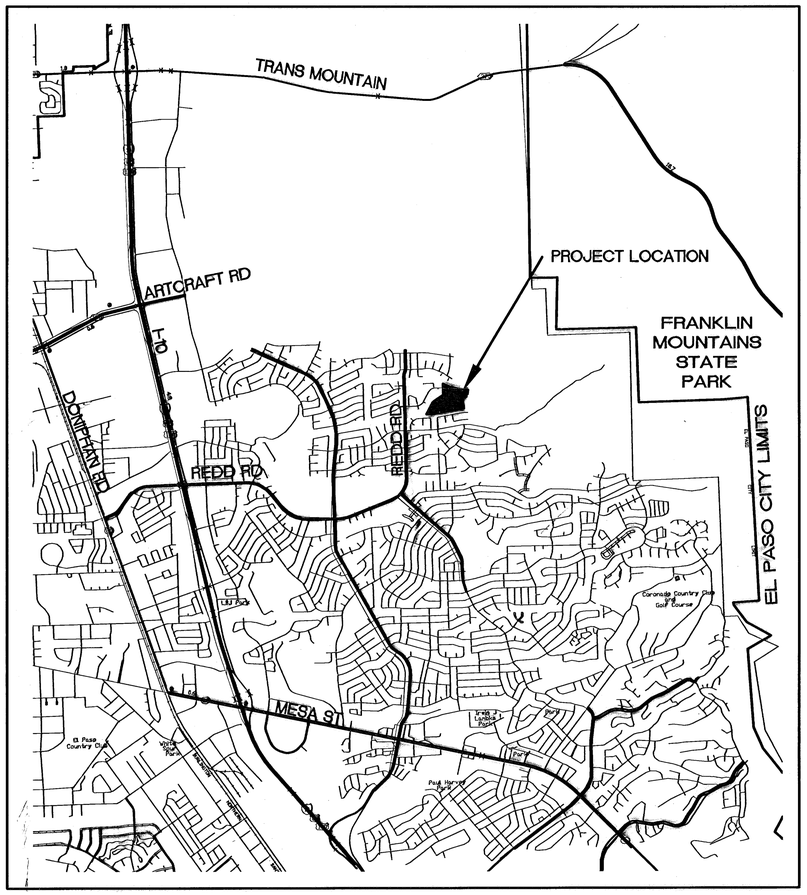
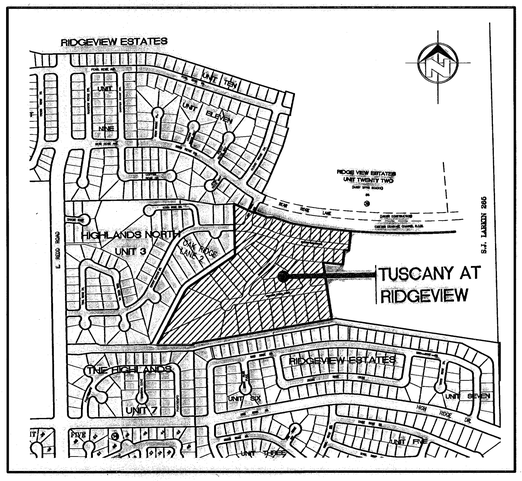
TUSCANY AT RIDGEVIEW

STREET IMPROVEMENTS



VICINITY MAP

N. T. S.



LOCATION MAP

SCALE: 1"= 600'

INDEX OF SHEETS

STATE OF TEXAS
GEORGES S. HALLOUL
92105
LICENSED
PROFESSIONAL ENGINEER
6/4/07

SLI ENGINEERING, INC.
CIVIL ENGINEERS LAND SURVEYORS LAND PLANNERS
6600 WESTWIND EL PASO, TEXAS (915) 584-4457

AS-BUILTS

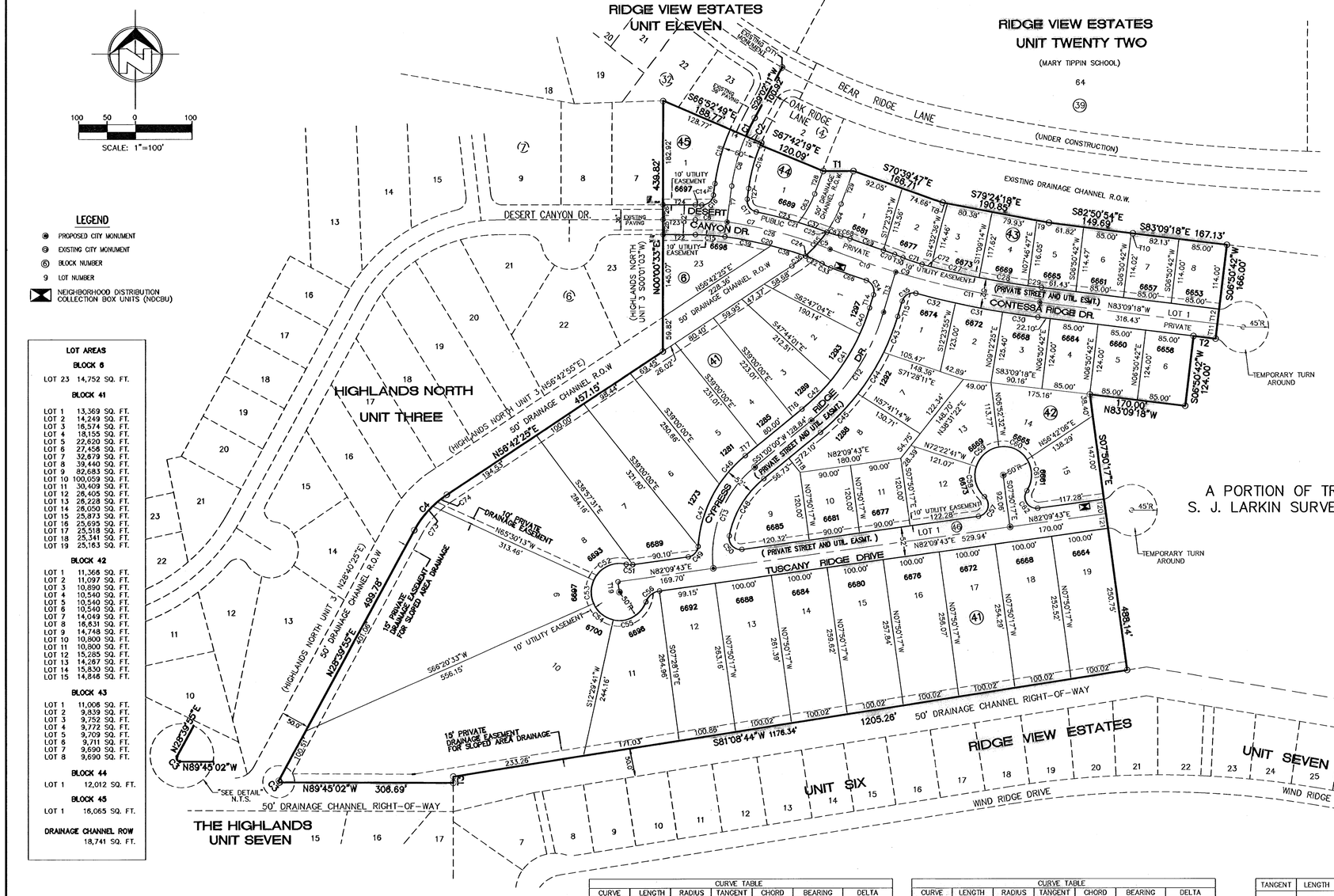
SHEET 1 OF 13

600830

F:\PROJECTS\RVE-14\AS-BUILTS\TUSC-cov.dwg 6/5/2007 1:01:48 PM MDT

TUSCANY AT RIDGEVIEW CORRECTION PLAT

A PORTION OF TRACT 1A,
S. J. LARKIN SURVEY NO. 265,
CITY OF EL PASO, EL PASO COUNTY, TEXAS
CONTAINING: 24.994 ACRES



SCALE: 1"=100'

LEGEND

- ◉ PROPOSED CITY MONUMENT
- ⊙ EXISTING CITY MONUMENT
- (6) BLOCK NUMBER
- 9 LOT NUMBER
- NEIGHBORHOOD DISTRIBUTION COLLECTION BOX UNITS (NDCBU)

LOT AREAS

BLOCK 6

LOT 23	14,752 SQ. FT.

BLOCK 41

LOT 1	13,369 SQ. FT.
LOT 2	14,249 SQ. FT.
LOT 3	16,574 SQ. FT.
LOT 4	18,155 SQ. FT.
LOT 5	22,620 SQ. FT.
LOT 6	27,456 SQ. FT.
LOT 7	32,879 SQ. FT.
LOT 8	39,440 SQ. FT.
LOT 9	82,683 SQ. FT.
LOT 10	100,059 SQ. FT.
LOT 11	30,409 SQ. FT.
LOT 12	26,405 SQ. FT.
LOT 13	28,228 SQ. FT.
LOT 14	28,050 SQ. FT.
LOT 15	25,873 SQ. FT.
LOT 16	25,695 SQ. FT.
LOT 17	25,518 SQ. FT.
LOT 18	25,341 SQ. FT.
LOT 19	25,163 SQ. FT.

BLOCK 42

LOT 1	11,368 SQ. FT.
LOT 2	11,097 SQ. FT.
LOT 3	10,890 SQ. FT.
LOT 4	10,540 SQ. FT.
LOT 5	10,540 SQ. FT.
LOT 6	10,540 SQ. FT.
LOT 7	14,049 SQ. FT.
LOT 8	16,831 SQ. FT.
LOT 9	14,748 SQ. FT.
LOT 10	10,800 SQ. FT.
LOT 11	10,800 SQ. FT.
LOT 12	15,285 SQ. FT.
LOT 13	14,267 SQ. FT.
LOT 14	15,830 SQ. FT.
LOT 15	14,846 SQ. FT.

BLOCK 43

LOT 1	11,006 SQ. FT.
LOT 2	9,839 SQ. FT.
LOT 3	9,752 SQ. FT.
LOT 4	9,772 SQ. FT.
LOT 5	9,709 SQ. FT.
LOT 6	9,711 SQ. FT.
LOT 7	9,690 SQ. FT.
LOT 8	9,690 SQ. FT.

BLOCK 44

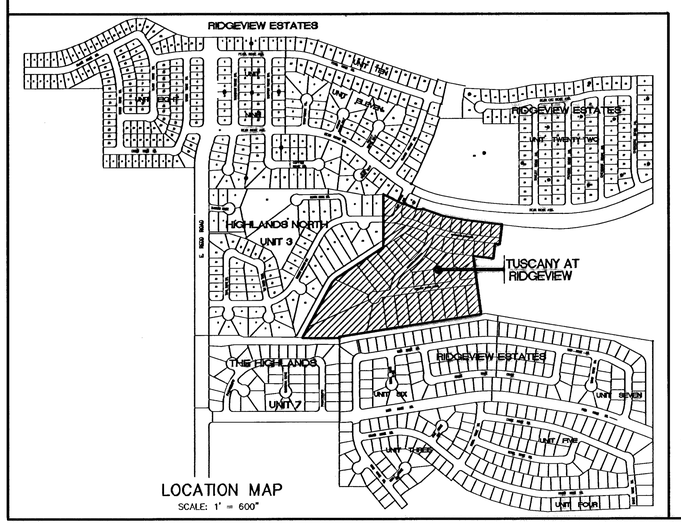
LOT 1	12,012 SQ. FT.

BLOCK 45

LOT 1	16,065 SQ. FT.

DRAINAGE CHANNEL ROW

18,741 SQ. FT.



LOCATION MAP
SCALE: 1" = 600'

CURVE TABLE						
CURVE	LENGTH	RADIUS	TANGENT	CHORD	BEARING	DELTA
C1	35.63'	345.00'	17.83'	35.61'	S26°04'41"W	05°55'00"
C2	4.54'	315.00'	2.67'	4.54'	S22°42'26"W	00°49'30"
C3	4.13'	2.00'	3.36'	3.44'	S30°32'14"E	118°24'57"
C4	85.65'	175.00'	43.70'	84.80'	S42°41'10"W	28°02'30"
C5	24.52'	800.00'	12.26'	24.52'	N69°25'00"W	01°45'23"
C6	55.83'	409.23'	27.94'	55.79'	S85°57'20"E	07°49'00"
C7	164.09'	800.00'	82.34'	163.81'	S76°10'16"E	11°45'08"
C8	91.33'	345.00'	45.93'	91.06'	N15°32'11"E	15°10'01"
C9	382.65'	1500.00'	192.37'	381.62'	S75°50'48"E	14°36'59"
C10	122.89'	1500.00'	61.48'	122.86'	S70°53'08"E	04°41'39"
C11	259.76'	1500.00'	130.21'	259.44'	S78°11'38"E	09°55'20"
C12	233.01'	390.00'	120.10'	229.56'	S33°53'01"W	34°13'58"
C13	200.40'	200.00'	109.52'	192.12'	N22°17'41"E	57°24'37"
C14	11.48'	435.23'	5.74'	11.48'	N89°06'36"W	01°30'39"
C15	52.28'	383.23'	26.18'	52.24'	S85°57'20"E	07°49'00"
C16	29.22'	20.00'	17.92'	26.69'	S49°48'00"W	82°41'39"
C17	30.23'	20.00'	18.85'	27.44'	S35°21'11"E	86°36'42"
C18	99.27'	375.00'	49.93'	98.98'	N15°32'11"E	15°10'01"
C19	78.85'	315.00'	39.63'	78.64'	N15°07'26"E	14°20'31"
C20	146.16'	774.00'	73.30'	145.94'	S76°38'15"E	10°49'09"
C21	129.31'	826.00'	64.79'	129.18'	S74°10'27"E	08°58'11"
C22	31.22'	150.00'	15.67'	31.16'	S65°10'07"E	11°55'25"
C23	76.54'	826.00'	38.30'	76.51'	N76°00'16"W	15°18'32"
C24	1.32'	774.00'	0.66'	1.32'	S71°10'45"E	00°05'51"
C25	0.57'	826.00'	0.28'	0.57'	S69°40'11"W	00°02'21"
C26	188.62'	800.00'	94.75'	188.18'	S75°17'34"E	13°30'31"
C27	87.20'	1474.00'	43.61'	87.18'	S77°09'05"E	3°23'22"
C28	86.81'	1474.00'	43.42'	86.80'	S80°32'00"E	3°22'28"
C29	24.04'	1474.00'	12.02'	24.04'	S82°41'16"E	00°56'05"
C30	62.90'	1526.00'	31.46'	84.47'	S81°58'27"E	02°21'43"
C31	84.48'	1528.00'	42.25'	84.47'	S79°12'28"E	03°10'19"
C32	71.47'	1528.00'	35.74'	71.46'	S76°16'46"E	2°41'00"
C33	17.15'	100.00'	8.60'	17.13'	N64°07'10"W	09°49'32"
C34	30.82'	20.00'	19.42'	27.86'	N27°22'57"W	88°17'58"
C35	30.82'	20.00'	19.41'	27.86'	N60°54'53"E	88°17'42"
C36	29.59'	225.00'	14.81'	29.56'	S52°56'24"W	07°32'02"
C37	52.78'	826.00'	26.40'	52.77'	N71°31'11"W	03°39'39"

CURVE TABLE						
CURVE	LENGTH	RADIUS	TANGENT	CHORD	BEARING	DELTA
C38	62.99'	774.00'	31.52'	62.98'	N73°33'35"W	04°39'49"
C39	83.16'	774.00'	41.62'	83.12'	N78°58'10"W	06°09'21"
C40	48.89'	364.00'	24.48'	48.85'	N20°36'54"E	7°41'44"
C41	97.08'	364.00'	48.82'	96.77'	N32°08'05"E	15°16'37"
C42	71.53'	364.00'	35.88'	71.42'	N45°22'12"E	11°15'36"
C43	67.87'	416.00'	34.01'	67.79'	S21°26'28"W	9°20'51"
C44	86.38'	416.00'	43.34'	86.22'	S32°03'47"W	11°53'48"
C45	94.30'	416.00'	47.35'	94.10'	S44°30'20"W	12°59'19"
C46	68.03'	226.00'	34.27'	67.77'	S42°22'37"W	17°14'46"
C47	116.88'	226.00'	59.78'	115.58'	S18°56'18"W	29°37'51"
C48	119.97'	174.00'	62.48'	117.61'	S31°14'51"W	39°30'18"
C49	27.24'	20.00'	16.21'	25.18'	N43°08'33"E	78°02'20"
C50	38.16'	20.00'	28.21'	32.63'	S43°10'18"E	109°19'59"
C51	11.54'	30.00'	5.84'	11.47'	S86°49'09"E	22°02'17"
C52	69.55'	50.00'	41.74'	64.08'	S64°20'54"W	79°42'13"
C53	42.02'	50.00'	22.34'	40.80'	S00°25'10"W	48°09'14"
C54	48.99'	50.00'	25.39'	45.28'	S50°34'53"E	53°50'52"
C55	71.65'	50.00'	43.54'	65.67'	N61°26'42"E	82°05'58"
C56	32.34'	30.00'	17.94'	30.80'	N51°16'43"E	61°45'59"
C57	45.78'	20.00'	44.03'	36.42'	N16°35'27"E	131°08'32"
C58	58.12'	50.00'	32.85'	54.90'	S15°40'45"E	66°36'09"
C59	54.97'	50.00'	30.64'	52.25'	N49°07'08"E	62°59'37"
C60	57.67'	50.00'	32.52'	54.53'	S66°20'29"E	66°05'10"
C61	58.12'	50.00'	32.85'	54.90'	S00°00'11"W	66°36'09"
C62	45.78'	20.00'	44.03'	36.42'	N32°16'01"W	131°08'32"
C63	58.08'	175.00'	29.31'	57.82'	N30°09'20"E	19°01'00"
C64	55.62'	225.00'	27.95'	55.47'	S27°43'42"W	14°09'44"
C65	56.41'	225.00'	28.35'	56.26'	N41°59'29"E	14°21'50"
C66	66.75'	1530.00'	33.38'	66.75'	N70°16'56"W	02°29'59"
C67	25.38'	150.00'	12.72'	25.35'	N74°29'48"W	09°41'37"
C68	17.08'	100.00'	8.56'	17.05'	N74°27'03"W	09°47'07"
C69	62.54'	1470.00'	31.27'	62.53'	S70°46'37"E	02°26'15"
C70	20.96'	300.00'	10.48'	20.95'	N69°59'40"W	04°00'08"
C71	35.73'	300.00'	17.89'	35.71'	S71°24'19"E	06°49'26"
C72	16.45'	1474.00'	8.23'	16.45'	S75°08'13"E	00°38'22"
C73	53.07'	175.00'	26.74'	52.87'	N37°21'13"E	17°22'35"
C74	32.58'	175.00'	16.34'	32.53'	S51°22'28"E	10°39'55"

TANGENT	LENGTH	BEARING
T1	53.42'	S89°54'36"E
T2	39.33'	S83°09'18"E
T3	11.04'	S00°03'24"W
T4	30.00'	S66°52'49"E
T5	30.00'	S66°52'49"E
T6	20.86'	N07°57'10"E
T7	63.53'	N07°57'10"E
T8	8.73'	S79°24'18"E
T9	21.81'	S79°24'18"E
T10	2.87'	N82°50'54"W
T11	26.00'	N06°50'42"E
T12	26.00'	N06°50'42"E
T13	73.35'	N16°46'02"E
T14	24.03'	S16°46'02"W
T15	28.04'	N16°46'02"E
T16	20.84'	N51°00'00"E
T17	28.00'	N51°00'00"E
T18	31.87'	N39°00'00"W
T19	18.16'	S07°50'17"E
T20	26.00'	S07°50'17"E
T21	26.00'	S07°50'17"E
T22	57.16'	S89°51'50"E
T23	57.22'	S89°51'50"E
T24	57.28'	S89°51'50"E
T25	26.00'	S00°00'33"W
T26	26.00'	S00°00'33"W
T27	19.01'	N07°57'10"E
T28	42.83'	N20°38'50"W
T29	81.56'	S20°38'50"W
T30	15.95'	N67°59'36"W

DEDICATION

THE STATE OF TEXAS
COUNTY OF EL PASO

ACRO DEVELOPERS II LIMITED PARTNERSHIP, OWNER OF THIS LAND, HEREBY PRESENT THIS MAP AND DEDICATES TO THE USE OF THE PUBLIC THE STREET RIGHT-OF-WAY, DRAINAGE RIGHT-OF-WAY AND UTILITY EASEMENTS AS HEREON LAID DOWN AND DESIGNATED, INCLUDING OVERHEAD EASEMENTS AS SHOWN ON THE PLAT AND EASEMENTS FOR BURIED SERVICE WIRES, CONDUITS AND PIPES FOR UNDERGROUND UTILITIES AND THE RIGHT TO INGRESS AND EGRESS FOR SERVICE AND CONSTRUCTION AND THE RIGHT TO TRIM INTERFERING TREES AND SHRUBS.

ACRO DEVELOPERS II LIMITED PARTNERSHIP

BY: _____
DAN J. O'LEARY, PRESIDENT
T & D DEVELOPERS, INC., GENERAL PARTNER

ACKNOWLEDGMENT

THE STATE OF TEXAS
COUNTY OF EL PASO

THIS INSTRUMENT WAS ACKNOWLEDGED BEFORE ME ON _____, BY DAN J. O'LEARY, AS PRESIDENT OF T & D DEVELOPERS, INC. GENERAL PARTNER OF ACRO DEVELOPERS II LIMITED PARTNERSHIP, ON BEHALF OF THE SAME.

_____
NOTARY PUBLIC, STATE OF TEXAS
MY COMMISSION EXPIRES _____

CITY PLAN COMMISSION

THIS SUBDIVISION IS HEREBY APPROVED AS TO THE PLATTING AND AS TO THE CONDITIONS OF THE DEDICATION IN ACCORDANCE WITH CHAPTER 212 OF THE LOCAL GOVERNMENT CODE OF TEXAS THIS _____ DAY OF _____, 2005 A.D..

_____ EXECUTIVE SECRETARY

_____ CHAIRPERSON

APPROVED FOR FILING THIS _____ DAY OF _____, 2005, A.D..

_____ DEPUTY DIRECTOR FOR ENGINEERING

FILED AND RECORDED IN THE OFFICE OF THE COUNTY CLERK OF EL PASO COUNTY, TEXAS, THIS _____ DAY OF _____, 2005, A.D., IN VOLUME _____ OF THE PLAT RECORD, PAGE _____, FILE NO. _____.

_____ COUNTY CLERK

_____ BY DEPUTY

IMPROVEMENT PLANS PREPARED BY AND UNDER THE SUPERVISION OF GUILLERMO LICON, P.E.

SUBDIVISION PLAT PREPARED BY AND UNDER THE SUPERVISION OF GUILLERMO LICON, R.P.L.S.

GUILLERMO LICON, P.E.
PROFESSIONAL ENGINEER
TEXAS LICENSE NO. 25896

GUILLERMO LICON, R.P.L.S.
REGISTERED PROFESSIONAL LAND SURVEYOR
TEXAS LICENSE NO. 2998

"RESTRICTIVE COVENANTS FOR THIS SUBDIVISION ARE FILED IN THE OFFICE OF THE COUNTY CLERK, DEED AND RECORD SECTION, INSTRUMENT NO._____, BOOK_____, PAGE_____, DATE_____."

REVISED DATE: 10/10/05

STATE OF TEXAS
GEORGES S. HALOUL
92105
LICENSED
PROFESSIONAL
ENGINEER
6.9.07

AS-BUILT

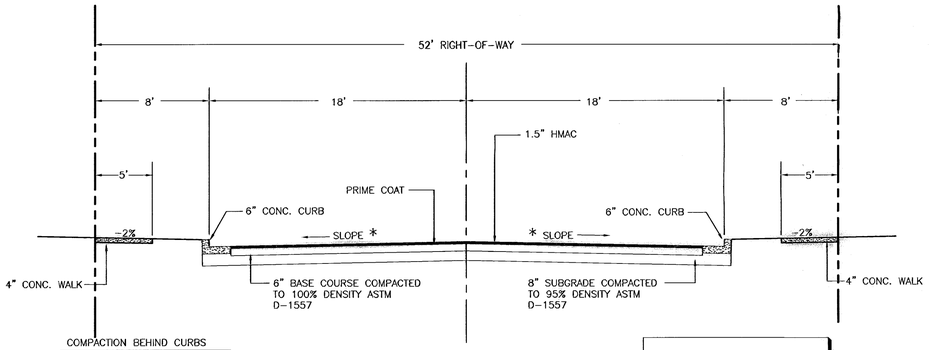
SLI ENGINEERING, INC.
CIVIL ENGINEERS – LAND SURVEYORS
LAND PLANNERS – CONSTRUCTION MANAGEMENT
6600 WESTWIND DR. – EL PASO, TEXAS – 79912 – (915) 584-4457

600830

F:\PROJECTS\RVE-14\REV1-FINALS\TUSC-plat-CORR.dwg 1/9/2006 10:06:15 AM MST

NOTES : (APPLICABLE TO ALL STREETS)

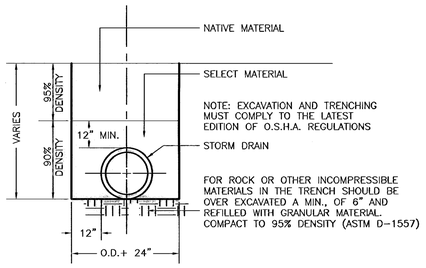
1. BASE TO BE COMPACTED TO 100% DENSITY (ASTM D-1557).
2. SUBGRADE TO BE COMPACTED TO 95% DENSITY (ASTM D-1557).
3. PRIME COAT SHALL CONSIST OF CATIONIC ASPHALT EMULSION SLOW SETTING TYPE, GRADE CSS-1H, APPLIED AT THE RATE OF 0.20 TO 0.30 GALLONS PER SQUARE YARD.
4. SUBGRADE UNDER CURB MUST BE FORMED AND COMPACTED AS SHOWN OR EXCESS CUT MUST BE BACKFILLED WITH CONCRETE.
5. STRICT VERTICAL CONTROL OF ALL CURB AND GUTTER ELEV- WILL BE MAINTAINED THROUGHOUT.
6. COMPACTION TESTS, WHERE REQUIRED BY THE CITY ENGINEER, MUST BE PAID BY THE DEVELOPER. THIS INCLUDES BUT IS NOT LIMITED TO BASE AND SUBGRADE.
7. H.M.A.C. SHALL CONFORM TO ITEM K3305 (PLANT MIX BITUMINOUS PAVEMENTS), GRADE "C", OF THE CITY OF EL PASO TECHNICAL SPECIFICATIONS.
8. FLEXIBLE BASE COURSE SHALL CONFORM TO ITEM 247 (CRUSHED AGGREGATE BASE COURSE), TYPE A, GRADE 3, TXDOT
9. CBR TESTS ARE REQUIRED EVERY 500 FT. OR AS DETERMINED BY THE CITY ENGINEER.
10. ALL ELEVATIONS ON PLANS ARE BASED ON CITY DATUM AND ALL PLANS MUST BE IN ACCORDANCE WITH THE LATEST EDITION OF THE CITY OF EL PASO SUBDIVISION DESIGN AND IMPROVEMENT STANDARDS OR NEW SPECIFICATIONS.



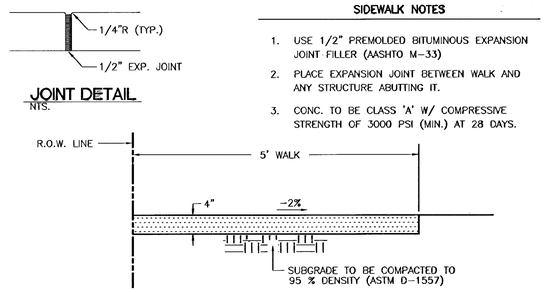
COMPACTION BEHIND CURBS
1. ONE FOOT MIN. ON CUTS
2. TWO FEET MIN. ON FILL

TYPICAL STREET SECTION
SCALE 1"=5'

* REFER TO PLAN AND PROFILE FOR STREET SLOPES.



TRENCH SECTION: STORM DRAIN
NTS



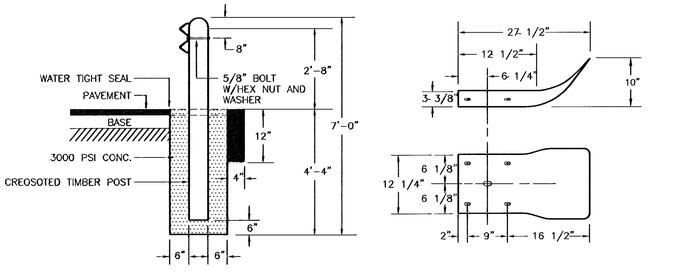
JOINT DETAIL
NTS.

SIDEWALK SECTION
NTS

SIDEWALK NOTES
1. USE 1/2" PREMOLDED BITUMINOUS EXPANSION JOINT FILLER (AASHTO M-33)
2. PLACE EXPANSION JOINT BETWEEN WALK AND ANY STRUCTURE ABUTTING IT.
3. CONC. TO BE CLASS 'A' W/ COMPRESSIVE STRENGTH OF 3000 PSI (MIN.) AT 28 DAYS.

* NOTE:
SIDEWALK TO BE CONSTRUCTED BY HOME BUILDER

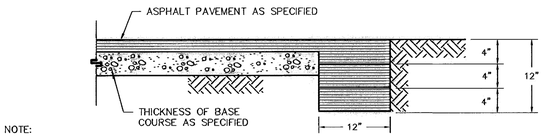
SIDEWALK DETAILS



MOUNTING DETAIL
NTS

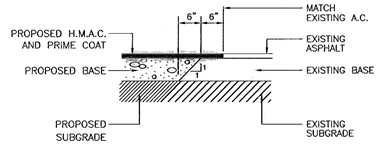
END SECTION
NTS

GUARDRAIL DETAILS



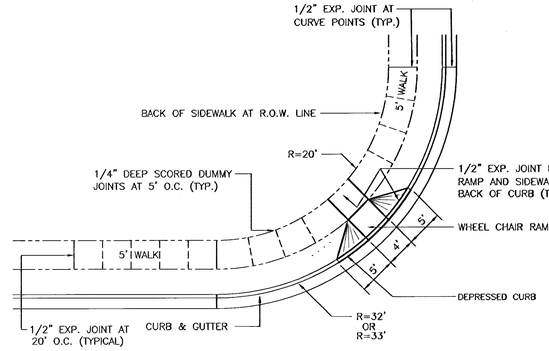
NOTE:
TERMINUS MUST BE CONSTRUCTED IN 4" LIFTS FINAL LIFT MUST BE PLACED WITH FINAL PAVEMENT COURSE

TERMINUS OF STREET
SCALE 1"=1'



ASPHALT PAVEMENT JUNCTURE
NTS

WHEEL CHAIR RAMP NOTES
1. CONCRETE TO BE CLASS 'A' W/ COMPRESSIVE STRENGTH OF 3000 PSI (MIN.) AT 28 DAYS AND RAMP SURFACE SHALL HAVE A ROUGH NON-SKID TYPE FINISH. (PER LATEST EDITION OF ADA REGULATIONS).
2. CONSTRUCTION METHODS SHALL CONFORM WITH THE CITY OF EL PASO STANDARD SPECIFICATIONS.

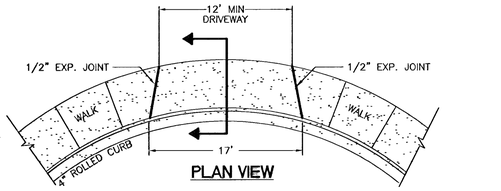


PLAN VIEW
SCALE 1"=10'

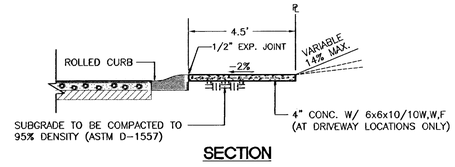
* NOTE:
TO BE CONSTRUCTED BY HOME BUILDER

WHEELCHAIR RAMP SECTION
SCALE 1"=2'

WHEELCHAIR RAMP DETAILS



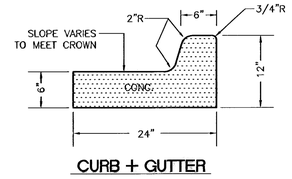
PLAN VIEW



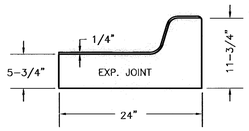
SECTION

CUL-DE-SAC DRIVEWAY DETAILS
NTS

* NOTE:
TO BE CONSTRUCTED BY HOME BUILDER

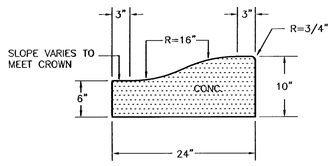


CURB + GUTTER

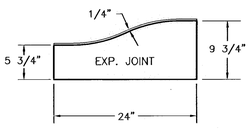


EXPANSION JOINT

CURB AND GUTTER DETAILS
SCALE 1"=1'



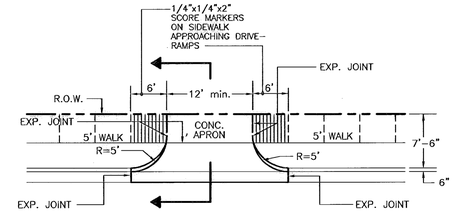
ROLLED CURB AND GUTTER



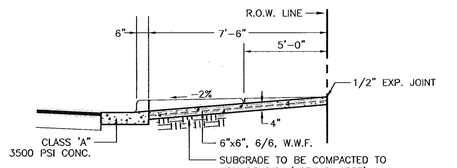
EXPANSION JOINT

ROLLED CURB DETAILS
NTS (AT CUL-DE-SACS ONLY)

GENERAL NOTES FOR ROLLED CURB AND CURB & GUTTER
1. PROVIDE 1/2" PREMOLDED ASPHALT IMPREGNATED EXPANSION JOINT AT ALL CURVE POINTS AND WHERE THE NEW CURB WILL ABUT ANY EXISTING CURB. EXPANSION JOINT IS REQUIRED BETWEEN BACK OF CURB AND ANY STRUCTURE ABUTTING DIRECTLY AGAINST IT AND SHALL BE PLACED IN ACCORDANCE WITH STANDARD SPECIFICATIONS.
2. TRIM EXPANSION JOINT MATERIAL 1/4" LESS THAN THE NEAT CURB AND GUTTER DIMENSION.
3. SUBGRADE UNDER CURB MUST BE FORMED AND COMPACTED. (95% ASTM D-1557)
4. CONCRETE SHALL BE CLASS 'A', AND HAVE A COMPRESSIVE STRENGTH OF 3000 PSI (MIN) AT 28 DAYS. (MACHINE LAID CURB AND GUTTER)
5. EXPANSION JOINTS FOR CURBS ARE TO BE PROVIDED AT CHANGES OF DIRECTIONS, AT ALL CURB RETURNS, AND WHERE CURB ABUTS OTHER MASONRY STRUCTURES.
6. ONE-INCH MINIMUM SCORED CONSTRUCTION JOINTS ARE TO BE PROVIDED EVERY 10 FEET FOR CURB AND GUTTER, AND EVERY 5 FEET FOR SIDEWALKS.
7. REJECTED DEFECTIVE CURB MUST BE REPLACED IN 10.0 LONG SECTIONS, MINIMUM.



PLAN VIEW
SCALE 1"=10'

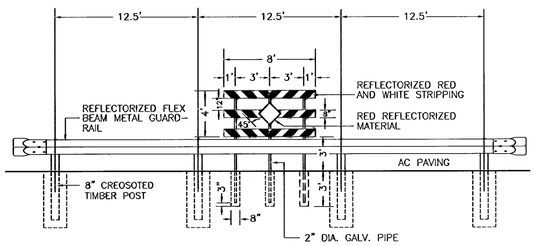


* NOTE:
DRIVEWAY TO BE CONSTRUCTED BY HOME BUILDER

MAXIMUM SLOPES
10% FROM CURB TO SIDEWALK
2% SIDEWALK
14% FROM SIDEWALK TO BUILDING

DRIVEWAY SECTION
SCALE 1"=3'

DRIVEWAY DETAILS



GUARDPOSTS WITH RAIL AND DEAD END SIGN
NTS

STATE OF TEXAS
GEORGES S. HALLOUL
92105
LICENSED PROFESSIONAL ENGINEER
8.9.07

DATE	REVISION DESCRIPTION	BY

SCALE: AS NOTED
JOB No. 09-04-2170
FIELD BOOK ——
DESIGNED BY: ET
COMP. BY: ET
DRAWN BY: ET
CHECKED BY: ET
DATE: 08/02/05

TUSCANY AT RIDGEVIEW
EL PASO, EL PASO COUNTY, TEXAS
TYPICAL SECTIONS
AS-BUILT

SLI ENGINEERING, INC.
CIVIL ENGINEERS * LAND SURVEYORS * LAND PLANNERS
6600 WESTWIND DR. - EL PASO, TEXAS - 79912 - (915) 584-4457

SHEET 3 OF 13

600830

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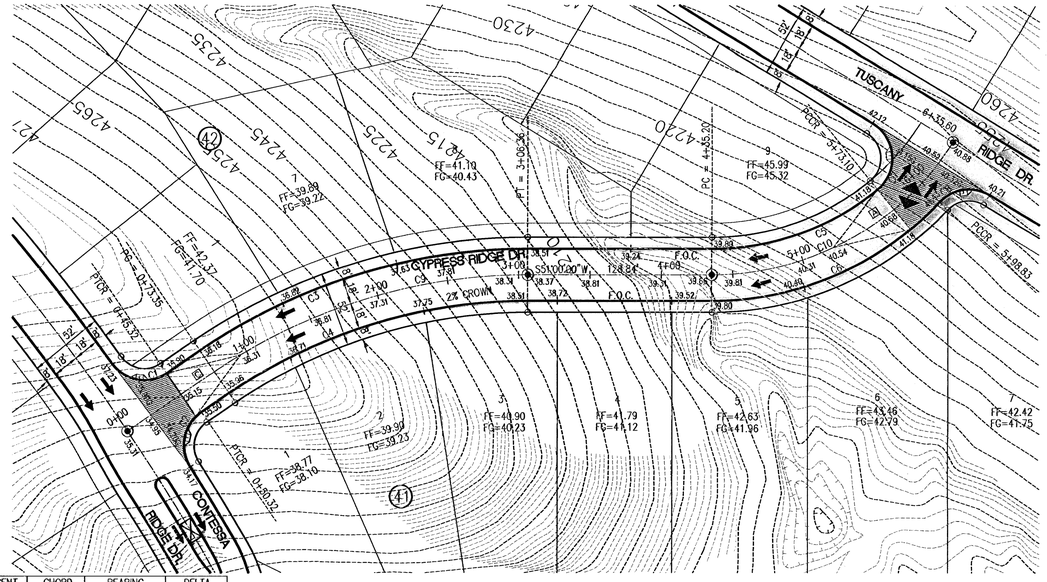
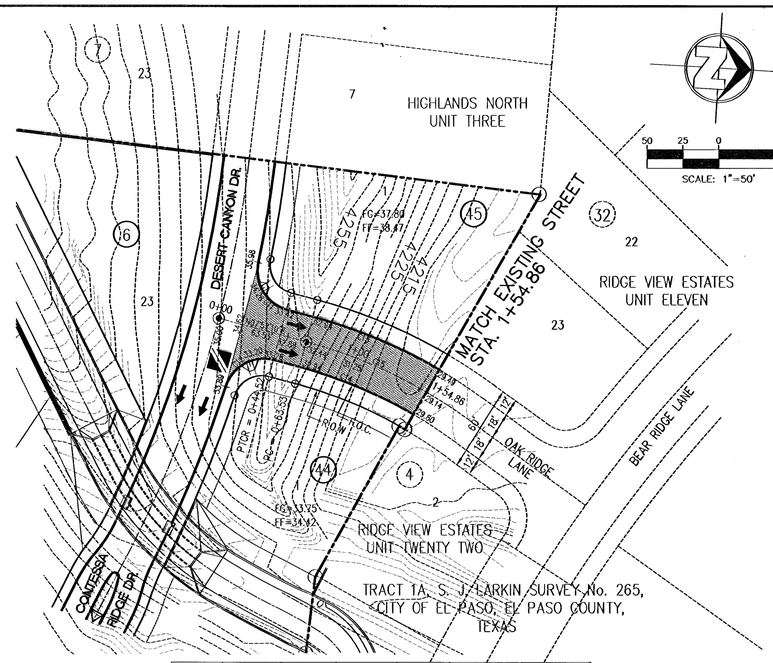
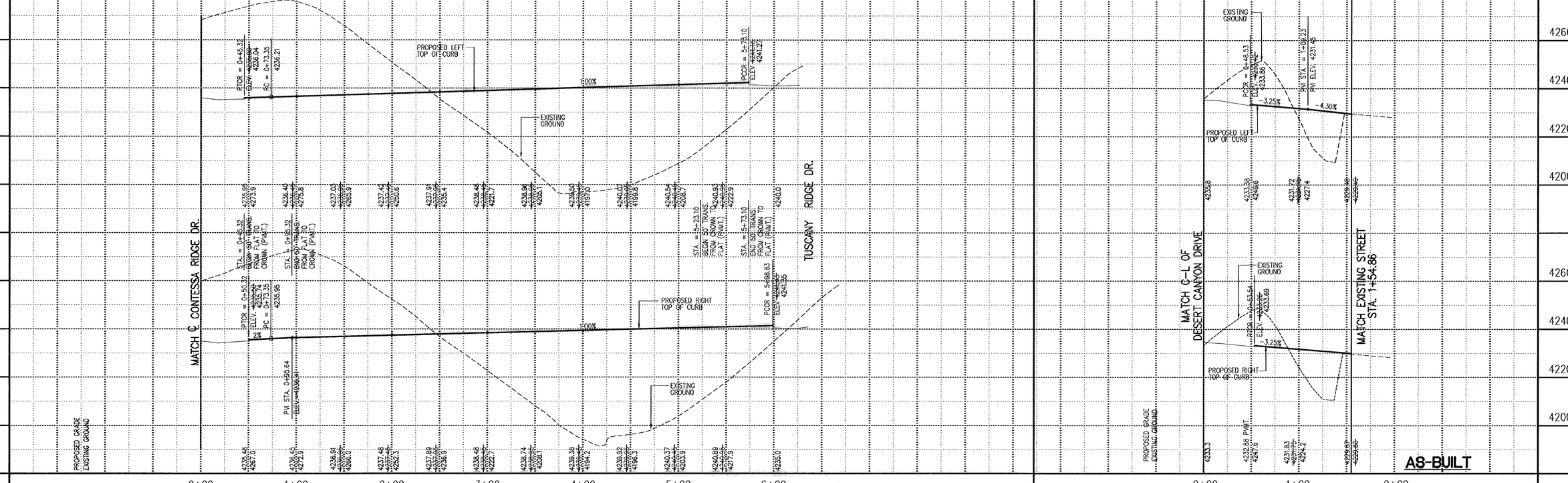


CURVE	RADIUS	LENGTH	TANGENT	CHORD	BEARING	DELTA
C1	28.00'	43.15'	27.18'	39.00'	S60°54'53"W	88°17'42"
C2	28.00'	43.15'	27.18'	39.00'	S27°22'59"E	88°18'02"
C3	408.00'	243.77'	125.64'	240.16'	S33°53'01"W	34°13'58"
C4	372.00'	222.26'	114.56	218.97'	S33°53'01"W	34°13'58"
C5	182.00'	125.49'	65.35'	123.02'	S31°14'51"W	39°30'18"
C6	218.00'	178.36'	94.51'	173.43'	S27°33'41"W	46°52'37"
C7	28.00'	53.43'	39.50'	45.68'	S43°10'18"E	109°19'59"
C8	28.00'	38.14'	22.69'	35.26'	S43°08'33"W	78°02'20"
C9	390.00'	233.01'	120.10'	229.56'	S33°53'01"W	34°13'58"
C10	200.00'	200.40'	109.52'	192.12'	S22°17'41"W	57°24'37"

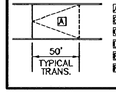


CURVE	RADIUS	LENGTH	TANGENT	CHORD	BEARING	DELTA
C11	28.00'	42.46'	26.52'	38.51'	N51°23'40"E	86°52'59"
C12	28.00'	42.46'	26.52'	38.51'	S35°29'20"E	86°52'59"
C13	363.00'	96.09'	48.33'	95.81'	S15°32'11"W	15°10'01"
C14	327.00'	86.56'	43.54'	86.31'	S15°32'11"W	15°10'01"
C15	345.00'	91.33'	45.93'	91.06'	S15°32'11"W	15°10'01"



PLAN

PAVEMENT TRANSITIONS



- A = TRANSITION FROM CROWN TO FLAT
- B = TRANSITION FROM CROWN TO INVERT CROWN
- C = TRANSITION FROM FLAT TO CROWN
- D = TRANSITION FROM FLAT TO INVERT CROWN
- E = TRANSITION FROM INVERT TO CROWN
- F = TRANSITION FROM INVERT TO FLAT

L E G E N D

- R.O.W. = RIGHT-OF-WAY
- = PROPOSED CITY MONUMENT
- = PROPOSED WATER FLOW
- = FLAT AREA
- F.O.C. = FACE OF CURB
- = HIGH POINT ON STREET
- = LOW POINT ON STREET

PROFILE

- = EXISTING GROUND PROFILE
- = PROPOSED FINISHED GRADE PROFILE

NOTES

1. ALL STREET HAS A 2% CROWN SECTION UNLESS OTHERWISE INDICATED.
2. ALL CURB IS 6" STANDARD CURB AND GUTTER UNLESS OTHERWISE INDICATED.
3. REFER TO SHEET 3 OF 13 FOR TYPICAL STREET SECTIONS AND DETAILS.

BENCHMARK

EXISTING CITY MONUMENT AT CENTERLINE INTERSECTION OF MAJESTIC RIDGE DR. AND EAGLE RIDGE DR. ELEVATION 4213.08 (CITY DATUM)

STATE OF TEXAS — GEORGES S. HALLOUL — 92109 — LICENSED PROFESSIONAL ENGINEER — 8-1-07

SCALE

HOR. 1"= 50'

VER. 1"= 20'

DATE	REVISION DESCRIPTION	BY

SCALE: AS NOTED
JOB NO. 09-04-2170
FIELD BOOK
DESIGNED BY: ET
COMP. BY: ET
DRAWN BY: FC
CHECKED BY:
DATE: 08/02/05

TUSCANY AT RIDGE VIEW
EL PASO, EL PASO COUNTY, TEXAS
CYPRESS RIDGE DR. AND OAK RIDGE LANE

SLI ENGINEERING, INC.
CIVIL ENGINEERS • LAND SURVEYORS • LAND PLANNERS
6600 WESTWIND DR. – EL PASO, TEXAS – 79912 – (915) 584-4457

SHEET 4 OF 13

600830

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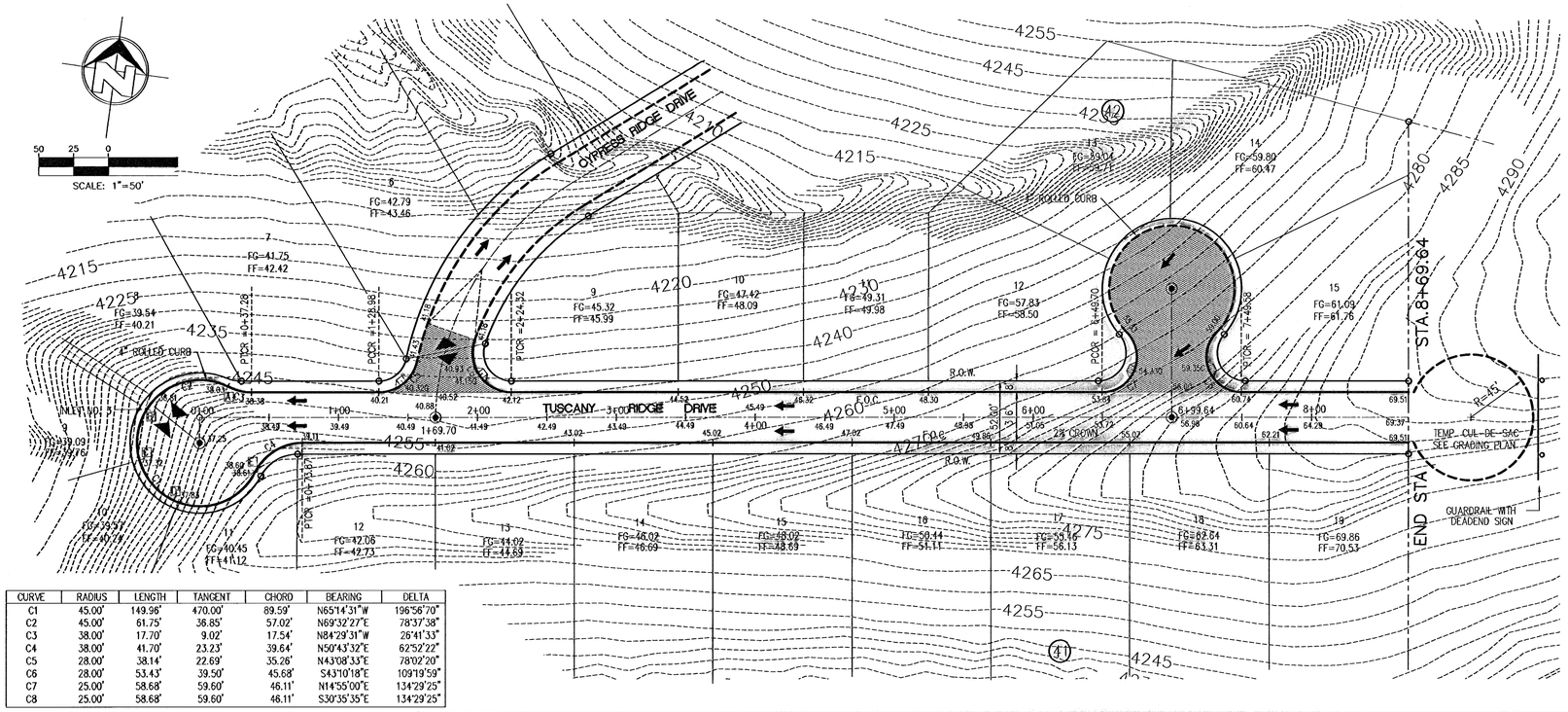
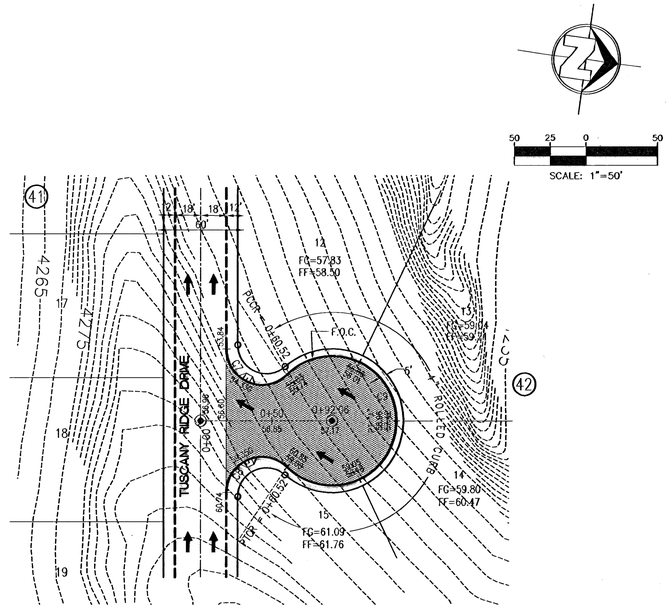
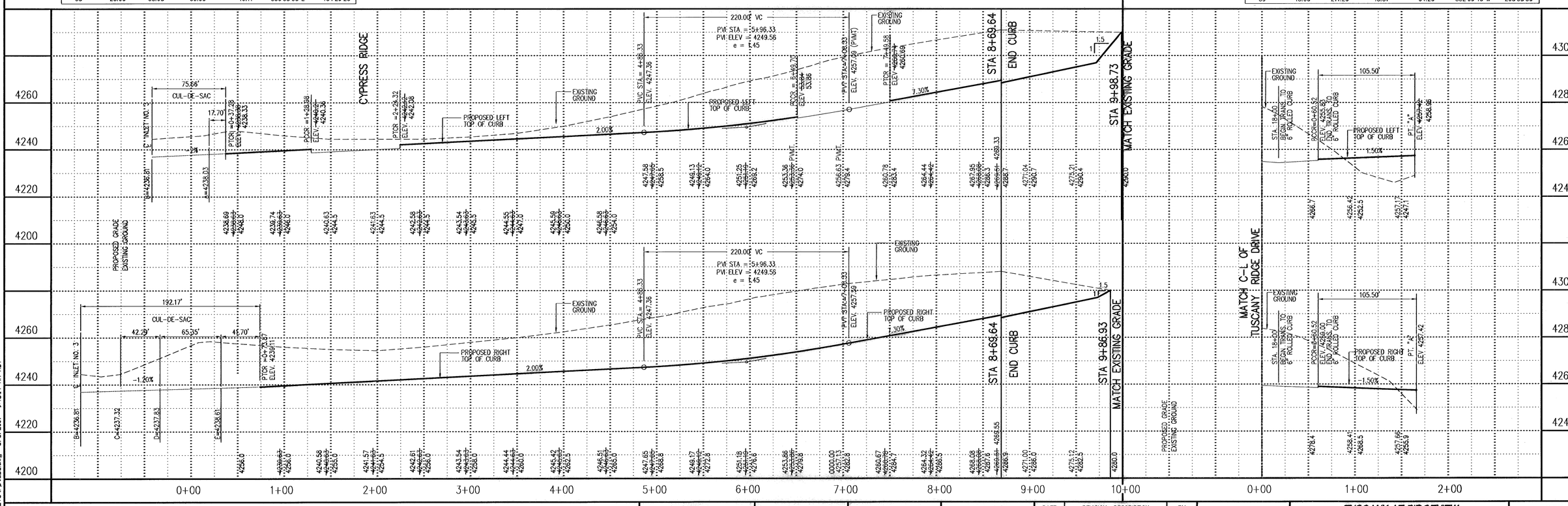


CURVE	RADIUS	LENGTH	TANGENT	CHORD	BEARING	DELTA
C1	45.00'	149.96'	470.00'	89.59'	N65°14'31"W	196°56'70"
C2	45.00'	61.75'	36.85'	57.02'	N69°32'27"E	78°37'38"
C3	38.00'	17.70'	9.02'	17.54'	N84°29'31"W	26°41'33"
C4	38.00'	41.70'	23.23'	39.64'	N50°43'32"E	62°52'22"
C5	28.00'	38.14'	22.69'	35.26'	N43°08'33"E	78°02'20"
C6	28.00'	53.43'	39.50'	45.68'	S43°10'18"E	109°19'59"
C7	25.00'	58.68'	59.60'	46.11'	N14°55'00"E	134°29'25"
C8	25.00'	58.68'	59.60'	46.11'	S30°35'35"E	134°29'25"



CURVE	RADIUS	LENGTH	TANGENT	CHORD	BEARING	DELTA
C7	25.00'	58.68'	59.60'	46.11'	N14°55'00"E	134°29'25"
C8	25.00'	58.68'	59.60'	46.11'	S30°35'35"E	134°29'25"
C9	45.00	211.26	45.81'	64.20'	S82°09'43"W	268°58'50"



PLAN

PAVEMENT TRANSITIONS

[A] = TRANSITION FROM CROWN TO FLAT
[B] = TRANSITION FROM CROWN TO INVERT CROWN
[C] = TRANSITION FROM FLAT TO CROWN
[D] = TRANSITION FROM FLAT TO INVERT CROWN
[E] = TRANSITION FROM INVERT TO CROWN
[F] = TRANSITION FROM INVERT TO FLAT

50' TYPICAL TRANS.

LEGEND

R.O.W. = RIGHT-OF-WAY
= PROPOSED CITY MONUMENT
= PROPOSED WATER FLOW
= FLAT AREA
F.O.C. = FACE OF CURB
= HIGH POINT ON STREET
= LOW POINT ON STREET

PROFILE

= EXISTING GROUND PROFILE
= PROPOSED FINISHED GRADE PROFILE

NOTES

1. ALL STREET HAS A 2% CROWN SECTION UNLESS OTHERWISE INDICATED.
2. ALL CURB IS 6" STANDARD CURB AND GUTTER UNLESS OTHERWISE INDICATED.
3. REFER TO SHEET 3 OF 13 FOR TYPICAL STREET SECTIONS AND DETAILS.

BENCHMARK:

EXISTING CITY MONUMENT AT CENTERLINE INTERSECTION OF MAJESTIC RIDGE DR. AND EAGLE RIDGE DR.
ELEVATION = 4213.08
(CITY DATUM)

STATE OF TEXAS
GEORGES S. HALLOUM
92105
LICENSED PROFESSIONAL ENGINEER
6-8-07

SCALE

HOR. 1"= 50'
VER. 1"= 20'

DATE	REVISION DESCRIPTION	BY

SCALE: AS NOTED
JOB NO. 09-04-2170
FIELD BOOK
DESIGNED BY: ET
COMP. BY: ET
DRAWN BY: FC
CHECKED BY: ET
DATE: 08/02/05

TUSCANY AT RIDGEVIEW
EL PASO, EL PASO COUNTY, TEXAS
TUSCANY RIDGE DRIVE
AS-BUILT

SLI ENGINEERING, INC.
CIVIL ENGINEERS * LAND SURVEYORS * LAND PLANNERS
6600 WESTWIND DR. – EL PASO, TEXAS – 79912 – (915) 584-4457

SHEET 5 OF 13

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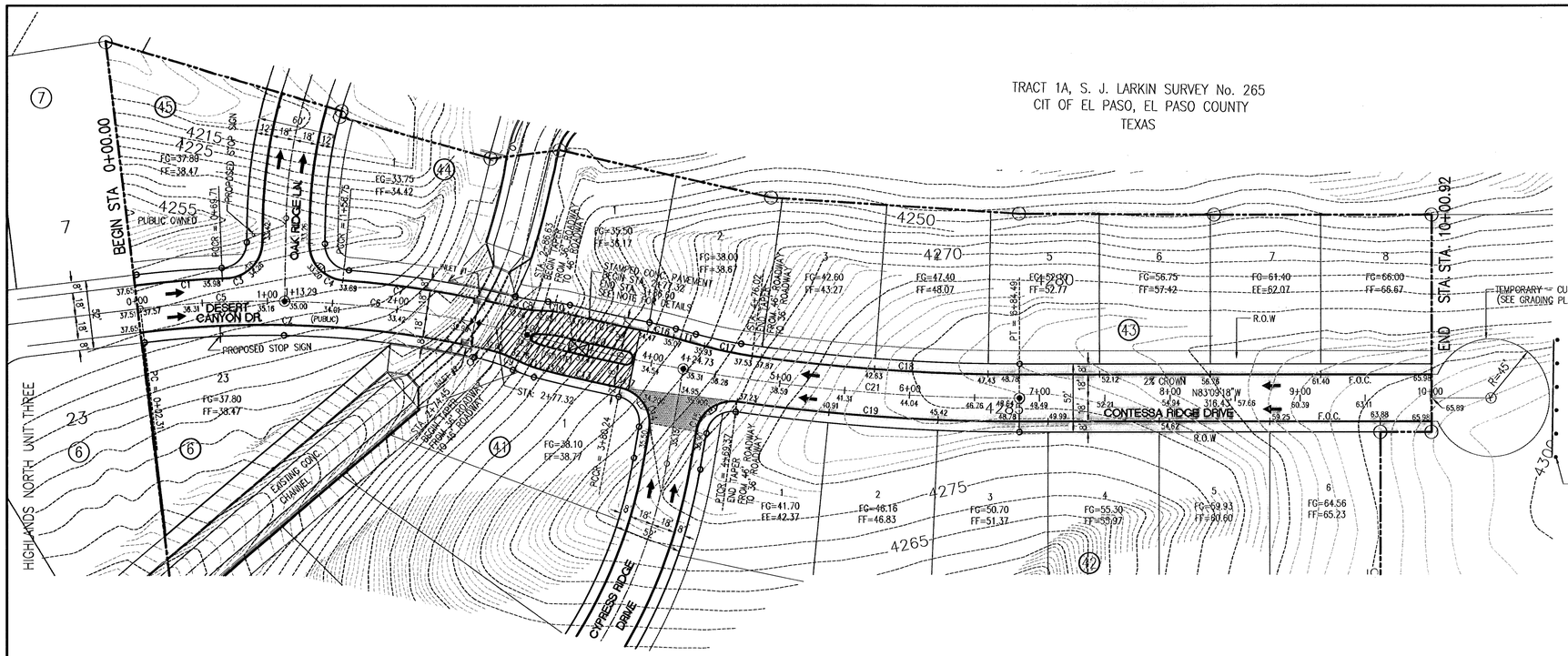
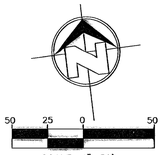
TRACT 1A, S. J. LARKIN SURVEY No. 265
CIT OF EL PASO, EL PASO COUNTY
TEXAS

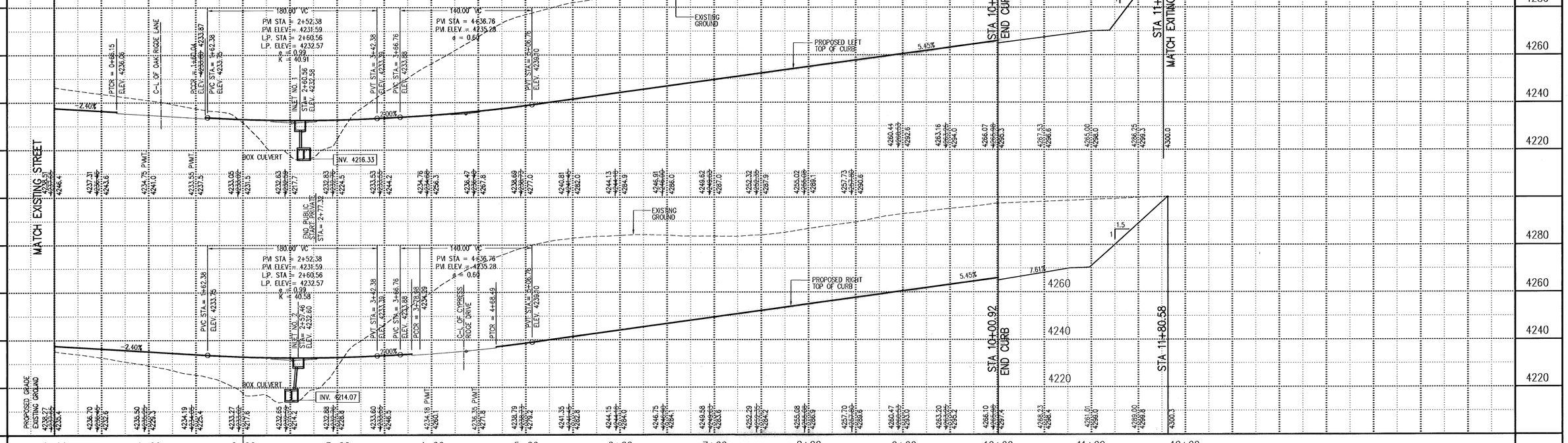




CURVE TABLE						
CURVE	LENGTH	RADIUS	TANGENT	CHORD	BEARING	DELTA
C1	68.91	818.00	34.48	68.89	N87°34'39"W	4°49'36"
C2	266.01	782.00	134.30	264.73	N80°14'45"W	19°29'25"
C3	42.46	28.00	26.52	38.51	N51°23'40"E	86°52'59"
C4	42.46	28.00	26.52	38.51	S35°29'20"E	86°52'59"
C5	110.91	800.00	55.55	110.83	N86°01'08"W	7°56'37"
C6	188.62	800.00	94.75	188.18	N75°17'34"W	13°30'31"
C7	132.80	818.00	66.55	132.66	N74°16'46"W	9°18'07"
C8	21.84	100.00	10.96	21.80	S75°53'08"E	12°30'51"
C9	25.03	100.00	12.58	24.96	N83°19'50"W	14°20'25"
C10	20.43	93.00	10.25	20.39	N75°51'01"W	12°35'04"
C11	21.26	93.00	10.68	21.22	S62°42'38"E	13°06'02"
C12	62.83	1477.00	31.42	62.83	S70°46'37"E	2°26'15"
C13	60.40	1523.00	30.21	60.40	S70°23'49"E	2°16'21"
C14	43.15	28.00	27.18	39.01	N27°22'59"W	88°18'02"
C15	43.15	28.00	27.18	39.00	S60°54'53"W	88°17'42"
C16	20.47	293.00	10.24	20.46	N69°59'40"W	4°00'08"
C17	37.69	300.00	18.87	37.67	S71°35'33"E	7°11'54"
C18	205.97	1482.00	103.15	205.81	S79°10'24"E	7°57'47"
C19	217.71	1518.00	109.04	217.52	S79°02'47"E	8°13'02"
C20	132.54	1500.00	66.31	132.50	S71°04'12"E	5°03'46"
C21	250.11	1500.00	125.35	249.82	S78°22'41"E	9°33'13"

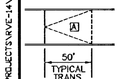
LINE TABLE		
LINE	LENGTH	BEARING
T1	24.57'	S67°59'36"E

STAMPED CONCRETE NOTE:
8" THICK CONCRETE WITH #5 BARS AT 12 IN. E.W. CONCRETE PATTERN AND COLOR TO BE DETERMINED BY DEVELOPER.



PLAN

PAVEMENT TRANSITIONS



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L E G E N D

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NOTES

1. ALL STREET HAS A 2% CROWN SECTION UNLESS OTHERWISE INDICATED.
2. ALL CURB IS 6" STANDARD CURB AND GUTTER UNLESS OTHERWISE INDICATED.
3. REFER TO SHEET 3 OF 13 FOR TYPICAL STREET SECTIONS AND DETAILS.

BENCHMARK:

EXISTING CITY MONUMENT AT CENTERLINE INTERSECTION OF MAJESTIC RIDGE DR. AND EAGLE RIDGE DR.
ELEVATION = 4213.08
(CITY DATUM)

STATE OF TEXAS
GEORGES S. HAKIM
98710
LICENSED PROFESSIONAL ENGINEER
6-9-07

SCALE

HOR. 1"= 50'
VER. 1"= 20'

DATE	REVISION DESCRIPTION	BY

SCALE: AS NOTED
JOB NO. 09-04-2170
FIELD BOOK
DESIGNED BY: ET
COMP. BY: ET
DRAWN BY: FC
CHECKED BY: ET
DATE: 08/17/05

TUSCANY AT RIDGE VIEW
EL PASO, EL PASO COUNTY, TEXAS
CONTESSA RIDGE DRIVE
AS-BUILT

SLI ENGINEERING, INC.
CIVIL ENGINEERS * LAND SURVEYORS * LAND PLANNERS
6600 WESTWIND DR. - EL PASO, TEXAS - 79912 - (915) 584-4457

SHEET 6 OF 13

600830

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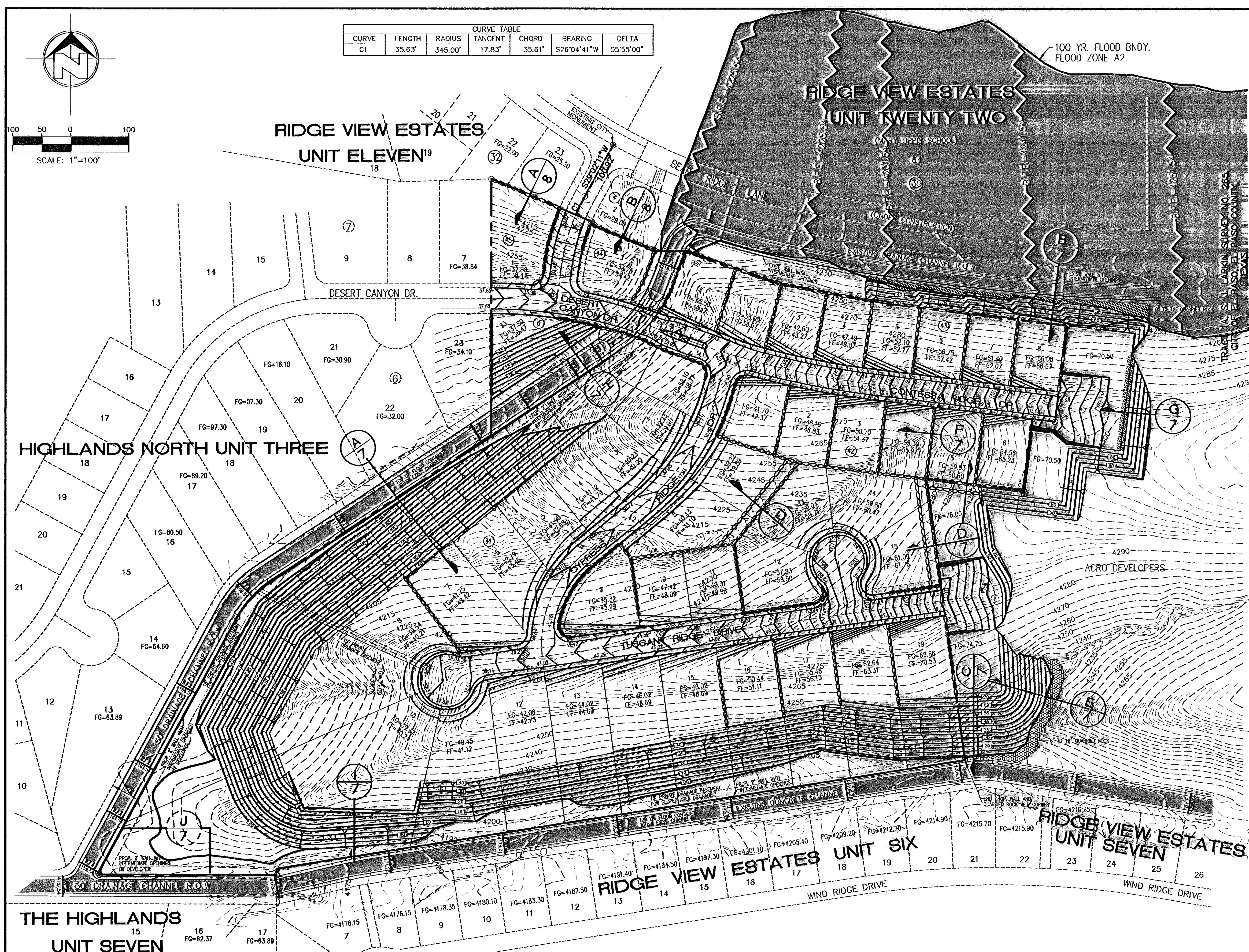
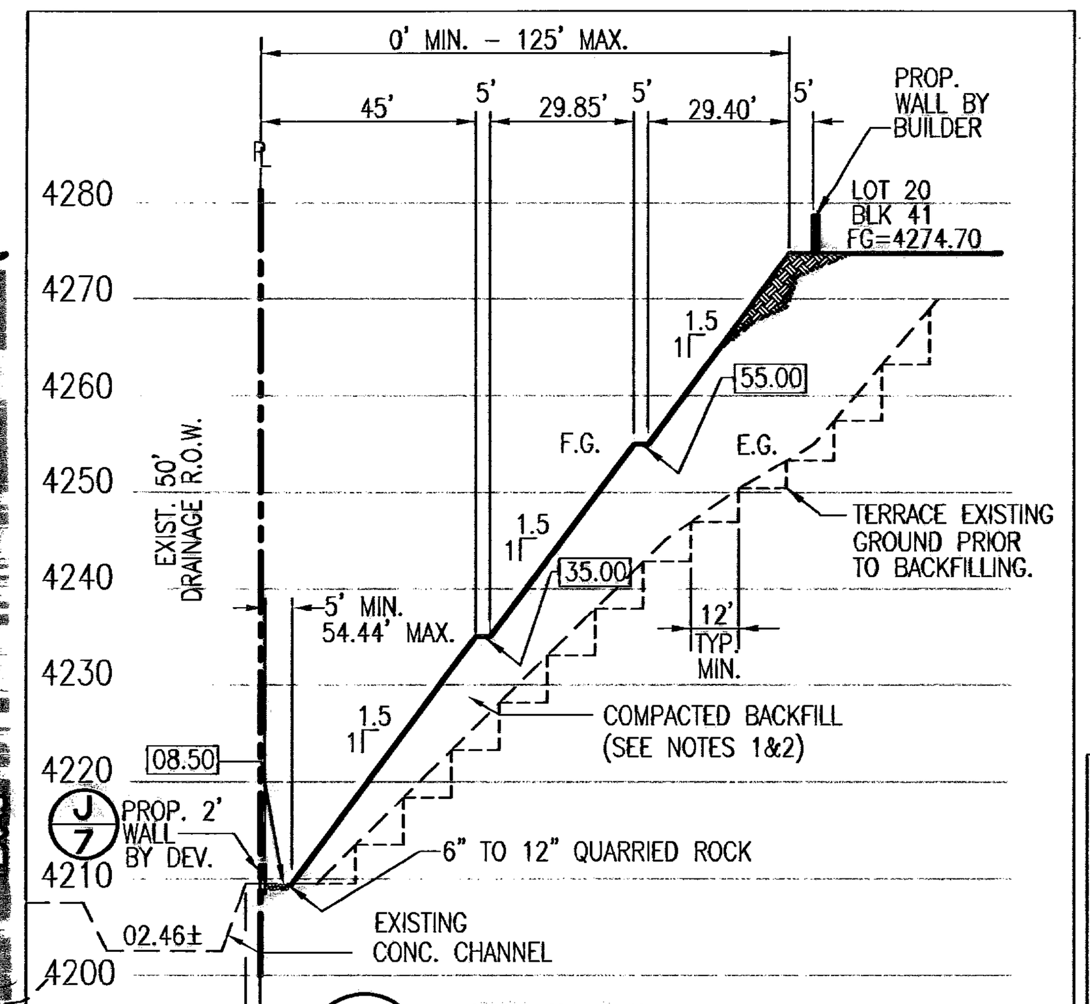
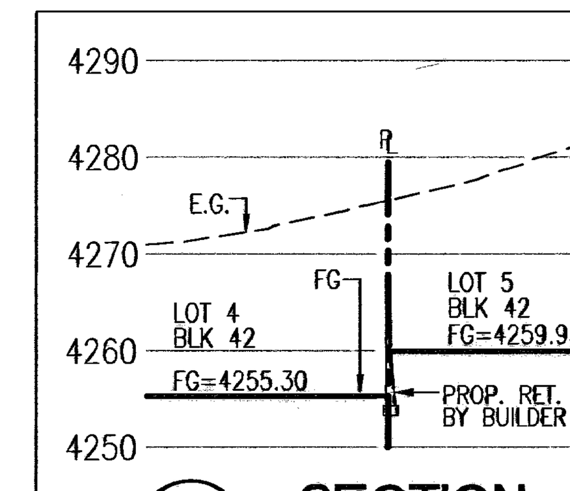
CURVE TABLE						
CURVE	LENGTH	RADIUS	TANGENT	CHORD	BEARING	DELTA
C1	35.63'	345.00'	17.83'	35.61'	S26°04'41"W	05°55'00"

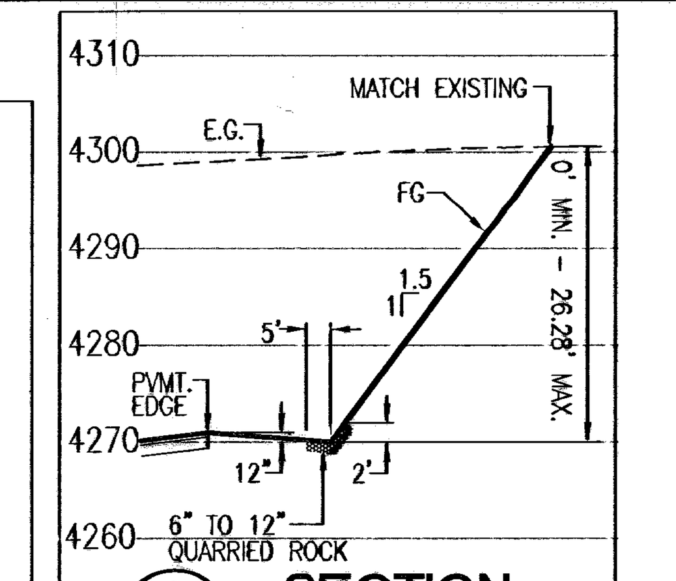




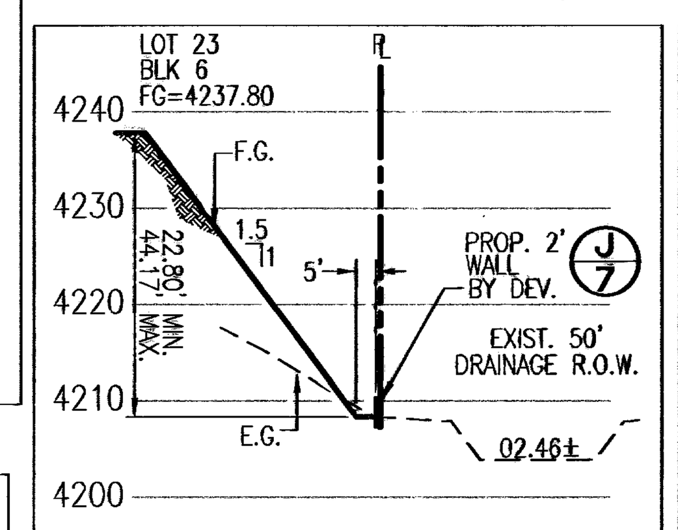
C/7 SECTION
SCALE HOR. 1"=40'
SCALE VERT. 1"=20'



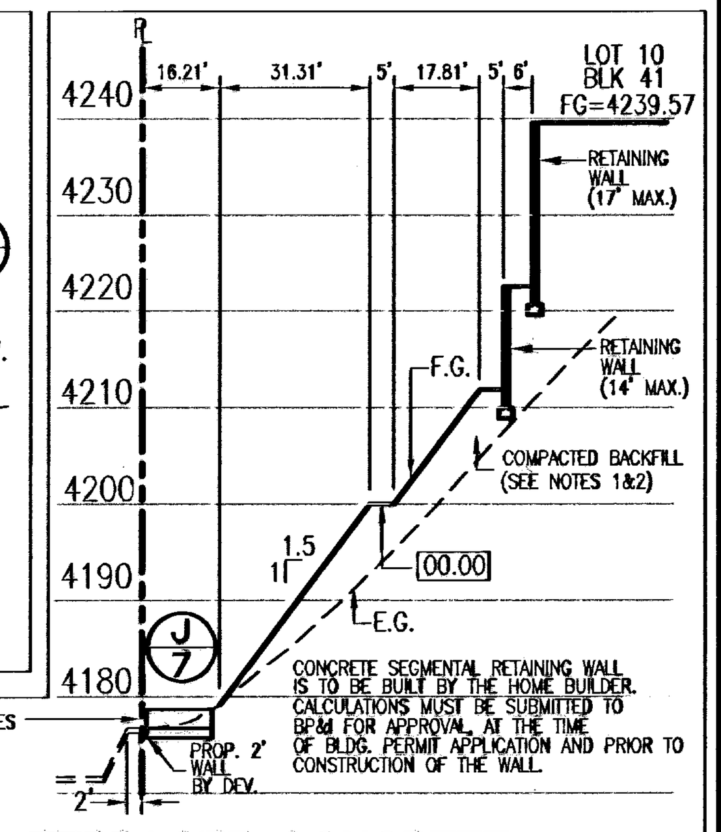
F/7 SECTION
SCALE HOR. 1"=40'
SCALE VERT. 1"=20'



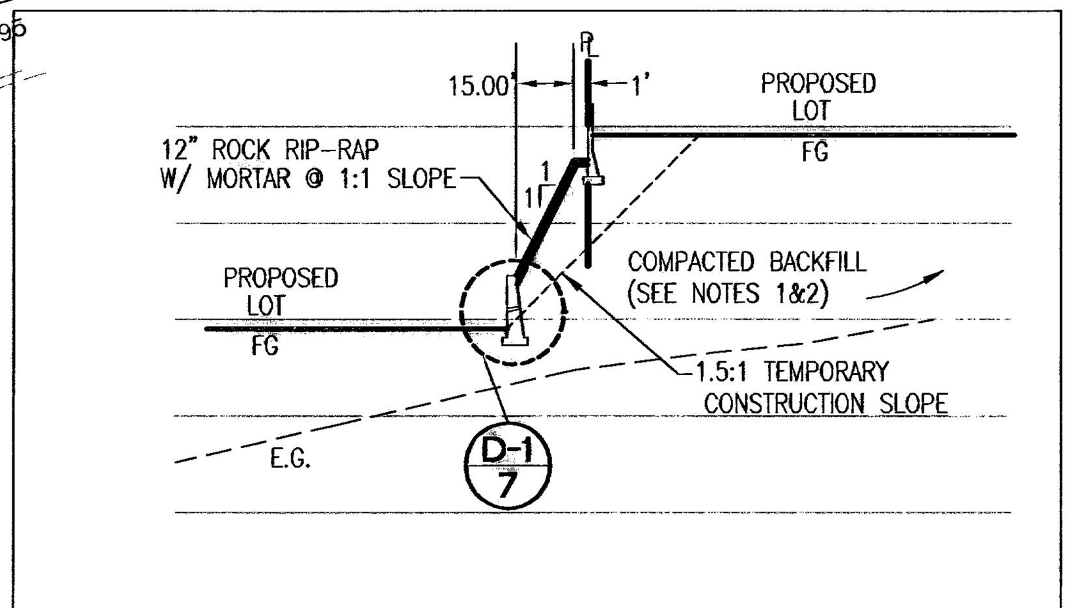
G/7 SECTION
SCALE HOR. 1"=40'
SCALE VERT. 1"=20'



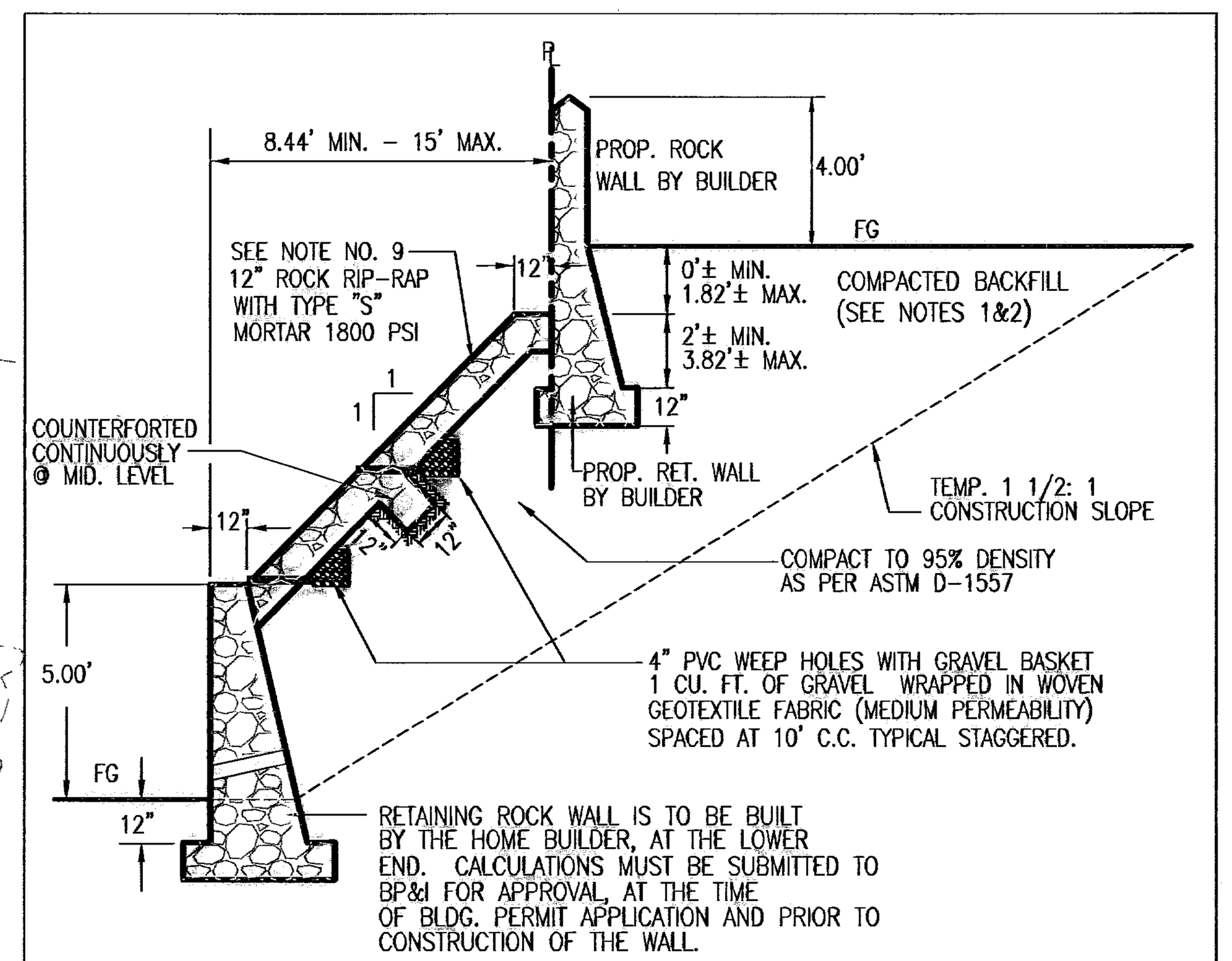
H/7 SECTION
SCALE HOR. 1"=40'
SCALE VERT. 1"=20'



I/7 TERRACED CONCRETE SEGMENTAL RETAINING WALL
SCALE HOR. 1"=40'
SCALE VERT. 1"=20'



D/7 TYPICAL SECTION
SCALE HOR. 1"=40'
SCALE VERT. 1"=20'



D-1/7 DETAIL
SCALE: 1"=5'

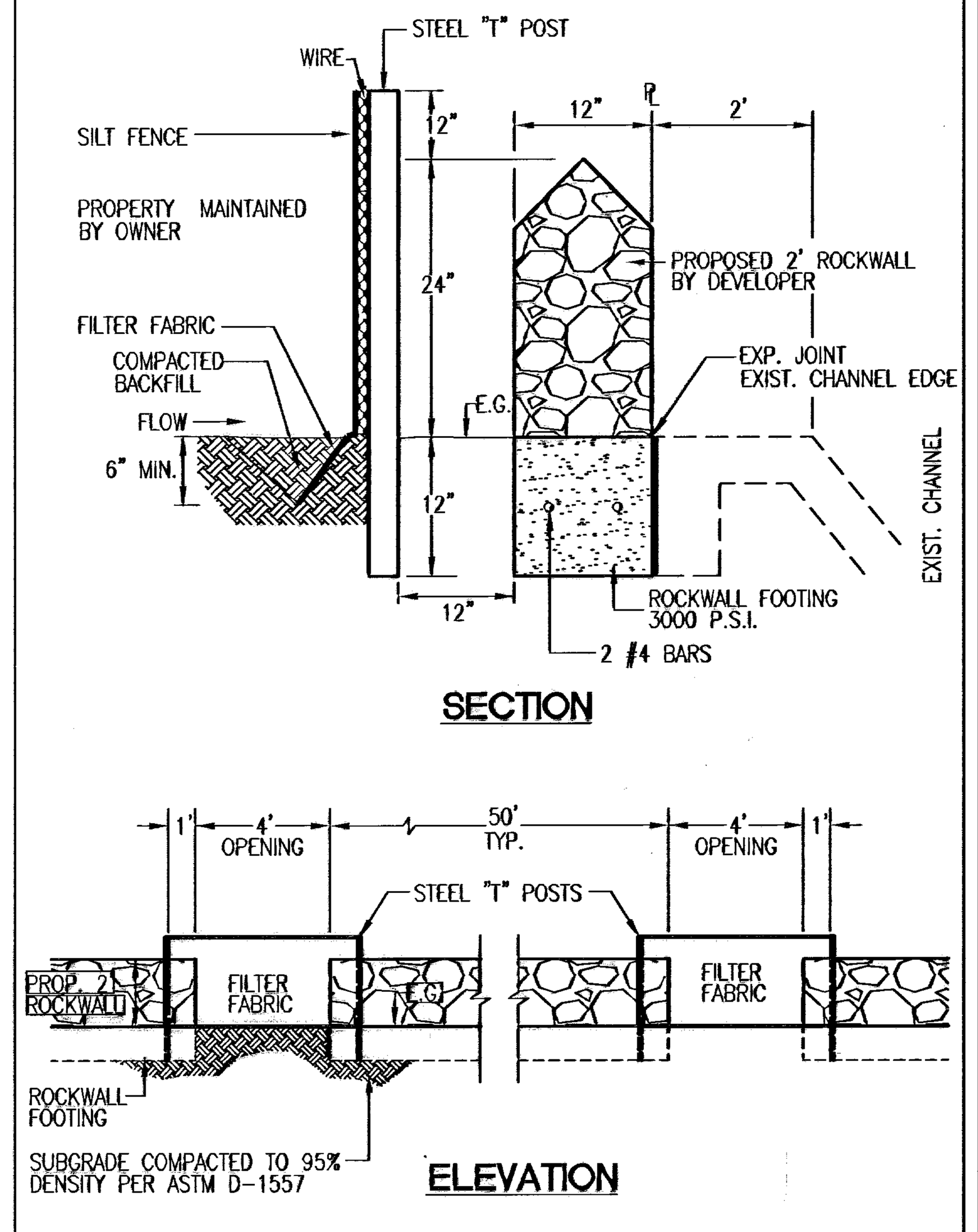
ROCKWALL NOTES:

STONE FOR ROCK WALLS SHALL BE AS NEARLY UNIFORM IN SECTION AS IS PRACTICABLE. THE STONE SHALL BE DENSE AND RESISTANT TO THE ACTION OF AIR AND WATER. STONE SHALL BE THOROUGHLY SOAKED BEFORE BEING PLACED. (NO RIVER ROCK IS ALLOWED FOR ROCK WALLS)

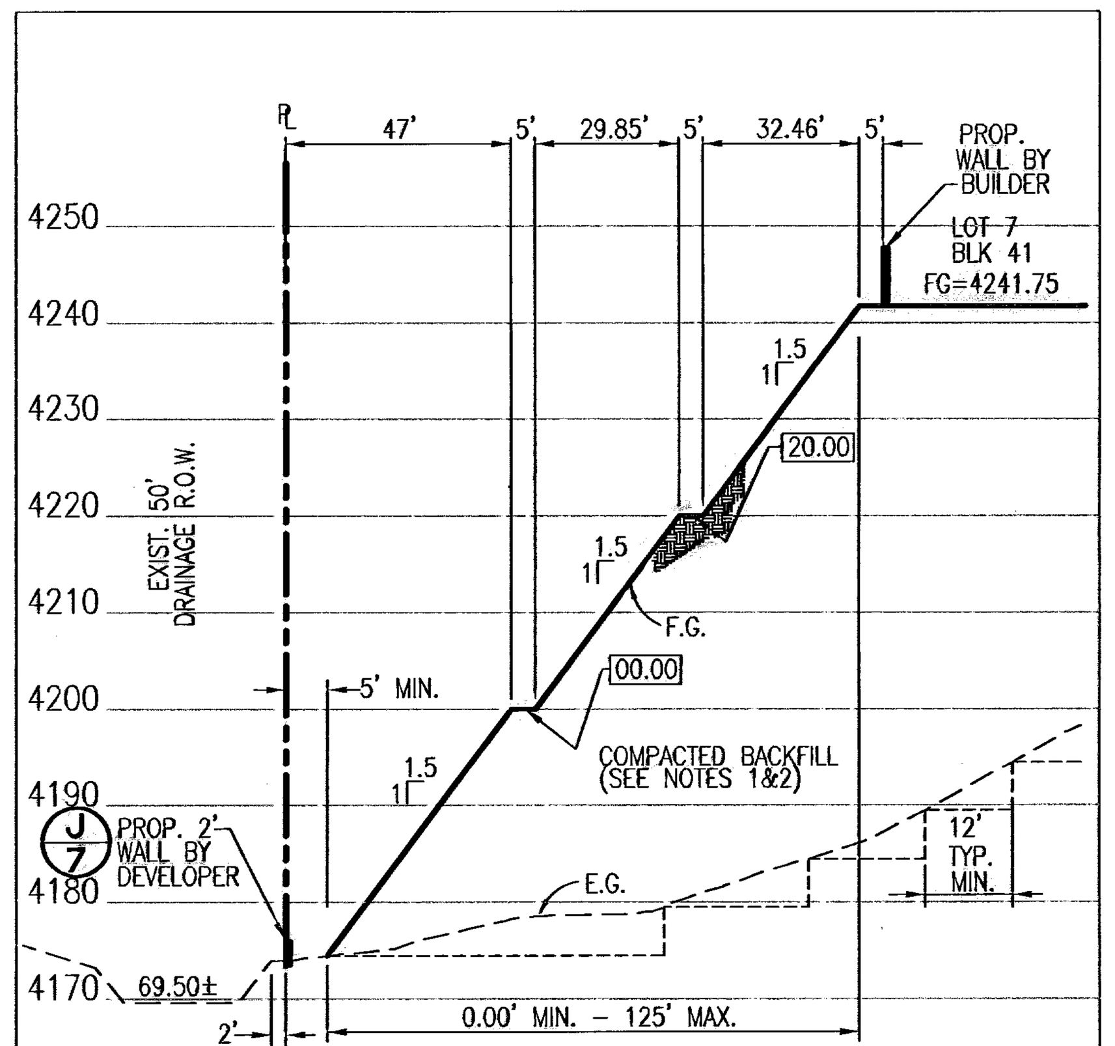
MORTAR FOR ROCK WALL SHALL BE A.S.T.M. TYPE "S"; USE ONE PART PORTLAND CEMENT, 1/4 TO 1/2 PARTS HYDRATED LIME AND 3 PARTS SAND (2 1/4 TO 3 TIMES THE SUM OF THE VOLUMES OF CEMENT AND LIME COMBINED) SEE CITY BUILDING CODE, PP. 14-3 AND 14-4.

FILL ALL VOIDS WITH SMALLER STONE OR MORTAR. JOINTS IN WALL SHALL NOT EXCEED 1"

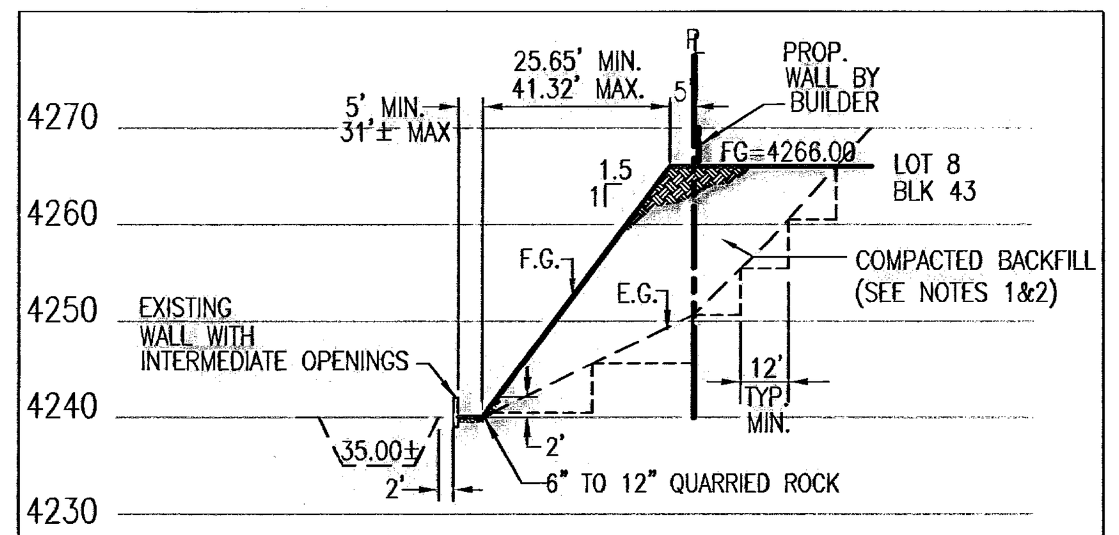
THE BACKFILL SHALL BE SIMILAR TO THE EXISTING SOIL AND SHALL BE WELL COMPACTED AND FREE DRAINING (COARSE GRAIN TYPE)



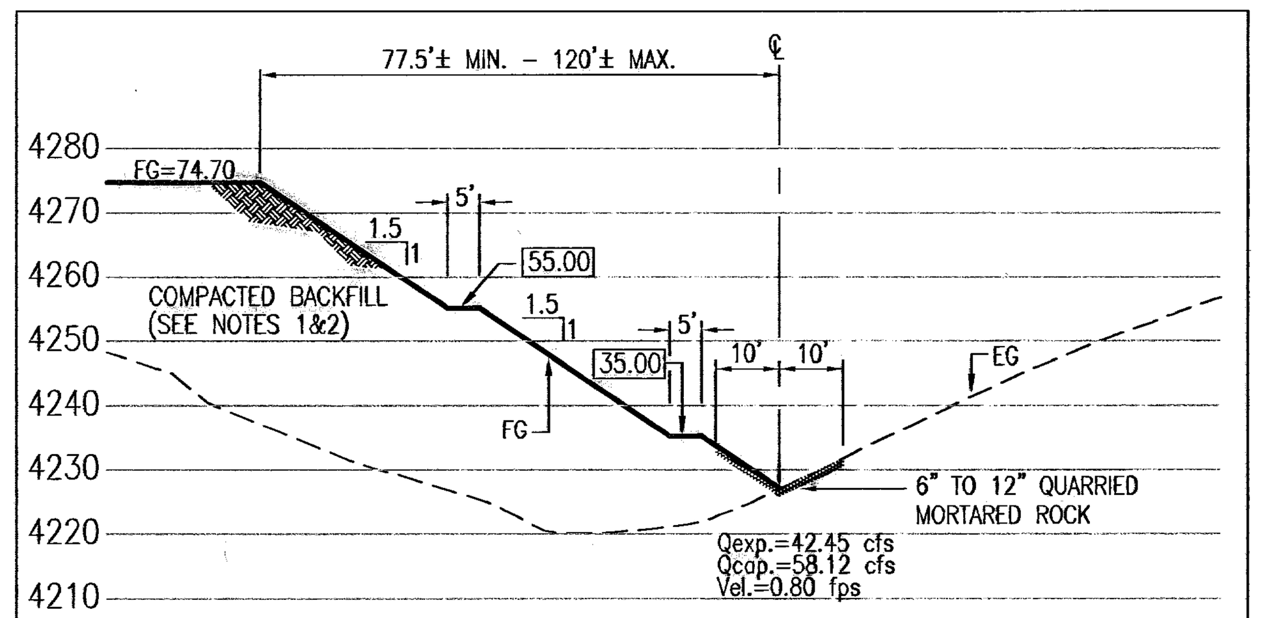
J/7 TYP. CHANNEL WALL DETAILS
N.T.S.



A/7 SECTION
SCALE HOR. 1"=40'
SCALE VERT. 1"=20'



B/7 SECTION
SCALE HOR. 1"=40'
SCALE VERT. 1"=20'



E/7 SECTION
SCALE 1"=30'

GENERAL NOTES:

1. ALL CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH THE "1993 STANDARD SPECIFICATIONS FOR CONSTRUCTION OF HIGHWAYS, STREETS AND BRIDGES." (APPLICABLE ITEMS ONLY) AND WITH THE LATEST EDITION OF THE CITY OF EL PASO "GRADING ORDINANCE".
2. ALL FILL AREAS SHALL BE COMPACTED TO 95% DENSITY PER ASTM D-1557.
3. REFER TO THE CITY OF EL PASO GRADING ORDINANCE CHAPTER 18.44 FOR SITE GRADING SPECIFICATIONS. APPROVED GRADING PERMIT MUST BE AVAILABLE AT THE JOB SITE UPON COMMENCEMENT OF WORK.
4. POSITIVE DRAINAGE SHALL BE PROVIDED BY THE CONTRACTOR DURING ALL PHASES OF GRADING AND CONSTRUCTION.
5. CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION OF EXISTING UTILITY LINES (SHOWN OR NOT SHOWN) WITHIN THE SCOPE OF CONSTRUCTION. THE CONTRACTOR MUST NOTIFY THE RESPECTIVE AGENCIES PRIOR TO MOVING ON SITE, SO THAT THE EXISTING UTILITY LINES CAN BE FIELD VERIFIED. IF ANY LINES ARE DAMAGED DURING CONSTRUCTION, THE CONTRACTOR SHALL REPLACE THEM AT HIS OWN EXPENSE.
6. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL DIMENSIONS ON SITE AND SHALL CONTACT THE DESIGN ENGINEER AND REPORT ANY DISCREPANCIES, OMISSIONS AND ERRORS ON PLANS PRIOR TO COMMENCING OR CONTINUING WORK.
7. 4' GARDEN WALL SHOWN SHALL BE BUILT BY THE HOME BUILDER ON THE UPPER LOT, OR OTHERWISE SHOWN.
8. 4' REAR RETAINING ROCKWALL WITH 4" WEEP HOLES SPACED AT 10' O.C. AND 12" ABOVE F.G. SHALL BE CONSTRUCTED BY THE HOME BUILDER. THE DESIGN AND CALCULATIONS FOR THIS WALL SHALL BE SUBMITTED TO CITY ENGINEERING, FOR APPROVAL, AT TIME OF BUILDING PERMIT APPLICATION AND PRIOR TO CONSTRUCTION OF WALL.
9. 12" ROCK RIP RAP WITH MORTAR SLOPED AT 1:1 SHALL BE CONSTRUCTED BY HOME BUILDER AT THE UPPER END. THE RET. ROCK WALL SHALL BE BUILT BY THE HOME BUILDER AT THE LOWER END. (SEE SECTION D-1). THE CALCULATIONS FOR THIS WALL SHALL BE SUBMITTED TO BP&I, FOR APPROVAL, AT THE TIME OF THE BUILDING PERMIT APPLICATION AND PRIOR TO CONSTRUCTING THE WALL.

NOTES:

SLOPED AREAS SHALL BE MAINTAINED BY LOT OWNER

RETAINING WALL SHALL BE CONSTRUCTED FOR VERTICAL GRADES GREATER THAN 2'. SLOPED AND SWALE AREAS SHALL BE MAINTAINED BY THE PROPERTY OWNER.

EACH INDIVIDUAL LOT OWNER IS RESPONSIBLE FOR THE DRAINAGE OF ALL STORM WATER RUNOFF FROM THE BACK OF THE LOT TO THE FRONT OF THE LOT. THIS INCLUDES ALL RUNOFF FROM CONTRIBUTING SLOPES ONTO THE LOT. SEE LOT DRAINAGE DETAIL ON SHEET 8.

OFF SITE SLOPES, SWALES AND DESILTING BASINS SHALL BE MAINTAINED BY THE DEVELOPER.

FOR SLOPES HIGHER THAN 30', A BENCH TERRACE AT MID-HEIGHT SHALL BE REQUIRED.

BENCHMARK

CITY MONUMENT AT THE CENTERLINE INTERSECTION OF MAJESTIC RIDGE DR. AND EAGLE RIDGE DR. ELEVATION 4213.08 (CITY DATUM)

NOTE: TUSCANY AT RIDGEVIEW IS WITHIN FLOOD ZONE C AND A2 COMMUNITY PANEL # 480214 0022 E DATED JANUARY 3, 1997

LEGEND

ROCK RETAINING WALL REQUIRED

STATE OF TEXAS — GEORGES S. HALLOUL — 92105 — LICENSED — 6-9-07

DATE	REVISION DESCRIPTION	BY

SCALE: 1" = 100'
JOB No. 01-02-1968
FIELD BOOK
DESIGNED BY: ET
COMP. BY: ET
DRAWN BY: SRJ
CHECKED BY: ET
DATE: 08/24/05

TUSCANY AT RIDGEVIEW
EL PASO, EL PASO COUNTY, TEXAS
GRADING PLAN
AS-BUILT

SLI ENGINEERING, INC.
CIVIL ENGINEERS * LAND SURVEYORS * LAND PLANNERS
6600 WESTWIND DR. - EL PASO, TEXAS - 79912 - (915) 584-4457

SHEET 7 OF 13

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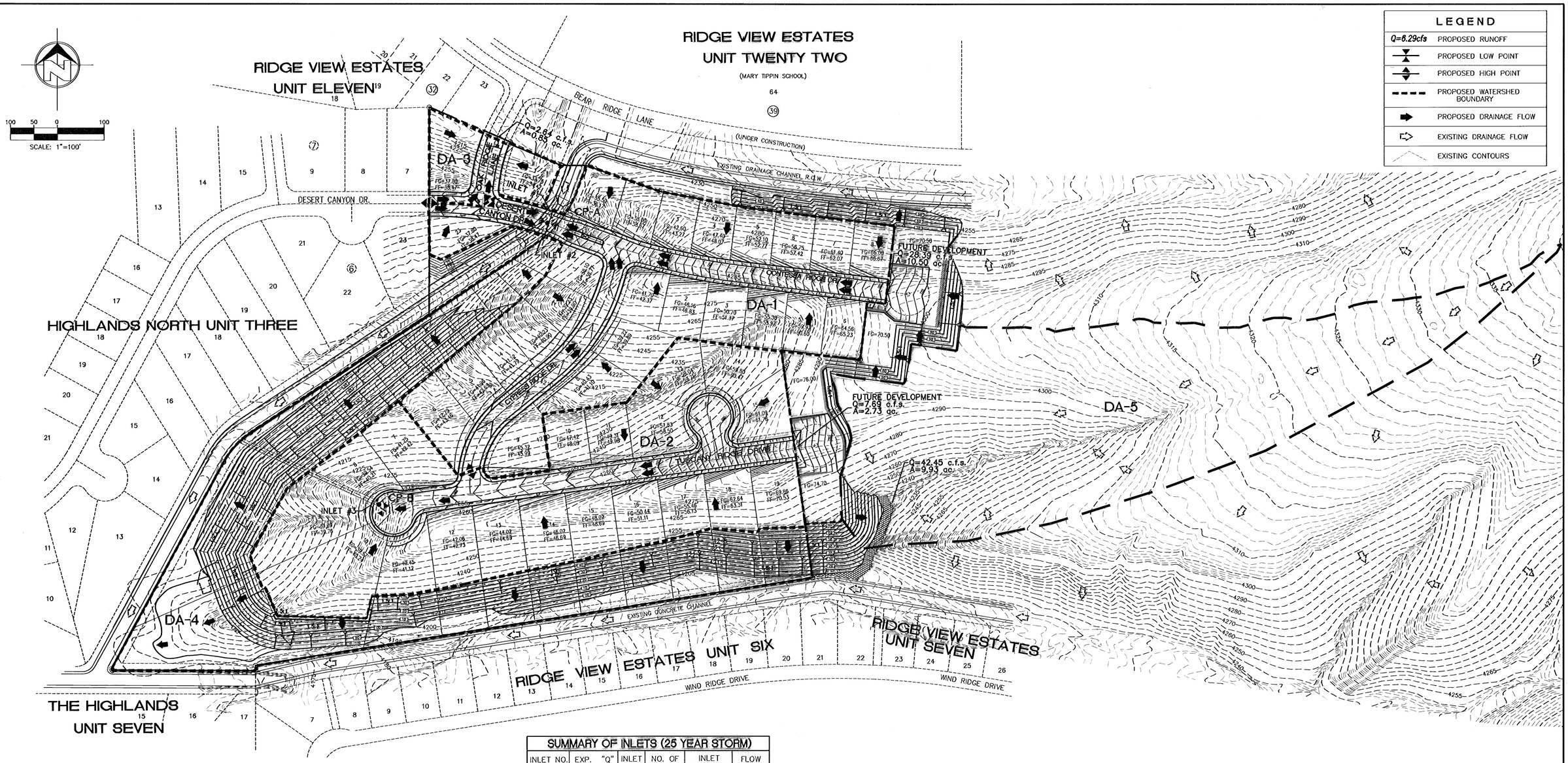
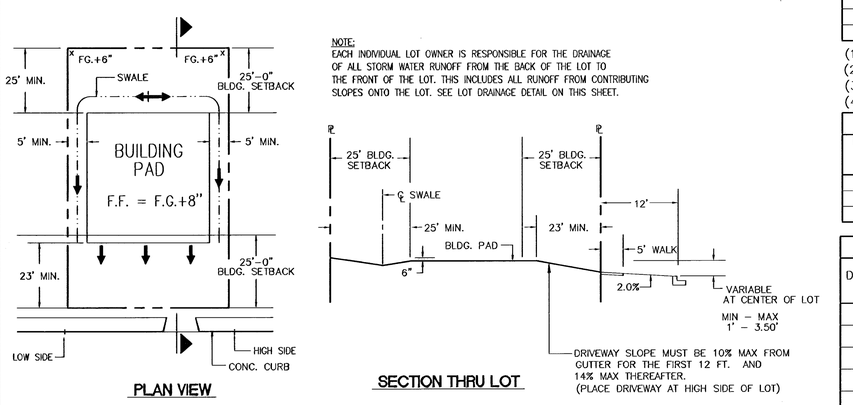


LEGEND	
Q=8.29cfs	PROPOSED RUNOFF
	PROPOSED LOW POINT
	PROPOSED HIGH POINT
	PROPOSED WATERSHED BOUNDARY
	PROPOSED DRAINAGE FLOW
	EXISTING DRAINAGE FLOW
	EXISTING CONTOURS



TYPICAL LOT DRAINAGE
NOT TO SCALE

NOTE:
EACH INDIVIDUAL LOT OWNER IS RESPONSIBLE FOR THE DRAINAGE OF ALL STORM WATER RUNOFF FROM THE BACK OF THE LOT TO THE FRONT OF THE LOT. THIS INCLUDES ALL RUNOFF FROM CONTRIBUTING SLOPES ONTO THE LOT. SEE LOT DRAINAGE DETAIL ON THIS SHEET.

SUMMARY OF INLETS (25 YEAR STORM)

INLET NO.	EXP. "Q"	INLET TYPE	NO. OF GRATES	INLET CAPACITY	FLOW BYPASS
1	22.79 cfs.	1	4	36.00 cfs.	ø
2	22.79 cfs.	1	4	36.00 cfs.	ø
3	30.57 cfs.	1	4	36.00 cfs.	ø

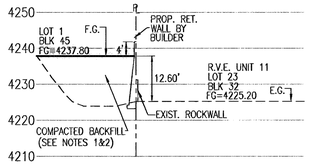
(1) LOCATION
(2) DEPTH
(3) VELOCITY
(4) PRODUCT NUMBER = DEPTH X VELOCITY

MOMENTUM COMPUTATION (25 YEAR STORM)

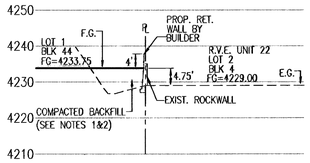
LOCATION @ INLET (1)	DEPTH (2)	VELOCITY (3)	PRODUCT NUMBER (4)
1	0.48'	5.40 f.p.s.	2.59
2	0.48'	5.40 f.p.s.	2.59
3	0.38'	4.30 f.p.s.	1.63

RATIONAL METHOD: Q=CIA

D.A. #	AREA (acres)	Tc (min)	C (avg)	I(25 yr) (in\hr)	Q(25 yr) (cfs)	Q(100 yr) (cfs)
1	8.04	9.68	0.65	4.49	23.46	29.68
2	8.52	10.52	0.65	4.34	24.03	26.32
3	0.86	8.10	0.65	4.78	2.67	3.37
4	7.02	5.00	0.85	5.50	32.82	38.06
5	9.89	6.84	0.85	5.05	42.45	48.51
CP-A	18.70	14.78	0.65	3.75	45.58	56.40
CP-B	11.25	11.54	0.65	4.18	30.57	34.39



A/8 SECTION
SCALE HOR. 1"=40'
SCALE VERT. 1"=20'



B/8 SECTION
SCALE HOR. 1"=40'
SCALE VERT. 1"=20'

BENCHMARK:
EXISTING CITY MONUMENT AT CENTERLINE INTERSECTION OF MAJESTIC RIDGE DR. AND EAGLE RIDGE DR.
ELEVATION = 4213.08
(CITY DATUM)

STATE OF TEXAS
GEORGES S. HALLOUL
92105
LICENSED PROFESSIONAL ENGINEER
6.9.07

DATE	REVISION DESCRIPTION	BY

SCALE: 1" = 100'
JOB No. 09-04-2170
FIELD BOOK
DESIGNED BY: ET
COMP. BY: JAI
DRAWN BY: JAI
CHECKED BY: ET
DATE: 08/24/05

TUSCANY AT RIDGEVIEW
EL PASO, EL PASO COUNTY, TEXAS
DRAINAGE PLAN
AS-BUILT

SLI ENGINEERING, INC.
CIVIL ENGINEERS * LAND SURVEYORS * LAND PLANNERS
6600 WESTWIND DR. – EL PASO, TEXAS – 79912 – (915) 584-4457

SHEET 8 OF 13

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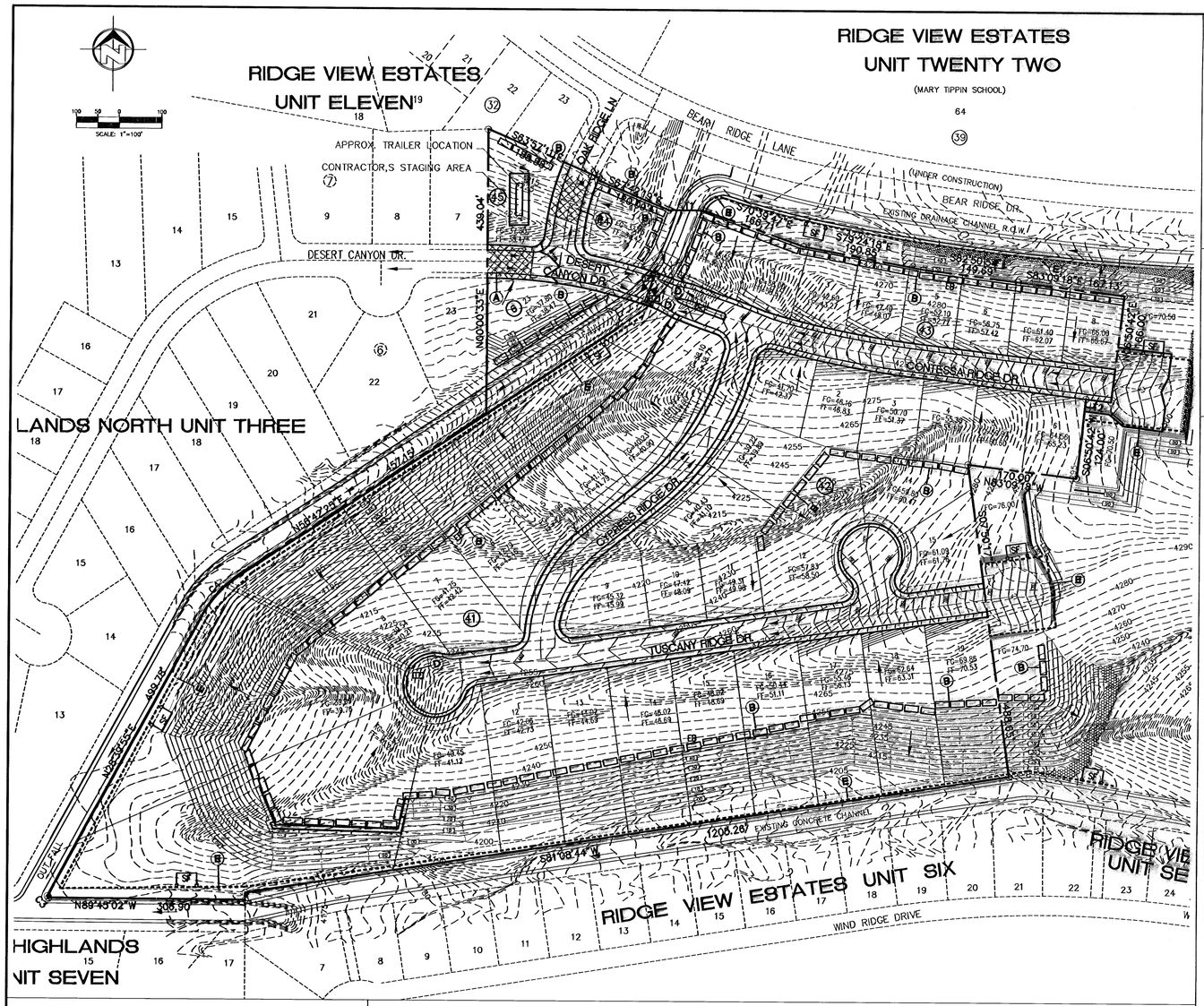


NOTES :

1. WIND EROSION CONTROL: WATERING DURING AND AFTER COMPLETION OF SITE GRADING, THE PROJECT AREA SHALL BE COMPLETELY WATERED AS NEEDED TO CONTROL WIND EROSION OR AS DIRECTED BY THE CITY ENGINEER.
2. EROSION CONTROL:

A. CONSTRUCT BERMS WHERE INDICATED ON THIS PLAN.

B. AT THE ENTRANCES TO EXISTING PUBLIC STREETS THE THE CONTRACTOR SHALL CONSTRUCT A 50'x25'x6" TEMP-ORARY COMPACTED GRAVEL ROADBED APPROACH. (GRAVEL SHALL BE 4" STONE AGGREGATE).

C. CONSTRUCTION ROADS WITHIN THE PROJECT AREA SHALL BE WATERED DOWN REGULARLY TO REDUCE DUST POLLUTION.

D. THE CONTRACTOR SHALL CLEAN UP ANY DIRT OR DERBIS THAT IS SPILLED ON THE EXISTING PUBLIC ROADWAY AS A RESULT OF THIS CONSTRUCTION PROJECT. CLEAN UP IS TO BE DONE ON A REGULAR BASIS OR AS DIRECTED BY THE CITY ENGINEER.

E. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING ALL SLOPES IN GOOD CONDITION AND PROTECTING THEM FROM EROSION.

F. DURING CONSTRUCTION THE CONTRACTOR IS RESPONSIBLE FOR PROTECTING THE STORM DRAIN FROM SEDIMENTATION.

LEGEND

SF	SILT FENCE LOCATION
HB	HAYBALES LOCATION
	STABILIZED ROAD ENTRANCE
IP	INLET PROTECTION ZONE
EB	EARTHEN BERM LOCATION
	ROCK SEDIMENT TRAP
	PORT -O -JOHNS

EROSION CONTROL ELEMENTS NOTES

THE CONTRACTOR SHALL ERECT THESE EROSION CONTROL ELEMENTS PRIOR TO THE COMMENCEMENT OF ANY SITE IMPROVEMENTS. DURING CONSTRUCTION THE CONTRACTOR SHALL INSPECT THE EROSION CONTROL ELEMENTS REGULARLY AND ESPECIALLY AFTER EACH STORM IN ORDER THAT THEY MAINTAIN THEIR EFFECTIVENESS. THE CONTRACTOR SHALL IMMEDIATELY REPAIR ANY ELEMENTS THAT HAS BEEN DAMAGED OR THAT SHOWS SIGNS OF EROSION OR POTENTIAL FAILURE. (THIS INCLUDES REMOVING SEDIMENT WHEN IT HAS ACCUMULATED TO 1/3 THE HEIGHT OF THE SILT FENCE AND REPLACING ANY DAMAGED HAY BALES IMMEDIATELY.)

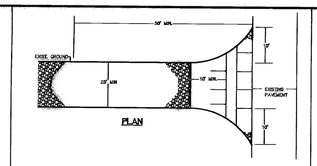
WIND EROSION CONTROL: WATER DURING AND AFTER COMPLETION OF GRADING. THE PROJECT AREA SHALL BE COMPLETELY WATERED AS NEEDED TO CONTROL WIND EROSION (OR AS DIRECTED BY THE DEPUTY DIRECTOR OF ENGINEERING.

DURING CONSTRUCTION THE CONTRACTOR SHALL CONSTRUCT A 50'X25'X6" TEMPORARY GRAVEL ROADBED AT POINTS OF EXIT UNTO PUBLIC ROADWAYS.

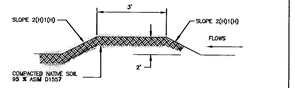
THE CONTRACTOR IS ALSO RESPONSIBLE FOR MAINTAING PROPER DRAINAGE DURING CONSTRUCTION AND NOT ALLOWING SEDIMENT RUNOFF TO ENTER UNOT PUBLIC STREETS.

WARNING BEFORE YOU DIG !!

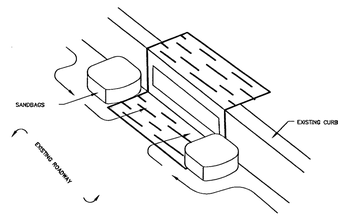
THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING UNDER-GROUND UTILITIES WITHIN THE PROJECT AREA AND CONTACT THE RESPECTIVE AGENCIES PRIOR TO DIGGING .



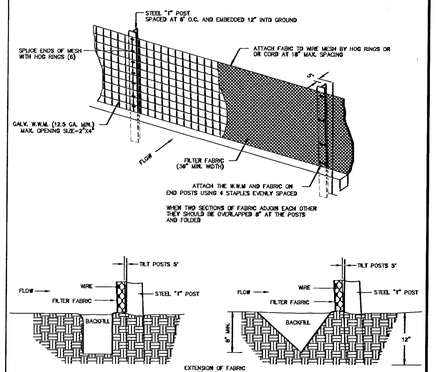
A STABILIZED CONSTRUCTION ENTRANCE
SCALE: N.T.S.



B EARTHEN BERM
N.T.S.



D INLET PROTECTION BARRIER
N.T.S.



E TEMPORARY SEDIMENT CONTROL FENCE
N.T.S.

SWPPP INSPECTION REPORT

PROJECT NAME: _____

CONTRACTOR : _____ DATE OF INSPECTION : _____

INSPECTION CONDUCTED BY: _____ _____
PRINTED NAME SIGNATURE

QUALIFICATIONS OF THE INSPECTOR: _____

REPORT PREPARED BY: (Circle One) CONTRACTOR OWNER

7 DAY INSPECTION 14 DAY INSPECTION (Circle One) AFTER-RAIN EVENT INSPECTION

INSPECTION ISSUE	Y	N	N/A	COMMENTS
ARE NPDES PERMITS, FOR ALL PERMITEES POSTED AT THE CONSTRUCTION ENTRACE ?				
IS CONTACT INFORMATION FOR ALL PERMITEES POSTED AT THE CONSTRUCTION ENTRANCE ?				
ARE COPIES OF INSPECTION REPORT INCLUDED WITH THE SWPPP				
IS A COPY OF THE SWPPP CERTIFICATIONS FOR ALL PERMITEES INVOLVED WITH SWPPP ?				
IF THE BMP's HAVE BEEN MODIFIED, HAS THE SWPPP BEEN MODIFIED ?				
ARE THERE ANY SIGNS OF DISCHARGE LEAVING THE SITE ?				
ARE ALL BMP's FUNCTIONING AS INTENDED ?				
ANY ADDITIONAL BMS's REQUIRED ?				
ARE STABILIZED ENTRANCES/EXITS PREVENTING STREET CONTAMINATION ?				
ARE ANY BMP's IN NEED OF REPAIR AND/OR MAINTENANCE ?				
ARE ANY HAZARDOUS MATERIALS BEING EXPOSED TO STORM WATER RUNOFF ?				
HAVE THERE BEEN ANY REPORTABLE SPILLS OF HAZARDOUS MATERIALS ?				
HAVE ALL AREAS OF THE SITE NOT COVERED BY IMPERVIOUS MATERIALS ACHIEVED THE REQUIRED COVERAGE ?				
ARE ALL SOIL-DISTURBING ACTIVITIES COMPLETE?				
HAS A NOTICE OF TERMINATION (NOT) BEEN FILED ?				

NOTE: ALL ITEMS OF NON-COMPLIANCE SHALL BE REPAIRED/INSTALLED WITHIN SEVEN (7) CALENDAR DAYS OF INSPECTION. REPAIRS/INSTALLATION SHALL BE COMPLETED IMMEDIATELY, IF STORM CONDITIONS ARE IMMINENT

NOTE INCIDENTS OF NON-COMPLIANCE: _____

"I CERTIFY UNDER PENALTY OF LAW THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ENSURE THAT QUALIFIED PERSONNEL PROPERLY GATHERED AND EVALUATED THE INFORMATION SUBMITTED. BASED ON MY 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."

SIGNATURE: _____ DATE: _____

PRINTED NAME: _____

TITLE: _____

INSPECTIONS

A. GENERAL

1. EACH CONTRACTOR WILL DESIGNATE A QUALIFILED PERSON OR PERSONS TO PERFORM THE FOLLOWING INSPECTIONS:
   a. DISTURBED AREAS AND AREAS USED FOR STORAGE OF MATERIALS THAT ARE EXPOSED TO PRECIPITATION WILL BE INSPECTED FOR EVIDENCE OF, OR THE POTENTIAL FOR, POLLUTANTS CONTAMINATING THE AREA.
   b. EROSION AND SEDIMENT CONTROL MEASURES IDENTIFIED IN THE PLAN WILL BE OBSERVED TO ENSURE THAT THEY ARE OPERATING CORRECTLY.
   c. WHERE DISCHARGE LOCATIONS OR POINTS ARE ACCESSIBLE, THEY WILL BE INSPECTED TO ASCERTAIN WHERE EROSION CONTROL MEASURES ARE EFFECTIVE IN PREVENTING SIGNIFICANT IMPACTS TO THE SURROUNDING AREA.
   d. LOCATIONS WHERE VEHICLES ENTER OR EXIT THE DISTURBED AREAS OF SITE WILL BE INSPECTED FOR EVIDENCE OF OFFSITE SEDIMENT TRACKING.
2. THE INSPECTION WILL BE CONDUCTED BY THE RESPONSIBLE PERSON AT LEAST ONCE EVERY 7 CALENDAR DAYS INSPECTIONS SHALL TAKE PLACE ON TUESDAY OF THE WORKWEEK, ALLOWING SUFFICIENT TIME DURING THE SAME WORKWEEK FOR NECESSARY MAINTENANCE AND/OR REPAIR OF SITE CONTROLS.
3. AFTER A PORTION OF THE SITE IS FINALLY STABILIZED, INSPECTION WILL BE CONDUCTED AT LEAST ONCE EVERY MONTH.
4. BASED ON THE RESULTS OF THE INSPECTION, THE SITE EROSION AND SEDIMENT CONTROL DRAWING (SWPPP DRAWING) WILL BE REVISED AS APPROPRIATE, BUT IN NO CASE LATER THAN 7 CALENDAR DAYS FOLLOWING THE INSPECTION.
5. A REPORT SUMMARIZING THE SCOPE OF THE INSPECTION, NAME(S) AND QUALIFICATIONS OF PERSONNEL MAKING THE INSPECTION, MAJOR OBSERVATIONS RELATING TO THE IMPLEMENTATION OF SWPPP, AND ACTIONS TAKEN IN ACCORDANCE WITH THIS SECTION WILL BE MADE AND RETAINED AS PART OF THE SWPPP FOR AT LEAST THREE YEARS FROM THE DATE THAT THE SITE IS FINALLY STABILIZED. THE REPORT WILL BE SIGNED BY THE BY THE QUALIFIED INSPECTOR

EROSION AND SEDIMENT CONTROL

SOIL STABILIZATION PRACTICES

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

OTHER LANDSCAPING

STRUCTURAL PRACTICES

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

OTHER _____

NARRATIVE: SEQUENCE OF CONSTRUCTION (STORM WATER MANAGEMENT) ACTIVITIES

1. INSTALL TEMPORARY EROSION AND SEDIMENT CONTROLS (e.g. SILT FENCE AND/OR BERMS AND STABILIZED CONSTRUCTION ENTRANCE.)
2. EXECUTE CLEARING AND GRUBBING.
3. COMPLETE SITE GRADING.
4. EXCAVATION FOR UTILITIES AND STORM DRAIN SYSTEM.
5. COMPLETION OF SITE IMPROVEMENTS.
6. WHEN ALL CONSTRUCTION ACTIVITIES RELATED TO THE DEVELOPMENT OF THE SITE ARE COMPLETED, REMOVE TEMPORARY CONTROLS MENTIONED IN NOTE NO.1 ABOVE, EXCEPT EARTHEN BERM WHICH IS TO REMAIN AND MAINTAINED UNTIL THE REMAINING UNDEVELOPED PORTION OF THIS SITE IS IMPROVED, AND THEN SUBMIT NOTICE OF TERMINATION FORM.

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: _____
NAME: _____ ADDRESS: _____
TITLE: _____ TELEPHONE: _____
DATE: _____

SUB - CONTRACTOR CERTIFICATION

I CERTIFY UNDER PENALTY OF LAW THAT I WILL COORDINATE EITHER THROUGH THE GENERAL CONTRACTOR, OWNER, OR DIRECTLY, WITH THE CONTRACTOR(S) AND/OR SUBCONTRACTOR(S) IDENTIFIED IN THE POLLUTION PREVENTION PLAN, HAVING RESPONSIBILITY FOR IMPLEMENTING STORM WATER CONTROL MEASURES TO MINIMIZE ANY IMPACT MY ACTIONS MAY HAVE ON THE EFFECTIVENESS OF THESE STORM WATER CONTROLS MEASURES.

SIGNED: _____ SIGNED: _____
NAME: _____ NAME: _____
TITLE: _____ TITLE: _____
COMPANY: _____ COMPANY: _____
ADDRESS: _____ ADDRESS: _____
TELEPHONE: _____ TELEPHONE: _____
DATE: _____ DATE: _____

BEST MANAGEMENT PRACTICES CONTROLS

I WASTE MATERIALS:

ALL WASTE MATERIALS, INCLUDING CONSTRUCTION DEBRIS, SHALL BE COLLECTED AND STORED IN A SECURELY LIDDED METAL DUMPSTER. NO CONSTRUCTION WASTE MATERIAL SHALL BE BURIED ON SITE. THE TRANSIT DUMPSTER SHALL COMPLY WITH ORDINANCE 18.52.010 (ENCLOSURE AND REMOVAL OF WASTE MATERIALS DURING CONSTRUCTION). THE DUMPSTER SHALL BE EMPTED AS NECESSARY OR AS REQUIRED BY ORDINANCE 8.04 (SOLID WASTE MANAGEMENT) AND THE TRASH SHALL BE HAULED TO A LICENSED LANDFILL.

II HAZARDOUS WASTE:

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

III SANITARY WASTE:

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

IV SPILL PREVENTION:

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

V GOOD HOUSEKEEPING:

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

VI HAZARDOUS PRODUCTS:

PRACTICES 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 PRODUCTS IN ACCORDANCE WITH MANUFACTURER'S OR LOCAL AND STATE RECOMMENDED METHODS.

VII PETROLEUM PRODUCTS:

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

VIII SPILL CONTROL PRACTICES:

A. MANUFACTURER'S RECOMMENDED METHODS FOR SPILL CLEANUP SHALL BE CLEARLY POSTED AND SITE PERSONNEL SHALL BE MADE AWARE OF THE PROCEDURES.
B. MATERIALS AND EQUIPMENT NECESSARY FOR 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 SHILL BE WELL VENTILATED AND APPROPRIATE CLOTHING WILL BE WORN.
E. ANY SPILL SHALL BE REPORTED TO THE APPROPRIATE GOVERNMENTAL AGENCY.
F. MEASURES SHALL BE TAKEN TO PREVENT A SPILL FROM REOCCURRING.

IX MAINTENANCE AND INSPECTION PROCEDURES:

ALL POLLUTION PREVENTION MEASURES SHALL BE INSPECTED AT LEAST ONCE A MONTH OR WITHIN 24-HOURS PRIOR TO ANTICIPATED STORM EVENT AND FOLLOWING A STORM EVENT OF 0.50 INCHES OR MORE. INSPECTION IN FINAL STABILIZED AREAS OR DURING ARID PERIODS WILL BE CONDUCTED MONTHLY. BEST MANAGEMENT PRACTICES AND POLLUTION CONTROL PROCEDURES SHALL BE INSPECTED FOR ADEQUACY. A REPORT SUMMARIZING THE SCOPE OF INSPECTION SHALL BE DONE AND RETAINED ALONG WITH THE SSPCP.

X REMARKS:

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

XI OFFSITE VEHICLE TRACKING:

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

- X HAUL ROADS SHALL BE DAMPENED FOR DUST CONTROL
- X LOADED HAUL TRUCKS SHALL BE COVERED WITH TARPAULIN.
- X EXCESS DIRT ON ROADS SHALL BE REMOVED IMMEDIATELY.
- X STABILIZED CONSTRUCTION ENTRANCE.
- X OTHER: LANDSCAPED SLOPES

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 OF MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.

OWNER : SIGNED _____ DATE _____
OWNER : NAME _____ DATE _____
TITLE: _____ DATE _____

STATE OF TEXAS
GEORGES S. HALLOUL
92105
LICENSED
PROFESSIONAL ENGINEER
6-9-07

DATE	REVISION DESCRIPTION	BY

SCALE: AS NOTED
JOB No. 01-02-1968
FIELD BOOK ___
DESIGNED BY: ET
COMP. BY: ET
DRAWN BY: ET/JCH
CHECKED BY: ET
DATE: 08/17/05

TUSCANY AT RIDGEVIEW

STORM WATER POLLUTION PREVENTION PLAN
AS-BUILT

SLI ENGINEERING, INC.
CIVIL ENGINEERS * LAND SURVEYORS * LAND PLANNERS
6600 WESTWIND DR. - EL PASO, TEXAS - 79912 - (915) 584-4457

SHEET 9 OF 13

600830

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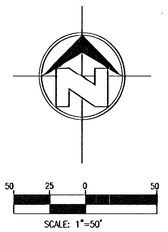
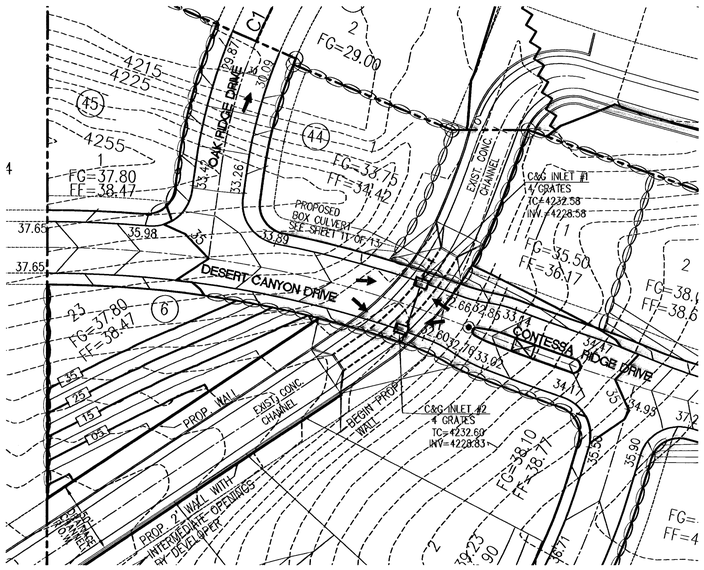
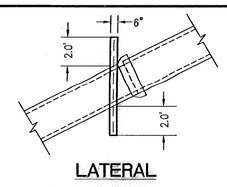


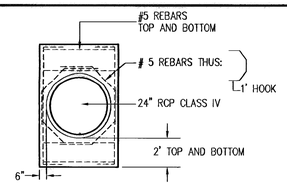




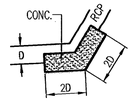
LATERAL

CONC. DIAPHRAGM DETAIL

N.T.S.

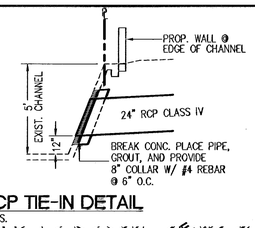


FRONT VIEW



THRUST BLOCK DETAIL

N.T.S.



RCP TIE-IN DETAIL

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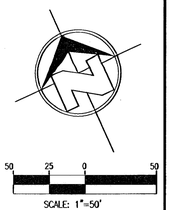

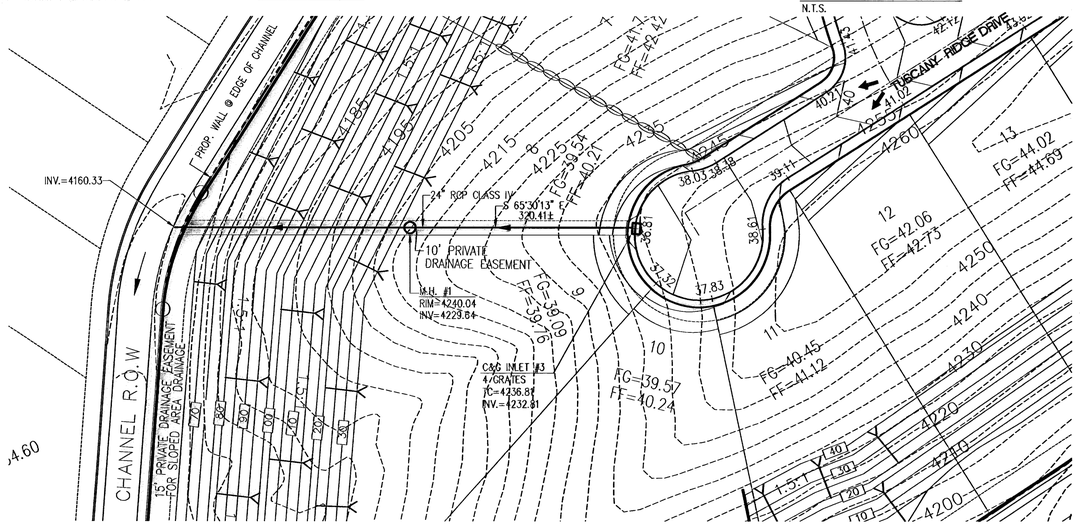

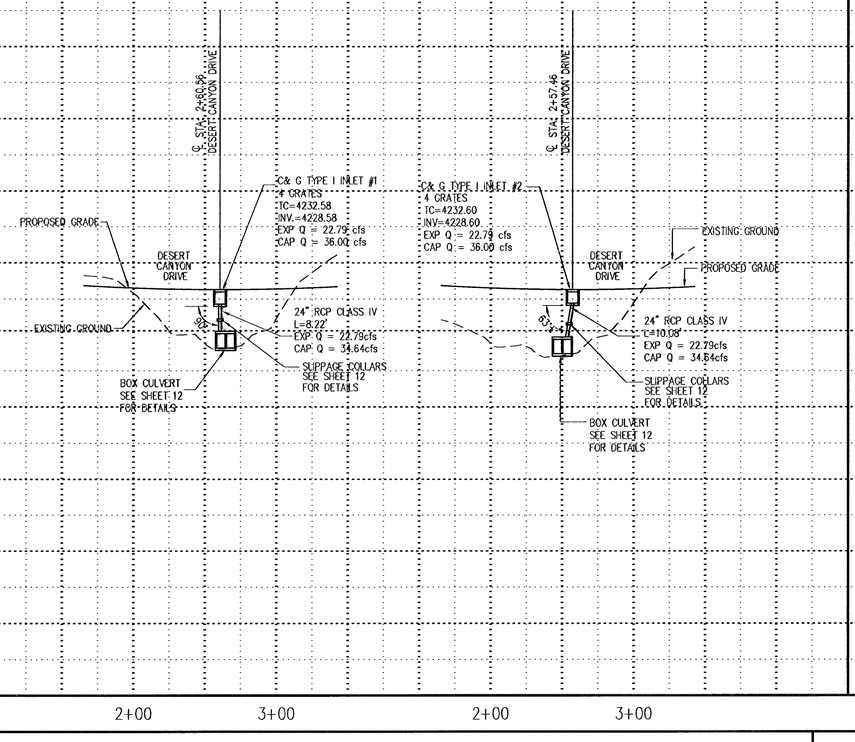

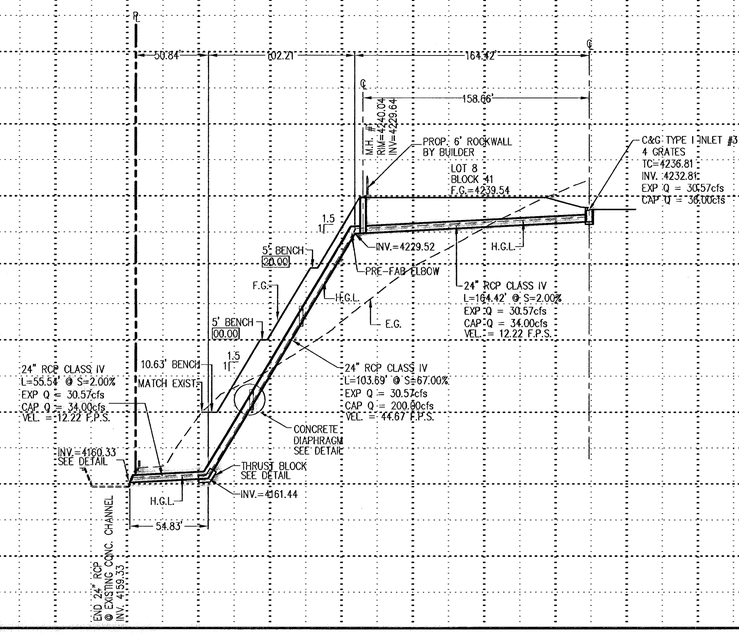

0+00 1+00 2+00 3+00

BENCHMARK:

EXISTING CITY MONUMENT AT CENTERLINE INTERSECTION OF MAJESTIC RIDGE DR. AND EAGLE RIDGE DR. ELEVATION = 4213.08 (CITY DATUM)

STATE OF TEXAS
GEORGES S. HALLOUL
92105
LICENSED PROFESSIONAL ENGINEER
6-9-07

SCALE

HOR. 1"= 50'

VER. 1"= 20'

DATE	REVISION DESCRIPTION	BY

SCALE: AS NOTED
JOB NO. 01-95-1172
FIELD BOOK
DESIGNED BY: SRJ
COMP. BY: SRJ
DRAWN BY: SRJ
CHECKED BY: E.T.
DATE: 08/17/05

TUSCANY AT RIDGEVIEW
EL PASO, EL PASO COUNTY, TEXAS
STORM DRAIN
AS-BUILT

SLI ENGINEERING, INC.
CIVIL ENGINEERS * LAND SURVEYORS * LAND PLANNERS
6600 WESTWIND DR. – EL PASO, TEXAS – 79912 – (915) 584-4457

SHEET 10 OF 13

600830

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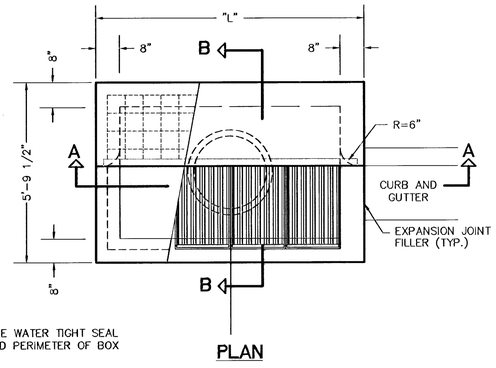
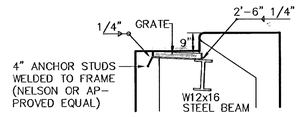
CURB AND GRATE

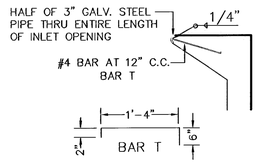
C & G	NO. OF GRATES	LENGTH (L)	DEPTH (D)	BEAM SIZE	BEAM LENGTH	T.C.1	T.C.2	INVERT	Q (EXP.) CFS	INLET CAP. CFS
1	4	8'-9 7/8"	4.00	W9x18	8'-3 7/8"	4232.58	4232.58	4228.58	22.79	36.00
2	4	8'-9 7/8"	4.00	W9x18	8'-3 7/8"	4232.60	4232.60	4228.60	22.79	36.00
3	4	8'-9 7/8"	4.00	W9x18	8'-3 7/8"	4236.81	4236.81	4232.81	30.57	36.00



PLAN



STUD AND BEAM DETAIL

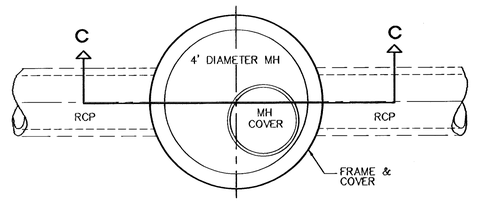


NOSE DETAIL

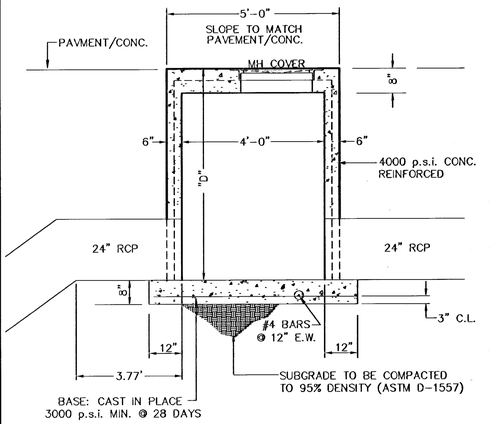
1. WELDED STEEL OR CAST GRATES AS DETAILED ARE ALL ACCEPTABLE GRATES. MIXING OF ALTERNATE TYPES OF GRATES ON THE SAME PROJECT WILL BE PERMITTED WITH THE APPROVAL OF THE CITY ENGINEER.
2. ALL CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH CURRENT STANDARD SPECIFICATIONS.
3. SHARP EDGES RESULTING FROM FABRICATION SHALL BE DULLED BY ANY ACCEPTABLE METHOD FOR SAFETY IN HANDLING.
4. WELDED GRATES SHALL BE STRUCTURAL STEEL CONFORMING TO THE REQUIREMENTS OF AASHTO M-183 OR OF CORROSION RESISTANT STRUCTURAL STEEL CONFORMING TO THE REQUIREMENTS OF AASHTO M-161 OR M-222 OR BE MADE OF OTHER APPROVED STEELS OF EQUAL QUALITY. MIXING GRADES OF STEEL ON THE SAME GRATE WILL NOT BE PERMITTED.
5. 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.
6. ALL WELDS SHALL BE A MINIMUM OF 1/4" FILLET AND SHALL CONFORM TO THE SPECIFICATIONS FOR HIGHWAY CONSTRUCTION AND TO THE AWS STRUCTURAL WELDING CODE. ELECTRODES SHALL BE COMPATIBLE TO THE DIFFERENT GRADES OF STEEL THAT COMPRISE THE GRATE MEMBERS.
7. CAST GRATES SHALL BE CAST STEEL CONFORMING TO THE REQUIREMENTS OF AASHTO M-103, GRADE 65-35 OR OF DUCTILE IRON CONFORMING TO THE REQUIREMENTS OF ASTM A-536, SPECIAL GRADE 60-45, OR OF GRAY IRON CONFORMING TO THE REQUIREMENTS OF AASHTO M-105, CLASS 35B OR ASTM A-48 CLASS 35B. THE SPECIFICATIONS OF GENERAL APPLICATION FOR CAST STEEL GRATES SHALL BE AASHTO M-103 SCOPE 1.2.1, GRADE N-1.
8. FERROUS CASTINGS SHALL BE OF UNIFORM QUALITY, FREE OF BLOWHOLES, POROSITY, HARD SPOTS, SHRINKAGE DISTORTION OR OTHER DEFECTS. THEY SHALL BE SMOOTH AND WELL CLEANED BY SHOT BLASTING OR OTHER APPROVED CLEANING METHOD. AFTER CLEANING THEY SHALL BE COATED WITH ASPHALT BASE PAINT RESULTING IN A SMOOTH COATING, TOUGH AND TENACIOUS WHEN COLD, NOT TACKY NOR BRITTLE.
9. ALL CASTINGS SHALL BE MANUFACTURED TRUE TO PATTERN. COMPONENT PARTS SHALL FIT TOGETHER IN A SATISFACTORY MANNER.
10. ALL CONCRETE TO BE 3000 p.s.i. . CHAMFER ALL EXPOSED EDGES 3/4". ALL DIMENSIONS RELATING TO REINFORCING STEEL ARE TO CENTER OF BARS.
11. MINIMUM CONCRETE COVER SHALL BE 1-1/2" FOR STEEL REINFORCING.
12. EXPANSION MATERIAL TO BE 1/2" BITUMINOUS FIBER AND BE PLACED WHERE PROPOSED CONCRETE COMES IN CONTACT WITH ANY EXISTING OR PROPOSED CONCRETE OR MASONRY STRUCTURE.
13. STRUCTURAL STEEL SHALL BE PAINTED IN ACCORDANCE WITH T.H.D. ITEM 446 "PAINT AND PAINTING".
14. SURFACE OF ALL EXPOSED CONCRETE SHALL CONFORM IN SLOPE AND GRADE TO EXISTING OR PROPOSED CURB AND WALK ADJACENT TO INLETS.
15. ALL REINFORCING BARS TO BE #4 BARS AT 6" O.C. GRADE 60. BEND BARS AROUND PIPE OPENINGS.
16. THE GRATES OF ALL INLETS WITHIN THE STREET PAVEMENT MUST BE CONSTRUCTED WITH THE GRATE BARS PERPENDICULAR TO THE CURB.

MANHOLE GENERAL NOTES

1. MANHOLES SHALL BE MANUFACTURED IN CONFORMANCE W/ ASTM C-478-93 AND MEETING ALL REQUIREMENTS AND DIMENSIONS.
   MINIMUM WALL THICKNESS SHALL BE 1/12 OF INTERNAL DIAMETER OF RISER OR LARGEST CORE DIAMETER. REINFORCEMENT SHALL BE 6" x 6" 6/6 WWF (DOUBLE CAGE).
   CONCRETE SHALL HAVE A MINIMUM 4000 p.s.i. @ 28 COMPRESSIVE STRENGTH. IN NO CASE SHALL THE COMPRESSIVE STRENGTH FALL BELOW 3200 p.s.i. BY TESTING CYLINDERS OR CORING OF FINISHED PRODUCT.
   AGGREGATES SHALL CONFORM TO SPECIFICATION C-33, EXCEPT THAT THE GRADATION SHALL NOT APPLY.
   JOINTS ARE TONGUE AND GROOVE TYPE.
2. POURED IN PLACE CONCRETE MUST HAVE A MINIMUM ALLOWABLE COMPRESSIVE STRENGTH OF 3000 p.s.i @ 28 DAYS.
3. MASONRY IF USED, TO BE COMMON BRICK WITH ASTM TYPE "S" MORTAR 1800 p.s.i.
4. ALL PRECAST JOINTS ON MANHOLES MUST BE GROUTED OR SEALED FOR A WATERTIGHT JOINT.
5. MANHOLE COVER MUST BE FLUSH WITH FINISHED PAVEMENT. (SLOPE TO MATCH FG.)
6. MATCHING SURFACES MARKED "MS" TO BE MACHINE FINISHED OF ANY IRREGULARITIES THAT WOULD PREVENT A SNUG FIT.
7. CASTING OF MANHOLES , ETC. TO BE SMOOTH AND VOID OF AIR HOLES.



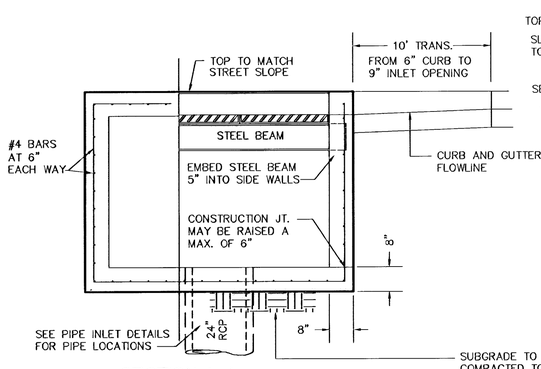
PLAN



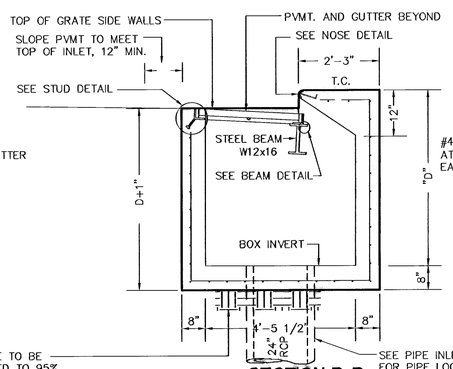
SECTION C-C

MH#	RIM	INVERT	DEPTH (D)	PIPE
1	4240.04	4229.64	10.4'	24" RCP

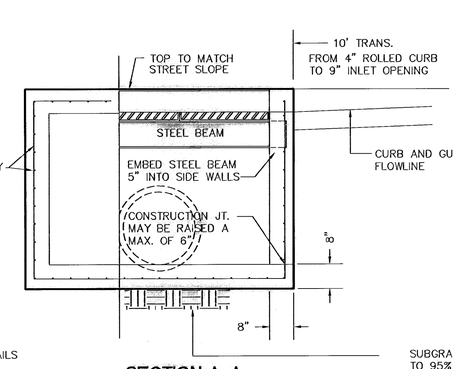
PRECAST CIRCULAR CONC. MANHOLE DETAILS
N.T.S.



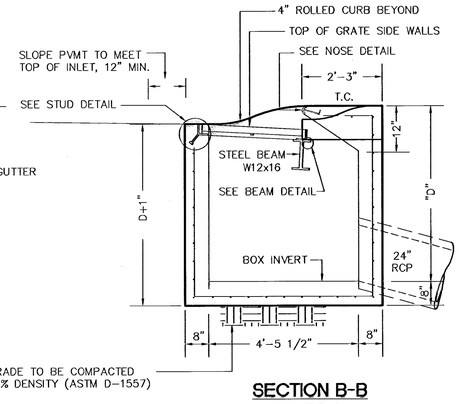
SECTION A-A
INLETS 1 AND 2



SECTION B-B
INLETS 1 AND 2

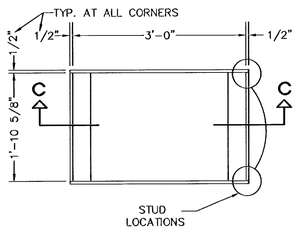


SECTION A-A
INLET 3



SECTION B-B
INLET 3

TYPICAL CAST-IN-PLACE CONC. COMBINATION CURB AND GRATE INLET TYPE I
N.T.S.

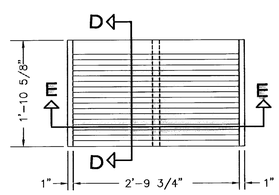


SECTION C-C

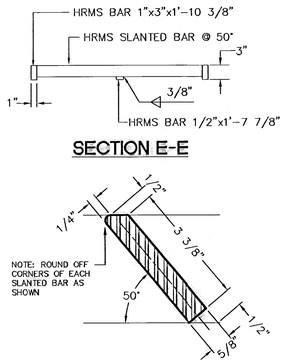
CAPACITY PER GRATE
$Q = CA\sqrt{2GH}$
$Q = (0.70)(3.12)\sqrt{(2)(32.2)(0.5)}$
$Q = (12.39)(0.50) = 6.20$ cfs

CAPACITY FOR CURB OPENING (PER GRATE)
$Q = 3.087\ L\ (H)^{3/2}$
$Q = (3.87)(1.88)(0.5)^{3/2} = 2.05$ cfs

TOTAL CAPACITY FOR CURB OPENING + PER GRATE
$Q = 6.20 + 2.05 = 8.05$ cfs



SECTION D-D



SECTION E-E

SLANTED BAR DETAIL

FRAME AND GRATE DETAILS
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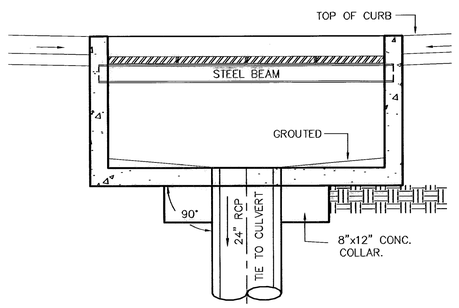
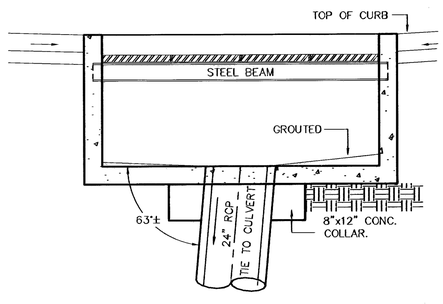


CURB AND GRATE INLET #1
(SECTION) N.T.S.



CURB AND GRATE INLET #2
(SECTION) N.T.S.

PIPE INLET DETAILS
N.T.S.

BENCHMARK:
EXISTING CITY MONUMENT AT CENTERLINE INTERSECTION OF MAJESTIC RIDGE DR. AND EAGLE RIDGE DR.
ELEVATION = 4213.08
(CITY DATUM)

STATE OF TEXAS — GEORGES S. HALLOUL — 92105 — LICENSED PROFESSIONAL ENGINEER — 6.9.07

DATE	REVISION DESCRIPTION	BY

SCALE: AS NOTED
JOB No. 09-04-2170
FIELD BOOK
DESIGNED BY: E.T.
COMP. BY: E.T.
DRAWN BY: SRJ
CHECKED BY: E.T.
DATE: 08/02/05

TUSCANY AT RIDGEVIEW
EL PASO, EL PASO COUNTY, TEXAS
DRAINAGE STRUCTURE DETAILS
AS-BUILT

SLI ENGINEERING, INC.
CIVIL ENGINEERS * LAND SURVEYORS * LAND PLANNERS
6600 WESTWIND DR. – EL PASO, TEXAS – 79912 – (915) 584-4457

SHEET 11 OF 13

600830

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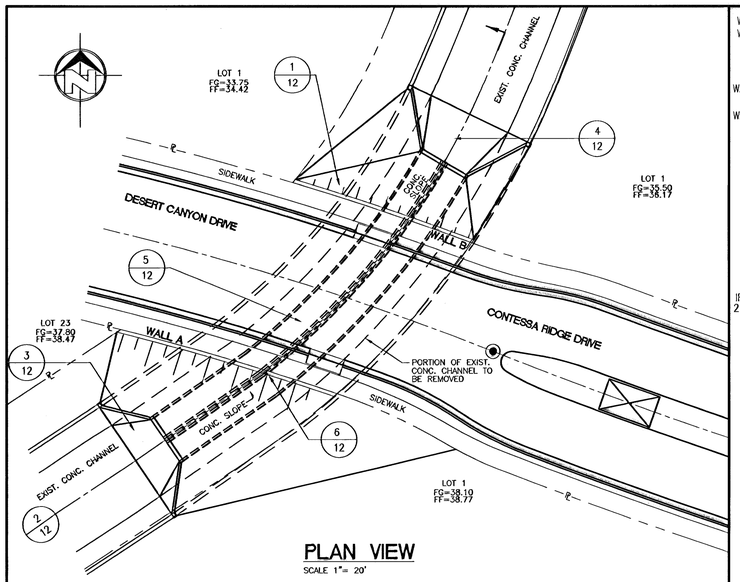
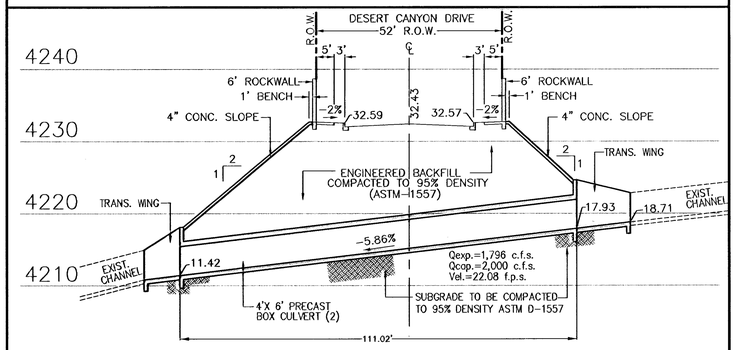


PLAN VIEW

SCALE 1"= 20'



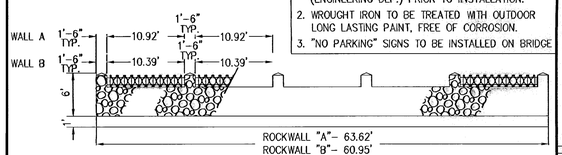
NOTE: HEC-RAS FILE ATTACHED FOR HYDRAULIC COMPUTATIONS.

2/12 SECTION THRU CULVERT UNDER STREET

SCALE HOR. 1"=20'
SCALE VER. 1"=10'

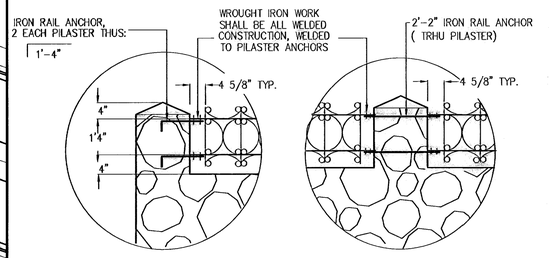
WROUGHT IRON WORK CONTRACTOR WILL VERIFY DIMENSIONS IN THE FIELD.

NOTES:
1. WROUGHT IRON DESIGN TO BE APPROVED BY THE CITY OF EL PASO (ENGINEERING DEP.) PRIOR TO INSTALLATION.
2. WROUGHT IRON TO BE TREATED WITH OUTDOOR LONG LASTING PAINT, FREE OF CORROSION.
3. "NO PARKING" SIGNS TO BE INSTALLED ON BRIDGE



ELEVATION WALLS A,B.

1"=10'

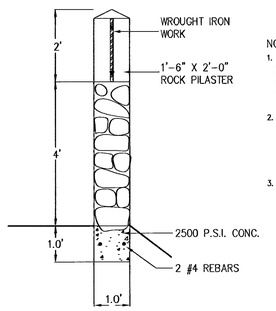


END PILASTER

1"=2'

INTERMIDIATE PILASTER

1"=2'



NOTES:
1. STONE FOR ROCKWALLS SHALL BE AS NEARLY UNIFORM IN SECTION AS IS PRACTICABLE. THE STONE SHALL BE DENSE AND RESISTANT TO THE ACTION OF AIR AND WATER.
2. MORTAR FOR ROCK WALL SHALL BE A.S.T.M. TYPE "S" USE ONE PART PORTLAND CEMENT, 1/4 TO 1/2 PARTS HYDRATED LIME AND 3 PARTS SAND (2 1/4 TO 3 TIMES THE SUM OF THE VOLUMES OF CEMENT AND LIME COMBINED) SEE CITY BUILDING CODE PP. 14-3 AND 14-4
3. IF ROCKWALL IS FREQUENTLY EXPOSED TO WATER LIME SHALL NOT BE USED, AND THE PROPORTIONS SHALL BE ONE PART PORTLAND CEMENT AND THREE PARTS SAND.

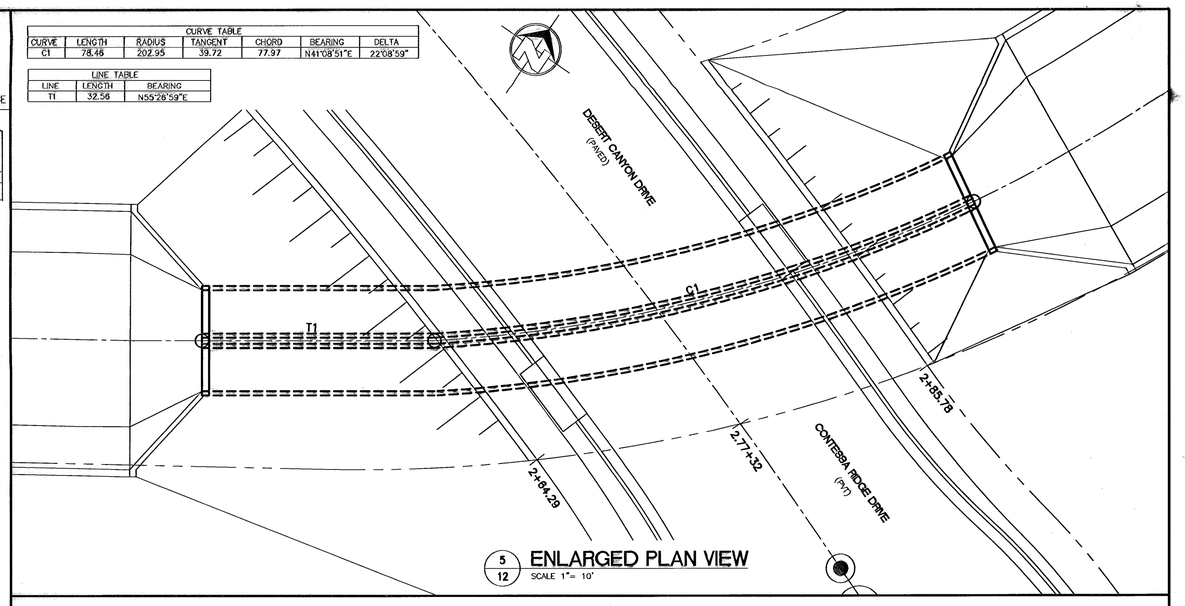
SECTION ROCKWALL

1/12 PROPOSED ROCKWALL FENCE W/ORNAMENTAL IRON TOP FENCE

SCALE: 1" = 2'

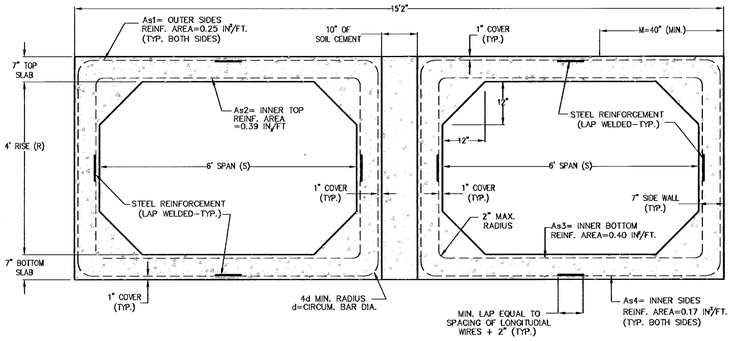
CURVE TABLE						
CURVE	LENGTH	RADIUS	TANGENT	CHORD	BEARING	DELTA
C1	78.46	202.95	39.72	77.97	N41°08'51"E	22°08'59"

LINE TABLE		
LINE	LENGTH	BEARING
T1	32.56	N55°26'59"E



5/12 ENLARGED PLAN VIEW

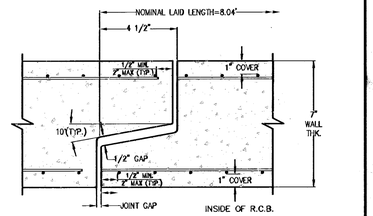
SCALE 1"= 10'



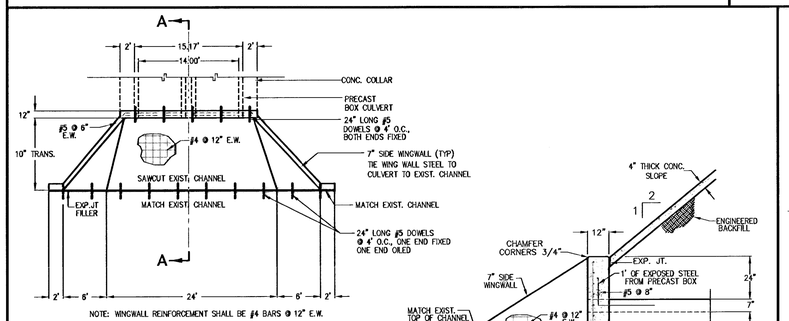
NOTES:
1. DESIGN IN ACCORDANCE WITH ASTM SPECIFICATION C-1433, TABLE 1 (LATEST EDITION), FOR 3'-20' OF EARTH COVER
2. MINIMUM CONCRETE STRENGTH = 5,000 PSI.

6/12 PRECAST BOX CULVERT TYP. SECTION

SCALE: N.T.S

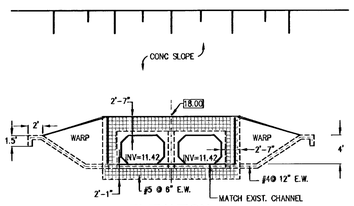


TYPICAL SECTION THRU BOX JOINT



NOTE: WINGWALL REINFORCEMENT SHALL BE #4 BARS @ 12" E.W.

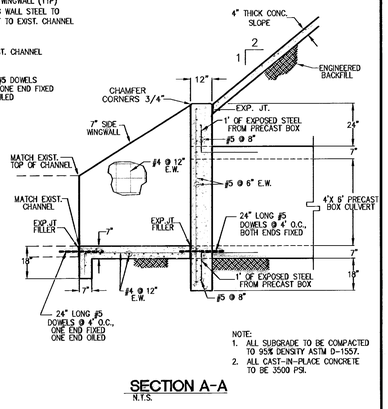
PLAN VIEW



ELEVATION

3/12 CULVERT: EXIT

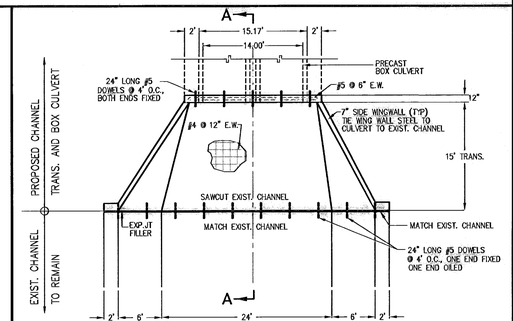
SCALE: 1" = 10'



NOTE:
1. ALL SUBGRADE TO BE COMPACTED TO 95% DENSITY ASTM D-1557.
2. ALL CAST-IN-PLACE CONCRETE TO BE 3500 PSI.

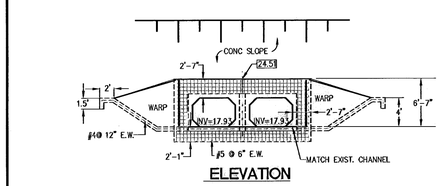
SECTION A-A

N.T.S.



NOTE: WINGWALL REINFORCEMENT SHALL BE #4 BARS AT 12" E.W.

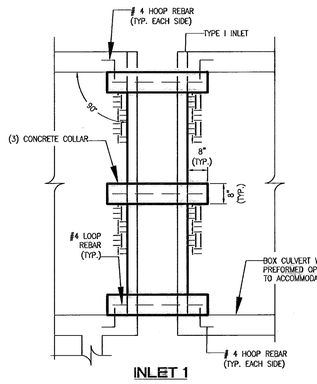
PLAN VIEW



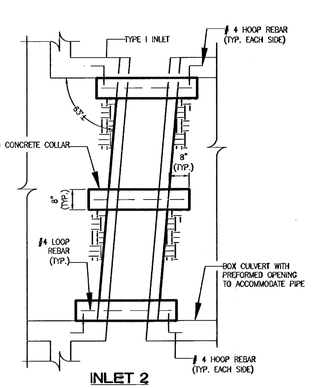
ELEVATION

4/12 CULVERT: ENTRANCE

SCALE: 1" = 10'



INLET 1



INLET 2

SLIPPAGE COLLARS DETAILS

N.T.S.

BENCHMARK:

EXISTING CITY MONUMENT AT CENTERLINE INTERSECTION OF MAJESTIC RIDGE DR. AND EAGLE RIDGE DR.
ELEVATION = 4213.08
(CITY DATUM)

STATE OF TEXAS
GEORGES S. HALLOUL
92107
LICENSED
6.9.07

DATE	REVISION DESCRIPTION	BY

SCALE:	AS SHOWN
JOB No.	09-04-2170
FIELD BOOK	–
DESIGNED BY:	E.T.
COMPUTED BY:	XXX
DRAWN BY:	SRJ
CHECKED BY:	E.T.
DATE:	08/17/05

TUSCANY AT RIDGEVIEW
EL PASO, EL PASO COUNTY, TEXAS.
BOX CULVERT DETAILS AS-BUILT

SLI ENGINEERING, INC.
CIVIL ENGINEERS * LAND SURVEYORS * LAND PLANNERS
6600 WESTWIND DR. – EL PASO, TEXAS – 79912. – (915) 584-4457

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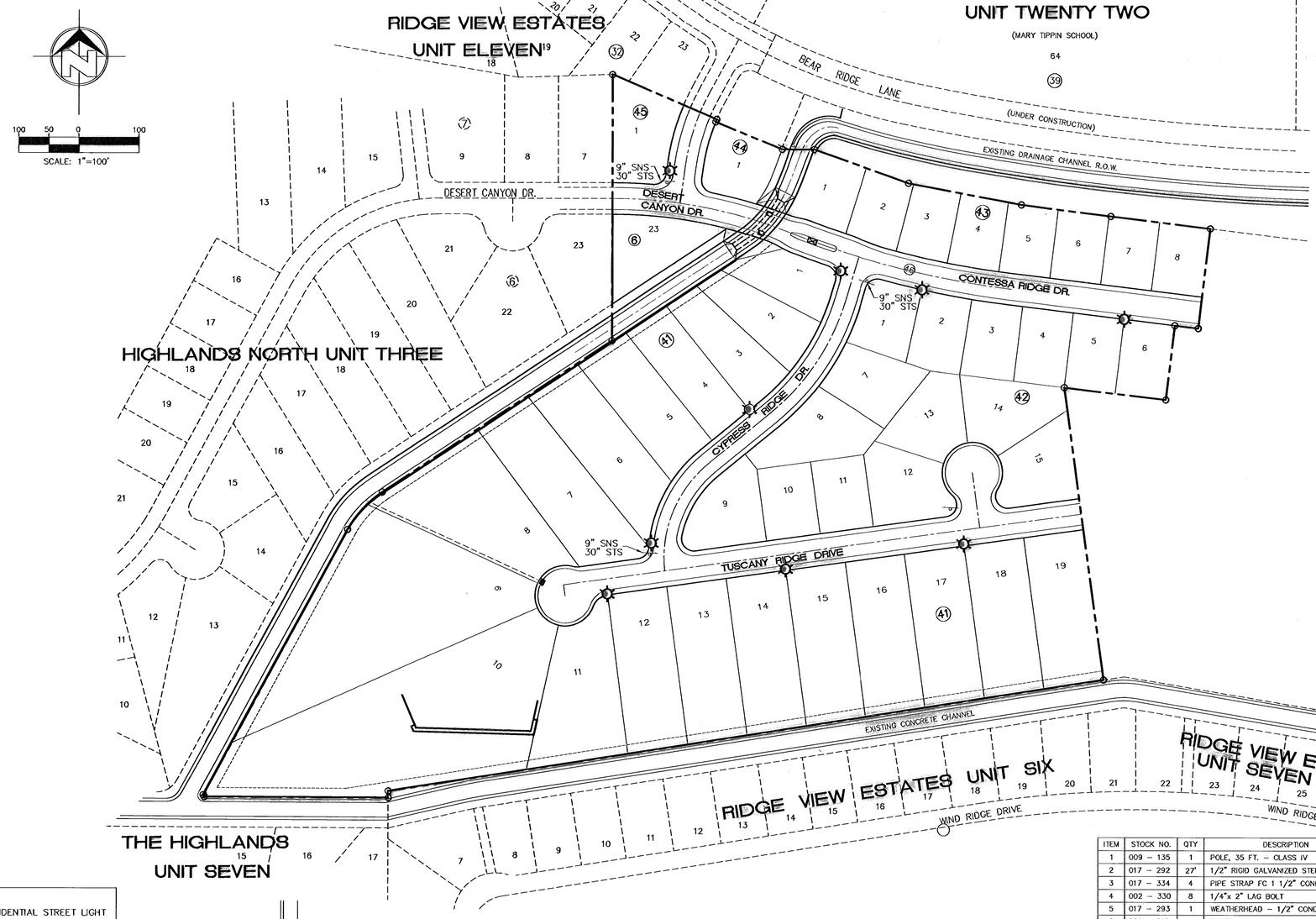
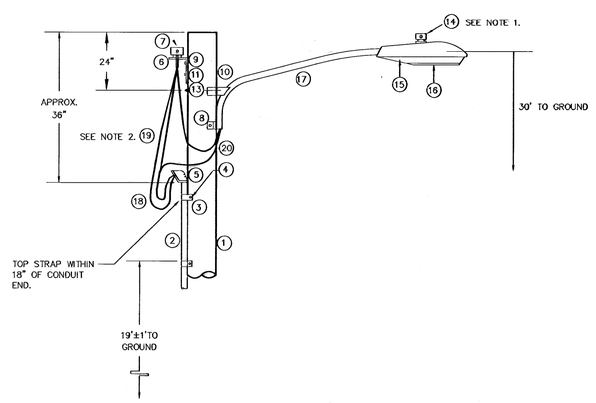
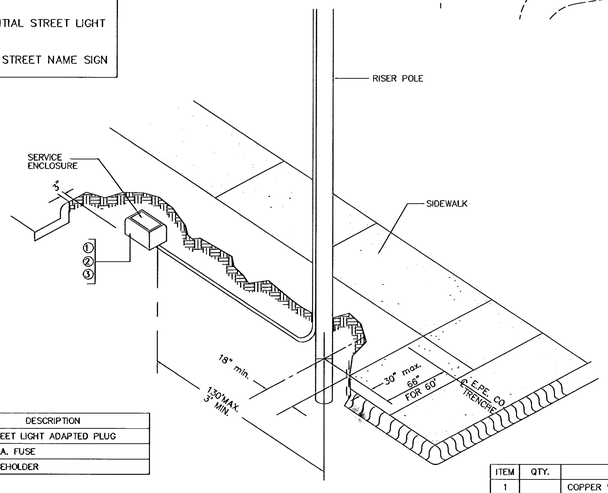




RESIDENTIAL STREET LIGHT
N.T.S.

PROPOSED RESIDENTIAL STREET LIGHT

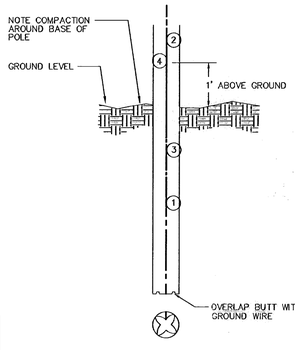
PROPOSED STOP / STREET NAME SIGN



ITEM	STOCK NO.	QTY	DESCRIPTION
1	017 – 004	2	STREET LIGHT ADAPTED PLUG
2	021 – 215	2	30 A. FUSE
3	021 – 245	2	FUSEHOLDER

STREET LIGHT POLE LOCATION
N.T.S.

ITEM	QTY.	DESCRIPTION
1		COPPER WIRE, #6 BARE SOLID HARD DRAWN
2		ALUMINUM WIRE, #4 BARE SOLID HARD DRAWN
3	1/2#	STAPLE, GALV. 1-1/2" NO.9
4	1	SPLICE, #4 SOLID ALUM. TO #6 SOLID CU.



BUTT GROUNDING DETAIL
N.T.S.

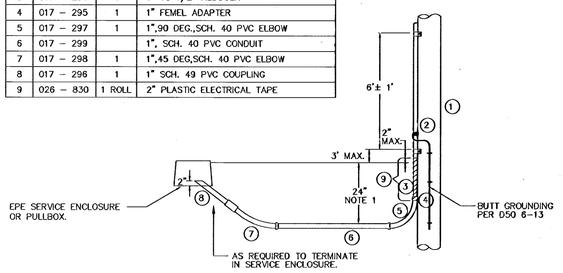
ITEM	STOCK NO.	QTY	DESCRIPTION
1	009 – 135	1	POLE, 35 FT. – CLASS IV
2	017 – 292	27'	1/2" RIGID GALVANIZED STEEL CONDUIT
3	017 – 334	4	PIPE STRAP FC 1 1/2" CONDUIT
4	002 – 330	8	1/4"x 2" LAG BOLT
5	017 – 293	1	WEATHERHEAD – 1/2" CONDUIT
6	021 – 210	1	PHOTO CELL RECEPTACLE AND BRACKET
7	021 – 225	1	240 V PHOTO CELL
8	002 – 370	4	1/2"x 4" LAG BOLT
9	002 – 330	2	1/4"x 2" LAG BOLT
10	002 – 450	1	5/8"x 8" MACHINE BOLT
11	002 – 760	1	21/4"x 21/4" SQ. GALV. WASHER
12	002 – 786	1	5/8" COIL – SPRING WASHER
13	002 – 705	1	5/8" LOCKNUT
14	021 – 225	1	PHOTOCONTROL–240V
15	021 – 400	1	LAMP–HPS, 10DW–9,500 LUMEN OR 150W–16,000 LUMEN
16	021 – 085	1	100 W HPS LAMP
17	021 – 200	1	6'x 11/2" MAST ALARM
18	013 – 665		#12,19 STR. 600 V. COPPER CABLE
19	005 – 140	3	#12,10 SLEEVES
20	003 – 600	8'	#10,2 COND. 600 V. CABLE

1.) MOUNT CONTROL FACING NORTH.

2.) CONNECTORS SHOULD BE ON THE OUTSIDE OF THE LUMINAIRE SUPPORT.

3.) FOR ANY CLARIFICATION, EXCEPTIONS OR QUESTIONS REGARDING THIS STANDARD, CALL THE EL PASO ELECTRIC COMPANY DISTRIBUTION DESIGN DEPARTMENT.

ITEM	STOCK NO.	QTY	DESCRIPTION
1	017 – 292	27'	1/2" RIGID GALVANIZED CONDUIT
2	021 – 215	1	GROUND CLAMP
3	017 – 294	1	1" TO 1/2" REDUCER
4	017 – 295	1	1" FEMEL ADAPTER
5	017 – 297	1	1",90 DEG.,SCH. 40 PVC ELBOW
6	017 – 299		1", SCH. 40 PVC CONDUIT
7	017 – 298	1	1",45 DEG,SCH. 40 PVC ELBOW
8	017 – 296	1	1" SCH. 49 PVC COUPLING
9	026 – 830	1 ROLL	2" PLASTIC ELECTRICAL TAPE



1. THIS DEPTH MAY BE REDUCED TO 18" WITHIN THE EL PASO CITY LIMITS.
2. ILLUMINATION PLAN TO BE COORDINATED WITH THE TRAFFIC DEPARTMENT.

POLE RISER DETAIL
N.T.S.

AS-BUILT

BENCHMARK:

EXISTING CITY MONUMENT AT CENTERLINE INTERSECTION OF MAJESTIC RIDGE DR. AND EAGLE RIDGE DR.
ELEVATION = 4213.08
(CITY DATUM)

STATE OF TEXAS
GEORGES S. HALLOUL
92156
LICENSED PROFESSIONAL ENGINEER
6.9.07

DATE	REVISION DESCRIPTION	BY

SCALE: 1" = 100'
JOB No. 09-04-2170
FIELD BOOK
DESIGNED BY: ET
COMP. BY: ET
DRAWN BY: SRJ
CHECKED BY: ET
DATE: 08/02/05

TUSCANY AT RIDGEVIEW
EL PASO, EL PASO COUNTY, TEXAS
ILLUMINATION LAYOUT AND DETAILS

SLI ENGINEERING, INC.
CIVIL ENGINEERS * LAND SURVEYORS * LAND PLANNERS
6600 WESTWIND DR. – EL PASO, TEXAS – 79912 – (915) 584-4457

SHEET 13 OF 13

600830

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