	31°07'40"
C100	48.00	9.05	4.54	9.04	241°30'45"	10°48'28"
C101	48.00	10.77	5.41	10.75	229°40'53"	12°51'15"
C102	38.00	59.66	37.97	53.72	358°16'26"	89°57'39"



BENCHMARKS

VERTICAL DATUM IS CITY AS PER NATIONAL GEODETIC SURVEY MARKER "B 1383," PID# CE0410 NAVD 88 ELEVATION: 4013.41
CONVERSION: 1.000139
CITY DATUM ELEVATION: 4002.49

DATE	REVISIONS	BY
09-11-2007	Revise package as per revised plat.	E.F.G.
02-11-2008	City Redlines as per 02-04-2008.	E.F.G.

PROJECT NAME

MESQUITE HILLS UNIT TWO

BEING A PORTION OF TRACT 6, SECTION 16, PORTION OF TRACTS 1D AND 1E, SECTION 17, AND PORTION OF TRACTS 1A, 2, AND 3A, SECTION 21, BLOCK 80, TSP 1, TEXAS AND PACIFIC RAILROAD Co. SURVEYS, AND PORTION OF MESQUITE HILL DRIVE, MESQUITE HILLS, CITY OF EL PASO, EL PASO COUNTY, TEXAS
CONTAINING: 73.854 ACRES

SCALE
Horiz: 1"=30'
Vert: 1"=10'
DATE: MAY 2007
DESIGN BY: F.C.
INITIATED BY: E.F.G.
CHKD. BY: F.C.
JOB NO.: 1106-06

ENGINEER'S SEAL
STATE OF TEXAS
FRANCISCO CAMPA
99191
LICENSED PROFESSIONAL ENGINEER

CONDE INC.
ENGINEERING / PLANNING
SURVEYING / GPS
1790 LEE TREVINO DR. STE 400
EL PASO, TEXAS 79936
CONDE INC.

SHEET TITLE
STREET
PLAN-PROFILE

AUTUMN WHEAT DR.

SHT 35 OF 59

MESQUITE HILLS UNIT TWO

C:\Land Projects 2006\MESQUITE HILLS 2-RE\dwg\MH2-PP9-WHEAT-CLIFF1.dwg, WHEAT-CLIFF1, 3/7/2008 8:31:01 AM

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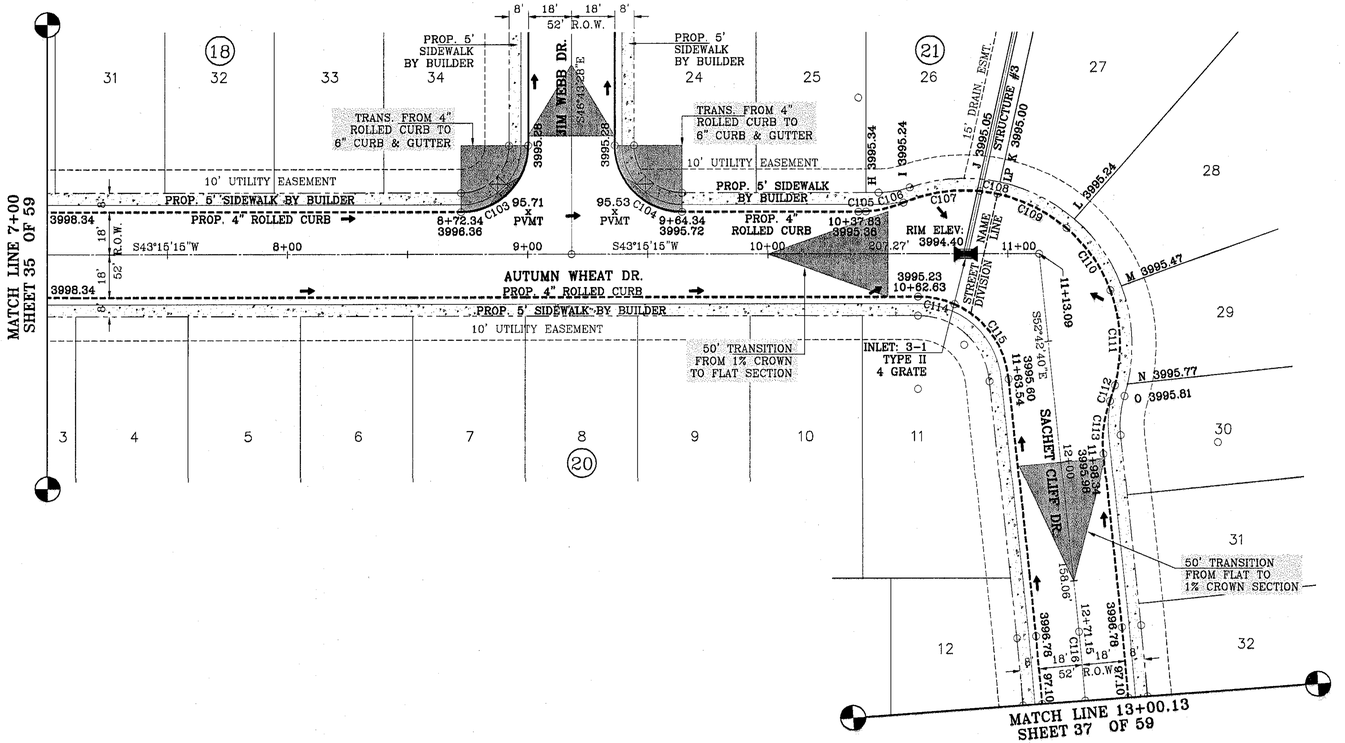
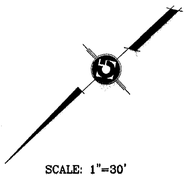


CURVE TABLE						
CURVE	RADIUS	LENGTH	TANGENT	CHORD	BEARING	DELTA
C103	28.00	43.97	27.99	39.59	178°15'54"	89°58'43"
C104	28.00	43.99	28.01	39.61	268°15'54"	90°01'17"
C105	48.00	3.11	1.56	3.11	221°23'51"	3°42'48"
C106	48.00	16.10	8.13	16.03	209°55'53"	19°13'09"
C107	65.00	32.47	16.58	32.13	34°37'54"	28°37'11"
C108	65.00	7.52	3.76	7.51	52°15'16"	6°37'33"
C109	65.00	32.49	16.59	32.16	69°53'18"	28°38'30"
C110	65.00	32.49	16.59	32.16	98°31'48"	28°38'30"
C111	65.00	39.83	20.56	39.21	130°24'12"	35°06'16"
C112	65.00	6.76	3.38	6.76	150°56'05"	5°57'27"
C113	48.00	22.30	11.36	22.10	320°36'04"	26°37'28"
C114	38.00	15.67	7.95	15.56	55°04'09"	23°37'47"
C115	38.00	40.06	22.12	38.23	97°05'11"	60°24'15"
C116	1000.00	28.98	14.49	28.98	128°07'09"	1°39'38"

SEE SHEET 47 FOR STRUCTURE #3 DETAILS



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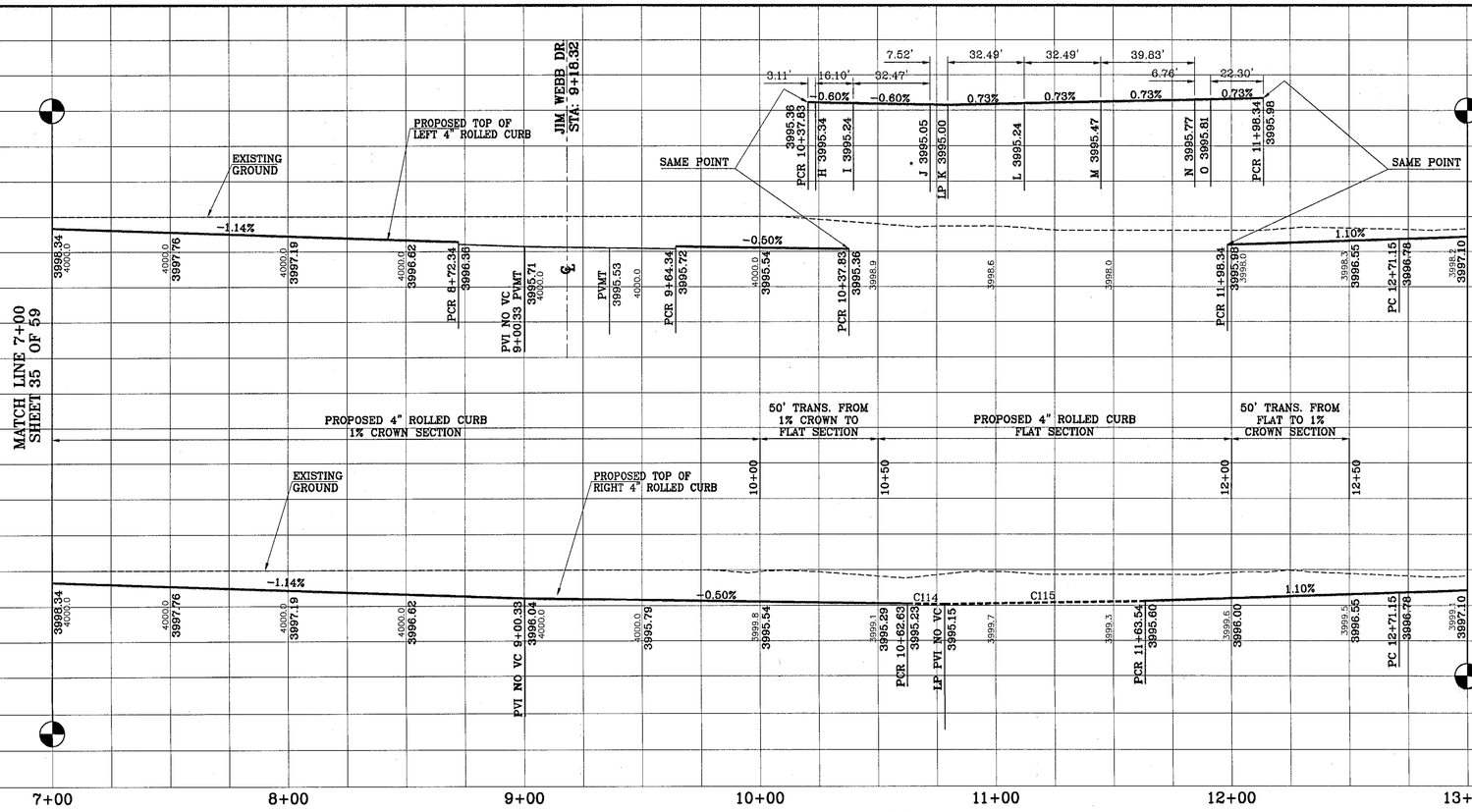

BENCHMARKS
VERTICAL DATUM IS CITY AS PER NATIONAL GEODETIC SURVEY MARKER "B 1383", PID# CE0410 NAVD 88 ELEVATION: 4013.41
HORIZONTAL DATUM IS NAD 83 (1993)
CITY DATUM ELEVATION: 4002.59

DATE	REVISIONS	BY
09-11-2007	Revise package as per revised plat.	E.F.G.
02-11-2008	City Redlines as per 02-04-2008	E.F.G.

SCALE
Horiz: 1"=30'
Vert: 1"=10'
DATE: MAY 2007
DESIGN BY: F.C.
INITIATED BY: E.F.G.
CHKD. BY: F.C.
JOB NO.: 1108-06

ENGINEER'S SEAL
STATE OF TEXAS
FRANCISCO CAMPA
103096
LICENSED PROFESSIONAL ENGINEER
09-11-07

PROJECT NAME
MESQUITE HILLS UNIT TWO

BEING A PORTION OF TRACT 6, SECTION 16, PORTION OF TRACTS 1D AND 1E, SECTION 17, AND PORTION OF TRACTS 1A, 2, AND 3A, SECTION 21, BLOCK 80, TSP 1, TEXAS AND PACIFIC RAILROAD Co. SURVEYS, AND PORTION OF MESQUITE HILL DRIVE, MESQUITE HILLS, CITY OF EL PASO, EL PASO COUNTY, TEXAS CONTAINING: 73.854 ACRES

CONDE INC.
ENGINEERING / PLANNING
SURVEYING / GPS
1760 LEE TREVINO DR. STE 400
EL PASO, TEXAS 79936
CONDE INC.

SHEET TITLE
STREET PLAN-PROFILE AUTUMN WHEAT DR.
FROM STA: 7+00 TO STA: 11+45.61
SATCHET CLIFF DR.
FROM STA: 11+45.61 TO STA: 13+00.13

SHT 36 OF 59

C:\Land Projects 2006\MESQUITE HILLS 2-RE\dwg\MHE-PP9-WHEAT-CLIFF.dwg, WHEAT-CLIFF2, 3/7/2008 9:31:20 AM

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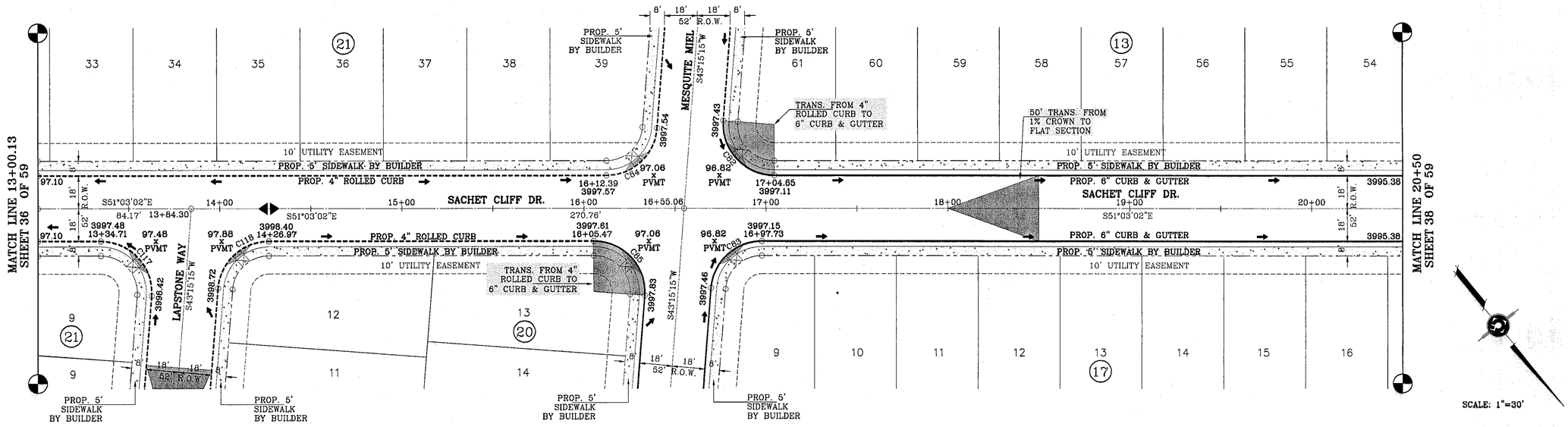
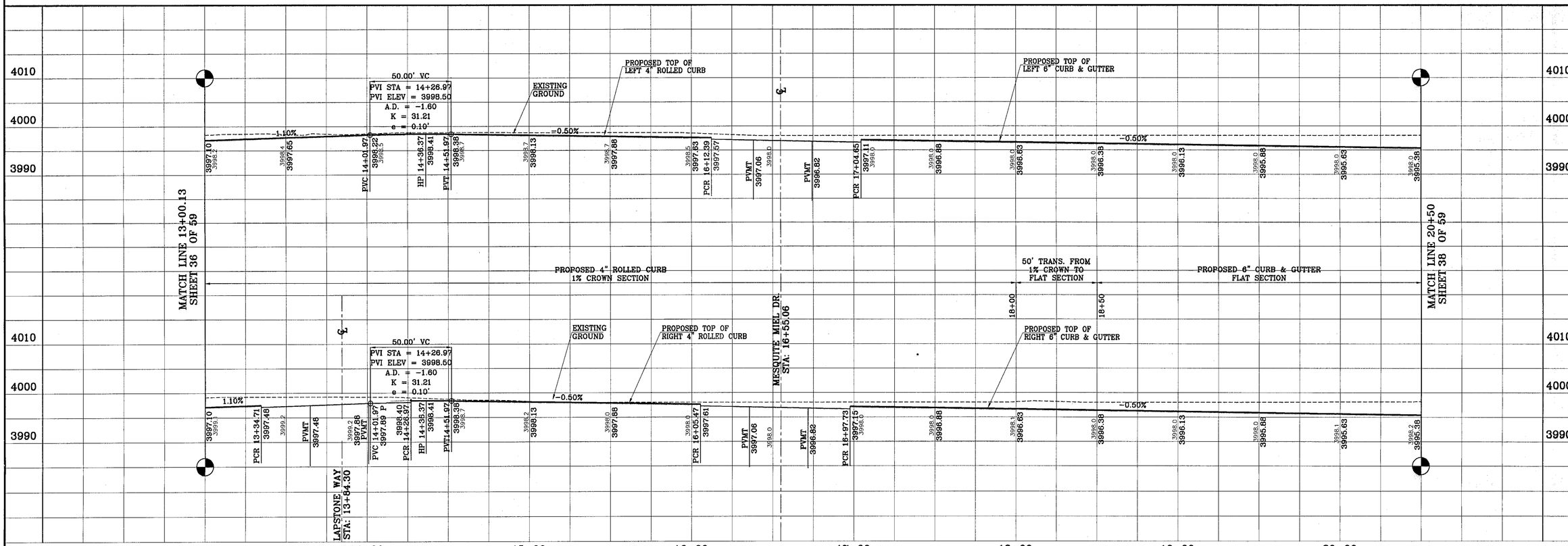
CURVE TABLE						
CURVE	RADIUS	LENGTH	TANGENT	CHORD	BEARING	DELTA
C82	28.00	46.09	30.19	41.06	356°06'07"	94°18'17"
C83	28.00	41.88	25.97	38.08	86°06'07"	85°41'43"
C84	28.00	41.88	25.97	38.08	266°06'07"	85°41'43"
C85	28.00	46.09	30.19	41.06	176°06'07"	94°18'17"
C117	28.00	46.09	30.19	41.06	176°06'07"	94°18'17"
C118	28.00	41.88	25.97	38.08	86°06'07"	85°41'43"





BENCHMARKS
VERTICAL DATUM IS CITY AS PER NATIONAL GEODETIC SURVEY
MARKER "B 1383", PID# CE0410 NAVD 88 ELEVATION: 4013.41
CITY DATUM ELEVATION: 4000.00
CITY DATUM ELEVATION: 4002.98

DATE	REVISIONS	BY
09-12-2007	Revise package as per revised plat.	E.F.G.

PROJECT NAME

MESQUITE HILLS UNIT TWO

BEING A PORTION OF TRACT 6, SECTION 16, PORTION OF TRACTS 1D AND 1E, SECTION 17, AND PORTION OF TRACTS 1A, 2, AND 3A, SECTION 21, BLOCK 80, TSP 1, TEXAS AND PACIFIC RAILROAD Co. SURVEYS, AND PORTION OF MESQUITE HILL DRIVE, MESQUITE HILLS, CITY OF EL PASO, EL PASO COUNTY, TEXAS
CONTAINING: 73.854 ACRES

SCALE
Horiz: 1"=30'
Vert: 1"=10'
DATE: MAY 2007
DESIGN BY: F.C.
INITIATED BY: E.F.G.
CHKD. BY: F.C.
JOB NO.: 1108-06

ENGINEER'S SEAL
STATE OF TEXAS
FRANCISCO CAMPA
99191
LICENSED PROFESSIONAL ENGINEER

CONDE INC.
ENGINEERING / PLANNING
SURVEYING / GPS
1790 LEE TREVINO DR. STE 400
EL PASO, TEXAS 79936

CONDE INC.

SHEET TITLE
STREET PLAN-PROFILE

SACHET CLIFF DR.

SHT 37 OF 59

MESQUITE HILLS UNIT TWO

C:\Land Projects 2006\MESQUITE HILLS 2-RE\dwg\MH2-PP&W\HEAT-CLIFF.dwg, WHEAT-CLIFF3, 3/7/2008 8:31:34 AM

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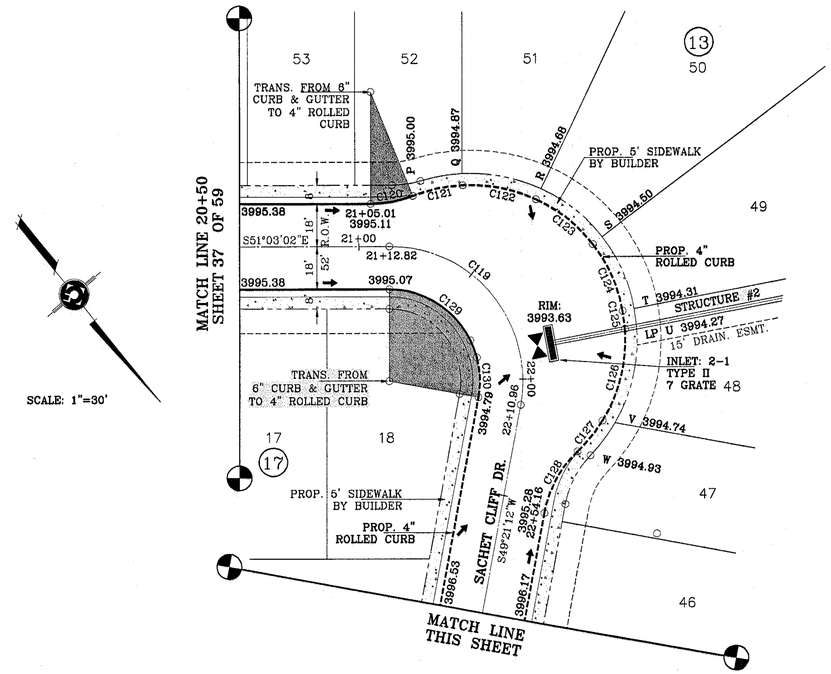
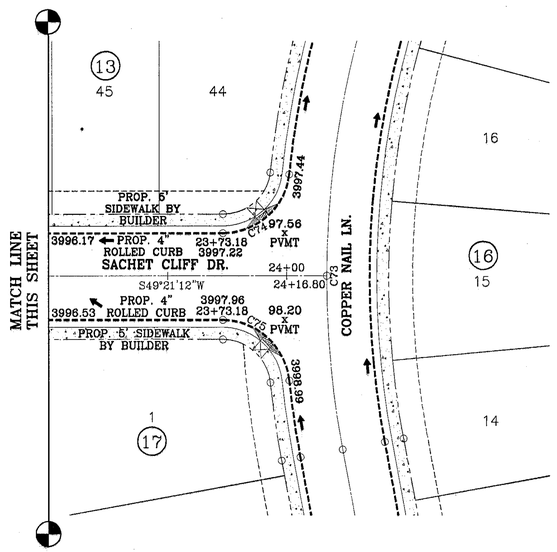


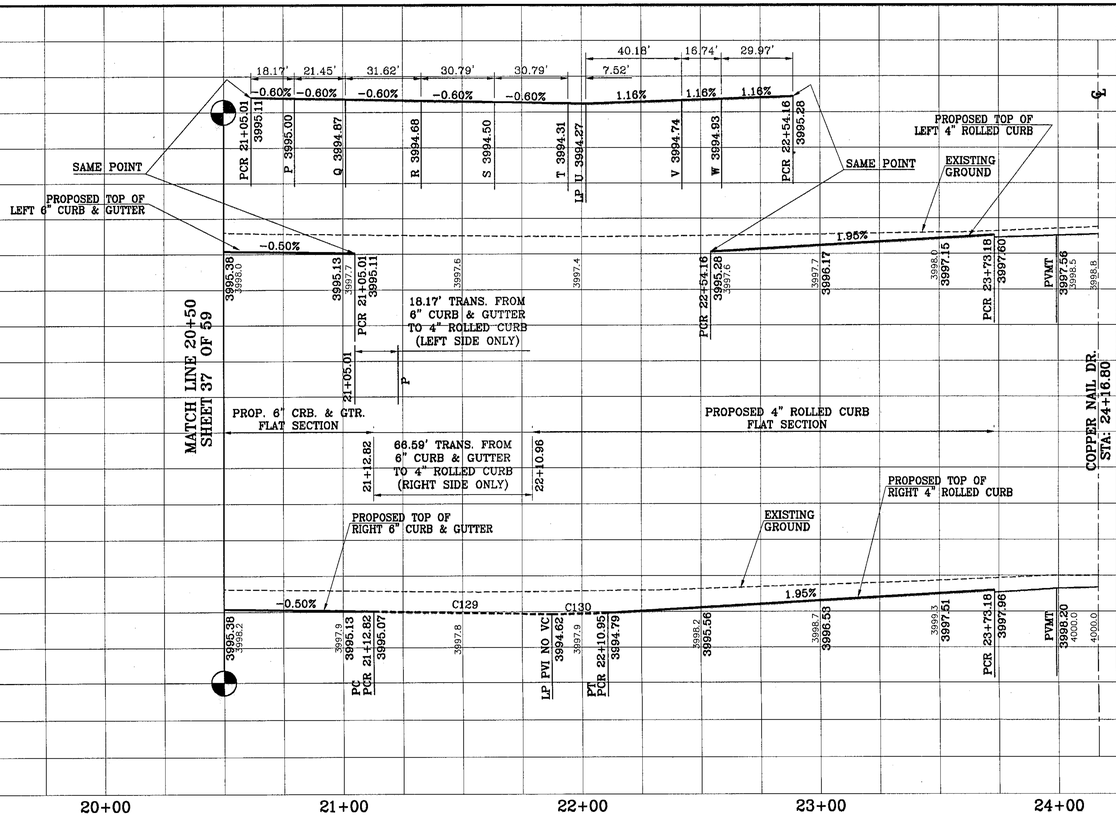
SCALE: 1"=30'



SCALE: 1"=30'

SEE SHEET 47 FOR STRUCTURE #2 DETAILS

CURVE TABLE						
CURVE	RADIUS	LENGTH	TANGENT	CHORD	BEARING	DELTA
C73	400.00	72.63	36.42	72.53	134°09'05"	10°24'14"
C74	28.00	41.09	25.25	37.50	07°18'48"	84°04'48"
C75	28.00	41.09	25.25	37.50	271°23'36"	84°04'48"
C119	56.00	98.13	67.22	86.05	S00°50'55"E	100°24'14"
C120	48.00	18.17	9.20	18.06	298°06'18"	21°41'20"
C121	65.00	21.45	10.82	21.35	116°42'53"	18°54'31"
C122	65.00	31.62	16.13	31.31	140°06'20"	27°52'21"
C123	65.00	30.79	15.69	30.50	167°36'42"	27°08'24"
C124	65.00	30.79	15.69	30.50	194°45'07"	27°08'24"
C125	65.00	7.52	3.76	7.51	211°38'05"	6°37'33"
C126	65.00	40.18	20.76	39.55	232°39'29"	35°25'15"
C127	65.00	16.74	8.42	16.70	257°44'53"	14°45'32"
C128	48.00	29.97	15.49	29.49	67°14'25"	35°48'27"
C129	38.00	49.69	29.12	46.23	166°24'41"	74°55'25"
C130	38.00	16.90	8.59	16.76	216°36'48"	25°28'49"



BENCHMARKS

VERTICAL DATUM IS CITY AS PER NATIONAL GEODETIC SURVEY
MARKER "B 1,383", PID# CE0410 NAVD 88 ELEVATION: 4013.41
CITY DATUM CONVERSION: 10,429
CITY DATUM ELEVATION: 4002.98

DATE	REVISIONS	BY
09-12-2007	Revise package as per revised plat.	E.F.G.
02-11-2008	City Redlines as per 02-04-2008.	E.F.G.

PROJECT NAME

MESQUITE HILLS UNIT TWO

BEING A PORTION OF TRACT 6, SECTION 16, PORTION OF TRACTS 1D AND 1E, SECTION 17, AND PORTION OF SECTION 34, BLOCK 79, TSP, T&P R.R. CO. SURVEY, EL PASO COUNTY, TEXAS, ACCORDING TO PLAT OF MESQUITE HILLS UNIT TWO, AN ADDITION TO THE CITY OF EL PASO, EL PASO COUNTY, TEXAS, AS RECORDED IN VOLUME 79, PAGE 28, PLAT RECORDS OF EL PASO COUNTY, TEXAS, AND PORTION OF MESQUITE HILL DRIVE, SURVEYS AND PORTION OF MESQUITE HILLS, CITY OF EL PASO, EL PASO COUNTY, TEXAS
CONTAINING: 73.854 ACRES

SCALE
Horiz: 1"=30'
Vert: 1"=10'

DATE: MAY 2007
DESIGN BY: F.C.
INITIATED BY: E.F.G.
CHKD. BY: F.C.
JOB NO.: 1106-06

ENGINEER'S SEAL
STATE OF TEXAS
FRANCISCO CAMPA
99191
LICENSED PROFESSIONAL ENGINEER

CONDE INC.
ENGINEERING / PLANNING
SURVEYING / GPS
1790 LEE TREVINO DR. STE 400
EL PASO, TEXAS 79936
CONDE INC.

SHEET TITLE
STREET
PLAN-PROFILE

SACHET CLIFF DR.

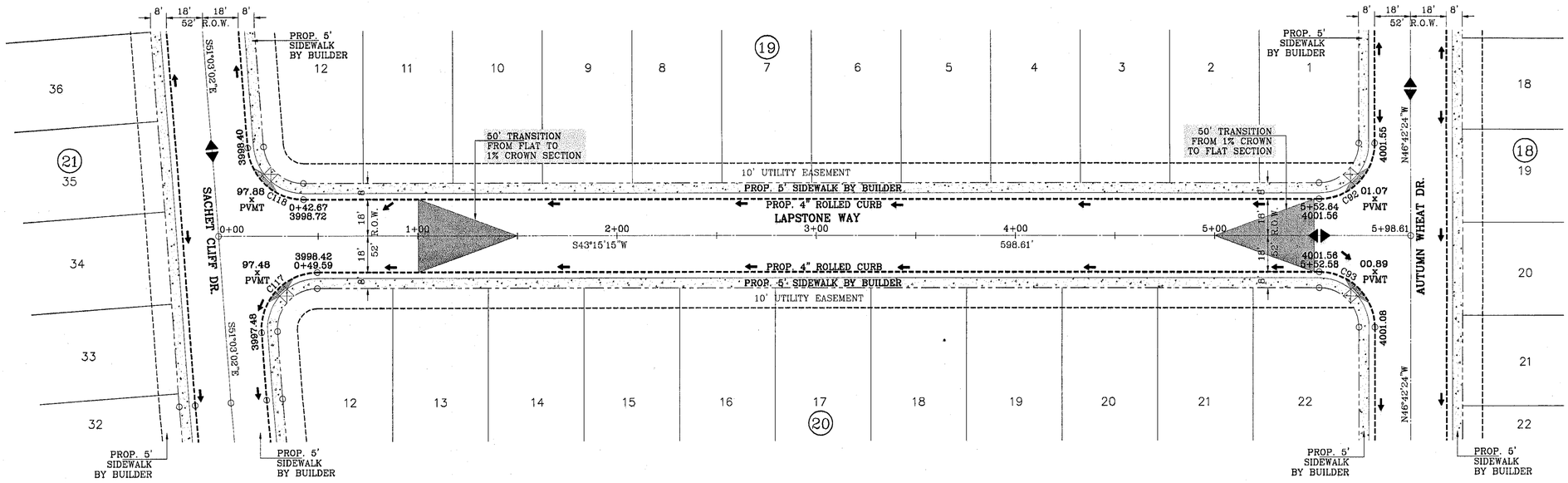
SHT 38 OF 59

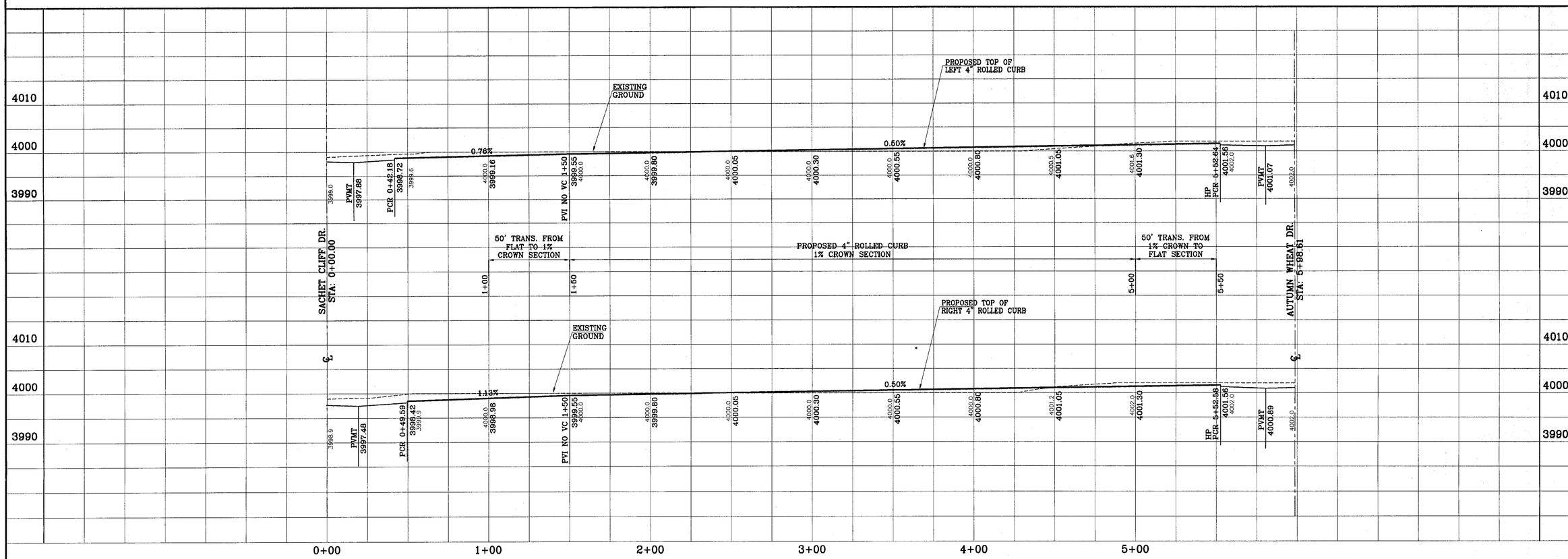
MESQUITE HILLS UNIT TWO

C:\Land Projects 2006\MESQUITE HILLS 2-REdwg\MH2-PP&P\WHEAT-CLIFF4.dwg, WHEAT-CLIFF4, 3/7/2008 8:31:51 AM

103096

CURVE TABLE						
CURVE	RADIUS	LENGTH	TANGENT	CHORD	BEARING	DELTA
C92	28.00	43.96	27.98	39.58	358°16'26"	89°57'39"
C93	28.00	44.00	28.02	39.61	268°16'26"	90°02'21"
C117	28.00	46.09	30.19	41.06	176°06'07"	94°18'17"
C118	28.00	41.88	25.97	38.08	86°06'07"	85°41'43"





MESQUITE HILLS UNIT TWO

BENCHMARKS

VERTICAL DATUM IS CITY AS PER NATIONAL GEODETIC SURVEY MARKER "B 1383", PID# CE0410 NAVD 88 ELEVATION: 4013.41
CITY DATUM CONVERSION: 10.429
CITY DATUM ELEVATION: 4002.98

DATE	REVISIONS	BY
09-13-2007	Revise package as per revised plat.	E.F.G.

PROJECT NAME

MESQUITE HILLS UNIT TWO

BEING A PORTION OF TRACT 6, SECTION 16, PORTION OF TRACTS 1D AND 1E, SECTION 17, AND PORTION OF TRACTS 1A, 2, AND 3A, SECTION 21, BLOCK 80, TSP 1, TEXAS AND PACIFIC RAILROAD Co. SURVEYS, AND PORTION OF MESQUITE HILL DRIVE, MESQUITE HILLS, CITY OF EL PASO, EL PASO COUNTY, TEXAS
CONTAINING: 73.854 ACRES

SCALE
Horiz: 1"=30'
Vert: 1"=10'

DATE: MAY 2007
DESIGN BY: F.C.
INITIATED BY: E.F.G.
CHKD. BY: F.C.
JOB NO.: 1106-06

ENGINEER'S SEAL

STATE OF TEXAS
FRANCISCO CAMPA
99191
LICENSED
PROFESSIONAL ENGINEER

CONDE INC.
ENGINEERING / PLANNING
SURVEYING / GPS
1790 LEE TREVINO DR. STE 400
EL PASO, TEXAS 79936

CONDE INC.

SHEET TITLE
STREET PLAN-PROFILE

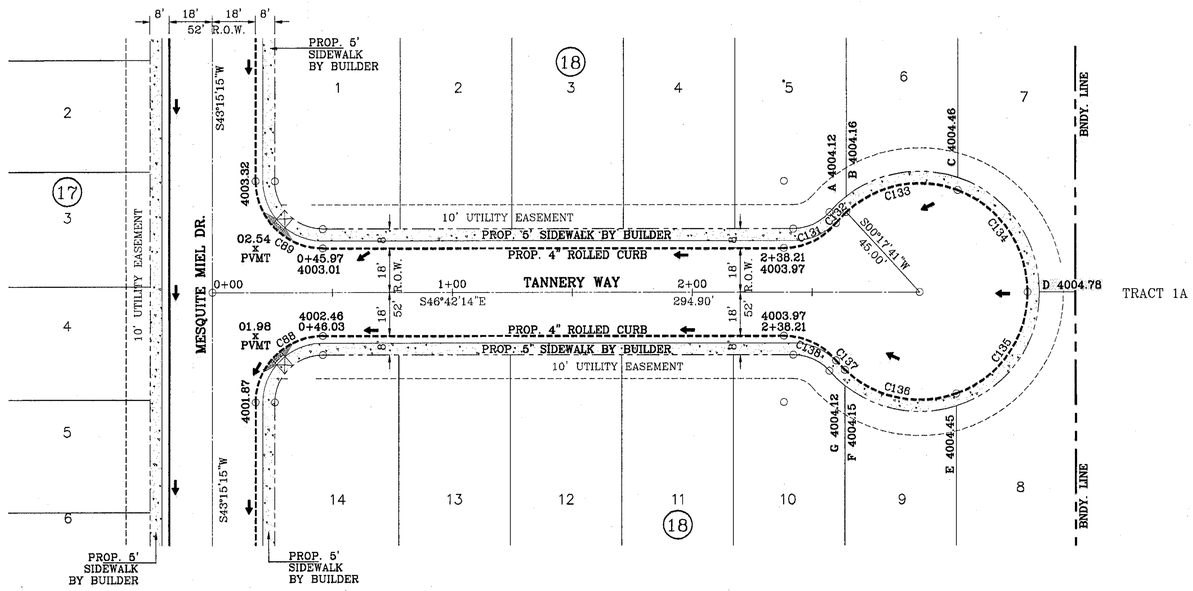
LAPSTONE WAY

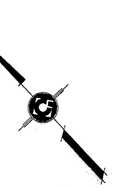
SHT 39 OF 59

103096

C:\Land Projects 2006\MESQUITE HILLS 2-RE\dwg\MH2-PP9-LAPSTONE.dwg, LAP1, 3/7/2008 9:32:30 AM

CURVE TABLE						
CURVE	RADIUS	LENGTH	TANGENT	CHORD	BEARING	DELTA
C88	28.00	44.00	28.02	39.61	S88°16'31"W	90°02'31"
C89	28.00	43.96	27.98	39.58	S01°43'29"E	89°57'29"
C131	28.00	24.89	13.34	24.08	S72°10'25"E	50°56'23"
C132	45.00	6.23	3.12	6.23	S86°19'32"W	7°56'17"
C133	45.00	49.93	27.88	47.41	N57°55'15"W	63°34'10"
C134	45.00	54.46	31.12	51.19	N06°31'56"E	69°20'11"
C135	45.00	55.22	31.69	51.82	N78°21'09"E	70°18'15"
C136	45.00	50.11	28.01	47.56	S34°35'48"E	63°47'51"
C137	45.00	5.45	2.73	5.44	S00°46'08"W	6°56'02"
C138	28.00	24.89	13.34	24.08	N21°14'02"W	50°56'23"





BENCHMARKS

VERTICAL DATUM IS CITY AS PER NATIONAL GEODETIC SURVEY MARKER "B 1383" PID# CE0410 NAVD 88 ELEVATION: 4013.41
CONTROLLING BENCHMARK: CITY
CITY DATUM ELEVATION: 4007.38

BY	REVISIONS	DATE

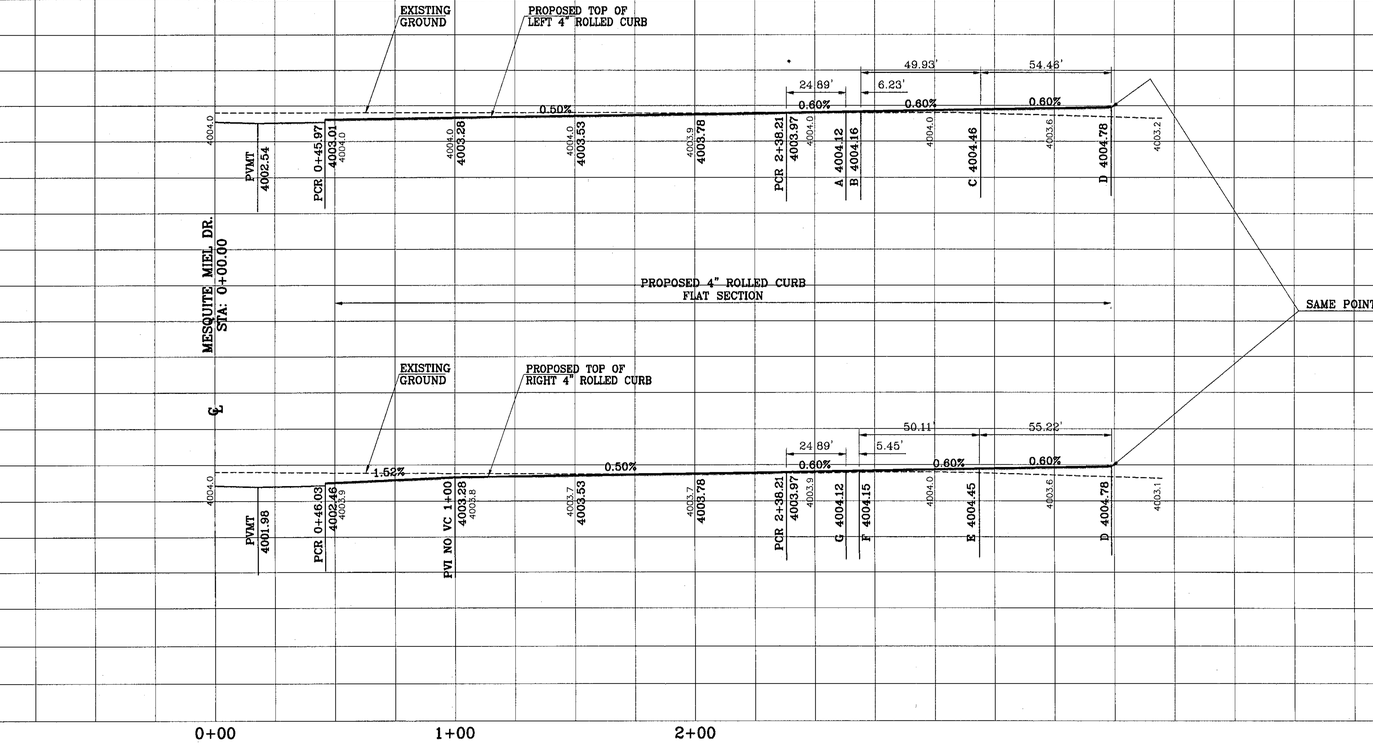
PROJECT NAME

MESQUITE HILLS UNIT TWO

BEING A PORTION OF TRACT 6, SECTION 16, PORTION OF TRACTS 1D AND 1E, SECTION 17, AND PORTION OF TRACTS 1A, 2, AND 3A, SECTION 21, BLOCK 80, TSP 1, TEXAS AND PACIFIC RAILROAD Co. SURVEYS, AND PORTION OF MESQUITE HILL DRIVE, MESQUITE HILLS, CITY OF EL PASO, EL PASO COUNTY, TEXAS
CONTAINING: 73.854 ACRES

SCALE
Horiz: 1"=50'
Vert: 1"=10'
DATE: MAY 2007
DESIGN BY: E.F.G.
INITIATED BY: E.F.G.
CHKD. BY: F.C.
JOB NO.: 1106-06

ENGINEER'S SEAL
STATE OF TEXAS
FRANCISCO CAMPA
99191
LICENSED PROFESSIONAL ENGINEER



CONDE INC.
ENGINEERING / PLANNING
SURVEYING / GPS
1790 LEE TREVINO DR. STE 400
EL PASO, TEXAS 79936

SHEET TITLE
STREET PLAN-PROFILE

TANNERY WAY

SHT 40 OF 59

MESQUITE HILLS UNIT TWO

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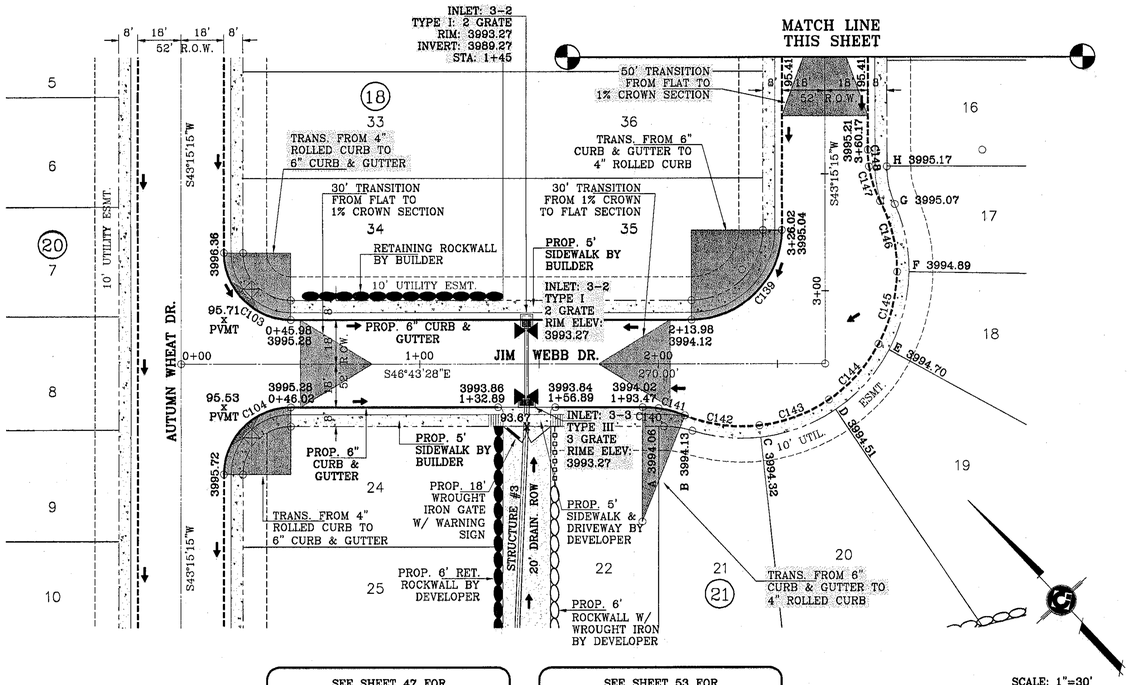
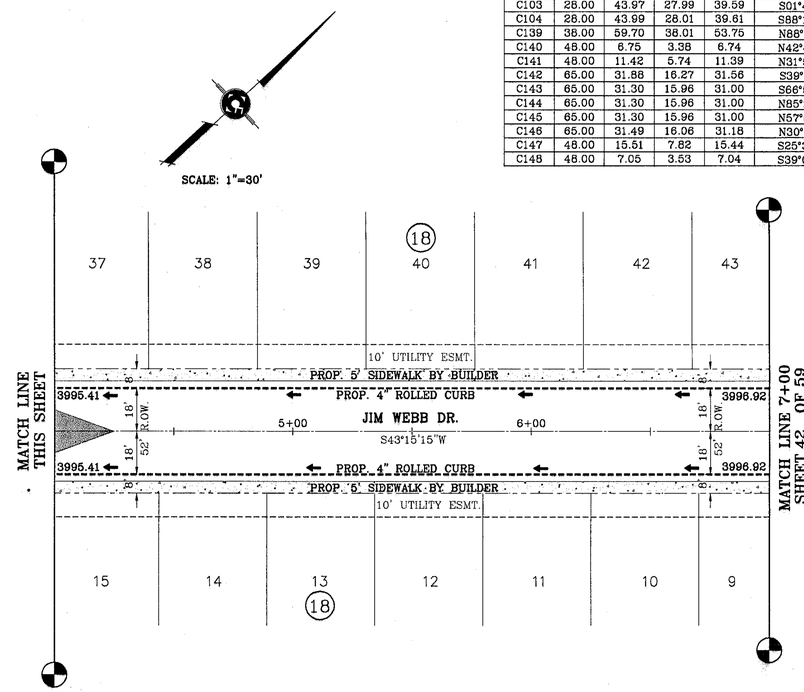


CURVE TABLE						
CURVE	RADIUS	LENGTH	TANGENT	CHORD	BEARING	DELTA
C103	28.00	43.97	27.99	39.59	S01°44'06"E	89°58'43"
C104	28.00	43.99	28.01	39.61	S88°15'54"W	90°01'17"
C139	38.00	59.70	38.01	53.75	N88°15'54"E	90°01'17"
C140	48.00	6.75	3.38	6.74	N42°41'48"W	8°03'20"
C141	48.00	11.42	5.74	11.39	N31°51'08"W	13°38'01"
C142	65.00	31.88	16.27	31.56	S39°05'11"E	28°06'07"
C143	65.00	31.30	15.96	31.00	S66°55'59"E	27°35'29"
C144	65.00	31.30	15.96	31.00	N85°28'33"E	27°35'29"
C145	65.00	31.30	15.96	31.00	N57°53'04"E	27°35'29"
C146	65.00	31.49	16.06	31.18	N30°12'43"E	27°45'12"
C147	48.00	15.51	7.82	15.44	S25°35'23"W	18°30'32"
C148	48.00	7.05	3.53	7.04	S39°02'57"W	8°24'36"



BENCHMARKS
VERTICAL DATUM IS CITY ASTRO MONUMENT GEODETIC SURVEY
MARKER "B 1383", PID# GD4010 NAVD 88 ELEVATION: 4013.41
CITY DATUM CONVERSION: 10.429
CITY DATUM ELEVATION: 4002.986

BY	DESCRIPTIONS
E.F.G.	02-11-2008 City Redlines as per 02-04-2008

PROJECT NAME

MESQUITE HILLS UNIT TWO

BEING A PORTION OF TRACT 6, SECTION 16, PORTION OF TRACTS 1D AND 1E, SECTION 17, AND PORTION OF TRACTS 1A, 2, AND 3A, SECTION 21, BLOCK 80, TSP 1, TEXAS AND PACIFIC RAILROAD SURVEY, CITY OF EL PASO, EL PASO COUNTY, TEXAS MESQUITE HILLS, CITY OF EL PASO, EL PASO COUNTY, TEXAS CONTAINING: 73.854 ACRES

SCALE
Horiz: 1"=30'
Vert: 1"=10'
DATE: MAY 2007
DESIGN BY: E.F.G.
INITIATED BY: E.F.G.
CHKD. BY: F.C.
JOB NO.: 1106-06

ENGINEER'S SEAL
STATE OF TEXAS
FRANCISCO CAMPA
99191
REGISTERED
PROFESSIONAL
ENGINEER

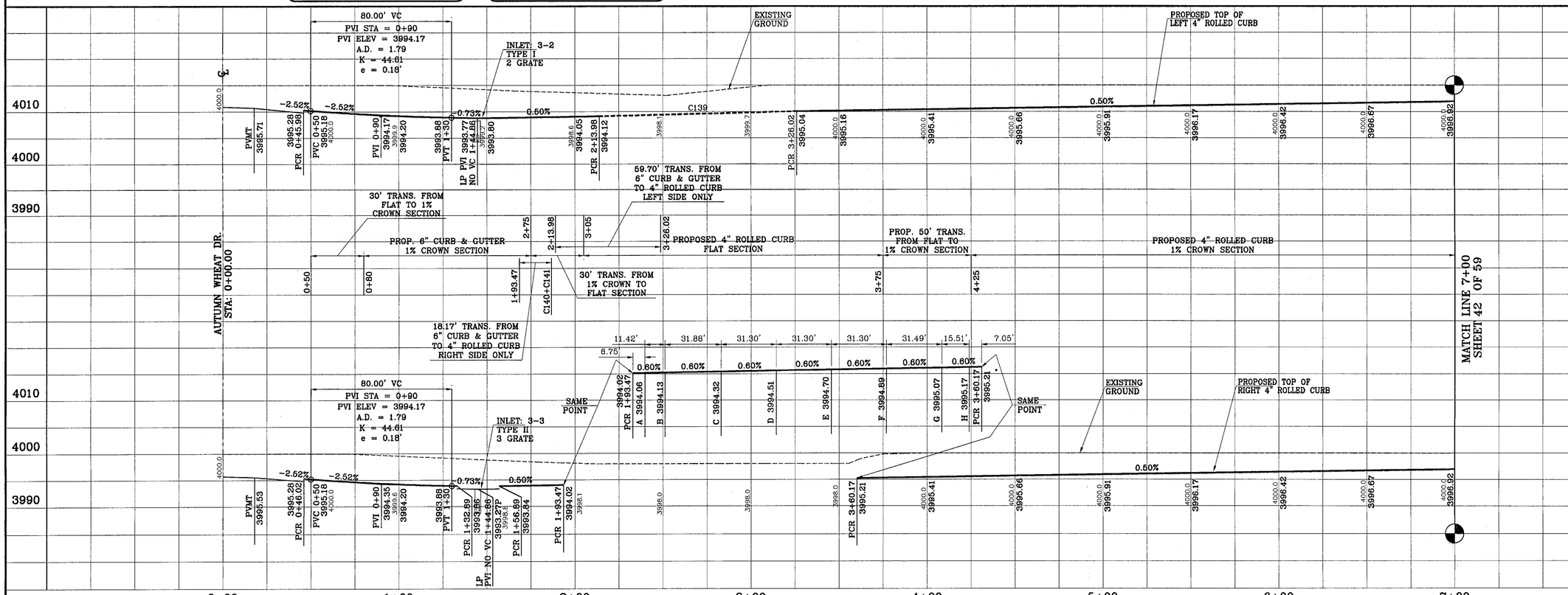
CONDE INC.
ENGINEERING / PLANNING
SURVEYING / GPS
1790 LEE TREVINO DR. STE 400
EL PASO, TEXAS 79936

CONDE INC.

SHEET TITLE
STREET
PLAN-PROFILE

JIM WEBB DR.

SHT 41 OF 59



MESQUITE HILLS UNIT TWO

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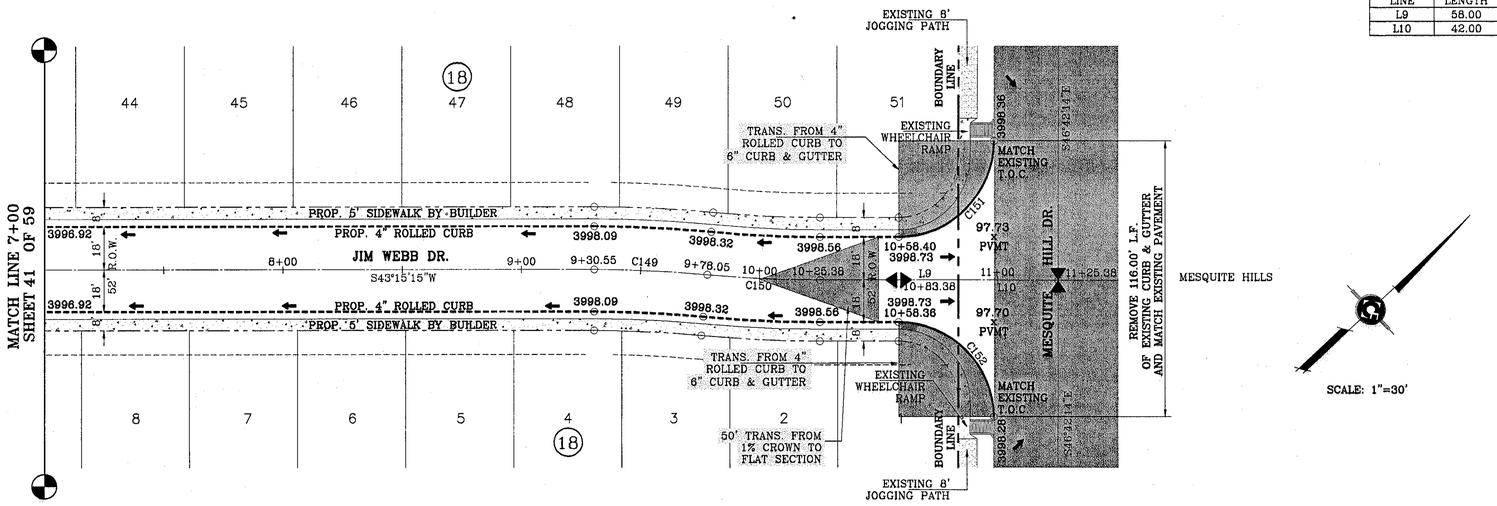
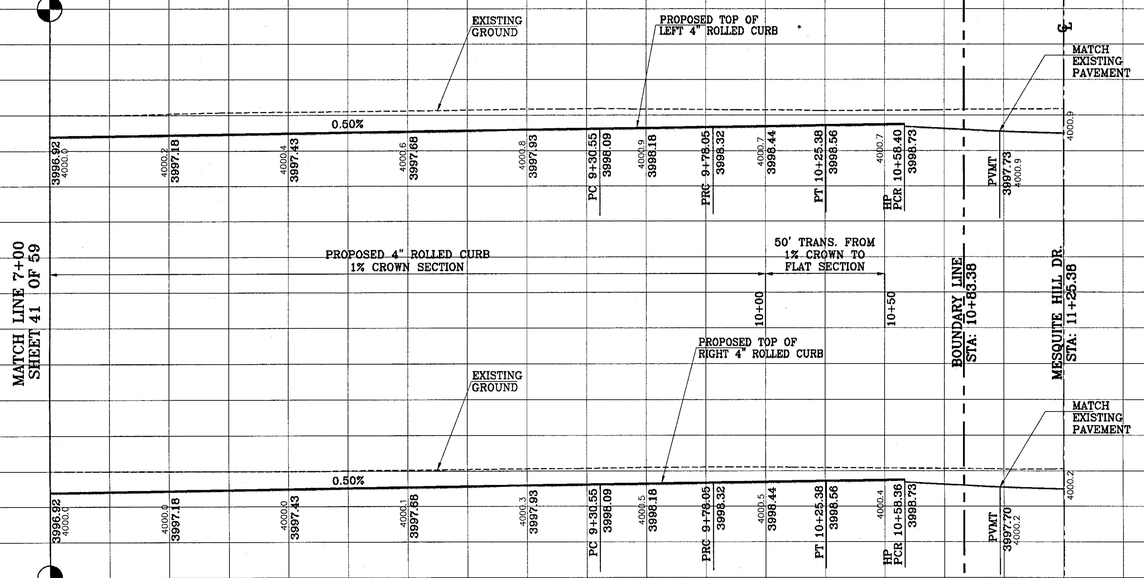
CURVE TABLE						
CURVE	RADIUS	LENGTH	TANGENT	CHORD	BEARING	DELTA
C149	500.00	47.51	23.77	47.49	S45°58'35"W	5°26'39"
C150	500.00	47.32	23.68	47.31	N45°59'13"E	5°25'22"
C151	40.00	62.82	39.99	56.56	N01°42'51"W	89°58'46"
C152	40.00	62.85	40.01	56.58	S88°17'09"W	90°01'14"

LINE TABLE		
LINE	LENGTH	BEARING
L9	58.00	43°16'32"
L10	42.00	43°16'32"





BENCHMARKS
VERTICAL DATUM IS CITY AS PER NATIONAL GEODETIC SURVEY MARKER "B 1383", PID# CE0410 NAVD 88 ELEVATION: 4013.41
CITY DATUM CONVERSION: -10.429
CITY DATUM ELEVATION: 4002.98

REVISIONS			BY
DATE			

PROJECT NAME

MESQUITE HILLS UNIT TWO

BEING A PORTION OF TRACT 6, SECTION 16, PORTION OF TRACTS 1D AND 1E, SECTION 17, AND PORTION OF TRACTS 1A, 2, AND 3A, SECTION 21, BLOCK 80, TSP 1, TEXAS AND PACIFIC RAILROAD Co. SURVEYS, AND PORTION OF MESQUITE HILL DRIVE. MESQUITE HILLS, CITY OF EL PASO, EL PASO COUNTY, TEXAS
CONTAINING: 73.854 ACRES

SCALE
Horiz: 1"=30'
Vert: 1"=10'
DATE: MAY 2007
DESIGN BY: F.C.
INITIATED BY: E.F.G.
CHKD. BY: F.C.
JOB NO.: 1105-06

ENGINEER'S SEAL
STATE OF TEXAS
FRANCISCO CAMPA
99191
LICENSED PROFESSIONAL ENGINEER
CONDE INC.

CONDE INC.
ENGINEERING / PLANNING
SURVEYING / GPS
1790 LEE TREVINO DR. STE 400
EL PASO, TEXAS 79936

SHEET TITLE
STREET
PLAN-PROFILE

JIM WEBB DR.

SHT 42 OF 59

MESQUITE HILLS UNIT TWO

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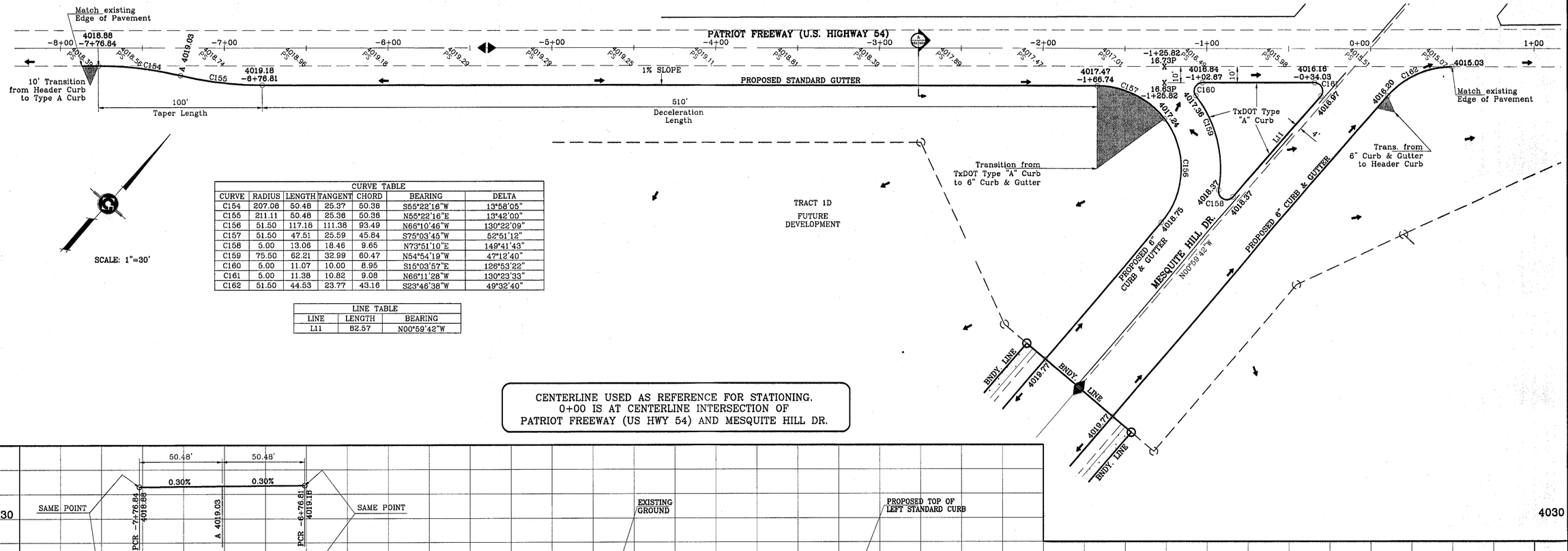
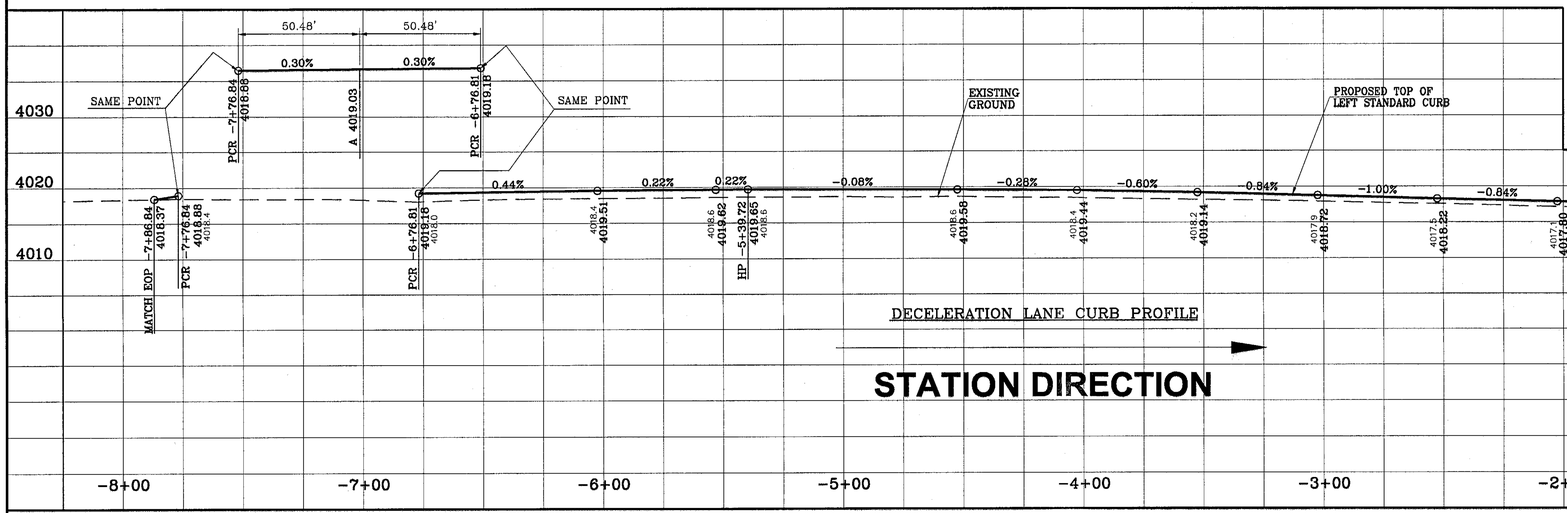


CURVE TABLE						
CURVE	RADIUS	LENGTH	TANGENT	CHORD	BEARING	DELTA
C154	207.08	50.48	25.37	50.36	S55°22'16"W	13°58'05"
C155	211.11	50.48	25.36	50.36	N55°22'16"E	13°42'00"
C156	51.50	117.18	111.38	93.49	N66°10'46"W	130°22'09"
C157	51.50	47.51	25.59	45.84	S75°03'45"W	52°51'12"
C158	5.00	13.06	18.46	9.65	N73°51'10"E	149°41'43"
C159	75.50	62.21	32.99	60.47	N54°54'19"W	47°12'40"
C160	5.00	11.07	10.00	8.95	S15°03'57"E	126°53'22"
C161	5.00	11.38	10.82	9.08	N66°11'28"W	130°23'33"
C162	51.50	44.53	23.77	43.16	S23°46'38"W	49°32'40"

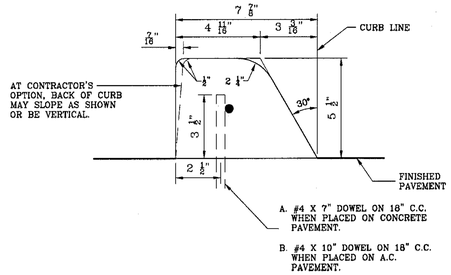
LINE TABLE		
LINE	LENGTH	BEARING
L11	82.57	N00°59'42"W

CENTERLINE USED AS REFERENCE FOR STATIONING.
0+00 IS AT CENTERLINE INTERSECTION OF
PATRIOT FREEWAY (US HWY 54) AND MESQUITE HILL DR.



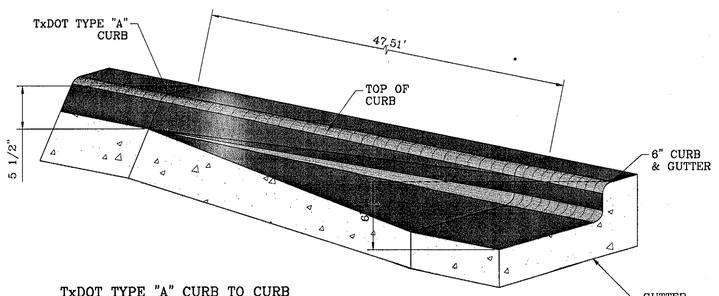
DECELERATION LANE CURB PROFILE

STATION DIRECTION

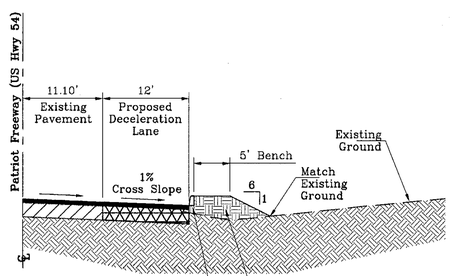


NOTE:
CONCRETE CURB-TYPE A WILL BE LAID ON TOP OF CONC. PAV. OR A.C. PAV. WHERE SHOWN ON THE PLANS.

CONCRETE CURB (TYPE A) TxDOT
N.T.S.



TxDOT TYPE "A" CURB TO CURB & GUTTER TRANSITION
SCALE: 1"=1'



SECTION A
SCALE:
HORIZONTAL: 1"=10'
VERTICAL: 1"=3'

BENCHMARKS
VERTICAL DATUM IS CITY AS PER NATIONAL GEODETIC SURVEY MARKER "B 1383", PID# CE0410 NAVD 88 ELEVATION: 4013.41
HORIZONTAL DATUM NAD 83 CITY DATUM ELEVATION: 4002.58

DATE	REVISIONS	BY
08-31-2007	Revise package as per revised plat.	E.F.G.
02-11-2008	City Redlines as per 02-04-2008.	E.F.G.

PROJECT NAME

MESQUITE HILLS UNIT TWO

BEING A PORTION OF TRACT 6, SECTION 16, PORTION OF TRACTS 1D AND 1E, SECTION 17, AND PORTION OF TRACTS 1A, 2, AND 3A, SECTION 21, BLOCK 80, TSP 1, TEXAS AND PACIFIC RAILROAD Co. SURVEYS, AND PORTION OF MESQUITE HILL DRIVE, MESQUITE HILLS, CITY OF EL PASO, EL PASO COUNTY, TEXAS
CONTAINING: 73.854 ACRES

SCALE
Horiz: 1"=30'
Vert: 1"=10'
DATE: MAY 2007
DESIGN BY: F.C.
INITIATED BY: E.F.G.
CHKD. BY: F.C.
JOB NO.: 1108-06

ENGINEER'S SEAL
STATE OF TEXAS
FRANCISCO CAMPA
98191
LICENSED PROFESSIONAL ENGINEER

CONDE INC.
ENGINEERING / PLANNING
SURVEYING / GPS
1790 LEE TREVINO DR. STE 400
EL PASO, TEXAS 79936

CONDE INC.

SHEET TITLE
STREET PLAN-PROFILE

DECELERATION LANE

SHT 42A OF 59

MESQUITE HILLS UNIT TWO

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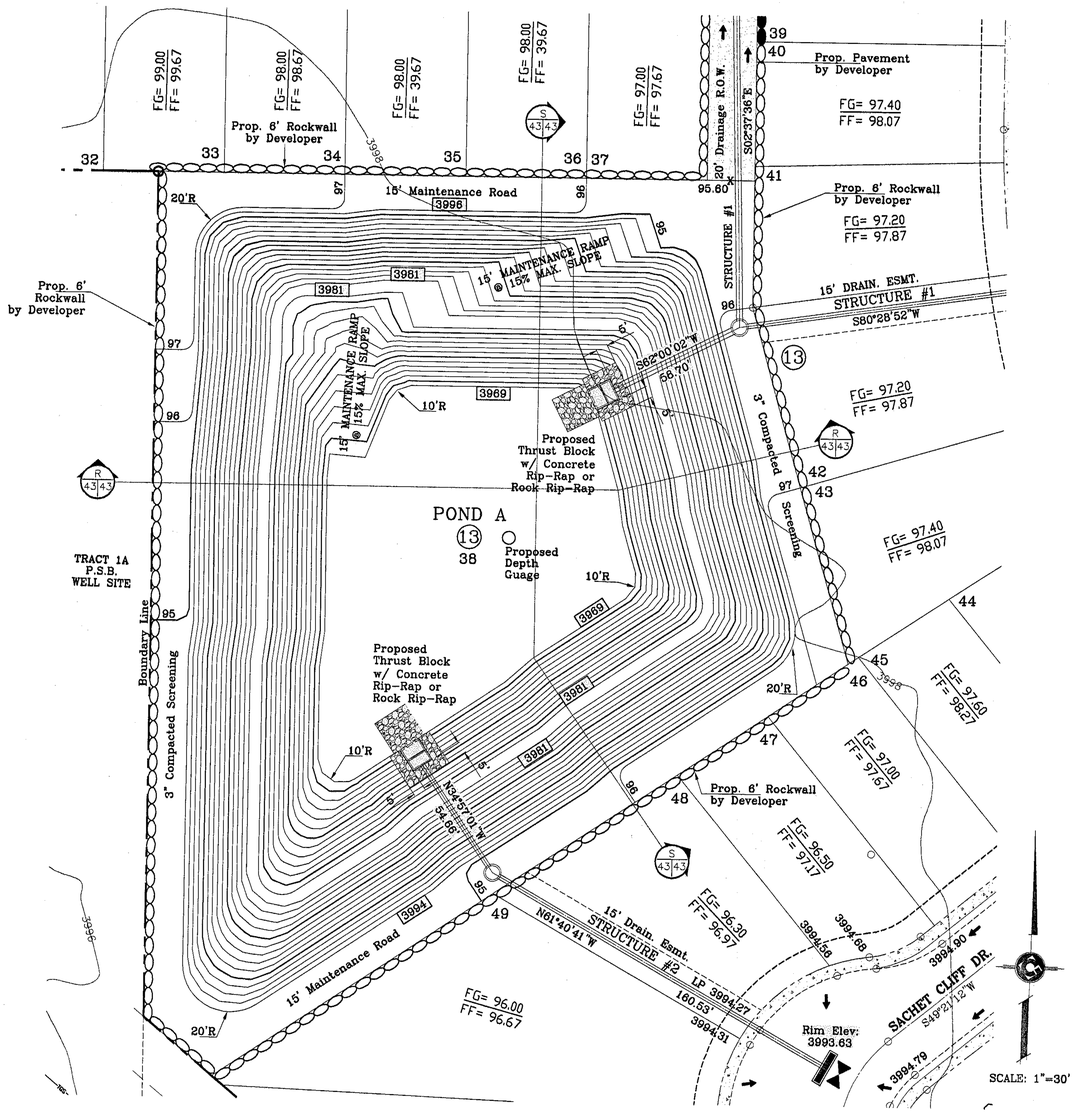


POND A – PLAN VIEW
SCALE: 1"=30'

WATERSHED – POND A

$$Q = \frac{A\ R\ C}{12} = AC\text{-}FT$$

POND CALC.
Q=ARC/12
A=TOTAL RUNOFF IN AC/FT.(100%)
R=RAINFALL IIN INCHES
C=RUNOFF FACTOR

RES. & POND $= \frac{50.43(4).60}{12} = 10.09$ ac-ft

MESQUITE HILLS UNIT 1 $= \frac{13.01(4).68}{12} = 2.94$ ac-ft

25% EMERGENCY = 3.26 ac-ft

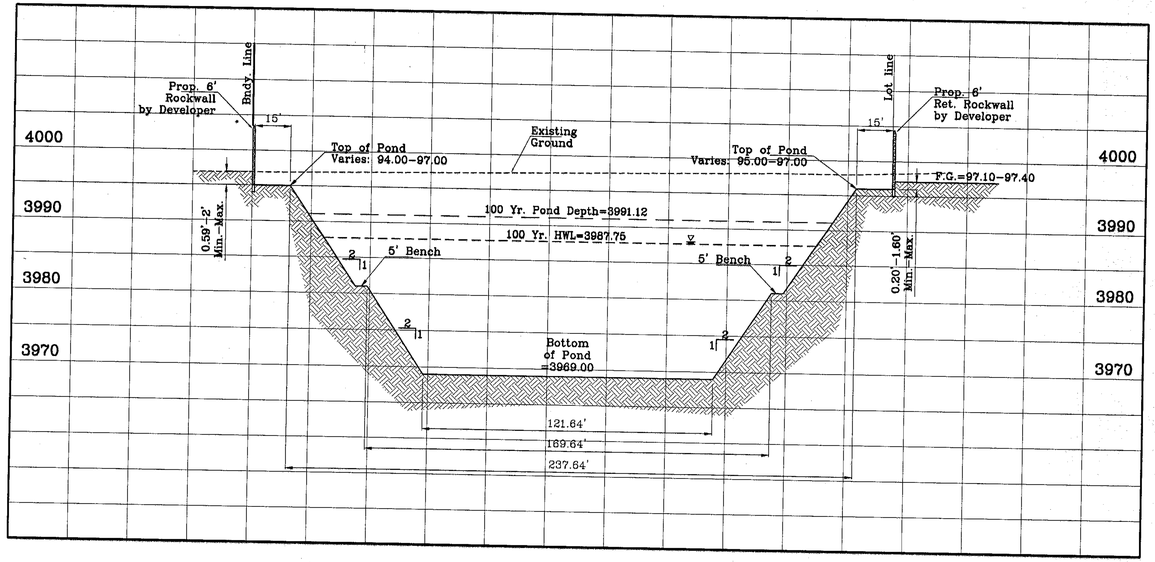
SILT & DEBRIS = 0.76 ac-ft

Qreq (TOTAL) = 17.05 ac-ft
Qcap (TOTAL) = 20.89 ac-ft

100 YR. PONDED DEPTH = 3991.12
100 YR. HWL = 3987.75

Pond Output
Units=Elevation,ft,Volume,acft,Volume,acft

Elev ft	Conic Vol acft	Cumml Avg acft
3994.00	1.38	20.89
3993.00	1.33	19.51
3992.00	1.28	18.18
3991.00	1.24	16.89
3990.00	1.19	15.65
3989.00	1.15	14.46
3988.00	1.10	13.31
3987.00	1.06	12.21
3986.00	1.02	11.15
3985.00	0.97	10.14
3984.00	0.93	9.18
3983.00	0.89	8.23
3982.00	0.85	7.34
3981.00	0.77	6.49
3980.00	0.68	5.72
3979.00	0.65	5.03
3978.00	0.61	4.39
3977.00	0.58	3.77
3976.00	0.55	3.19
3975.00	0.51	2.65
3974.00	0.48	2.13
3973.00	0.45	1.65
3972.00	0.43	1.20
3971.00	0.40	0.77
3970.00	0.37	0.37
3969.00	0.00	0.00



SECTION R
SCALE:
HORIZONTAL: 1"=30'
VERTICAL: 1"=10'

SECTION S
SCALE:
HORIZONTAL: 1"=30'
VERTICAL: 1"=10'

SEE SHEET 46
FOR STRUCTURE #1 DETAILS

SEE SHEET 47
FOR STRUCTURE #2 DETAILS

SEE SHEET 49
FOR THRUST BLOCK DETAILS

SEE SHEET 53
FOR WROUGHT IRON GATE DETAILS

LEGEND

⊂⊃	PROPOSED 6' ROCKWALL
0000.00	PROP. TOP OF CURB ELEV.
0000	PROP. POND CONTOUR ELEV.

BENCHMARKS
VERTICAL DATUM IS CITY AS PER NATIONAL GEODETIC SURVEY
CITY BM "TB" 1383', PID# EC0410 NAVD 88 ELEVATION: 4013.41
CITY BM "TB" 1383', PID# EC0410 NGVD 29
CITY DATUM ELEVATION: 4002.98

DATE	REVISIONS	BY
08-30-2007	Revise package as per revised plat.	E.F.G.

PROJECT NAME
MESQUITE HILLS UNIT TWO

BEING A PORTION OF TRACT 6, SECTION 16, PORTION OF TRACTS 1D AND 1E, SECTION 17, AND PORTION OF TRACTS 3A, SECTION 21, BLOCK 80, TSP 1, TEXAS AND PACIFIC RAILROAD Co. SURVEYS, AND PORTION OF MESQUITE HILL DRIVE.
MESQUITE HILLS, CITY OF EL PASO, EL PASO COUNTY, TEXAS
CONTAINING: 73.854 ACRES

SCALE
Horiz: 1"=30'
Vert: --
DATE: MAY 2007
DESIGN BY: F.C.
INITIATED BY: E.F.G.
CHKD. BY: F.C.
JOB NO.: 1106-06

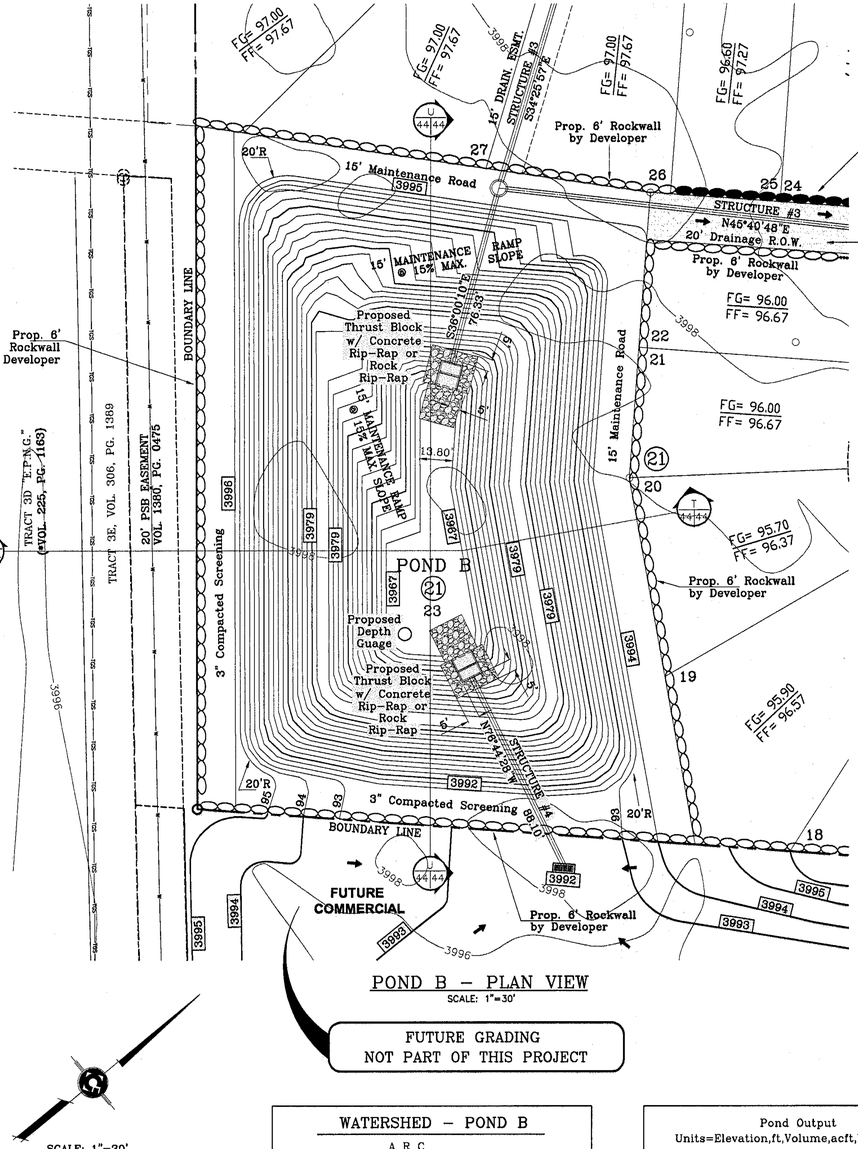
ENGINEER'S SEAL
FRANCISCO CAMPA
99191
LICENSED PROFESSIONAL ENGINEER
STATE OF TEXAS

CONDE INC.
ENGINEERING / PLANNING
SURVEYING / GPS
1790 LEE TREVINO DR. STE. 400
EL PASO, TEXAS 79936
CONDE INC.

SHEET TITLE
POND A SECTIONS AND CALCULATIONS

SHT 43 OF 59

C:\Land Projects 2006\MESQUITE HILLS 2-REv\dwg\MH2-POND.dwg, PS1, 3/7/2008 8:12:54 AM



POND B – PLAN VIEW

SCALE: 1"=30'

FUTURE GRADING
NOT PART OF THIS PROJECT

SCALE: 1"=30'

WATERSHED – POND B

$$Q = \frac{A\ R\ C}{12} = AC\text{-}FT$$

POND CALC.
Q=ARC/12
A=TOTAL RUNOFF IN AC/FT.(100%)
R=RAINFALL IIN INCHES
C=RUNOFF FACTOR

RES. & POND: $\frac{17.06(4).60}{12}$ = 3.41 ac-ft

FUTURE COMMERCIAL: $\frac{10.04(4).85}{12}$ = 2.84 ac-ft

25% EMERGENCY = 1.56 ac-ft

SILT & DEBRIS = 0.32 ac-ft

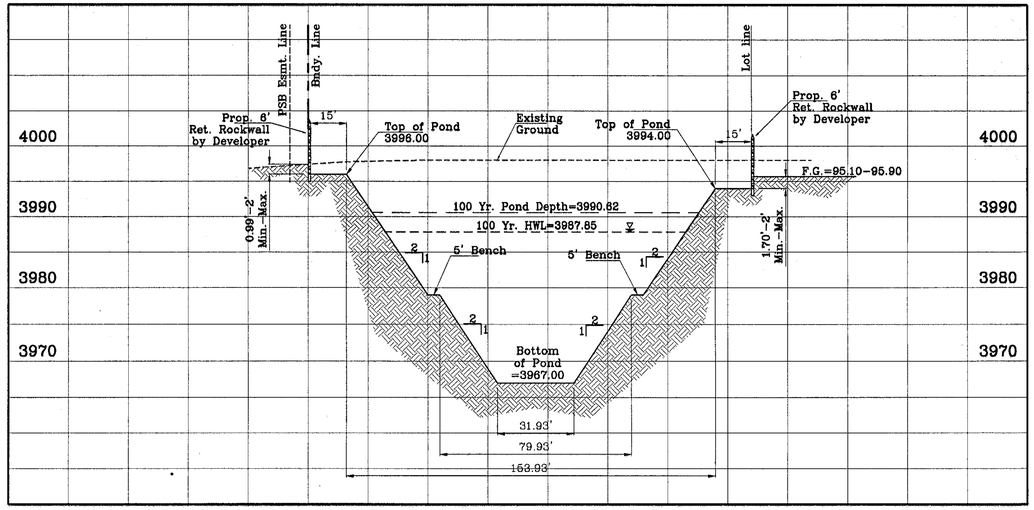
Qreq (TOTAL) = 8.13 ac-ft

Qcap (TOTAL) = 9.17 ac-ft

100 YR. PONDED DEPTH = 3990.62
100 YR. HWL = 3987.85

Pond Output
Units=Elevation,ft,Volume,acft,Volume,acft

Elev ft	Conic Vol acft	Cumml Avg acft
3992.00	0.77	9.17
3991.00	0.73	8.40
3990.00	0.69	7.68
3989.00	0.65	6.99
3988.00	0.61	6.34
3987.00	0.58	5.73
3986.00	0.54	5.15
3985.00	0.51	4.61
3984.00	0.48	4.10
3983.00	0.45	3.62
3982.00	0.42	3.17
3981.00	0.39	2.76
3980.00	0.36	2.37
3979.00	0.31	2.00
3978.00	0.25	1.70
3977.00	0.23	1.44
3976.00	0.21	1.21
3975.00	0.19	1.00
3974.00	0.17	0.81
3973.00	0.15	0.64
3972.00	0.13	0.49
3971.00	0.11	0.36
3970.00	0.10	0.24
3969.00	0.08	0.15
3968.00	0.07	0.07
3967.00	0.00	0.00



SECTION T

SCALE:
HORIZONTAL: 1"=30'
VERTICAL: 1"=10'

SECTION U

SCALE:
HORIZONTAL: 1"=30'
VERTICAL: 1"=10'

SEE SHEET 47
FOR STRUCTURE #3 DETAILS

SEE SHEET 48
FOR STRUCTURE #4 DETAILS

SEE SHEET 49
FOR THRUST BLOCK DETAILS

SEE SHEET 53
FOR WROUGHT IRON GATE DETAILS

LEGEND

⊂⊃⊂⊃	PROPOSED 6' ROCKWALL
0000.00	PROP. TOP OF CURB ELEV.
0000	PROP. POND CONTOUR ELEV.

BENCHMARKS
VERTICAL DATUM IS CITY AS PER NATIONAL GEODETIC SURVEY MARKER "B 1383", PID# EC0410 NAVD 88 ELEVATION: 4013.41
CITY DATUM ELEVATION: 4002.93

DATE	REVISIONS	BY
08-30-2007	Revise package as per revised plat.	E.F.G.
02-11-2008	City Redlines as per 02-04-2008.	E.F.G.

PROJECT NAME

MESQUITE HILLS UNIT TWO

BEING A PORTION OF TRACT 6, SECTION 16, PORTION OF TRACTS 1D AND 1E, SECTION 17, AND PORTION OF TRACTS 1A, 2, AND 3A, SECTION 21, BLOCK 80, TSP 1, TEXAS AND PACIFIC RAILROAD Co. SURVEYS, AND PORTION OF MESQUITE HILL DRIVE, MESQUITE HILLS, CITY OF EL PASO, EL PASO COUNTY, TEXAS CONTAINING: 73.854 ACRES

SCALE
Horiz: 1"=30'
Vert: --
DATE: MAY 2007
DESIGN BY: F.C.
INITIATED BY: E.F.G.
CHKD. BY: F.C.
JOB NO.: 1106-05

ENGINEER'S SEAL
STATE OF TEXAS
99191
FRANCISCO CAMPA
LICENSED PROFESSIONAL ENGINEER

CONDE INC.
ENGINEERING / PLANNING
SURVEYING / GPS
1790 LEE TREVINO DR. STE 400
EL PASO, TEXAS 79936
CONDE INC.

SHEET TITLE

POND B SECTIONS AND CALCULATIONS

SHT 44 OF 59

MESQUITE HILLS UNIT TWO

103096

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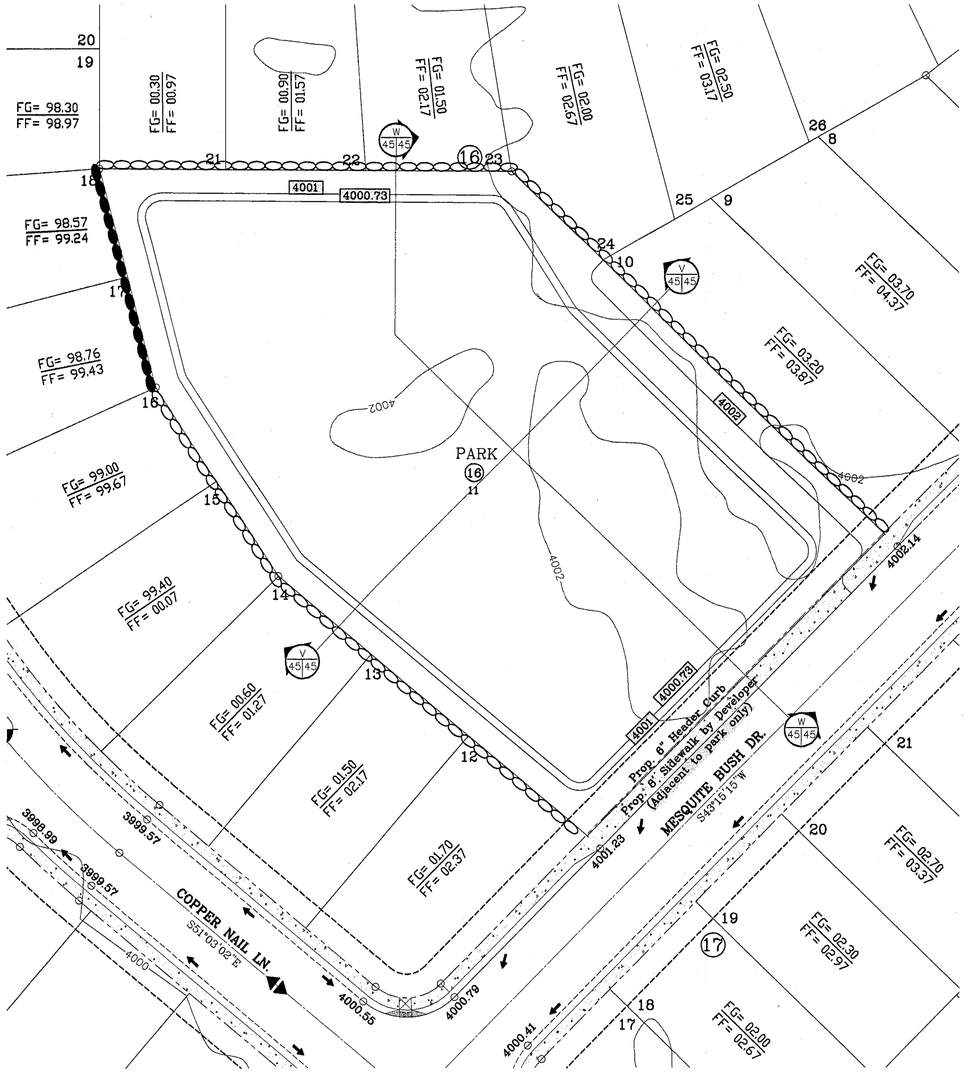
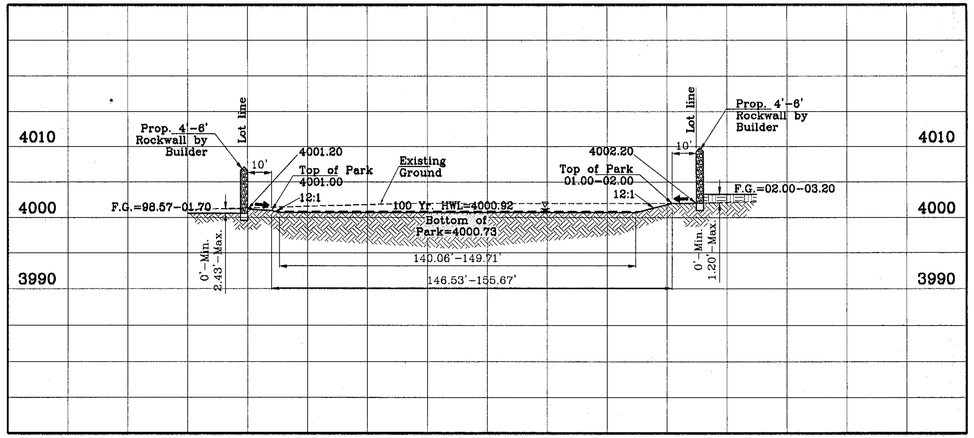


PARK – PLAN VIEW

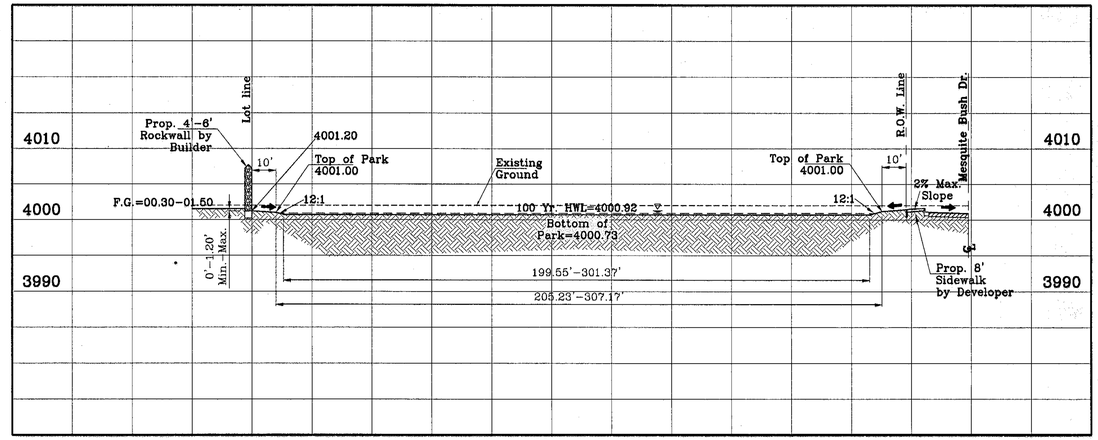
SCALE: 1"=30'

SCALE: 1"=30'



SECTION V

SCALE:
HORIZONTAL: 1"=30'
VERTICAL: 1"=10'



SECTION W

SCALE:
HORIZONTAL: 1"=30'
VERTICAL: 1"=10'

TOP SOIL SHALL COMPLY WITH CITY OF EL PASO PARKS & RECREATION DEPARTMENT PARK DESIGN GUIDELINES AND STANDARDS, SODDING SPECIFICATION 1.02C.

SEE SHEET 9 FOR CROSS SECTION OF RETAINING ROCKWALL

SEE SHEET 32 & 53 FOR PARK SIDEWALK DETAILS

SEE SHEET L1-L2 FOR PARK IRRIGATION PLAN & DETAILS

ON SITE PONDING CALCULATIONS

Q= TOTAL RUNOFF IN ACRE-FEET
A= 100% OF WATERSHED AREA IN ACRES
R= RAINFALL IN INCHES
C= RUNOFF FACTOR INCHES

$Q=\frac{ARC}{12}=\frac{A(4)(0.4)}{12}=Q_R$ ac-ft

10 YR. SILT & DEBRIS
Q = 0.012 AC-FT/AC

DRAINAGE COMPUTATIONS

LOT No.	BLOCK No.	POND AREA (AC)	POND VOLUME (AC. FT.)	25% EMERGENCY	REQ'D. POND VOLUME (AC. FT.)	REQ'D DEPTH (FEET)	HIGH WATER ELEV.
11	16	1.18	0.18	0.04	0.22	0.19	4000.92

LEGEND

- PROPOSED 6' ROCKWALL
- PROPOSED 6' RETAINING ROCKWALL
- 0000.00 PROP. TOP OF CURB ELEV.
- [0000] PROP. POND CONTOUR ELEV.

Park Output
Units=Elevation,ft,Volume,acft,Volume,acft

Elev ft	Conic Vol acft	Cumml Avg acft
4001.00	0.24	0.24
4000.73	0.00	0.00

BENCHMARKS
VERTICAL DATUM IS CITY AS PER NATIONAL GEODETIC SURVEY MARKER "D 1383", PID# CD0410 NAVD 88 ELEVATION: 4013.41
CITY DATUM CONVERSION: -10.429
CITY DATUM ELEVATION: 4002.98

DATE	REVISIONS	BY
09-19-2007	Revise package as per revised plat.	E.F.G.
02-11-2006	City Redlines as per 02-04-2006.	E.F.G.

PROJECT NAME:

MESQUITE HILLS UNIT TWO

BEING A PORTION OF TRACT 6, SECTION 16, PORTION OF TRACTS 1D AND 1E, SECTION 17, AND PORTION OF TRACTS 1A, 2, AND 3A, SECTION 21, BLOCK 80, TSP 1, TEXAS AND PACIFIC RAILROAD Co. SURVEYS, AND PORTION OF MESQUITE HILL DRIVE, MESQUITE HILLS, CITY OF EL PASO, EL PASO COUNTY, TEXAS CONTAINING: 73.854 ACRES

SCALE
Horiz: 1"=30'
Vert: --
DATE: MAY 2007 F.C.
DESIGN BY F.C.
INITIATED BY: E.F.G.
CHKD. BY: F.C.
JOB NO.: 1106-05

ENGINEER'S SEAL
STATE OF TEXAS
FRANCISCO CAMPA
99191
LICENSED PROFESSIONAL ENGINEER

CONDE INC.
ENGINEERING / PLANNING
SURVEYING / GPS
1790 LEE TREVINO DR STE 400
EL PASO, TEXAS 79936

CONDE INC.

SHEET TITLE

PARK SECTIONS AND CALCULATIONS

SHT 45 OF 59

103096

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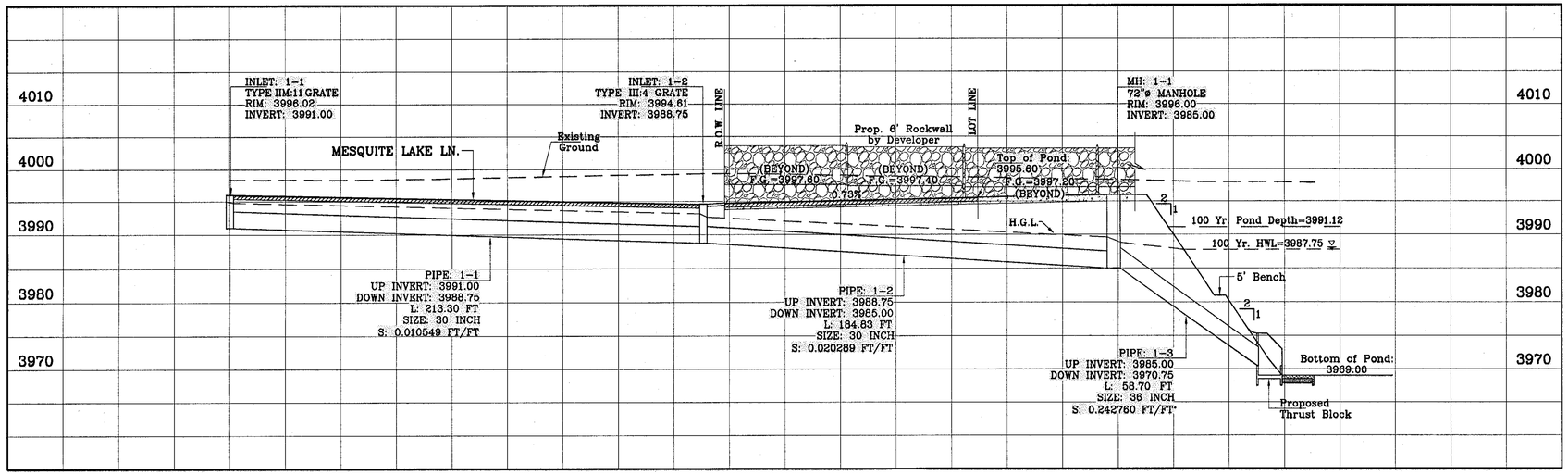


STRUCTURE #1 PROFILE
SCALE – HORIZONTAL: 1"=30'
VERTICAL: 1"=10'

CONSTRUCTION NOTES:

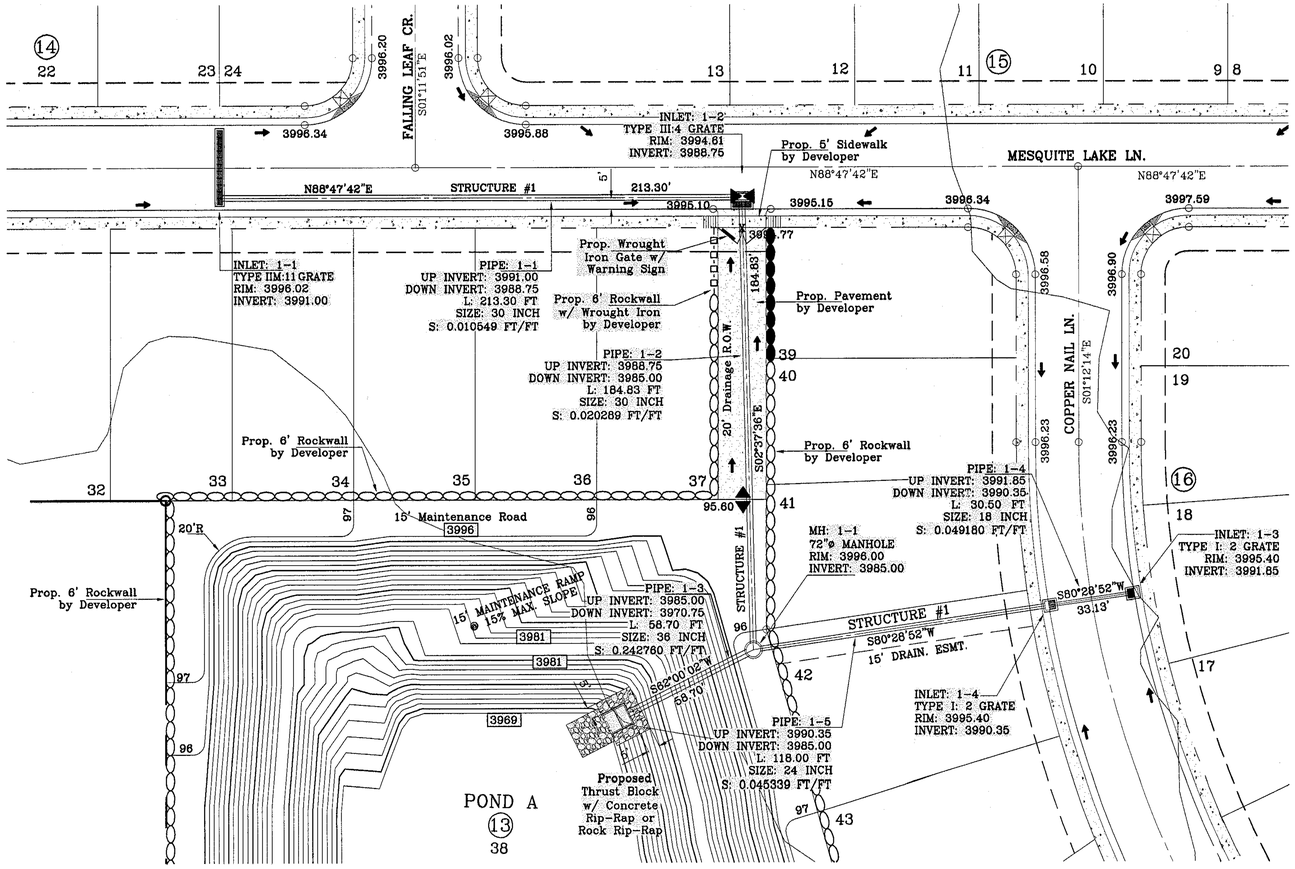
1. ALL CONCRETE FOR STRUCTURES SHALL BE 3000 PSI. UNLESS OTHERWISE NOTED.
2. MINIMUM COVER FOR REINFORCING STEEL SHALL BE 2" UNLESS OTHERWISE NOTED.
3. 95% COMPACTION REQUIRED FOR STRUCTURES AS PER ASTM D1557.
4. REINFORCING SHALL CONFORM TO THE REQUIREMENTS OF ASTM A615 GRADE 60.

*** ALL PIPES R.C.P. CLASS III UNLESS OTHERWISE NOTED**

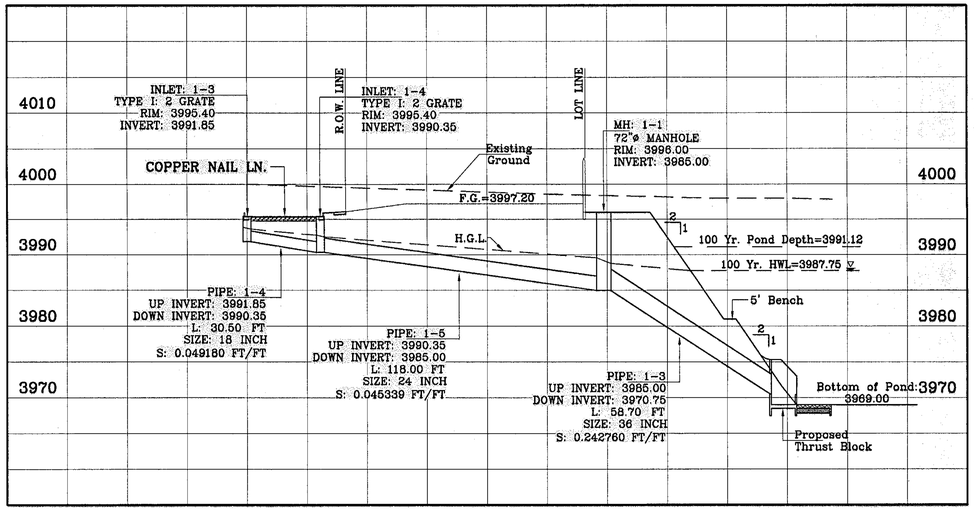
SEE SHEET 49 FOR STRUCTURE #1 DETAILS

SEE SHEET 49 FOR THRUST BLOCK DETAILS

SEE SHEET 53 FOR WROUGHT IRON GATE & WROUGHT IRON/ROCKWALL DETAILS



STRUCTURE #1 PLANVIEW
SCALE: 1"=30'



STRUCTURE #1 PROFILE
SCALE – HORIZONTAL: 1"=30'
VERTICAL: 1"=10'

R.C.P. PIPE DATA

Pipe	Section Size (in)	Length (ft)	Constructed slope (ft/ft)	Discharge (cfs)	Capacity (cfs)	Average vel (fps)	Downstream ground	Downstream HGL	Downstream invert	Upstream HGL	Upstream ground	Upstream invert
P1-1	30	213.30	0.010549	35.82	42.12	7.30	3994.61	3993.17	3988.75	3994.80	3996.02	3991.00
P1-2	30	184.83	0.020289	53.00	58.42	10.80	3998.00	3989.58	3985.00	3992.87	3994.61	3988.75
P1-3	36	58.70	0.242760	88.56	328.61	12.53	3994.00	3987.75	3970.75	3988.78	3996.00	3985.00
P1-4	18	30.50	0.049180	17.78	23.29	10.06	3995.40	3992.73	3990.35	3993.60	3995.40	3991.85
P1-5	24	118.00	0.045339	35.56	48.17	11.32	3998.00	3989.58	3985.00	3992.50	3995.40	3990.35

INLET DATA

INLET No.	TYPE	No. GRATES	Qd	Qc
			cfs	cfs
1-1	II MOD.	11	35.82	85.80
1-2	III	4	17.18	29.28
1-3	I	2	17.78	20.64
1-4	I	2	17.78	20.64

SCALE: 1"=30'

BENCHMARKS
VERTICAL DATUM IS CITY AS PER NATIONAL GEODETIC SURVEY
MARKER "D 1353", PID# CD0410 NAVD 88 ELEVATION: 4013.41
CITY DATUM CONVERSION: 10.429
CITY DATUM ELEVATION: 4002.98

DATE	REVISIONS	BY
09-13-2007	Revise package as per revised plat.	E.F.G.
02-11-2008	City Redlines as per 02-04-2008.	E.F.G.

PROJECT NAME

MESQUITE HILLS UNIT TWO

BEING A PORTION OF TRACT 6, SECTION 16, PORTION OF TRACTS 1D AND 1E, SECTION 17, AND PORTION OF TRACTS 1A, 2, AND 3A, SECTION 21, BLOCK 80, TSP 1, TEXAS AND PACIFIC RAILROAD Co. SURVEYS, AND PORTION OF MESQUITE HILL DRIVE. MESQUITE HILLS, CITY OF EL PASO, EL PASO COUNTY, TEXAS CONTAINING: 73.854 ACRES

SCALE
Horiz: 1"=30'
Vert: 1"=10'

DATES: MAY 2007
DESIGN BY: F.C.
INITIATED BY: E.F.G.
CHKD. BY:
JOB NO.: 1108-06

ENGINEER'S SEAL
STATE OF TEXAS
FRANCISCO CAMPA
99191
LICENSED PROFESSIONAL ENGINEER

CONDE INC.
ENGINEERING / PLANNING
SURVEYING / GPS
1790 LEE TREVINO DR STE 400
EL PASO, TEXAS 79936

CONDE INC.

SHEET TITLE

DRAINAGE STRUCTURE #1

103096

MESQUITE HILLS UNIT TWO

103096

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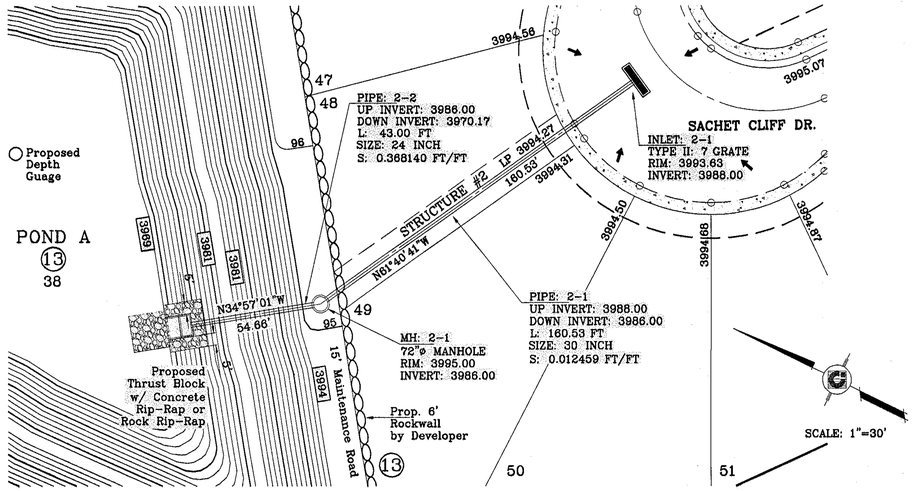
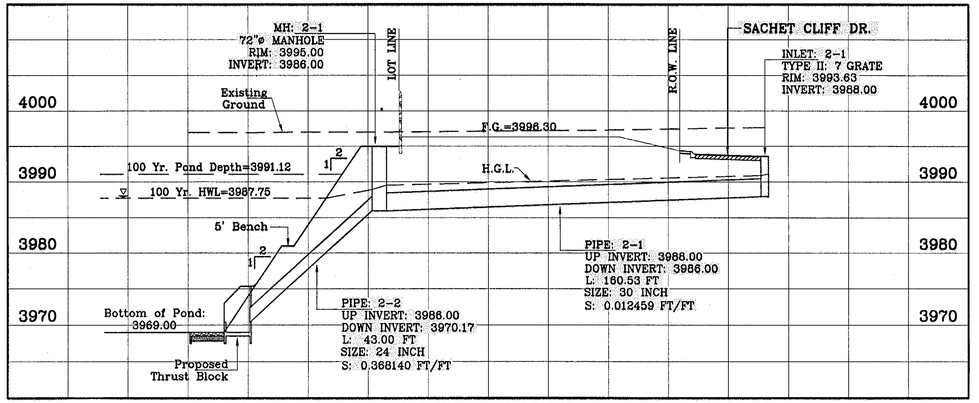


STRUCTURE #2 PLANVIEW
SCALE: 1"=30'



STRUCTURE #2 PROFILE
SCALE – HORIZONTAL: 1"=30'
VERTICAL: 1"=10'

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 PIPES R.C.P. CLASS III UNLESS OTHERWISE NOTED**

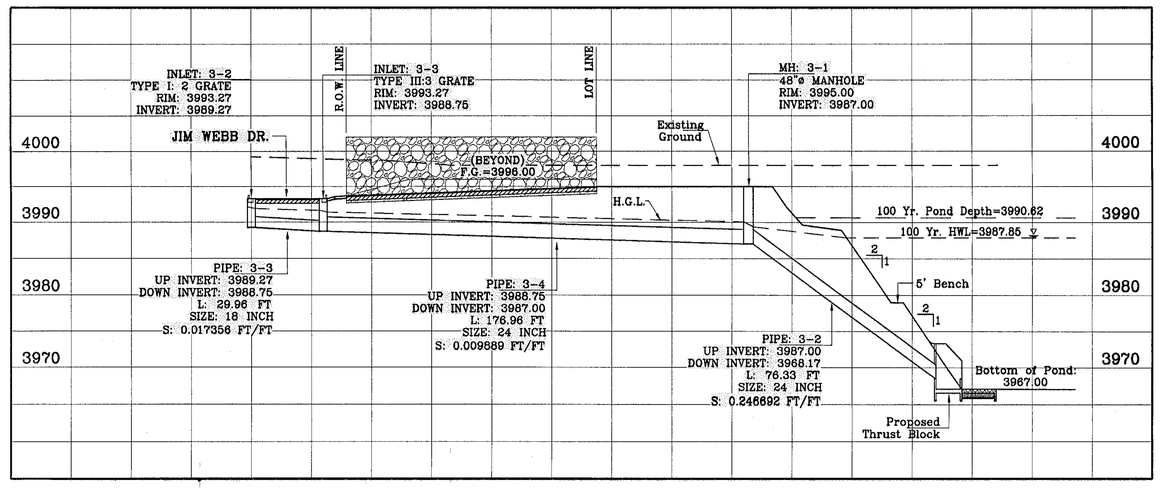
SEE SHEET 48 FOR STRUCTURE & INLET TABLES

SEE SHEET 49 FOR THRUST BLOCK DETAILS

SEE SHEET 53 FOR WROUGHT IRON GATE & WROUGHT IRON/ROCKWALL DETAILS

STRUCTURE #3 PLANVIEW
SCALE: 1"=30'

STRUCTURE #3 PROFILE
SCALE – HORIZONTAL: 1"=30'
VERTICAL: 1"=10'



STRUCTURE #3 PROFILE
SCALE – HORIZONTAL: 1"=30'
VERTICAL: 1"=10'

MESQUITE HILLS UNIT TWO

BENCHMARKS
VERTICAL DATUM IS CITY AS PER NATIONAL GEODETIC SURVEY MARKER "B 1383", PID# CE0410 NAVD 88 ELEVATION: 4013.41
CITY DATUM CONVERSION: 10.429
CITY DATUM ELEVATION: 4002.99

DATE:	REVISIONS	BY
10-1-2007	Revise package as per revised plat.	E.F.G.
02-11-2008	City Redlines as per 02-04-2008.	E.F.G.

PROJECT NAME

MESQUITE HILLS UNIT TWO

BEING A PORTION OF TRACT 6, SECTION 16, PORTION OF TRACTS 1D AND 1E, SECTION 17, AND PORTION OF TRACTS 1A, 2, AND 3A, SECTION 21, BLOCK 80, TSP 1, TEXAS AND PACIFIC RAILROAD Co. SURVEYS, AND PORTION OF MESQUITE HILL DRIVE, MESQUITE HILLS, CITY OF EL PASO, EL PASO COUNTY, TEXAS
CONTAINING: 73.854 ACRES

SCALE
Horiz: 1"=30'
Vert: 1"=10'
DATE: MAY 2007
DESIGN BY: F.C.
INITIATED BY: E.F.G.
CHKD. BY: F.C.
JOB NO.: 1106-06

ENGINEER'S SEAL
FRANCISCO CAMPA
99191
LICENSED PROFESSIONAL ENGINEER
STATE OF TEXAS

CONDE INC.
ENGINEERING / PLANNING
SURVEYING / GPS
1790 LEE TREVINO DR STE 400
EL PASO, TEXAS 79936
CONDE INC.

SHEET TITLE

DRAINAGE STRUCTURES #2 & #3

SHT 47 OF 59

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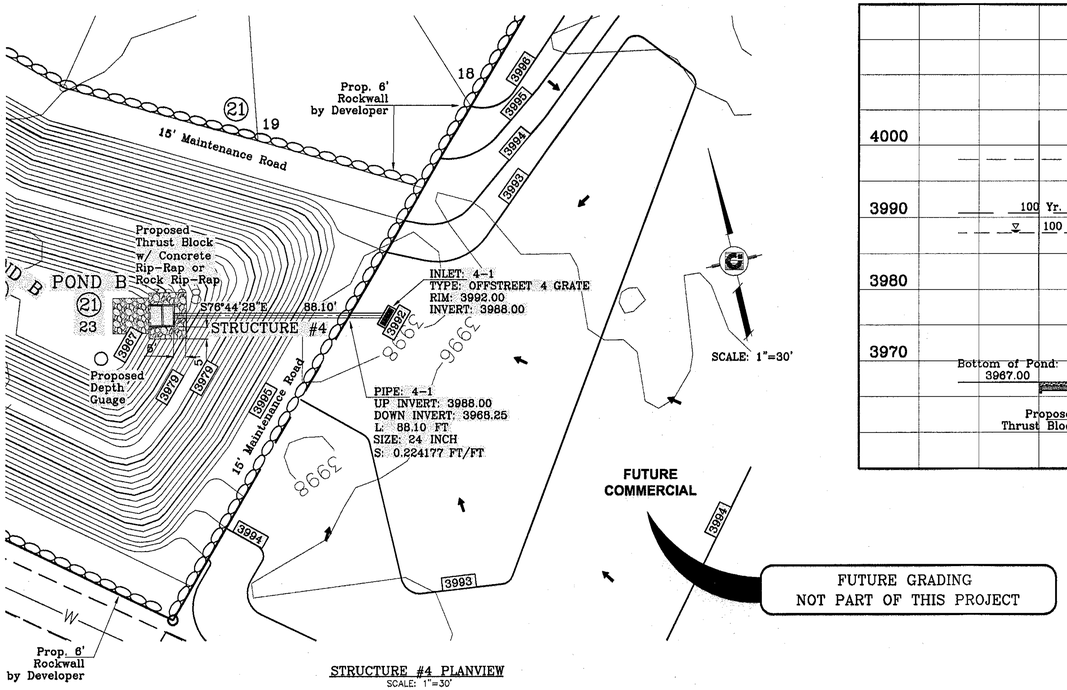
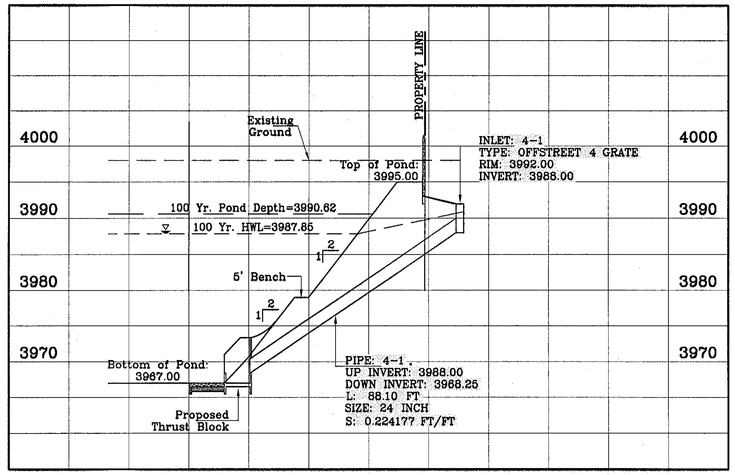


STRUCTURE #4 PLANVIEW
SCALE: 1"=30'

SEE SHEET 49
FOR THRUST BLOCK DETAILS



STRUCTURE #4 PROFILE
SCALE - HORIZONTAL: 1"=30'
VERTICAL: 1"=10'

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.

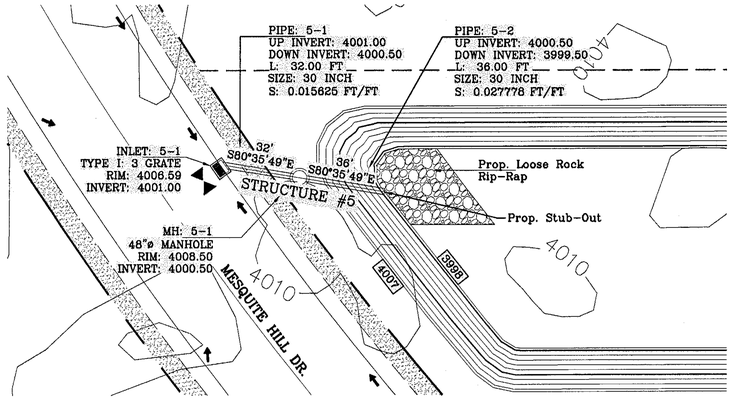
*** ALL PIPES R.C.P. CLASS III UNLESS OTHERWISE NOTED**

INLET DATA

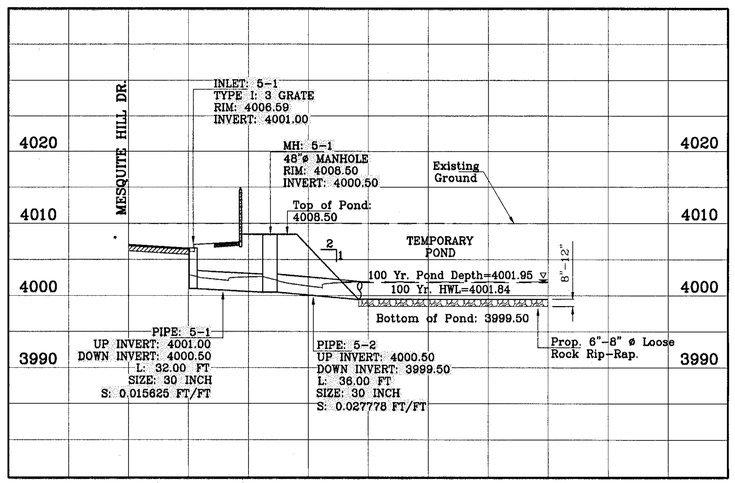
INLET No.	TYPE	No. GRATES	Qd	Qc
			cfs	cfs
2-1	II	7	37.82	51.24
3-1	II	4	20.10	29.26
3-2	I	2	6.01	21.84
3-3	III	3	6.01	21.96
4-1	OFF-STREET	4	40.54	52.08
5-1	I	3	23.13	32.76

R.C.P. PIPE DATA

Pipe	Section Size (in)	Length (ft)	Constructed slope (ft/ft)	Discharge (cfs)	Capacity (cfs)	Average vel (fps)	Downstream ground	Downstream HGL	Downstream invert	Upstream HGL	Upstream ground	Upstream invert
P2-1	30	180.53	0.012459	37.82	45.76	7.70	3995.00	3989.55	3988.00	3990.92	3993.63	3988.00
P2-2	24	43.00	0.366140	37.82	137.25	12.04	3993.00	3987.75	3970.17	3988.95	3995.00	3986.00
P3-1	24	139.45	0.021513	20.10	33.18	6.91	3995.00	3990.09	3987.00	3991.81	3994.40	3990.00
P3-2	24	76.33	0.246692	32.12	112.35	10.22	3992.00	3987.85	3968.17	3989.39	3995.00	3987.00
P3-3	18	29.96	0.017356	6.01	13.84	3.40	3993.27	3990.79	3988.75	3990.89	3993.27	3989.27
P3-4	24	176.96	0.009869	12.02	22.50	3.92	3995.00	3990.09	3987.00	3990.56	3993.27	3988.75
P4-1	24	88.10	0.224177	40.54	107.11	12.90	3992.00	3987.85	3968.25	3990.68	3992.00	3988.00
P5-1	30	32.00	0.015625	23.13	51.27	5.98	4008.50	4002.64	4000.50	4002.64	4006.59	4001.00
P5-2	30	36.00	0.027778	23.13	68.36	5.82	4008.50	4001.84	3999.50	4002.14	4008.50	4000.50



STRUCTURE #5 PLANVIEW
SCALE: 1"=30'



STRUCTURE #5 PROFILE
SCALE - HORIZONTAL: 1"=30'
VERTICAL: 1"=10'

BENCHMARKS
VERTICAL DATUM IS CITY AS PER NATIONAL GEODETIC SURVEY MARKER "B 1383, PID# CD0410 NAVD 88 ELEVATION: 4013.41
HORIZONTAL DATUM IS NAD 83 (1993)
CITY DATUM ELEVATION: 4002.98

DATE	REVISIONS	BY
10-1-2007	Revise package as per revised plat.	E.F.G.
02-11-2008	City Redlines as per 02-04-2008.	E.F.G.

PROJECT NAME
MESQUITE HILLS UNIT TWO
BEING A PORTION OF TRACT 6, SECTION 16, PORTION OF TRACTS 1D AND 1E, SECTION 17, AND PORTION OF TRACTS 1A, 2, AND 3A, SECTION 21, BLOCK 80, TSP 1, TEXAS AND PACIFIC RAILROAD Co. SURVEYS, AND PORTION OF MESQUITE HILL DRIVE. MESQUITE HILLS, CITY OF EL PASO, EL PASO COUNTY, TEXAS CONTAINING: 73.054 ACRES

SCALE
Horiz: 1"=30'
Vert: 1"=10'
DATE: MAY 2007
DESIGN BY: F.C.
INITIATED BY: E.F.G.
CHKD. BY: F.C.
JOB NO.: 1106-06

ENGINEER'S SEAL
STATE OF TEXAS
FRANCISCO CAMPA
95191
LICENSED PROFESSIONAL ENGINEER
PROFESSIONAL ENGINEER
07/23/08

CONDE INC.
ENGINEERING / PLANNING
SURVEYING / GPS
1790 LEE TREVINO DR. STE 400
EL PASO, TEXAS 79936

CONDE INC.

SHEET TITLE
DRAINAGE STRUCTURE #4

SHT 48 OF 59

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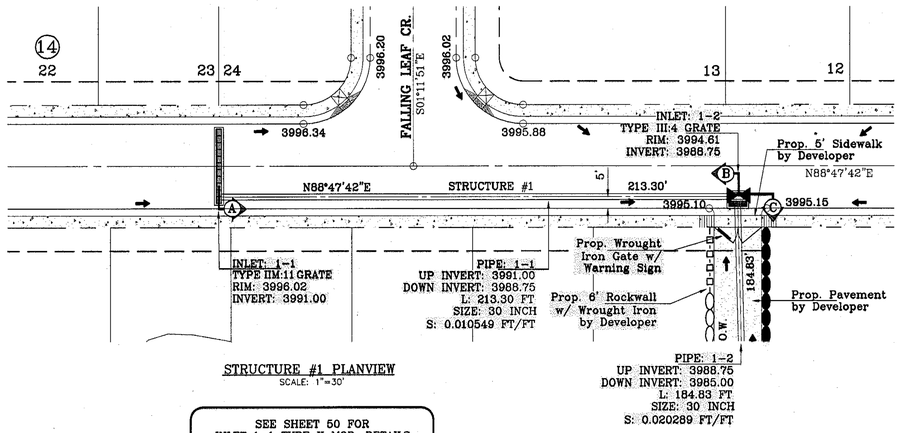


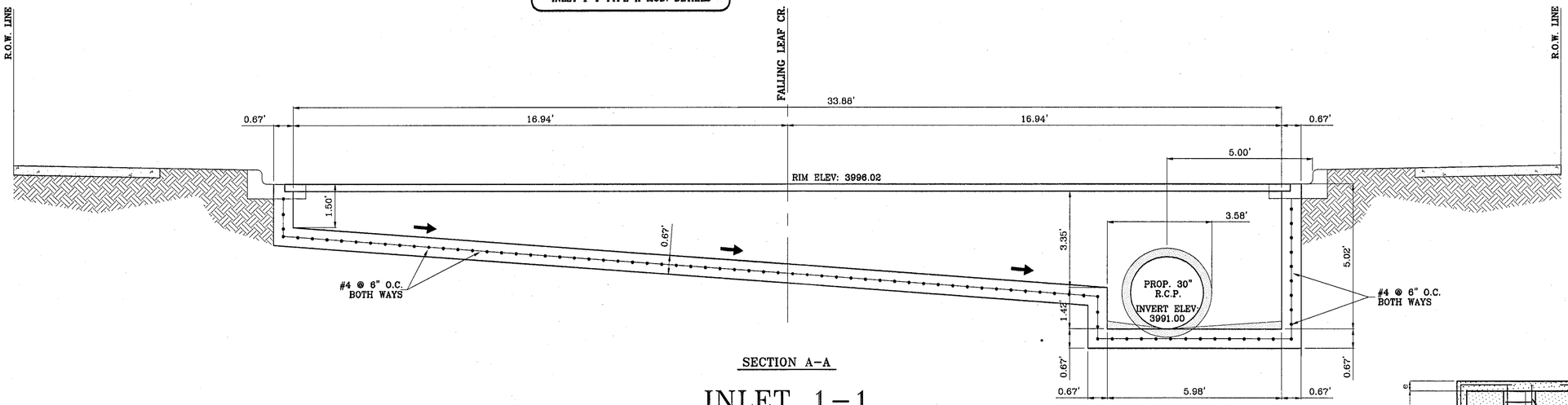
STRUCTURE #1 PLANVIEW
SCALE: 1"=30'

SEE SHEET 50 FOR
INLET 1-1 TYPE II MOD. DETAILS

CONSTRUCTION NOTES:

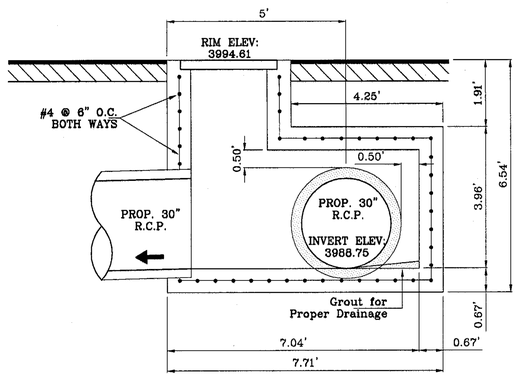
1. ALL CONCRETE FOR STRUCTURES SHALL BE 3000 PSI. UNLESS OTHERWISE NOTED.
2. MINIMUM COVER FOR REINFORCING STEEL SHALL BE 2" UNLESS OTHERWISE NOTED.
3. 95% COMPACTION REQUIRED FOR STRUCTURES AS PER ASTM D1557.
4. REINFORCING SHALL CONFORM TO THE REQUIREMENTS OF ASTM A615 GRADE 60.

*** ALL PIPES R.C.P. CLASS III UNLESS OTHERWISE NOTED**

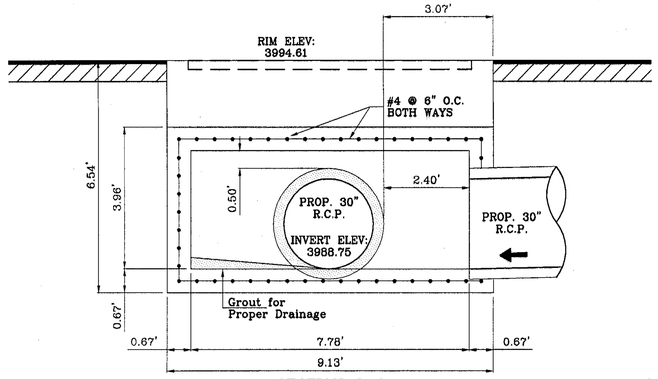


SECTION A-A

INLET 1-1
1"=2'

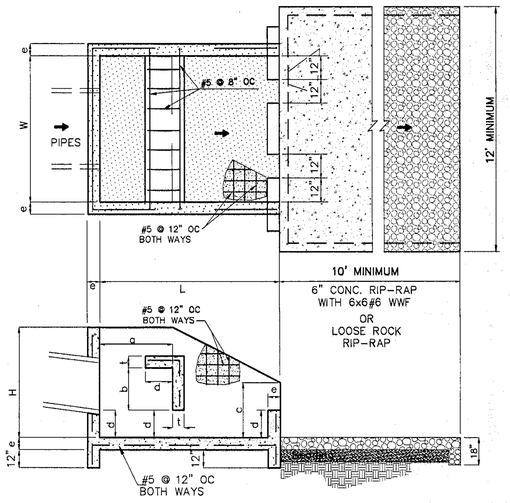


SECTION B-B



SECTION C-C

INLET 1-2
1"=2'



THRUST BLOCK DETAILS
1"=4'

THRUST BLOCK DATA

Str. #	Pipe ø	H	L	a	b	c	d	e	t	W
1	36" RCP	10'-6"	14'-0"	5'-3"	4'-0"	5'-3"	1'-9"	11"	11"	10'-6"
2 & 3	24" RCP	5'-3"	9'-4"	3'-6"	2'-8"	3'-6"	1'-2"	7"	7"	7'-0"
4	24" RCP	5'-8"	10'-0"	3'-9"	2'-9"	3'-9"	1'-3"	7"	8"	7'-6"

BENCHMARKS
VERTICAL DATUM IS CITY AS PER NATIONAL GEODETIC SURVEY
MARKER "B 1353", PID# CE0410 NAVD 88 ELEVATION: 4013.41
CITY DATUM CONVERSION: 10.429
CITY DATUM ELEVATION: 4002.98

DATE:	REVISIONS	BY
10-1-2007	Revise package as per revised plat.	E.F.G.
02-11-2008	City Redlines as per 02-04-2008.	E.F.G.

PROJECT NAME
MESQUITE HILLS UNIT TWO

BEING A PORTION OF TRACT 6, SECTION 16, PORTION OF TRACTS 1D AND 1E, SECTION 17, AND PORTION OF TRACTS 1A, 2, AND 3A, SECTION 21, BLOCK 80, TSP 1, TEXAS AND PACIFIC RAILROAD Co. SURVEYS, AND PORTION OF MESQUITE HILL DRIVE, MESQUITE HILLS, CITY OF EL PASO, EL PASO COUNTY, TEXAS
CONTAINING: 72.654 ACRES

SCALE
Horiz: 1"=30'
Vert: 1"=10'
DATE: MAY 2007
DESIGN BY: F.C.
INITIATED BY: E.F.G.
CHKD. BY: F.C.
JOB NO.: 1105-06

ENGINEER'S SEAL
FRANCISCO CAMPA
98191
LICENSED
PROFESSIONAL
ENGINEER
STATE OF TEXAS

CONDE INC.
ENGINEERING / PLANNING
SURVEYING / GPS
1790 LEE TREVINO DR. STE 400
EL PASO, TEXAS 79936

CONDE INC.

SHEET TITLE
DRAINAGE STRUCTURE DETAILS

SHT 49 OF 59

103096

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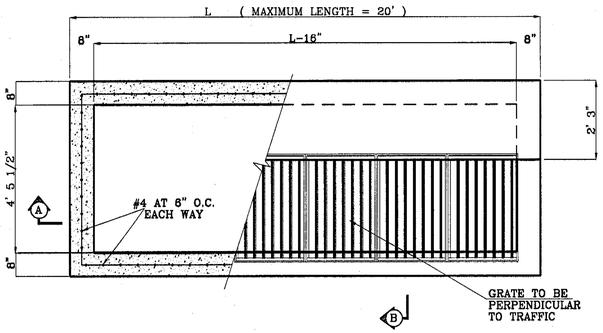
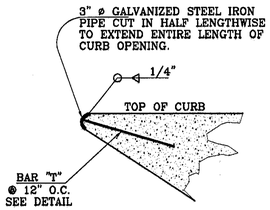
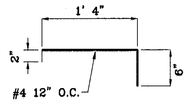


TYPICAL
1"=2'

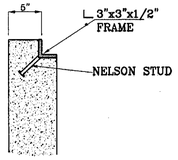
No. OF GRATES	L	BEAM	
		LENGTH	MINIMUM SIZES
1	3'-2 5/8"	2'-10"	W6x12, S4x13, MC6x8.2
2	5'-1 1/6"	4'-7 1/8"	W6x12, S6x12.5, MC6x15.1
3	7'-0 1/4"	6'-5 1/8"	W8x15, S7x15.3, MC7x17.6
4	8'-9 7/8"	8'-3 7/8"	W9x18, S8x18.4, MC10x21.9
5	10'-8"	10'-2"	W12x16, S8x21, MC10x21.9
6	12'-6 5/8"	12'-0 5/8"	W12x19, S8x23, MC10x25



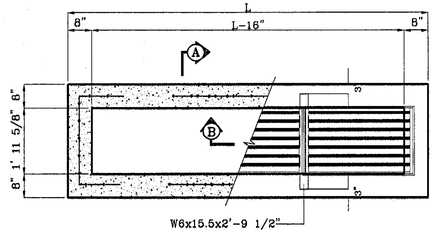
DETAIL A
1"=1'



BAR "T"
1"=1'

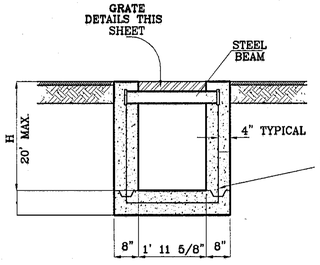


DETAIL B
1"=1'

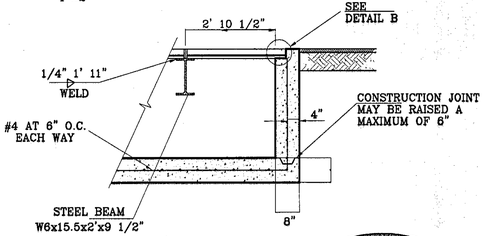


No. OF GRATES	L
1	4'-0"
2	7'-1"
3	10'-2"
4	13'-3"
5	16'-4"

PLAN VIEW
1"=2'



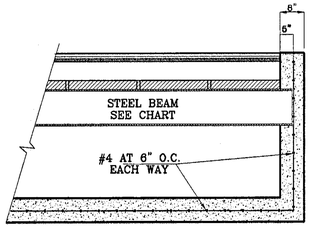
SECTION A-A
1"=2'



SECTION B-B
1"=2'

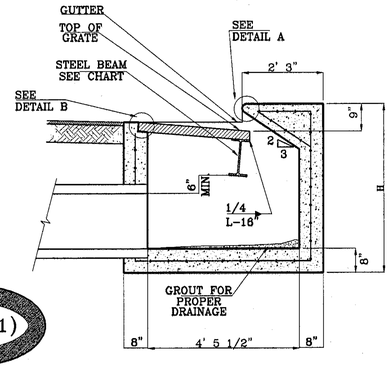
(REV. 1)

TYPE II INLET



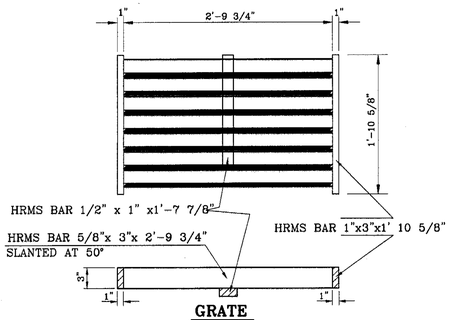
SECTION A-A
1"=2'

(REV. 1)

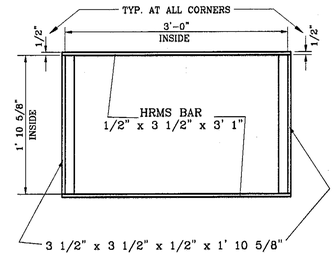


SECTION B-B
1"=2'

TYPE I INLET

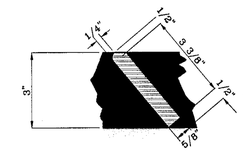


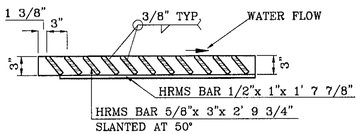
GRATE



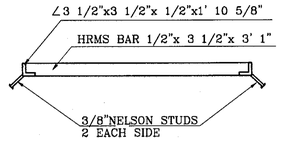
FRAME

GRATE CAPACITY = 7.32 CFS





GRATE SECTION



FRAME SECTION

(REV. 1)

FRAME AND GRATE

G E N E R A L N O T E S

1: Concrete to be 3000 P.S.I. minimum core test at 28 days.

2: Welded steel or cast grates as detailed are all acceptable grates. Mixing of alternates types of grates on the same project will be permitted with the approval of the City Engineer.

3: All construction and materials shall be in accordance with the current Standard Specifications.

4: Sharp edges resulting from fabrication shall be dulled only by acceptable methods for safety.

5: Grates shall be installed in frame with flow arrow pointing downstream or toward the low point in a sump.

6: Welded grates shall be structural steel conforming to the requirements of AASHTO M-183 or of corrosion resistant structural steel conforming to the requirements of AASHTO M-161 or M-222 or be made of other approved steels of equal quality. Mixing of grades of steel on the same grate will not be permitted.

7: Grates made of M-183 steel shall be galvanized in accordance with AASHTO M-111 Specifications or shall be painted with inorganic zinc paints, meeting the requirements of current standard specifications.

8: All welds shall be a minimum of 1/4 inch filled and shall conform to the Specifications for Highway Construction and to the AWS Structural Welding Codes. Electrodes shall be compatible to the different grades of steel that comprise the grate members.

9: Cast grates shall be cast steel conforming to the requirements of AASHTO M-103, Grade 65-35 or of ductile iron conforming to the requirements of ASTM A-536, Special Grades 60-45, or of gray iron conforming to the requirements of AASHTO M-105, Class 35b or ASTM A-48 Class 35b, This specification of general application for cast steel grates shall be AASHTO M-103, Scope 121, Grade N-1.

10: Ferrous castings shall be of uniform quality free of blow-holes, porosity, hard spots, shrinkage distortion or other defects. They shall be smooth and well cleaned by shot blasting or other approved cleaning method. After cleaning they shall be coated with asphalt base paint resulting in a smooth coating, tough and tenacious when cold, not tacky, not brittle.

11: All casting shall be manufactured true to pattern. Component parts shall fit together in a satisfactory manner.

12: Grate will be depressed 1 inch below proposed or existing grade.

13: Two 1/2 inch x 4 inch long concrete anchor studs required for each side of frame, where frame is resting on concrete, use NELSON studs or equal

14: The grates of all inlets within the street pavement must be constructed with the grate bars perpendicular to the curb.

15: Chamfer all exposed edges 3/4 inch. All dimensions relating to reinforcing steel are to center of bars.

16: All concrete to be 3000 P.S.I. Minimum concrete cover shall be 1 1/2 inch for steel reinforcing.

17: Expansion material to be 1/2 inch bituminous fiber and be placed where proposed concrete comes in contact with any existing or proposed concrete or masonry structure.

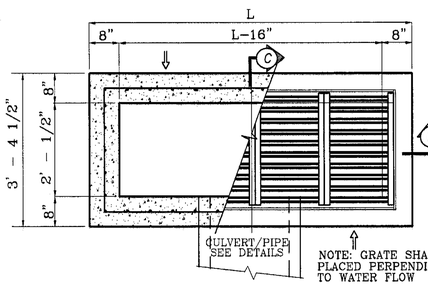
18: Structural steel shall be shop painted in accordance with T.H.D. item 446 "PAINT AND PAINTING".

19: All reinforcing bars to be #4 bars at 6" O.C. (unless otherwise noted), grade 60. Bend bars around pipe openings.

20: Surface of all exposed concrete shall conform in sloped and grade to existing or proposed curb and walk adjacent to inlets.

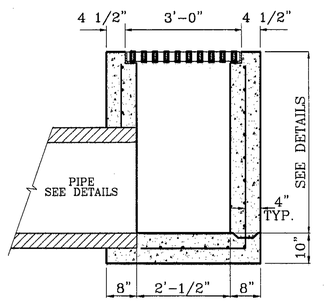
21: Inlets to be designated in plans by number of grates required.

22: Location of sewer pipes shown elsewhere in plans.

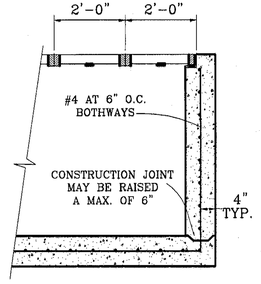


No. OF GRATES	L
11	33'-10 1/2"

PLAN VIEW
1"=2'



SECTION C
1"=2'



SECTION D
1"=2'

TYPE II-MOD. INLET
INLET 1-1

SEE SHEET 49 FOR INLET 1-1 TYPE II MOD. DETAILS

MESQUITE HILLS UNIT TWO

BENCHMARKS
VERTICAL DATUM IS CITY AS PER NATIONAL GEODETIC SURVEY MARKER "B 1363", PID# CD0410 NAVD 88 ELEVATION: 4013.41
HORIZONTAL DATUM IS CITY DATUM ELEVATION: 4002.93

DATE	REVISIONS	BY
02-11-2008	City Redlines as per 02-04-2008.	E.F.G.

PROJECT NAME
MESQUITE HILLS UNIT TWO

BEING A PORTION OF TRACT 6, SECTION 16, PORTION OF TRACTS 1D AND 1E, SECTION 17, AND PORTION OF TRACTS 1A, 2, AND 3A, SECTION 21, BLOCK 80, TSP 1, TEXAS AND PACIFIC RAILROAD Co. SURVEYS, AND PORTION OF MESQUITE HILL DRIVE, MESQUITE HILLS, CITY OF EL PASO, EL PASO COUNTY, TEXAS CONTAINING: 73.854 ACRES

SCALE
Horiz: 1"=30'
Vert: 1"=10'
DATE: MAY 2007
DESIGN BY: F.C.
INITIATED BY: E.F.G.
CHKD. BY: F.C.
JOB NO.: 1106-08

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

CONDE INC.
ENGINEERING / PLANNING
SURVEYING / GPS
1790 LEE TREVINO DR. STE 400
EL PASO, TEXAS 79936
CONDE INC.

SHEET TITLE
INLET DETAILS & SPECIFICATIONS

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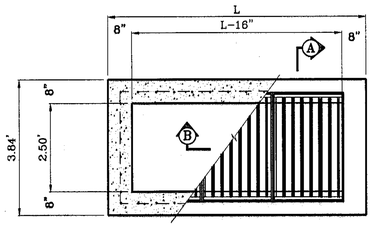
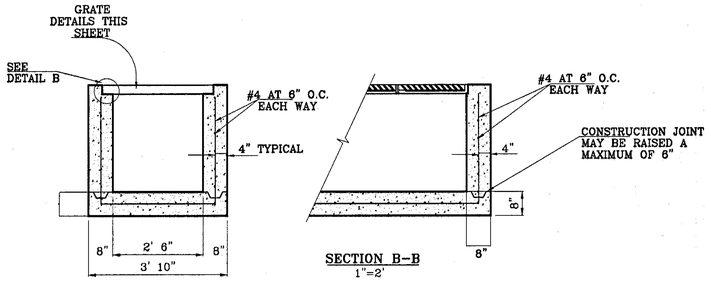


PLAN VIEW
1"=2'

No. OF GRATES	L
1	3'-2 5/8"
2	5'-2 1/4"
3	7'-1 7/8"
4	9'-1 1/2"
5	11'-1" 1/8"
6	13'-0 3/4"
7	15'-0 3/8"
8	17'-0"
9	18'-11 5/8"

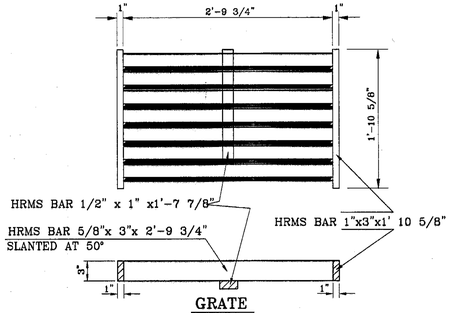


SECTION A-A
1"=2'

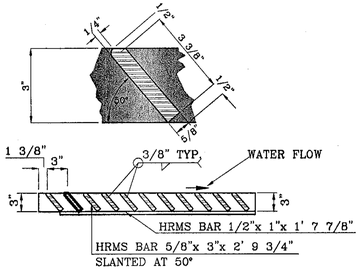
SECTION B-B
1"=2'

TYPE III INLET

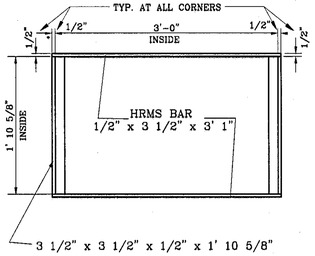
DRAINAGE STRUCTURE DETAILS
AS PER CITY OF EL PASO STANDARDS



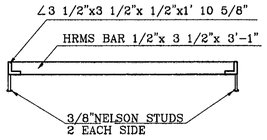
GRATE



GRATE SECTION

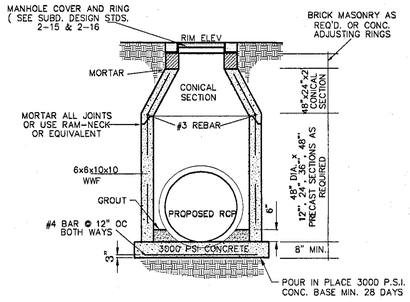


FRAME

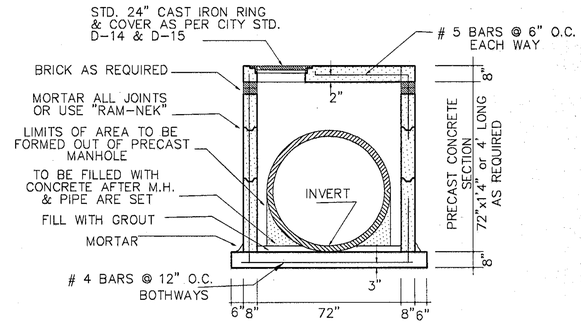


FRAME SECTION

FRAME AND GRATE

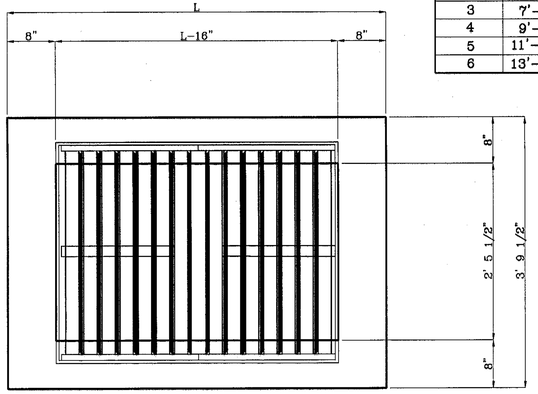


TYPICAL 48" STD. MANHOLE
1" = 3'
AS PER CITY OF EL PASO SUBD. DESIGN STD. No. 2-18

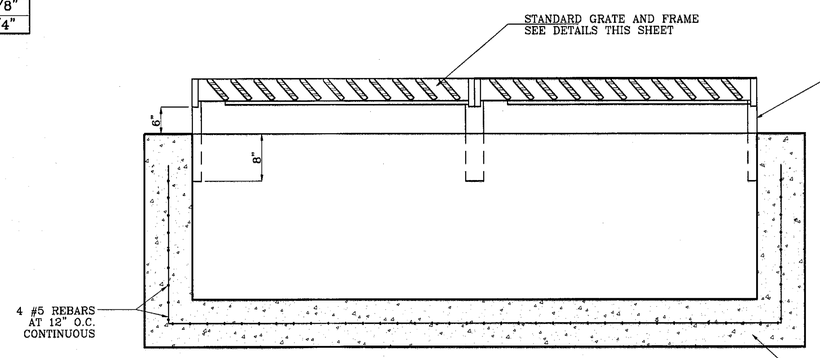


PRECAST 72" MANHOLE SECTION
SCALE: 1" = 3'

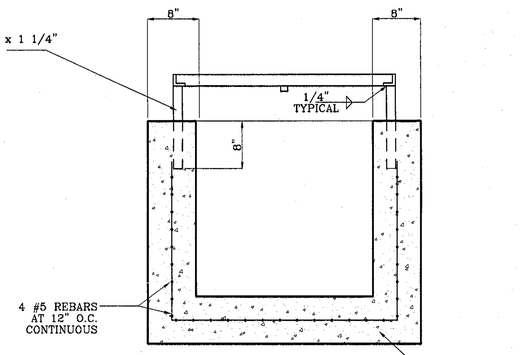
No. OF GRATES	L
1	3'-2 5/8"
2	5'-2 1/4"
3	7'-1 7/8"
4	9'-1 1/2"
5	11'-1" 1/8"
6	13'-0 3/4"



PLAN VIEW
OFF-STREET STORM INLET
1"=1'



SECTION A-A
1"=1'



SECTION B-B
1"=1'

OFF-STREET STORM INLET

MESQUITE HILLS UNIT TWO

BENCHMARKS
VERTICAL DATUM IS CITY AS PER NATIONAL GEODETIC SURVEY MARKER "B 1383", PID# CD2410 NAVD 88 ELEVATION: 4013.41
CITY DATUM CONVERSION: 10.429
CITY DATUM ELEVATION: 4003.98

DATE	REVISIONS	BY
02-14-2008	City Redlines as per 02-04-2008.	E.F.G.

PROJECT NAME
MESQUITE HILLS UNIT TWO
BEING A PORTION OF TRACT 6, SECTION 16, PORTION OF TRACTS 1D AND 1E, SECTION 17, AND PORTION OF TRACTS 1A, 2, AND 3A, SECTION 21, BLOCK 80, TSP 1, TEXAS AND PACIFIC RAILROAD Co. SURVEYS, AND PORTION OF MESQUITE HILL DRIVE.
MESQUITE HILLS, CONTAINING: 73.854 ACRES

SCALE
Horiz: 1"=30'
Vert: 1"=10'
DATE: MAY 2007
DESIGN BY: F.C.
INITIATED BY: E.F.G.
CHKD. BY: F.C.
JOB NO.: 1108-08

ENGINEER'S SEAL

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

CONDE INC.
ENGINEERING / PLANNING
SURVEYING / GIS
1790 LEE TREVINO DR. STE 400
EL PASO, TEXAS 79936
CONDE INC.

SHEET TITLE
INLET AND MANHOLE DETAILS & SPECIFICATIONS

SHT 51 OF 59

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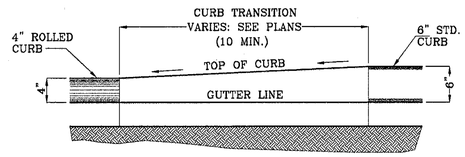
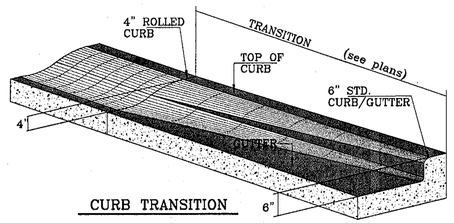
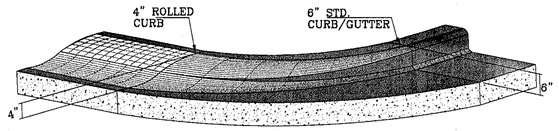


TYPICAL CURB TRANSITION
FROM 4" ROLLED CURB TO 6" STD. CURB

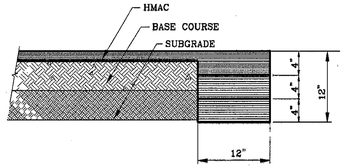
SCALE: 1"=1'



CURB TRANSITION



CURB TRANSITION AT RETURNS



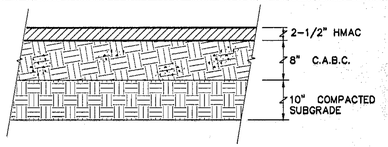
PAVEMENT TERMINUS

1" = 10'

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.

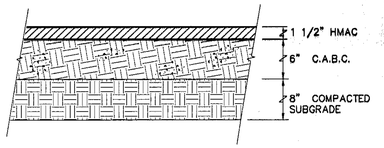
PAVEMENT NOTES

1. SUBGRADE TO BE COMPACTED TO 95% 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", GRADE III, 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. HMAC. 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.



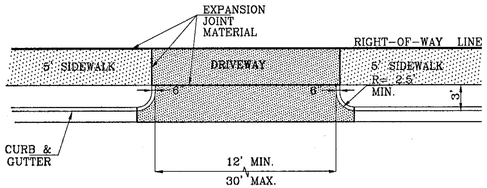
TYPICAL PAVEMENT SECTION
MINOR ARTERIAL

NOT TO SCALE



TYPICAL PAVEMENT SECTION
RESIDENTIAL STREETS

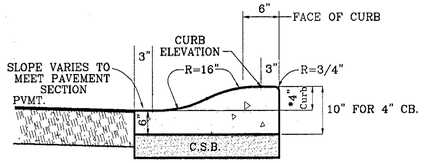
NOT TO SCALE



DRIVEWAY PLAN VIEW

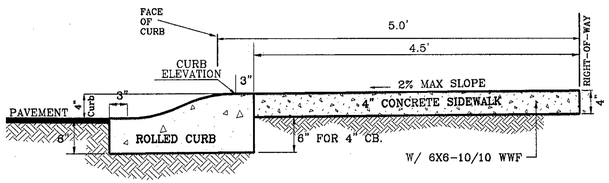
AS PER CITY DESIGN STANDARD 6-8, 6-9

SCALE: 1"=10'



4" ROLLED CURB

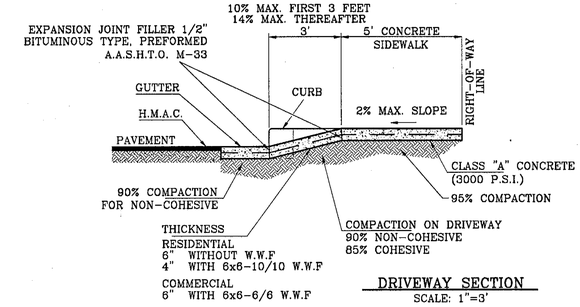
SCALE: 1"=1'



DRIVEWAY DETAIL

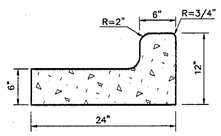
SCALE: 1"=1'

TYPICAL ROLLED CURB DETAIL AT CUL-DE-SACS

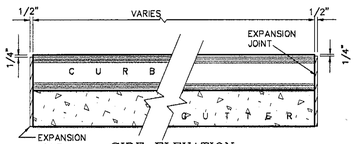


DRIVEWAY SECTION

SCALE: 1"=3'



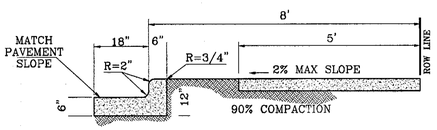
END SECTION



SIDE ELEVATION

CURB DETAILS

SCALE: 1"=1'



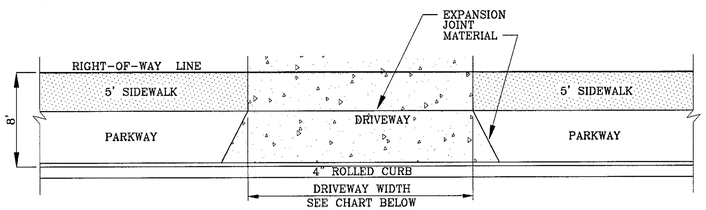
NOTES:

1. CONCRETE SHALL BE 3000 P.S.I. MINIMUM @ 28 DAYS.
2. DUMMY JOINTS REQUIRED AT 10' O.C. FOR CURB/GUTTER AND 5' O.C. FOR SIDEWALK.
3. EXPANSION MATERIAL REQUIRED AT CURB RETURNS WITH 1/2" PREMOLDED ASPHALT IMPREGNATED EXPANSION MATERIAL OR EQUAL.
4. EXPANSION JOINTS REQUIRED AT 50' O.C. WHEN FORMING FOR HEADER CURBS.
5. EXPANSION JOINTS REQUIRED FOR SIDEWALK AT 20' O.C.
6. WHENEVER SIDEWALK ABUTS ROCK OR MASONRY STRUCTURES SUCH AS CURBS OR BUILDINGS, EXPANSION JOINT FILLER SHALL BE USED IN ACCORDANCE WITH STANDARD SPECIFICATIONS.
7. *FOR CUL-DE-SAC ONLY.

TYPICAL CURB AND SIDEWALK DETAIL

AS PER CITY DESIGN STANDARD 6-1

SCALE: 1"=5'



DRIVEWAY PLAN VIEW

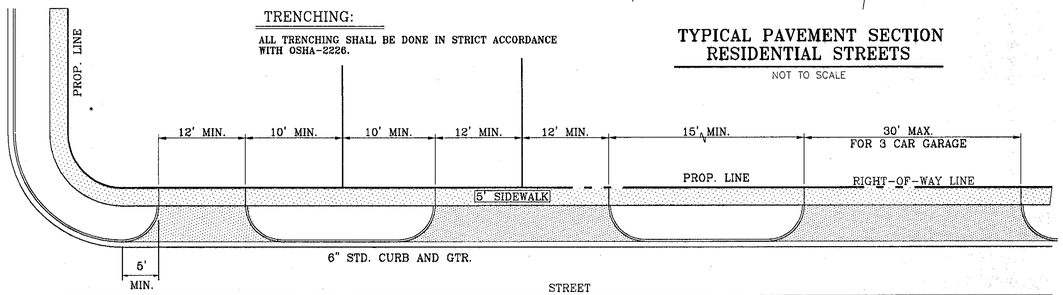
AS PER CITY DESIGN STANDARD 6-9

DRIVEWAY WIDTH	MIN.	MAX.
RESIDENTIAL	12'	24'
FOR A THREE CAR GARAGE	12'	30'

NOTES:
1: ALL RAMPS SHALL HAVE DETECTABLE WARNINGS:
SURFACES SHALL HAVE CONTRAST OF COLOR AND GROOVED:
1/4" DEEP, 1/4" WIDE, AND 4" APART
2: CROSS SLOPE SHALL NOT EXCEED 1:50
3: RAMP SLOPE SHALL NOT EXCEED 1:12
IF PARKWAY AND SIDEWALK TOTAL 8 FEET A 1/4" LIP MAY BE USED ON EACH SIDE OF RAMP

TRENCHING:

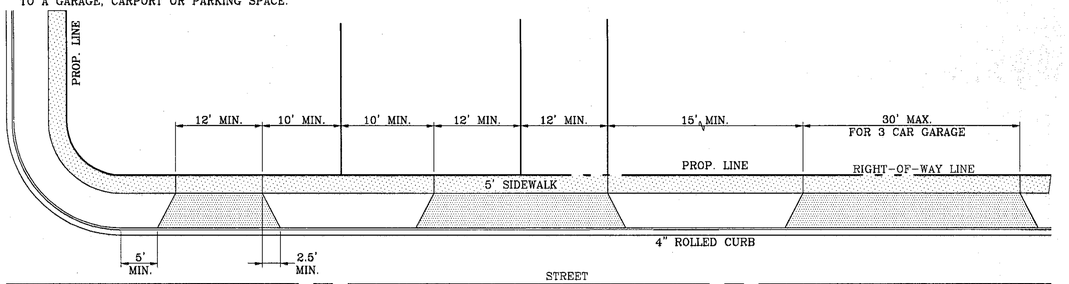
ALL TRENCHING SHALL BE DONE IN STRICT ACCORDANCE WITH OSHA-2226.



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.

TYPICAL RESIDENTIAL DRIVEWAYS

SCALE: 1"-10'

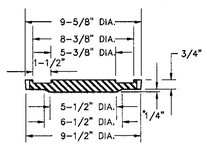


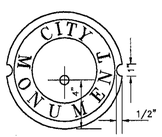
NOTE:
A MINIMUM PARKING SPACE LENGTH OF TWENTY (20) FEET SHALL BE PROVIDED MEASURED FROM THE PROPERTY LINE TO A GARAGE, CARPORT OR PARKING SPACE.

RESIDENTIAL DRIVEWAYS
TYPICAL AT 4" ROLLED CURB

AS PER CITY DESIGN STD. # 6-7.

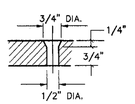
SCALE: 1"-10'





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.

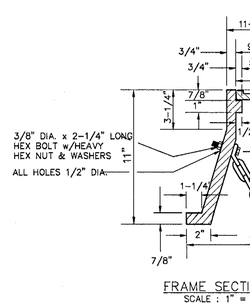
THE MONUMENT SHALL BE COVERED WITH A CAST IRON BOX AND COVER.

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

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

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.

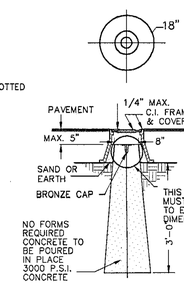


FRAME SECTION

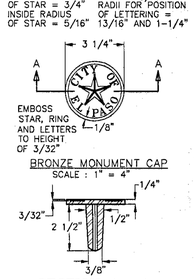
SCALE : 1" = 10'

CITY MONUMENT DETAIL

CITY MONUMENT AS PER CITY STANDARDS



SCALE : 1" = 2'



SECTION A -A

BENCHMARKS
VERTICAL DATUM IS CITY AS PER NATIONAL GEODETIC SURVEY MARKER "B 1353", PID# CE0410 NAVD 88 ELEVATION: 4013.41
CITY DATUM CONVERSION: 10.429
CITY DATUM ELEVATION: 4002.98

DATE	REVISIONS	BY
02-14-2008	City Redlines as per 02-04-2008.	E.F.G.

PROJECT NAME

MESQUITE HILLS UNIT TWO

BEING A PORTION OF TRACT 6, SECTION 16, PORTION OF TRACTS 1D AND 1E, SECTION 17, AND PORTION OF TRACTS 1A, 2, AND 3A, SECTION 21, BLOCK 80, TSP 1, TEXAS AND PACIFIC RAILROAD Co. SURVEYS, AND PORTION OF MESQUITE HILL DRIVE, MESQUITE HILLS, CITY OF EL PASO, EL PASO COUNTY, TEXAS
CONTAINING: 73.854 ACRES

SCALE
Horiz: AS SHOWN
Vert: --
DATE: MAY 2007
DESIGN BY: F.C.
INITIATED BY: E.F.G.
CHKD. BY: F.C.
JOB NO.: 1106-05

ENGINEER'S SEAL

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

CONDE INC.
ENGINEERING / PLANNING
SURVEYING / GPS
1790 LEE TREVINO DR. STE 400
EL PASO, TEXAS 79936

CONDE INC.

SHEET TITLE

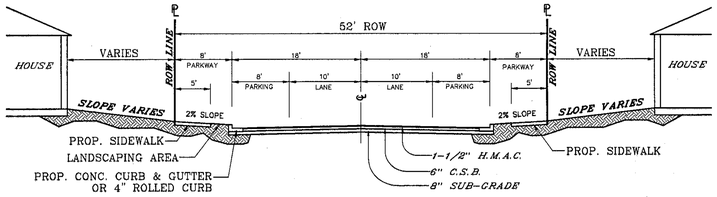
STANDARD DETAILS

SHT 52 OF 59

MESQUITE HILLS UNIT TWO

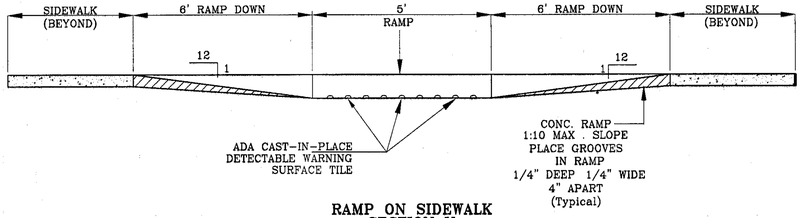
C:\Land Projects 2006\MESQUITE HILLS 2-RE\dwg\HIGSTD.dwg, STD1, 3/7/2008 8:33:04 AM

103096

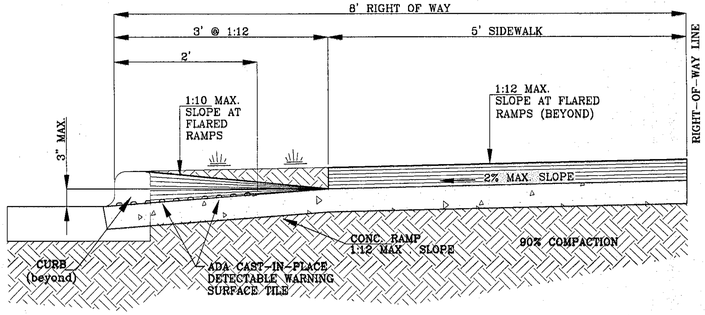


* 2% MINIMUM CROWN ON STREETS UNLESS OTHERWISE NOTED.

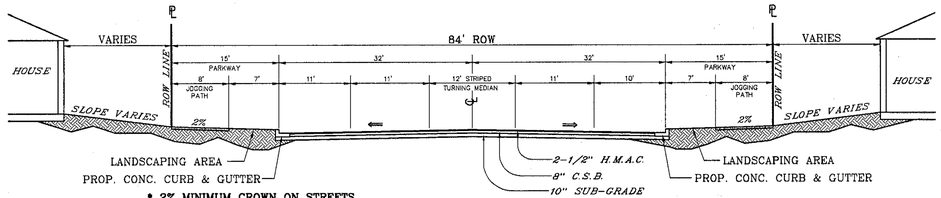
52' R.O.W.
RESIDENTIAL SUBCOLLECTOR STREET
SCALE: 1"=10'



RAMP ON SIDEWALK
SECTION Y
SCALE: 1"=2'

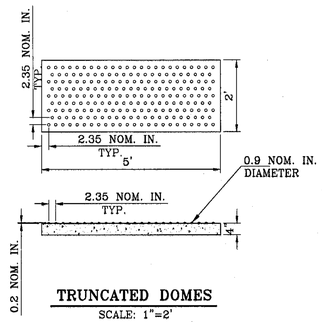


TYPICAL WHEELCHAIR RAMP
AT 6" CURB & GUTTER
SECTION Z
SCALE: 1"=1'

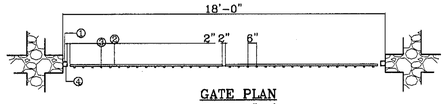


* 2% MINIMUM CROWN ON STREETS UNLESS OTHERWISE NOTED.

84' R.O.W.
MINOR ARTERIAL STREET
SCALE: 1"=10'

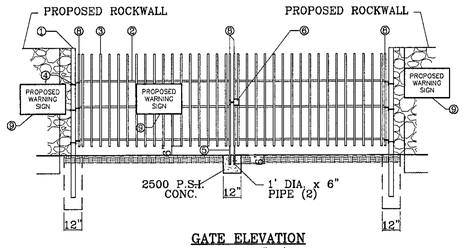


TRUNCATED DOMES
SCALE: 1"=2'

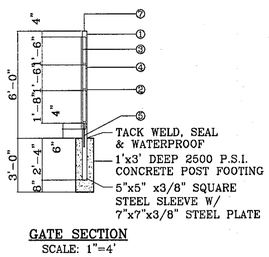


GATE PLAN
SCALE: 1"=4'

1. 3"x3"x3/16" SQUARE STEEL TUBING
2. 2"x1"x14 GA. RECTANGULAR STEEL TUBING
3. 1 1/2"x1/2"x16 GA. RECTANGULAR STEEL TUBING
4. BOLT HOOK AND STRAP HINGE
5. CANE BOLT LATCH W/ KEEPER 5-8"x16" LONG (2 REQUIRED)
6. DOUBLE GATE HEAVY DUTY INDUSTRIAL LATCH W/ PAD LOCK
7. FLAT TOP POLYVINYL CAP
8. 2"x1"x10 GA. RECT. STL. TUBING
9. ALTERNATE WARNING SIGN LOCATIONS

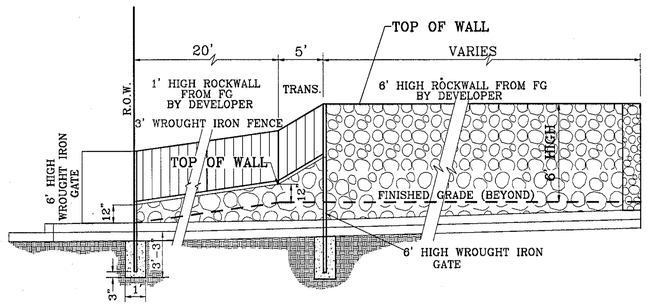


GATE ELEVATION
SCALE: 1"=4'

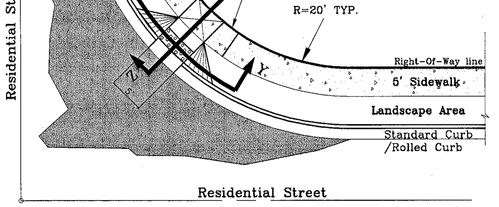


GATE SECTION
SCALE: 1"=4'

WROUGHT IRON GATE
SCALE: 1"=4'

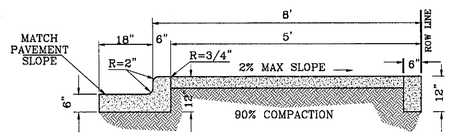


ROCKWALL/IRON FENCE SECTION
1"= 4'

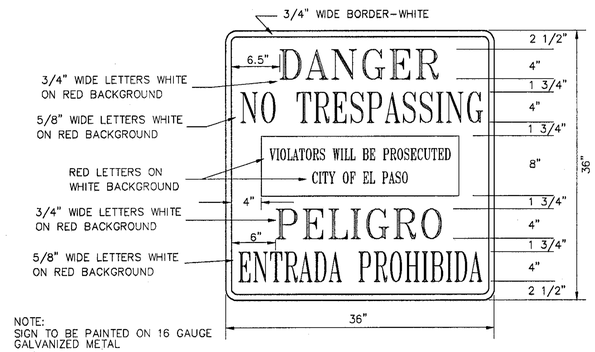


NOTES:
1: ALL RAMPS SHALL HAVE DETECTABLE WARNINGS CONSISTING OF A.D.A. CAST-IN-PLACE DETECTABLE WARNING SURFACE TILE 24" X 24" X 1-3/8" (ADA-202) AND SHALL CONTRAST VISUALLY WITH ADJOINING SURFACES, EITHER LIGHT-ON-DARK OR DARK-ON-LIGHT.
2: CROSS SLOPE SHALL NOT EXCEED 1:50
3: RAMP SLOPE SHALL NOT EXCEED 1:12

RAMP ON SIDEWALK AT
STANDARD / ROLLED CURB
52' R.O.W.
SCALE: 1" = 10'

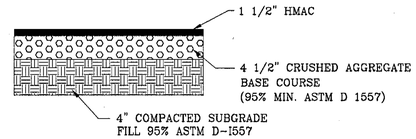


PARK CURB AND SIDEWALK DETAIL
SCALE: 1"=5'

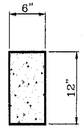


NOTE:
SIGN TO BE PAINTED ON 16 GAUGE GALVANIZED METAL

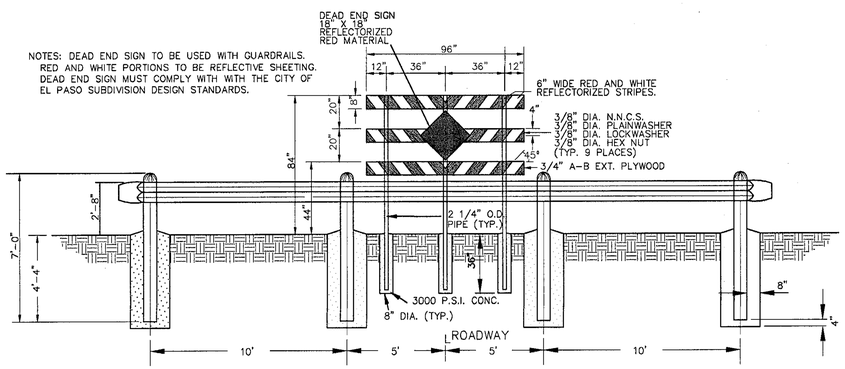
WARNING SIGN DETAIL
SCALE : N.T.S.



HMAC JOGGING PATH PAVEMENT SECTION
SCALE: N.T.S.



HEADER CURB DETAIL
SCALE: 1"=2'



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

GUARD RAIL DETAIL
SCALE : 1" = 3'

BENCHMARKS
VERTICAL DATUM IS CITY OF EL PASO GEODETIC SURVEY MARKER T 1357 = POB AND BM ELEVATION: 4013.41
CITY DATUM CONVERSION: 10.429
CITY DATUM ELEVATION: 4002.98

DATE	DESCRIPTION	BY
02-14-2008	City Redlines as per 02-04-2008.	E.F.C.

PROJECT NAME
MESQUITE HILLS UNIT TWO
BEING A PORTION OF TRACT 6, SECTION 16, PORTION OF TRACTS 1D AND 3, SECTION 21, ALL PORTIONS OF TRACTS 3, SECTION 21, BLOCK 79, TSP 1, TEXAS AND PACIFIC RAILROAD Co. SURVEYS AND PORTION OF MESQUITE HILL DRIVE, MESQUITE HILLS, CITY OF EL PASO, EL PASO COUNTY, TEXAS
CONTAINING: 73.654 ACRES

SCALE
Horiz: AS SHOWN
Vert: --

DATE: MAY 2007
DESIGN BY: F.C.
INITIATED BY: F.F.G.
CHKD. BY: F.C.
JOB NO.: 1106-06

ENGINEER'S SEAL

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

CONDE INC.
ENGINEERING / PLANNING
SURVEYING / GPS
1790 LEE TREVINO DR. STE 400
EL PASO, TEXAS 79936

CONDE INC.

SHEET TITLE
STANDARD DETAILS

SHT 53 OF 59

103096

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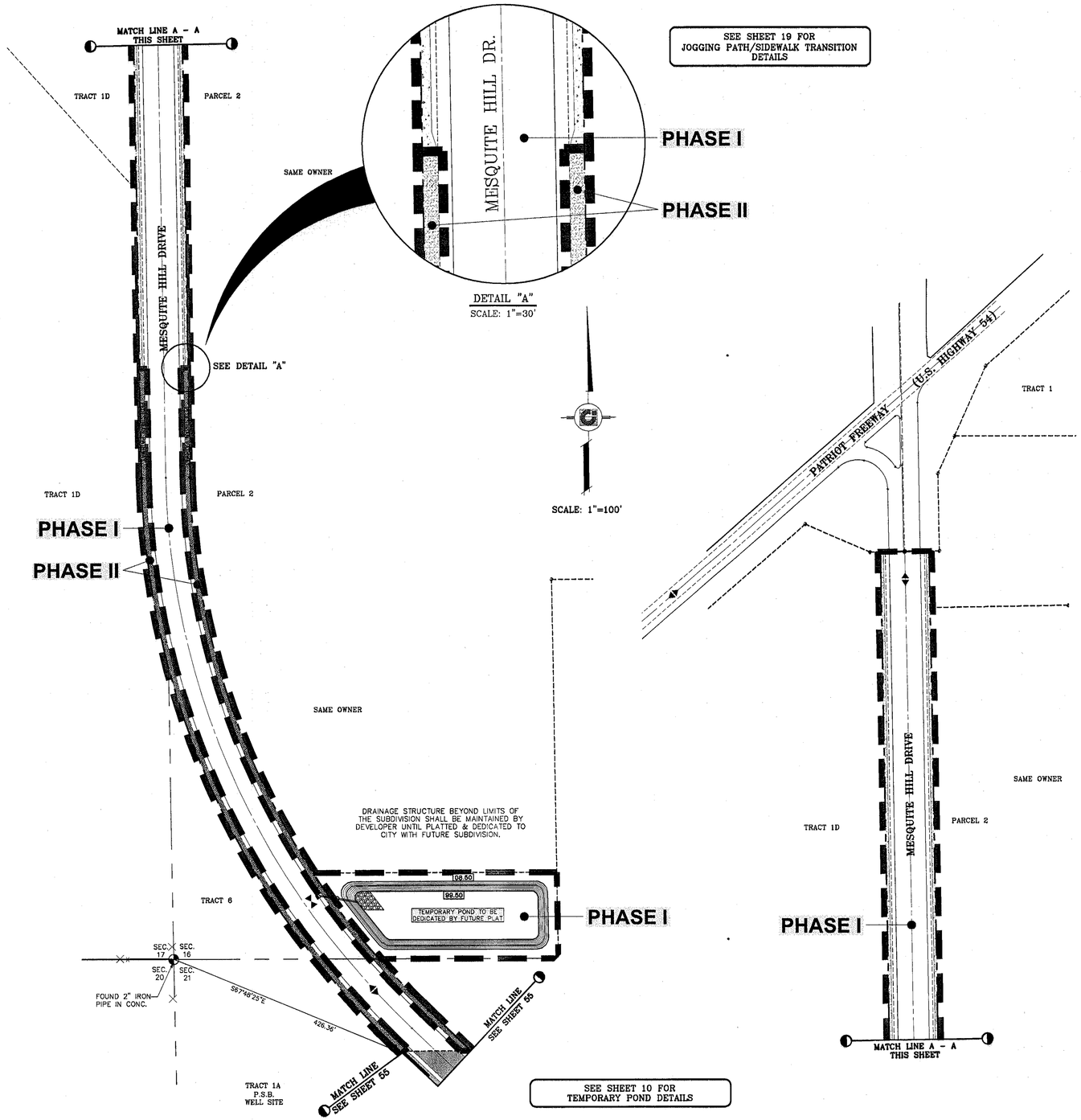

See New Phasing

BENCHMARKS

VERTICAL DATUM IS CITY AS PER NATIONAL GEODETIC SURVEY
MARKER "N 1057 1993" (PID AW4429) NAVD 88 ELEVATION: 4013.41
CITY DATUM CONVERSION: 10.429
CITY DATUM ELEVATION: 4002.98

DATE	REVISIONS	BY
10-25-2007	Revise package as per comment dat.	E.F.G.
02-14-2008	City Redlines as per 02-04-2008.	E.F.G.

PROJECT NAME

MESQUITE HILLS UNIT TWO

BEING A PORTION OF TRACT 6, SECTION 16, PORTION OF TRACTS 1D AND 1E, SECTION 17, AND PORTION OF TRACTS 1A, 2, AND 3A, SECTION 21, BLOCK 80, TSP-1, TOWN OF SOCORRO, TEXAS AND PACIFIC RAILROAD SURVEYS, AND SOUTH OF SOCORRO HILL DRIVE
MESQUITE HILLS, CITY OF EL PASO, EL PASO COUNTY, TEXAS
CONTAINING: 73.854 ACRES

SCALE
Horiz: 1"=100'
Vert: ---
DATE: MAY 2007
DESIGN BY: F.C.
INITIATED BY: E.F.G.
CHKD. BY: F.C.
JOB NO.: 1105-06

ENGINEER'S SEAL
STATE OF TEXAS
FRANCISCO CAMPA
99191
LICENSED
PROFESSIONAL
ENGINEER

CONDE INC.
ENGINEERING / PLANNING
SURVEYING / GPS
1790 LEE TREVINO DR. STE 400
EL PASO, TEXAS 79936

CONDE INC.

SHEET TITLE

PHASING PLAN

SHT 54 OF 59

MESQUITE HILLS UNIT TWO

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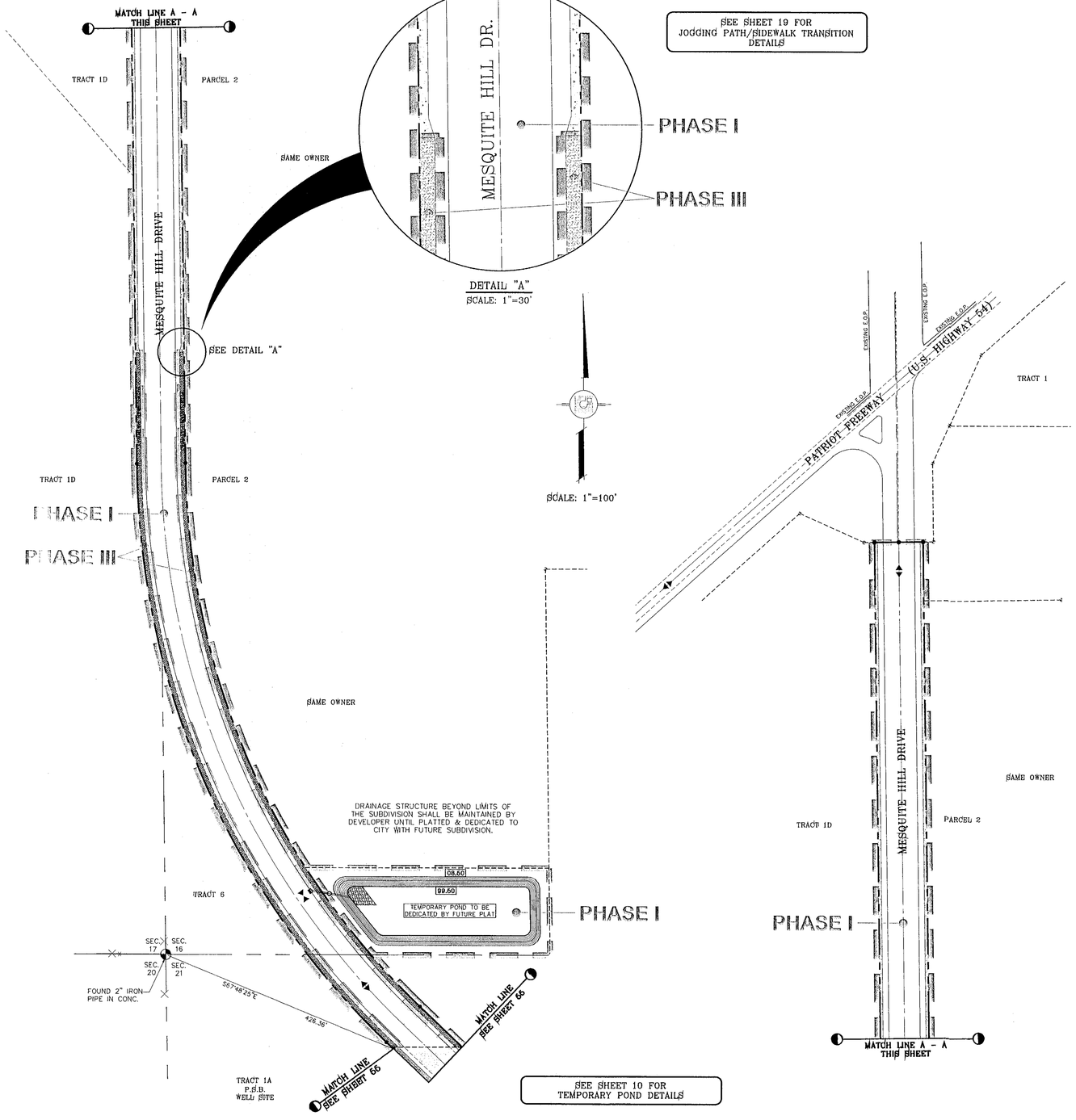
103096



SEE SHEET 19 FOR JOGGING PATH/SIDEWALK TRANSITION DETAILS

SEE SHEET 10 FOR TEMPORARY POND DETAILS

LEGEND

- PROPOSED PHASE
- PROPOSED 6' ROCKWALL
- PROPOSED 6' RETAINING ROCKWALL

PHASE II CONSISTS OF PARK ONLY.
PHASE III CONSISTS OF JOGGING PATH AND LANDSCAPE ONLY.

DEVELOPMENT SERVICES DEPARTMENT

SITE PLAN REVIEW
Reviewed For Conformance For Conditions Related To:

- Demolition Only
- Grading & Drainage
- Wheelchair Ramps
- On Site Parking Layout
- Sidewalks
- Driveways
- Retaining Rock Walls
- On-Site Ponding of Storm Waters

Contractor Must Call 24 Hours Prior To Construction For Inspection

BY [signature] DATE 6/30/2009

-PHASING ONLY

BENCHMARKS

VERTICAL DATUM IS CITY AS PER NATIONAL GEODETIC SURVEY MARKER "B 1383", PID# CE0410 NAVD 88 ELEVATION: 4013.41
CITY DATUM CONVERSION: 10.429
CITY DATUM ELEVATION: 4002.98

DATE	REVISIONS	BY
10-2-2007	Revise package as per revised plat.	E.F.G.
02-14-2008	City Redlines as per 02-04-2008.	E.F.G.
03-18-2008	Revise median @ intersection of Mesquite Hill Dr. and US 54.	E.F.G.
06-26-2009	Proposed Jogging Path to be developed in Phase III.	E.F.G.

PROJECT NAME

MESQUITE HILLS UNIT TWO

BEING A PORTION OF TRACT 6, SECTION 16, PORTION OF TRACTS 1D AND 1E, SECTION 17, AND PORTION OF TRACTS 1A, 2, AND 3A, SECTION 21, BLOCK 80, TSP 1, TEXAS AND PACIFIC RAILROAD Co. SURVEYS, AND PORTION OF MESQUITE HILL DRIVE, MESQUITE HILLS, CITY OF EL PASO, EL PASO COUNTY, TEXAS
CONTAINING: 73.854 ACRES

SCALE
Horiz: 1"=100'
Vert: --

DATE: MAY 2007
DESIGN BY: F.C.
INITIATED BY: E.F.G.
CHKD. BY: F.C.
JOB NO.: 1106-08

ENGINEER'S SEAL

STATE OF TEXAS
FRANCISCO CAMPA
99191
LICENSED
PROFESSIONAL ENGINEER
6/29/09

CONDE INC.
ENGINEERING / PLANNING
SURVEYING / GPS
1790 LEE TREVINO DR. STE 400
EL PASO, TEXAS 79936

CONDE INC.

SHEET TITLE

PHASING PLAN

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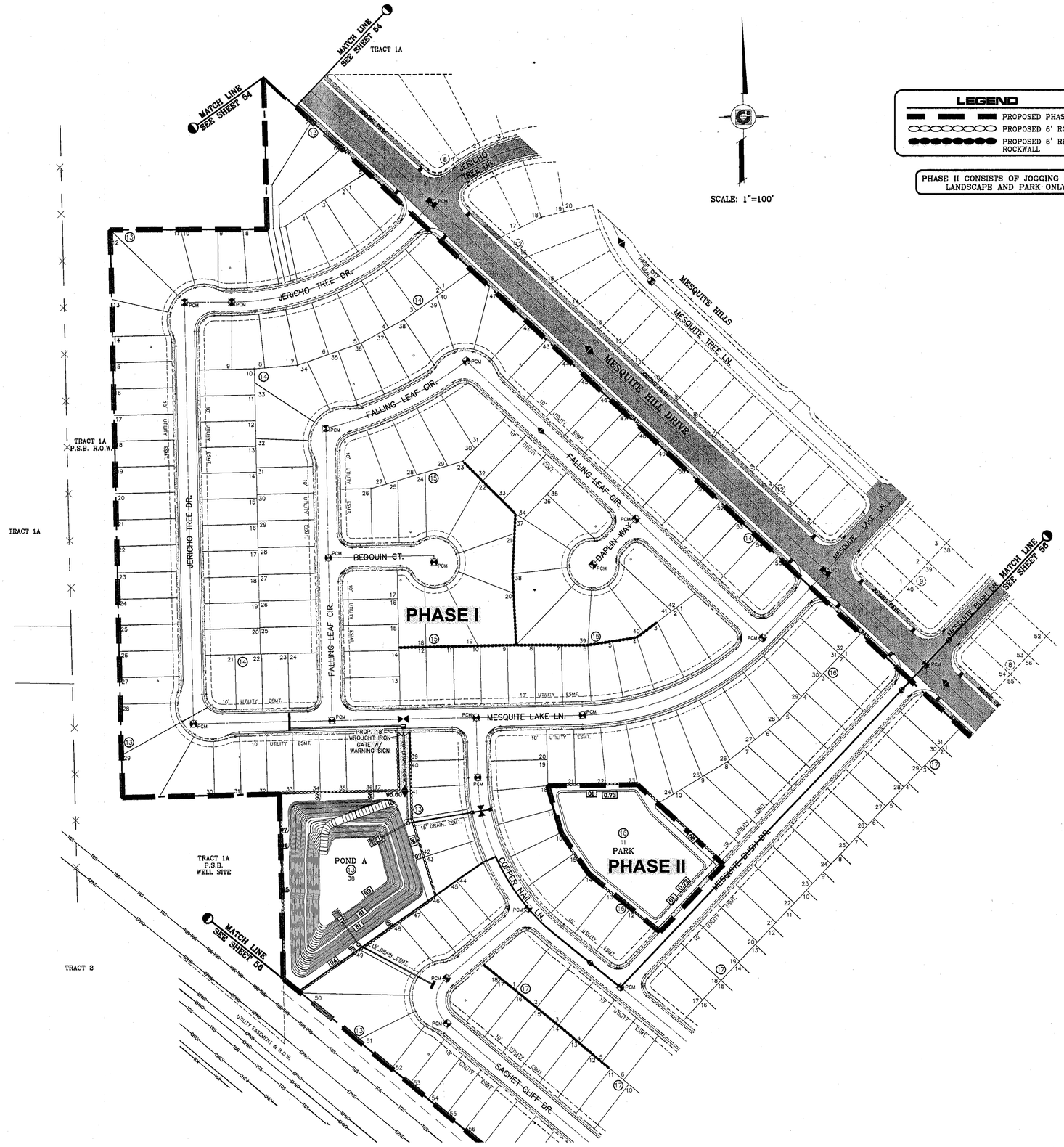

LEGEND

- PROPOSED PHASE
- PROPOSED 6' ROCKWALL
- PROPOSED 6' RETAINING ROCKWALL

PHASE II CONSISTS OF JOGGING PATH/ LANDSCAPE AND PARK ONLY

SCALE: 1"=100'

BENCHMARKS

VERTICAL DATUM IS CITY AS PER NATIONAL GEODETIC SURVEY MARKER "B 1383", PID# CE0410 NAVD 88 ELEVATION: 4013.41 CITY DATUM CONVERSION: 10.429 CITY DATUM ELEVATION: 4002.98

DATE	REVISIONS	BY
10-2-2007	Revise package as per revised plat.	E.F.G.
02-14-2008	City Redlines as per 02-04-2008.	E.F.G.

PROJECT NAME

MESQUITE HILLS UNIT TWO

BEING A PORTION OF TRACT 6, SECTION 16, PORTION OF TRACTS 1D AND 1E, SECTION 17, AND PORTION OF TRACTS 1A, 2, AND 3A, SECTION 21, BLOCK 80, TSP 1, TEXAS AND PACIFIC RAILROAD Co. SURVEYS, AND PORTION OF MESQUITE HILL DRIVE, MESQUITE HILLS, CITY OF EL PASO, EL PASO COUNTY, TEXAS CONTAINING: 73.854 ACRES

SCALE
Horiz: 1"=100'
Vert: --

DATE: MAY 2007
DESIGN BY: F.C.
INITIATED BY: E.F.G.
CHKD. BY: F.C.
JOB NO.: 1106-06

ENGINEER'S SEAL

STATE OF TEXAS
FRANCISCO CAMPA
99191
LICENSED
PROFESSIONAL ENGINEER

CONDE INC.
ENGINEERING / PLANNING
SURVEYING / GPS
1790 LEE TREVINO DR. STE 400
EL PASO, TEXAS 79936

CONDE INC.

SHEET TITLE

PHASING PLAN

SHT 55 OF 59

MESQUITE HILLS UNIT TWO

103096

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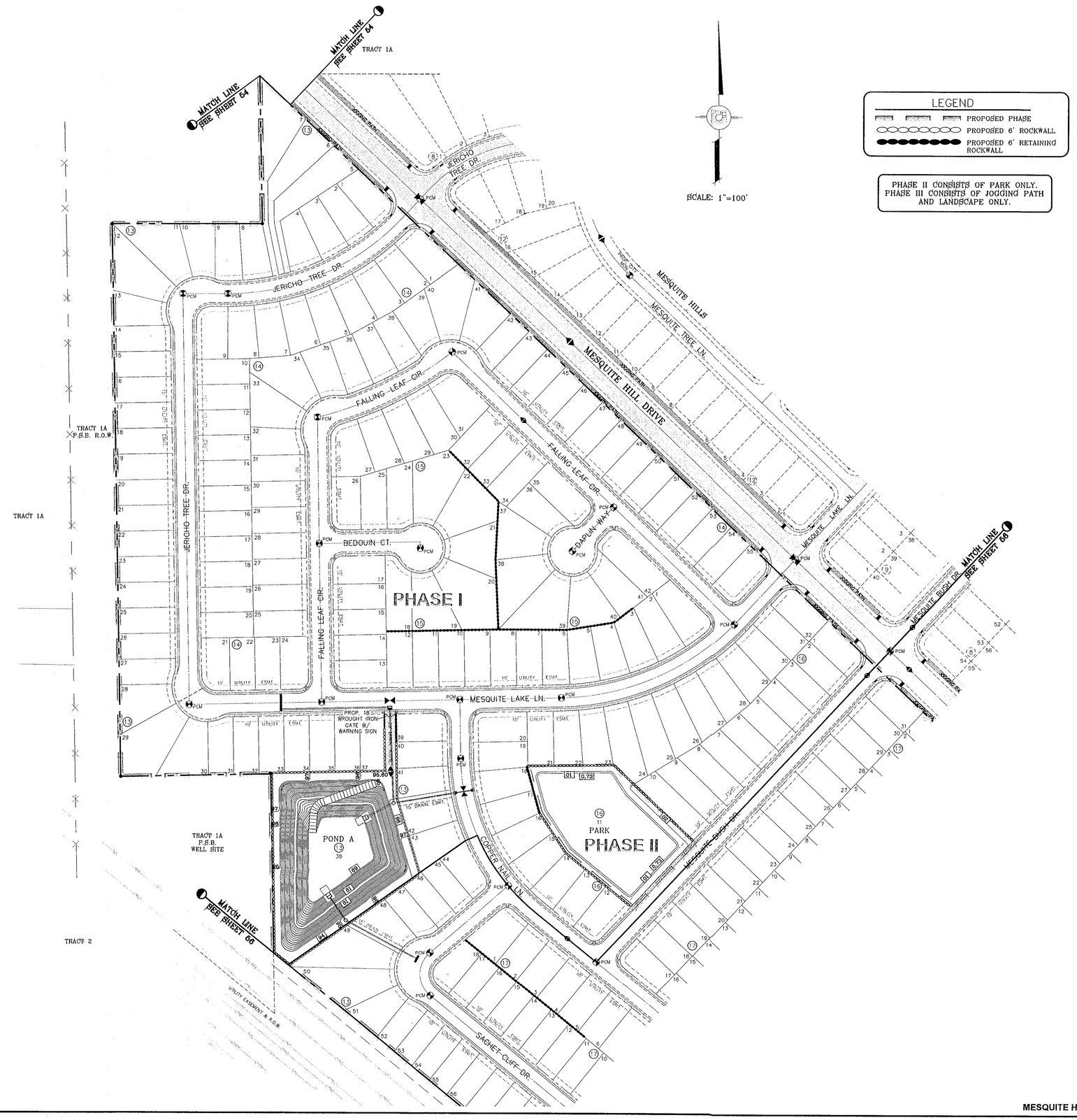

LEGEND

PROPOSED PHASE

PROPOSED 6' ROCKWALL

PROPOSED 6' RETAINING ROCKWALL

PHASE II CONSISTS OF PARK ONLY.
PHASE III CONSISTS OF JOGGING PATH AND LANDSCAPE ONLY.

BENCHMARKS

VERTICAL DATUM IS CITY AS PER NATIONAL GEODETIC SURVEY MONUMENT "EL PASO RM 15" NAD 83 ELEVATION: 4013.41
CITY DATUM CONVERSION: -10.429
CITY DATUM ELEVATION: 4002.98

DATE	REVISIONS	BY
10-2-2007	Revise package as per revised plat.	E.F.G.
02-14-2008	City Redlines as per 02-04-2008.	E.F.G.
06-26-2008	Proposed Jogging Path to be developed in Phase III.	E.F.G.

PROJECT NAME

MESQUITE HILLS UNIT TWO

BEING A PORTION OF TRACT 6, SECTION 16, PORTION OF TRACTS 1D AND 1E, SECTION 17, AND PORTION OF TRACT 3, BLOCK 3A, SECTION 21, BLOCK 80, TSP, TEXAS AND PACIFIC RAILROAD Co. SURVEYS, AND PORTION OF MESQUITE HILL DRIVE. MESQUITE HILLS, CITY OF EL PASO, EL PASO COUNTY, TEXAS
CONTAINING: 73.854 ACRES

SCALE
Horiz: 1"=100'
Vert: --
DATE: MAY 2007
DESIGN BY: F.C.
INITIATED BY: E.F.G.
CHKD. BY: F.C.
JOB NO.: 1109-06

ENGINEER'S SEAL

STATE OF TEXAS
FRANCISCO CAMPA
98191
LICENSED PROFESSIONAL ENGINEER
05-19-09

CONDE INC.
ENGINEERING / PLANNING
SURVEYING / GPS
1790 LEE TREVINO DR. STE 400
EL PASO, TEXAS 79936

CONDE INC.

SHEET TITLE

PHASING PLAN

SHT 55 OF 59

MESQUITE HILLS UNIT TWO

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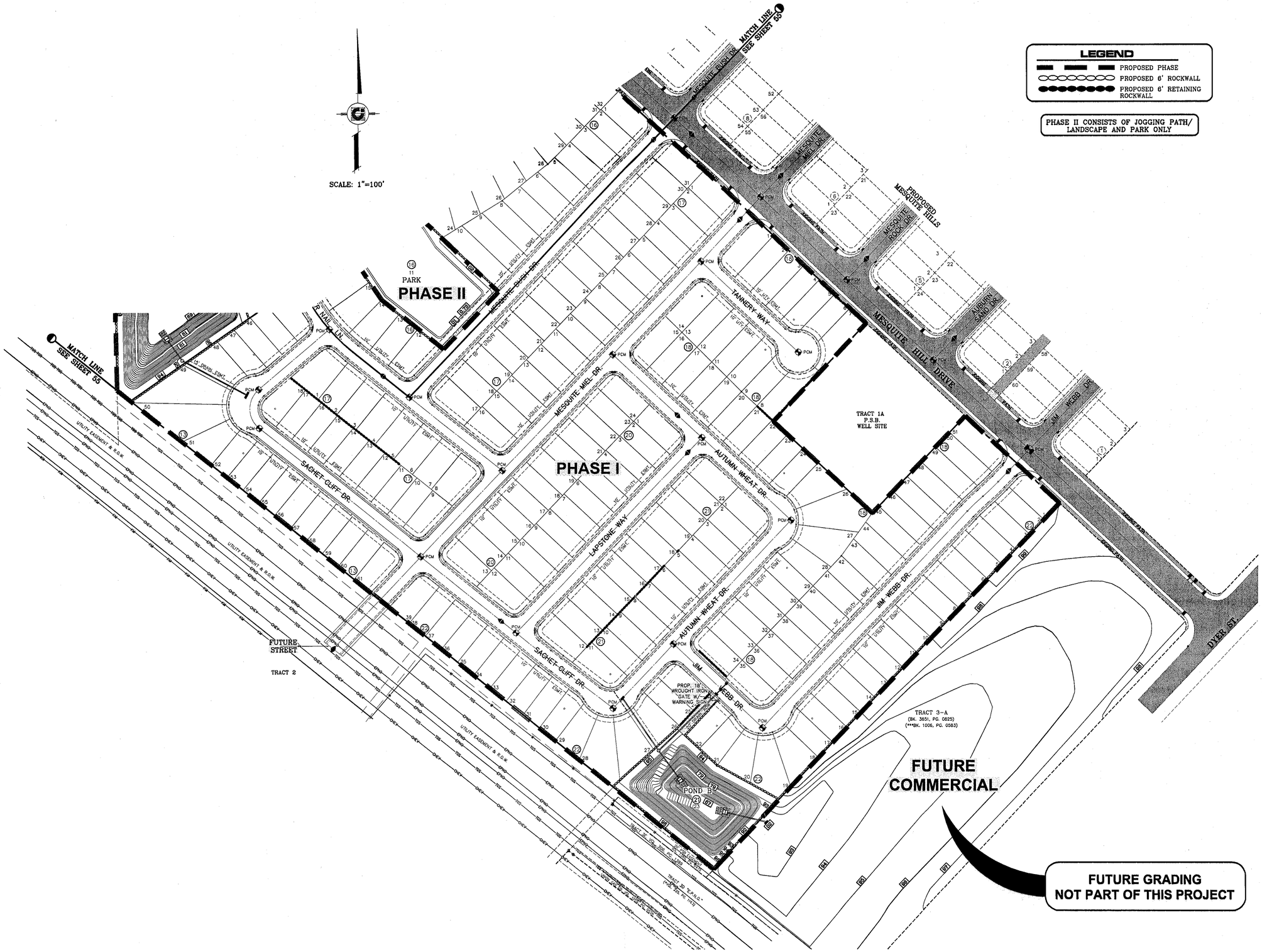

BENCHMARKS

VERTICAL DATUM IS CITY AS PER NATIONAL GEODETIC SURVEY MARKER "B 1383", PID# CE0410 NAVD 88 ELEVATION: 4013.41 CITY DATUM CONVERSION: 10.429 CITY DATUM ELEVATION: 4002.98

DATE	REVISIONS	BY
10-2-2007	Revise package as per revised plat.	E.F.G.
02-14-2008	City Redlines as per 02-04-2008.	E.F.G.

PROJECT NAME

MESQUITE HILLS UNIT TWO

BEING A PORTION OF TRACT 6, SECTION 16, PORTION OF TRACTS 1D AND 1E, SECTION 17, AND PORTION OF TRACTS 1A, 2, AND 3A, SECTION 21, BLOCK 80, TSP 1, TEXAS AND PACIFIC RAILROAD Co. SURVEYS, AND PORTION OF MESQUITE HILL DRIVE, MESQUITE HILLS, CITY OF EL PASO, EL PASO COUNTY, TEXAS CONTAINING: 73.854 ACRES

SCALE
Horiz: 1"=100'
Vert: --

DATE: MAY 2007
DESIGN BY: F.C.
INITIATED BY: E.F.G.
CHKD. BY: F.C.
JOB NO.: 1106-06

ENGINEER'S SEAL

STATE OF TEXAS
FRANCISCO CAMPA
99191
REGISTERED PROFESSIONAL ENGINEER
03/07/08

CONDE INC.
ENGINEERING / PLANNING
SURVEYING / GPS
1790 LEE TREVINO DR. STE 400
EL PASO, TEXAS 79936

CONDE INC.

SHEET TITLE

PHASING PLAN

SHT 56 OF 59

MESQUITE HILLS UNIT TWO

103096

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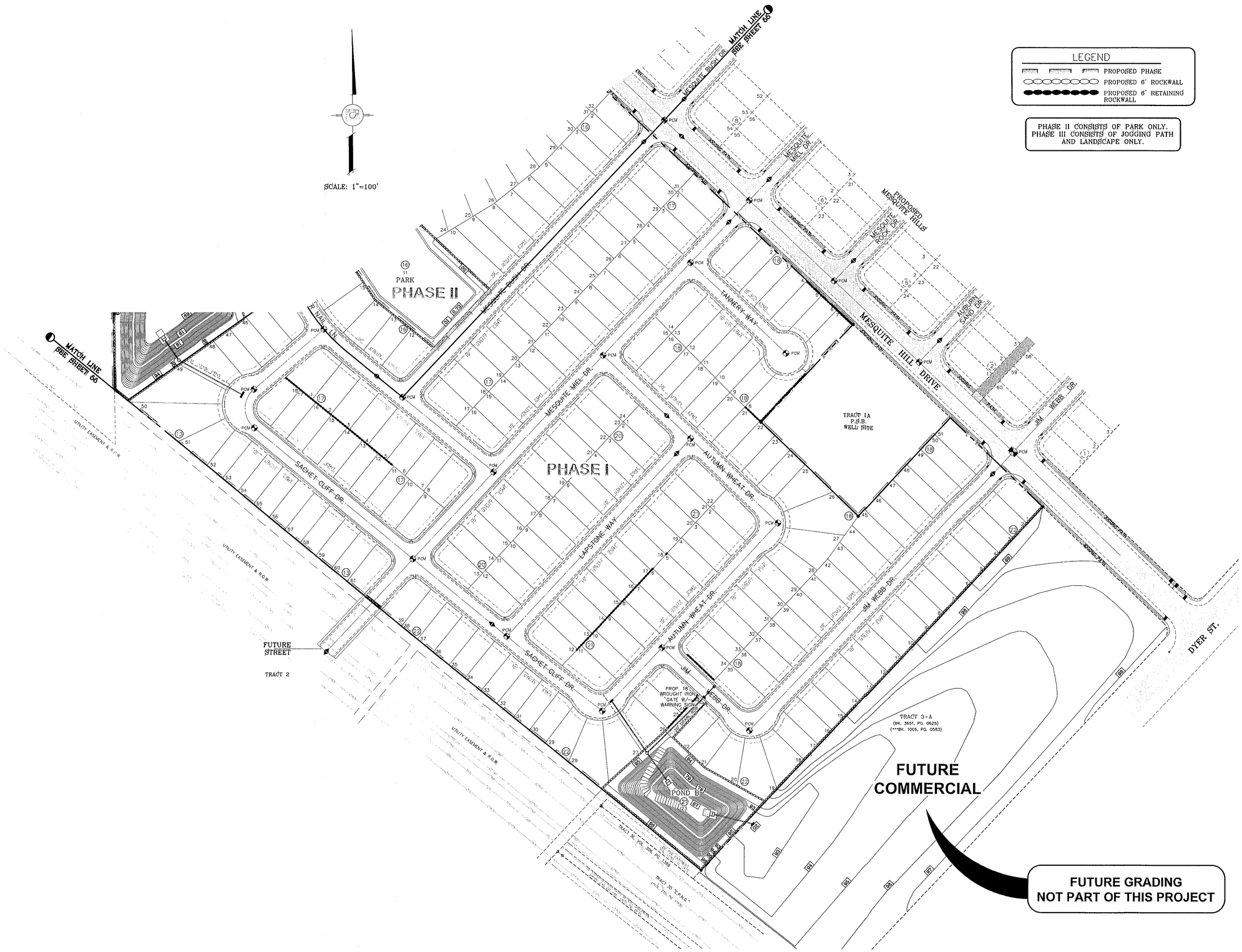

BENCHMARKS

VERTICAL DATUM IS CITY AS PER NATIONAL GEODETIC SURVEY MARKER "A 1043 AM 2" PID AG1043 NAVD 88 ELEVATION: 4013.41
CITY DATUM CONVERSION: 10.429
CITY DATUM ELEVATION: 4002.98

DATE	REVISIONS	BY
10-2-2007	Revise package as per revised plat.	B.F.G.
02-14-2008	City Redlines as per 02-04-2008.	B.F.G.
06-26-2009	Proposed Jogging Path to be developed in Phase III.	E.F.G.

PROJECT NAME

MESQUITE HILLS UNIT TWO

BEING A PORTION OF TRACT 6, SECTION 16, PORTION OF TRACTS 1D AND 1E, SECTION 17, AND PORTIONS OF TRACTS 1A, 2, AND 3A, SECTION 20, BLOCK 80, TSP 1, TEXAS AND PACIFIC RAILROAD Co. SURVEYS, AND PORTION OF MESQUITE HILL DRIVE, MESQUITE HILLS, CITY OF EL PASO, EL PASO COUNTY, TEXAS
CONTAINING: 73.854 ACRES

SCALE
Horiz: 1"=100'
Vert: ---
DATE: MAY 2007
DESIGN BY: F.G.
INITIATED BY: B.F.G.
CHKD. BY: F.G.
JOB NO.: 1106-06

ENGINEER'S SEAL
STATE OF TEXAS
FRANCISCO GARCIA
99191
LICENSED PROFESSIONAL ENGINEER

CONDE INC.
ENGINEERING / PLANNING
SURVEYING / GPS
1790 LEE TREVINO DR. STE 400
EL PASO, TEXAS 79936
CONDE INC.

SHEET TITLE

PHASING PLAN

SHT 56 OF 59

MESQUITE HILLS UNIT TWO

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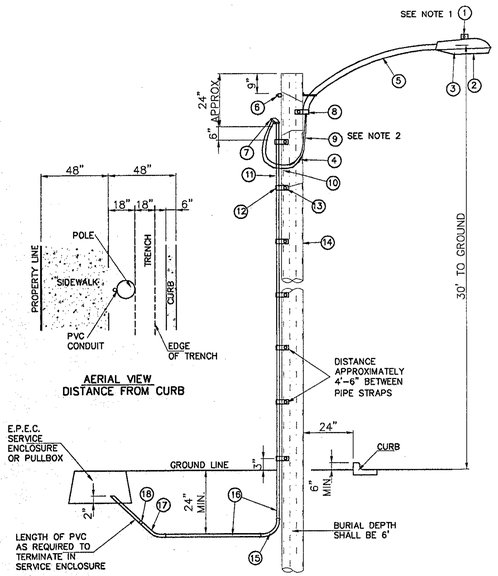


AERIAL VIEW
DISTANCE FROM CURB

UNDERGROUND RESIDENTIAL STREET LIGHT WOOD POLE
E.P.E.C. STD. DSU 805

PROPOSED LIGHT

EXISTING LIGHT

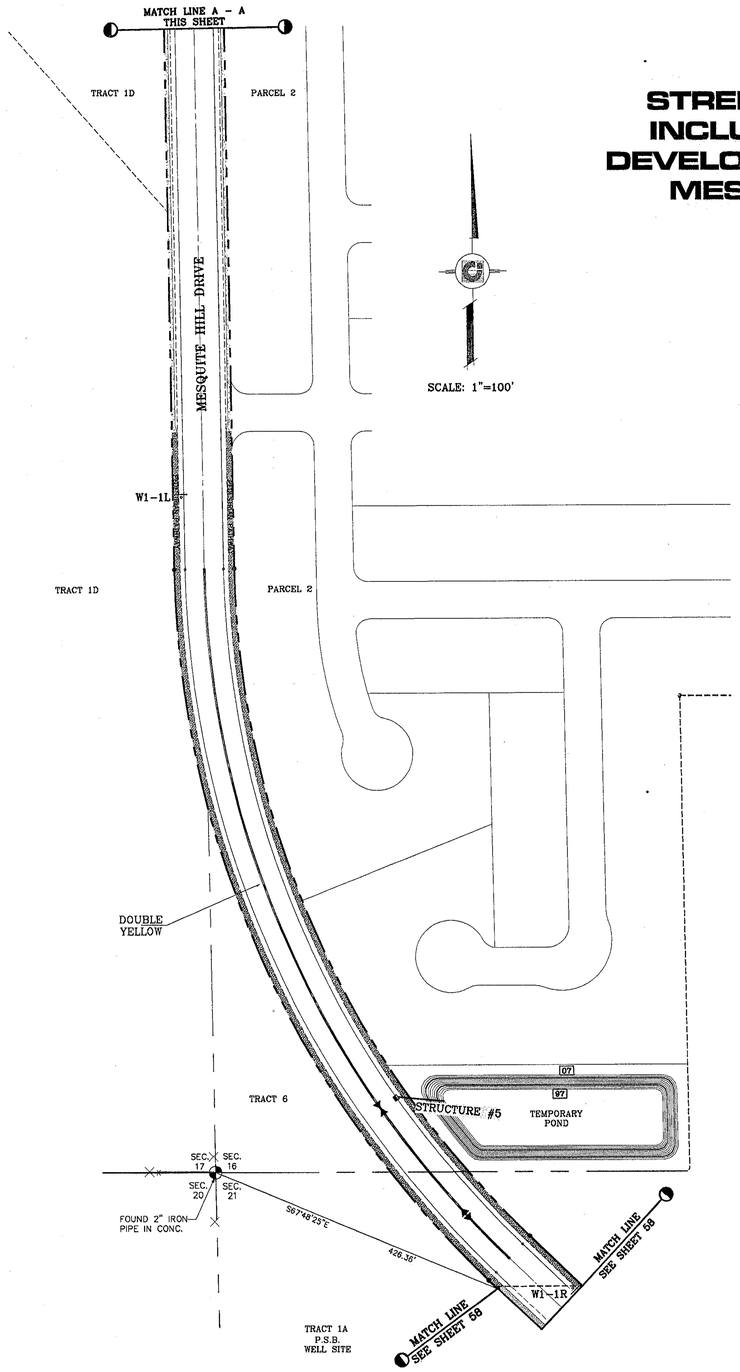
NOTE: (N.D.C.B.U. LOCATION)
N.D.C.B.U. TO BE PROVIDED BY U.S.P.S. AT TIME OF LOT DEVELOPMENT.

INSTALL TRAFFIC CONTROL DEVICES AS SHOWN

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

ITEM	No.	DESCRIPTION	STOCK\DSU No.	QTY.	C\U CODE	MACRO CODE
1		PHOTOCELL, 240 V-SEE NOTE 1	21-225	1	LCOBRAHD	LCOBRAUG
2		HPS LAMP 100 W	21-085	1		
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	LBRKT1*6	
6		MACHINE BOLT, 5/8" x 12"	02-470	1	LMB5/812	
		SQUARE GALV. WASHER, 2 1/4"x2 1/4"	02-760	1		
		COIL SPRING WASHER, 5/8"	02-786	1		
		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 CBLE, #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 CONDUITM 2 HOLE	17-283	7	LPVCSTRP	
13		NAIL, STAINLESS STEEL SCREW 2.5"	14-427	.25#	LNAL14*2	
14		POLE, 35' CLASS 4	09-035	1	L354UG	
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	

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.

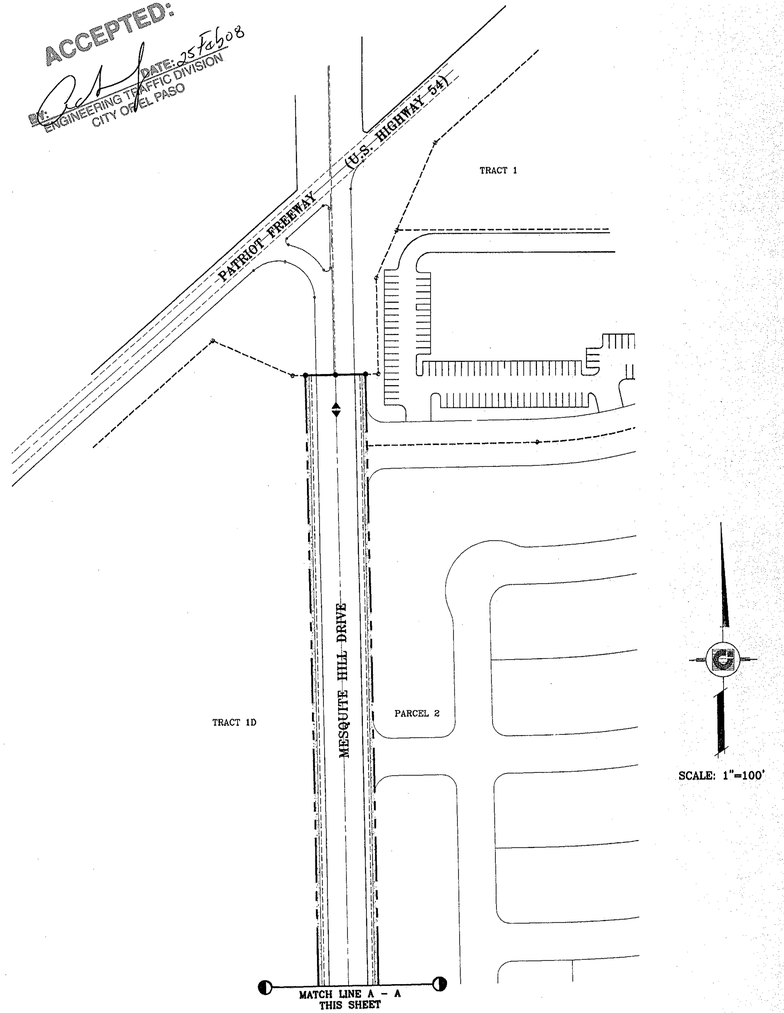


SCALE: 1"=100'

STREET LIGHTS TO BE INCLUDED IN FUTURE DEVELOPMENT ABUTTING MESQUITE HILL DR.

ALL ROADWAYS INTERSECTING EXISTING PUBLIC ROADWAYS SHALL REMAIN COMPLETELY CLOSED. FOR PUBLIC USE UNTIL ACCEPTED FOR MAINTENANCE BY THE CITY.

ACCEPTED:
BY: ENGINEERING TRAFFIC DIVISION CITY OF EL PASO
DATE: 25 Feb 08



SCALE: 1"=100'

MESQUITE HILLS UNIT TWO

BENCHMARKS
VERTICAL DATUM IS CITY AS PER NATIONAL GEODETIC SURVEY MARKER "B 1383", PID# EC0410 NAVD 88 ELEVATION: 4013.41
CITY DATUM CONVERSION: 10,429
CITY DATUM ELEVATION: 4003.98

DATE	REVISIONS	BY
09-25-2007	Revise package as per revised plat.	E.F.G.

PROJECT NAME
MESQUITE HILLS UNIT TWO

BEING A PORTION TRACTS 1A, 2, AND 3A, SECTION 21, BLOCK 80, TSP 1, TEXAS AND PACIFIC RAILROAD Co. SURVEYS, CITY OF EL PASO, EL PASO COUNTY, TEXAS
CONTAINING: 73.854 ACRES

SCALE
Horiz: 1"=100'
Vert: ---
DATE: MAY 2007
DESIGN BY: F.C.
INITIATED BY: E.F.G.
CHKD BY: F.C.
JOB NO.: 1105-06

ENGINEER'S SEAL
STATE OF TEXAS
FRANCISCO CAMPOS
99191
LICENSED PROFESSIONAL ENGINEER
09/25/07

CONDE INC.
ENGINEERING / PLANNING
SURVEYING / GPS
1790 LEE TREVINO DR. STE 400
EL PASO, TEXAS 79936
CONDE INC.

SHEET TITLE
ILLUMINATION PLAN

SHT 57 OF 59

103096

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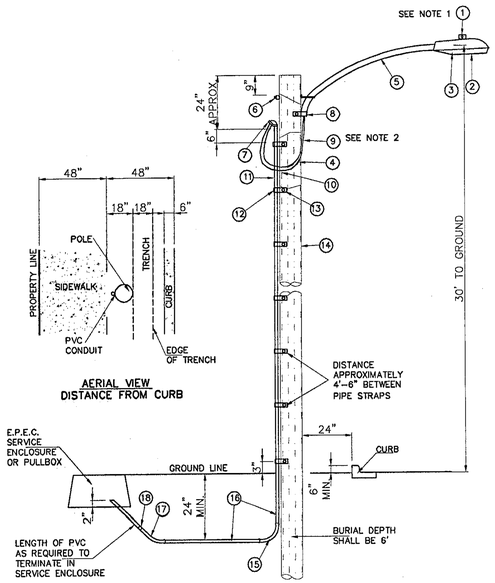
NOTE: (N.D.C.B.U. LOCATION)
N.D.C.B.U. TO BE PROVIDED BY U.S.P.S. AT TIME OF LOT DEVELOPMENT.

INSTALL TRAFFIC CONTROL DEVICES AS SHOWN



UNDERGROUND RESIDENTIAL
STREET LIGHT WOOD POLE
E.P.E.C. STD. DSU 805

PROPOSED LIGHT

EXISTING LIGHT

ALL ROADWAYS INTERSECTING EXISTING PUBLIC ROADWAYS SHALL REMAIN COMPLETELY CLOSED. FOR PUBLIC USE UNTIL ACCEPTED FOR MAINTENANCE BY THE CITY.

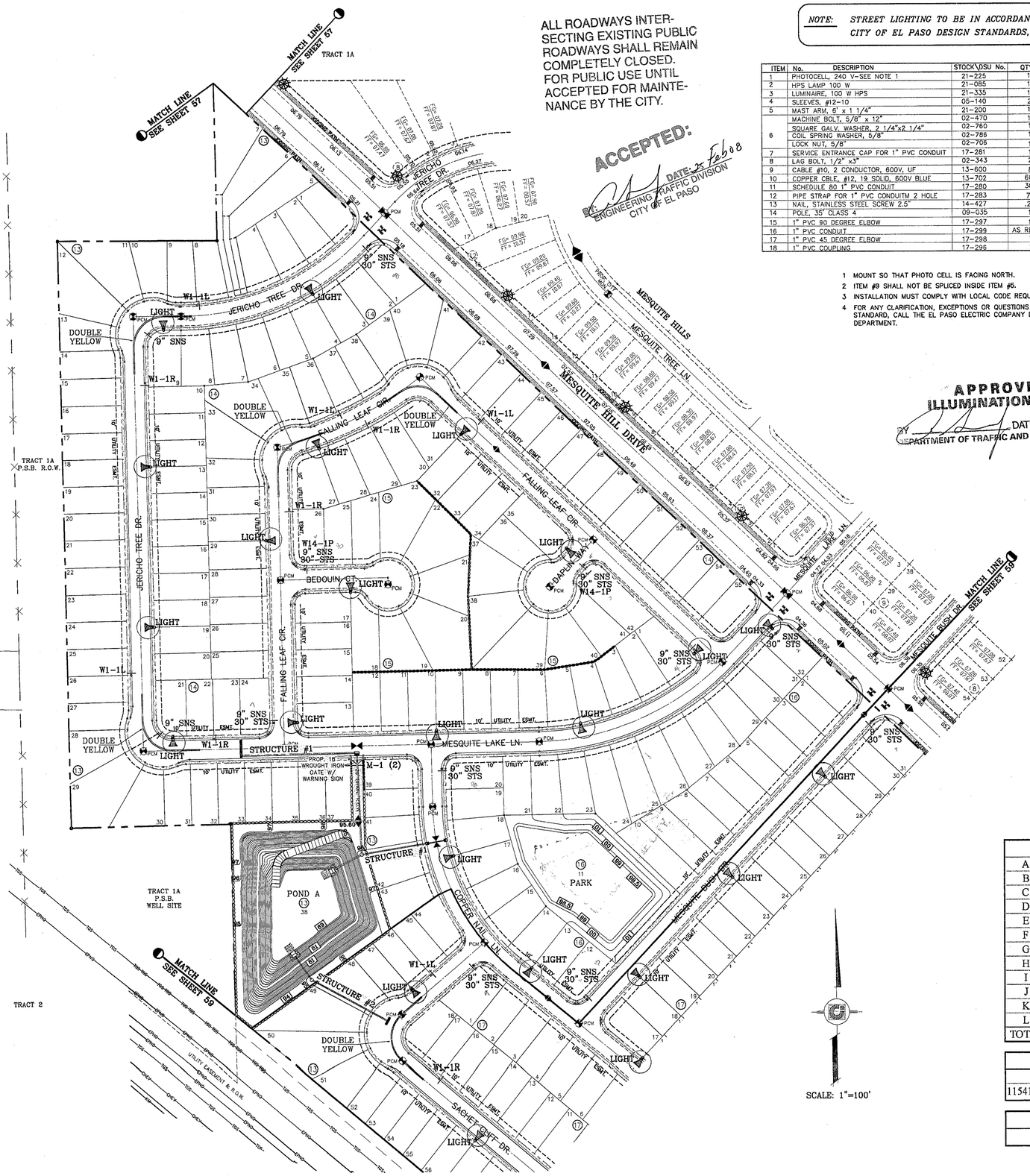
ACCEPTED:
DATE: 25 Feb 08
BY: ENGINEERING / TRAFFIC DIVISION
CITY OF EL PASO

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

ITEM	No.	DESCRIPTION	STOCK\DSU No.	QTY.	C\U CODE	MACRO CODE
1		PHOTOCELL, 240 V-SEE NOTE 1	21-225	1	LCOBRAHD	LCOBRAUG
2		HPS LAMP 100 W	21-085	1		
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	LBRKT1*6	
6		MACHINE BOLT, 5/8" x 12"	02-470	1	LMB5/812	
		SQUARE GAL'V. WASHER, 2 1/4"x2 1/4"	02-760	1		
		CON. SPRING WASHER, 5/8"	02-786	1		
		LOCK NUT, 5/8"	02-708	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 CBLE, #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 CONDUITM 2 HOLE	17-283	7	LPVCSTRP	
13		NAIL, STAINLESS STEEL SCREW 2.5"	14-427	.25#	LNAL14*2	
14		POLE, 35' CLASS 4	09-035	1	L354UG	
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	17-295	1	LCPLG1	

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.

APPROVED
ILLUMINATION PLAN
BY: DEPARTMENT OF TRAFFIC AND TRANSPORTATION
DATE: 23 Jan 08



SCALE: 1"=100'

Centerline Distances	
A	2567.72
B	1589.08
C	224.26
D	143.29
E	578.26
F	2278.43
G	1070.70
H	110.18
I	1044.63
J	558.53
K	318.90
L	1057.38
TOTAL	11541.36

Street Lights Required			
11541.36	Divided by	300	38

Street Lights Provided
39

MESQUITE HILLS UNIT TWO

BENCHMARKS
VERTICAL DATUM IS CITY AS PER NATIONAL GEODETIC SURVEY MARKER "B 1383" PID# CD0410 NAVD 88 ELEVATION: 4013.41
CITY DATUM CONVERSION: 10,429
CITY DATUM ELEVATION: 4002.98

DATE	REVISIONS	BY
09-25-2007	Revise package as per revised plat.	E.F.G.

PROJECT NAME
MESQUITE HILLS UNIT TWO

BEING A PORTION TRACTS 1A, 2, AND 3A, SECTION 21, BLOCK 80, TSP 1, TEXAS AND PACIFIC RAILROAD Co. SURVEYS, CITY OF EL PASO, EL PASO COUNTY, TEXAS
CONTAINING: 73.854 ACRES

SCALE: Horiz: 1"=100' Vert: ---
DATE: MAY 2007
DESIGN BY: F.C.
INITIATED BY: E.F.G.
CHKD. BY: F.C.
JOB NO: 1106-06

ENGINEER'S SEAL
FRANCISCO CAMPA 99191 LICENSED PROFESSIONAL ENGINEER STATE OF TEXAS

CONDE INC.
ENGINEERING / PLANNING
SURVEYING / GPS
1790 LEE TREVINO DR. STE 400
EL PASO, TEXAS 79936
CONDE INC.

SHEET TITLE
ILLUMINATION PLAN

SHT 58 OF 59

103096

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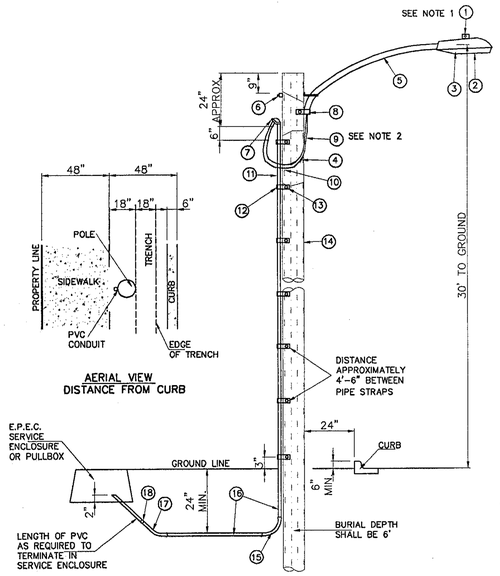


UNDERGROUND RESIDENTIAL STREET LIGHT WOOD POLE

E.P.E.C. STD. DSU 805

PROPOSED LIGHT

EXISTING LIGHT

NOTE: (N.D.C.B.U. LOCATION)
N.D.C.B.U. TO BE PROVIDED BY U.S.P.S. AT TIME OF LOT DEVELOPMENT.

INSTALL TRAFFIC CONTROL DEVICES AS SHOWN

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

ITEM	No.	DESCRIPTION	STOCK\DSU No.	QTY.	C\U CODE	MACRO CODE
1		PHOTOCELL, 240 V-SEE NOTE 1	21-225	1	LCOBRAHD	LCOBRAUG
2		HPS LAMP 100 W	21-085	1		
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	LBRKT1*6	
6		MACHINE BOLT, 5/8" x 12"	02-470	1	LMB5/812	
		SQUARE GALV. WASHER, 2 1/4"x2 1/4"	02-760	1		
		COIL SPRING WASHER, 5/8"	02-786	1		
		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 CBLE, #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 CONDUITM 2 HOLE	17-283	7	LPVCSTRP	
13		NAIL, STAINLESS STEEL SCREW 2.5"	14-427	.25#	LNAL14*2	
14		POLE, 35' CLASS 4	09-035	1	L35-4UG	
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	

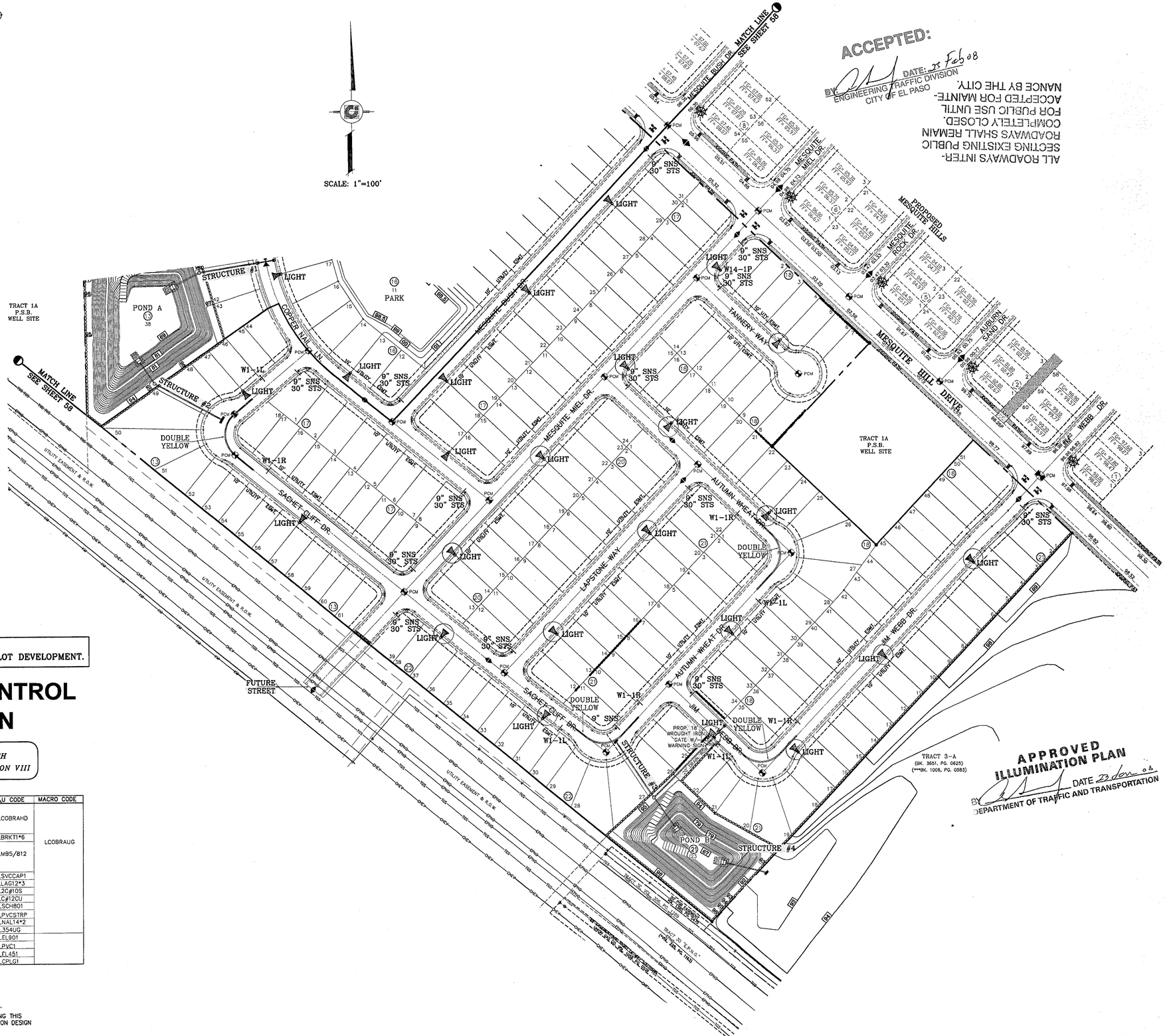
1 MOUNT SO THAT PHOTO CELL IS FACING NORTH.

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.

SCALE: 1"=100'



ACCEPTED:
BY: ENGINEERING TRAFFIC DIVISION CITY OF EL PASO DATE: 28 Feb 08

ALL ROADWAYS INTER-SECTING EXISTING PUBLIC ROADWAYS SHALL REMAIN COMPLETELY CLOSED. FOR PUBLIC USE UNTIL ACCEPTED FOR MAINTE-NANCE BY THE CITY.

APPROVED ILLUMINATION PLAN
BY: DEPARTMENT OF TRAFFIC AND TRANSPORTATION DATE: 23 dec 04

MESQUITE HILLS UNIT TWO

BENCHMARKS
VERTICAL DATUM IS CITY AS PER NATIONAL GEODETIC SURVEY MARKER "B 1383", PID# CE0410 NAVD 88 ELEVATION: 4013.41
CITY DATUM CONVERSION: 10.429
CITY DATUM ELEVATION: 4002.98

DATE	REVISIONS	BY
09-25-2007	Revise package as per revised plat.	E.F.G.

PROJECT NAME

MESQUITE HILLS UNIT TWO

BEING A PORTION TRACTS 1A, 2, AND 3A, SECTION 21, BLOCK 80, TSP 1, TEXAS AND PACIFIC RAILROAD Co. SURVEYS, CITY OF EL PASO, EL PASO COUNTY, TEXAS
CONTAINING: 72.854 ACRES

SCALE
Horiz: 1"=100'
Vert: ---
DATE: MAY 2007
DESIGN BY: F.C.
INITIATED BY: E.F.G.
CHKD. BY: F.C.
JOB NO.: 1109-06

ENGINEER'S SEAL
STATE OF TEXAS
FRANCISCO CAMPOS
99191
LICENSED PROFESSIONAL ENGINEER

CONDE INC.
ENGINEERING / PLANNING
SURVEYING / GPS
1790 LEE TREVINO DR. STE 400
EL PASO, TEXAS 79936

CONDE INC.

SHEET TITLE

ILLUMINATION PLAN

SHT 59 OF 59

MESQUITE HILLS UNIT TWO

103096

C:\Land Projects 2006\MESQUITE HILLS 2-RE\dwg\MH2-GDPL.dwg, LUM3, 11/02/2005 1:48:48 PM

SCALE 1" = 20'

PARK
52,156 SF.

MESQUITE BUSH DR. S43°15'

S51°03'02"E 160.41'

811.34'

10' UTILITY ESMT.

4002

36.75

18.25

35.40'

0.73

01

02

6" x 6" Concrete mow strip with #4 rebar

4 inches of screening material over a non-woven weed barrier fabric overlapped & pinned one foot on center at seams and along edges, and pinned every 3 feet on center each way

IRRIGATION LEGEND

	FEBCO 825YA 2" RPBA W/ HYDROCOWL ENCLOSURE
	BRASS BALL ISOLATION VALVE IN CARSON H.D. 11X17 BOX
Ⓜ	2" WATER METER (INSTALLED BY DEVELOPER)
	WEATHERMATIC 8200CR-20 VALVE
Ⓢ	HUNTER RAIN-CLIK RAIN SENSOR Mounted on 10' pole
EM	ELECTRIC METER
C	RAINBIRD ESP-12 SAT TW STATION CONTROLLER
	LATERAL PIPE CLASS 200 IPS PLASTIC PIPE (SIZE AS NOTED ON PLAN)
	MAIN PIPING 2" PVC CLASS 200 IPS PLASTIC PIPE
△	1" Buckner DBL Lug QC Snap Lok w/Male brass stabalizer elbow/with 11" x 17" boxes that have hinged and bolt down covers.
● ◒ ◐ ○ Adjustable	HUNTER I-25 STAINLESS STEEL GEAR DRIVEN ROTOR NOZZLES: #7 @ 40 PSI 6.6 GPM 45' Radius
→	Stub-outs w/Irrigation wiring
A B C	A) VALVE # B) VALVE SIZE C) GPMS

PARKS DEPARTMENT
03/07/2008
Approved

Note: Top Soil shall comply with the City of El Paso Parks and Recreation Department, Parks Design Guidelines and Standards, Sodding Specifications, 1.02 C.

DESIGN SPACE - 36.55
ROW SPACE - 35.00

103096

REFERENCES -- BENCHMARKS

DATE	REVISIONS	BY
02/12/08	RED LINES	RMJR
03/04/08	Additional comments	RMJR

PROJECT NAME

MESQUITE BUSH PARK 1.20 AC.
11737 MESQUITE BUSH DR.
LOT 11, BLOCK 16,
MESQUITE HILLS UNIT 2
IRRIGATION PLAN

SCALE
Horiz: 1"=20
Vert: NA

DATE: 10/30/2007
DESIGN BY: RMJR
DRAWN BY: RMJR
CHKD. BY: RMJR
JOB NO.:

03-04-08

REYMUNDO MARTINEZ 9000 LICENSED PROFESSIONAL ENGINEER

SWLDS INC.
Southwest Land Development Services, Inc.
1790 LEE TREVINO DR. STE 601
EL PASO, TEXAS 79936

SHEET TITLE

SHT LI-1 OF 6

GENERAL NOTES

Ⓐ The Contractor shall verify the exact location of all existing and proposed utilities, and all site conditions prior to beginning. Any Damage caused by the Contractor shall be repaired or replaced at no additional cost to the Owner.

Ⓑ Locate all heads and valves away from low spots or areas of drainage flow.

Ⓒ 24V Electric Control Wire (#14G) and Common Ground (#12G) shall be direct burial, color coded, and all connections shall be waterproofed. No splices between controller and valves allowed. Provide expansion coils at all valves and 200' on center maximum.

Ⓓ Use sleeves whenever piping/wiring run beneath paved surfaces (drives, walks, etc.) Sleeves must be two times the size of the the diameter of pipe encased.

Ⓔ The contractor shall fine tune and adjust the irrigation system so that no water/spray will run onto the street, walks, or hit any building, walls, etc. This shall include adjusting heads, nozzles, spray arcs & radius, etc.

Ⓕ Sidewalk shall be 7' wide at the back of the curb and drain towards the street. Maximum 2% cross slope will be permitted as per ADA standards.

The contractor shall provide the Owner with As-Built Drawings on Mylar prior to approval of Final Payment.

KEYED NOTES

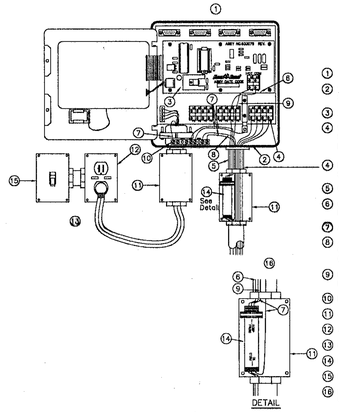
① Irrigation System Tap Point 2" Meter: Verify 55 psi & 55.5 gpm and notify Owner in writing.

② Controller Location: 110V Power by General Contractor. Location of electrical service to be placed in close proximity to controller and water meter.

SODDING INSTALLATION

SOD TYPE: HYBRID SANTA ANA BERMUDA

1. Lay sod to form a solid mass with tightly fitted joints. Butt ends and sides of sod strips. Do not overlay edges. Stagger strips to offset joints in adjacent courses. Provide sod pad top flush with adjacent curbs, sidewalks, drains.
2. Do not lay dormant sod or install sod on saturated or frozen soil.
3. Install initial row of sod in a straight line, beginning at bottom of slopes, perpendicular to direction of the sloped area. Place subsequent rows parallel to and slightly against previously installed row.
4. Peg sod on slopes greater than 3 to 1 to prevent slippage at a rate of 2 stakes per yd. of soil.
5. Water sod thoroughly with a fine spray immediately after laying.
6. Roll with light lawn roller to ensure contact with sub-grade. Rolling shall be performed in two opposite directions.

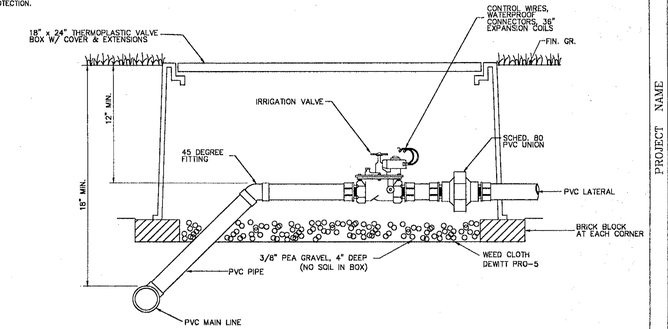


1. INSTALL IN NEMA2 APPROVED ENCLOSURE
2. RAIN BIRD ESP-SAT WALL MOUNT (METAL/PLASTIC) FIELD SATELLITE CONTROLLER
3. ESP-SAT TWO-WIRE MAXICOM INTERFACE BOARD (MIB)
4. WIRE TERMINAL CONNECTORS TO REMOTE CONTROL VALVES USE ESP-MC QUICK CONNECT TERMINAL STRIP. ALL WIRES TO BE LABELED IN CONJUNCTION WITH EACH IRRIGATION REMOTE CONTROL VALVE.
4. PLACE A QUICK DISCONNECT IN THIS GENERAL LOCATION SEPERATE FROM THE ONE ON THE CLOCK (CONTROLLER)
5. CABLE CONDUIT - SIZE AS REQUIRED
6. COMMON WIRE (BLACK) FROM MSP-1 SURGE ARRESTOR TO MAXICOM INTERFACE BOARD (MIB)
7. ALL GROUND WIRES (GREEN) TO GROUNDING BUSS BAR
8. #10 COPPER GROUND WIRE FROM ESP FIELD SATELLITE CONTROLLER GROUNDING BUSS BAR TO GROUNDING GRID (SEE GROUNDING GRID MAXICOM DETAIL 305)
9. HOT WIRE (RED) FROM MSP-1 SURGE ARRESTOR TO MAXICOM INTERFACE BOARD (MIB)
10. ESP FIELD SATELLITE CONTROLLER GROUNDING BUSS BAR
11. JUNCTION BOX - SIZE AS REQUIRED
12. 120 VOLT POWER SUPPLY W/ G.F.C.I. PROTECTION
13. REFER TO LOCAL ELECTRIC CODE FOR CONNECTIONS
14. RAIN BIRD MSP-1 RECOMMENDED SURGE ARRESTOR TO BE IN SEPERATE BOX WITH COVER
15. POWER ON/OFF SWITCH
16. RAIN BIRD WARRANTY REQUIRES PROPER SURGE PROTECTION. USE INTERMATIC AG2401 OR TRIPPLITE ISOBAR

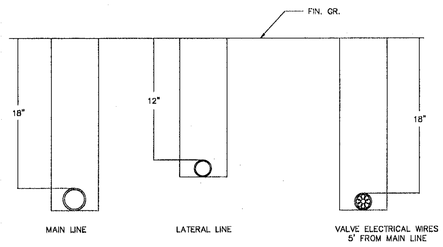
ESP-12MCINSTALLATION DETAIL
N.T.S.

PLANT SCHEDULE AND GROUND COVER

SYM.	TYPE	QTY.	COMMON NAME	BOTANICAL NAME	SIZE	HT.	WT.	FORM	DESCRIPTION
			HYBRID BERMUDA SOD - "SANTA ANA"						GROUND COVER



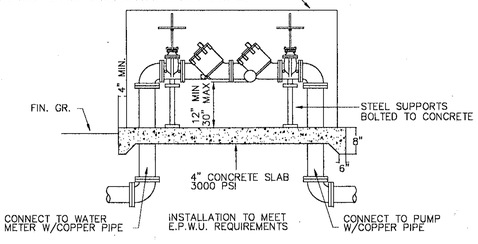
ELECTRIC CONTROL VALVE DETAIL
NOT TO SCALE



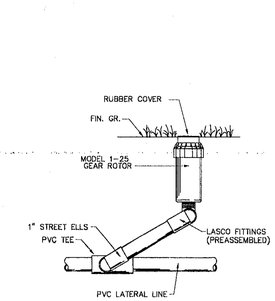
MAIN LINE, LATERAL LINE AND VALVE ELECTRICAL WIRES SHALL EACH BE INSTALLED IN SEPERATE TRENCHES.
Provide additional wire in bundle for future.

TRENCHING STANDARD DETAIL
NOT TO SCALE

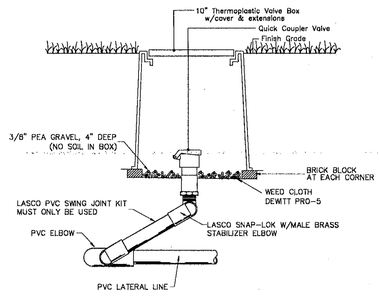
ENCLOSURE TO BE BY HYDRO COWL, SAFE-T-COVER MODEL No. 300 SERIES SERIAL NO. 308. IRRIGATOR IS TO SELECT APPROPRIATE SIZE OF ENCLOSURE AND INSTALL AS PER MANUFACTURER'S INSTRUCTIONS.



REDUCED PRESSURE B.F.P DETAIL
NOT TO SCALE



I-25 GEAR DRIVE DETAIL
NOT TO SCALE



QUICK COUPLER VALVE DETAIL
NOT TO SCALE

IRRIGATION LEGEND

⋈	FEBCO 825YA 2" RPBA W/ HYDROCOWL ENCLOSURE
	BRASS BALL ISOLATION VALVE IN CARSON H.D. 11X17 BOX
Ⓜ	2" WATER METER (INSTALLED BY DEVELOPER)
	WEATHERMATIC 8200CR-20 VALVE
Ⓢ	HUNTER RAIN-CLIK RAIN SENSOR Mounted on 10' pole
EM	ELECTRIC METER
C	RAINBIRD ESP-12 SAT TW STATION CONTROLLER
———	LATERAL PIPE CLASS 200 IPS PLASTIC PIPE (SIZE AS NOTED ON PLAN)
- - - - - -	MAIN PIPING 2" PVC CLASS 200 IPS PLASTIC PIPE
△	1" Buckner DBL Lug QC Snap Lok w/Male brass stabalizer elbow/with 11" x 17" boxes that have hinged and bolt down covers.
● ◒ ◴ ○ Adjustable	HUNTER I-25 STAINLESS STEEL GEAR DRIVEN ROTOR NOZZLES: #7 @ 40 PSI 6.6 GPM 45' Radius
—⊃	Stub-outs w/Irrigation wiring
A B C	A) VALVE # B) VALVE SIZE C) GPMS

MESQUITE BUSH PARK

LOT 11, BLOCK 16 PRESSURE LOSS CALCULATIONS: STATION 8 SECTION GPM 39.6	
2" Water meter @ 39.6 gpm	1.20 Psi Loss
2" Type 'L' Copper 20' @ 39.6 gpm	0.35 Psi Loss
2" Febco 860Y Backflow @ 39.6 gpm	4.00 Psi Loss
2" C150 200 PSI PVC Pipe 340' @ 39.6 gpm	3.37 Psi Loss
2" Weathermatic 8200 CR-20 Valve @ 39.6 gpm	2.20 Psi Loss
2" C 150 200 PSI PVC Pipe 65' @ 39.6 gpm	0.64 Psi Loss
1 1/2" C 150 200 PSI PVC Pipe 28' @ 19.8 gpm	0.23 Psi Loss
1" C 150 200 PSI PVC Pipe 30' @ 13.2 gpm	0.79 Psi Loss
1" C 150 200 PSI PVC Pipe 32' @ 6.6 gpm	0.23 Psi Loss
TOTAL PRESSURE LOSS	13.01 Psi Loss
AVAILABLE PRESSURE LESS THE LOSS (55-13.01)	41.99 Psi
PRESSURE REQUIRED AT CRITICAL HEAD	40.00 Psi

MESQUITE BUSH PARK

CITY PARK PRECIPITATION SCHEDULE

STATION NO.	TOTAL GPM	PRECIPITATION RATE	WATERING REQUIREMENTS	NO. OF HEADS	NOZZLE SIZE	VALVE SIZE
1	52.8	1 IN/HR	72 MINS. PER DAY FOR AN APPLICATION OF 1.2" PER DAY	8	#7	2"
2	52.8	1/2 IN/HR	144 MINS. PER DAY FOR AN APPLICATION OF 1.2" PER DAY	8	#7	2"
3	46.2	1 IN/HR	72 MINS. PER DAY FOR AN APPLICATION OF 1.2" PER DAY	7	#7	2"
4	46.2	1 IN/HR	72 MINS. PER DAY FOR AN APPLICATION OF 1.2" PER DAY	8	#7	2"
5	46.2	1/2 IN/HR	144 MINS. PER DAY FOR AN APPLICATION OF 1.2" PER DAY	7	#7	2"
6	46.2	1/2 IN/HR	144 MINS. PER DAY FOR AN APPLICATION OF 1.2" PER DAY	7	#7	2"
7	52.8	1/2 IN/HR	144 MINS. PER DAY FOR AN APPLICATION OF 1.2" PER DAY	8	#7	2"
8	39.6	1 IN/HR	72 MINS. PER DAY FOR AN APPLICATION OF 1.2" PER DAY	6	#7	2"
			Total Run Time: 14 hrs. 43 mins.			

NOTE: IRRIGATION IS REGULATED BY THE TEXAS COMMISSION ON ENVIRONMENTAL QUALITY, P.O. BOX 13087, AUSTIN, TEXAS 78711-3087, (512) 239-6719

REFERENCES -- BENCHMARKS

BY	REVISIONS	DATE

PROJECT NAME

MESQUITE BUSH PARK 1.20 AC.
11737 MESQUITE BUSH DR.
LOT 11, BLOCK 16,
MESQUITE HILLS UNIT 2
DETAILS PLAN

SCALE
Horiz: 1"=20
Vert: NA

DATE: 10/30/2007
DESIGN BY: RMJR
DRAWN BY: RMJR
CHKD. BY: RMJR
JOB NO.:

SWLDS INC.
Southwest Land Development Services, Inc.
1790 LEE TREVINO DR. STE 601
EL PASO, TEXAS 79936

SHEET TITLE

SHT LI-2 OF 6

PARKS DEPARTMENT 103096

RJM

TRACT 1A
P.S.B.
WELL SITE

MESQUITE HILLS UNIT ONE LANDSCAPE DESIGN

TRACT 1A

PARCEL 2

PARCEL 2

JOGGING PATH

7004 MESQUITE HILLS DRIVE

Existing meter

FG= 07.73
FF= 08.40

FG= 06.96
FF= 07.63

FG= 06.80
FF= 07.47

FG= 07.00
FF= 07.67

06.79
06.13
05.70
05.55

08.19
09.13
10.06
10.97
11.00
10.79

426.36'
S 5°E

REFERENCES --- BENCHMARKS

BY	REVISIONS	DATE

PROJECT NAME

MESQUITE HILLS DRIVE
WALK PATH LANDSCAPING
LANDSCAPE & IRRIGATION
MESQUITE HILLS UNIT 2

SCALE
Horiz: 1"=30'
Vert:
DATE: JAN 2008
DESIGN BY: RMJR
DRAWN BY: RMJR
CHKD. BY: RMJR
JOB NO.:

02-20-2008
REYMUNDO MARTINEZ
9000
REGISTERED LANDSCAPE ARCHITECT

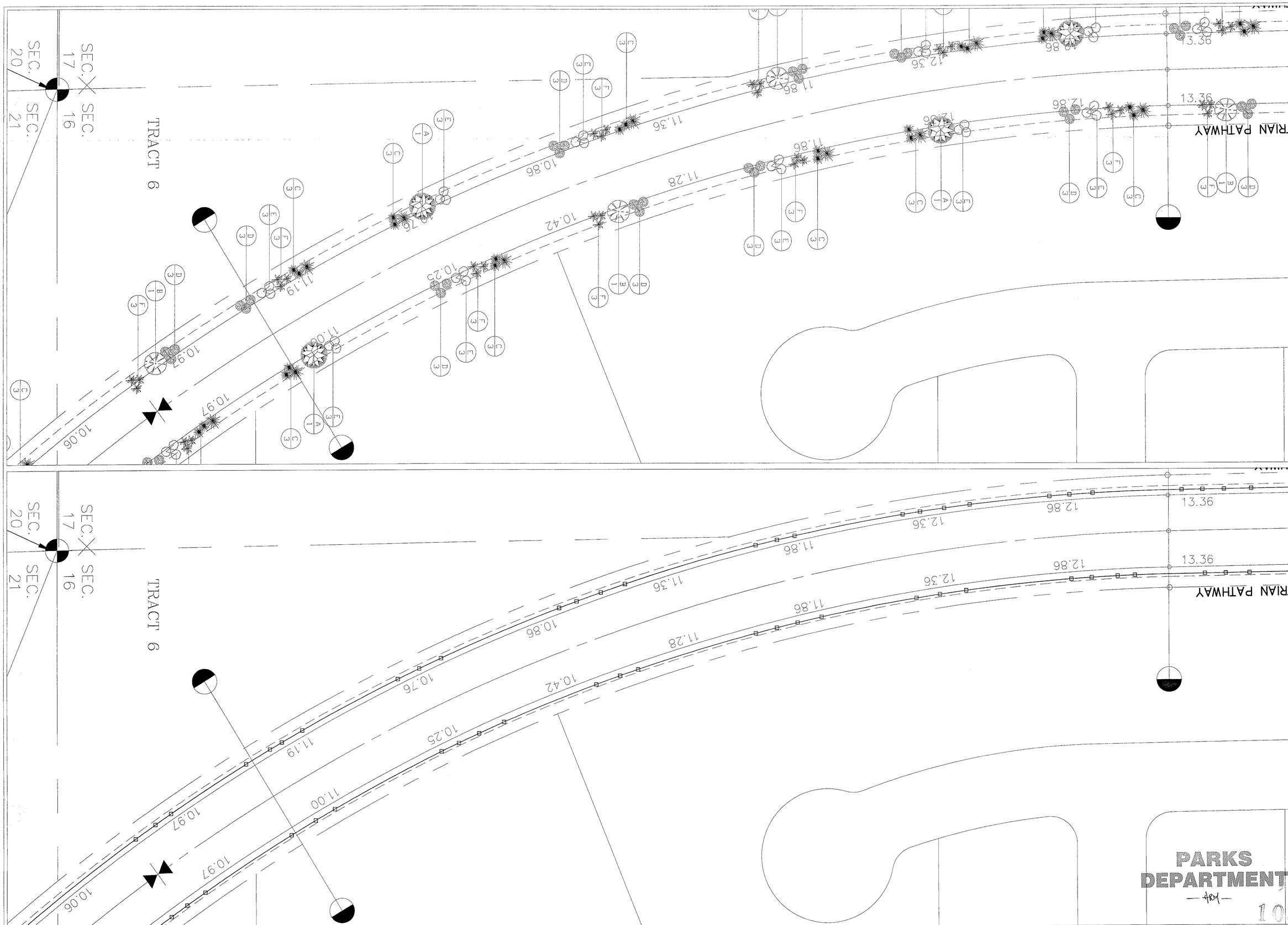
SWLDS INC.
Southwest Land Development Services, Inc.
1790 LEE TREVINO DR. STE 601
EL PASO, TEXAS 79936

SHEET TITLE

PARKS DEPARTMENT
—RM—

SHT LI-3 OF 6

103096



REFERENCES -- BENCHMARKS

DATE	REVISIONS	BY

PROJECT NAME

MESQUITE HILLS DRIVE WALK PATH LANDSCAPING LANDSCAPE & IRRIGATION MESQUITE HILLS UNIT 2

SCALE
Horiz: 1"=30'
Vert:
DATE: JAN 2008
DESIGN BY: RMJR
DRAWN BY: RMJR
CHKD. BY: RMJR
JOB NO.:

02-20-2008

REYMUNDO MARTINEZ 9600 LICENSED IRRIGATOR

SWLDS INC.
Southwest Land Development Services, Inc.
1790 LEE TREVINO DR. STE 601
EL PASO, TEXAS 79936

SHEET TITLE

SHT LI-4 OF 6

103096

REFERENCES -- BENCHMARKS

BY	REVISIONS	DATE

PROJECT NAME

MESQUITE HILLS DRIVE
WALK PATH LANDSCAPING
LANDSCAPE & IRRIGATION
MESQUITE HILLS UNIT 2

SCALE
Horiz: 1"=30'
Vert:
DATE: JAN 2008
DESIGN BY: RMJR
DRAWN BY: RMJR
CHKD. BY: RMJR
JOB NO.:

01-20-2008

REYMUNDO MARTINEZ
9000
REGISTERED LANDSCAPE ARCHITECT

SWLDS INC.
Southwest Land Development Services, Inc.
1790 LEE TREVINO DR. STE 601
EL PASO, TEXAS 79936

SHEET TITLE

PARKS DEPARTMENT

SHT LI-5 OF 6

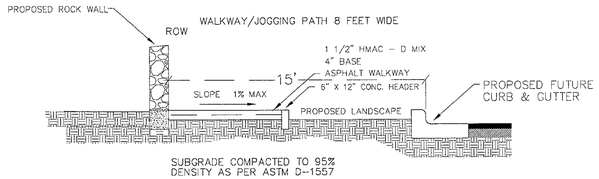
103096

PLANT SCHEDULE

SYM.	TYPE	QTY.	COMMON NAME	BOTANICAL NAME	SIZE	HT.	WT.	FORM	DESCRIPTION
	A	5	DESERT WILLOW	CHILOPSIS LINEARIS	2"			TREE	DECIDUOUS
	B	6	LIVE OAK	QUERCUS FUSIFORMIS	2"			TREE	DECIDUOUS
	C	48	RED YUCCA	HESPERALOE PARVIFLORA	5 GAL.			SHRUB	EVERGREEN
	D	48	AUTUMN SAGE	SALVI GREGGI	5 GAL.			SHRUB	SEMI-EVERGREEN
	E	48	DESERT ROSEMARY	POLIOMINTHA INCANA	5 GAL.			SHRUB	SEMI-EVERGREEN
	F	48	OLEANDER PINK	NERIUM OLEANDER	5 GAL.			SHRUB	EVERGREEN

GROUND COVERS

	G	RIVER ROCK	1"-3"		ROCK	GROUND COVER
	H	MT. FRANKLIN RED ROCK W/NON WOVEN POLYPROPYLENE WEED BARRIER	1"-3"		ROCK	GROUND COVER



WALKWAY/JOGGING PATH SECTION

SCALE: NTS

NOTES:
1. CONCRETE HEADER SHALL BE 3000 P.S.I. MINIMUM @ 28 DAYS.
2. DUMMY JOINTS AT 10' O.C ON HEADER.
3. EXPANSION JOINTS REQUIRED AT 50' O.C. WHEN FORMING HEADER.

IRRIGATION LEGEND

⊠	FEBCO 825YA; REDUCED PRESSURE BACKFLOW PREVENTION ASSEMBLY.
⊕	RAINBIRD PE SERIES 1" CONTROL VALVE UNIK SYSTEM w/ 30M PRESSURE REGULATOR AND RAINBIRD "Y" FILTER
Ⓜ	1" WATER METER (BY OTHERS)
■	MULTI PORT EMITTER MANIFOLD-RAINBIRD XERI-BIRD-XBD-80; 2 PER SHRUB, 1 PER TREE.
========	SLEEVE, PVC PIPE, CLASS 200. SIZE AS NOTED
C	RAINBIRD TBOS SERIES 1 STATION BATTERY OPERATED CONTROLLER
- - - - - - -	1" MAIN LATERAL PIPE, PVC, CLASS 200
———	LATERAL PIPE, PVC, CLASS 200, SIZE AS NOTED

GENERAL NOTES:

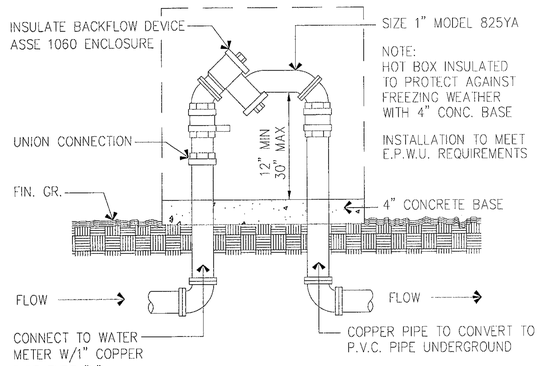
1. Contractor shall visit site and become familiar with all existing conditions.
2. All work shall be laid out by contractor for Owner approval prior to start.
3. Contractor to provide daily cleanup and removal of waste materials.
4. The Contractor shall contact Dig Tess for line locate prior to excavating.

NOTES FOR PLANTING:

1. Plant substitutions will be permitted if requested in writing giving reasons for substitutions.
2. Eradicate all existing weeds and grasses with Roundup before planting.
3. Topsoil material for planting, shall be free from hard clods, stiff clay, hard pan, stones larger than 1" in diameter, noxious weeds and plants, sod, partially disintegrated debris, insects or any other undesirable material plants or seeds that would be toxic or harmful to growth.

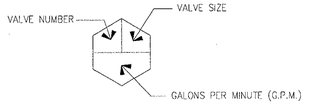
NOTES FOR IRRIGATION:

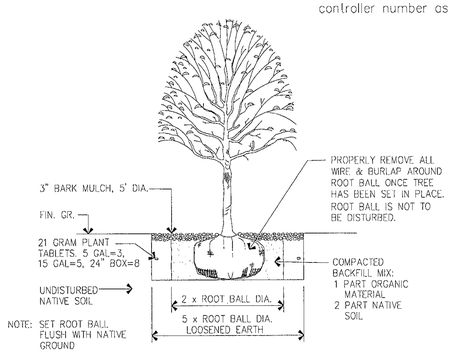
1. Some pipes and valves may be shown in paving or outside of boundary for clarity only.
2. Pressure at point of connection to water service is 35 psi operation pressure, if not, contact irrigator. Maximum demand of irrigation shall be 10 GPM.
3. All electrical valves shall be installed in plastic valve boxes with locking covers.
4. All valves shall be tagged with a waterproof tag at each valve showing valve number and controller number as shown on plans.



BACKFLOW DEVICE DETAIL

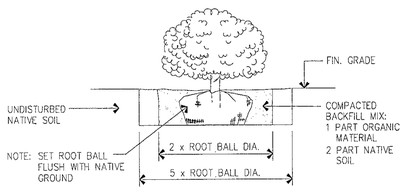
NOT TO SCALE





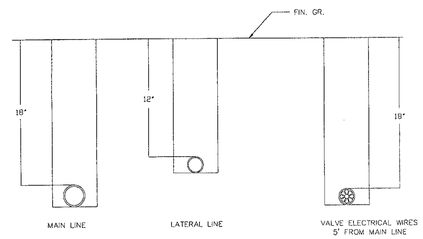
TREE PLANTING DETAIL

NOT TO SCALE



SHRUB PLANTING DETAIL

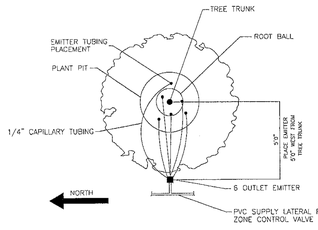
NOT TO SCALE

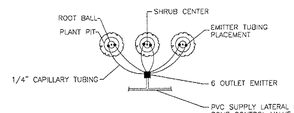


MAIN LINE, LATERAL LINE AND VALVE ELECTRICAL WIRES SHALL EACH BE INSTALLED IN SEPERATE TRENCHES.

TRENCHING STANDARD DETAIL

NOT TO SCALE

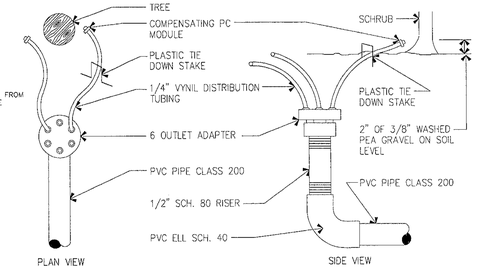




NOTE: DRIP EMITTER- RAINBIRD XBT-20-6, 6 OUTLET EMITTER, 2GPH, WITH CAPILLARY TUBING, E.O.C.V. & TUBING STAKE. INSTALL 2 EMITTERS PER SHRUB AND 6 PER TREE AND ENCLOSE IN ACCESS SLEEVE

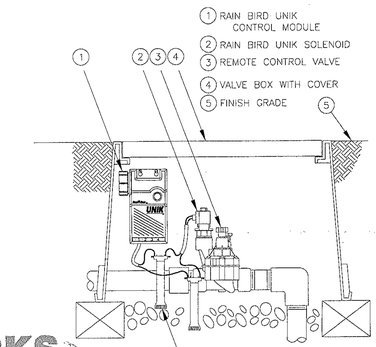
EMITTER OUTLET PLACEMENT DETAIL

NOT TO SCALE



RIP EMITTERS/CAPILLARY TUBING DETAIL

NOT TO SCALE



CONTROL VALVE UNIK SYSTEM

NOTE: IRRIGATION IS REGULATED BY THE TEXAS COMMISSION ON ENVIRONMENTAL QUALITY, P.O. BOX 13087, AUSTIN, TEXAS 78711-3087, (512) 239-6719

PARKS DEPARTMENT

APM

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REFERENCES -- BENCHMARKS

DATE	REVISIONS	BY

PROJECT NAME

MESQUITE HILLS DRIVE WALK PATH LANDSCAPING IRRIGATION DETAILS MESQUITE HILLS UNIT 2

SCALE: Horiz: 1"=30' Vert:
DATE: JAN 2008
DESIGN BY: RMJR
DRAWN BY: RMJR
CHKD. BY:
JOB NO.:

SWLDS INC.
Southwest Land Development Services, Inc.
1790 LEE TREVINO DR. STE 601
EL PASO, TEXAS 79936

SHEET TITLE

SHT LI-6 OF 6