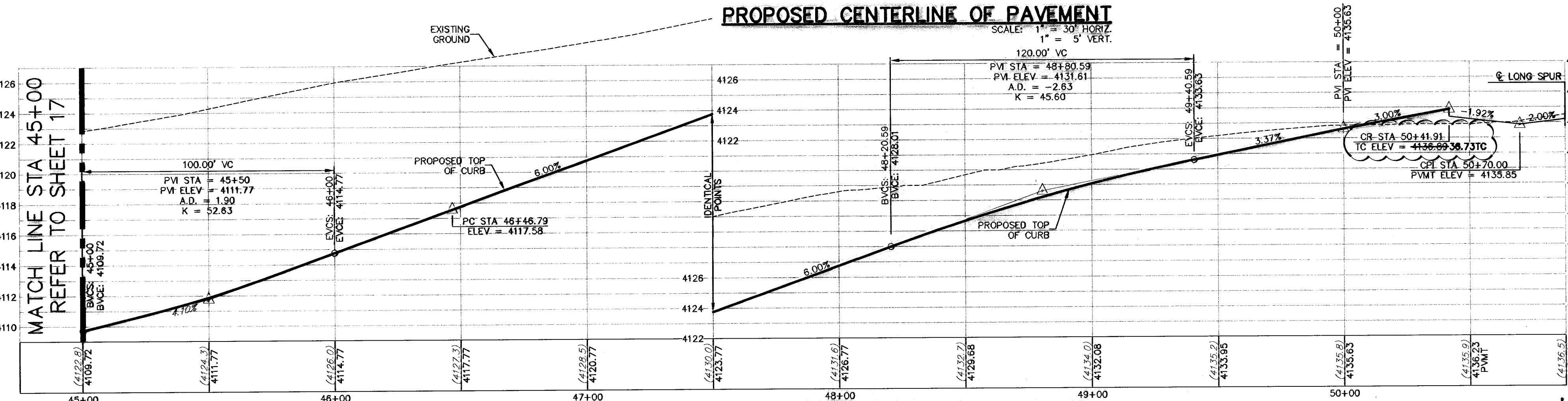
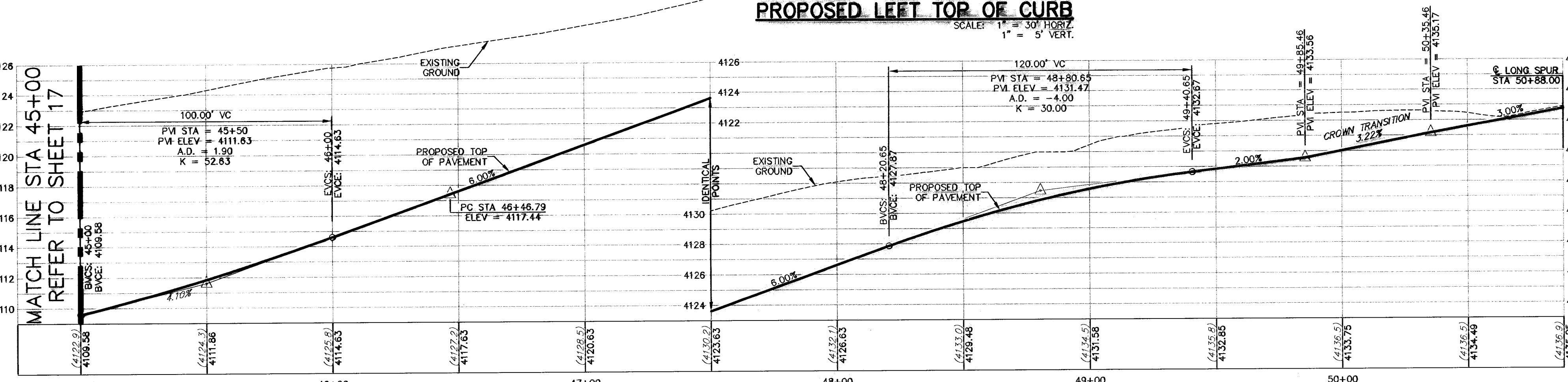
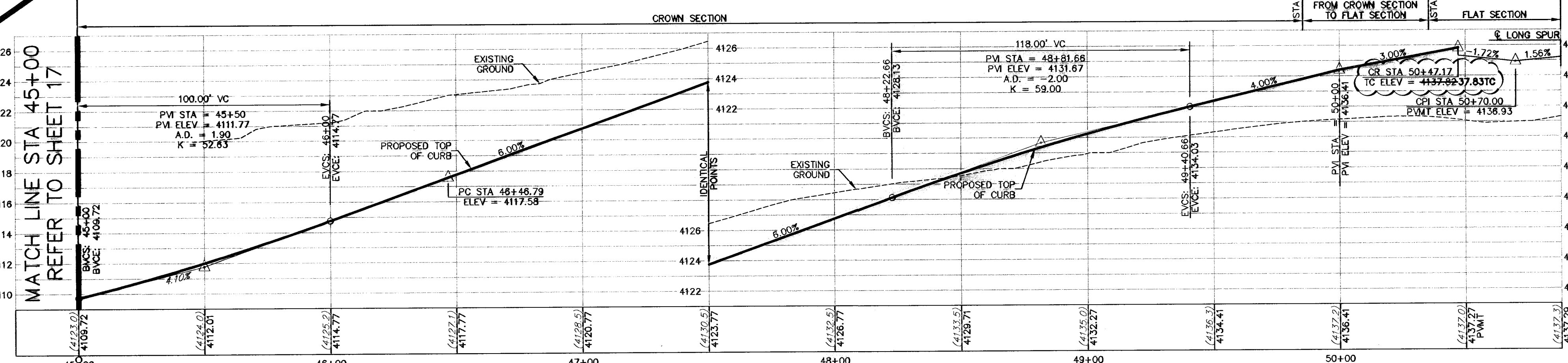


CURVE	RADIUS	LENGTH	TANGENT	CHORD	BEARING	DELTA
C54	282.00	365.35	213.39	340.33	N76°25'19"W	74°13'50"
C55	300.00	415.53	248.89	383.10	N73°51'25"W	79°21'37"
C56	318.00	428.06	247.04	390.18	N75°41'43"W	79°41'02"
C57	25.00	38.01	23.77	34.45	S80°37'25"E	87°08'23"
C58	25.00	41.23	27.05	38.72	N09°10'39"E	84°30'13"

ALL SIDEWALKS AND ACCESSIBLE RAMPS SHALL COMPLY WITH ADA AND TAS STANDARDS AND GUIDELINES

ALL ACCESSIBLE RAMPS WITHIN THE RIGHT-OF-WAY TO BE INSTALLED BY THE DEVELOPER



DENOTES AS-BUILT CONDITIONS

- LEGEND**
- LOT LINE
 - - - 4" ROLLED CURB
 - - - UTILITY EASEMENT
 - CENTER LINE OF STREET
 - STREET R.O.W.
 - SUBDIVISION BOUNDARY LINE
 - DRAINAGE RIGHT-OF-WAY
 - PROPOSED TOP OF FINISHED GRADES (PROFILE VIEW)
 - (3729.2) --- EXISTING GRADE (PROFILE)
 - TC=08.09 --- PROPOSED TOP OF CURB ELEVATION
 - PWMT=08.65 --- PROPOSED PAVEMENT ELEVATION
 - DIRECTION OF RUNOFF FLOW
 - ▲ HIGH POINT
 - ▼ LOW POINT
 - △ POINT OF VERTICAL INTERSECTION
 - 50' TRANSITION FROM CROWN TO FLAT PWMT
 - PROPOSED CITY MONUMENT SEE DETAIL SHEET 12
 - ACCESSIBLE RAMP SEE DETAIL SHEET 11
 - 5'x5' PASSING ZONE BY BUILDER
 - PARKWAY
 - 4' SIDEWALK (TP) BY BUILDER
 - R.O.W. SEE DETAIL SHEET 11

NO.	DATE	DESCRIPTION	BY
1	05-12-11	RECORD DRAWINGS	JCK
2	06-14-10	Revision to Channel, Loose Rock Rip-Off	FK
3	06-14-10	Swale Omited, Bk 2, Lots 1-5	JCK
4	02-07-10	Revisions to road wall detail	JCK
5	02-20-10	FINAL SUBMITTAL	JCK
6	01-26-10	2nd City Submittal	JCK
7	12-10-09	1st City Submittal	JCK

WARNING!
BEFORE YOU DIG
CONTRACTOR SHALL FIELD LOCATE ALL EXISTING UNDERGROUND UTILITIES AND IMPROVEMENTS IN THE PROJECT AREA

BEFORE YOU DIG - CALL
EL PASO ELECTRIC COMPANY
AT&T
TEXAS GAS SERVICE
EL PASO WATER UTILITIES (PWS)
AFTER HOURS EMERGENCY (EPMU)
THE WARNER (CABLE) COMPANY
EL PASO GAS COMPANY
TEXAS EXCAVATION SAFETY SYSTEM

RECORD DRAWING

John C. Karllsruher
Professional Engineer
No. 53878
State of Texas

csa design group, inc.
Texas Registered Engineers Firm E-600
1845 Northwood Dr. Ste C
El Paso, Texas 79912
Tel: (915) 877-4150
Fax: (915) 877-4834
www.csaengineers.com

CIMARRON SKY SUBDIVISION

SHEET TITLE

CAMINO DEL SOL PLAN & PROFILE

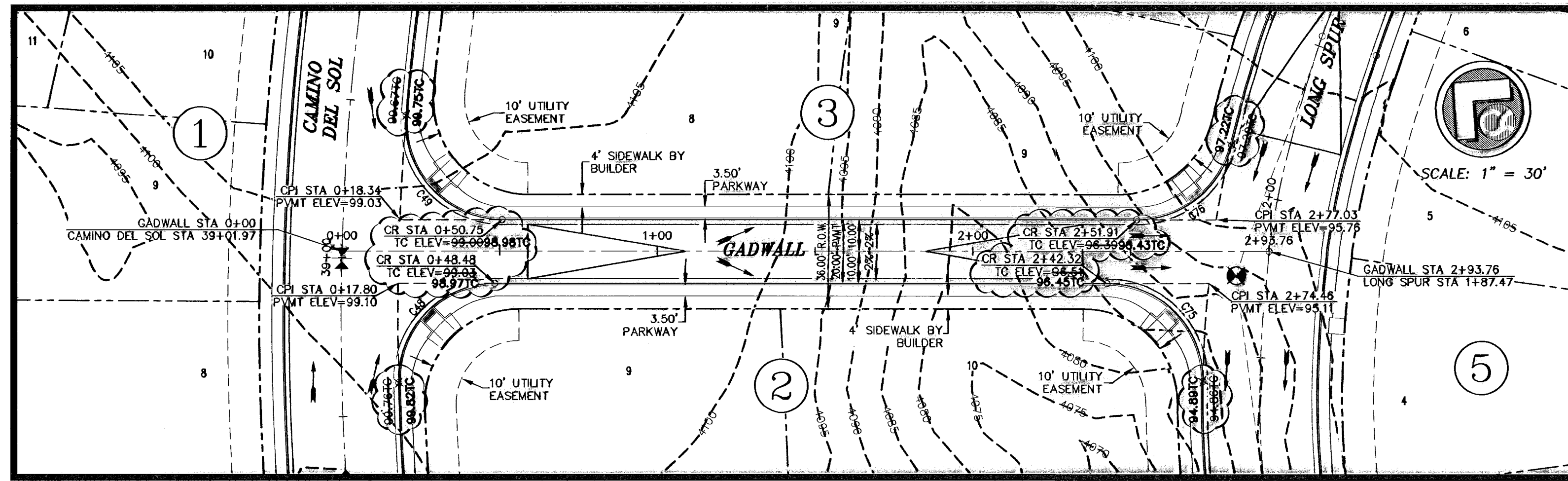
00B-SH	9011
00C-00B-SH	12/10/09
SA	AS NOTED
DATE	SCALE

SHEET NO.
18

OF
33

May 12, 2011 - 8:41 am
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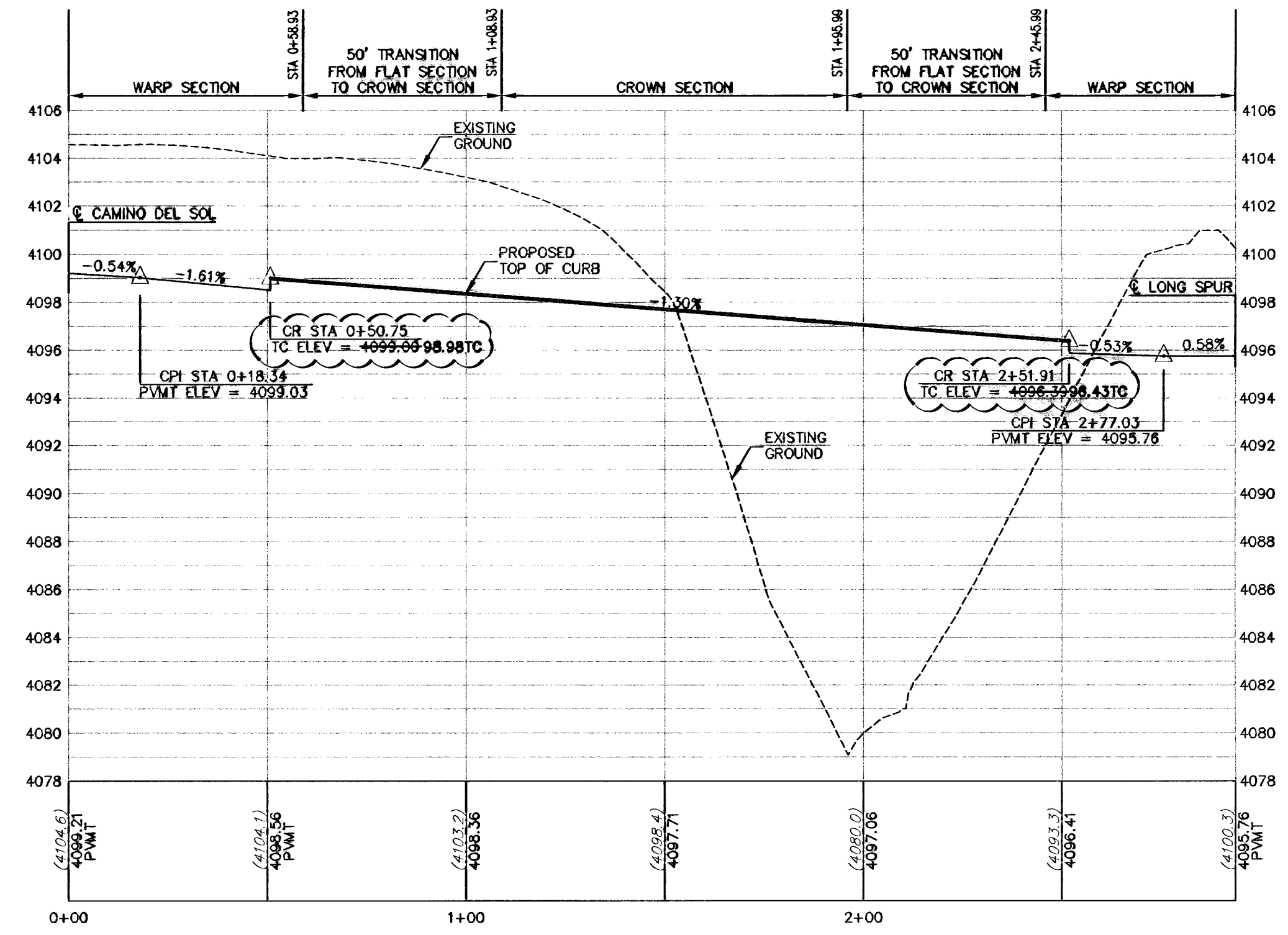
600824



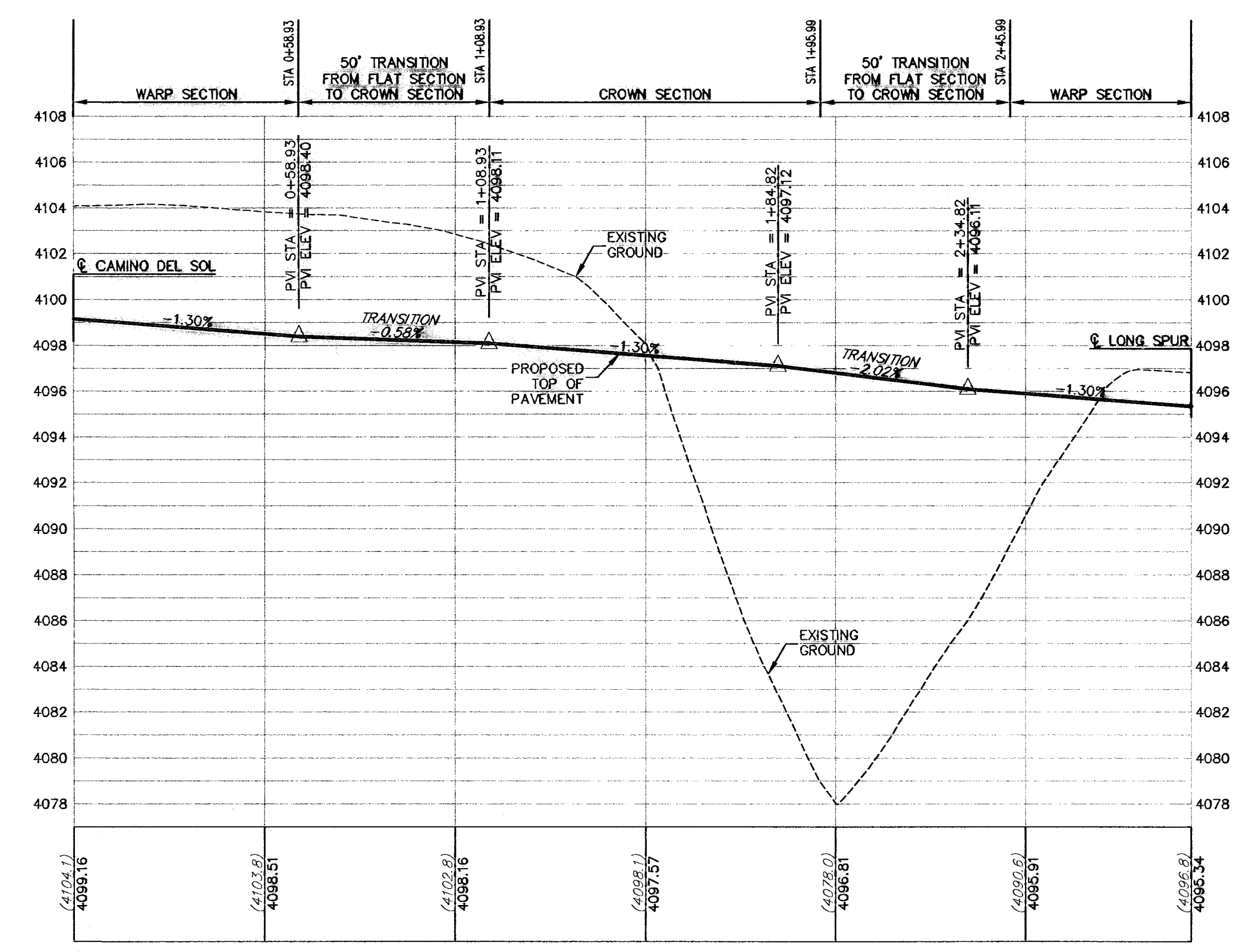
CURVE	RADIUS	LENGTH	TANGENT	CHORD	BEARING	DELTA
C48	30.50	43.70	31.30	43.69	N08°22'27"W	91°29'08"
C49	30.50	50.41	33.11	44.86	S08°42'59"W	94°41'43"
C75	30.50	48.18	30.77	43.32	N04°37'13"E	90°30'11"
C76	30.50	40.99	24.28	37.97	S79°07'40"E	78°59'33"

ALL SIDEWALKS AND ACCESSIBLE RAMPS SHALL COMPLY WITH ADA AND TAS STANDARDS AND GUIDELINES

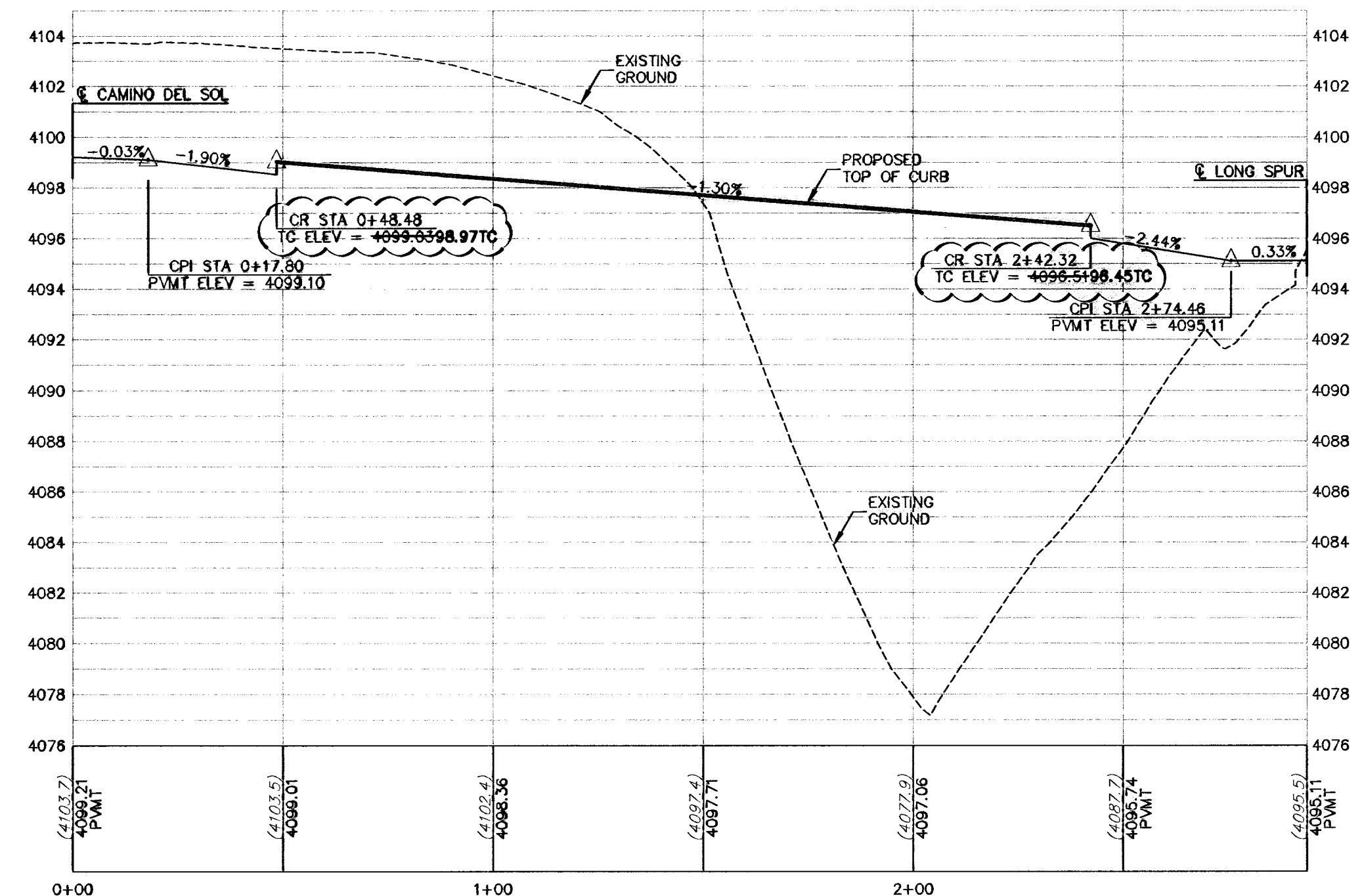
ALL ACCESSIBLE RAMPS WITHIN THE RIGHT-OF-WAY TO BE INSTALLED BY THE DEVELOPER



PROPOSED LEFT TOP OF CURB
SCALE: 1" = 30' HORIZ.
1" = 5' VERT.



PROPOSED CENTERLINE OF PAVEMENT
SCALE: 1" = 30' HORIZ.
1" = 5' VERT.



PROPOSED RIGHT TOP OF CURB
SCALE: 1" = 30' HORIZ.
1" = 5' VERT.

LEGEND

- LOT LINE
- - - 4" ROLLED CURB
- - - UTILITY EASEMENT
- CENTER LINE OF STREET
- STREET R.O.W.
- - - SUBDIVISION BOUNDARY LINE
- - - DRAINAGE RIGHT-OF-WAY
- 3728.85 PROPOSED TOP OF FINISHED GRADES (PROFILE VIEW)
- (3729.2) EXISTING GRADE (PROFILE)
- TC=08.09 PROPOSED TOP OF CURB ELEVATION
- PVMT=08.65 PROPOSED PAVEMENT ELEVATION
- DIRECTION OF RUNOFF FLOW
- ▲ HIGH POINT
- ▼ LOW POINT
- ▲ POINT OF VERTICAL INTERSECTION
- ▲ 50' TRANSITION FROM CROWN TO FLAT PVMT
- ▲ PROPOSED CITY MONUMENT SEE DETAIL SHEET 12
- ▲ ACCESSIBLE RAMP SEE DETAIL SHEET 11
- ▲ 5x5' PASSING ZONE BY BUILDER
- ▲ PARKWAY 4' SIDEWALK (TP) BY BUILDER
- ▲ SEE DETAIL SHEET 11

RECORD DRAWING

WARNING!
BEFORE YOU DIG
CONTRACTOR SHALL FIELD
LOCATE ALL EXISTING
UNDERGROUND UTILITIES IN
AND IMPROVEMENTS IN
THE PROJECT AREA

BEFORE YOU DIG - CALL
EL PASO ELECTRIC COMPANY
AT&T
EL PASO WATER UTILITIES (PSE)
EL PASO NATURAL GAS COMPANY
TEXAS EXCAVATION SAFETY SYSTEM

STATE OF TEXAS
REGISTERED PROFESSIONAL ENGINEER
JOHN C. KARLSRUHER
33878

CSA designgroup, inc.
Texas Registered Engineering Firm F-3887
1845 Northwestern Dr. Ste C
El Paso, Texas 79912
tel (915) 877-4155
fax (915) 877-4334
www.csaengineering.com

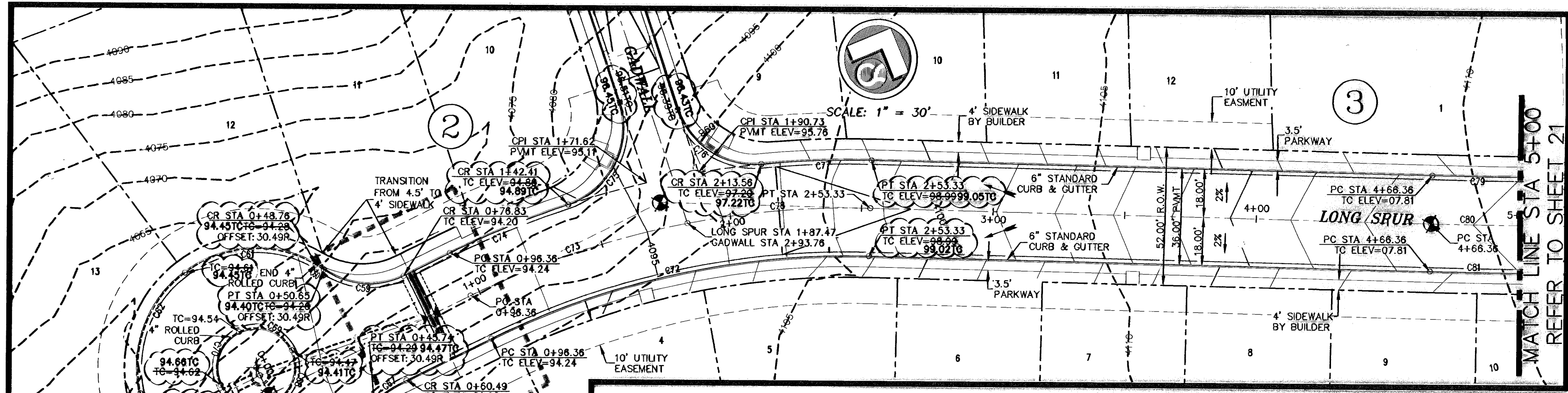
CIMARRON SKY SUBDIVISION
SHEET TITLE
GADWALL PLAN & PROFILE

COB-SH	9011
DC-COB-SH	12/10/09
SA	AS NOTED
CHECKED BY	SCALE

SHEET NO. **19**
OF **33**

600824

May 11, 2011 - 4:15pm
S:\Draw\0111_Corridor 2_Revised\0111_Ar_Bulk\0111RD_Sht 19 (Corridor) P&P.dwg
gpc

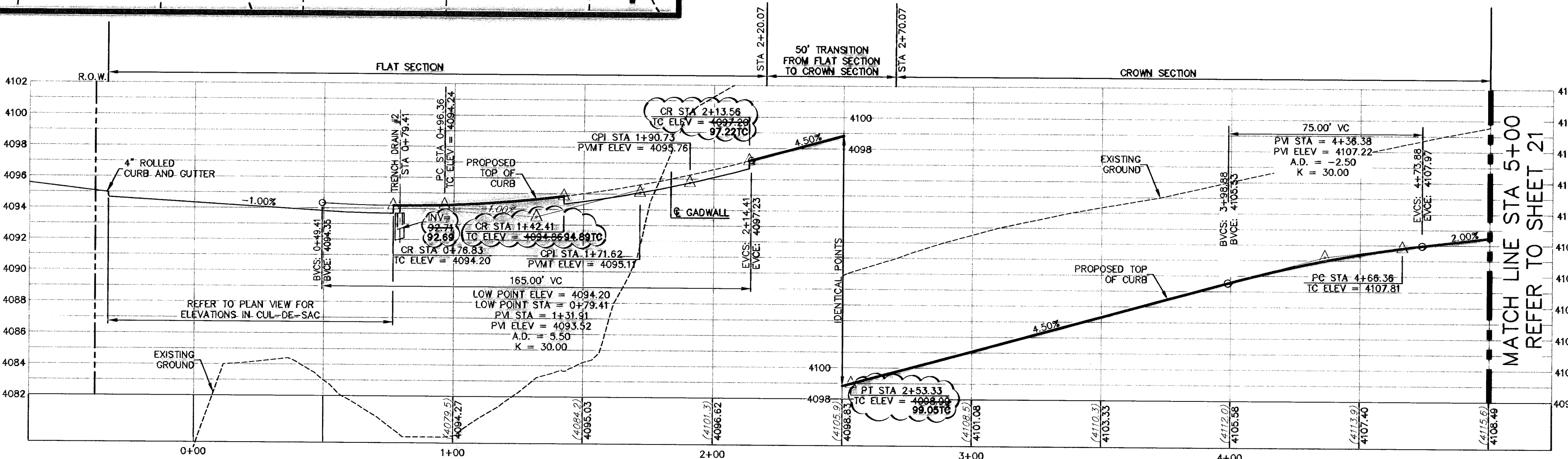


CURVE	RADIUS	LENGTH	TANGENT	CHORD	BEARING	DELTA
C59	30.00	31.82	17.59	30.35	N72°09'47"E	60°48'09"
C60	45.00	3.67	1.84	3.67	N79°47'21"W	4°40'25"
C61	45.00	52.69	29.83	49.73	S64°19'55"W	87°05'03"
C62	45.00	51.32	28.85	48.58	S01°52'44"E	85°20'14"
C63	45.00	27.49	14.19	27.07	N84°50'58"E	51°11'56"
C64	45.00	40.21	21.56	38.59	S52°02'58"E	50°00'14"
C65	45.00	43.30	23.49	41.65	N31°41'08"E	55°07'47"
C66	30.00	7.96	4.00	7.93	S11°43'05"W	15°11'45"
C67	30.00	11.76	5.98	11.69	S30°32'50"W	22°27'45"
C68	15.00	23.56	15.00	21.21	N03°02'14"W	90°00'00"
C69	15.00	23.56	15.00	21.21	S86°57'46"W	90°00'00"
C70	15.00	23.56	15.00	21.21	S03°02'14"E	90°00'00"
C71	15.00	23.56	15.00	21.21	N86°57'46"E	90°00'00"
C72	308.00	148.30	75.62	148.87	S55°34'21"W	27°35'17"
C73	328.00	87.11	43.81	86.85	S49°26'00"W	15°18'34"
C74	344.00	41.78	20.91	41.75	S45°15'28"W	6°57'30"
C75	30.50	48.18	30.77	43.32	N04°37'13"E	90°30'11"
C76	39.50	40.99	24.28	37.97	S79°07'40"E	78°59'35"
C77	344.00	38.59	18.31	38.58	S55°19'07"W	6°08'42"
C78	328.00	69.86	35.07	69.73	S53°13'39"W	12°18'44"
C79	2782.00	37.00	18.50	37.00	N68°59'09"E	0°45'43"
C80	2800.00	87.05	43.53	87.05	N68°28'34"E	1°48'53"
C81	2818.00	666.12	334.62	664.57	N62°35'42"E	13°32'37"

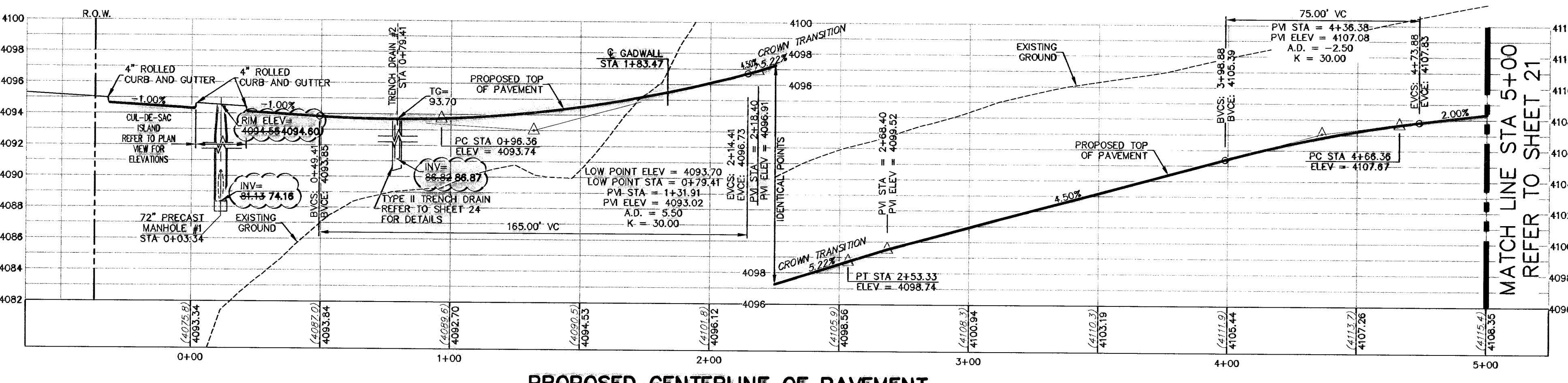
ALL SIDEWALKS AND ACCESSIBLE RAMPS SHALL COMPLY WITH ADA AND T&E STANDARDS AND GUIDELINES

ALL ACCESSIBLE RAMPS WITHIN THE RIGHT-OF-WAY TO BE INSTALLED BY THE DEVELOPER

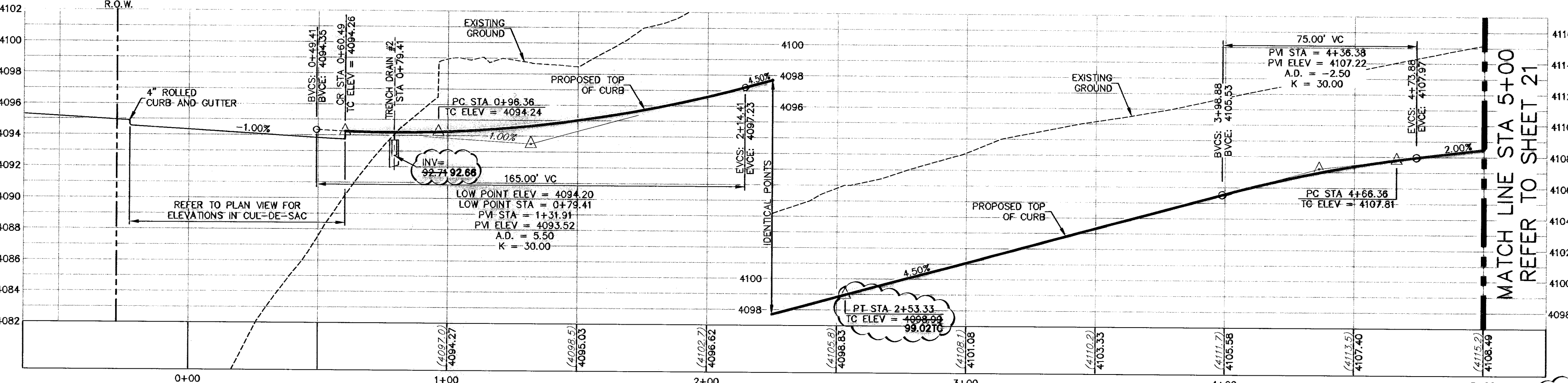
NOTE: MEDIAN TO BE LANDSCAPED AND MAINTAINED BY DEVELOPER PER CITY ORDINANCE. LANDSCAPE DESIGN FOR MEDIANS BY OTHERS UNDER SEPARATE COVER.



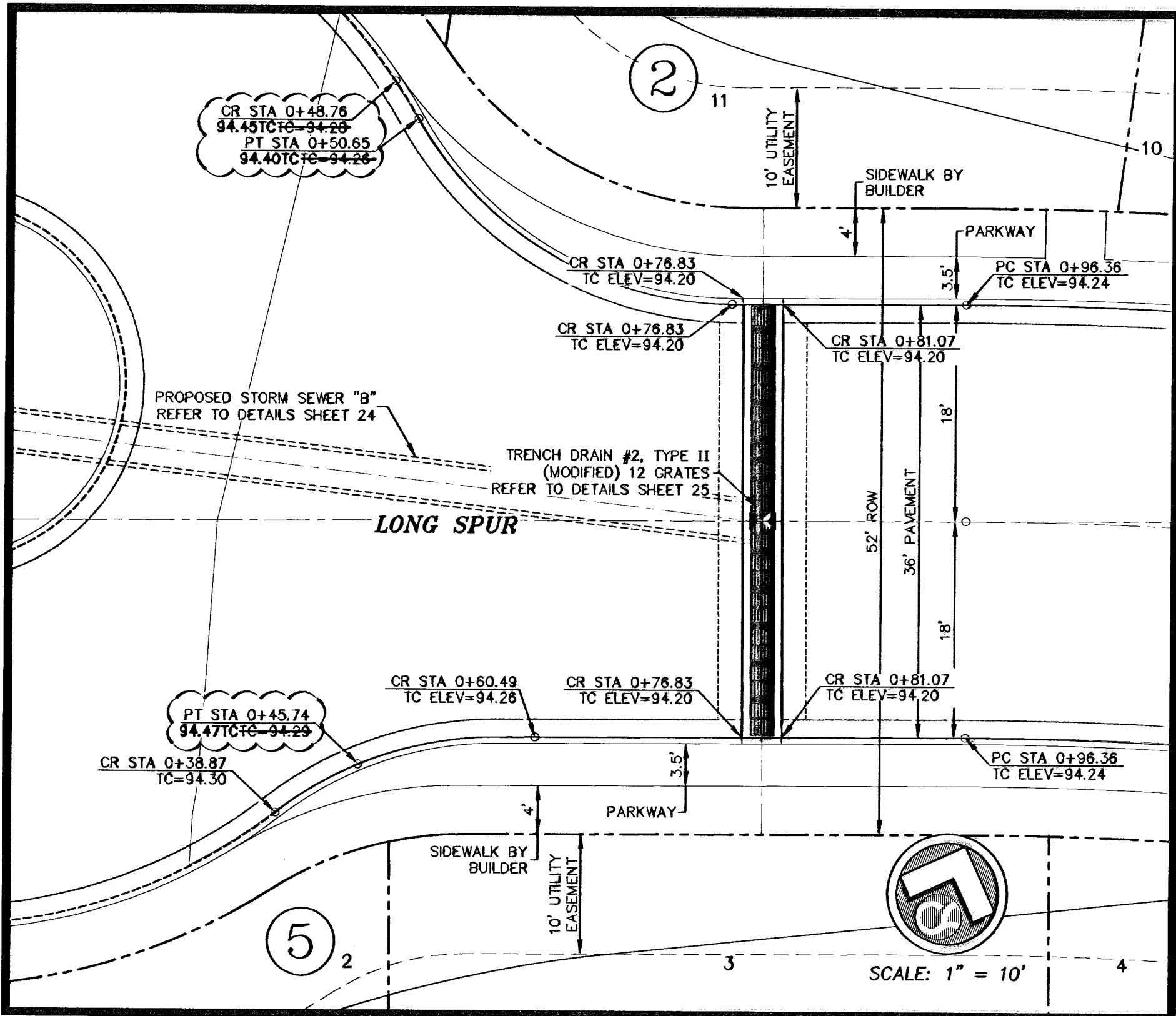
PROPOSED LEFT TOP OF CURB
SCALE: 1" = 30' HORIZ, 1" = 5' VERT.



PROPOSED CENTERLINE OF PAVEMENT
SCALE: 1" = 30' HORIZ, 1" = 5' VERT.



PROPOSED RIGHT TOP OF CURB
SCALE: 1" = 30' HORIZ, 1" = 5' VERT.



AT TRENCH DRAIN #2
ENLARGED DETAIL
SCALE: 1" = 10'

LEGEND	
--- LOT LINE	--- DIRECTION OF RUNOFF FLOW
- - - 4" ROLLED CURB	▲ HIGH POINT
- - - UTILITY EASEMENT	▼ LOW POINT
--- CENTER LINE OF STREET	△ POINT OF VERTICAL INTERSECTION
--- STREET R.O.W.	--- 50' TRANSITION FROM CROWN TO FLAT P.V.M.T.
--- SUBDIVISION BOUNDARY LINE	○ PROPOSED CITY MONUMENT SEE DETAIL SHEET 12
--- DRAINAGE RIGHT-OF-WAY	○ ACCESSIBLE RAMP SEE DETAIL SHEET 11
--- 3728.85 PROPOSED TOP OF FINISHED GRADES (PROFILE VIEW)	--- 5'x5' PARKWAY BY BUILDER
--- (3729.2) EXISTING GRADE (PROFILE)	--- 4' SIDEWALK (TYP) BY BUILDER
--- TC=08.09 PROPOSED TOP OF CURB ELEVATION	--- SEE DETAIL SHEET 11
--- P.V.M.T.=08.65 PROPOSED PAVEMENT ELEVATION	

WARNING!
BEFORE YOU DIG
CONTRACTOR SHALL FIELD LOCATE ALL EXISTING UNDERGROUND UTILITIES AND IMPROVEMENTS IN THE PROJECT AREA

BEFORE YOU DIG - CALL
EL PASO ELECTRIC COMPANY 545-5720
AT&T 1-800-DIG-TESS
EL PASO WATER UTILITIES (EPWU) 545-5720
EL PASO GAS SERVICE 1-800-DIG-TESS
EL PASO NATURAL GAS COMPANY 996-5775
EL PASO NATURAL GAS COMPANY 1-800-DIG-TESS
TEXAS EXCAVATION SAFETY SYSTEM 1-800-DIG-TESS (944-5377)

DESIGN INFORMATION OBTAINED FROM THE CITY OF EL PASO. THE CITY OF EL PASO IS NOT RESPONSIBLE FOR THE ACCURACY OF THE INFORMATION PROVIDED BY OTHERS AND CONTAINED HEREIN IS NOT WARRANTED BY THE CONSULTANT OR ITS ENGINEERS.

NO.	DATE	DESCRIPTION	BY
1	05-12-11	RECORD DRAWINGS	JCK
2	05-12-11	Revised to show 12' ADA and T&E	JCK
3	02-07-10	Show 12' ADA and T&E	JCK
4	02-26-10	Revisions to rock wall detail	JCK
5	02-26-10	FINAL SUBMITTAL	JCK
6	01-26-10	2nd City Submittal	JCK
7	12-10-09	1st City Submittal	JCK

RECORD DRAWING

CSA design group, inc.
Texas Registered Engineering Firm - F-6697
1845 Northwestern Dr. Ste C
El Paso, Texas 79912
tel (915) 877-4155
fax (915) 877-4334
www.csadesigngroup.com

STATE OF TEXAS
Professional Engineer
JOHN C. KARLSRUHER
53878

CIMARRON SKY SUBDIVISION

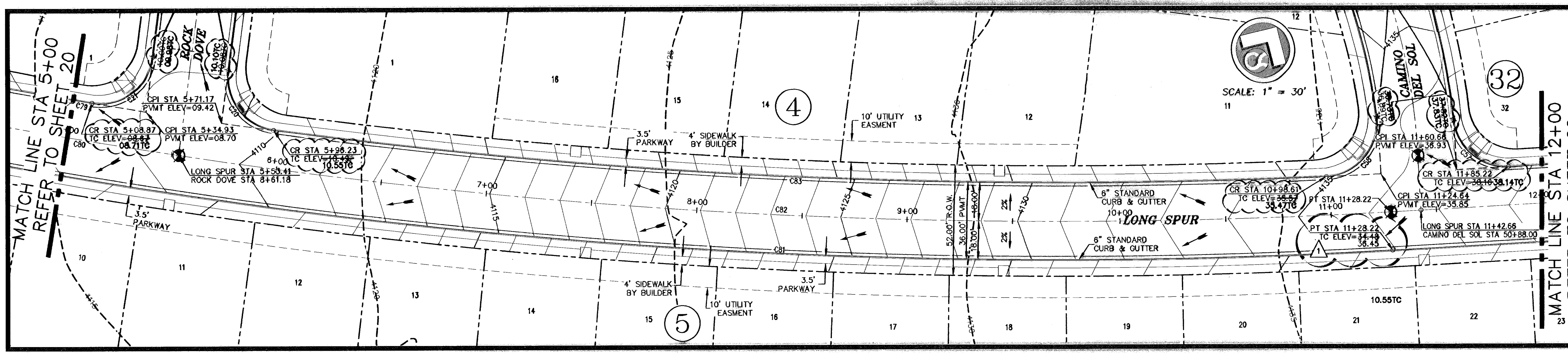
SHEET TITLE
LONGSPUR PLAN & PROFILE

NO.	DATE	DESCRIPTION	BY
00B-SH		28 ME	9011
00C-COB-SH		12/10/09	28 ME
00B-SH		28 ME	9011
00C-COB-SH		12/10/09	28 ME
SA		AS NOTED	
00B-SH		28 ME	9011
00C-COB-SH		12/10/09	28 ME

600824
DENOTES AS-BUILT CONDITIONS

20
33

Aug 11, 2011 - 4:22pm
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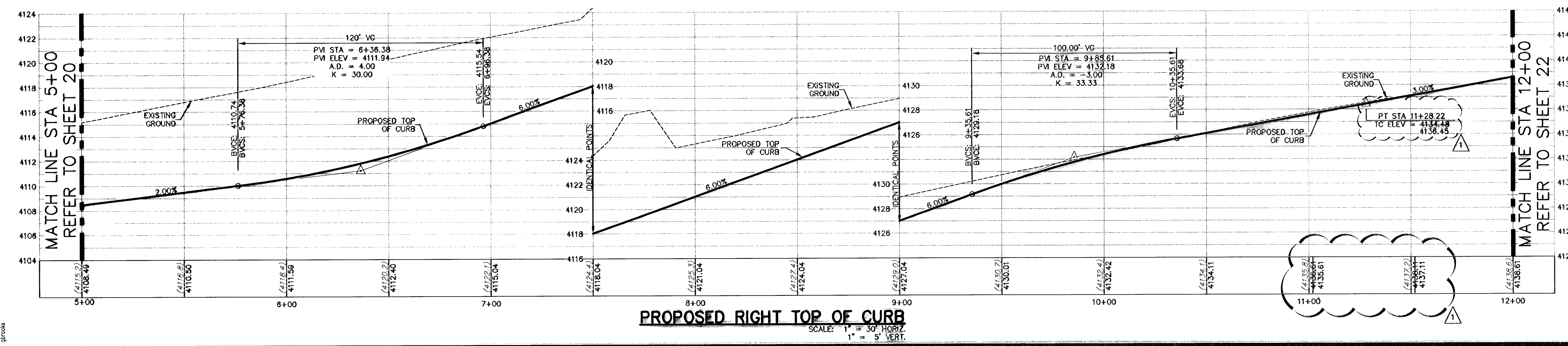
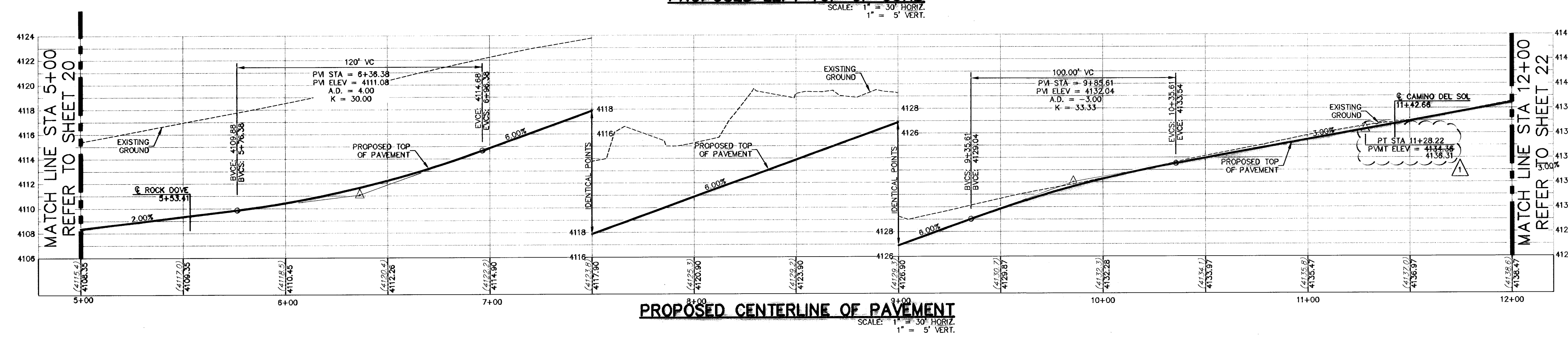
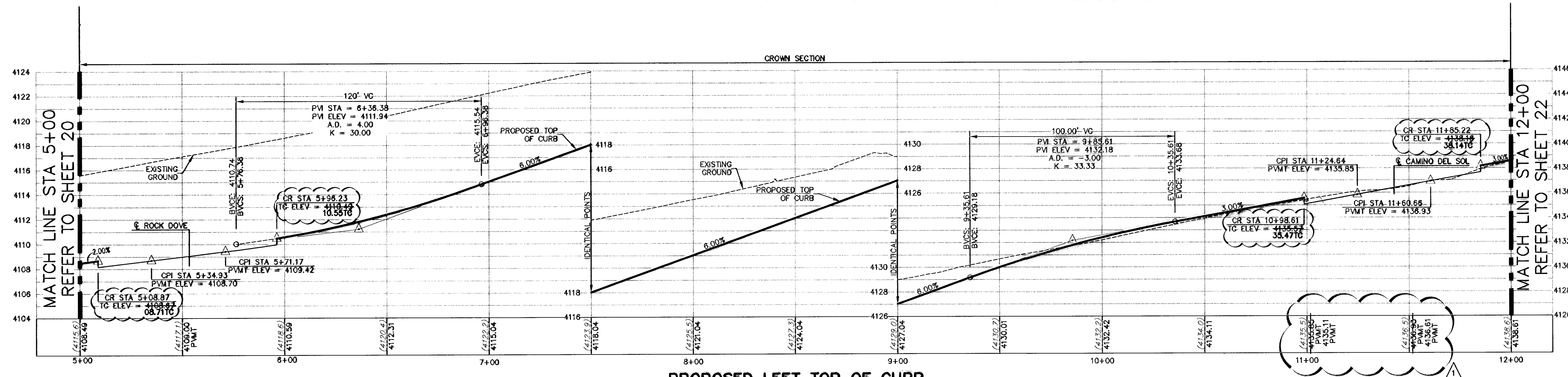


CURVE TABLE

CURVE	RADIUS	LENGTH	TANGENT	CHORD	BEARING	DELTA
C20	25.00	39.16	24.89	35.28	S68°24'50"E	89°45'13"
C21	25.00	40.16	25.90	35.98	N22°28'48"E	92°02'03"
C57	25.00	38.01	23.77	34.45	S50°37'25"E	87°08'23"
C58	25.00	41.23	27.05	38.72	N09°10'39"E	0°43'41"
C79	2782.00	37.00	18.50	37.00	N68°59'09"E	0°43'41"
C80	2800.00	87.05	43.53	87.05	N68°28'34"E	1°48'53"
C81	2818.00	668.12	334.62	664.57	N62°35'42"E	1°32'37"
C82	2800.00	574.81	288.42	573.80	N61°42'18"E	11°45'44"
C83	2782.00	488.59	244.93	487.98	N61°34'28"E	10°03'45"

ALL SIDEWALKS AND ACCESSIBLE RAMPS SHALL COMPLY WITH ADA AND T&S STANDARDS AND GUIDELINES

ALL ACCESSIBLE RAMPS WITHIN THE RIGHT-OF-WAY TO BE INSTALLED BY THE DEVELOPER



- LEGEND**
- LOT LINE
 - - - 4" ROLLED CURB
 - - - UTILITY EASEMENT
 - CENTER LINE OF STREET
 - STREET R.O.W.
 - SUBDIVISION BOUNDARY LINE
 - - - DRAINAGE RIGHT-OF-WAY
 - 3728.85 --- PROPOSED TOP OF FINISHED GRADES (PROFILE VIEW)
 - (3729.2) --- EXISTING GRADE (PROFILE)
 - TC=08.09 --- PROPOSED TOP OF CURB ELEVATION
 - PVMT=08.65 --- PROPOSED PAVEMENT ELEVATION
 - DIRECTION OF RUNOFF FLOW
 - ▲ HIGH POINT
 - ▼ LOW POINT
 - △ POINT OF VERTICAL INTERSECTION
 - △ 50' TRANSITION FROM CROWN TO FLAT PVMT
 - ⊙ PROPOSED CITY MONUMENT SEE DETAIL SHEET 12

RECORD DRAWING

NO.	DATE	DESCRIPTION	BY
1	01-28-10	2nd CITY SUBMITTAL	JCK
2	01-28-10	1st CITY SUBMITTAL	JCK
3	02-26-10	FORWARD TO SDG	JCK
4	02-26-10	FORWARD TO SDG	JCK
5	02-26-10	FORWARD TO SDG	JCK
6	02-26-10	FORWARD TO SDG	JCK
7	05-12-11	RECORD DRAWINGS	JCK

WARNING!
BEFORE YOU DIG
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BEFORE YOU DIG - CALL
EL PASO ELECTRIC COMPANY
1-800-426-7855
544-6800
963-3411/692-2008
963-3411/692-2008
544-6800
772-7414
544-6800
1-800-394-5877
1-800-394-5877

RECORD DRAWING

STATE OF TEXAS
REGISTERED PROFESSIONAL ENGINEER
JOHN C. KARLSRUHER
53878

csa design group, inc.
Texas Registered Engineering Firm - F-6074
1645 Northwestern Dr. Ste C
El Paso, Texas 79912
Tel: (915) 877-4155
Fax: (915) 877-4334
www.csaengineers.com

CIMARRON SKY SUBDIVISION

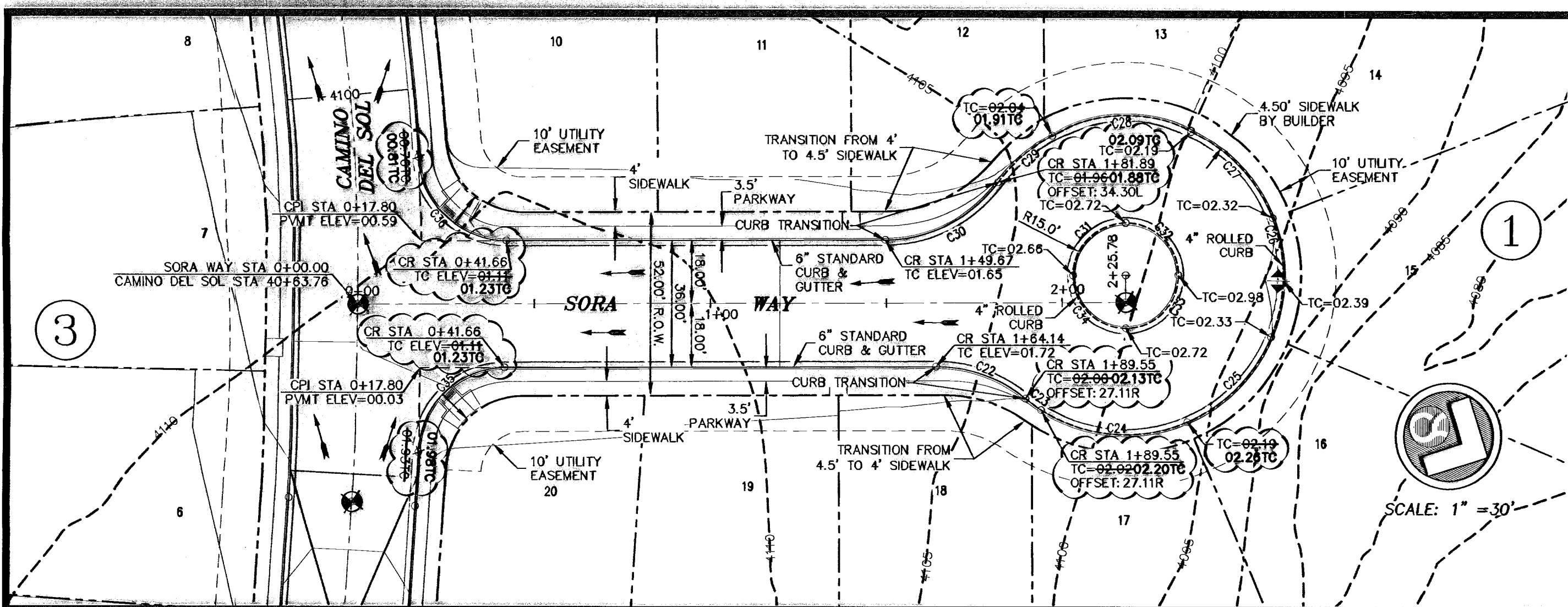
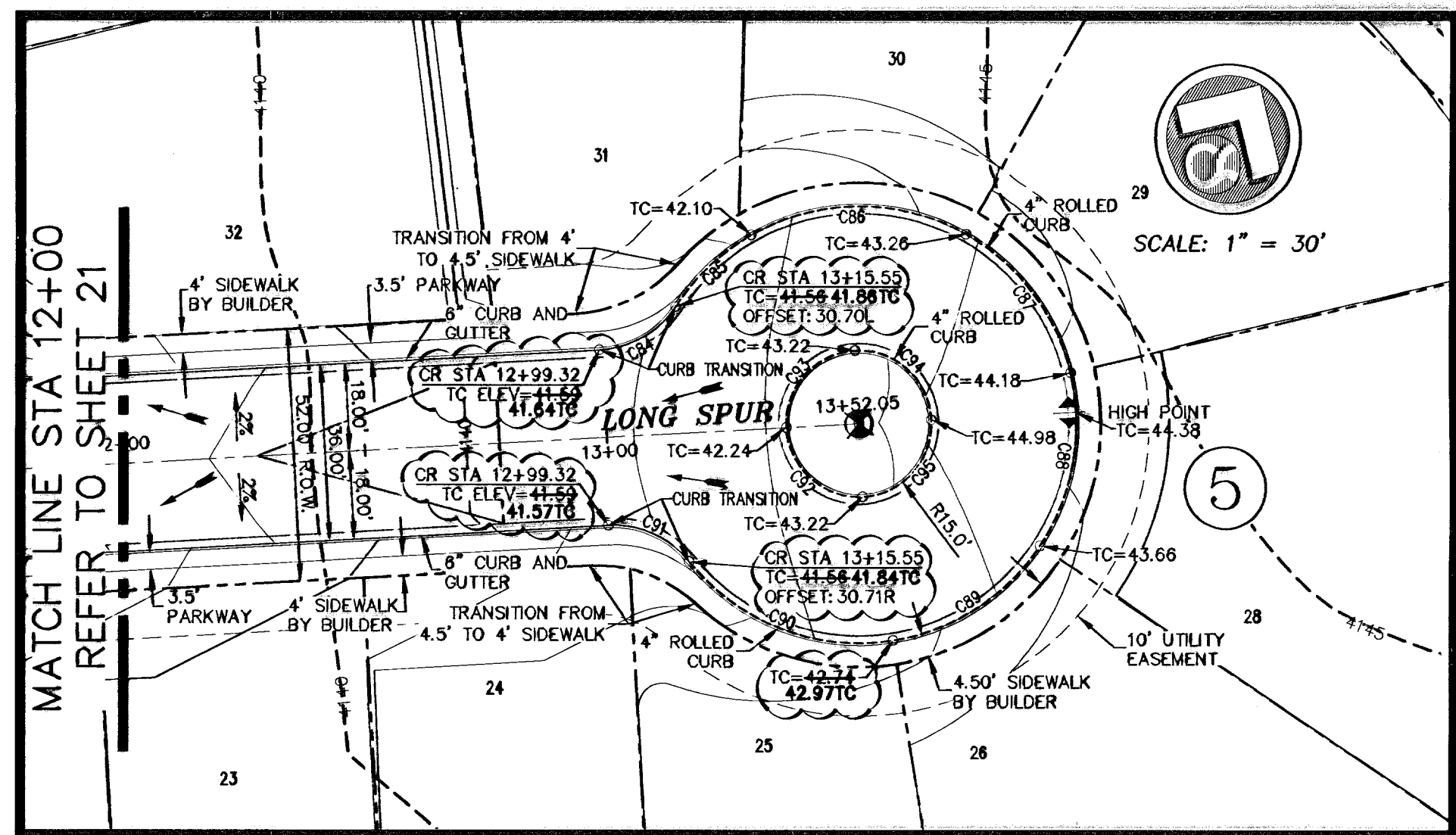
SHEET TITLE
LONGSPUR PLAN & PROFILE

008-SH	2011
008-SH	12/10/09
008-SH	AS NOTED
008-SH	NOTED

REVISION 06/01/10
600824

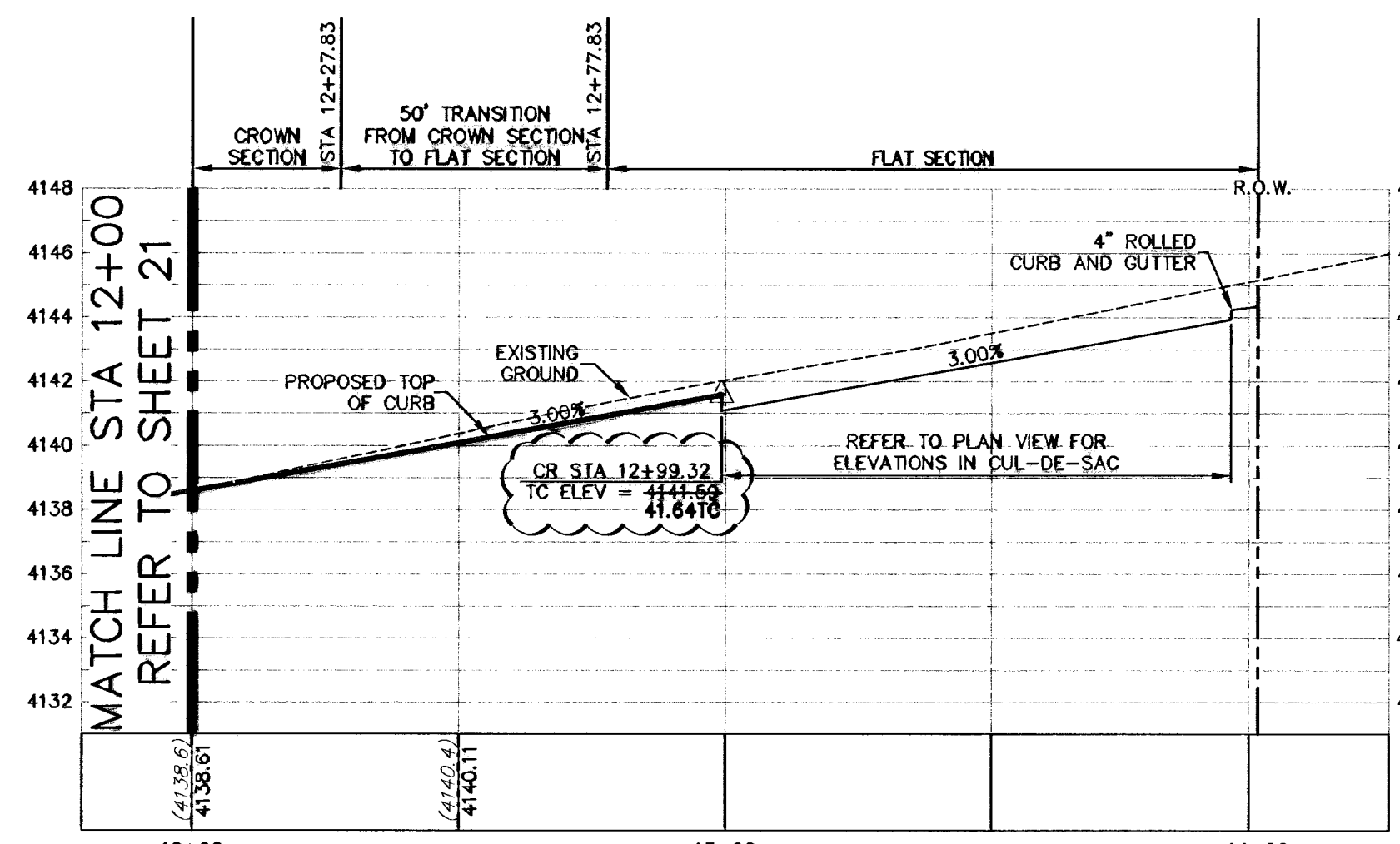
SHEET NO. 21 OF 33

May 11, 2011 - 4:15pm
1645 Northwestern Dr. Ste C
El Paso, Texas 79912

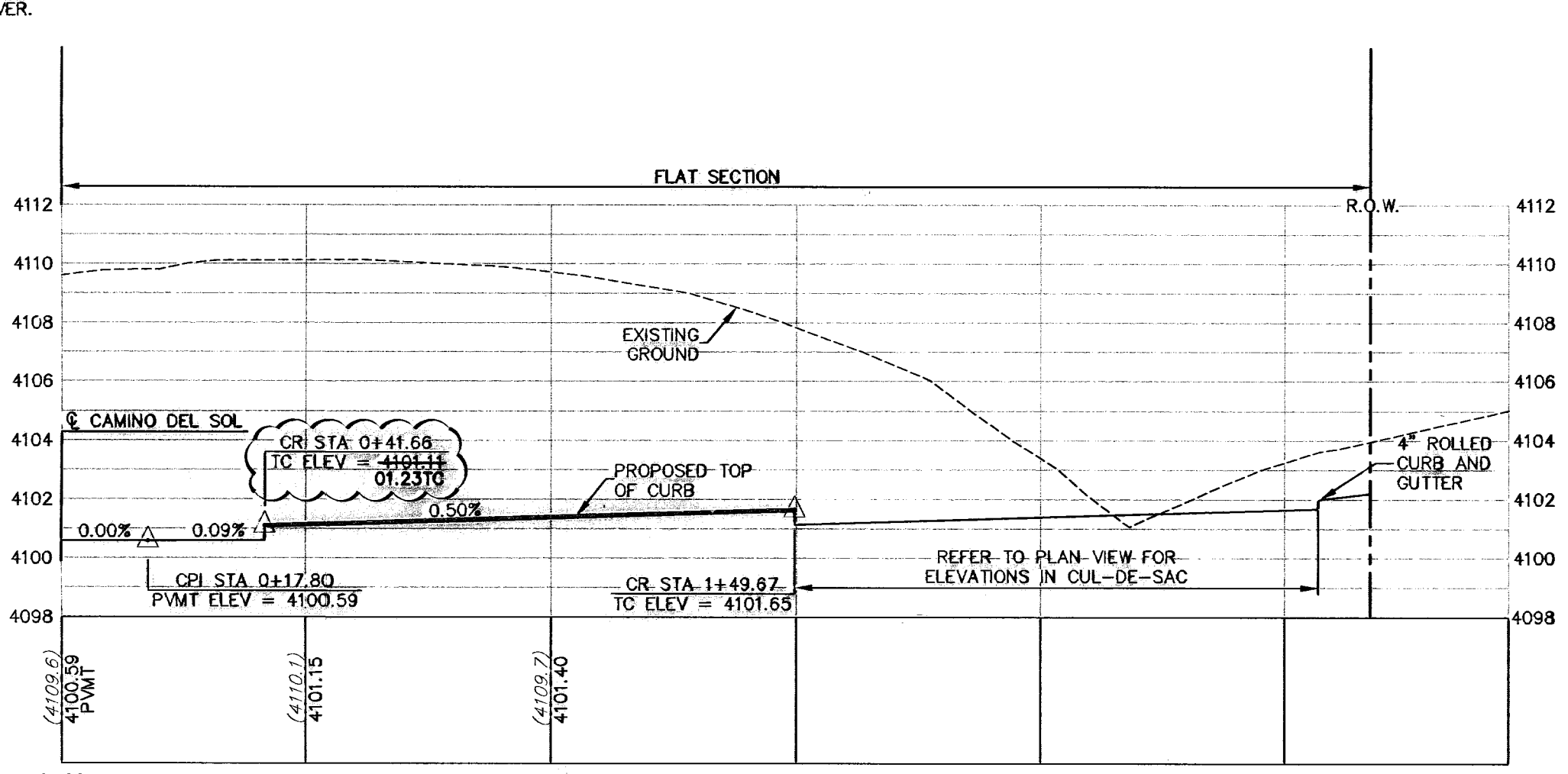


NOTE: MEDIAN TO BE LANDSCAPED AND MAINTAINED BY DEVELOPER PER CITY ORDINANCE. LANDSCAPE DESIGN FOR MEDIANS BY OTHERS UNDER SEPARATE COVER.

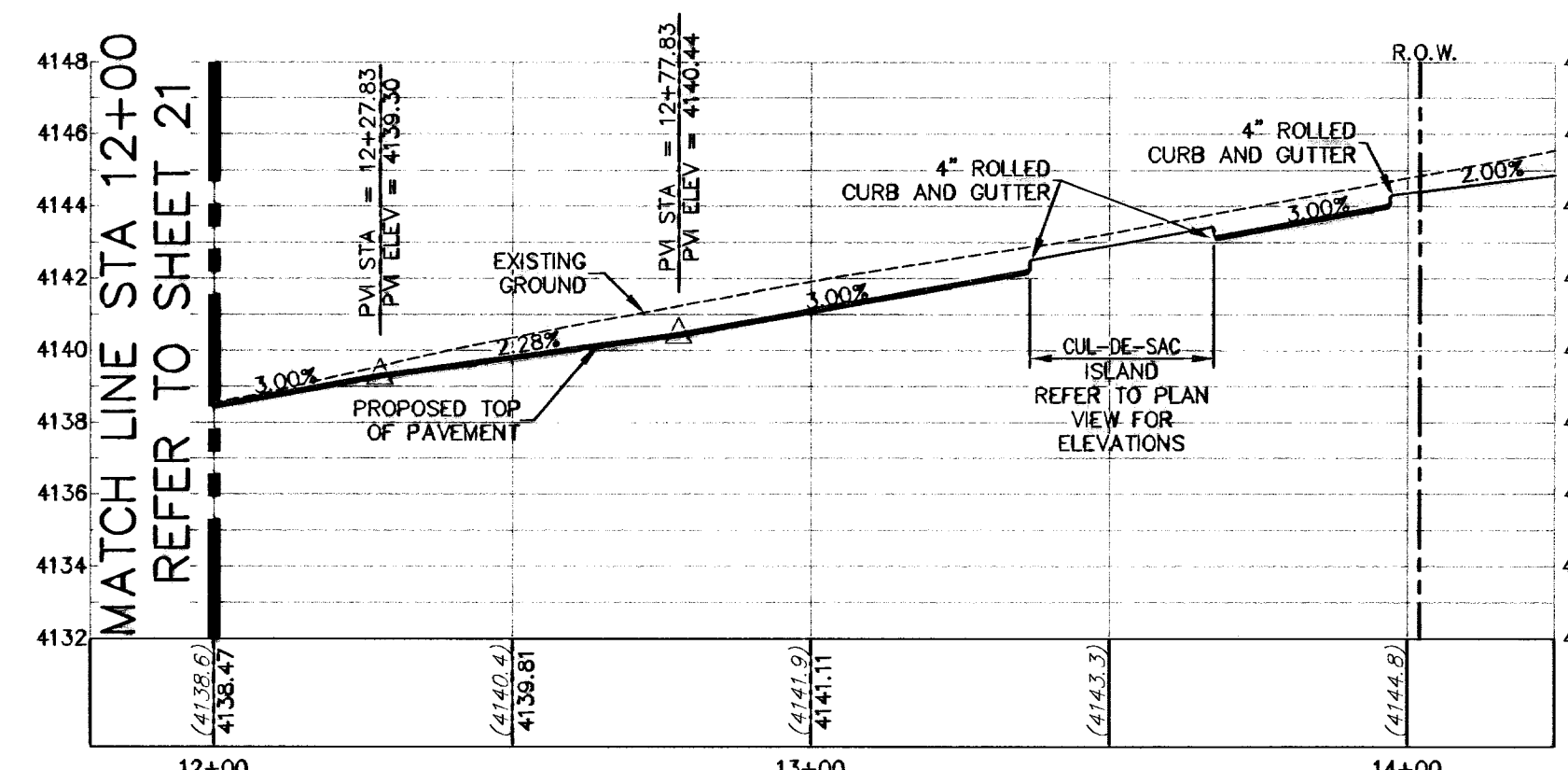
CURVE	RADIUS	LENGTH	TANGENT	CHORD	BEARING	DELTA
C22	40.00	27.54	14.34	27.00	S07°48'59"E	39°28'42"
C23	45.00	5.51	2.76	5.51	N08°23'52"E	7°01'01"
C24	45.00	43.37	23.54	41.71	N22°43'15"W	55°13'13"
C25	45.00	34.71	18.27	33.86	N72°29'50"W	44°11'59"
C26	45.00	34.71	18.27	33.86	S83°22'11"W	44°11'59"
C27	45.00	34.71	18.27	33.86	S19°10'3"W	44°11'59"
C28	45.00	41.01	22.06	39.61	S29°02'25"E	52°13'17"
C29	45.00	20.46	10.41	20.29	S88°10'43"E	28°03'19"
C30	40.00	37.47	20.24	36.11	N54°22'21"W	53°40'03"
C31	15.00	23.55	14.99	21.20	S72°33'49"E	89°57'02"
C32	15.00	23.57	15.01	21.22	S17°28'11"W	90°02'58"
C33	15.00	23.57	15.01	21.22	N72°59'50"W	90°02'58"
C34	15.00	23.55	14.99	21.20	N17°29'10"E	89°57'02"
C35	25.00	37.75	23.52	34.26	S71°21'39"E	86°30'23"
C36	25.00	37.99	23.78	34.44	N15°58'58"E	87°04'34"
C84	20.00	18.93	10.24	18.23	N28°42'40"E	54°13'27"
C85	45.00	21.68	11.05	21.47	S15°23'58"W	27°38'03"
C86	45.00	46.48	23.54	44.42	S58°48'31"W	59°09'03"
C87	45.00	37.04	19.64	36.00	N69°01'19"W	47°09'23"
C88	45.00	37.04	19.64	36.00	N20°54'53"W	47°09'23"
C89	45.00	36.86	19.53	35.84	N26°21'16"E	46°55'50"
C90	45.00	47.30	26.10	45.15	N79°58'01"E	60°13'39"
C91	20.00	18.93	10.24	18.23	S82°58'07"W	54°13'27"
C92	15.00	23.56	15.00	21.21	S19°49'24"W	90°00'00"
C93	15.00	23.56	15.00	21.21	N29°10'38"W	90°00'00"
C94	15.00	23.56	15.00	21.21	N10°49'24"E	90°00'00"
C95	15.00	23.56	15.00	21.21	N10°49'24"E	90°00'00"



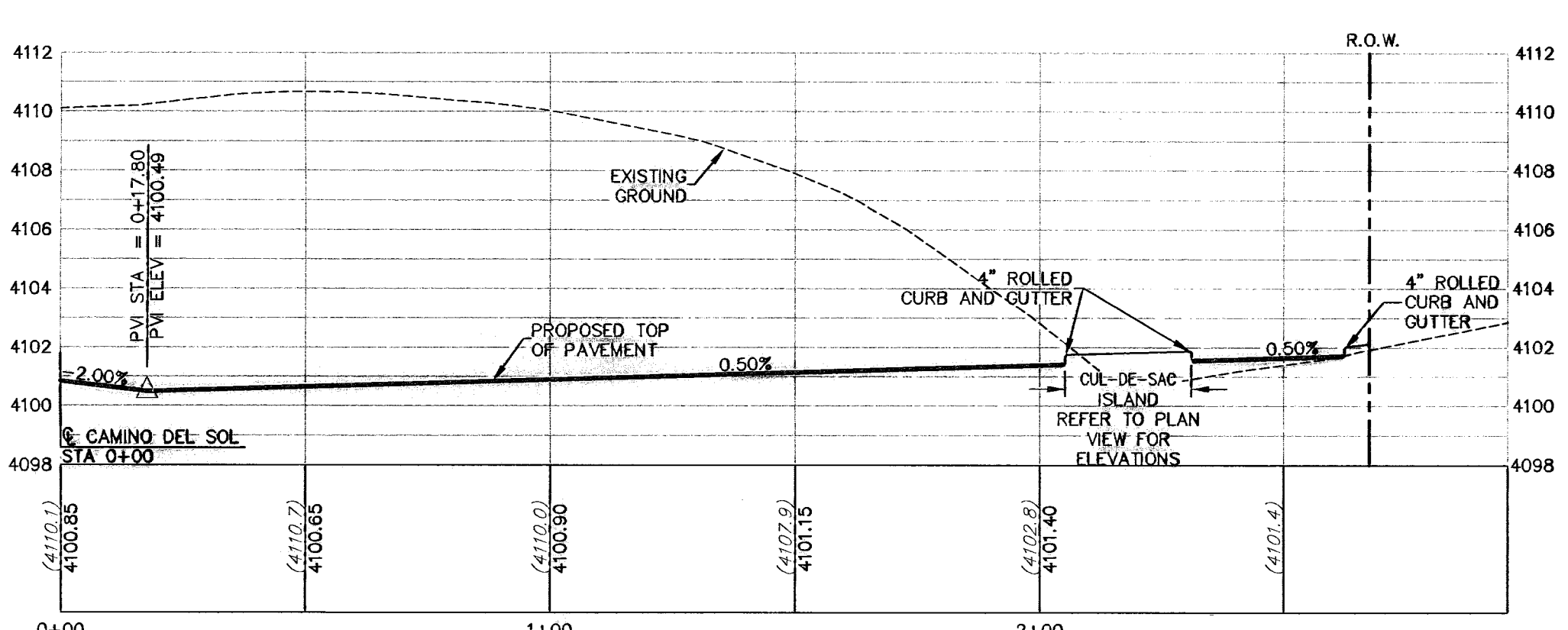
PROPOSED LEFT TOP OF CURB
SCALE: 1" = 30' HORIZ.
1" = 5' VERT.



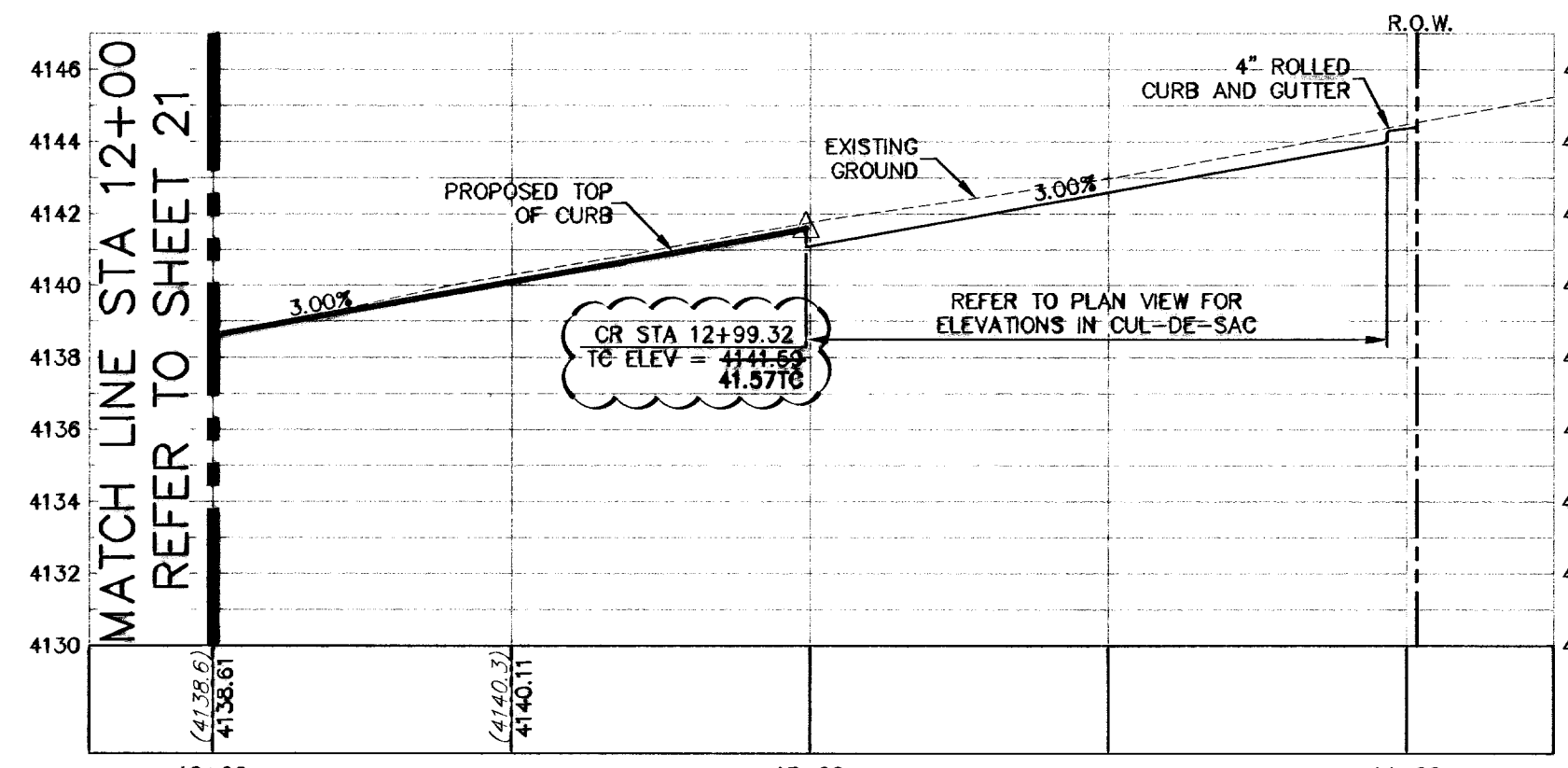
PROPOSED LEFT TOP OF CURB
SCALE: 1" = 30' HORIZ.
1" = 5' VERT.



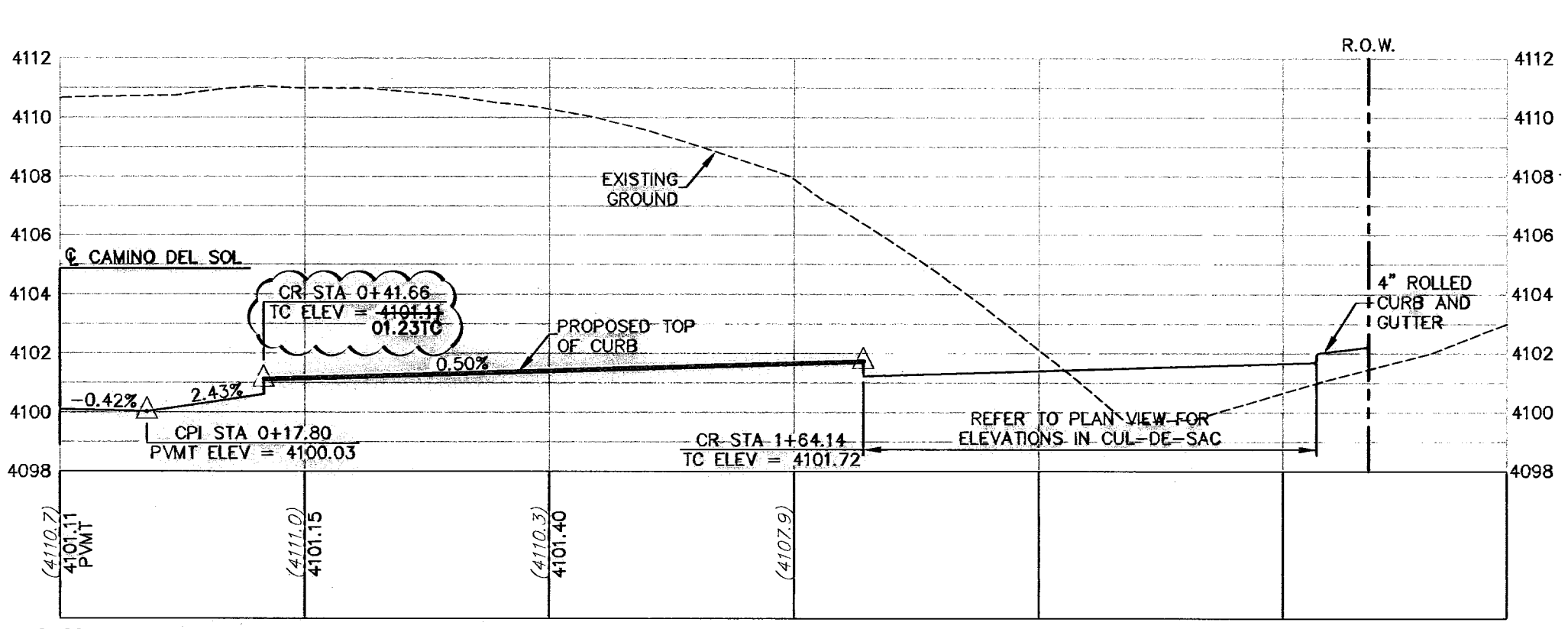
PROPOSED CENTERLINE OF PAVEMENT
SCALE: 1" = 30' HORIZ.
1" = 5' VERT.



PROPOSED CENTERLINE OF PAVEMENT
SCALE: 1" = 30' HORIZ.
1" = 5' VERT.



PROPOSED RIGHT TOP OF CURB
SCALE: 1" = 30' HORIZ.
1" = 5' VERT.



PROPOSED RIGHT TOP OF CURB
SCALE: 1" = 30' HORIZ.
1" = 5' VERT.

ALL SIDEWALKS AND ACCESSIBLE RAMPS SHALL COMPLY WITH ADA AND T&S STANDARDS AND GUIDELINES

ALL ACCESSIBLE RAMPS WITHIN THE RIGHT-OF-WAY TO BE INSTALLED BY THE DEVELOPER

LEGEND

- LOT LINE
- 4" ROLLED CURB
- UTILITY EASEMENT
- CENTER LINE OF STREET
- STREET R.O.W.
- SUBDIVISION BOUNDARY LINE
- DRAINAGE RIGHT-OF-WAY
- PROPOSED TOP OF FINISHED GRADES (PROFILE VIEW)
- (3729.2) EXISTING GRADE (PROFILE)
- TC=08.09 PROPOSED TOP OF CURB ELEVATION
- PWMT=08.65 PROPOSED PAVEMENT ELEVATION
- DIRECTION OF RUNOFF FLOW
- HIGH POINT
- LOW POINT
- POINT OF VERTICAL INTERSECTION
- 50' TRANSITION FROM CROWN TO FLAT PWMT
- PROPOSED CITY MONUMENT SEE DETAIL SHEET 12

RECORD DRAWING

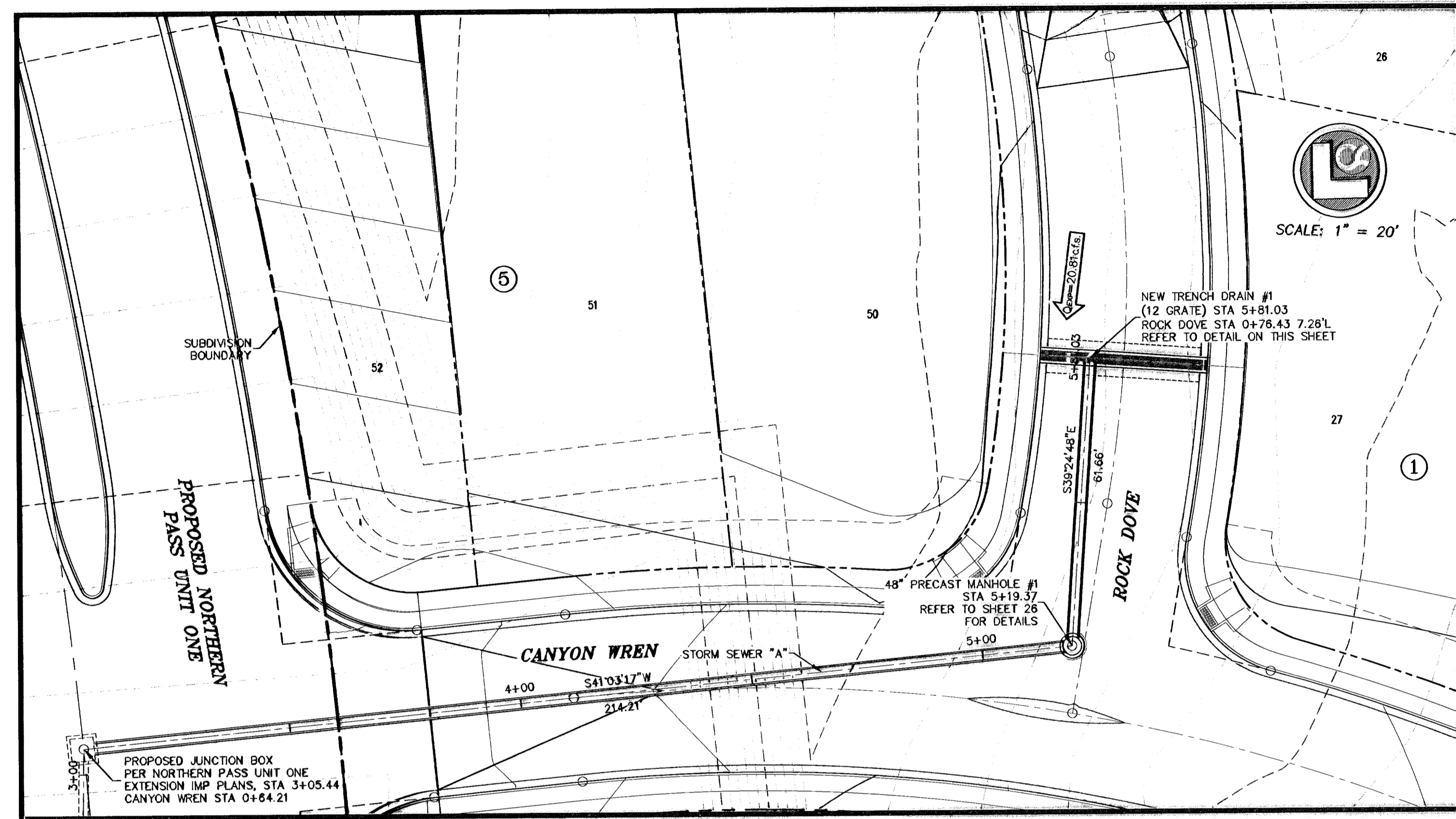
John C. Karllsruher
Professional Engineer
No. 53878
State of Texas
El Paso, Texas
www.csaengineers.com

CIMARRON SKY SUBDIVISION
SHEET TITLE
LONGSPUR & SORA WAY PLAN & PROFILE
CDB-SH 9011
DC-008-SH 12/10/09
SA AS NOTED
CHECKED BY
DATE
BY
DESCRIPTION
RECORD DRAWINGS
7 05-12-11
8 05-15-10
9 05-15-10
10 05-15-10
11 05-15-10
12 05-15-10
13 05-15-10
14 05-15-10
15 05-15-10
16 05-15-10
17 05-15-10
18 05-15-10
19 05-15-10
20 05-15-10
21 05-15-10
22 05-15-10
23 05-15-10
24 05-15-10
25 05-15-10
26 05-15-10
27 05-15-10
28 05-15-10
29 05-15-10
30 05-15-10
31 05-15-10
32 05-15-10
33 05-15-10

600824

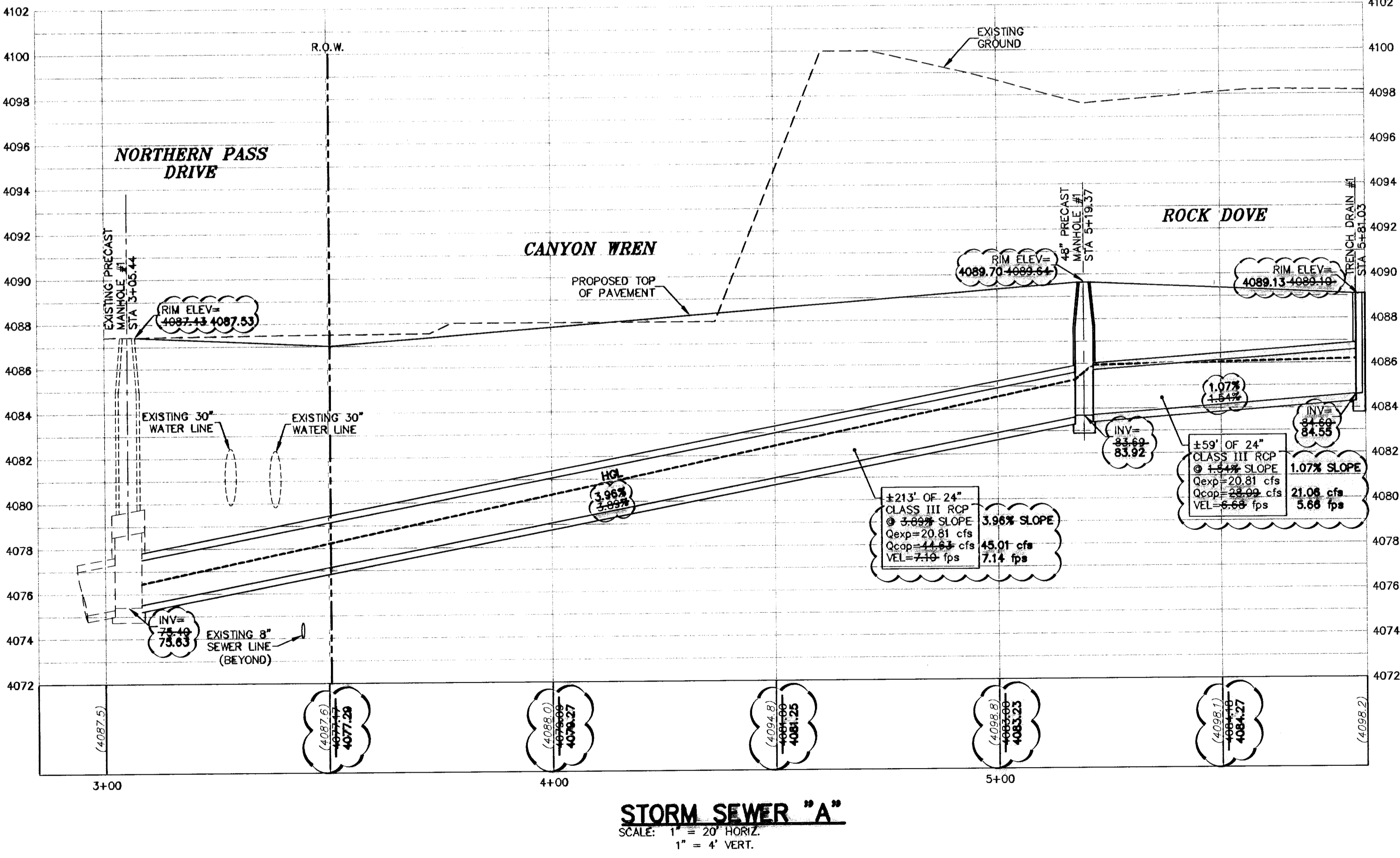
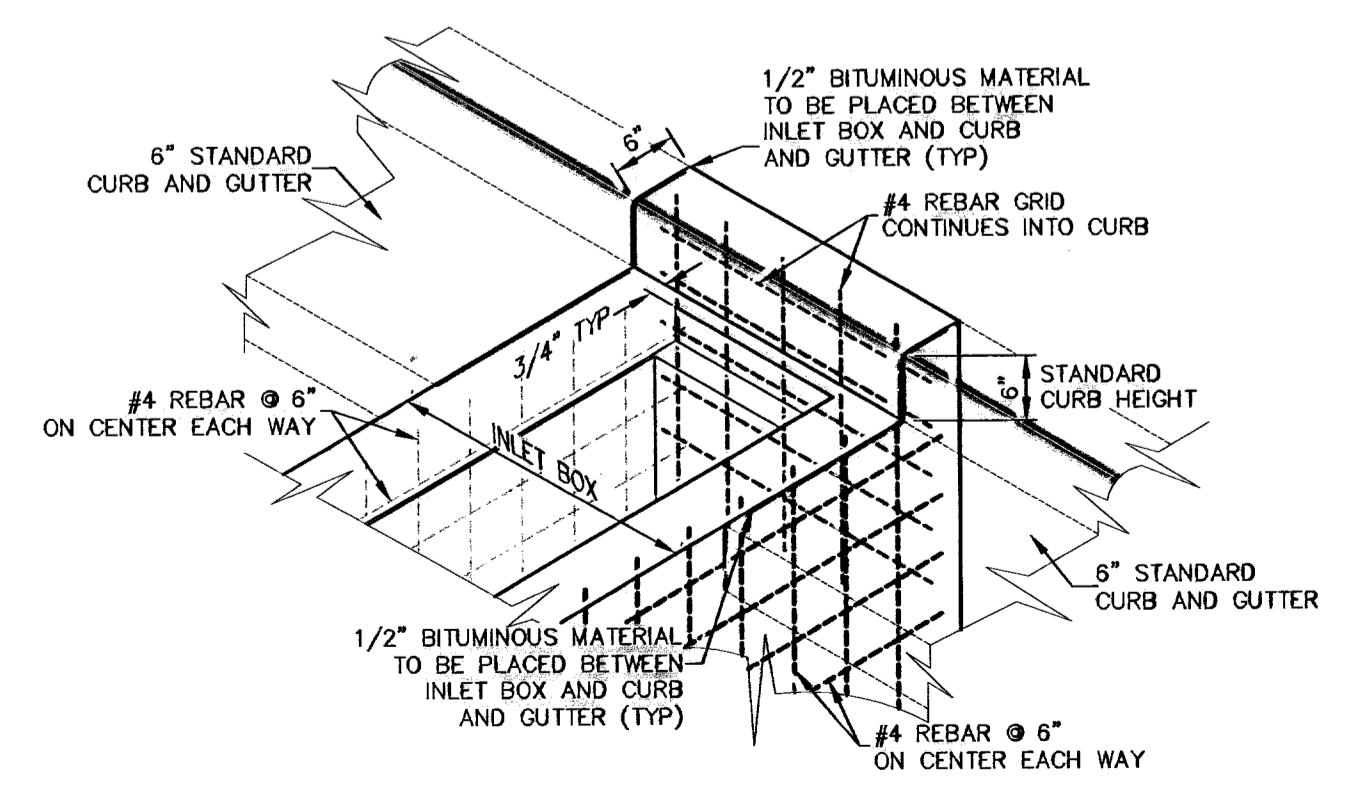
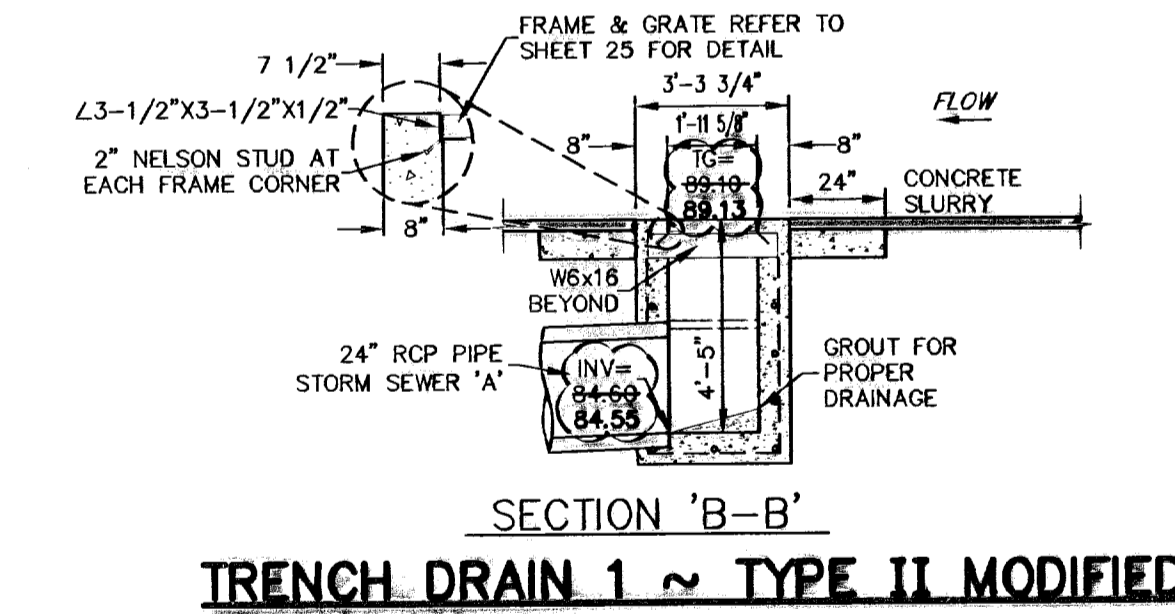
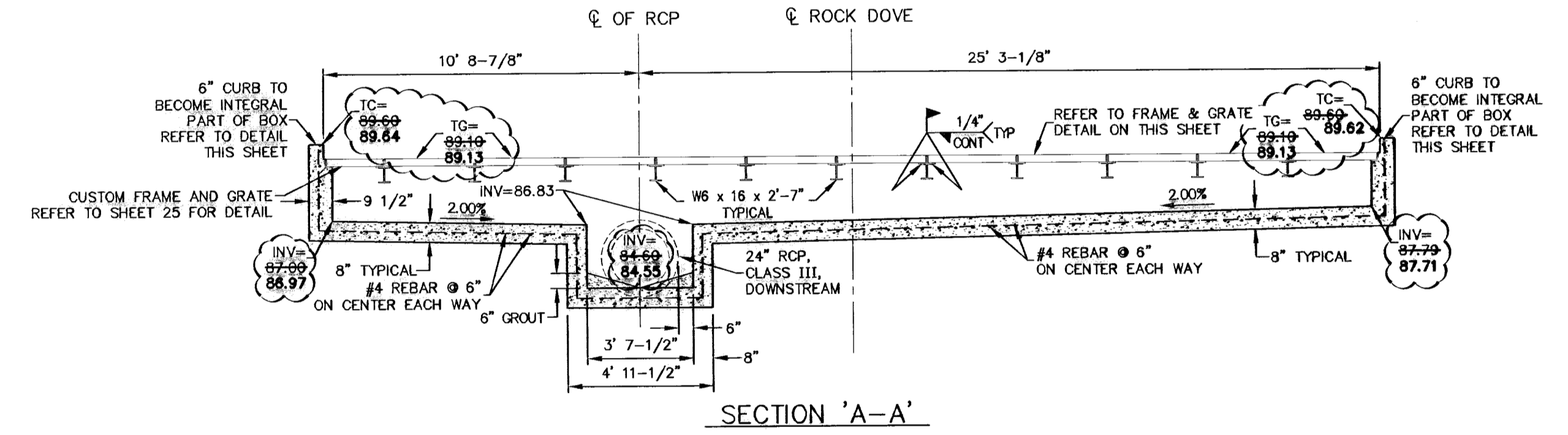
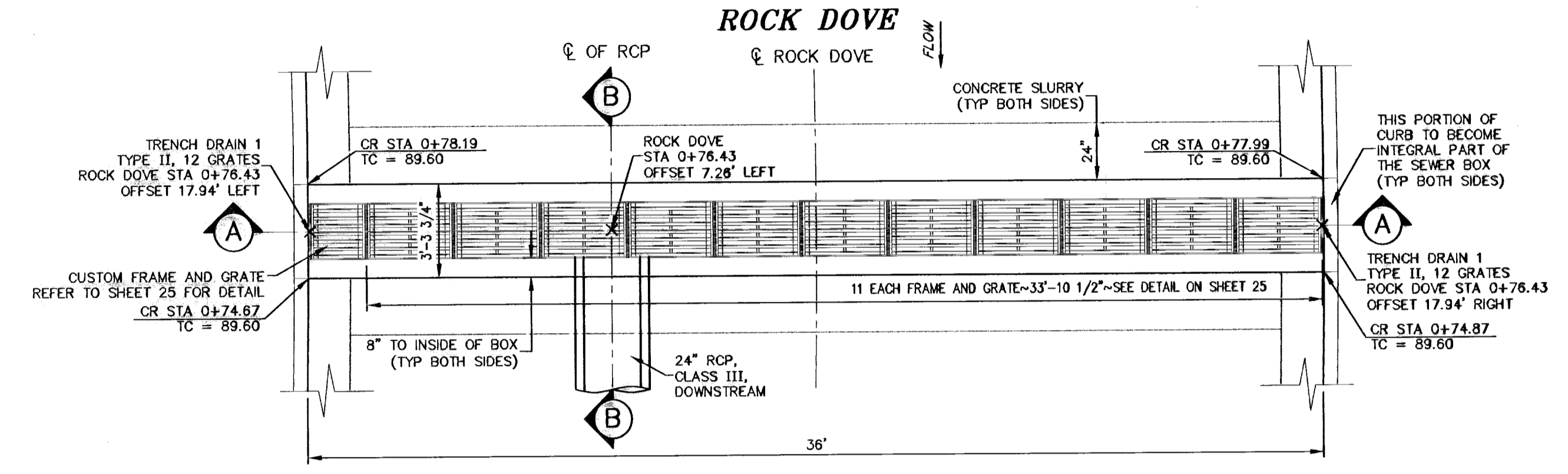
22

33



STATIONING IS TO THE CENTER OF THE STRUCTURE AT THE CURB LINE UNLESS NOTED OTHERWISE. ALL OTHER STATIONING IS TO THE CENTER OF THE STRUCTURES. BEARINGS AND DISTANCES ARE FOR FIELD LOCATION OF STRUCTURES ONLY. REFER TO PROFILE FOR ACTUAL PIPE LENGTHS.

ALL RUN OFF CALCULATIONS ARE BASED ON THE 100-YEAR STORM FREQUENCY.



NO.	DATE	DESCRIPTION	BY
1	01-10-09	2nd City Submittal	JCK
2	01-05-10	1st City Submittal	JCK
3	02-12-10	FINAL SUBMITTAL	JCK
4	02-05-10	Revisions to rock wall detail	JCK
5	05-07-10	Revisions to rock wall detail	JCK
6	05-14-10	Revisions to rock wall detail	JCK
7	05-12-11	RECORD DRAWINGS	JCK

WARNING!
BEFORE YOU DIG
LOCATE ALL EXISTING
UNDERGROUND UTILITIES
AND IMPROVEMENTS IN
THE PROJECT AREA

BEFORE YOU DIG - CALL
EL PASO ELECTRIC COMPANY
543-8720
1-800-DIG-TESS
544-8300
EL PASO GAS SERVICE
544-8300
EL PASO WATER UTILITIES (PWS)
1-800-DIG-TESS
544-8775
752414
THE WARNER (CABLE) COMPANY
1-800-DIG-TESS
752414
EL PASO DRAINAGE SAFETY SYSTEM
(544-8377)

RECORD DRAWING

STATE OF TEXAS
REGISTERED PROFESSIONAL ENGINEER
JOHN C. KARLSRUHER
53878

csa design group, inc.
Texas Registered Engineering Firm #4487
1845 Northwestem Dr., Ste C
El Paso, Texas 79912
tel (915) 877-4155
fax (915) 877-4334
www.csaengineers.com

STORM SEWER PLAN & PROFILE

CIMARRON SKY SUBDIVISION

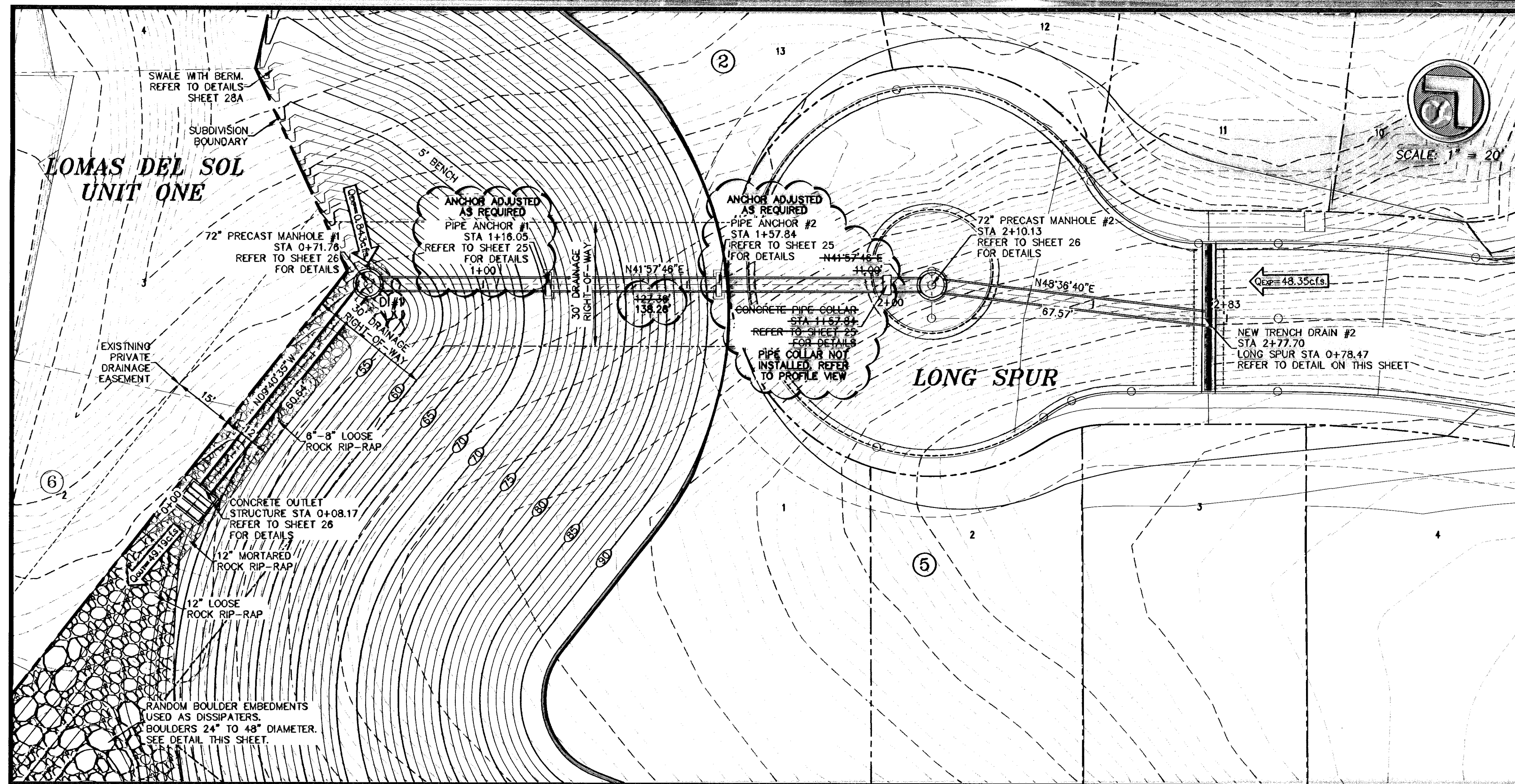
SHEET NO. **23**

DATE: 12/10/09

SCALE: AS NOTED

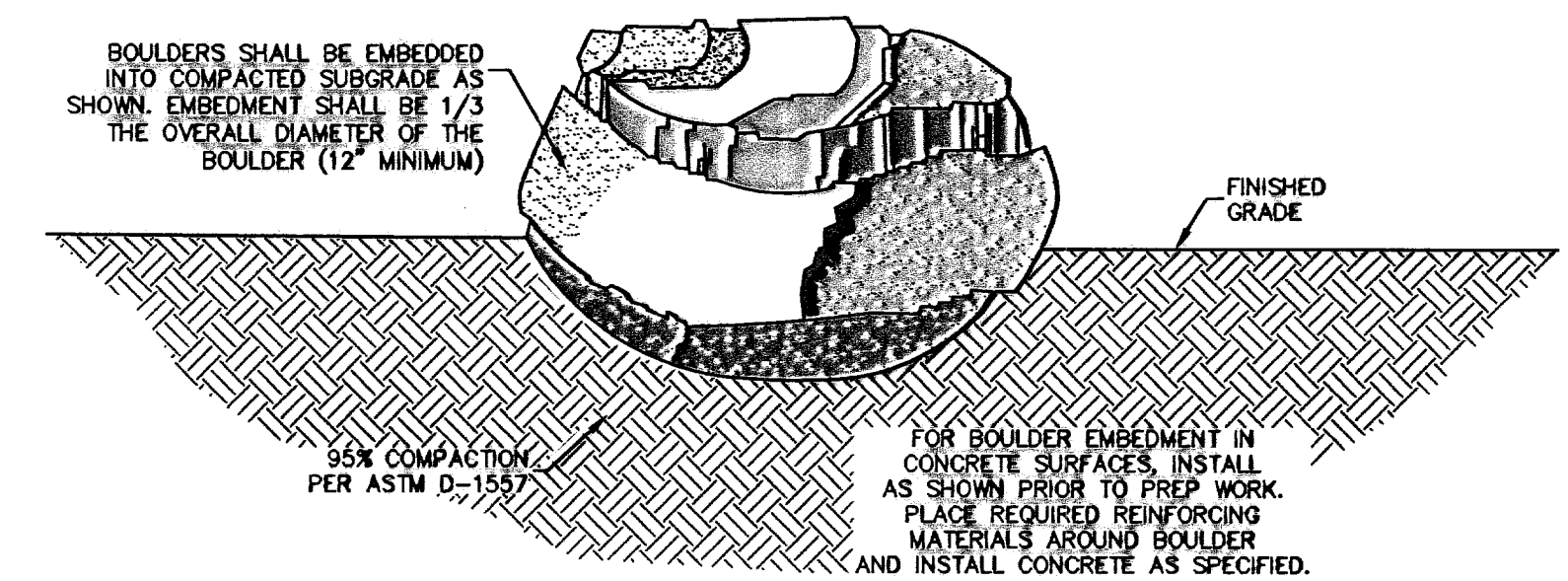
600824

May 11, 2011 - 4:08pm
S:\Draw\0011_Cimarron_Sky\Draw\0011_01_23-24_Storm_Sewer.dwg
jck

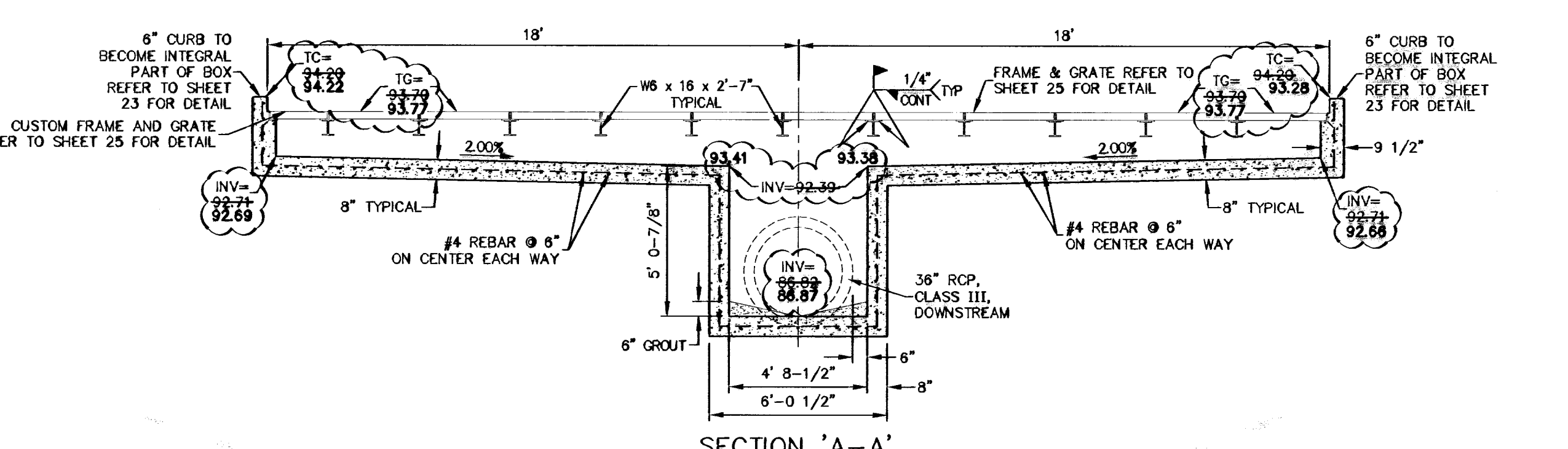
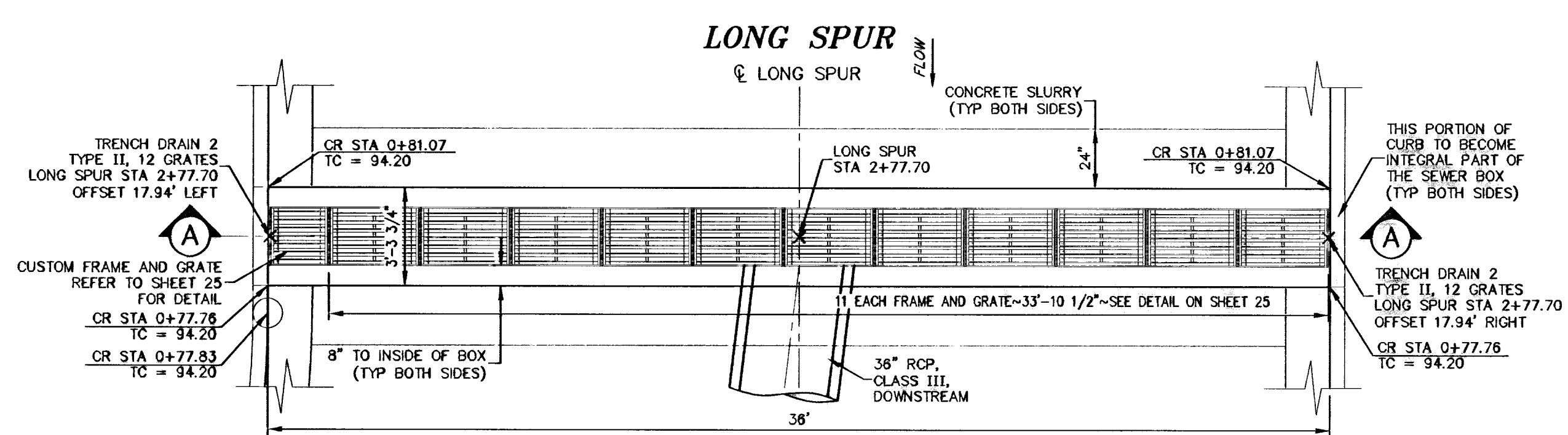


STATIONING FOR TYPE I DROP INLETS AND TRENCH DRAINS ARE TO THE CENTER OF THE STRUCTURE AT THE CURB LINE UNLESS NOTED OTHERWISE. ALL OTHER STATIONING IS TO THE CENTER OF THE STRUCTURE. BEARINGS AND DISTANCES ARE FOR FIELD LOCATION OF STRUCTURES. ONLY REFER TO PROFILE FOR ACTUAL PIPE LENGTHS.

ALL RUN OFF CALCULATIONS ARE BASED ON THE 100-YEAR STORM FREQUENCY.

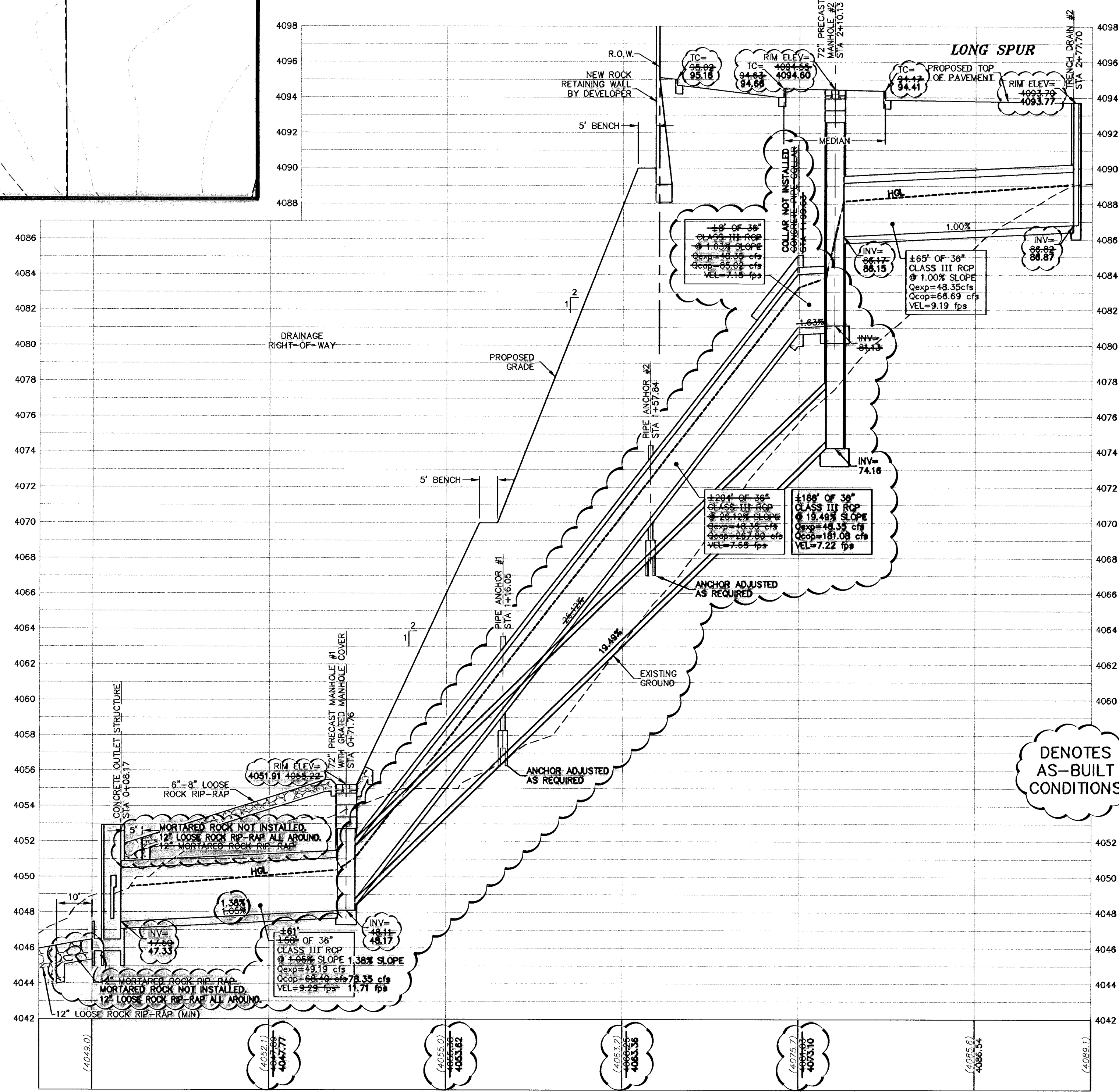


TYPICAL BOULDER EMBEDMENT
NOT TO SCALE



TRENCH DRAIN 2 ~ TYPE II MODIFIED
SCALE: 1/4" = 1'-0"

RIP-RAP
N.T.S.



STORM SEWER "B"
SCALE: 1" = 20' HORIZ.
1" = 4' VERT.

DENOTES AS-BUILT CONDITIONS

NO.	DATE	DESCRIPTION	BY
1	01-10-09	1st City Submitted	JKK
2	01-20-09	2nd City Submitted	JKK
3	02-02-10	Revisions to rock wall detail	JKK
4	02-02-10	Revisions to rock wall detail	JKK
5	02-02-10	Revisions to rock wall detail	JKK
6	02-02-10	Revisions to rock wall detail	JKK
7	02-12-11	Revisions to Channel Location, Rip-Rap, Slope, and Manhole	JKK

WARNING!
BEFORE YOU DIG
CONTRACTOR SHALL FIELD LOCATE ALL EXISTING UNDERGROUND UTILITIES AND IMPROVEMENTS IN THE PROJECT AREA.

BEFORE YOU DIG - CALL
EL PASO ELECTRIC COMPANY
1-800-DIG-TEES
562-5300
EL PASO WATER UTILITIES (PUB)
1-800-DIG-TEES
564-5775
EL PASO NATURAL GAS COMPANY
1-800-DIG-TEES
564-6377

RECORD DRAWING

John C. Karlsruher
Professional Engineer
No. 53878
State of Texas

csc design group, inc.
Texas Registered Engineering Firm F-097
1845 Northwestern Dr. Ste C
El Paso, Texas 79912
tel (915) 877.4155
fax (915) 877.4334
www.cscengineering.com

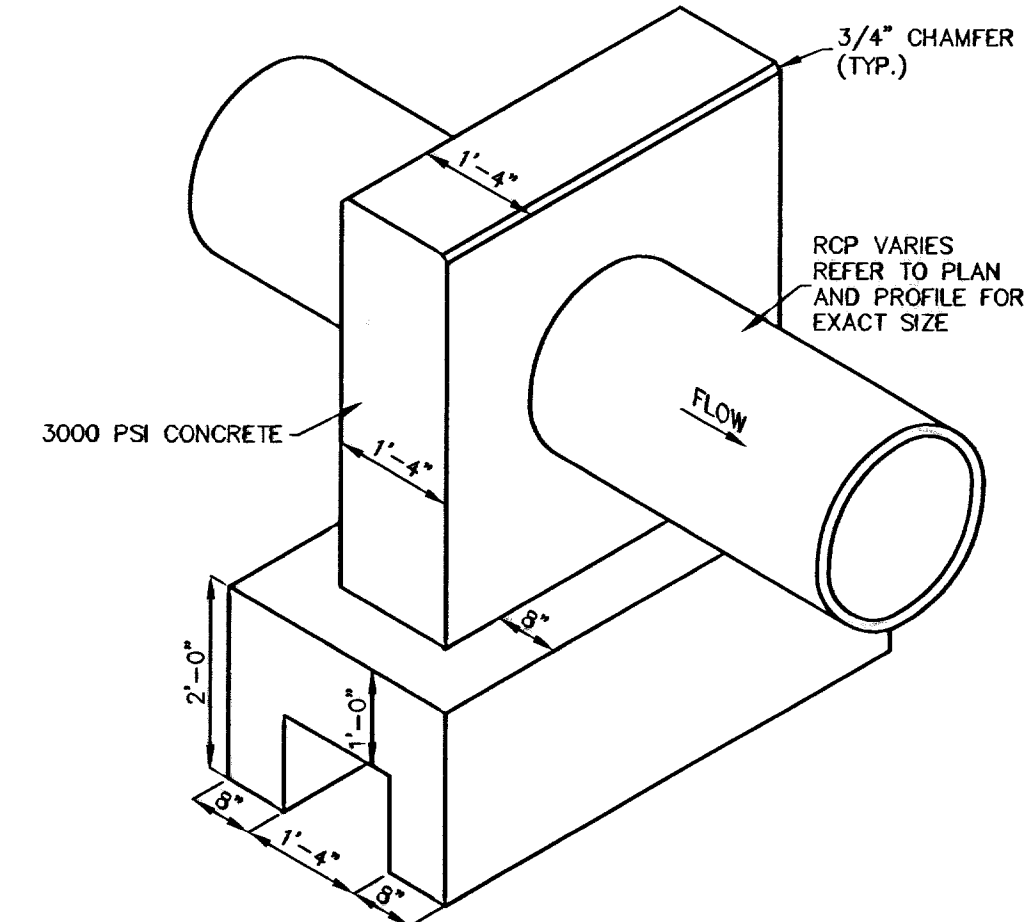
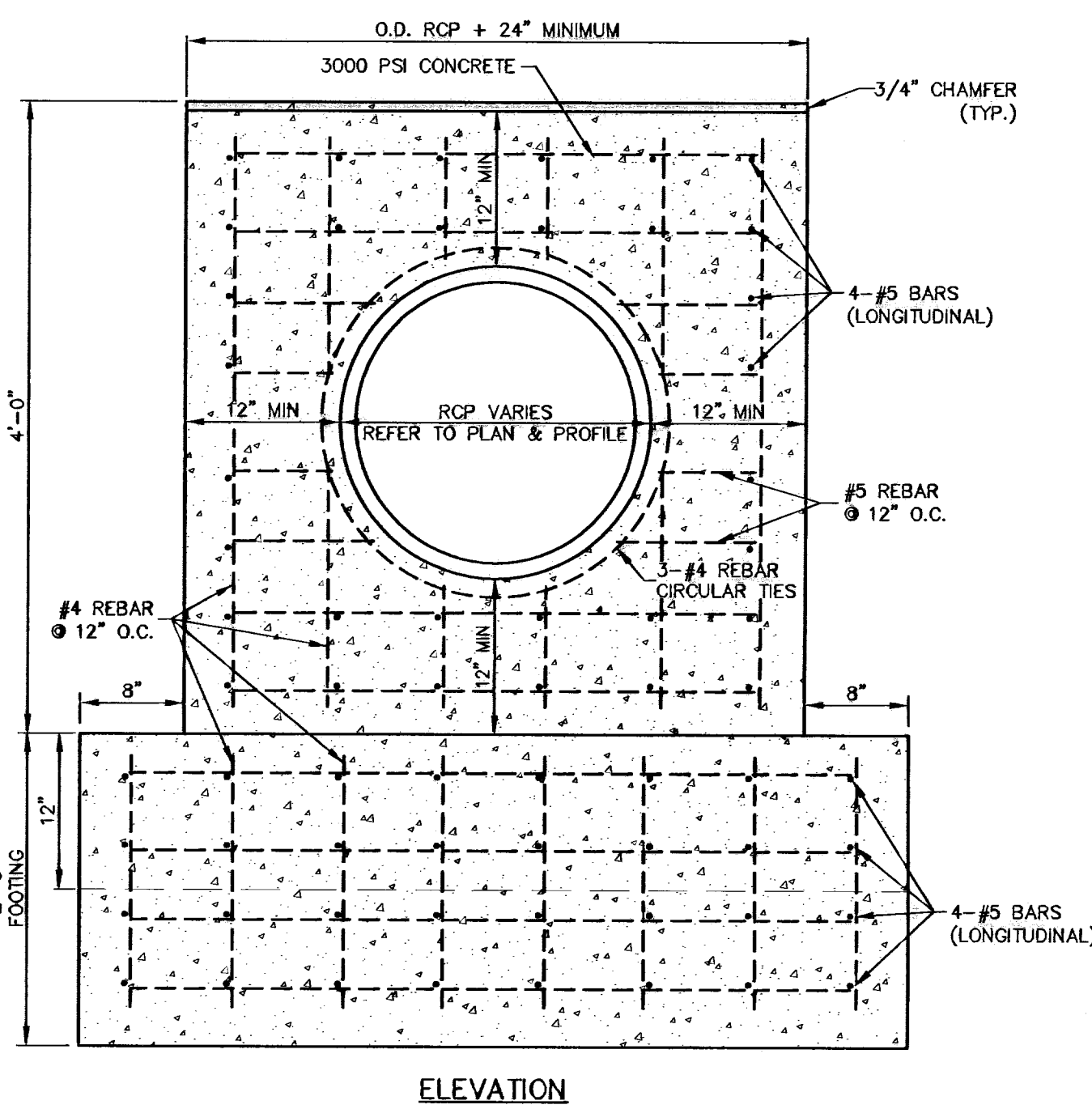
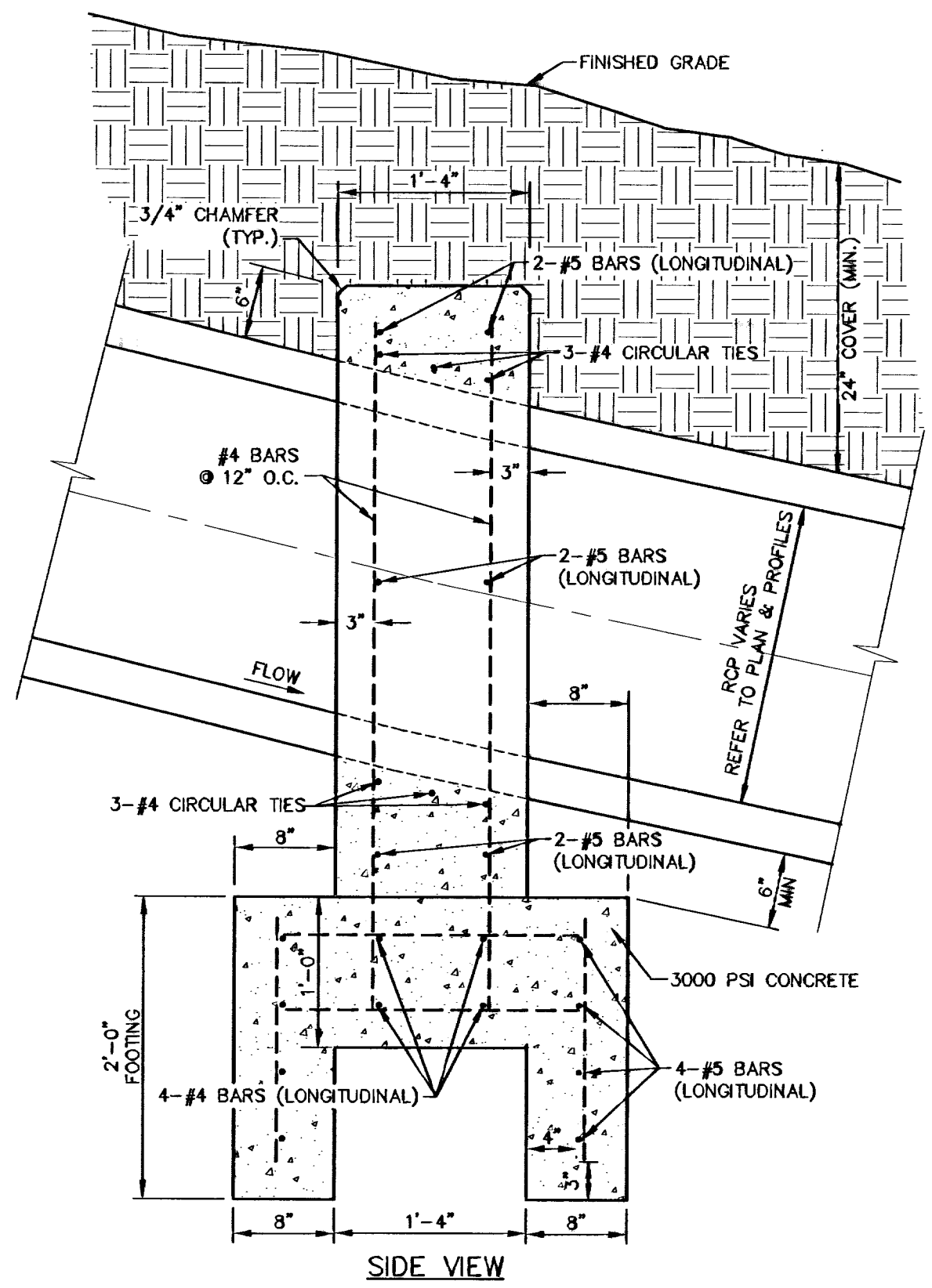
CIMARRON SKY SUBDIVISION
SHEET TITLE

STORM SEWER PLAN & PROFILE

COB-SH	9011
DESIGN BY	JAK
DG-COB-SH	12/10/09
DATE	12/10/09
SA	AS NOTED
SCALE	SCALE

SHEET NO. **24**
OF **33**

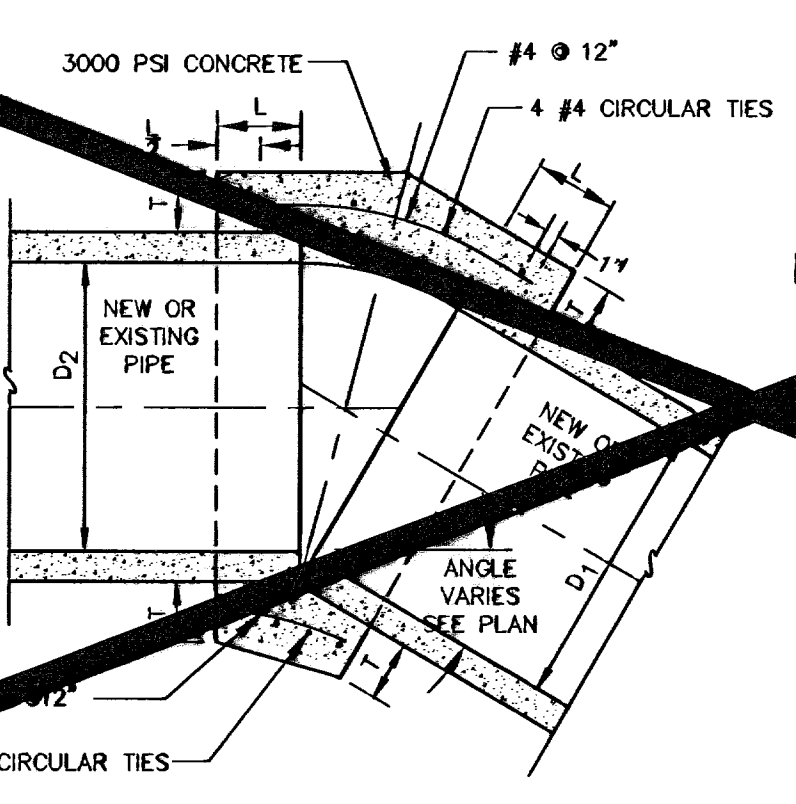
600824



ALL REBAR REINFORCING SHALL BE SPACED 8" CENTER TO CENTER MINIMUM, 12" ON CENTER MAXIMUM WITH A MINIMUM CLEARANCE OF 2" TO THE EDGE OF CONCRETE. FOR RCP GREATER THAN 60" IN DIAMETER, #5 REBAR SHALL BE LONGITUDINALLY WITH #5 CIRCULAR TIES.

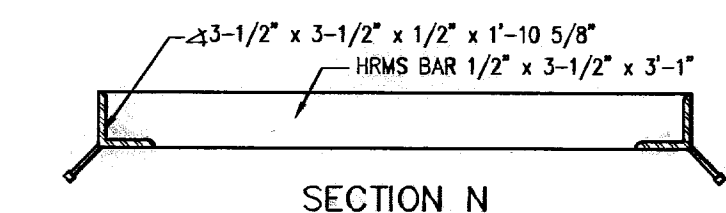
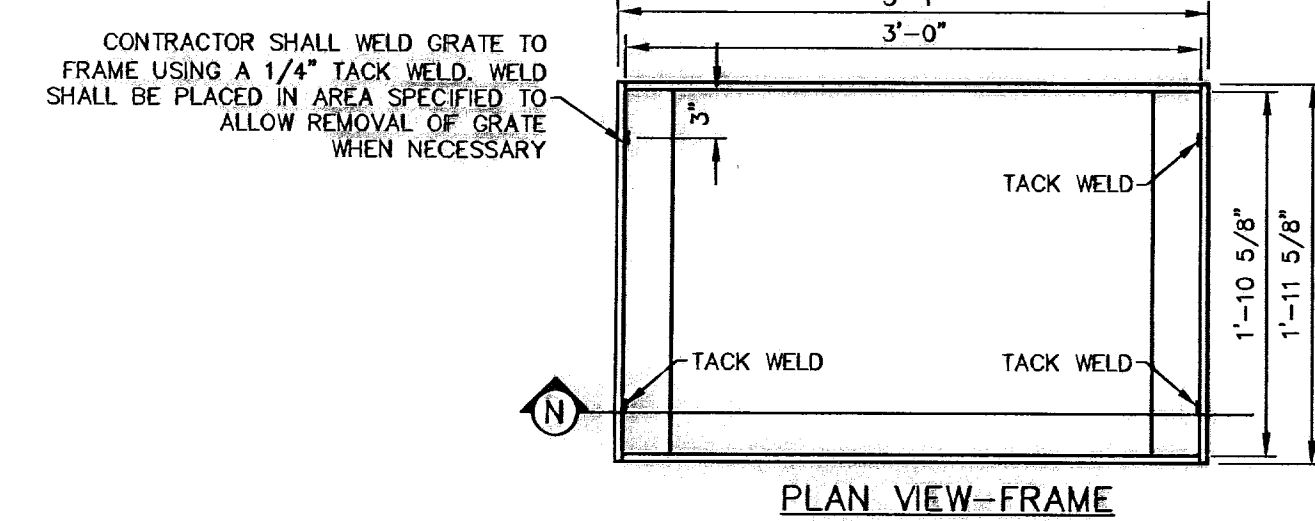
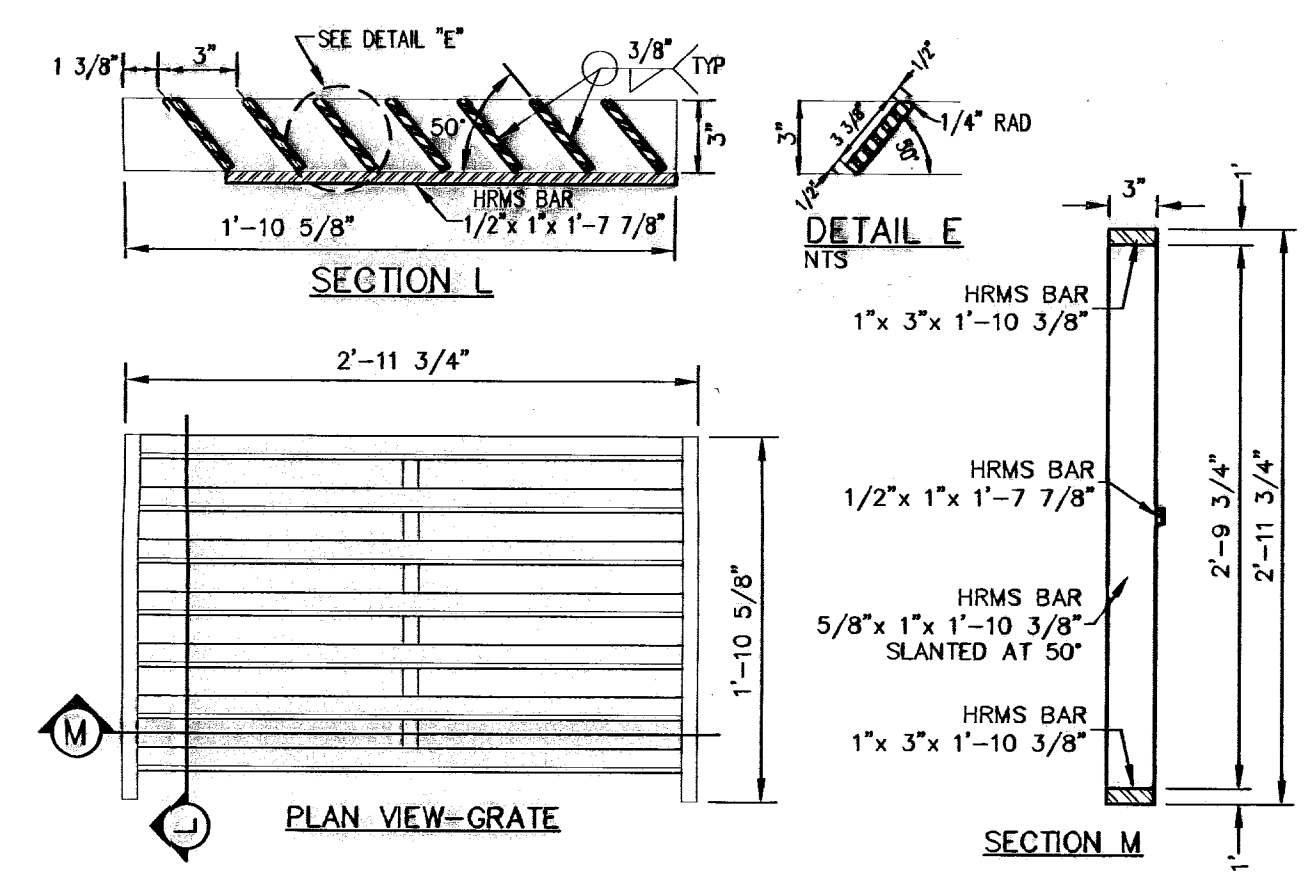
PIPE ANCHOR DETAIL
SCALE: 1" = 1'-0"

D	L	T
12"	1.0	4"
18"	1.0	5"
24"	1.0	6"
30"	1.5	7"
36"	1.5	8"
48"	1.5	10"
57"	1.5	10"
60"	1.75	11"
66"	1.75	11"
72"	2.00	12"

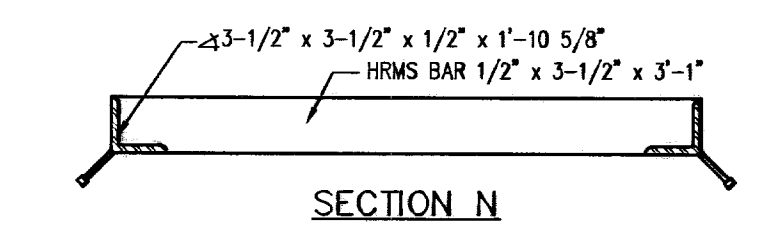
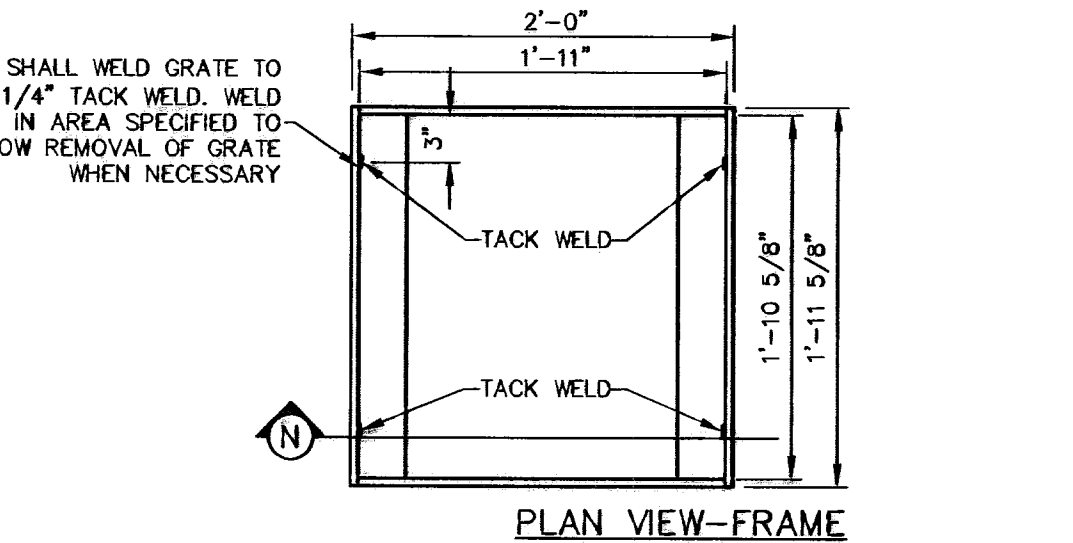
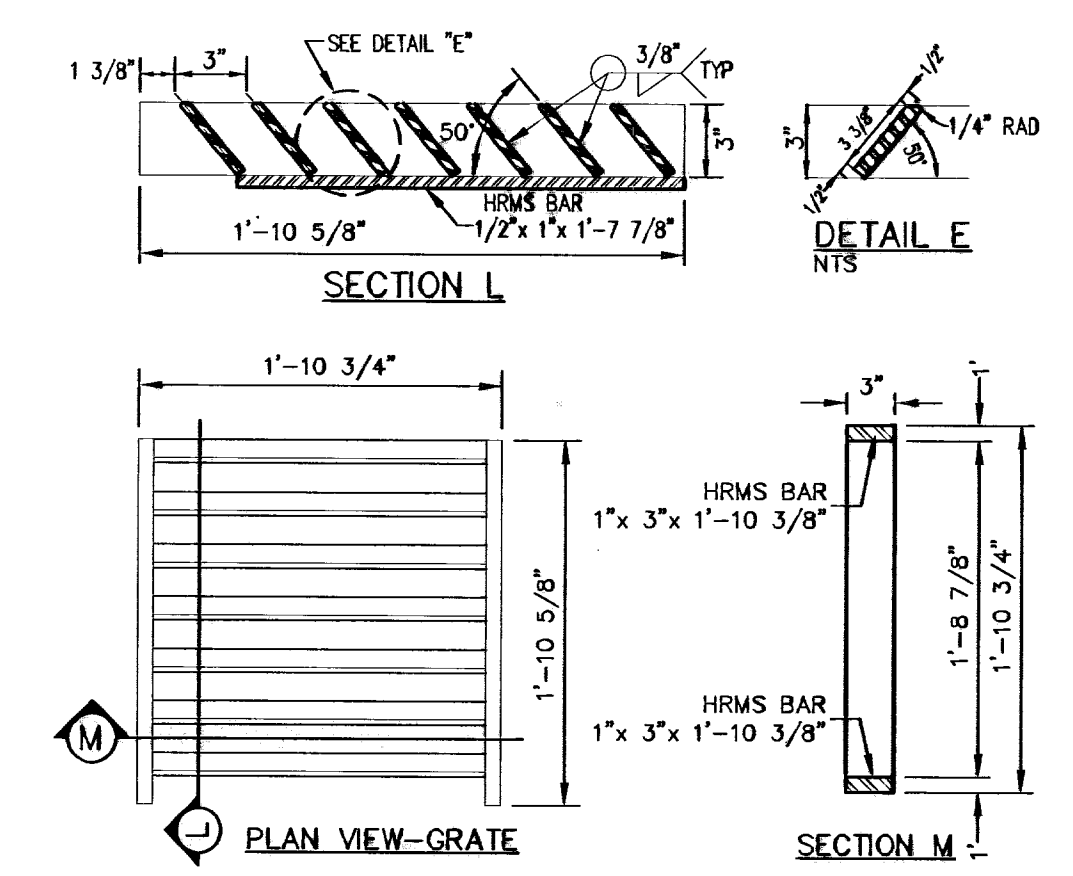


NOTE:
1. A CONCRETE COLLAR IS REQUIRED WHERE PIPES OF DIFFERENT DIAMETERS OR MATERIALS ARE JOINED, OR WHERE THE CHANGE IN ALIGNMENT OR GRADE EXCEEDS THAT ALLOWED FOR AN ORDINARY JOINT.
2. WHERE PIPES OF DIFFERENT DIAMETERS ARE JOINED WITH A CONCRETE COLLAR, L&T SHALL BE THOSE OF THE LARGER PIPE, D OR D₁ WHICHEVER IS GREATER.
3. FOR PIPES NOT LISTED USE NEXT SIZE LARGER.
4. WHERE REINFORCING IS REQUIRED THE DIAMETER OF THE CIRCULAR TIES SHALL BE D+(2xWALL THICKNESS).
5. FIELD CLOSURES OF PIPE OF SAME DIAMETER AND WITHOUT CHANGE IN GRADE OR ALIGNMENT SHALL BE MADE WITH A CONCRETE COLLAR.

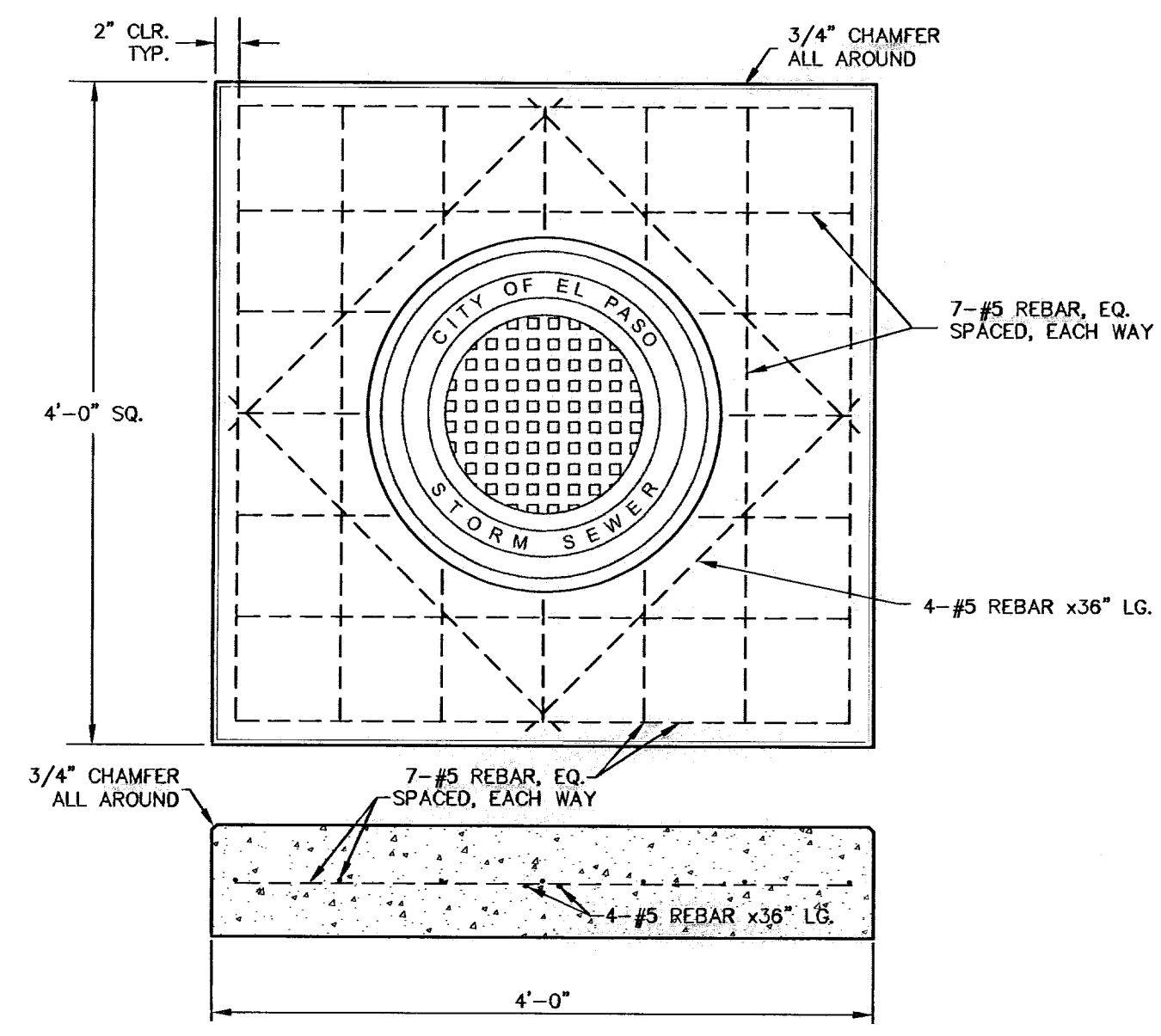
CONCRETE PIPE COLLAR
SCALE: 1" = 1'-0"
NOT USED



WELDED STEEL GRATE AND FRAME FOR TYPE II INLETS
SCALE: 1" = 1'-0"



CUSTOM WELDED STEEL GRATE AND FRAME FOR TRENCH DRAINS 1 AND 2
SCALE: 1" = 1'-0"

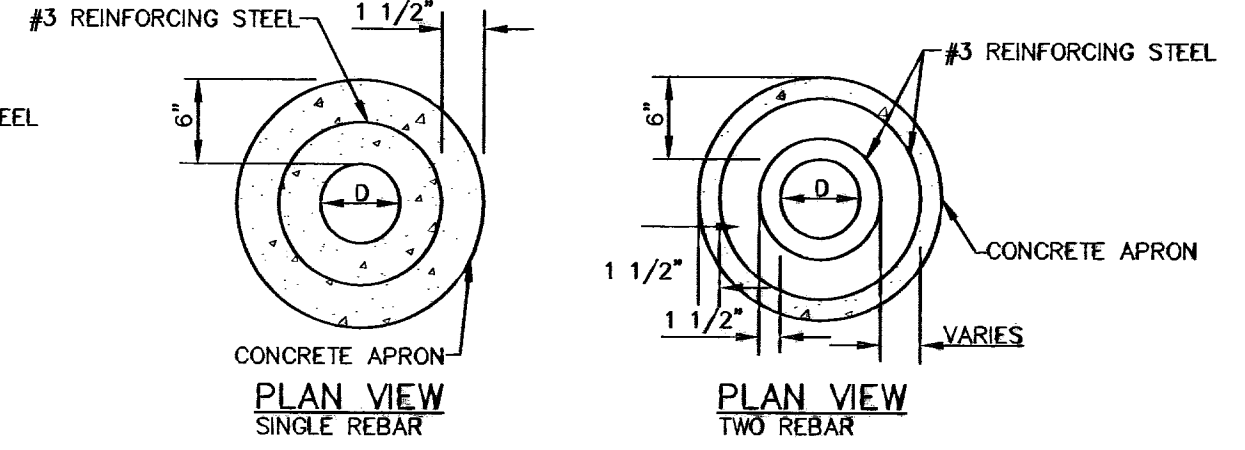
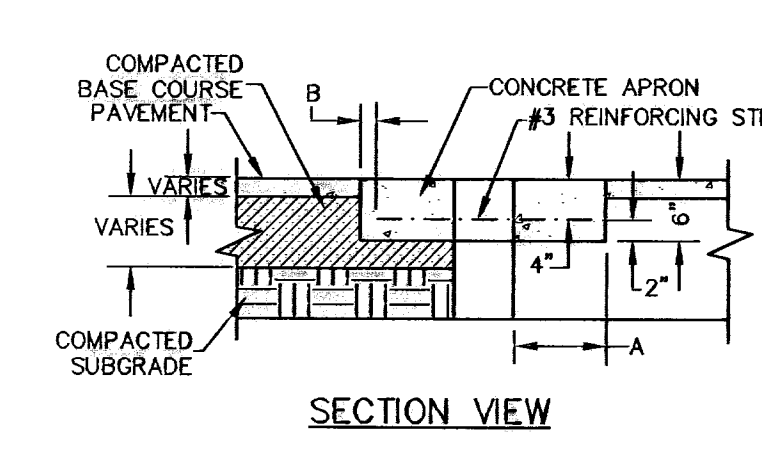


CONCRETE MANHOLE COLLAR FOR OFF STREET MANHOLES
SCALE: 1" = 1'-0"

"D" DIAMETER OF PENETRATION (INCHES)	"A" CONCRETE HORIZONTAL DIMENSION FROM PENETRATION (INCHES)	NUMBER OF NO. 3 REINFORCING STEEL BARS	"B" MINIMUM CLEARANCE FROM EDGE OF CONCRETE APRON TO CENTER OF NEAREST REBAR (INCHES)	"C" MINIMUM CLEARANCE FROM PENETRATION EDGE TO CENTER OF NEAREST REBAR (INCHES)
0 TO 6.00	6	1	1 1/2	1 1/2
6.01 TO 18.00	8	2	1 1/2	1 1/2
18.01 AND OVER	12	3	1 1/2	1 1/2

CONSTRUCTION NOTES:
1. ANY DISTURBED SUBGRADE UNDER THE CONCRETE APRON SHALL BE COMPACTED TO 95% DENSITY ± 3% OPTIMUM MOISTURE CONTENT IN ACCORDANCE WITH ASTM D-1557.
2. ANY DISTURBED COARSE UNDER THE CONCRETE APRON SHALL BE COMPACTED TO 100% DENSITY ± 2% OPTIMUM MOISTURE CONTENT IN ACCORDANCE WITH ASTM D-1557.
3. PROVIDE A MINIMUM OF 1 1/2" OF CONCRETE COVER FOR ALL REINFORCEMENT STEEL.
4. REINFORCING SHALL MEET ASTM C-478 AND TRAFFIC LOADING (HS-20).
5. NO. 3 REINFORCING STEEL HOOPS SHALL BE SPACED EQUALLY.

GENERAL NOTES:
1. THE PENETRATION APRON SHOULD BE CAST IN-PLACE CONCRETE. (MINIMUM 28 DAY COMPRESSIVE STRENGTH 4000 PSI. HIGH EARLY CONCRETE IS REQUIRED)
2. TOPS OF PENETRATION APRON SHALL BE FLUSH WITH ROADWAY SURFACE OR FINISH GRADE UNLESS OTHERWISE SPECIFIED BY THE CITY ENGINEER.



PENETRATION APRON
SCALE: N.T.S.

NO.	DATE	DESCRIPTION	BY
1	01-26-10	1st CITY SUBMITTAL	JCK
2	02-12-10	2nd CITY SUBMITTAL	JCK
3	02-26-10	3rd CITY SUBMITTAL	JCK
4	03-12-10	4th CITY SUBMITTAL	JCK
5	03-26-10	5th CITY SUBMITTAL	JCK
6	04-09-10	6th CITY SUBMITTAL	JCK
7	05-12-10	7th CITY SUBMITTAL	JCK

WARNING!
BEFORE YOU DIG
CONTRACTOR SHALL FIELD LOCATE ALL EXISTING UNDERGROUND UTILITIES AND IMPROVEMENTS IN THE PROJECT AREA

BEFORE YOU DIG - CALL
EL PASO ELECTRIC COMPANY
EL PASO GAS SERVICE
EL PASO WATER UTILITIES (P&B)
TIME WARNER (CABLE) COMPANY
TEXAS EXCAVATION SAFETY SYSTEM

RECORD DRAWING
STATE OF TEXAS
REGISTERED PROFESSIONAL ENGINEER
JOHN C. KARLSRUHER
5378

csa design group, inc.
Texas Registered Engineering Firm F-9907
1845 Northwestern Dr. Ste C
El Paso, Texas 79912
tel (915) 877 4155
fax (915) 877 4334
www.csaengineers.com



CIMARRON SKY SUBDIVISION

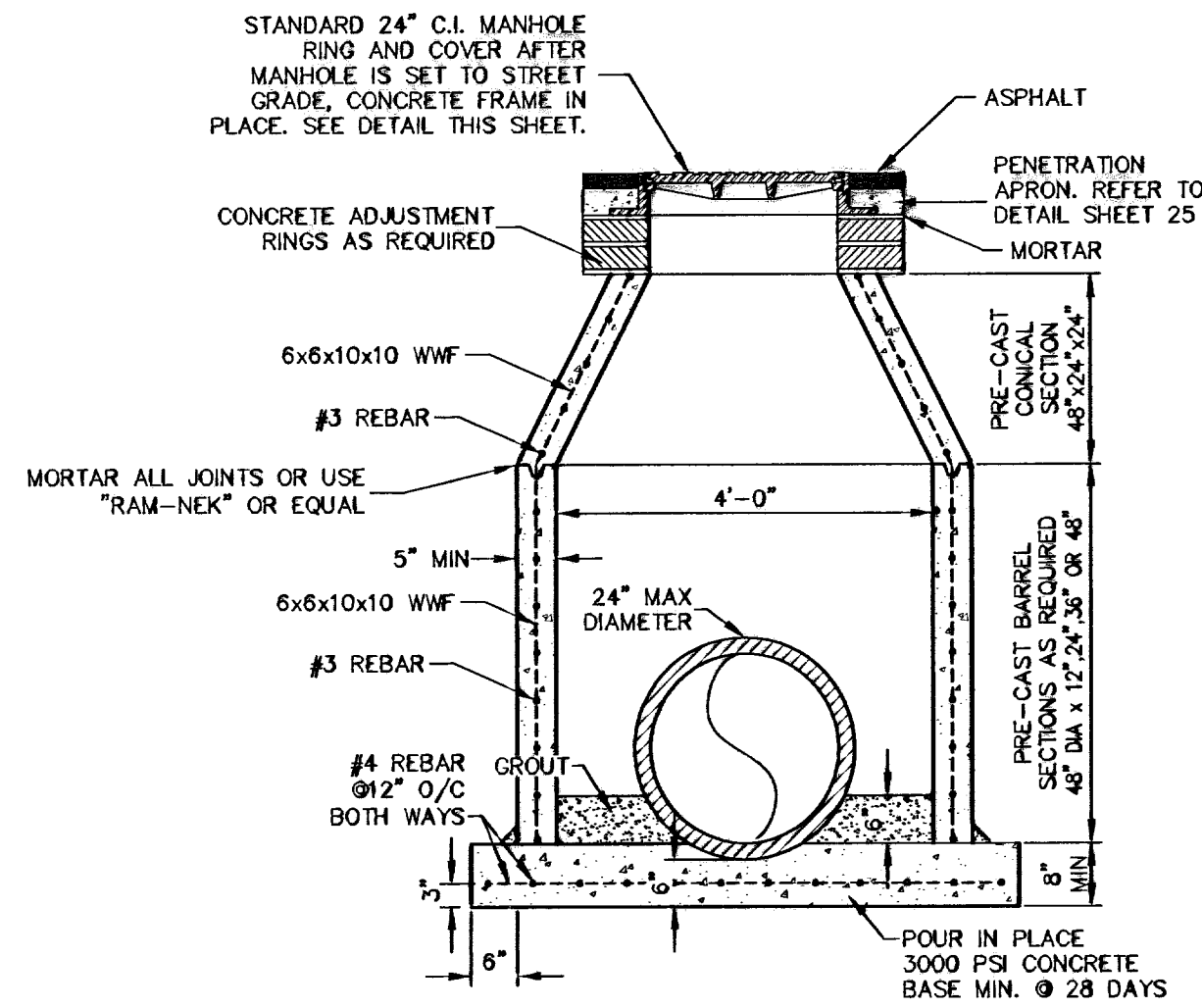
STORM SEWER DETAILS

G08-SH	9011
DESIGN BY	JCK
08-G08-SH	12/10/09
SCALE	AS NOTED
DESIGN BY	JCK

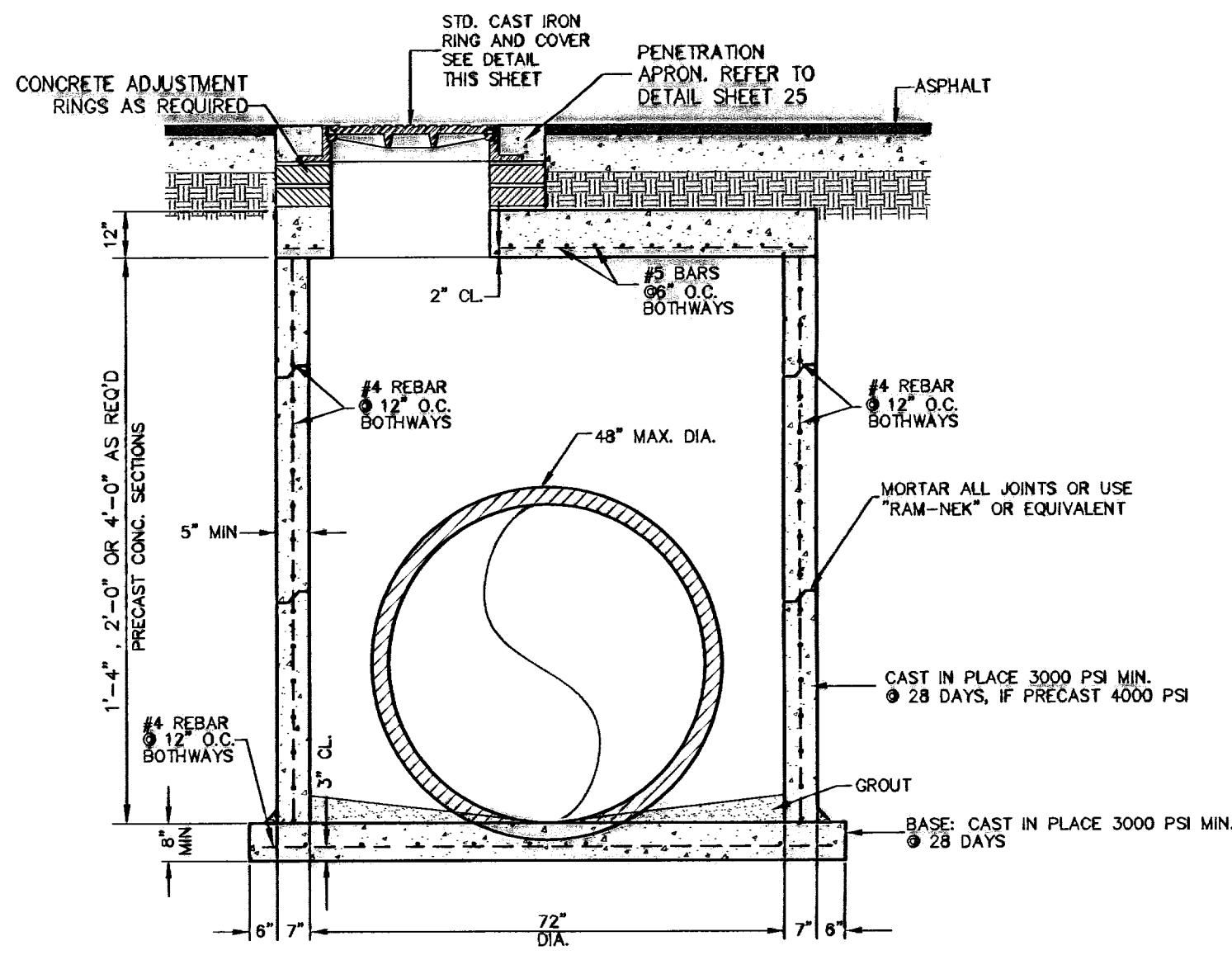
SHEET NO. **25**
OF **33**

600824

ECCENTRIC CONES MAY BE SUBSTITUTED. HOWEVER, THE RIM ELEVATIONS IN THIS PLAN SET ARE BASED ON THE INSTALLATION OF STANDARD MANHOLE CONES UNLESS NOTED OTHERWISE. IF ECCENTRIC CONES ARE SUBSTITUTED, THE CONTRACTOR MUST FIELD ADJUST THE RIM ELEVATION.



48° PRE-CAST MANHOLE
SCALE: 1" = 2'-0"

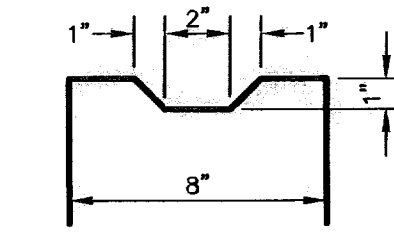


72° PRE-CAST MANHOLE
SCALE: 1" = 2'-0"

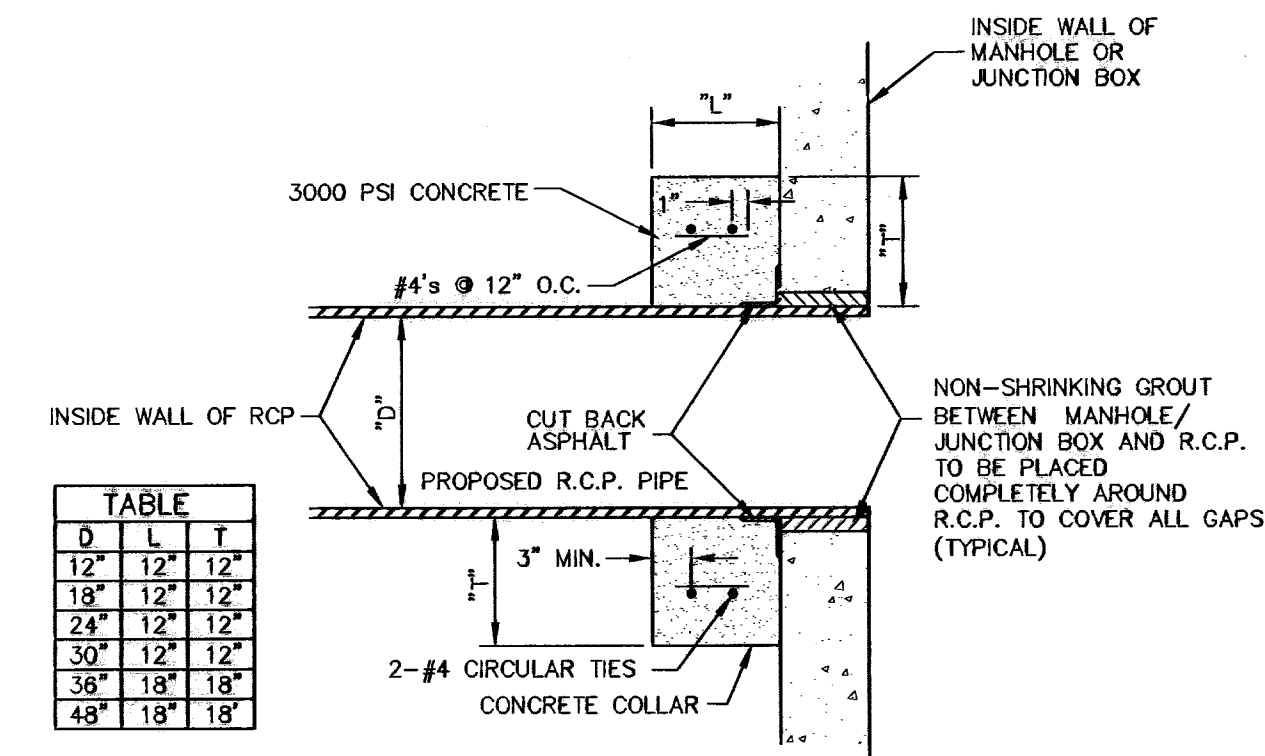
PRIMARY INSTALLATION OF MANHOLES SHOULD BE SUCH THAT THE RIM ELEVATION IS 2" - 12" BELOW THE RIM ELEVATION SHOWN ON THE PLAN AND PROFILES. FINAL ADJUSTMENT TO THE FINISHED PAVEMENT ELEVATION SHALL BE MADE WITH CONCRETE ADJUSTMENT RINGS AND LOCKED INTO PLACE THE INSTALLATION OF THE PENETRATION APRON.

JUNCTION BOX NOTES

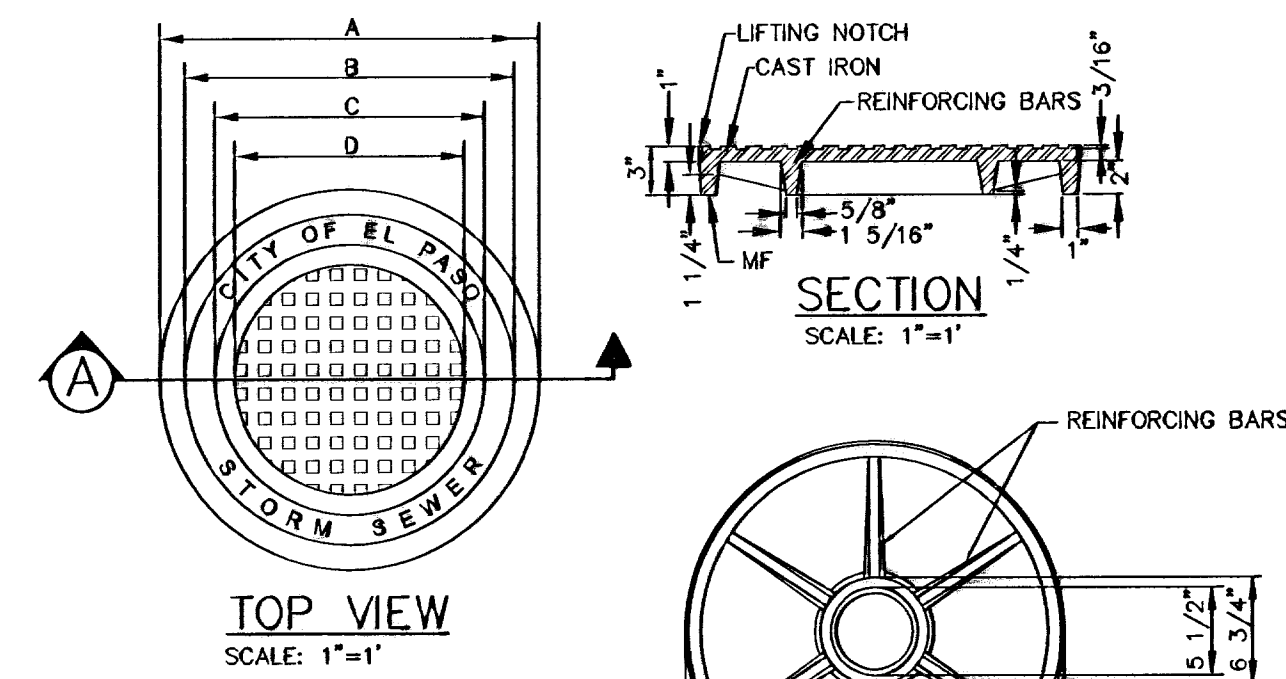
- STANDARD STRUCTURAL DESIGN SHALL BE BASED ON AASHTO HS20 WHEEL LOADING.
- THE PRE-CAST MANHOLE RISER AND CONICAL SECTIONS SHALL CONFORM TO ASTM SPECIFICATIONS C-478.
- THE CONICAL SECTIONS SHALL BE ECCENTRIC WHERE LADDER RUNGS ARE REQUIRED.
- THE PRE-CAST CONCRETE SHALL HAVE A MINIMUM ALLOWABLE COMPRESSIVE STRENGTH AT 28 DAYS OF 4000 POUNDS PER SQUARE INCH FOR THE RISER AND CONICAL SECTIONS.
- THE RISER SECTIONS SHALL BE REINFORCED WITH STEEL WIRE MESH 6x8, 10-10 AND THE CONICAL SECTION SHALL HAVE 6x8, 10-10 STEEL WIRE MESH REINFORCEMENT AND 3/8" ROD AT TOP AND BOTTOM (SEE ASTM STANDARDS PART 16-C-478). REINFORCING STEEL SHALL COMPLY WITH ASTM A615 GRADE 60, A706 GRADE 60 OR A497 GRADE 70. BAR BENDING AND PLACEMENT SHALL COMPLY WITH THE LATEST ACI SPECIFICATIONS.
- REINFORCING STEEL FOR CAST IN PLACE JUNCTION BOX SHALL COMPLY WITH ASTM A615 GRADE 60, A706 GRADE 60 OR A497 GRADE 70. BAR BENDING AND PLACEMENT SHALL COMPLY WITH THE LATEST ACI SPECIFICATIONS.
- ALL CAST IN PLACE CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI AT 28 DAYS.



SHEAR KEY DETAIL
SCALE: 1/2" = 1'-0"

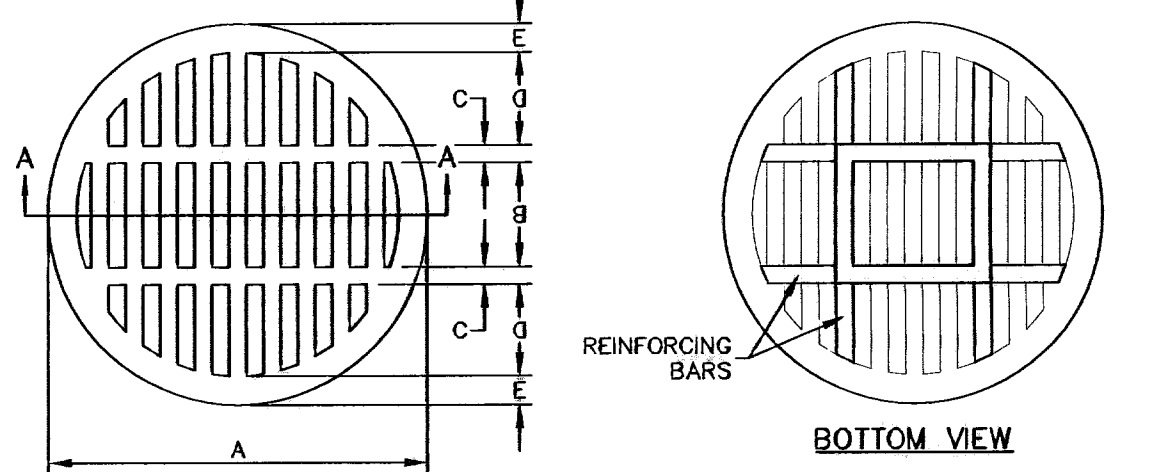


D	L	T
12"	12"	12"
18"	12"	12"
24"	12"	12"
30"	12"	12"
36"	18"	18"
48"	18"	18"



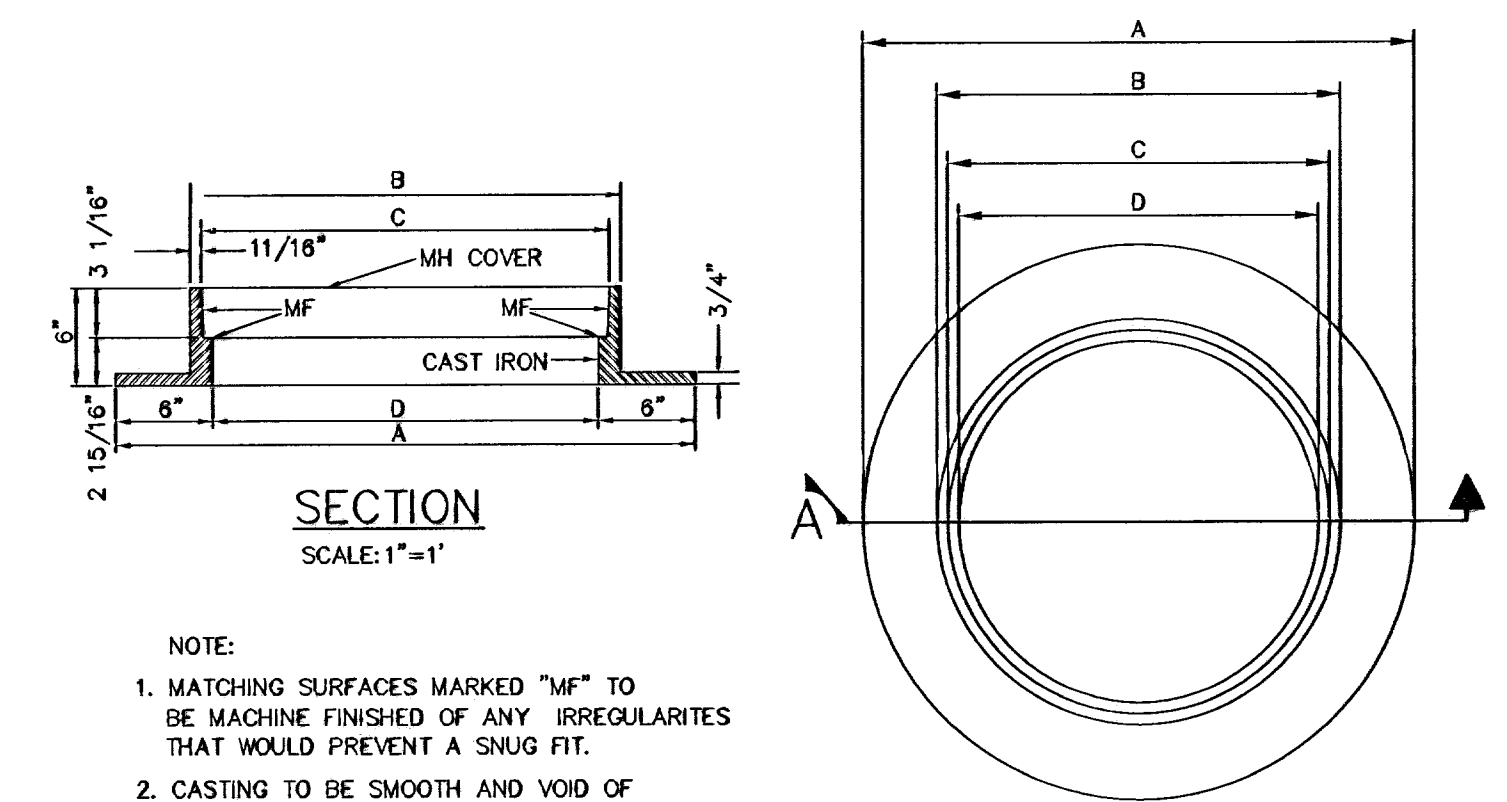
MANHOLE COVER	48" MANHOLE	72" MANHOLE
WEIGHT	175 lbs	310 lbs
A	1'-11 3/4"	2'-7 1/4"
B	1'-8 5/8"	2'-4 1/8"
C	1'-4 7/8"	2'-3/8"
D	1'-2 3/8"	1'-9 7/8"
E	11 7/8"	1'-3 5/8"

MANHOLE COVER
SCALE: AS NOTED



MANHOLE COVER	48" MANHOLE	72" MANHOLE
WEIGHT	175 lbs	310 lbs
A	1'-11 3/4"	2'-7 1/8"
B	6 1/2"	9"
C	1"	1 1/2"
D	6"	8"
E	1 5/8"	1 5/8"
F	1 1/4"	1"
G	1 3/8"	1 3/8"
H	1"	1"

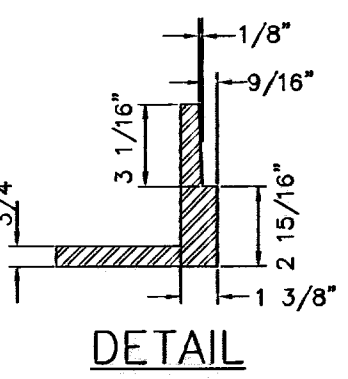
GRATED MANHOLE COVER
SCALE: 1" = 1'



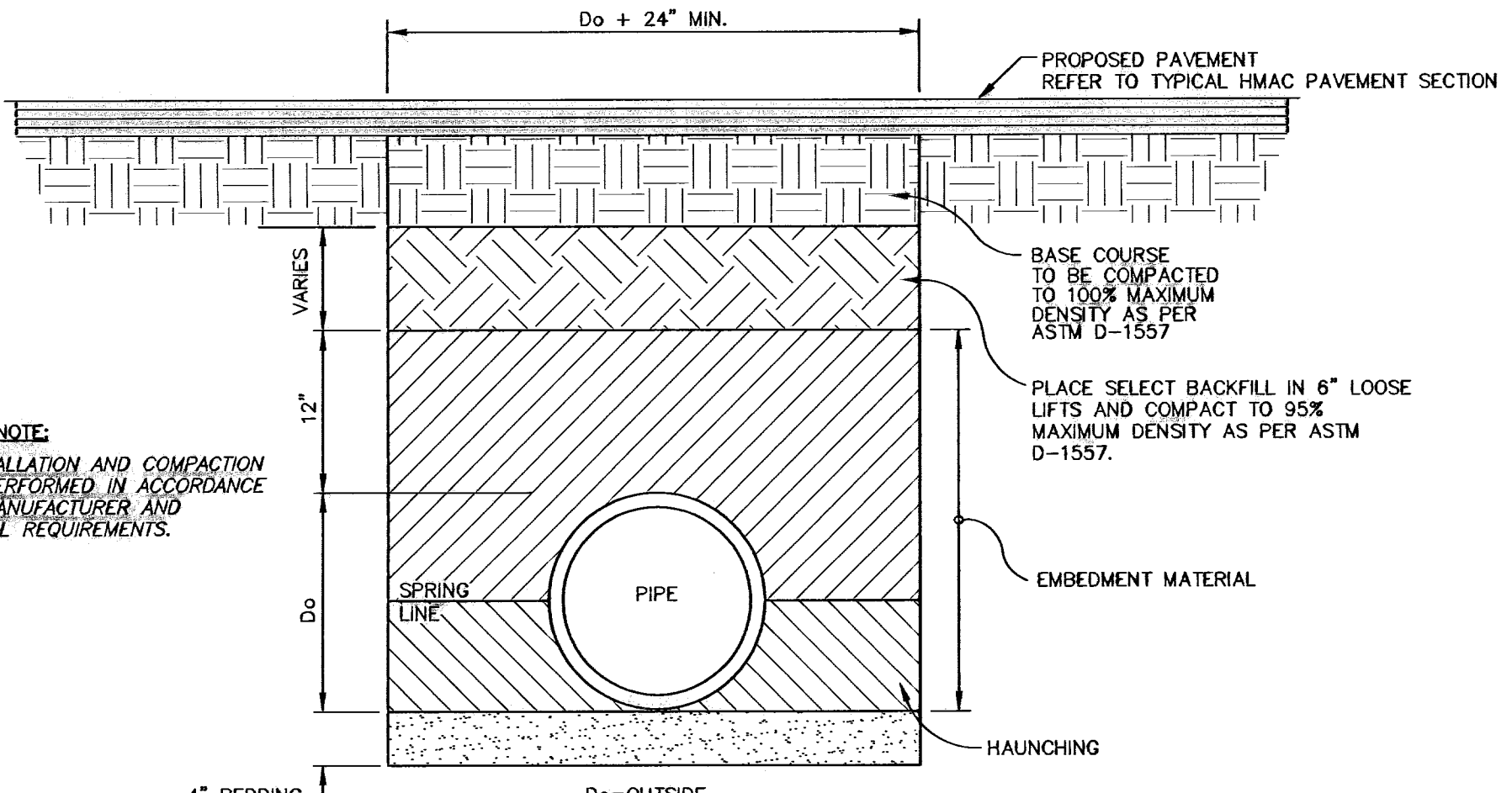
- NOTE:
- MATCHING SURFACES MARKED "MF" TO BE MACHINE FINISHED OF ANY IRREGULARITIES THAT WOULD PREVENT A SNUG FIT.
 - CASTING TO BE SMOOTH AND VOID OF AIR HOLES.

MANHOLE RING
SCALE: AS NOTED

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

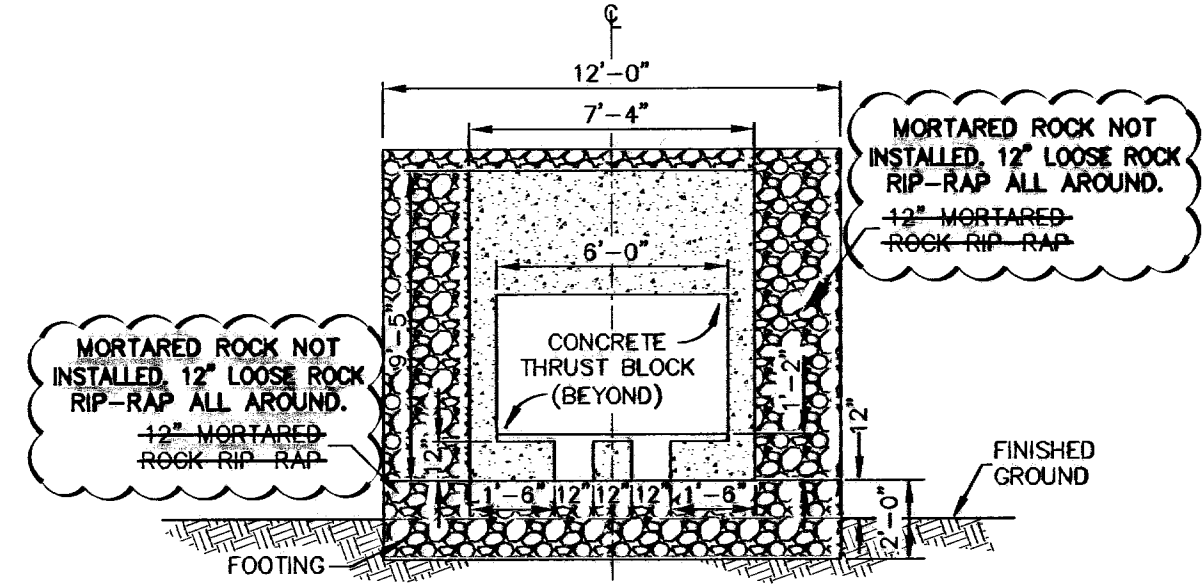


DETAIL
SCALE: 1" = 1'

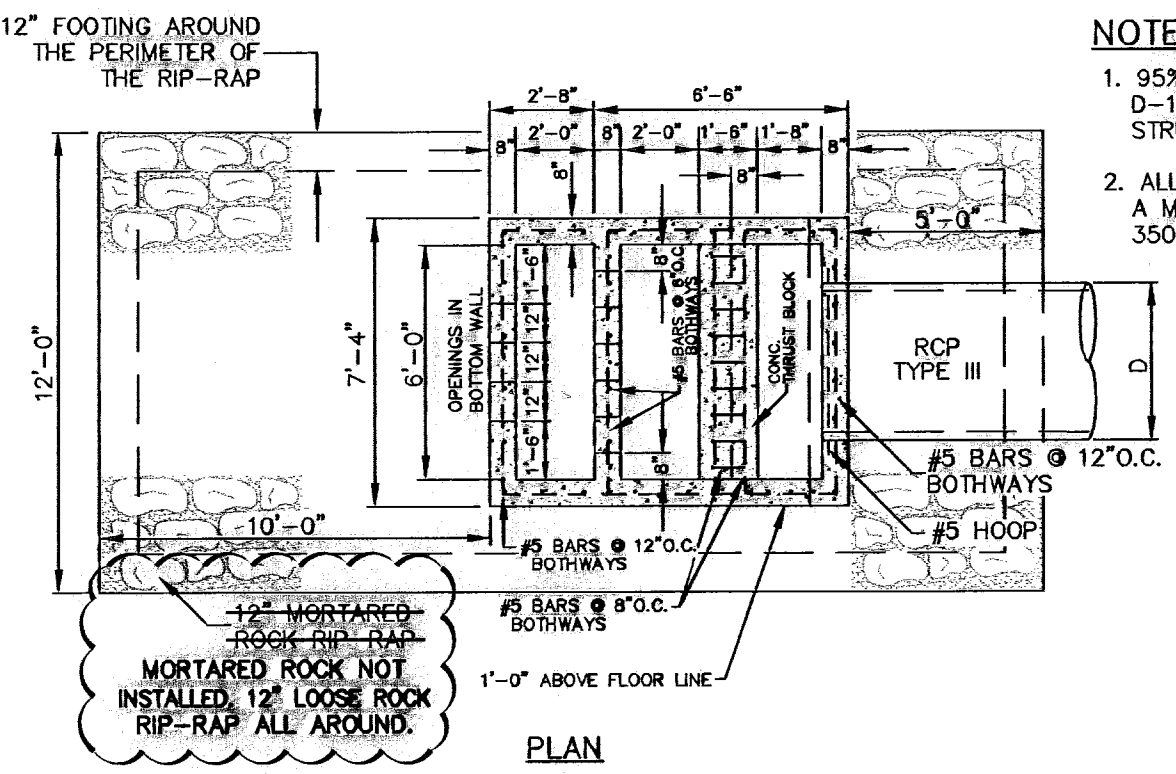


- NOTE:
- PIPE INSTALLATION AND COMPACTION SHALL BE PERFORMED IN ACCORDANCE WITH PIPE MANUFACTURER AND GEOTECHNICAL REQUIREMENTS.

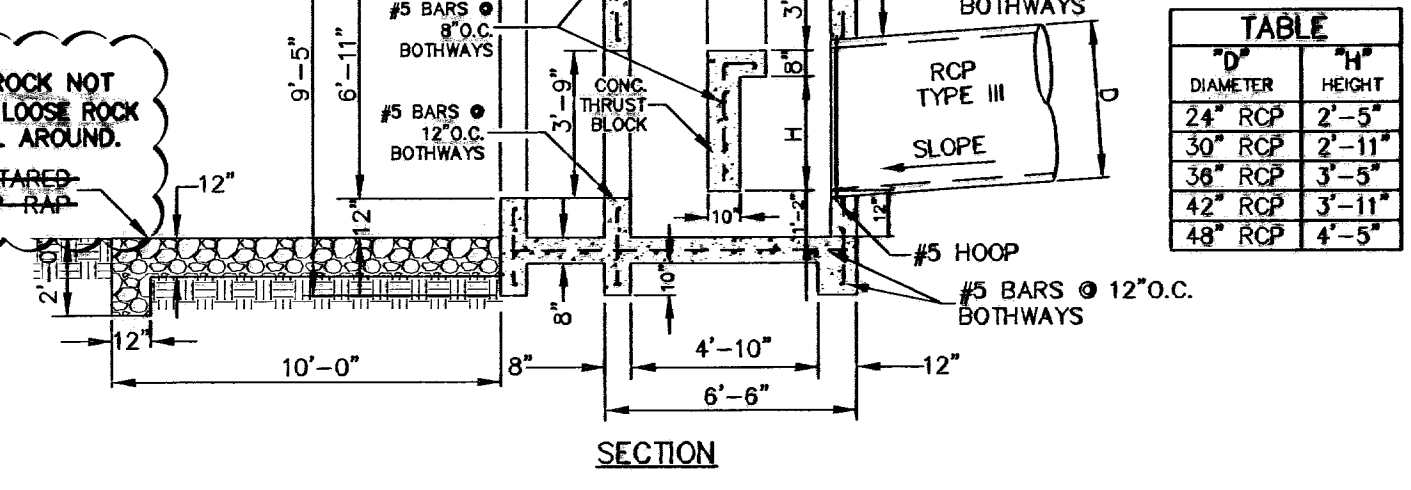
TYPICAL TRENCH BACKFILL FOR STORM SEWER INSTALLATION
SCALE: 1" = 1'-0"



- NOTES:
- 95% COMPACTION AS PER ASTM D-1557 UNDER ALL CONCRETE STRUCTURES.
 - ALL CAST IN PLACE CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3500 PSI AT 28 DAYS.



CONCRETE OUTLET STRUCTURE DETAIL
SCALE: 1" = 5'-0"



D	H
24" RCP	2'-5"
30" RCP	2'-11"
36" RCP	3'-5"
42" RCP	3'-11"
48" RCP	4'-5"

NO.	DATE	DESCRIPTION
1	05-12-17	RECORD DRAWINGS
2	05-12-17	REVISIONS
3	05-12-17	REVISIONS
4	05-12-17	REVISIONS
5	05-12-17	REVISIONS
6	05-12-17	REVISIONS
7	05-12-17	REVISIONS
8	05-12-17	REVISIONS
9	05-12-17	REVISIONS
10	05-12-17	REVISIONS
11	05-12-17	REVISIONS
12	05-12-17	REVISIONS
13	05-12-17	REVISIONS
14	05-12-17	REVISIONS
15	05-12-17	REVISIONS
16	05-12-17	REVISIONS
17	05-12-17	REVISIONS
18	05-12-17	REVISIONS
19	05-12-17	REVISIONS
20	05-12-17	REVISIONS
21	05-12-17	REVISIONS
22	05-12-17	REVISIONS
23	05-12-17	REVISIONS
24	05-12-17	REVISIONS
25	05-12-17	REVISIONS
26	05-12-17	REVISIONS
27	05-12-17	REVISIONS
28	05-12-17	REVISIONS
29	05-12-17	REVISIONS
30	05-12-17	REVISIONS
31	05-12-17	REVISIONS
32	05-12-17	REVISIONS
33	05-12-17	REVISIONS
34	05-12-17	REVISIONS
35	05-12-17	REVISIONS
36	05-12-17	REVISIONS
37	05-12-17	REVISIONS
38	05-12-17	REVISIONS
39	05-12-17	REVISIONS
40	05-12-17	REVISIONS
41	05-12-17	REVISIONS
42	05-12-17	REVISIONS
43	05-12-17	REVISIONS
44	05-12-17	REVISIONS
45	05-12-17	REVISIONS
46	05-12-17	REVISIONS
47	05-12-17	REVISIONS
48	05-12-17	REVISIONS
49	05-12-17	REVISIONS
50	05-12-17	REVISIONS

WARNING!
BEFORE YOU DIG
CONTRACTOR SHALL FIELD
LOCATE ALL EXISTING
UNDERGROUND UTILITIES
AND IMPROVEMENTS IN
THE PROJECT AREA

CALL BEFORE YOU DIG -
EL PASO ELECTRIC COMPANY
1-800-DIG-TESS
469-5700
469-5701
469-5702
469-5703
469-5704
469-5705
469-5706
469-5707
469-5708
469-5709
469-5710
469-5711
469-5712
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469-5795
469-5796
469-5797
469-5798
469-5799
469-5800

RECORD DRAWING

JOHN C. KARLSRUHER
REGISTERED PROFESSIONAL ENGINEER
No. 53878
STATE OF TEXAS

CSA design group, inc.
Texas Professional Engineers Firm E-6887
1845 North Rossen Dr., Ste C
El Paso, Texas 79912
Tel: (915) 877-4155
Fax: (915) 877-4334
www.csadesigngroup.com

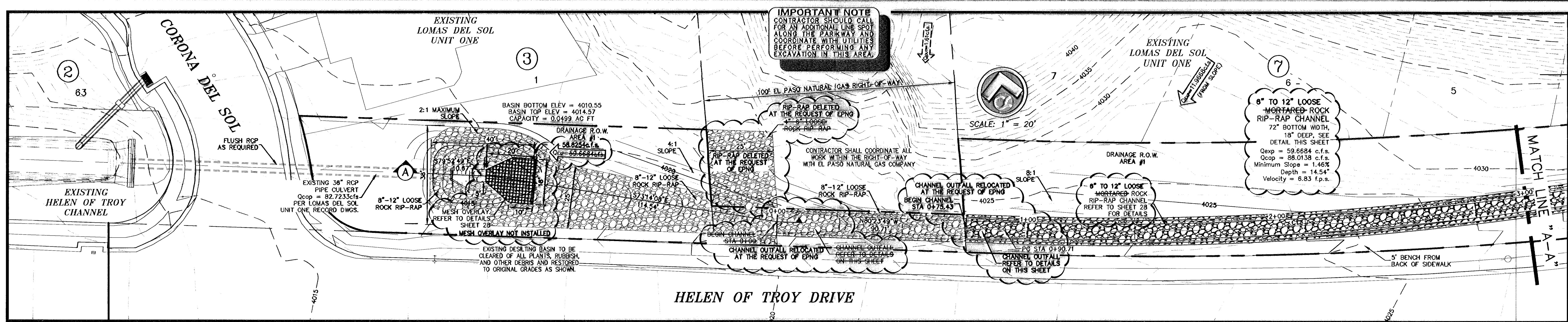
CIMARRON SKY SUBDIVISION

SHEET TITLE
STORM SEWER DETAILS

COB-SH 9011
SCALE BY 12/10/09
DRAWN BY AS NOTED
CHECKED BY
DATE 12/10/09
SCALE

SHEET NO. 26
OF 33

600824



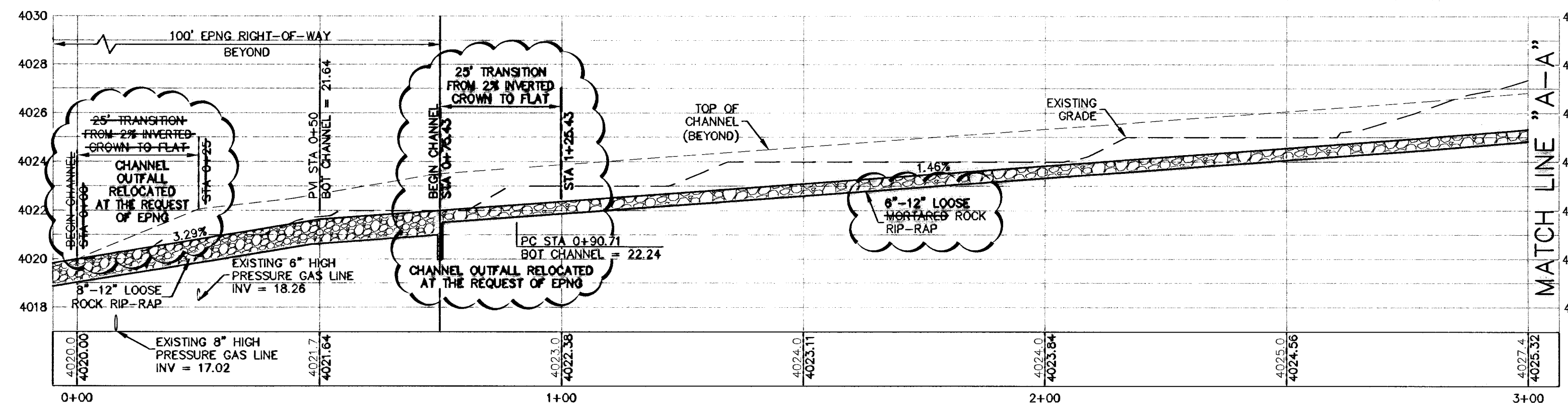
IMPORTANT NOTE
CONTRACTOR SHOULD CALL FOR AN ADDITIONAL LINE SPOT ALONG THE PARKWAY AND COORDINATE WITH UTILITIES BEFORE PERFORMING ANY EXCAVATION IN THIS AREA.

HELEN OF TROY DRIVE

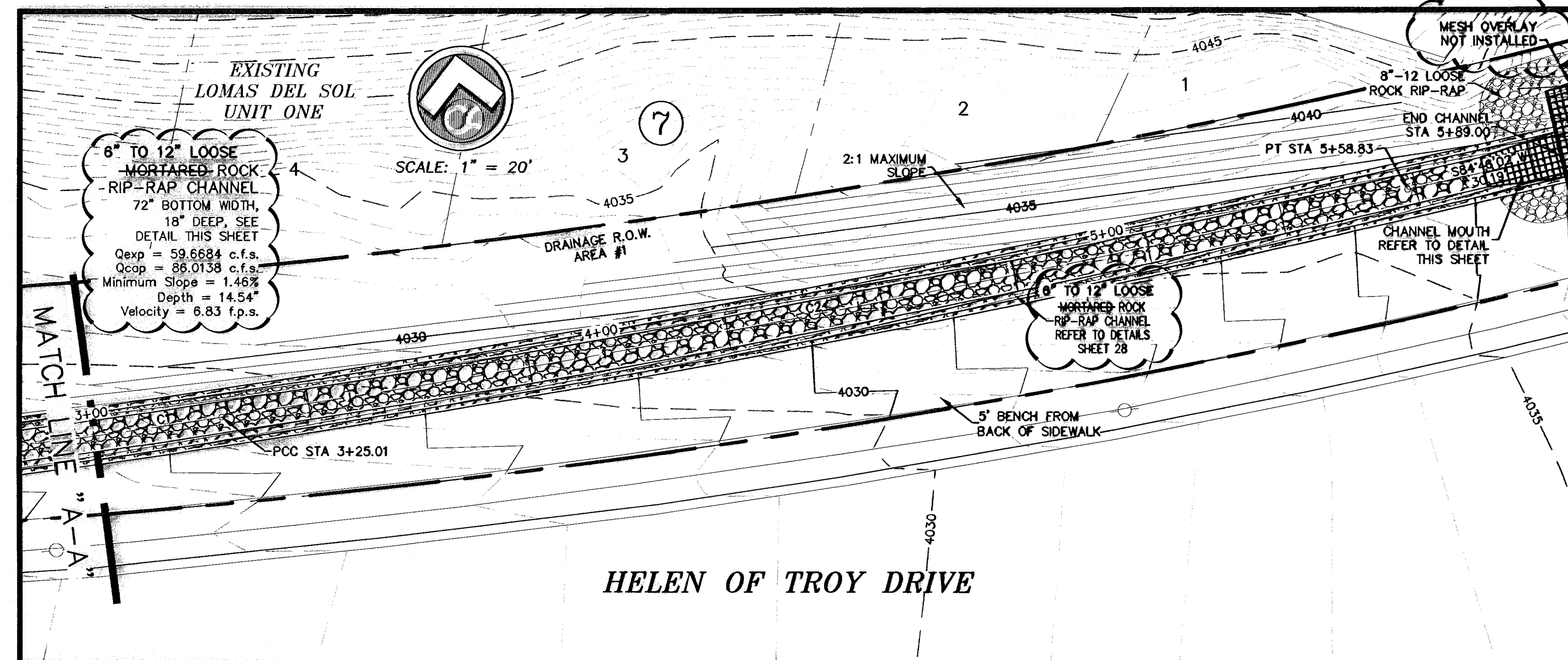
CURVE TABLE

CURVE	RADIUS	LENGTH	TANGENT	CHORD	BEARING	DELTA
C1	1248.55	234.31	117.50	233.97	S85°48'54"E	10°48'11"
C2	3337.09	233.82	118.96	233.77	N86°49'34"E	4°00'52"

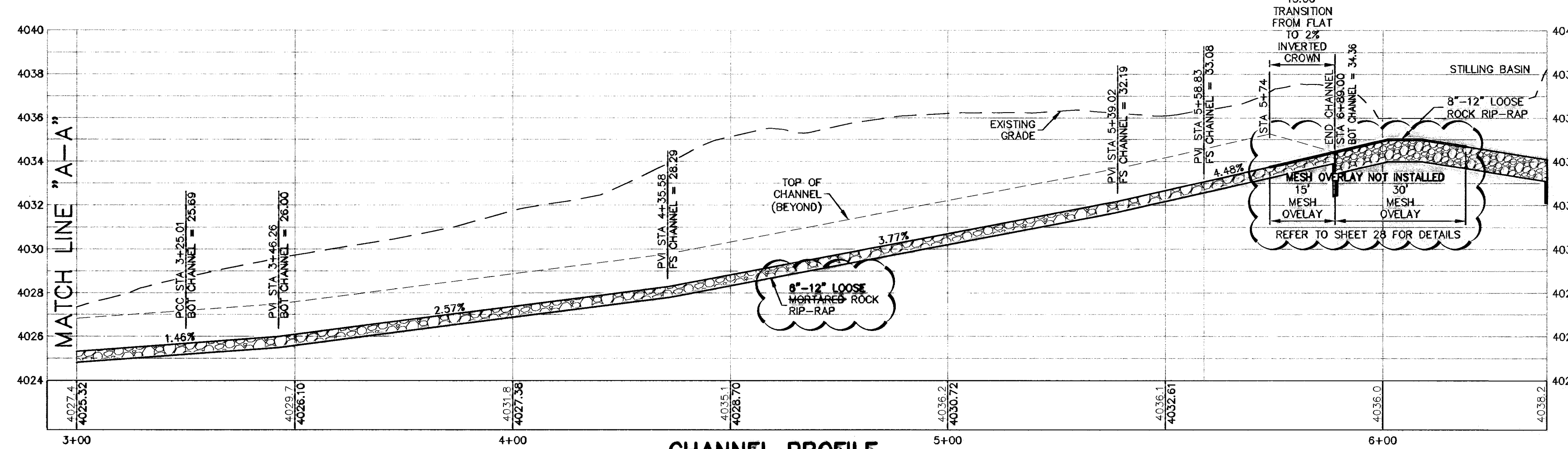
ALL RUN OFF CALCULATIONS ARE BASED ON THE 100-YEAR STORM FREQUENCY.



CHANNEL PROFILE
SCALE: 1" = 20' HORIZ.
1" = 4' VERT.



HELEN OF TROY DRIVE



CHANNEL PROFILE
SCALE: 1" = 20' HORIZ.
1" = 4' VERT.

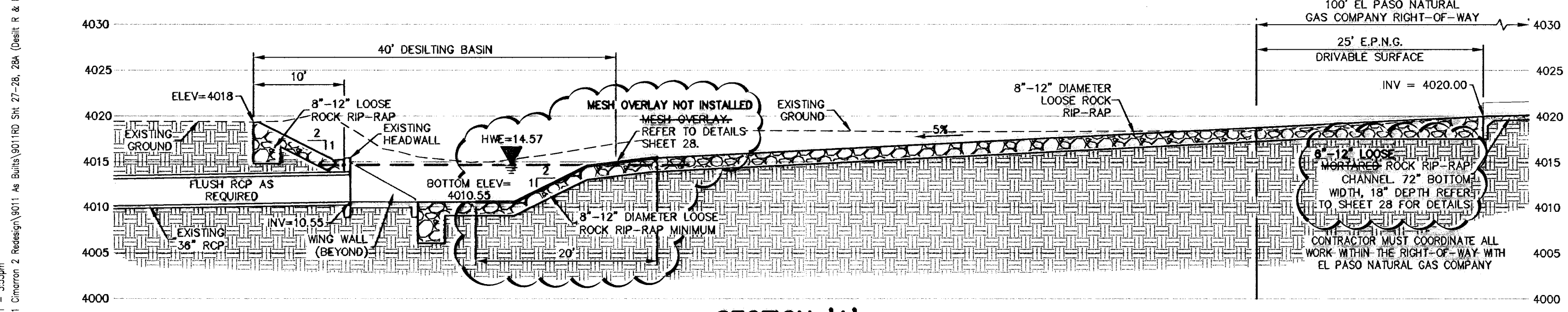
NOTES: INSTALLED LOOSE ROCK

- ALL ROCK SHALL BE QUARRIED AND OF A DIAMETER NOT LESS THAN 9" OR GREATER THAN 12" ON AVERAGE. THE CHANNEL SHALL BE CONSTRUCTED OF NOT LESS THAN 50 PERCENT 12" DIAMETER ROCK.
- MORTAR MIX SHOULD ACHIEVE A MINIMUM COMPRESSIVE STRENGTH OF 1800 PSI AT 28 DAYS OF CURE.
- ALL SUBGRADE SHOULD ACHIEVE 95% PROCTOR PER ASTM D-1557.

FS = FINISHED SURFACE

CHANNEL OUTFALL
SCALE: 1/4" = 1'-0"

CHANNEL MOUTH
SCALE: 1/4" = 1'-0"



SECTION 'A'
SCALE: 1" = 10'-0"

RECORD DRAWING

WARNING! BEFORE YOU DIG - CALL

BEFORE YOU DIG - CALL
EL PASO ELECTRIC COMPANY
AT&T
TEXAS GAS SERVICE
EL PASO WATER UTILITIES (PWS)
AFTER HOURS EMERGENCY (EPWU)
EL PASO COUNTY PLANNING & DEVELOPMENT DEPARTMENT
TEXAS EXCAVATION SAFETY SYSTEM

1-800-DIG-TESS
1-800-830-3000
1-800-830-3003
1-800-830-3003
1-800-830-3003
1-800-830-3003
1-800-830-3003
1-800-830-3003

STATE OF TEXAS
REGISTERED PROFESSIONAL ENGINEER
JOHN C. KARLSRUHER
53878

csa design group, inc.
Texas Registered Engineering Firm E-0987
1845 Northwestern Dr. Ste C
El Paso, Texas 79912
tel (915) 877.4155
fax (915) 877.4334
www.csaengineers.com

CIMARRON SKY SUBDIVISION
SHEET TITLE
DESILTING BASIN RESTORATION & CHANNEL

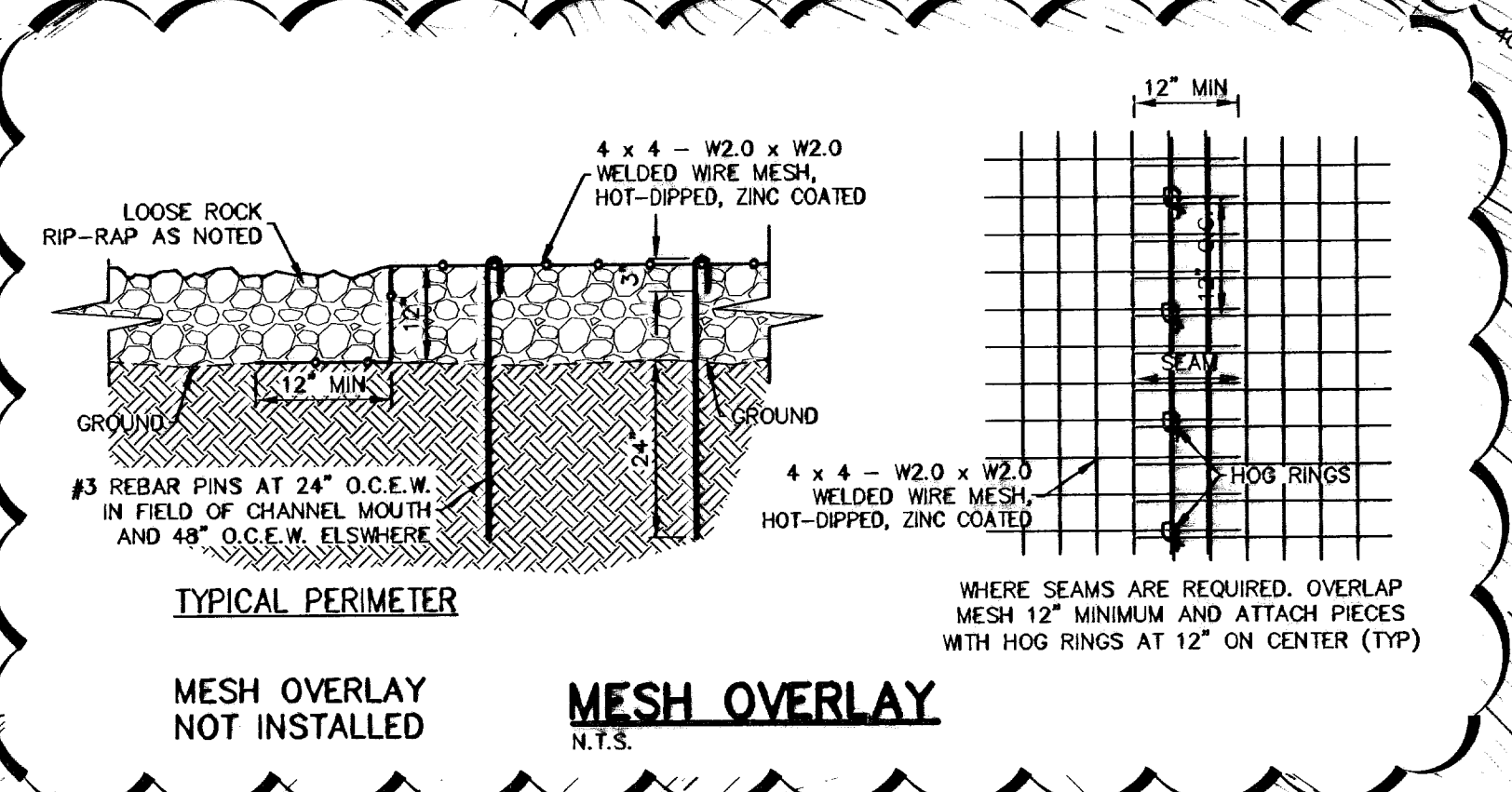
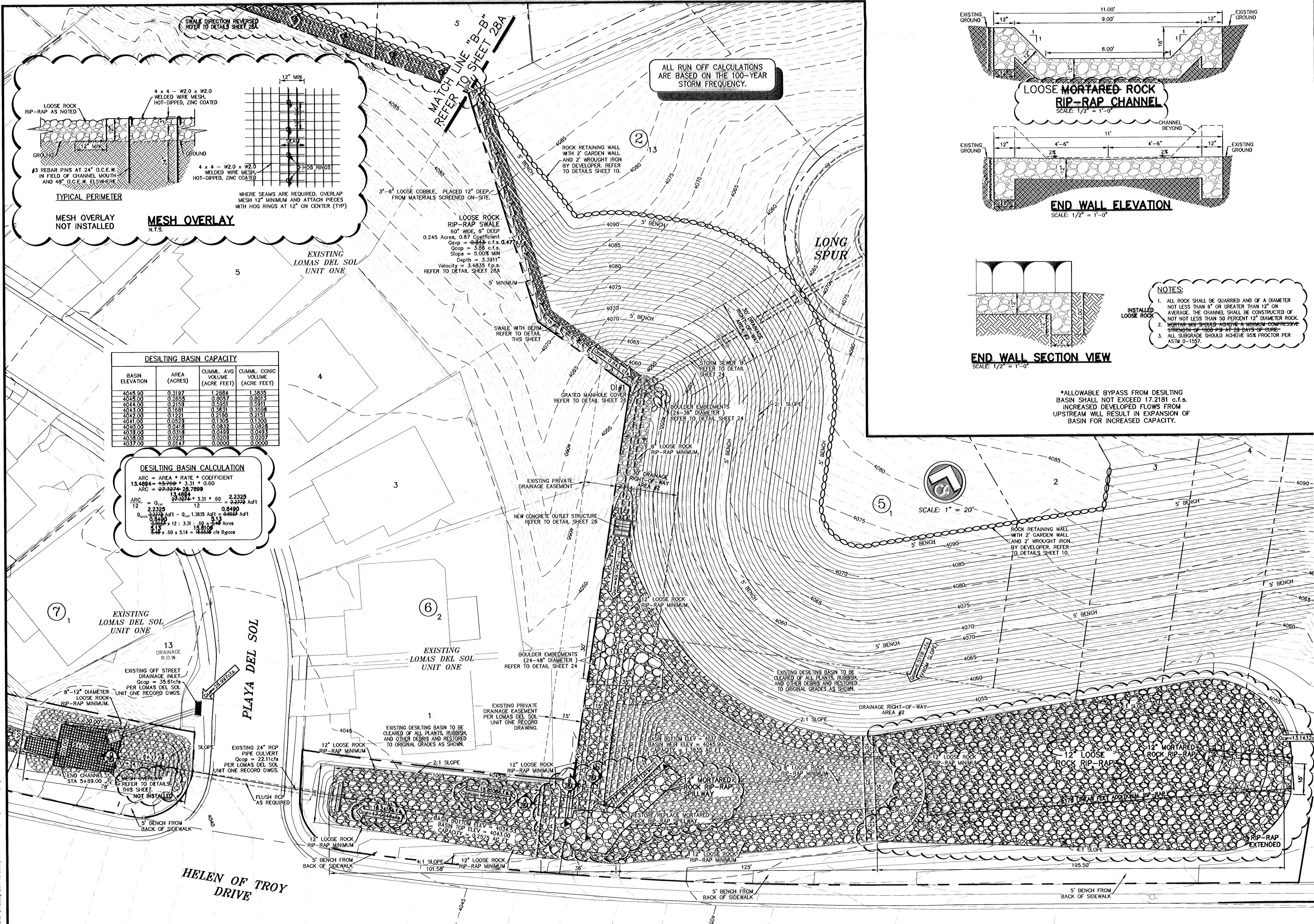
COB-SH 9011
DCC-COB-SH 28
DRAWN BY 12/10/09
SA DATE
CHECKED BY AS NOTED
SCALE

BY
NO. DATE
DESCRIPTION
7 05-12-11 RECORD DRAWINGS
6 04-14-10 Revised to include Lomas del Sol
5 02-07-10 Revised to include Lomas del Sol
4 02-26-10 Revisions to rock wall detail
3 01-12-10 FINAL SUBMITTAL
2 01-26-10 2nd City Submittal
1 12-10-09 1st City Submittal

800824

27

33



DESILTING BASIN CAPACITY

BASIN ELEVATION	AREA (ACRES)	CUMUL. AVG VOLUME (ACRE FEET)	CUMUL. CONIC VOLUME (ACRE FEET)
4045.50	0.3197	1.2884	1.3835
4045.00	0.2655	0.8057	0.8013
4044.00	0.2159	0.5551	0.5511
4043.00	0.1651	0.3831	0.3595
4042.00	0.1221	0.2180	0.2151
4041.00	0.0529	0.1158	0.1130
4040.00	0.0418	0.0812	0.0828
4039.00	0.0318	0.0493	0.0493
4038.00	0.0231	0.0269	0.0267
4037.00	0.0147	0.0063	0.0050

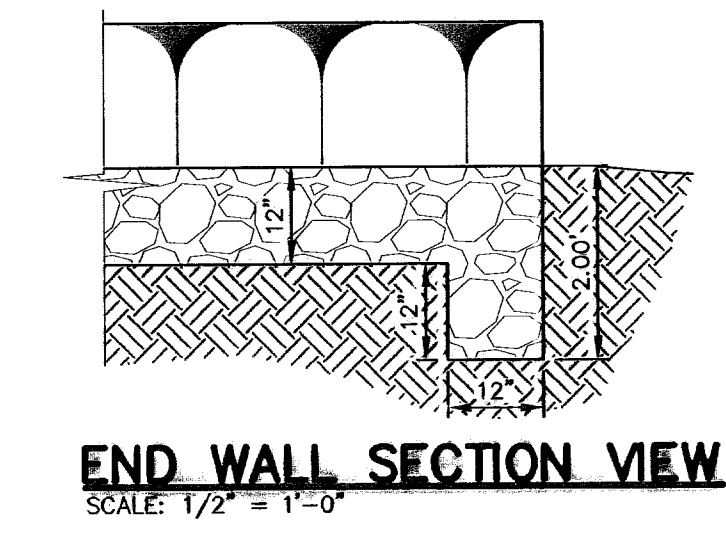
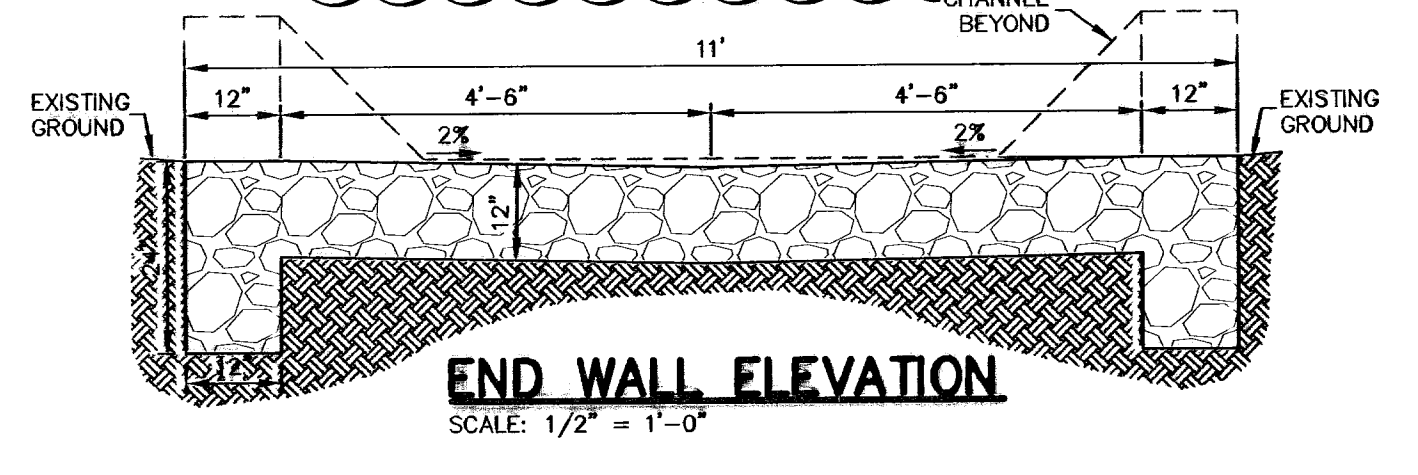
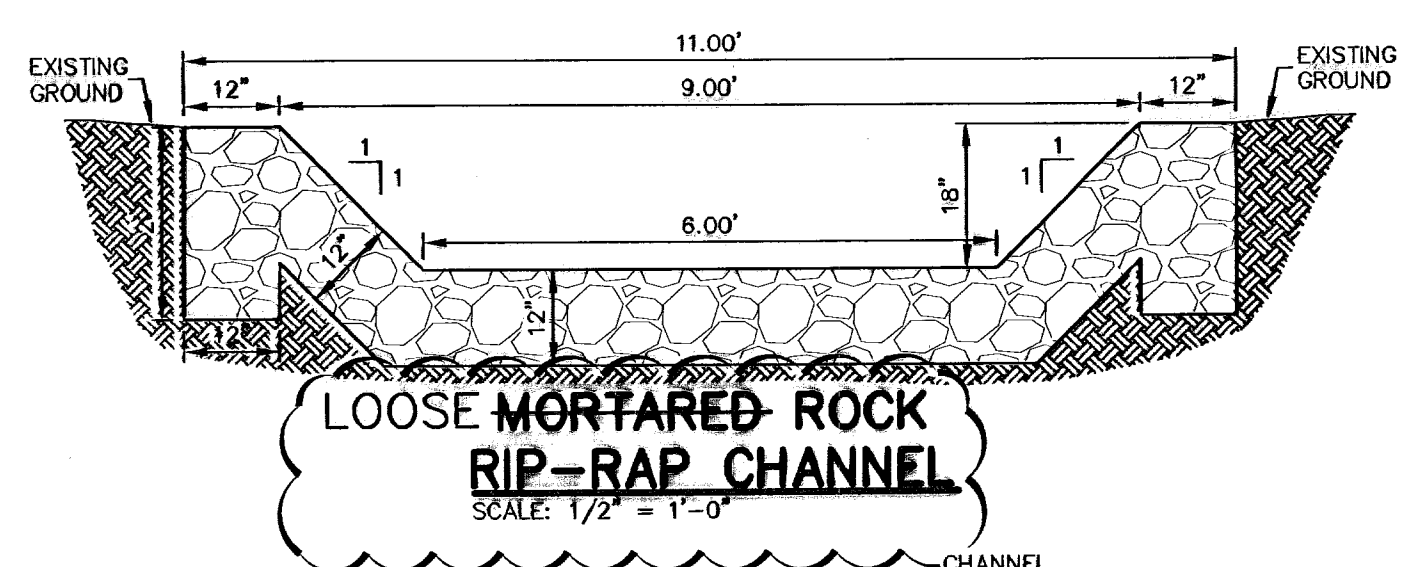
DESILTING BASIN CALCULATION

ARC = AREA * RATE * COEFFICIENT
 $13.4994 = 43.769 * 3.31 * 0.60$
 ARC = 29.5274 28.7899

ARC = $\frac{13.4994}{29.5274} * 3.31 * .60 = 2.2325$ Asft
 $\frac{13.4994}{29.5274} * 12 = 5.51$ Acres

ARC = $\frac{2.2325}{5.51} * 12 = 4.8104$ cfs Bypass

ALL RUN OFF CALCULATIONS ARE BASED ON THE 100-YEAR STORM FREQUENCY.



- NOTES:**
- ALL ROCK SHALL BE QUARRIED AND OF A DIAMETER NOT LESS THAN 6" OR GREATER THAN 12" ON AVERAGE. THE CHANNEL SHALL BE CONSTRUCTED OF NOT LESS THAN 50 PERCENT 12" DIAMETER ROCK.
 - ROCK SHALL BE WASHED TO REMOVE ALL COMPRESSIVE STRENGTH OF 1000 P.S.I. AT 28 DAYS OF CURE.
 - ALL SUBGRADE SHOULD ACHIEVE 95% PROCTOR PER ASTM D-1557.

*ALLOWABLE BYPASS FROM DESILTING BASIN SHALL NOT EXCEED 17,2181 c.f.s. INCREASED DEVELOPED FLOWS FROM UPSTREAM WILL RESULT IN EXPANSION OF BASIN FOR INCREASED CAPACITY.

RECORD DRAWING

STATE OF TEXAS
 JOHN C. KARLSRUHER
 53878
 REGISTERED PROFESSIONAL ENGINEER

csa design group, inc.
 Texas Registered Engineering Firm #497
 1845 Northwestern Dr., Ste C
 El Paso, Texas 79912
 tel (915) 877.4155
 fax (915) 877.4334
 www.csaengineers.com

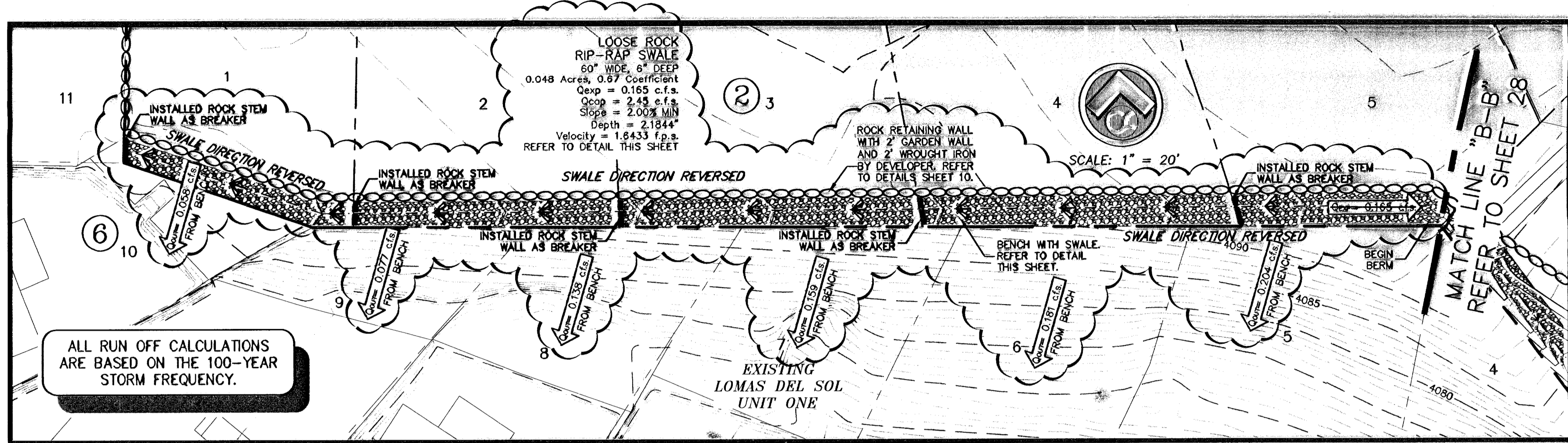
CIMARRON SKY SUBDIVISION

SHEET TITLE
DESILTING BASIN RESTORATION & CHANNEL

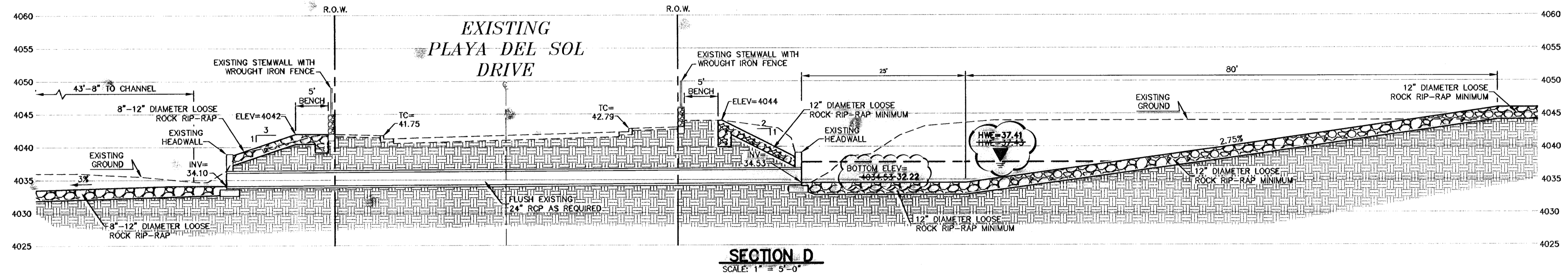
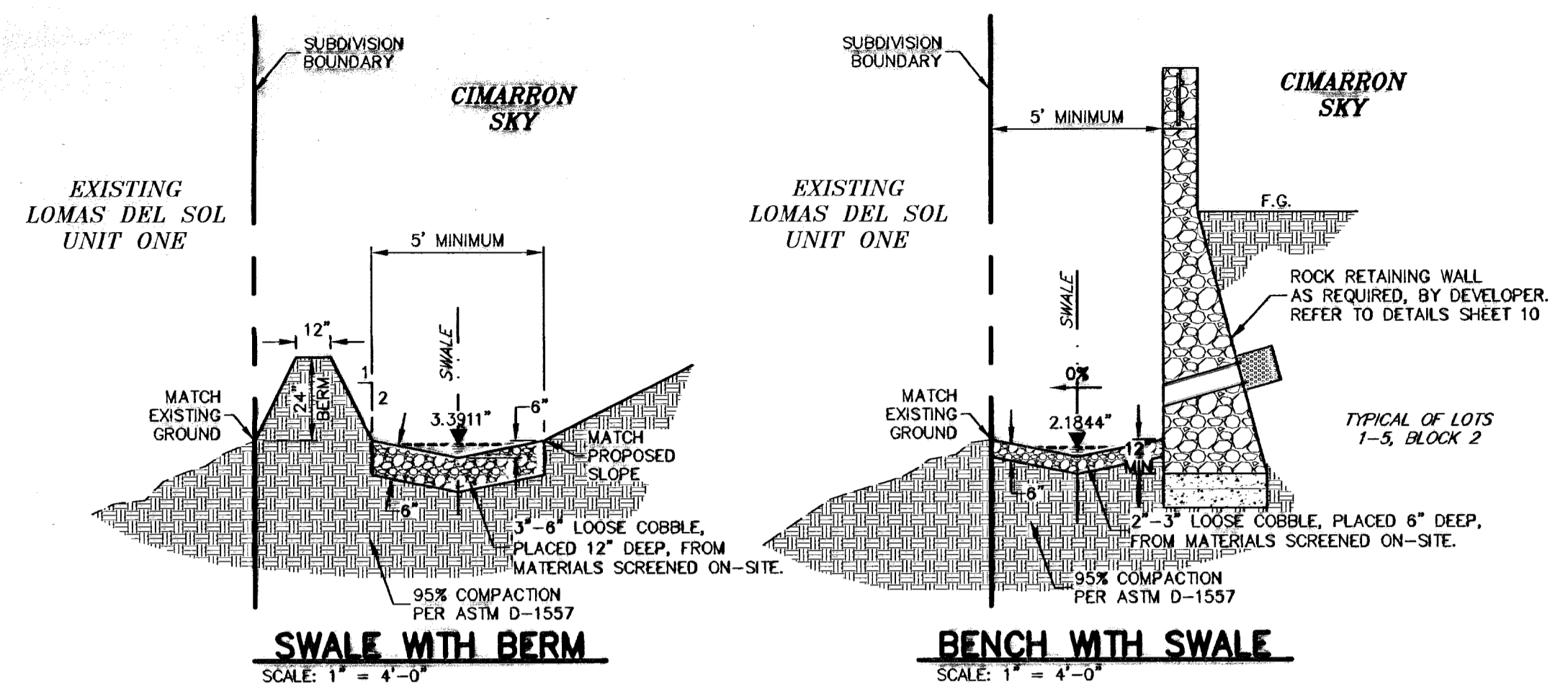
00B-SH 9011
 12/10/09
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 28
 33

600824

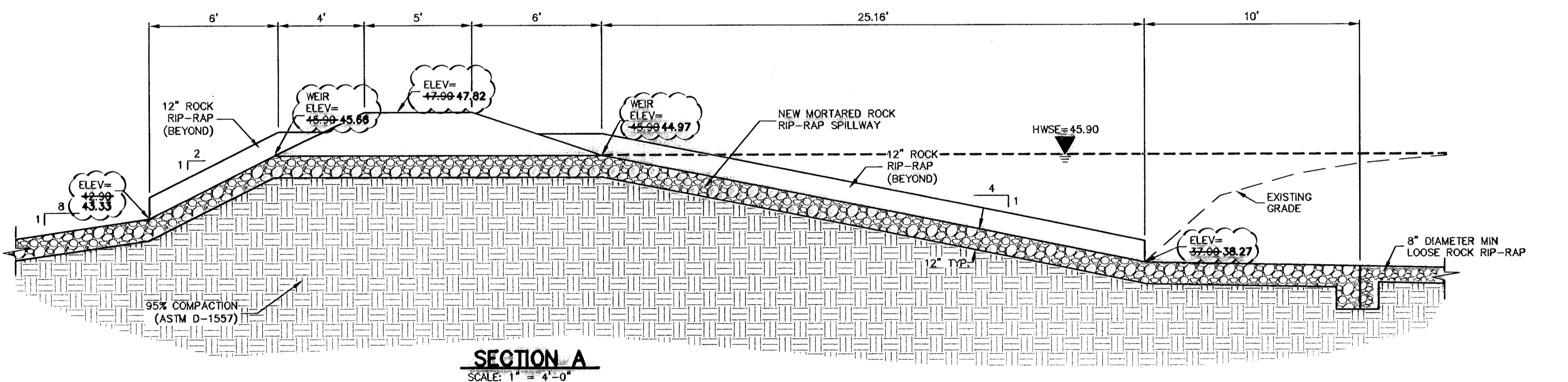
May 11, 2011 - 1:45pm
 S:\Draw\0011_Cimarron_Sky\0011_Ar_Basins\0011.Dwg (Date: R & S).dwg



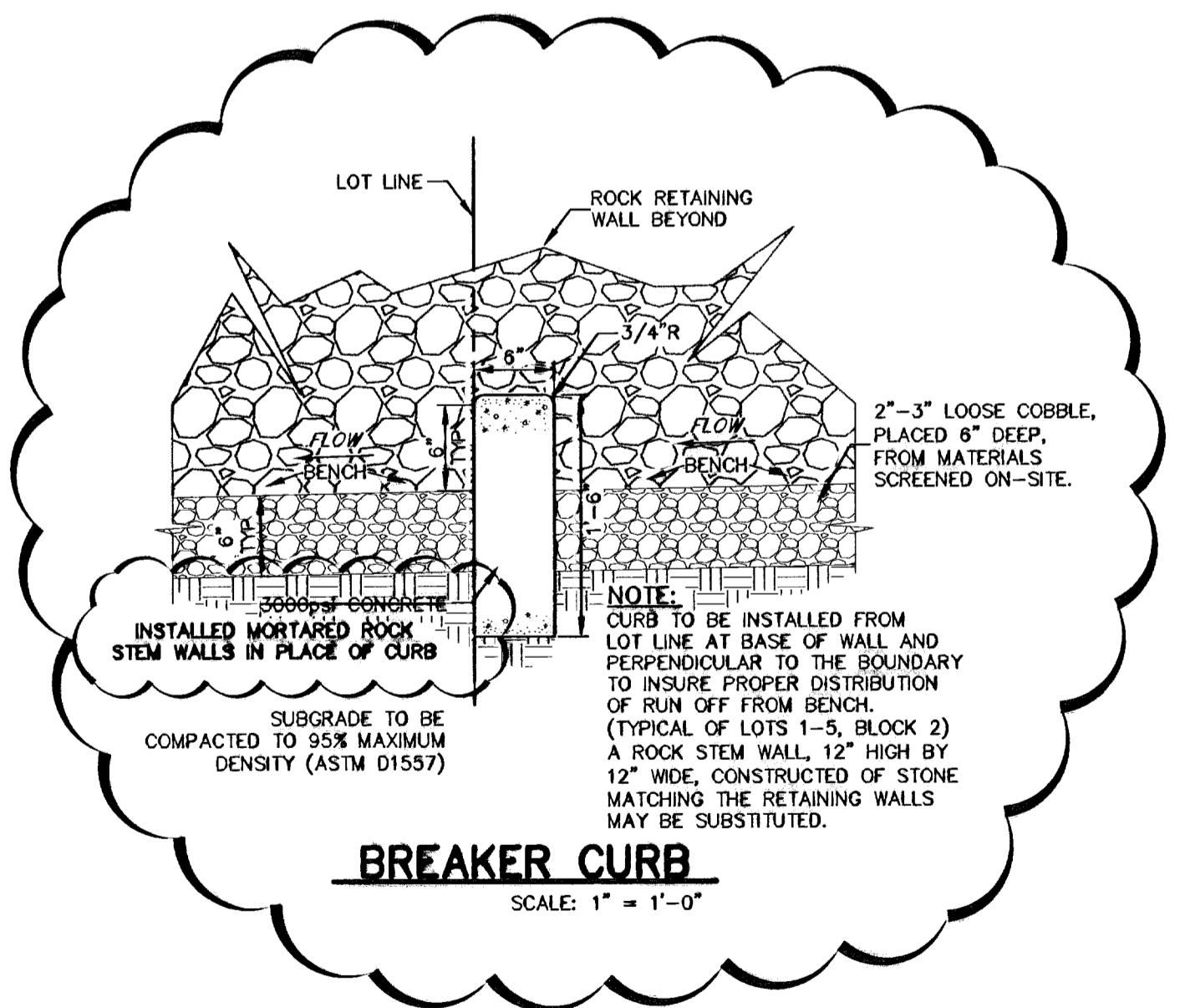
ALL RUN OFF CALCULATIONS ARE BASED ON THE 100-YEAR STORM FREQUENCY.



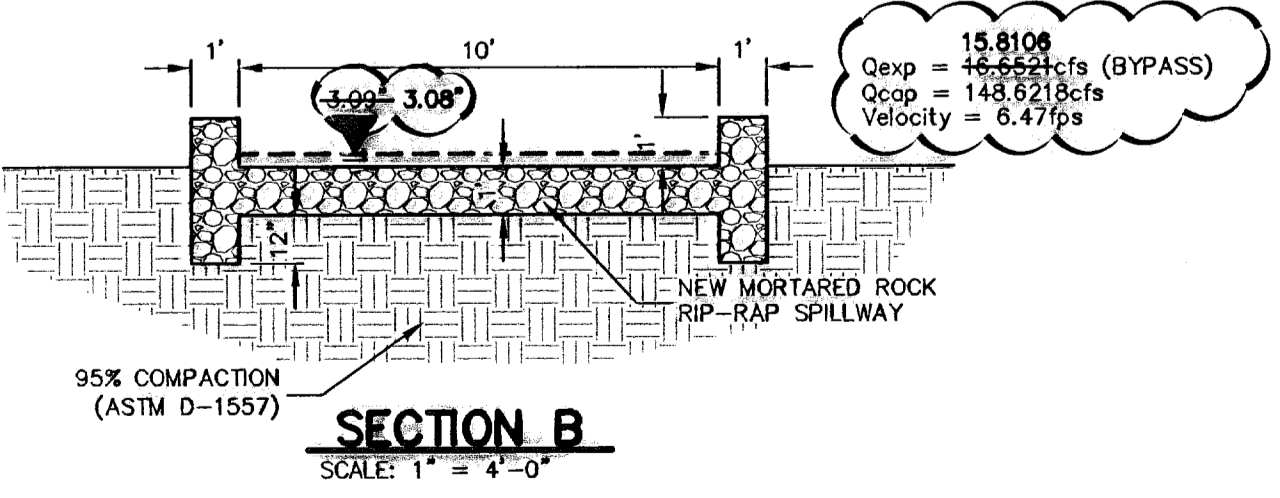
SECTION D
SCALE: 1" = 5'-0"



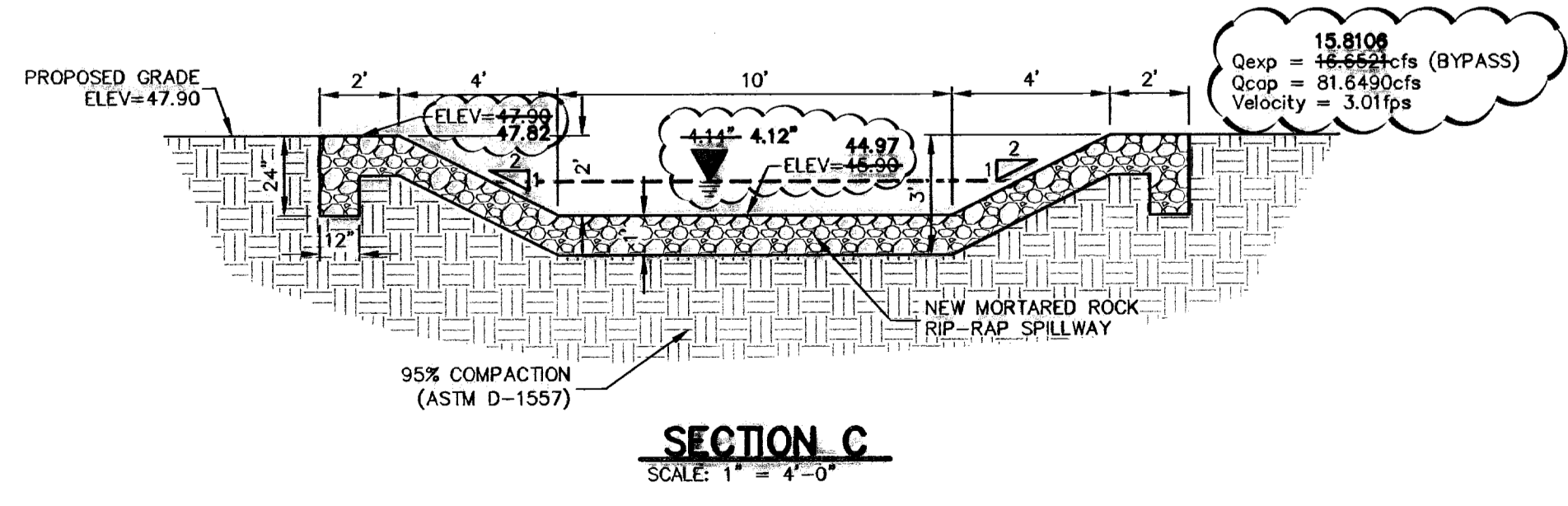
SECTION A
SCALE: 1" = 4'-0"



BREAKER CURB
SCALE: 1" = 1'-0"



SECTION B
SCALE: 1" = 4'-0"



SECTION C
SCALE: 1" = 4'-0"

NO.	DATE	DESCRIPTION
1	02-12-10	RECORD DRAWINGS
2	02-12-10	REVISION TO SWALE DIRECTION
3	02-12-10	REVISION TO SWALE DIRECTION
4	02-12-10	REVISION TO SWALE DIRECTION
5	02-12-10	REVISION TO SWALE DIRECTION
6	02-12-10	REVISION TO SWALE DIRECTION
7	02-12-10	REVISION TO SWALE DIRECTION
8	02-12-10	REVISION TO SWALE DIRECTION
9	02-12-10	REVISION TO SWALE DIRECTION
10	02-12-10	REVISION TO SWALE DIRECTION
11	02-12-10	REVISION TO SWALE DIRECTION
12	02-12-10	REVISION TO SWALE DIRECTION
13	02-12-10	REVISION TO SWALE DIRECTION
14	02-12-10	REVISION TO SWALE DIRECTION
15	02-12-10	REVISION TO SWALE DIRECTION
16	02-12-10	REVISION TO SWALE DIRECTION
17	02-12-10	REVISION TO SWALE DIRECTION
18	02-12-10	REVISION TO SWALE DIRECTION
19	02-12-10	REVISION TO SWALE DIRECTION
20	02-12-10	REVISION TO SWALE DIRECTION

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CONTRACTOR SHALL FIELD
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UNDERGROUND UTILITIES
AND IMPROVEMENTS IN
THE PROJECT AREA

CALL
BEFORE YOU DIG -
EL PASO ELECTRIC COMPANY
1-800-DIG-TESS
EL PASO GAS SERVICE
1-800-DIG-TESS
EL PASO WATER UTILITIES (EPWU)
1-800-DIG-TESS
TIME WARNER CABLE
775-7414
EL PASO COUNTY
1-800-DIG-TESS
(244-5377)

RECORD DRAWING

CSA DESIGN GROUP, INC.
Texas Registered Engineering Firm, FRAGR
1845 Northwestern Dr. Ste C
El Paso, Texas 79912
Tel (915) 877 4155
Fax (915) 877 4334
www.csaengineers.com

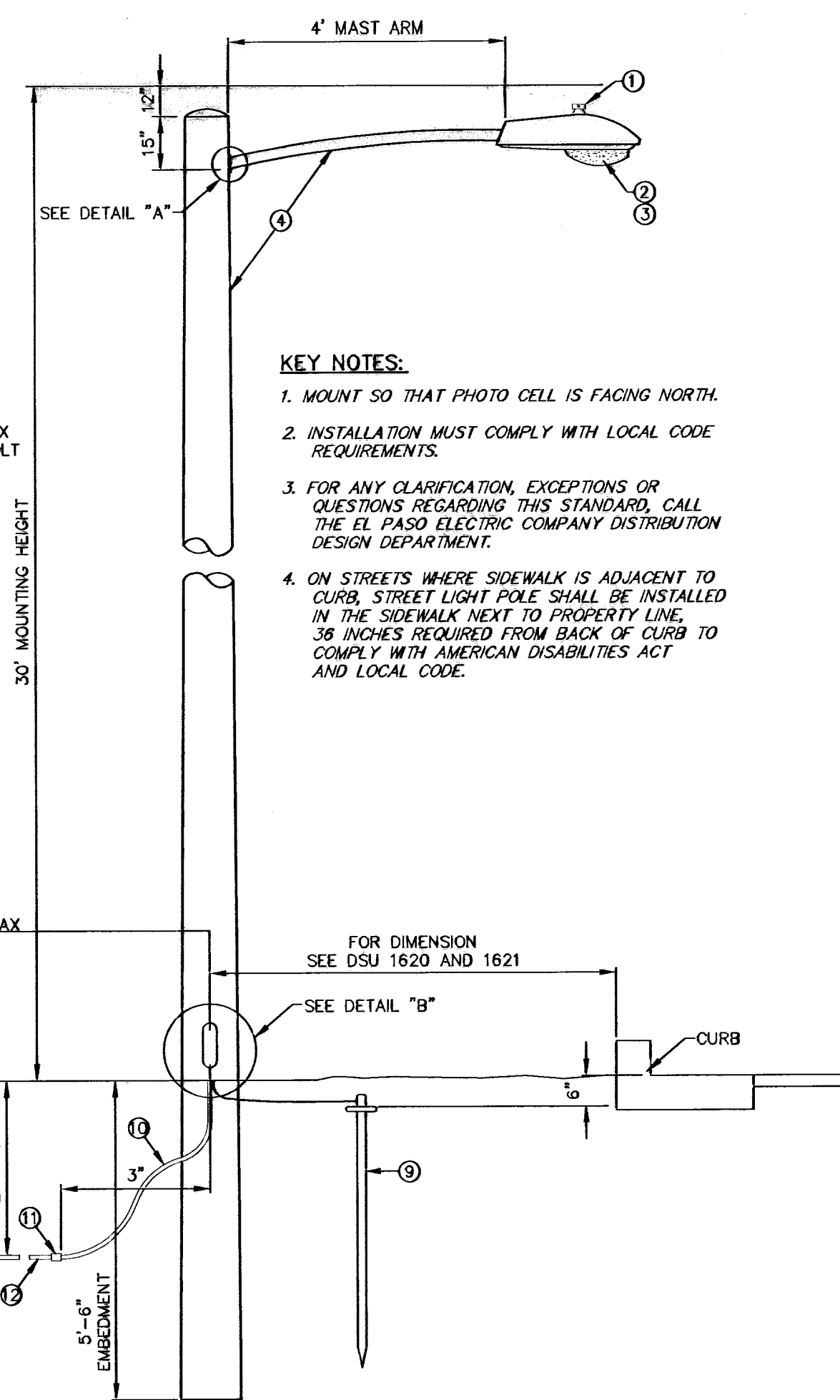
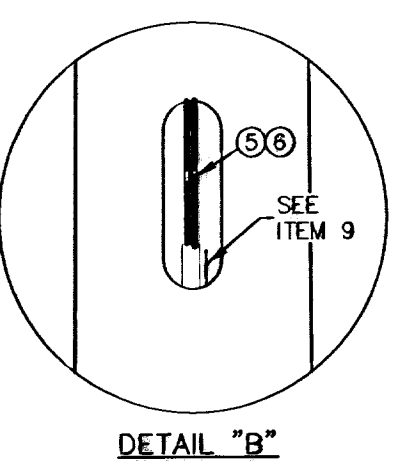
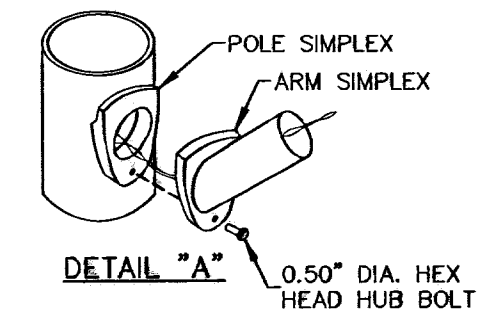
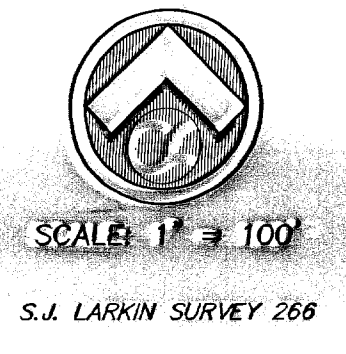
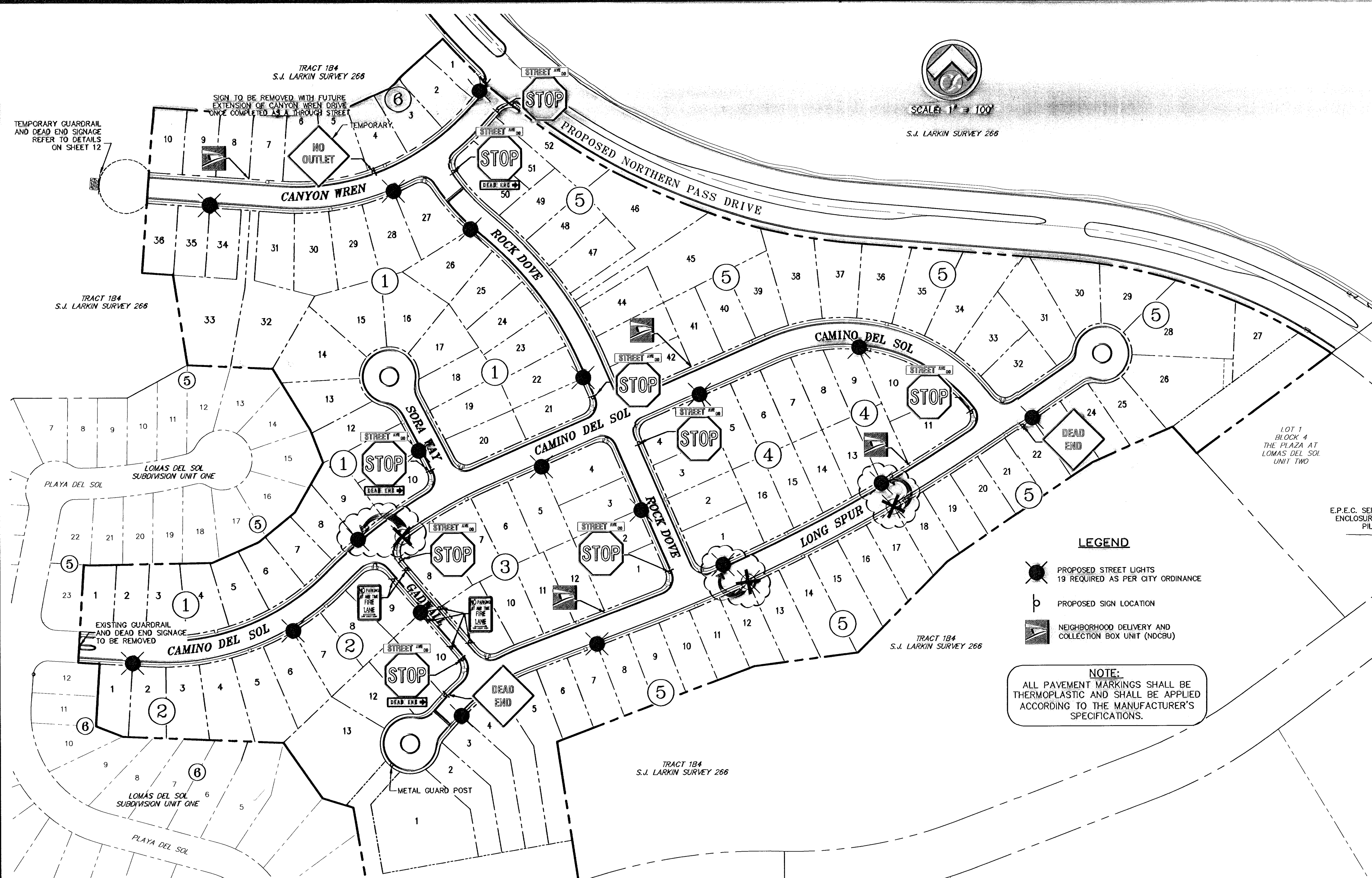
STATE OF TEXAS
JOHN K. KARLSRUBER
REGISTERED PROFESSIONAL ENGINEER
No. 33878

CIMARRON SKY SUBDIVISION
SHEET TITLE
DESILTING BASIN RESTORATION & CHANNEL

COB-SH	9011
DATE BY	JLR/ML
DC-COB-SH	12/10/09
DATE BY	SAW
DESIGNED BY	AS NOTED
SHEET NO.	28A
TOTAL SHEETS	33

600824

Nov 11, 2011 11:46am
S:\Data\2011\Projects\2\Repeals\2011\B\Bain\2011\SD 27-28, 28A (Detail R & B).dwg
garcia



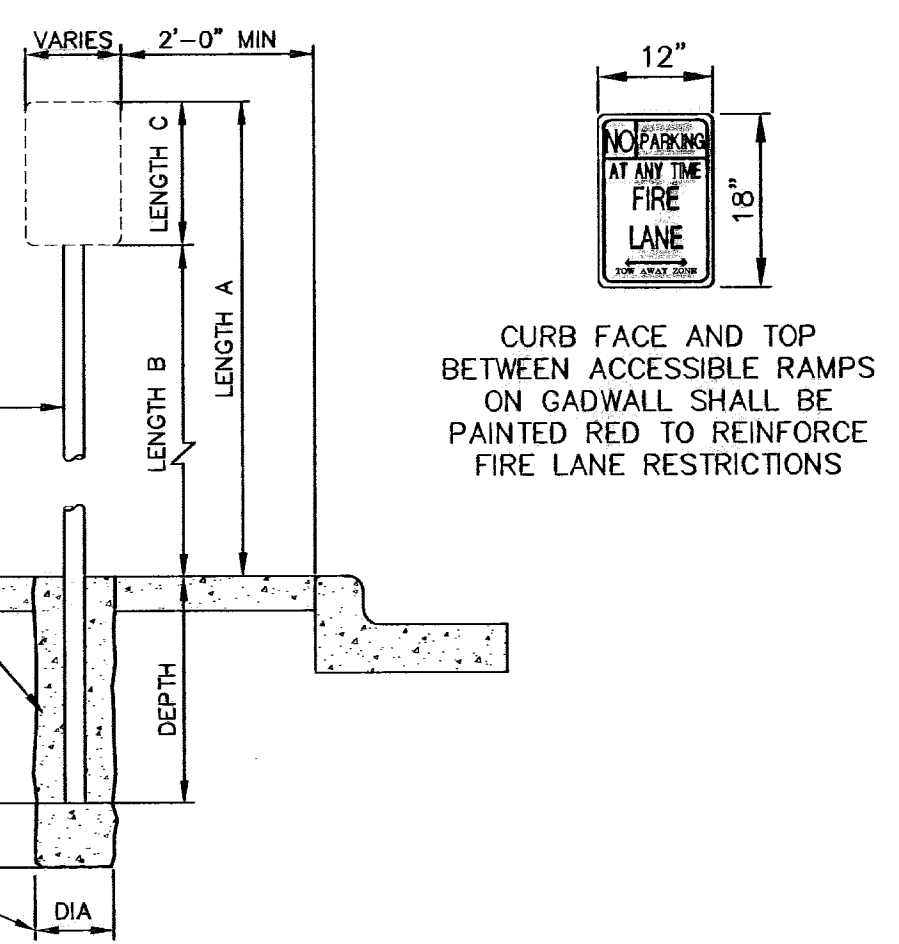
- KEY NOTES:**
1. MOUNT SO THAT PHOTO CELL IS FACING NORTH.
 2. INSTALLATION MUST COMPLY WITH LOCAL CODE REQUIREMENTS.
 3. FOR ANY CLARIFICATION, EXCEPTIONS OR QUESTIONS REGARDING THIS STANDARD, CALL THE EL PASO ELECTRIC COMPANY DISTRIBUTION DESIGN DEPARTMENT.
 4. ON STREETS WHERE SIDEWALK IS ADJACENT TO CURB, STREET LIGHT POLE SHALL BE INSTALLED IN THE SIDEWALK NEXT TO PROPERTY LINE. 36 INCHES REQUIRED FROM BACK OF CURB TO COMPLY WITH AMERICAN DISABILITIES ACT AND LOCAL CODE.

- LEGEND**
- PROPOSED STREET LIGHTS
19 REQUIRED AS PER CITY ORDINANCE
 - Ⓟ PROPOSED SIGN LOCATION
 - Ⓛ NEIGHBORHOOD DELIVERY AND COLLECTION BOX UNIT (NDCBU)

NOTE:
ALL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC AND SHALL BE APPLIED ACCORDING TO THE MANUFACTURER'S SPECIFICATIONS.

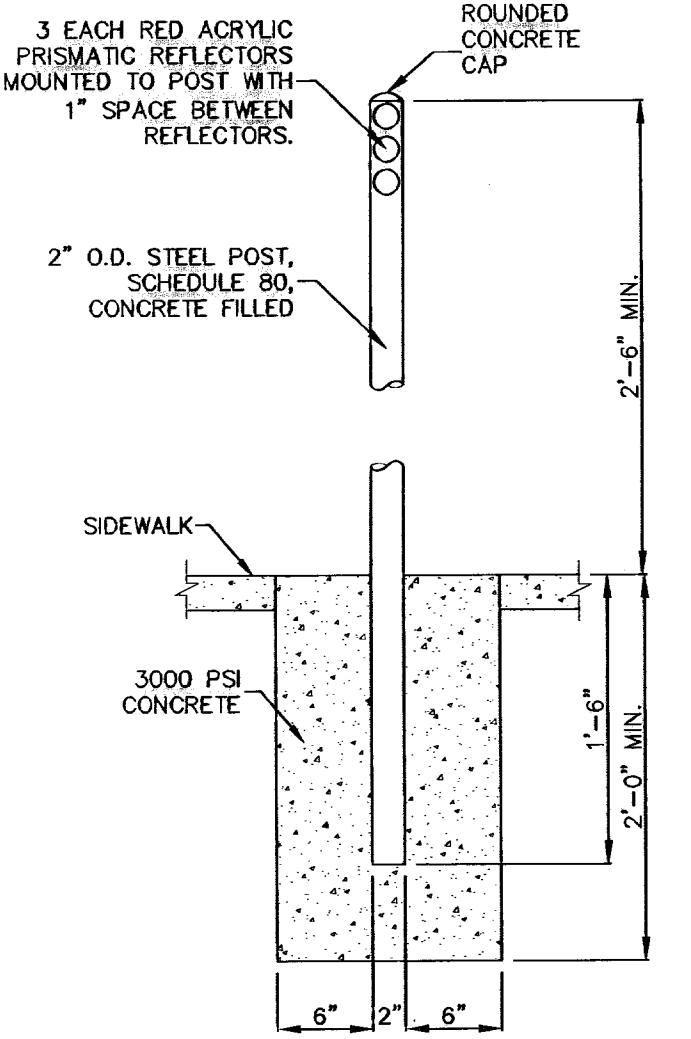
ITEM NO.	DIRECT EMBEDDED SL STANDARD	STOCK/DSU NO.	QTY.	C/U CODE	MACRO CODE
1	PHOTO CELL, 240 V. SEE NOTE 1	21-225	1		
2	HPS LAMP, 100W	21-085	1	LC0BR4H0	
3	LUMINAIRE, 100W H.P.S.	21-335	1		
4	D.E. STANDARD, 34" WITH 4" MAST ARM	09-310	1	L34STLUG	
5	FUSE TUB	21-240	1	LFUSE10A	
6	FUSEHOLDER - 30A SUBMERSIBLE	21-248	1	LFUSEH30	
7	COPPER CABLE, #12, SOLID, 600V, RED	13-702	70'	LC#12CU	
8	BUTT SPLICE, #12 - #12	05-140	2	LSLV1210	
9	5/8" x 10" CU BONDED GROUND ROD	08-628	1		LSTLDEUG
9	5/8" GROUND ROD CLAMP	07-461	1		LGRNDROD
	TRANSFORMER GROUND CLAMP	04-100	1		
	#4 BARE COPPER WELD	12-106	6"		
10	1" PVC FLEX CONDUIT	21-527	6'	LPVCF1XT	
11	1" PVC FLEX CONDUIT FITTING	21-214	1	LPVCF1FIT	
12	1" PVC FEMALE ADAPTER	17-328	1	LPFADAPT1	
13	1" PVC 45 DEGREE ELBOW	17-298	1	LPEL451	
14	1" PVC COUPLING	17-298	1	LPCLG1	
15	1" PVC CONDUIT	17-299	AS REQ	LPVC1	
16	COPPER CABLE, #12, SOLID, 600V, RED	13-702	AS REQ	LC#12CU	

DIRECT EMBEDDED STANDARD FOR RESIDENTIAL STREET LIGHTING
SCALE: 1" = 2'-0"

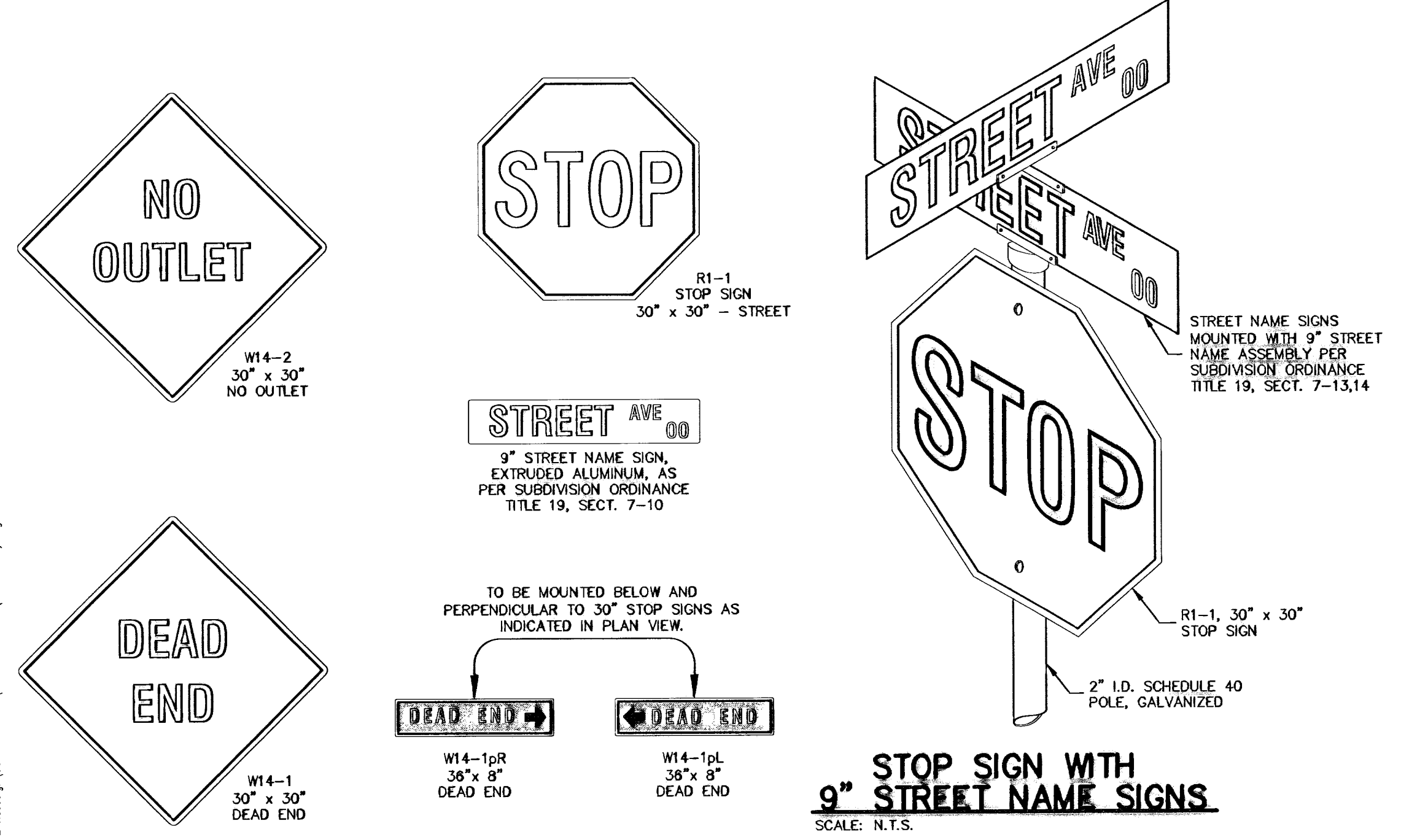


LENGTH A	LENGTH B	LENGTH C	DEPTH
10 FEET	7 FEET	LARGER THAN 24"	2 FEET
9 FEET	7 FEET	SMALLER THAN 24"	1.5 FEET

SIGN POST INSTALLATION
SCALE: 1/2" = 1'-0"



METAL GUARD POST DETAIL
SCALE: 1/2" = 1'-0"



STOP SIGN WITH 9" STREET NAME SIGNS
SCALE: N.T.S.

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

THE SUBDIVIDER SHALL BE RESPONSIBLE FOR THE MAINTENANCE AND ASSOCIATED COST OF ELECTRICAL ENERGY OF THE STREET LIGHTS UNTIL SUCH LIGHTS ARE ACCEPTED BY THE CITY OR COUNTY FOR MAINTENANCE AS PROVIDED IN SECTION 19.38.010. THE CITY OR COUNTY SHALL ACCEPT THE STREET LIGHT FOR MAINTENANCE AND ELECTRICAL ENERGY COSTS AT THE TIME IT ACCEPTS THE STREET AND OTHER PUBLIC IMPROVEMENTS WITHIN THE SUBDIVISION FOR MAINTENANCE.

PRIOR TO THE ACCEPTANCE OF THE STREET LIGHTS FOR MAINTENANCE BY THE CITY OR COUNTY, AN AMENDED ILLUMINATION PLAN SHOWING THE FINAL LOCATION OF THE STREET LIGHT INSTALLED BY THE SUBDIVIDER SHALL BE SUBMITTED TO THE DEPUTY DIRECTOR FOR ENGINEERING OR COUNTY ENGINEER.

RECORD DRAWING

BEFORE YOU DIG - CALL
EL PASO ELECTRIC COMPANY
545-5720
544-5300
562-3411/662-2008
1-800-4DCG-TESS
EL PASO WATER UTILITIES (PWS)
778-5414
778-5414
1-800-334-8047
1-800-334-4377

WARNING! BEFORE YOU DIG
CONTRACTOR SHALL FIELD LOCATE ALL EXISTING UNDERGROUND UTILITIES AND IMPROVEMENTS IN THE PROJECT AREA

ILLUMINATION PLAN

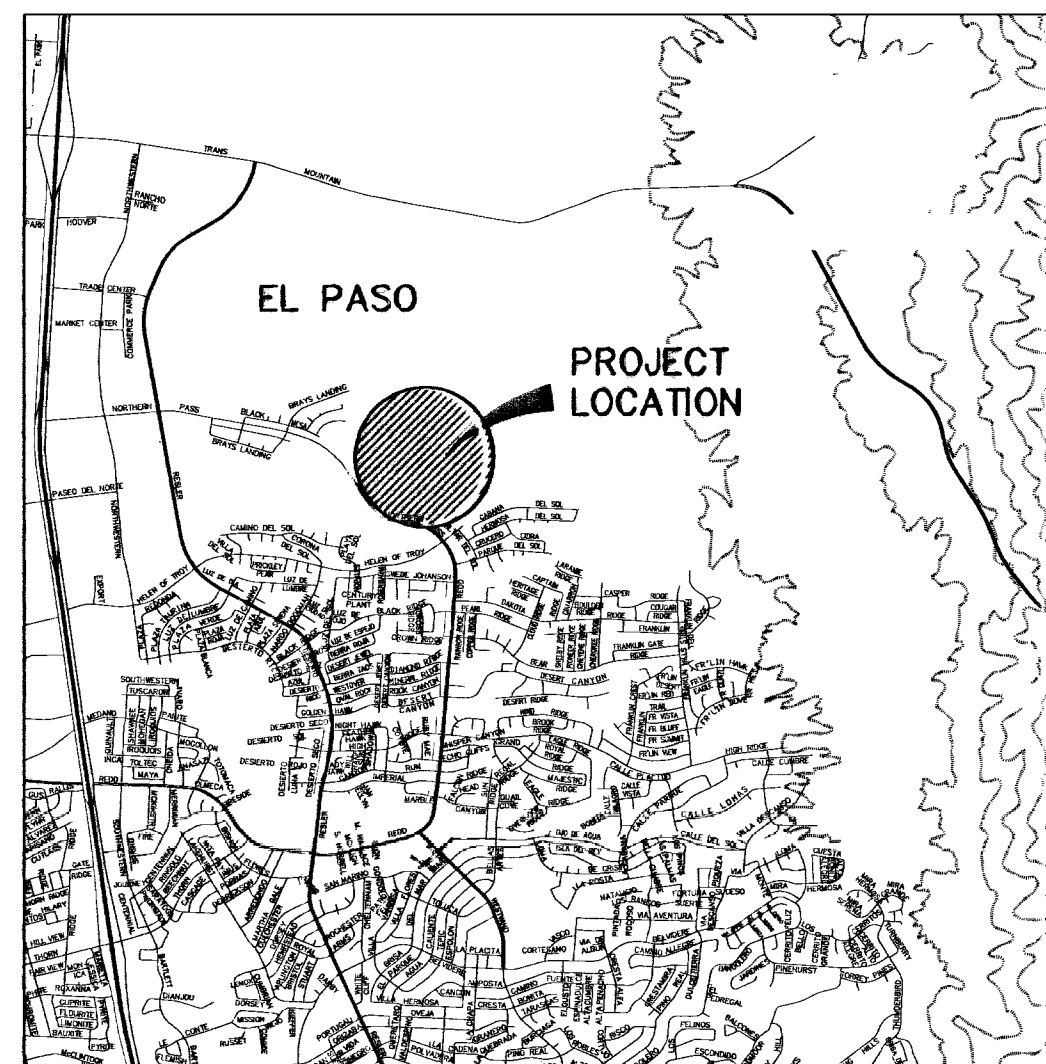
CIMARRON SKY SUBDIVISION

DESIGNER: GCB-SH
DATE: 12/10/09
SCALE: AS NOTED

SHEET NO. 29

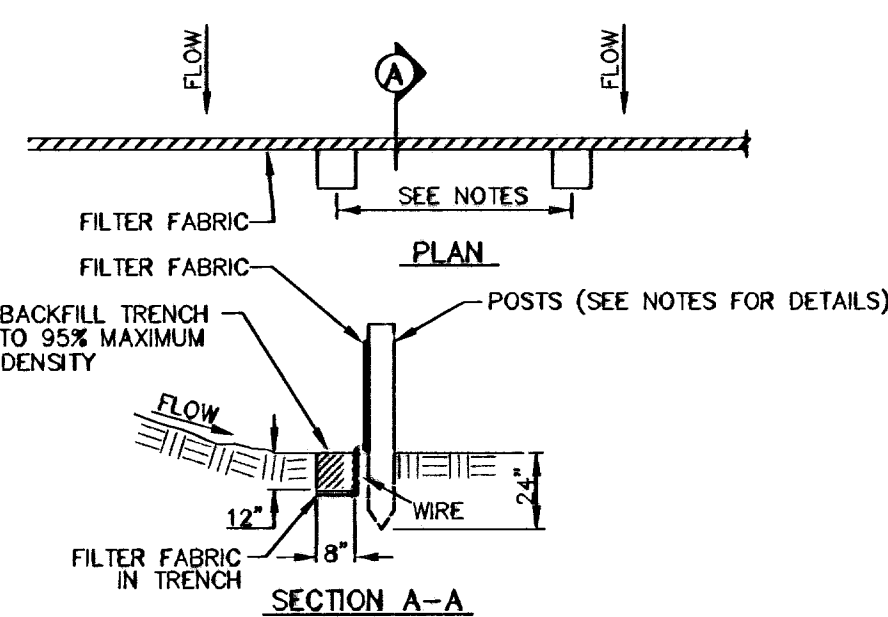
33

May 11, 2011 - 1:22pm
S:\Draw\2011\Concrete 2\Revised\0111.dwg (Lumination)\dwg



VICINITY MAP

Approx. Latitude = 31°52'51"N
Approx. Longitude = 106°31'18"W

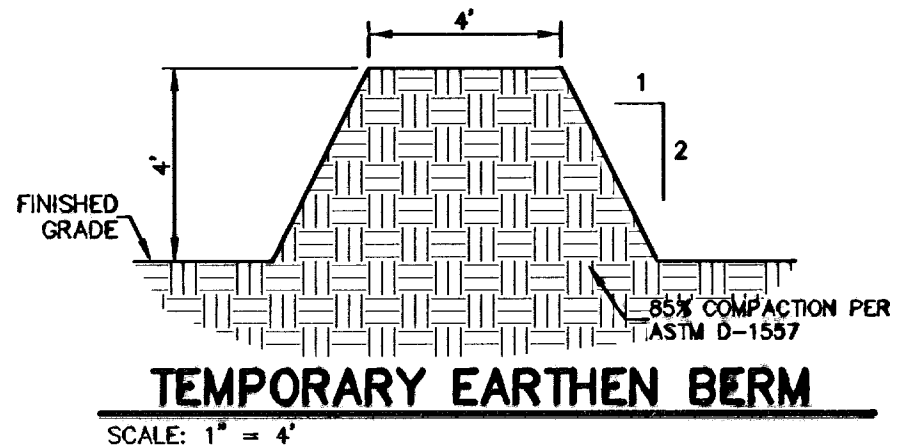


NOTES:

1. THE FENCE REQUIRES FREQUENT INSPECTION AND PROMPT MAINTENANCE TO MAINTAIN ITS EFFECTIVENESS.
2. INSPECT THE FENCE AFTER EACH RAINFALL.
3. CHECK FOR AREAS WHERE RUN-OFF HAS ERODED A CHANNEL BENEATH THE FENCE, OR WHERE THE FENCE WAS CAUSED TO SAG OR COLLAPSE.
4. ALL NEEDED REPAIRS SHALL BE PERFORMED IMMEDIATELY.
5. REMOVE AND PROPERLY DISPOSE OF SEDIMENT WHEN IT IS ONE-THIRD TO ONE-HALF THE HEIGHT OF THE FENCE OR AFTER EACH STORM.
6. 4" MIN. STEEL OR WOOD POSTS SPACED AT 6' O.C. SOFTWOOD POSTS SHALL HAVE A MINIMUM CROSS SECTION OF 1.5"x1.5". SHALL HAVE A 3" MIN. DIAMETER OR NOMINAL 2"x4". HARDWOOD POSTS SHALL HAVE A MINIMUM CROSS SECTION OF 1.5"x1.5".

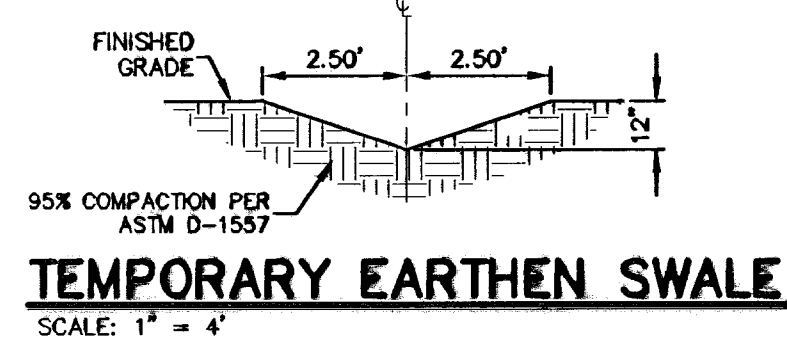
FILTER FENCE

SCALE: 1" = 5'-0"



TEMPORARY EARTHEN BERM

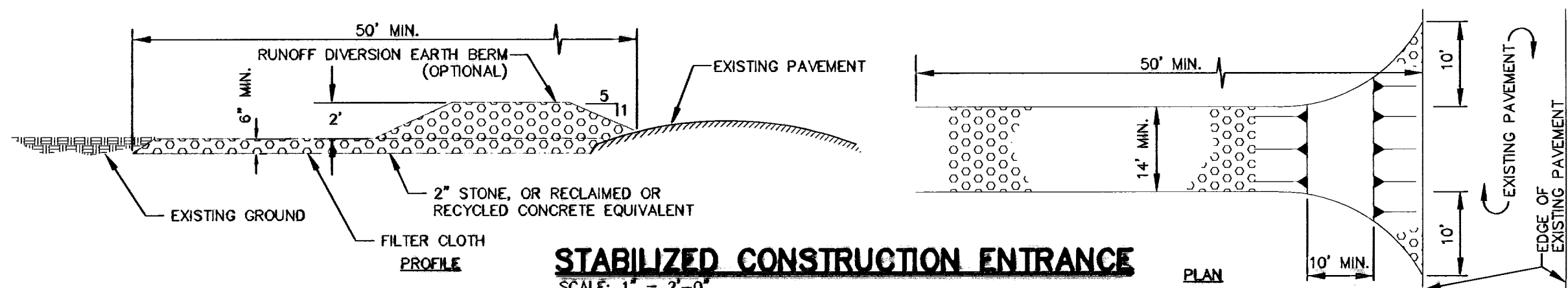
SCALE: 1" = 4'



TEMPORARY EARTHEN SWALE

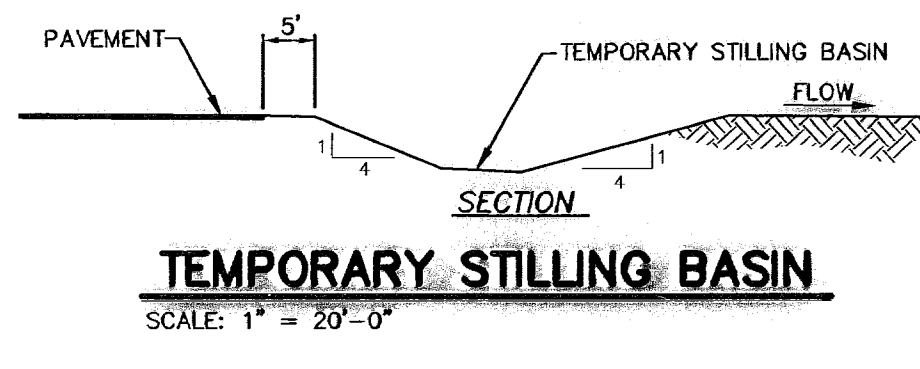
SCALE: 1" = 4'

FINAL LOCATION OF STABILIZED CONSTRUCTION ENTRANCE CAN BE DETERMINED AT THE SITE BY THE CONTRACTOR.



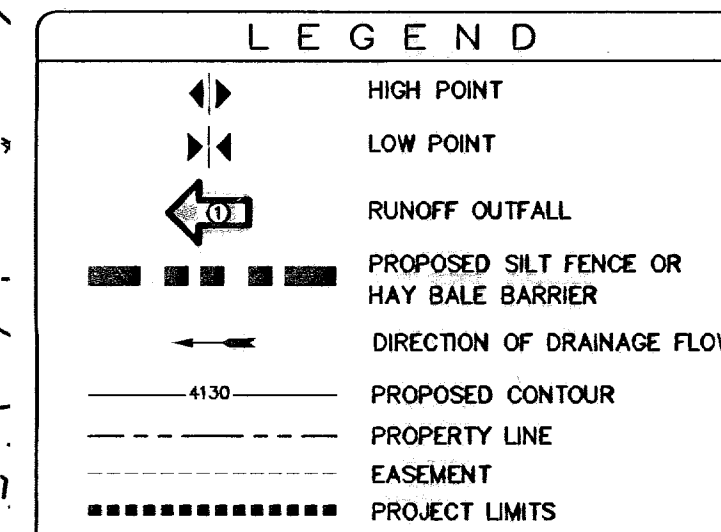
STABILIZED CONSTRUCTION ENTRANCE

SCALE: 1" = 2'-0"



TEMPORARY STILLING BASIN

SCALE: 1" = 20'-0"

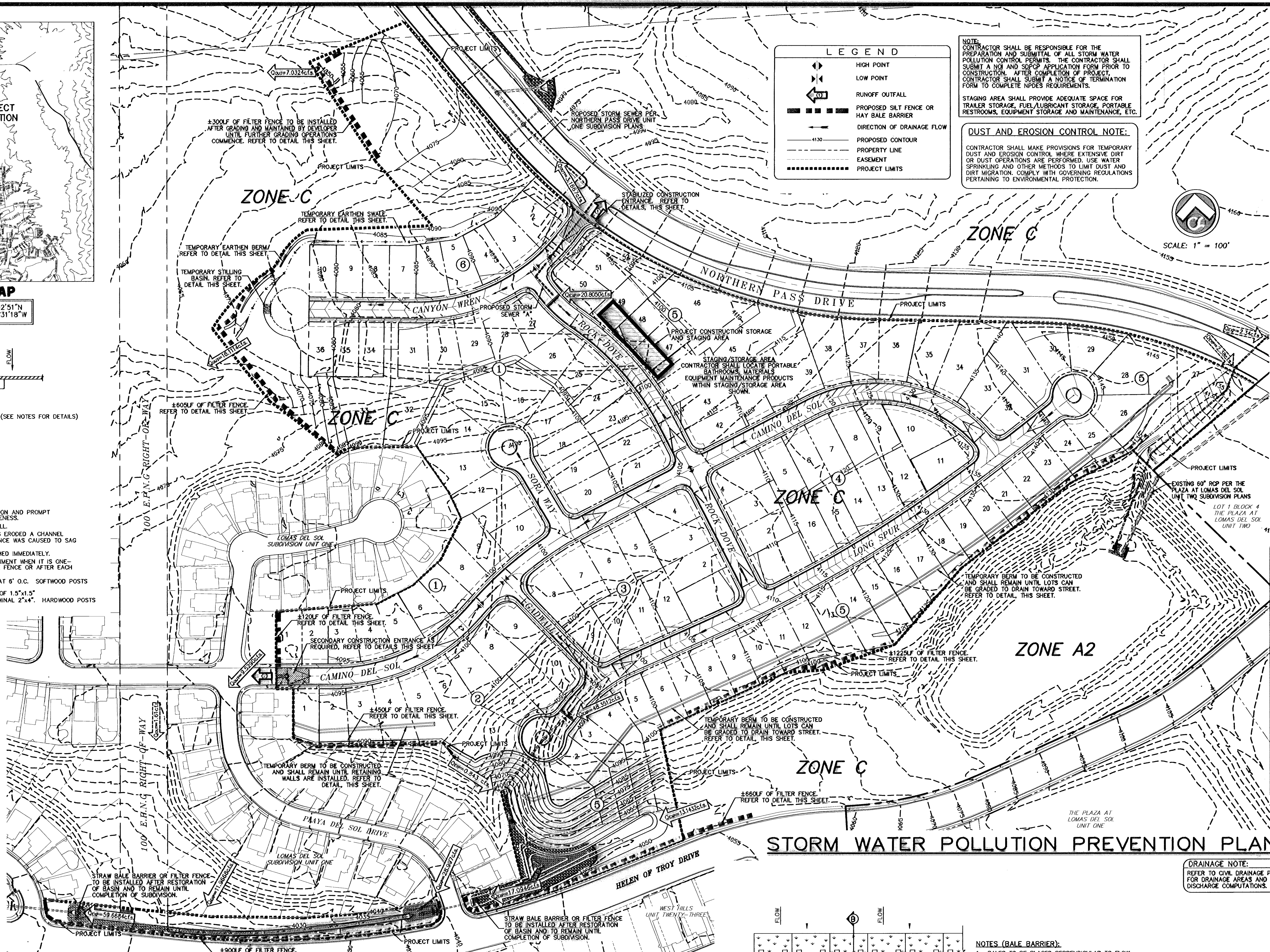


NOTE: CONTRACTOR SHALL BE RESPONSIBLE FOR THE PREPARATION AND SUBMITTAL OF ALL STORM WATER POLLUTION CONTROL PERMITS. THE CONTRACTOR SHALL SUBMIT A NOI AND SOCP APPLICATION FORM PRIOR TO CONSTRUCTION. AFTER COMPLETION OF PROJECT, CONTRACTOR SHALL SUBMIT A NOTICE OF TERMINATION FORM TO COMPLETE NPDES REQUIREMENTS.

STAGING AREA SHALL PROVIDE ADEQUATE SPACE FOR TRAILER STORAGE, FUEL/LUBRICANT STORAGE, PORTABLE RESTROOMS, EQUIPMENT STORAGE AND MAINTENANCE, ETC.

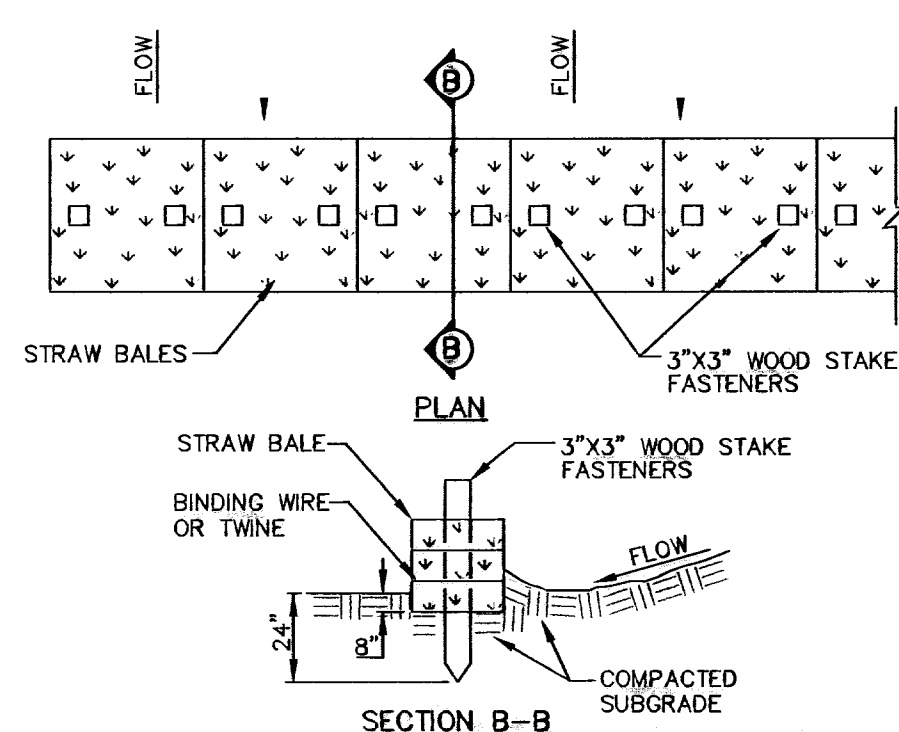
DUST AND EROSION CONTROL NOTE: CONTRACTOR SHALL MAKE PROVISIONS FOR TEMPORARY DUST AND EROSION CONTROL WHERE EXTENSIVE DIRT OR DUST OPERATIONS ARE PERFORMED. USE WATER SPRINKLING AND OTHER METHODS TO LIMIT DUST AND DIRT MIGRATION. COMPLY WITH GOVERNING REGULATIONS PERTAINING TO ENVIRONMENTAL PROTECTION.

SCALE: 1" = 100'



STORM WATER POLLUTION PREVENTION PLAN

DRAINAGE NOTE: REFER TO CIVIL DRAINAGE PLAN FOR DRAINAGE AREAS AND DISCHARGE COMPUTATIONS.



- NOTES (BALE BARRIER):**
1. BALES TO BE PLACED PERPENDICULAR TO FLOW. HAY BALES PLACED IN "Y" DITCH MUST BE STAGGERED.
 2. BALES MUST BE FIRMLY STAKED INTO THE ENTRENCHMENT AND THE ENTRENCHMENT BE PROPERLY BACKFILLED.
 3. BALES MUST BE PLACED END TO END AND THERE CAN BE NO GAPS BETWEEN THE BALES.
 4. BARRIERS MUST BE INSPECTED AND REPAIRED IMMEDIATELY AFTER EACH RAINFALL OR DAILY IF THERE IS PROLONGED RAINFALL.
 5. DAMAGED STRAW BALES REQUIRE IMMEDIATE REPLACEMENT.
 6. TRAPPED SEDIMENTS MUST BE REMOVED AND DISPOSED OF PROPERLY.

STRAW BALE BARRIER

SCALE: 1" = 5'-0"

NO.	DATE	DESCRIPTION	BY
1	01-12-10	1st CITY SUBMITTAL	JCK
2	01-26-10	2nd CITY SUBMITTAL	JCK
3	02-26-10	REVISION: PERMITS	JCK
4	02-26-10	REVISION: PERMITS	JCK
5	02-26-10	REVISION: PERMITS	JCK
6	02-26-10	REVISION: PERMITS	JCK
7	05-12-11	RECORD DRAWINGS	JCK

WARNING!
BEFORE YOU DIG
CONTRACTOR SHALL FIELD LOCATE ALL EXISTING UNDERGROUND UTILITIES AND IMPROVEMENTS IN THE PROJECT AREA

BEFORE YOU DIG - CALL
EL PASO ELECTRIC COMPANY
1-800-235-TESS
469-6300
EL PASO GAS SERVICE
544-6300
TEXAS GAS SERVICE
544-6300
UTS EMERGENCY HOTLINE
544-6300
AFTER HOURS EMERGENCY (EPWU)
944-0775
EL PASO NATURAL GAS COMPANY
775-7414
1-800-235-TESS
TEXAS EDUCATION SAFETY SYSTEM
(944-8377)

RECORD DRAWING

CSA design group, inc.
1805 Northwestern Drive, Suite C
El Paso, Texas 79912
Tel: (915) 877-4334
Fax: (915) 877-4334
www.csadesigngroup.com

STATE OF TEXAS
REGISTERED PROFESSIONAL ENGINEER
JOHN C. KARLSRUHER
53878

CIMARRON SKY SUBDIVISION

SHEET TITLE
STORM WATER POLLUTION PREVENTION PLAN

9011
12/10/09
AS NOTED
SCALE

30

33

APPROVED
SWP 10-00013
01/19/10

600824

RECORD DRAWING

NO.	DATE	DESCRIPTION
1	01-12-10	1st CITY SUBMITTED
2	01-28-10	2nd CITY SUBMITTED
3	02-12-10	3rd CITY SUBMITTED
4	02-19-10	4th CITY SUBMITTED
5	02-19-10	5th CITY SUBMITTED
6	03-07-10	6th CITY SUBMITTED
7	05-12-11	RECORD DRAWINGS

BENCHMARK: CITY MONUMENT AT THE CENTERLINE INTERSECTION OF PEARL RIDGE DRIVE AND REDD ROAD ELEV = 4160.85 (EL. PASO CITY DATUM)

WARNING!
 BEFORE YOU DIG
 CONTRACTOR SHALL FIELD LOCATE ALL EXISTING UNDERGROUND UTILITIES AND IMPROVEMENTS IN THE PROJECT AREA

BEFORE YOU DIG - CALL
 BEFORE YOU DIG - CALL
 EL PASO ELECTRIC COMPANY
 545-5270
 1-800-DIG-TESS
 1-800-444-6900
 EL PASO GAS SERVICE
 544-4000
 950-841-1622/2003
 EL PASO WATER UTILITIES (P&B)
 544-5775
 775-7414
 TIME WARNER (CABLE)
 775-7414
 1-800-DIG-TESS
 1-800-444-6977

RECORD DRAWING

STATE OF TEXAS
REGISTERED ENGINEER
JOHN C. KARLSRUHER
 53878
 1845 NORTHWESTERN DR, SUITE C, EL PASO, TX 79912

csa design group, inc.
 Texas Registered Engineering Firm #4997
 1845 Northwestern Dr, Ste C
 El Paso, Texas 79912
 tel (915) 877 4155
 fax (915) 877 4534
 www.csaengineers.com



CIMARRON
 SKY
 SUBDIVISION
 SHEET TITLE
**STORM
 WATER
 POLLUTION
 PREVENTION
 PLAN**

COB-SH 9011
 DRAWN BY ZH-AL
 DS-GOB-SH 12/10/09
 CHECKED BY
 SA AS NOTED
 DATE
 SHEET NO
31
 33

BEST MANAGEMENT PRACTICES CONTROLS

VI MAINTENANCE AND INSPECTION PROCEDURES:
 ALL POLLUTION PREVENTION MEASURES SHALL BE INSPECTED AT LEAST ONCE EVERY 7 DAYS AND FOLLOWING A STORM EVENT OF 0.5 INCHES OR MORE. INSPECTION IN FINAL STABILIZED AREAS OR DURING ARID PERIODS WILL BE CONDUCTED BI-WEEKLY. BEST MANAGEMENT PRACTICES AND POLLUTION CONTROL PROCEDURES SHALL BE INSPECTED FOR ADEQUACY. A REPORT SUMMARIZING THE SCOPE OF INSPECTION SHALL BE DONE & RETAINED ALONG WITH THE SOPP.

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

XI OFFSITE VEHICLE TRACKING:
 IN ADDITION TO THE STABILIZED CONSTRUCTION ENTRANCES, THE FOLLOWING MEASURES SHALL BE OBSERVED DURING CONSTRUCTION:
 HAUL ROADS SHALL BE DAMPENED FOR DUST CONTROL
 LOADED HAUL TRUCKS SHALL BE COVERED WITH TARPULIN
 EXCESS DIRT ON ROAD SHALL BE REMOVED IMMEDIATELY
 STABILIZED CONSTRUCTION ENTRANCE
 OTHER:

MATERIALS WITH CONSTRUCTION SITE:
 HAS BATCH PLANT WITH PROJECT
 HAS ASPHALT PLANT WITH PROJECT
 DOES NOT HAVE BATCH PLANT WITH PROJECT
 DOES NOT HAVE ASPHALT PLANT WITH PROJECT

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 _____
 MICHAEL S. VIRAMONTES _____
 OWNER : NAME DATE _____
 VICE PRESIDENT _____
 TITLE DATE _____

GENERAL NOTES

- CONTRACTOR TO PROVIDE A CONSTRUCTION SIGN ONSITE, CONSPICUOUSLY NEAR MAIN ENTRANCE, WITH A COPY OF N.O.I. POSTED.
- CONTRACTOR TO DESIGNATE A QUALIFIED COMPETENT PERSON TO INSPECT AND RECORD SWPP AND BMP INSPECTION IN ACCORDANCE TO SITE INSPECTION REPORT.
- CONTRACTOR TO KEEP ORIGINAL N.O.I. AND INSPECTION REPORTS ON SITE AT ALL TIMES.
- CONTRACTOR SHALL BE RESPONSIBLE TO MAINTAIN A CLEAN WORK SITE.
- CONTRACTOR MUST KEEP RECORD OF IMPORTANCE DATES SUCH AS, BUT NOT LIMITED TO, MAJOR GRADING ACTIVITIES, CONSTRUCTION TEMPORARILY OR PERMANENTLY WORK CEASED, STABILIZATION MEASURES INITIATED.
- CONTRACTOR SHALL KEEP A COPY OF TPDES PERMIT TXR 15000 ONSITE

NOTE:
 CONTRACTOR SHALL ENSURE COMPLIANCE WITH SWSP AND TPDES PERMIT TXR 15000. PERMIT TXR 15000 IS LOCATED AND CAN BE VIEWED WITH THE CIVIL ENGINEER - CSA CONSULTING ENGINEERS, 1845 NORTHWESTERN DR, SUITE C, EL PASO, TX 79912.

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

- BEGIN CONSTRUCTION/MOBILIZATION (5 DAYS).
- INSTALL INITIAL STORMWATER POLLUTION PREVENTIONS (SWPP) MEASURES AS INDICATED ON SWPP PLAN (3 DAYS).
- CLEAR AND GRUB (2 WEEKS).
- SITE GRADING (2 MONTHS).
- PERFORM PERIODIC INSPECTIONS OF THE SWPP STRUCTURES. PERFORM MAINTENANCE AND REPLACEMENTS AS NEEDED (DURATION OF CONSTRUCTION).
- EXCAVATION FOR SITE UTILITIES AND STORM SEWER (3 MONTHS).
- CONSTRUCTION OF SITE IMPROVEMENTS AND STORM SEWER (3 MONTHS).
- END CONSTRUCTION - FINAL STABILIZATION, DEMOBILIZATION, REMOVAL OF SWPP CONTROLS, AND SUBMIT NOTICE OF TERMINATION.

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

SIGNED: _____ COMPANY: HUNT COMMUNITIES GP, LLC
 NAME: MICHAEL S. VIRAMONTES ADDRESS: 4401 N. MESA
 TITLE: VICE PRESIDENT TELEPHONE: (915)-298-4252
 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, MY 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: _____

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

SOIL CONDITIONS
 THE EXPLORATORY BORINGS WERE DRILLED TO DEPTHS RANGING FROM 1 TO 8 FEET BELOW THE EXISTING GROUND SURFACE. THE SOIL UNDERLYING THE SITE GENERALLY CONSISTS OF THREE MAJOR SOIL TYPES. THE NEAR SUBSURFACE SOILS CONSIST OF (1) GRAVELLY SILTS SANDS (2) POORLY GRADED OR WELL GRADED GRAVEL WITH VARYING AMOUNTS OF CLAY, SILT, SAND AND CALCAREOUS MATERIAL AND (3) AND ALSO CONTAINED INTERBEDDED COBBLE AND BOULDER SIZE MATERIALS.

ENDANGERED SPECIES ACT
 NOT LIKELY TO ADVERSELY AFFECT ANY CURRENTLY LISTED FEDERAL THREATENED OR ENDANGERED SPECIES.

HISTORIC PROPERTY SITE
 NO KNOWN SITES ELIGIBLE FOR HISTORIC RECORD

AUTHORIZED STORM WATER DISCHARGES

- STORM WATER ASSOCIATED WITH CONSTRUCTION ACTIVITY.
- DISCHARGES OF STORM WATER ASSOCIATED WITH CONSTRUCTION SUPPORT ACTIVITIES INCLUDING CONCRETE AND ASPHALT BATCH PLANTS, EQUIPMENT STAGING AREAS, MATERIAL STORAGE YARDS, MATERIAL BORROW AREAS, AND EXCAVATED MATERIAL DISPOSAL AREAS MAY BE AUTHORIZED AS PER TPDES PERMIT NO. TXR1500000, PART II, SECTION A.

AUTHORIZED NON-STORM WATER DISCHARGES
 THE FOLLOWING NON-STORM WATER DISCHARGES AREA AUTHORIZED AS PER TPDES PERMIT NO. TXR1500000, PART II, SECTION A.

- DISCHARGES FROM FIRE FIGHTING ACTIVITIES.
- FIRE HYDRANT FLUSHING.
- WATER USED TO CONTROL DUST.
- WATER LINE FLUSHING.
- VEHICLE, EXTERNAL BUILDING AND PAVEMENT WASH WATER, FREE OF DETERGENTS AND SOAPS.
- AIR CONDITIONING CONDENSATE.

PROHIBITED POLLUTANTS DISCHARGES

- CONCRETE
- DETERGENTS
- PAINTS
- CLEANING SOLVENTS
- FUELS
- ELECTRICAL EQUIPMENT AND MATERIALS
- LUBRICANTS
- WOOD
- FERTILIZERS
- ASPHALT AND ASPHALT RELATED PRODUCTS
- STEEL PRODUCTS

NARRATIVE:
 CIMARRON SKY SUBDIVISION
 EL PASO, TEXAS

LEGAL DESCRIPTION
 BEING A PORTION OF TRACT 1B4 AND ALL OF TRACTS 1B5B4 AND 1B406 OF S.J. LABRIN SURVEY 268, CITY OF EL PASO, EL PASO COUNTY, TEXAS.

EROSION AND SEDIMENT CONTROL

SOIL STABILIZATION PRACTICES

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

OTHER: _____

STRUCTURAL PRACTICES: (P-PERMANENT T-TEMPORARY)

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

OTHER: _____

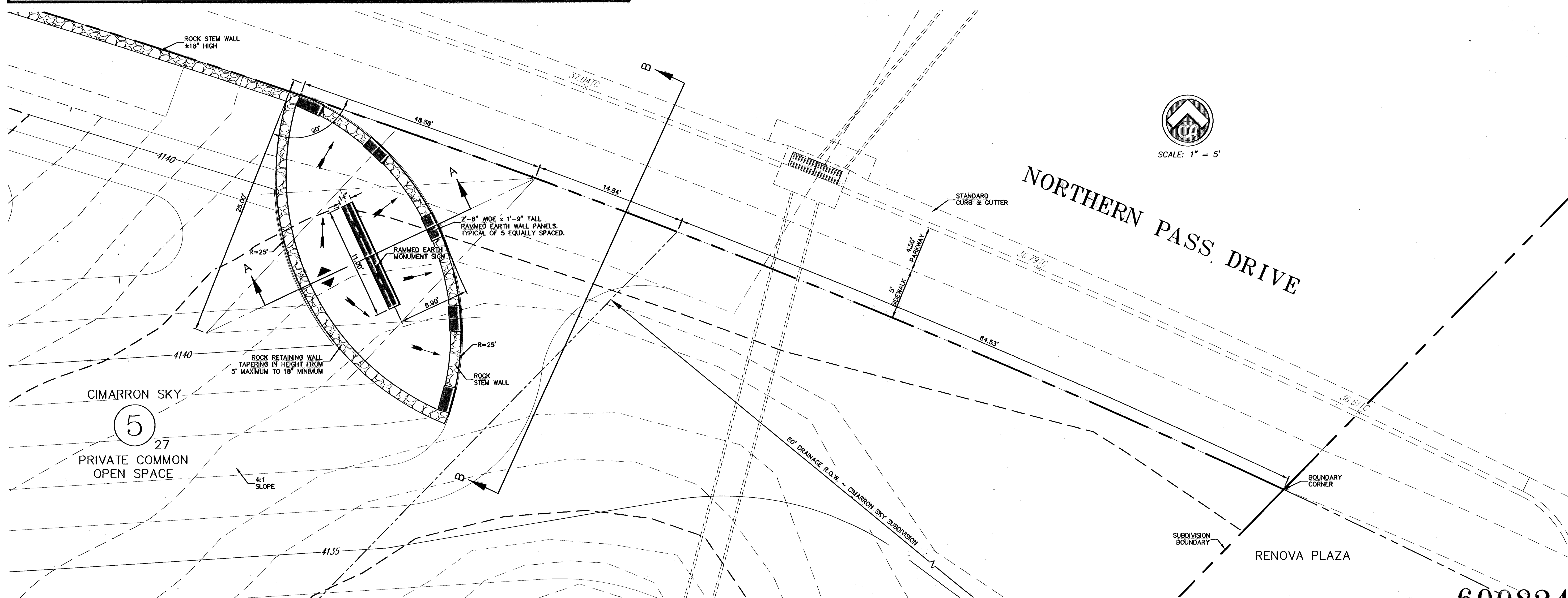
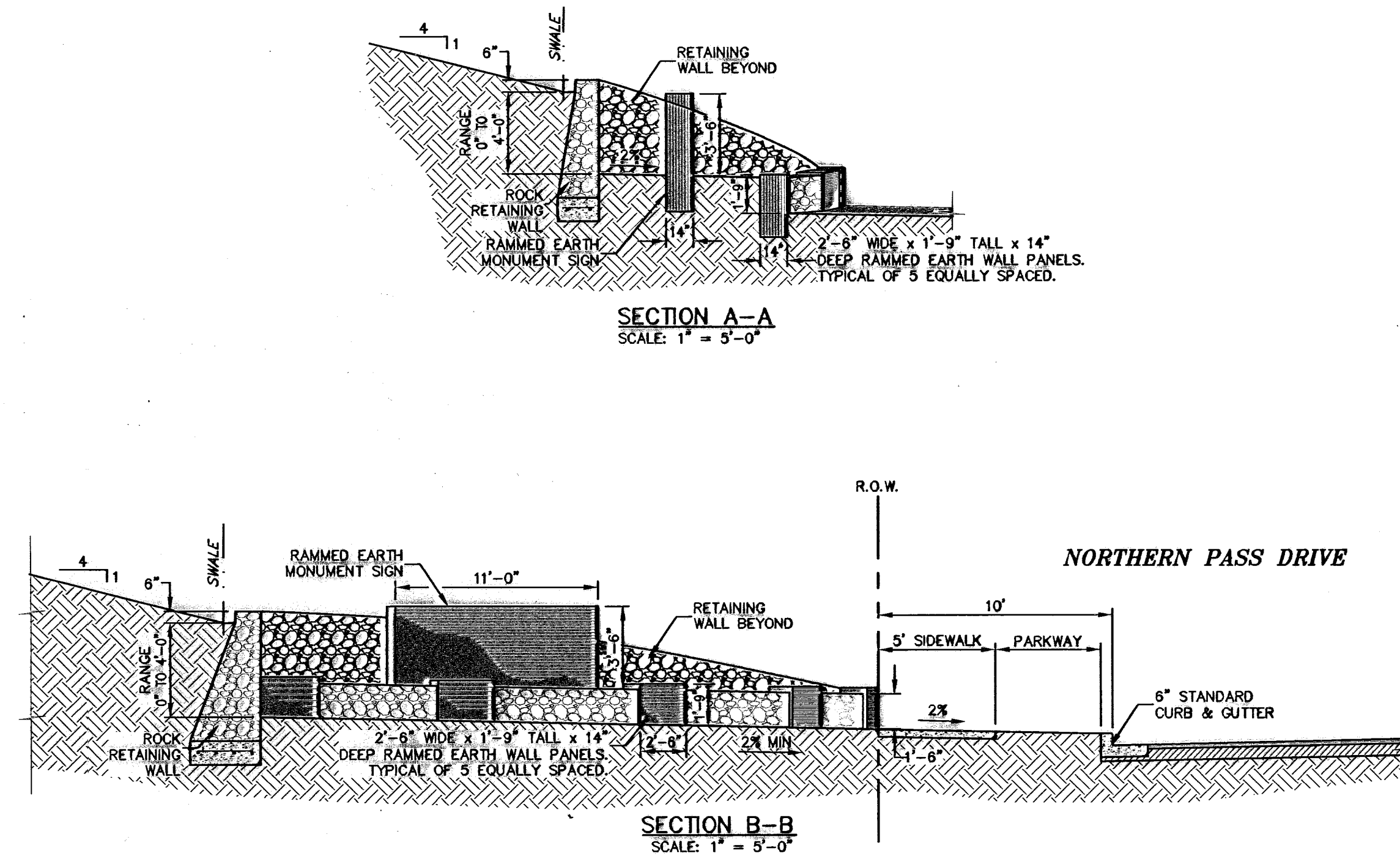
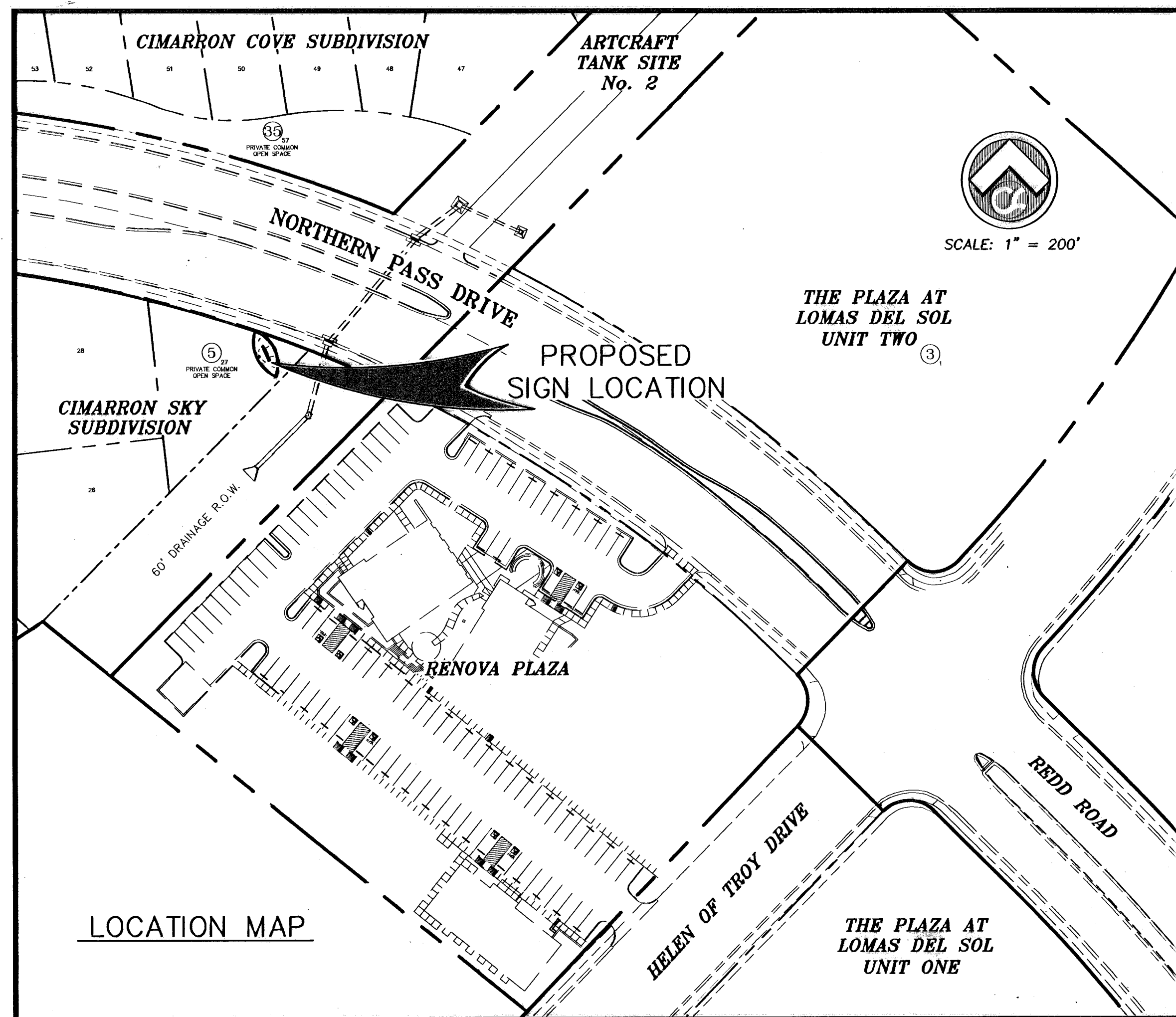
POST CONSTRUCTION CONTROLS
 INLETS, STILLING BASINS, DESILTING BASINS, EARTHEN BERMS AND EARTHEN SWALES AS PER PLAN

ESTIMATED TOTAL SIZE DISTURBED AREA
 PROJECT SITE APPROX. 34.779 ACRES
 ESTIMATED DISTURBED AREA 38.952 ACRES.

CONSTRUCTION START DATE: FEB 2010 CONSTRUCTION END DATE: FEB 2011

600824

APPROVED
 SWP 10-00013
 01/19/10



RECORD DRAWING

WARNING!
BEFORE YOU DIG
CONTRACTOR SHALL FIELD
LOCATE ALL EXISTING
UNDERGROUND UTILITIES
AND IMPROVEMENTS IN
THE PROJECT AREA

BEFORE YOU DIG - CALL
EL PASO ELECTRIC COMPANY 548-5720
1-800-DIG-TESS
TEXAS GAS SERVICE 544-5300
EL PASO WATER UTILITIES (P&S) 1-800-DIG-TESS
AFTER HOURS EMERGENCY (EP&U) 594-5775
TIME WARNER (CABLE) COMPANY 752-5414
TEXAS EXCAVATION SAFETY SYSTEM 1-800-DIG-TESS (244-5977)

DESIGNER: CSA DESIGN GROUP, INC.
DATE: 05-12-11
BY: JCK

REVISIONS:
7 05-12-11 RECORD DRAWING JCK
6 05-12-10 Revision to Show Local Rock 80-80 JCK
5 05-07-10 Show Contacted Elk 2, Lake 1-5 JCK
4 02-26-10 Revisions to rock wall detail JCK
3 02-12-10 FINAL SUBMITTAL JCK
2 01-26-10 2nd City Submittal JCK
1 12-10-09 1st City Submittal JCK

STATE OF TEXAS
REGISTERED PROFESSIONAL ENGINEER
JOHN C. KARLSRUHER
53878
CIVIL ENGINEER

CSA design group, inc.
Texas Registered Engineering Firm #4008
1845 Northwestern Dr. Ste C
El Paso, Texas 79912
Tel (915) 877-4155
Fax (915) 877-4334
www.csadesigngroup.com

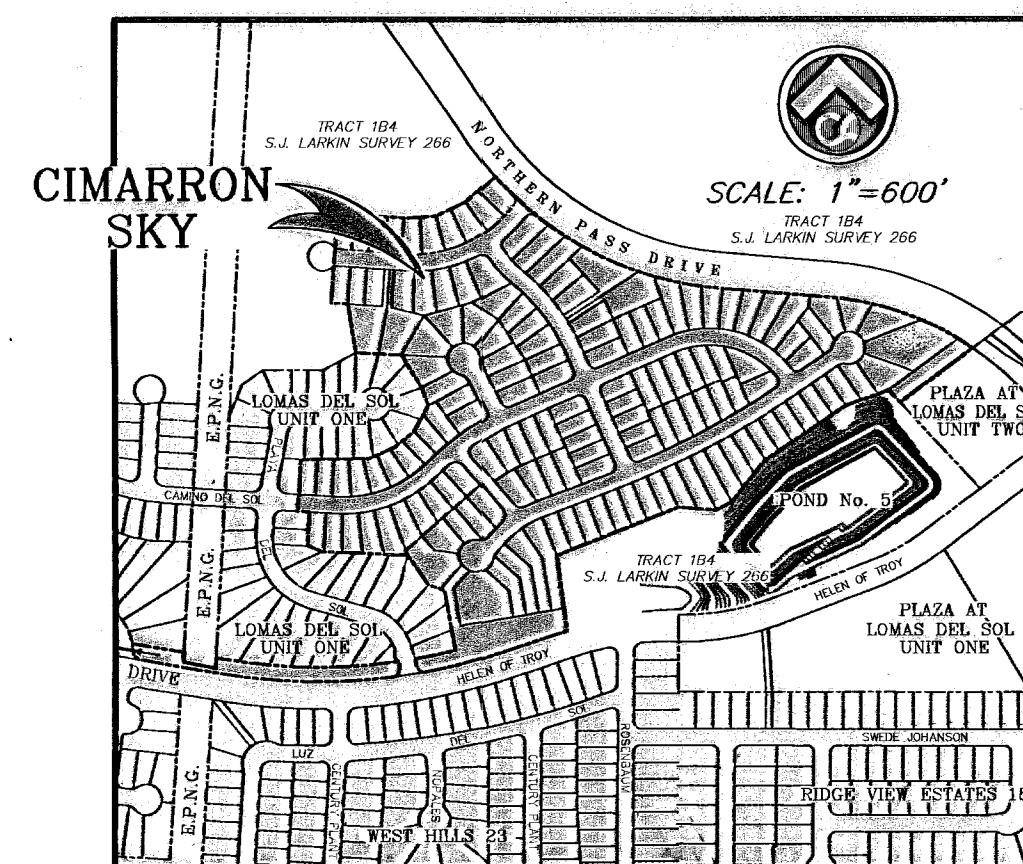
CIMARRON SKY SUBDIVISION
SHEET TITLE
MONUMENT SIGNAGE SITE PLAN

COB-SH	9011
DATE OF	28 JUL
DC-COB-SH	12/10/09
DATE BY	SAW
SA	AS NOTED
DATE BY	SA

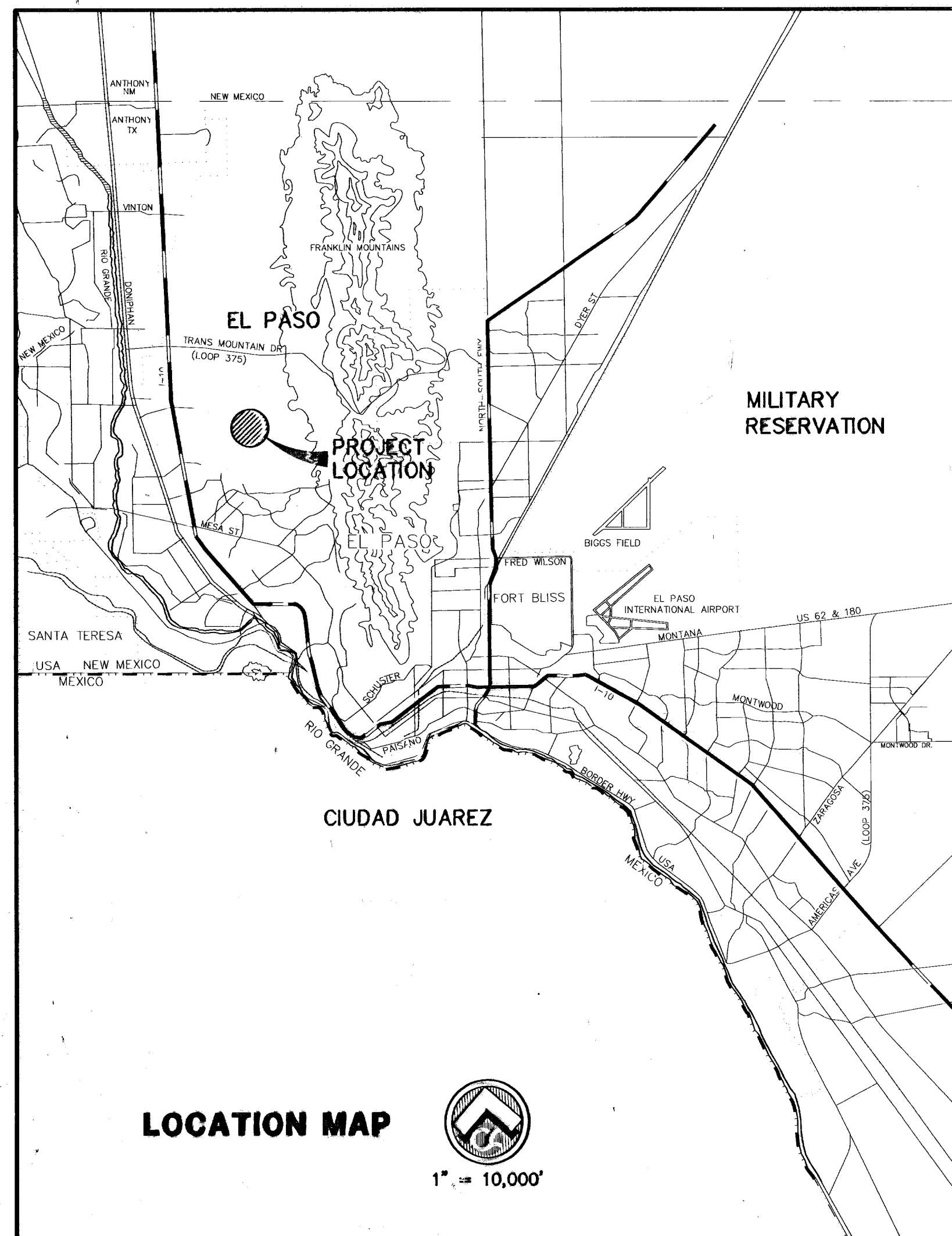
600824
C-1
1

11/11/2011 3:15:05 PM
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jck

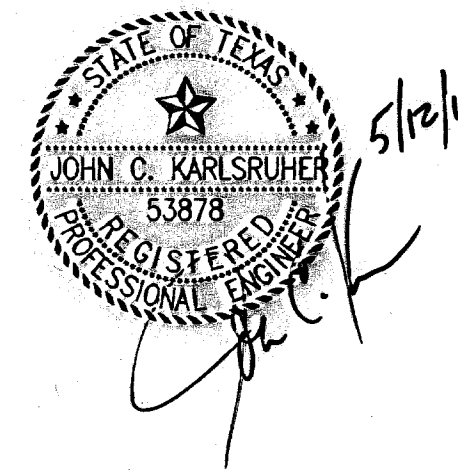
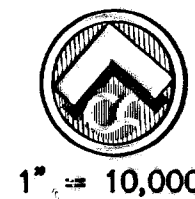
PLANS FOR CONSTRUCTION OF CIMARRON SKY Subdivision



VICINITY MAP



LOCATION MAP



csa design group, inc.
Texas Registered Engineering Firm F-9987
1845 Northwestern Dr. Ste C
El Paso, Texas 79912
tel [915] 877.4155
fax [915] 877.4334
www.csaengineers.com

SITE PLAN REVIEW APPROVED
BY DEVELOPMENT SERVICES
02/16/10

DRAWING INDEX

SHEET NO.	DRAWING TITLE
1	COVER SHEET
2,3	SUBDIVISION PLAT
4	DRAINAGE PLAN
5	GRADING PLAN
6,7,8,9,9A	CROSS SECTIONS
10	ROCKWALL DETAILS
11,12	STANDARD DETAILS
13	CANYON WREN PLAN & PROFILE
14,15	ROCK DOVE PLAN & PROFILE
16,17,18	CAMINO DEL SOL PLAN & PROFILE
19	GADWELL PLAN & PROFILE
20,21,22	LONG SPUR & SORA WAY PLAN & PROFILE
23,24	STORM SEWER PLAN & PROFILE
25,26	STORM SEWER DETAILS
27,28,28A	DESILTING BASIN RESTORATION
29	SIGNAGE, STRIPING, & ILLUMINATION PLAN
30,31	STORM WATER POLLUTION PREVENTION PLAN
C-1	ENTRY MONUMENT

RECORD DRAWING

600824

FILE No. 9011

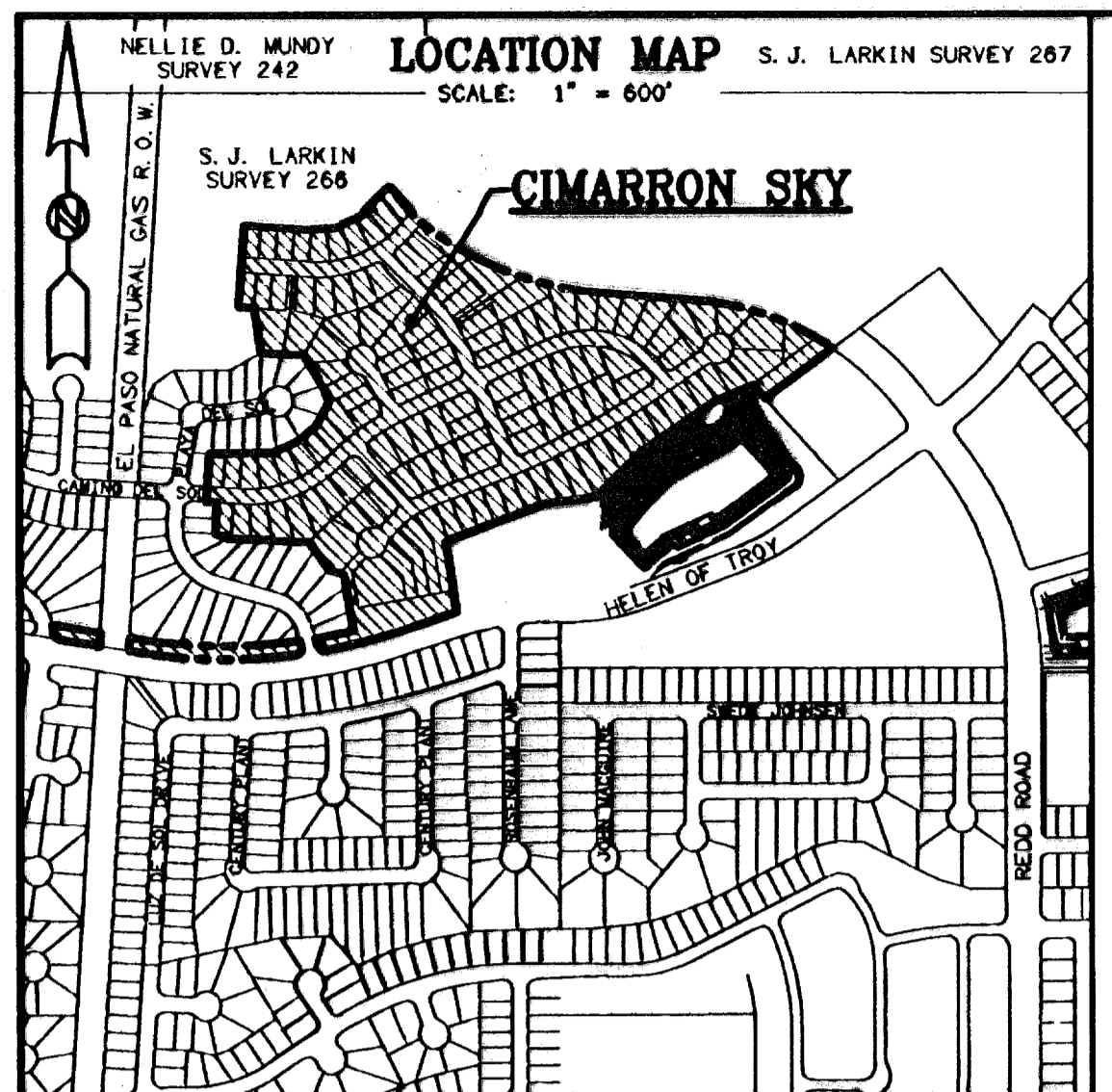
RECORD DRAWINGS WERE PREPARED BY CSA DESIGN GROUP, INC. UTILIZING INFORMATION OBTAINED DURING PERIODIC SITE VISITS MADE BY THE CONSULTANT DURING CONSTRUCTION AS WELL AS SURVEY AND OTHER INFORMATION PROVIDED BY OTHERS. ACCURACY OF THE INFORMATION PROVIDED BY OTHERS AND CONTAINED WITHIN IS NOT WARRANTED BY THE CONSULTANT OR ITS ENGINEERS.

05/12/11 RECORD DRAWINGS

05/12/11 CIMARRON SKY SUBDIVISION

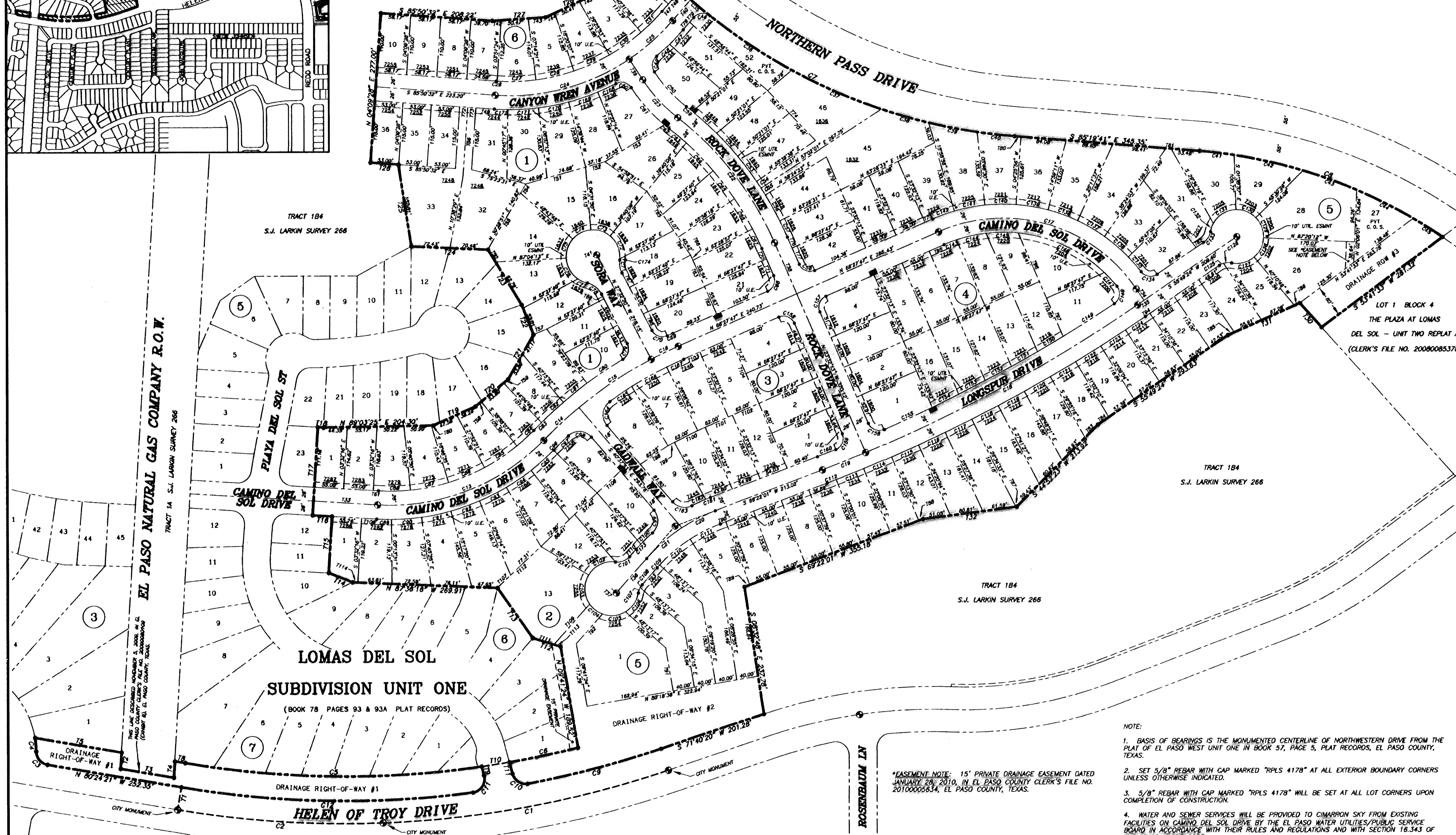
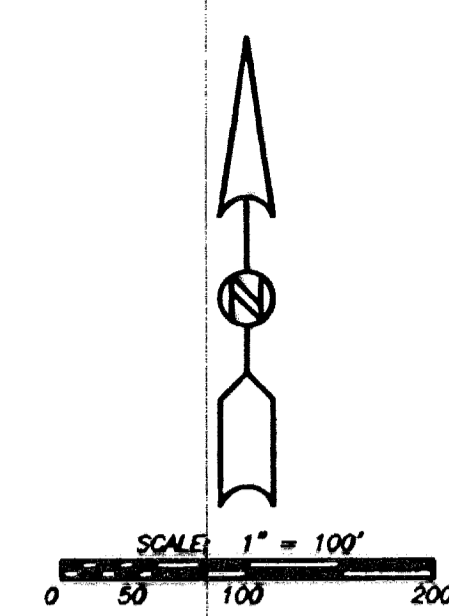
May 22, 2011 - 12:46pm S:\Draw\0011_Cimarron_Sky\Drawings\0011 - 0011.dwg

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CIMARRON SKY

BEING A PORTION OF TRACTS 1A AND 1B4 AND ALL OF TRACTS 1B5B4 AND 1B4C6, S.J. LARKIN SURVEY 266, CITY OF EL PASO, EL PASO COUNTY, TEXAS.
CONTAINING 34.814 ± ACRES
SHEET 1 OF 2



NOTE: ALL FRONT LOT UTILITY EASEMENTS ARE 10 FEET WIDE UNLESS OTHERWISE INDICATED.

Direct vehicular access from Northern Pass Drive to Lot 1, Block 6 and Lots 28, 29, 30, 31, 34, 35, 36, 37, 38, 45, 46, and 52, Block 5 is prohibited and shall be permitted only from other dedicated streets within this subdivision. The instrument assuring release of access to Northern Pass Drive is recorded in the Office of the Clerk of El Paso County, Texas, Deeds and Records Section, Instrument No. 20100054245, dated 4 Aug 10.

RESTRICTIVE COVENANTS FOR THIS SUBDIVISION ARE RECORDED IN THE OFFICE OF THE CLERK OF EL PASO COUNTY, TEXAS, DEED AND RECORDS SECTION.
INSTRUMENT NO. 20100054247, DATE 4 Aug 10.

TAX CERTIFICATES FOR THIS SUBDIVISION ARE RECORDED IN THE OFFICE OF THE CLERK OF EL PASO COUNTY, TEXAS, DEED AND RECORDS SECTION.
INSTRUMENT NO. 20100054243, DATE 4 Aug 10.

- NOTE:
- BASIS OF BEARINGS IS THE MONUMENTED CENTERLINE OF NORTHWESTERN DRIVE FROM THE PLAT OF EL PASO WEST UNIT ONE IN BOOK 57, PAGE 5, PLAT RECORDS, EL PASO COUNTY, TEXAS.
 - SET 5/8" REBAR WITH CAP MARKED "RPLS 4178" AT ALL EXTERIOR BOUNDARY CORNERS UNLESS OTHERWISE INDICATED.
 - 5/8" REBAR WITH CAP MARKED "RPLS 4178" WILL BE SET AT ALL LOT CORNERS UPON COMPLETION OF CONSTRUCTION.
 - WATER AND SEWER SERVICES WILL BE PROVIDED TO CIMARRON SKY FROM EXISTING FACILITIES ON CAMINO DEL SOL DRIVE BY THE EL PASO WATER UTILITIES/PUBLIC SERVICE BOARD IN ACCORDANCE WITH THEIR RULES AND REGULATIONS AND WITH SECTION 16.343 OF THE TEXAS WATER CODE.
 - U.S. POSTAL SERVICE DELIVERY WILL BE PROVIDED THROUGH NEIGHBORHOOD DELIVERY AND COLLECTION BOX UNITS.
 - HELEN OF TROY DRIVE IS FROM THE PLAT OF WEST HILLS UNIT TWENTY THREE IN BOOK 78, PAGE 11 AND 11A AND THE PLAT OF THE PLAZA AT LOMAS DEL SOL UNIT ONE IN BOOK 80, PAGE 31, PLAT RECORDS, EL PASO COUNTY, TEXAS.
 - S.J. LARKIN SURVEY 266 IS DESCRIBED SEPTEMBER 10, 1949, IN BOOK 945, PAGE 405, DEED RECORDS, EL PASO COUNTY, TEXAS.
 - PRIVATE COMMON OPEN SPACES TO BE MAINTAINED BY THE HOMEOWNER'S ASSOCIATION ESTABLISHED WITH THIS SUBDIVISION.
 - NORTHERN PASS DRIVE IS FROM THE PLAT OF NORTHERN PASS DRIVE EXTENSION UNIT ONE IN CLERK'S FILE NO. 20080042927, EL PASO COUNTY CLERK'S RECORDS, EL PASO COUNTY, TEXAS.
 - THE EL PASO NATURAL GAS COMPANY R.O.W. (TRACT 1A) IS DESCRIBED JANUARY 23, 1973 IN BOOK 431, PAGE 617 (PARCEL 6), DEED RECORDS, EL PASO COUNTY, TEXAS.
 - THE SUBDIVISION IMPROVEMENTS AGREEMENT AND GUARANTEE SHALL BE RECORDED CONCURRENTLY WITH THIS PLAT.

REVISED: FEBRUARY 10, 2010
REVISED: JANUARY 28, 2010
REVISED: JANUARY 21, 2010
REVISED: JANUARY 8, 2010
REVISED: DECEMBER 23, 2009
DATE OF PREPARATION: DECEMBER 10, 2009

ROBERT SEIPEL ASSOCIATES, INC. PROFESSIONAL LAND SURVEYORS
1846 NORTHWESTERN DRIVE EL PASO, TX 79712 PHONE (915) 877-1928 FAX (915) 877-2095

DEDICATION

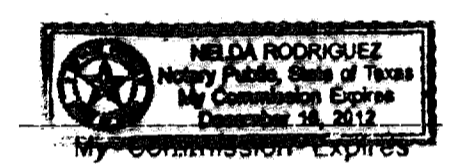
We, Cimarron Hunt Communities, LLC, by Hunt Communities Development Co., LLC, owners of this land, do hereby present this plat and dedicate to the use of the public the streets, drives, drainage rights-of-way and utility easements as hereon laid down and designated, including easements for overhang of service wires, conduits and pipes for underground utilities, the right to ingress and egress for service and construction, and the right to trim interfering trees and shrubs.

Cimarron Hunt Communities, LLC
By: Hunt Communities Development Co., LLC
By: *[Signature]*
Justin Chapman, President

ACKNOWLEDGMENT

STATE OF TEXAS
COUNTY OF EL PASO
This instrument was acknowledged before me on 06/03/2010 by Justin Chapman, President of Hunt Communities Development Co., LLC

Given under my hand and seal of office this 3rd day of June, 2010.
[Signature]
Nelda Rodriguez
Notary Public, State of Texas



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 17 day of June, 2010.

[Signature] Chairperson
[Signature] Executive Secretary

Approved for filing this 29 day of June, 2010.

[Signature]
Development Services Director

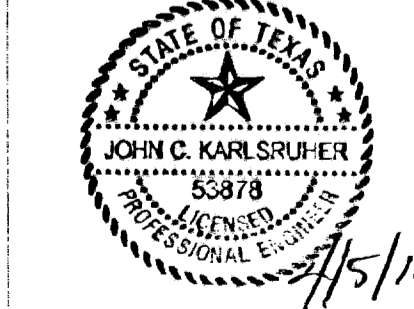
FILING

Filed and recorded in the office of the County Clerk of El Paso County, Texas, this 4 day of August, 2010, File No. 20100054242.
Plat Records.

[Signature] County Clerk
[Signature] Deputy

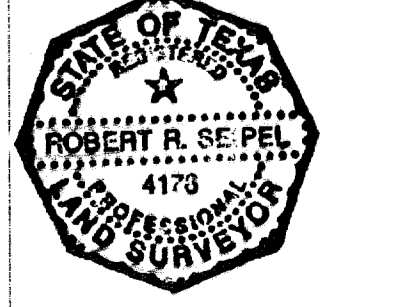
Subdivision improvement plans prepared by and under the supervision of CSA Design Group, Inc.

[Signature]
John C. Karlsrufer, P.E.
Registered Professional Engineer
Texas License No. 53878

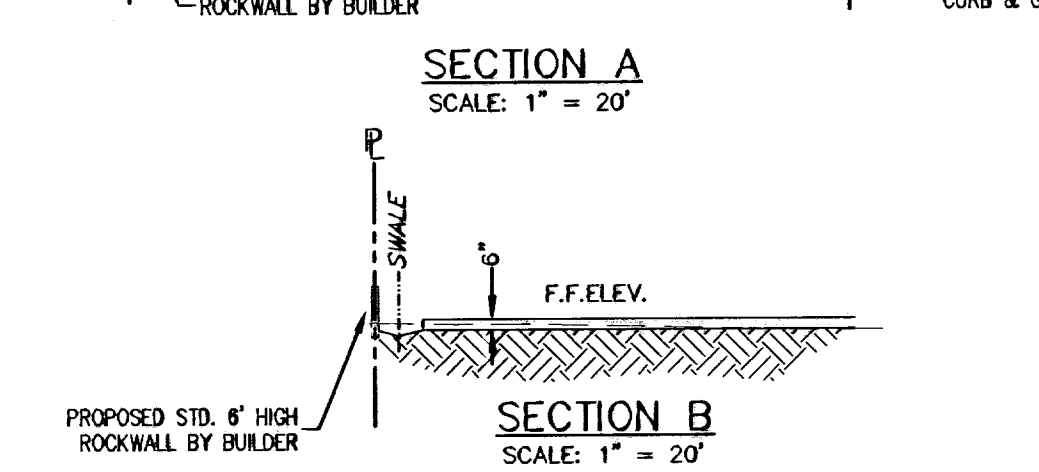
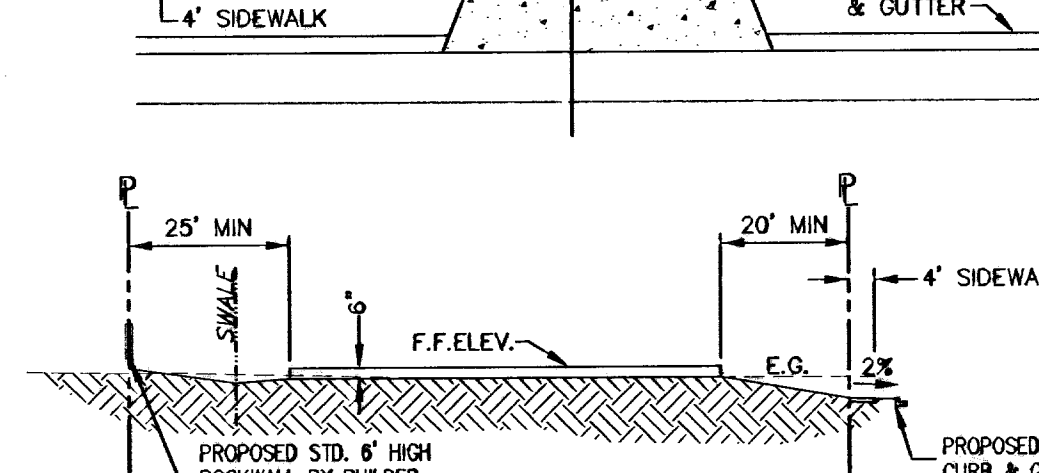
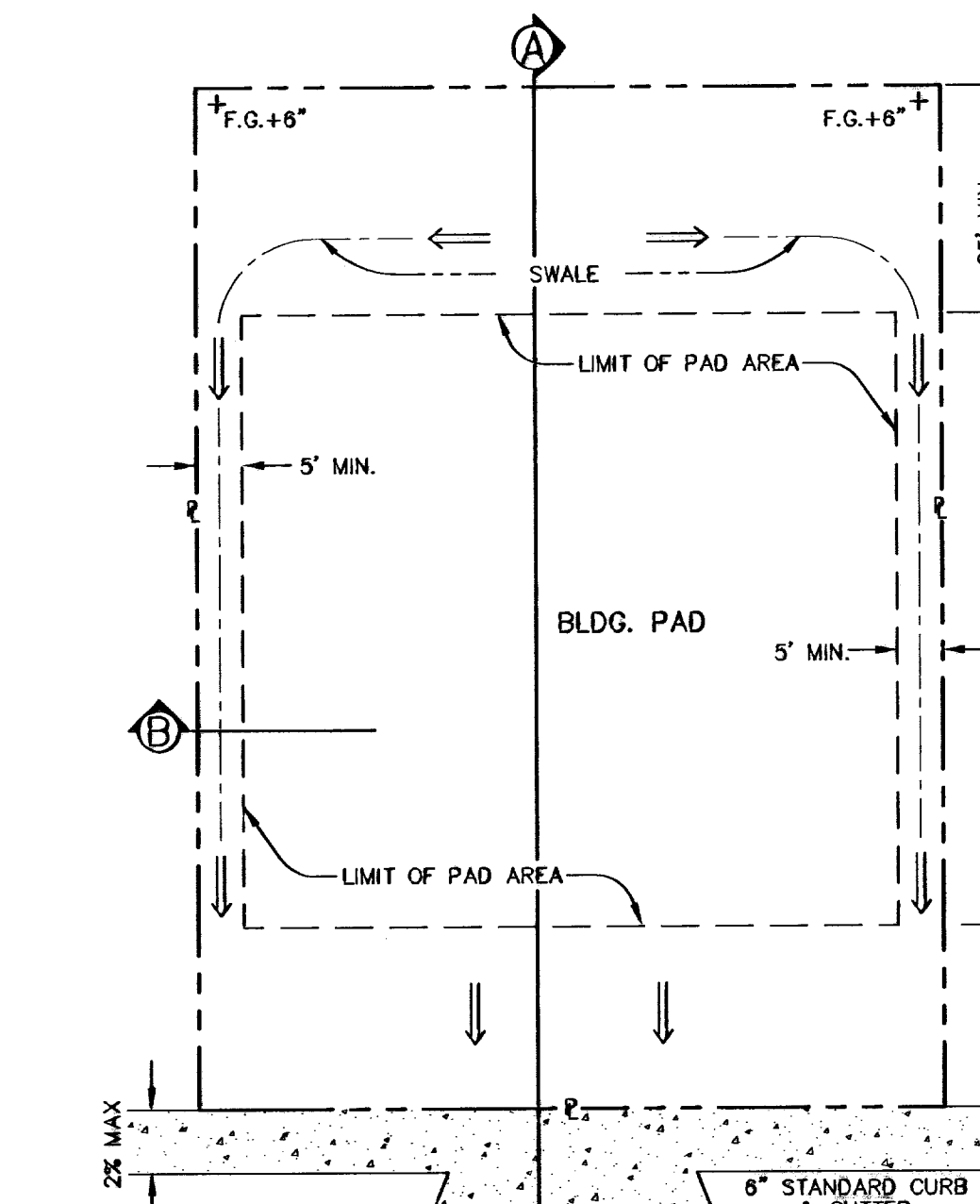
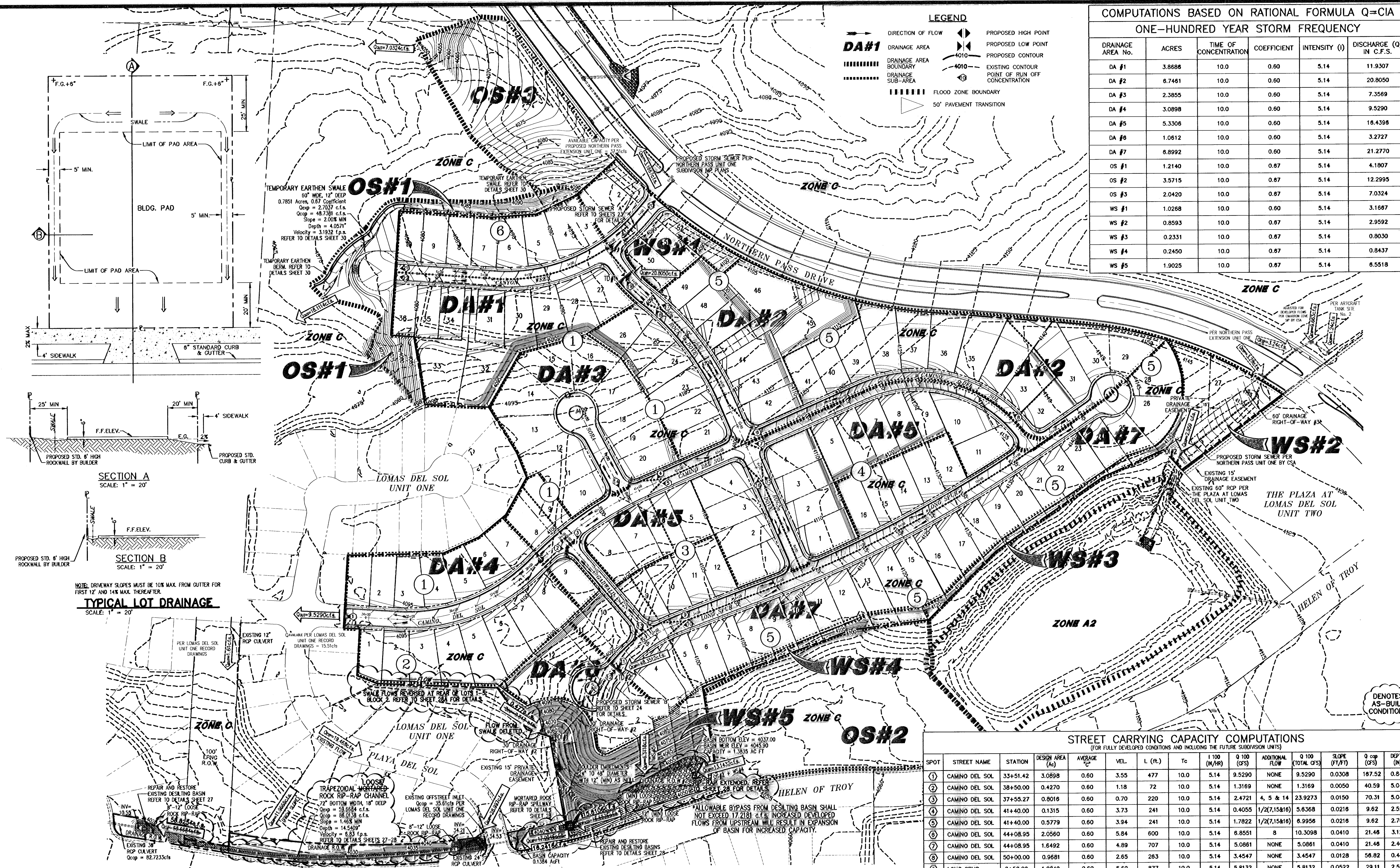


I hereby certify that this plat represents an on-the-ground survey made under my supervision in compliance with current Texas Board of Professional Land Surveying Professional and Technical Standards.

Robert Seipel Associates, Inc.
Professional Land Surveyors
[Signature]
Robert R. Seipel, President
Registered Professional Land Surveyor
Texas License No. 4178



600824



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

NOTE: THIS SUBDIVISION LIES WITHIN SPECIAL FLOOD HAZARD ZONE "C" AS DESIGNATED BY THE FLOOD INSURANCE RATE MAP (F.I.R.M.), CITY OF EL PASO, FEBRUARY 5, 1986 PANEL NUMBER 480214 0017 C. AS SHOWN, THE FLOOD ZONE MAP HAS BEEN REVISED TO REFLECT A L.O.M.R. DATED AUGUST 06, 2007.

DROP INLETS					
DROP INLET No.	TYPE	NO. OF GRATES	REQUIRED FLOW CAPACITY Q REQ'D (C.F.S.)	AVAILABLE FLOW CAPACITY Q AVAIL (C.F.S.)	FLOW BYPASS
TRENCH DRAIN #1	II-MODIFIED	12	20.0301	69.91	0 c.f.s.
TRENCH DRAIN #2	II-MODIFIED	12	48.3462	69.91	0 c.f.s.
DRAINAGE INLET #1	GRATED MANHOLE	1	0.4770 0.2439	3.23	0 c.f.s.
DRAINAGE INLET #2	GRATED MANHOLE	1	2.9592	3.23	0 c.f.s.

INLET CALCULATIONS

DL #1 AND 2 (GRATED MANHOLE COVER)
 $Q = CA \cdot P^{0.78}$
 $Q = 70 \cdot (2)(32.2)(0.33)^{0.78}$
 $Q = 3.23 \text{ cfs}$

TRENCH DRAIN 1 AND 2 (TYPE II MODIFIED, 12 GRATE)
 $Q = CA \cdot P^{0.78}$
 $Q = 706.4 \cdot (2)(32.2)(0.33)^{0.78}$
 $Q = 104.86 \text{ cfs} = 69.91 \text{ cfs}$
 $Q_{\text{req}} = 69.91 \text{ cfs}$

COMPUTATIONS BASED ON RATIONAL FORMULA Q=CAI ONE-HUNDRED YEAR STORM FREQUENCY					
DRAINAGE AREA No.	ACRES	TIME OF CONCENTRATION	COEFFICIENT	INTENSITY (I)	DISCHARGE (Q) IN C.F.S.
DA #1	3.8686	10.0	0.60	5.14	11.9307
DA #2	6.7461	10.0	0.60	5.14	20.8050
DA #3	2.3855	10.0	0.60	5.14	7.3569
DA #4	3.0898	10.0	0.60	5.14	9.5290
DA #5	5.3306	10.0	0.60	5.14	16.4396
DA #6	1.0612	10.0	0.60	5.14	3.2727
DA #7	6.8992	10.0	0.60	5.14	21.2770
OS #1	1.2140	10.0	0.67	5.14	4.1807
OS #2	3.5715	10.0	0.67	5.14	12.2995
OS #3	2.0420	10.0	0.67	5.14	7.0324
WS #1	1.0268	10.0	0.60	5.14	3.1687
WS #2	0.8593	10.0	0.67	5.14	2.9592
WS #3	0.2331	10.0	0.67	5.14	0.8030
WS #4	0.2450	10.0	0.67	5.14	0.8437
WS #5	1.9025	10.0	0.67	5.14	6.5518

STREET CARRYING CAPACITY COMPUTATIONS (FOR FULLY DEVELOPED CONDITIONS AND INCLUDING THE FUTURE SUBDIVISION UNITS)															
SPOT	STREET NAME	STATION	DESIGN AREA (Ac)	AVERAGE C	VEL.	L (ft.)	Tc	Q 100 (M ³ /HR)	Q 100 (CFS)	ADDITIONAL FLOW	Q 100 (TOTAL CFS)	SLOPE (F1/F2)	Q cap (CFS)	DEPTH (ft)	MOMENTUM
1	CAMINO DEL SOL	33+51.42	3.0898	0.60	3.55	477	10.0	5.14	9.5290	NONE	9.5290	0.0308	167.52	0.84	0.249
2	CAMINO DEL SOL	38+50.00	0.4270	0.60	1.18	72	10.0	5.14	1.3169	NONE	1.3169	0.0050	40.59	5.04	0.498
3	CAMINO DEL SOL	37+55.27	0.8016	0.60	0.70	220	10.0	5.14	2.4721	4, 5 & 14	23.9273	0.0150	70.31	5.04	0.294
4	CAMINO DEL SOL	41+40.00	0.1315	0.60	3.73	241	10.0	5.14	0.4055	1/2(7,15&16)	5.6368	0.0216	9.62	2.52	0.783
5	CAMINO DEL SOL	41+40.00	0.5779	0.60	3.94	241	10.0	5.14	1.7822	1/2(7,15&16)	6.9956	0.0216	9.62	2.76	0.906
6	CAMINO DEL SOL	44+08.95	2.0560	0.60	5.84	600	10.0	5.14	6.8551	8	10.3098	0.0410	21.46	3.12	1.518
7	CAMINO DEL SOL	44+08.95	1.6492	0.60	4.89	707	10.0	5.14	5.0861	NONE	5.0861	0.0410	21.46	2.40	0.978
8	CAMINO DEL SOL	50+00.00	0.9681	0.60	2.65	263	10.0	5.14	3.4547	NONE	3.4547	0.0128	56.82	0.48	0.106
9	LONG SPUR	2+50.00	1.8849	0.60	5.69	877	10.0	5.14	5.8132	NONE	5.8132	0.0522	29.11	2.52	1.195
10	LONG SPUR	2+50.00	3.9537	0.60	6.48	1083	10.0	5.14	12.1933	NONE	12.1933	0.0450	60.88	3.24	1.268
11	LONG SPUR	0+29.13	0.7529	0.60	4.69	174	10.0	5.14	1.6314	9, 10 & 13	45.0785	0.0450	60.88	3.24	1.268
12	LONG SPUR	0+29.13	1.0612	0.60	1.65	56	10.0	5.14	3.2727	NONE	3.2727	0.0100	95.45	2.72	0.099
13	GADWALL	1+48.62	0.3077	0.60	5.88	258	10.0	5.14	0.9488	2 & 3	28.1930	0.0202	74.46	2.64	1.294
14	SORA	0+50.00	2.3855	0.60	1.99	200	10.0	5.14	7.3569	NONE	7.3569	0.0050	87.49	1.44	0.239
15	ROCK DOVE	6+00.00	0.8787	0.60	3.22	243	10.0	5.14	2.7037	NONE	2.7037	0.0185	18.86	2.28	0.612
16	ROCK DOVE	6+00.00	0.8667	0.60	3.21	243	10.0	5.14	2.6729	NONE	2.6729	0.0185	18.86	2.28	0.610
17	ROCK DOVE	1+69.71	1.9068	0.60	5.94	364	10.0	5.14	6.2599	HALF OF 6	11.4148	0.0362	26.38	3.48	1.723
18	ROCK DOVE	1+69.71	1.2815	0.60	5.54	364	10.0	5.14	3.9521	HALF OF 6	8.6153	0.0362	26.38	3.12	1.440
19	ROCK DOVE	0+55.60	0.1161	0.60	5.01	106	10.0	5.14	0.3581	17 & 18	20.8050	0.0362	242.14	1.32	0.551
20	CANYON WREN	0+55.60	1.0268	0.60	3.46	152	10.0	5.14	3.1687	NONE	3.1687	0.0250	56.03	2.04	0.588
21	CANYON WREN	6+99.94	1.4195	0.60	4.46	498	10.0	5.14	4.3777	NONE	4.3777	0.0319	24.76	2.52	0.937
22	CANYON WREN	6+00.00	2.4229	0.60	5.11	498	10.0	5.14	7.5530	NONE	7.5530	0.0319	24.76	3.12	1.329

WARNING! BEFORE YOU DIG CALL BEFORE YOU DIG

RECORD DRAWING

STATE OF TEXAS
REGISTERED PROFESSIONAL ENGINEER
JOHN C. KARLSRUHER
 No. 53878

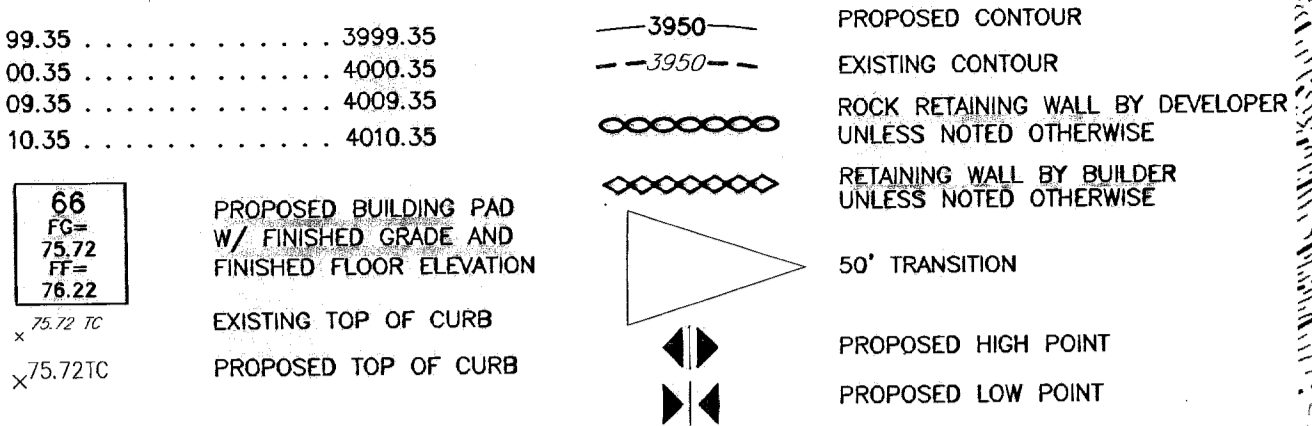
CSA design group, inc.
 1845 Northwestern Dr. Ste C
 El Paso, Texas 79912
 Tel (915) 877.4155
 Fax (915) 877.4634
 www.csaengineers.com

DRAINAGE PLAN

COB-SH 9011
 DATE 12/10/09
 SA AS NOTED
 SHEET NO. 4
 33

- OVERSPILL ON NATURAL SLOPES CAUSED BY GRADING OPERATIONS SHALL NOT BE ALLOWED.
- DEVELOPER SHALL STABILIZE SLOPES, IF DISTURBED, TO MINIMIZE EROSION.
- NO CONCENTRATED RUNOFF OVER UNPROTECTED SLOPES SHALL BE ALLOWED.
- DEVELOPER SHALL COMPLY WITH SECTION 13.08.170 OF THE SUBDIVISION ORDINANCE; "EXCESSIVE CUTS ON STREETS MAY RESULT IN REPAVING THE ENTIRE STREET."
- REFER TO DRAINAGE PLAN, SHEET 4, FOR LOT DESIGN
- ALL ACCESSIBLE RAMPS WITHIN THE CITY RIGHT-OF-WAY SHALL BE INSTALLED BY THE DEVELOPER.

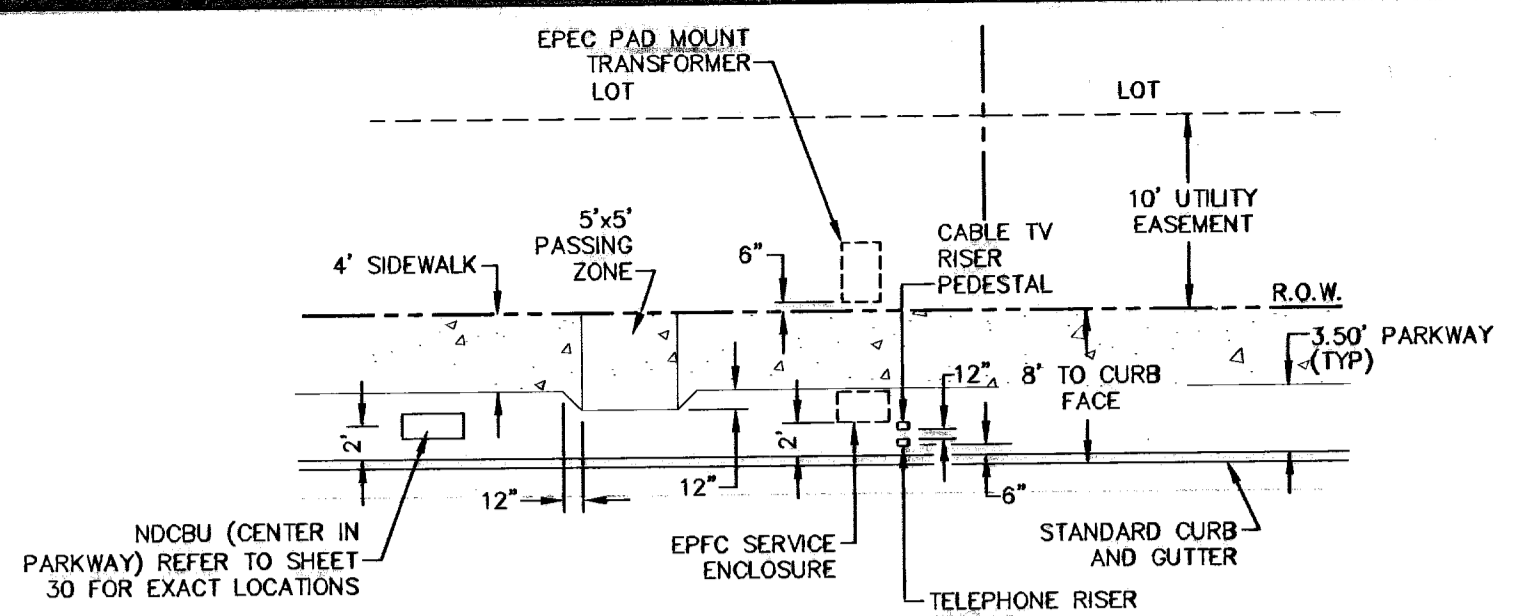
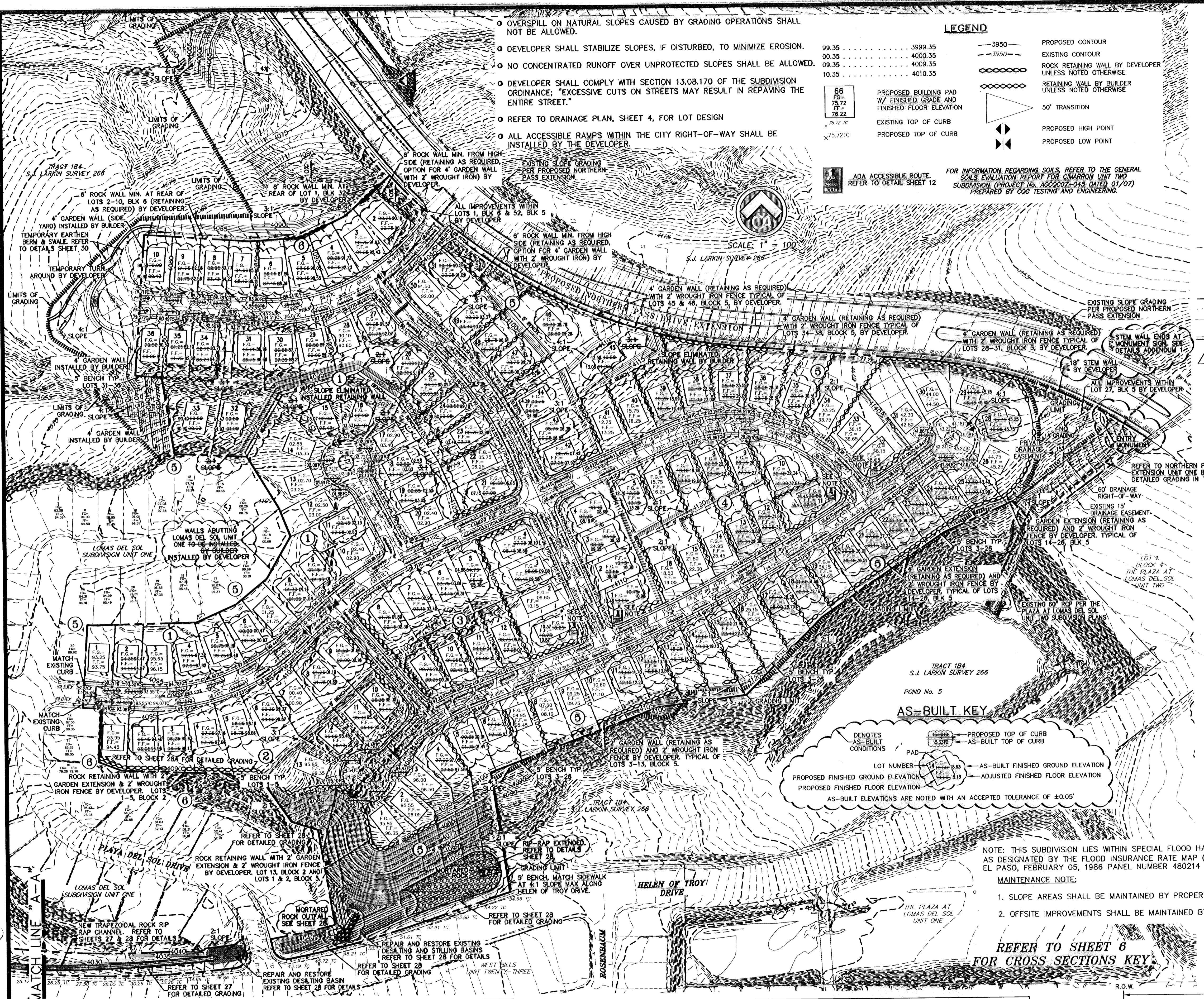
LEGEND



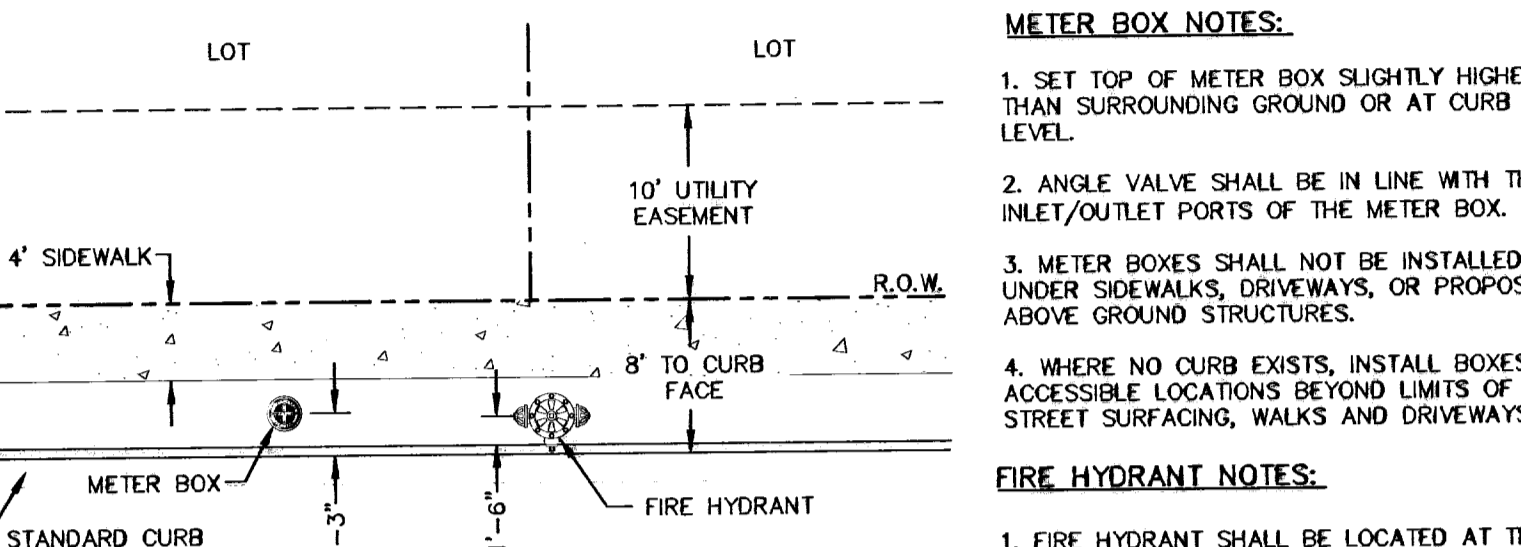
ADA ACCESSIBLE ROUTE. REFER TO DETAIL SHEET 12

FOR INFORMATION REGARDING SOILS, REFER TO THE GENERAL SOILS EVALUATION REPORT FOR CIMARRON UNIT TWO SUBDIVISION (PROJECT NO. AGC-07-045 DATED 01/07) PREPARED BY CCG TESTING AND ENGINEERING.

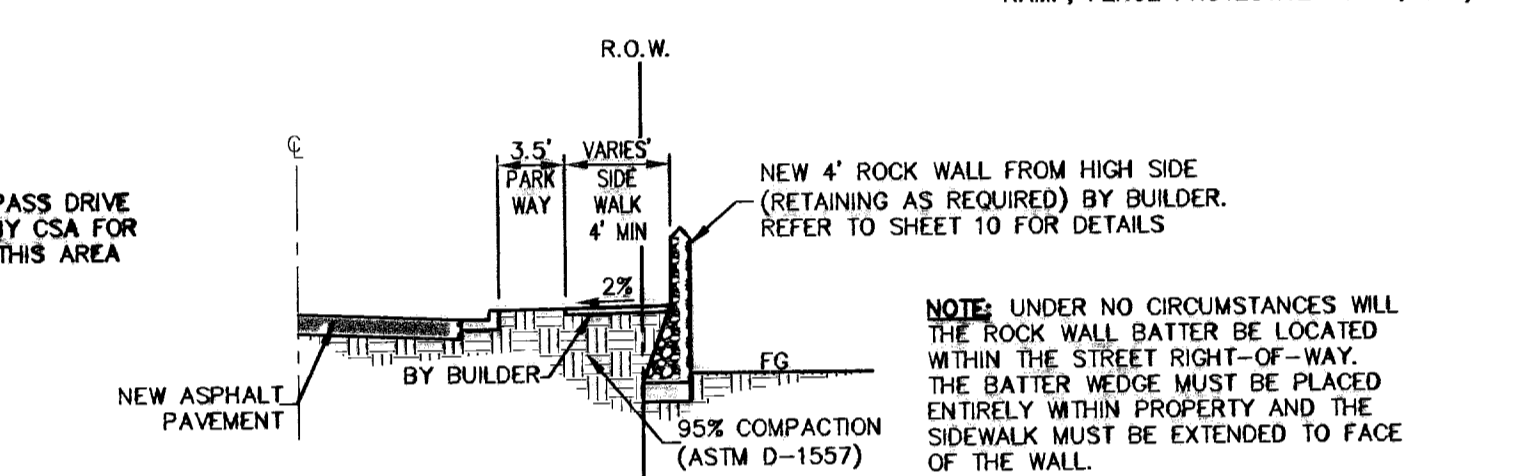
SCALE: 1" = 100'



TYPICAL LOCATION OF TRANSFORMERS, POSTAL SERVICE, NDCBU'S TELEPHONE & CABLE JUNCTION BOXES

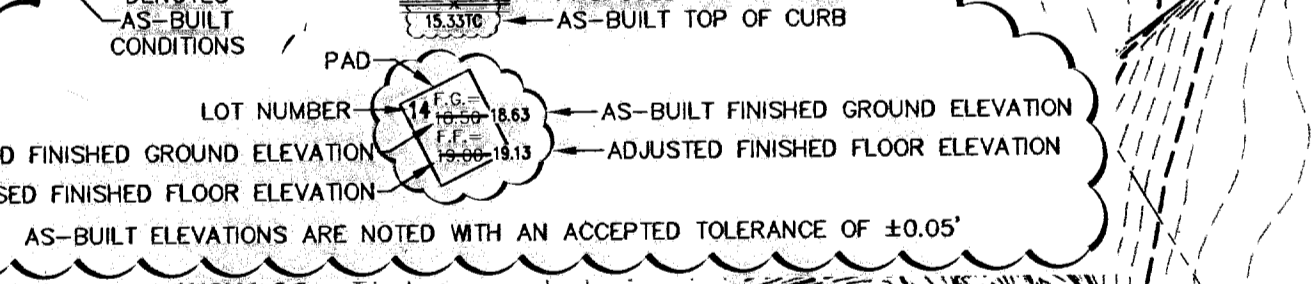


TYPICAL LOCATION OF METER BOX AND FIRE HYDRANT



LOTS THAT ARE LOWER THAN RIGHT-OF-WAY DETAIL (TYPICAL)

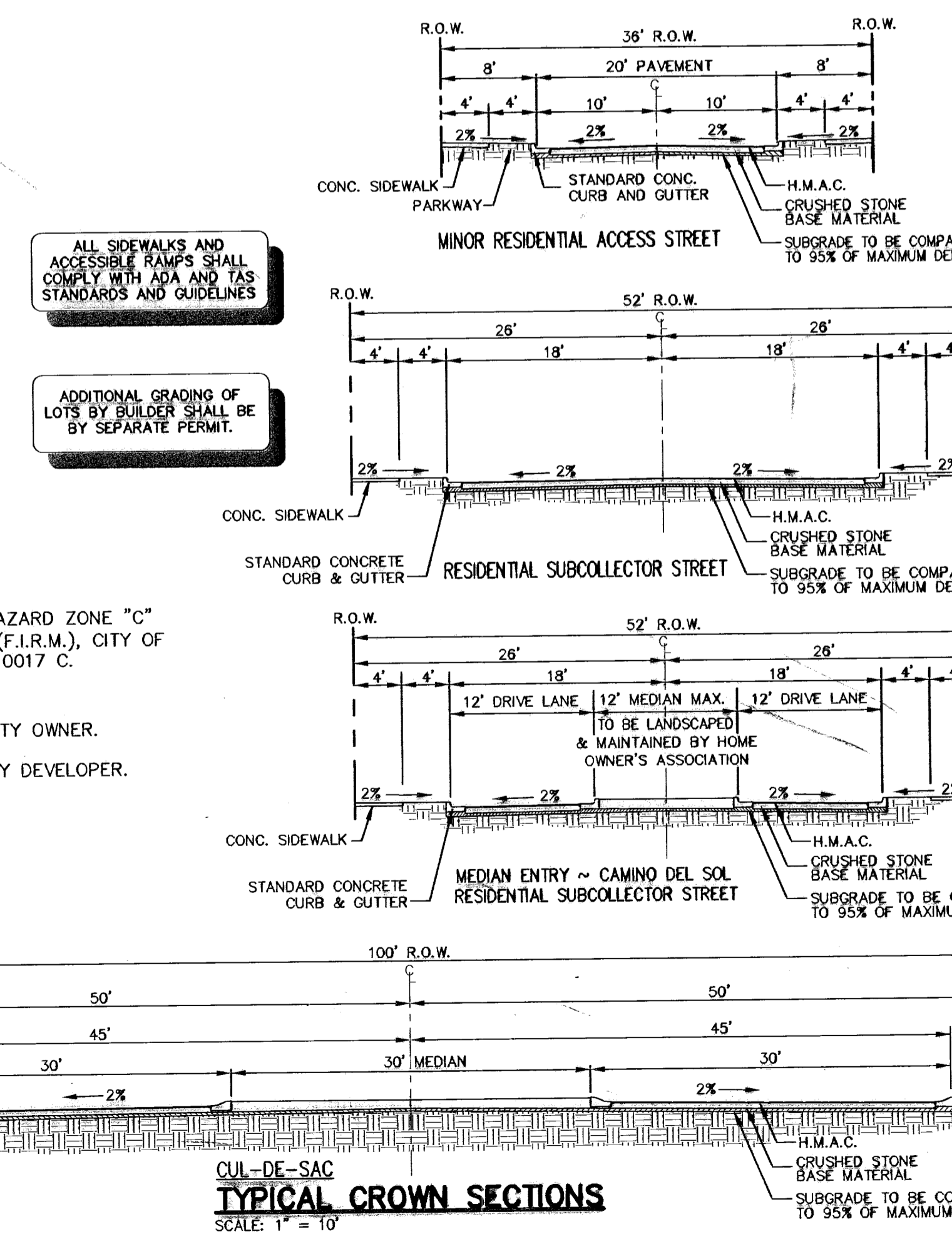
AS-BUILT KEY



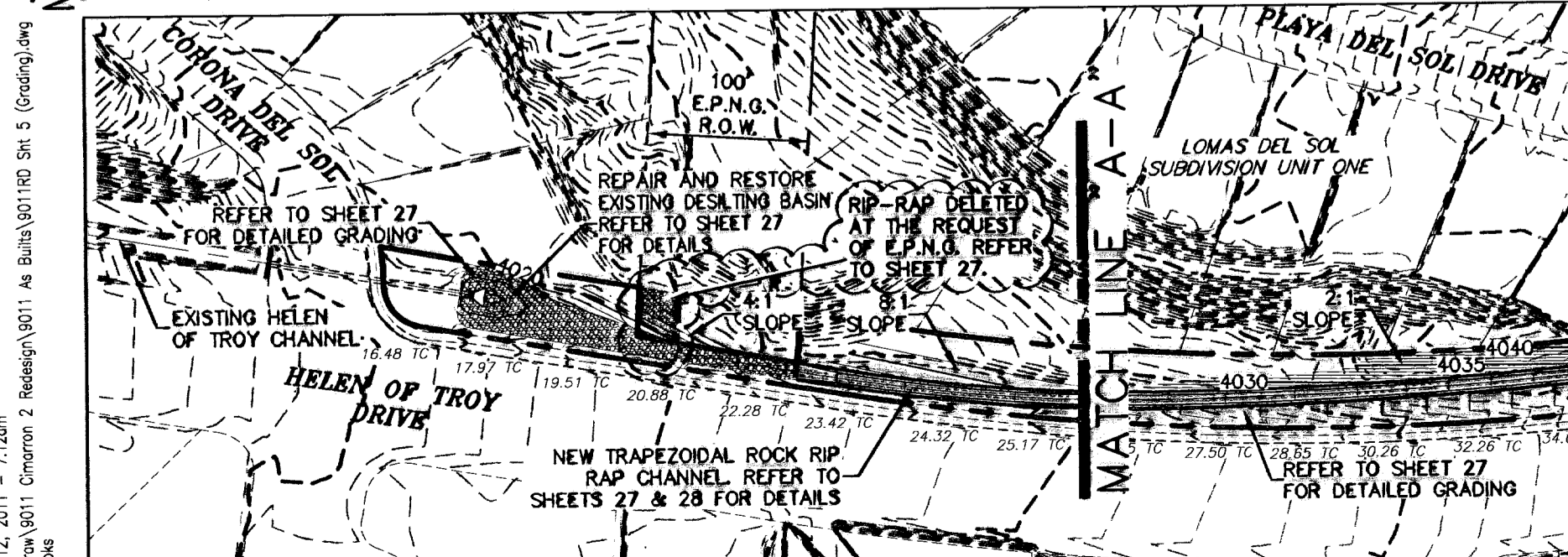
NOTE: THIS SUBDIVISION LIES WITHIN SPECIAL FLOOD HAZARD ZONE "C" AS DESIGNATED BY THE FLOOD INSURANCE RATE MAP (F.I.R.M.), CITY OF EL PASO, FEBRUARY 05, 1986 PANEL NUMBER 480214 0017 C.

- MAINTENANCE NOTE:**
- SLOPE AREAS SHALL BE MAINTAINED BY PROPERTY OWNER.
 - OFFSITE IMPROVEMENTS SHALL BE MAINTAINED BY DEVELOPER.

REFER TO SHEET 6 FOR CROSS SECTIONS KEY



Grading Permit Number GRA10-00014
ISSUED 01-19-10 600824



- GENERAL NOTES:**
- LOCATIONS OF ALL UTILITIES SHOWN ON THIS PLAN ARE APPROXIMATE. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO CONTACT ALL UTILITY COMPANIES FOR THE EXACT LOCATION OF UNDERGROUND AND OVERHEAD UTILITIES INCLUDING UTILITIES NOT SHOWN ON PLANS. THE CONTRACTOR SHALL PROTECT ALL EXISTING UNDERGROUND AND OVERHEAD UTILITIES AND ANY UTILITIES NOT SHOWN ON THIS PLAN DURING CONSTRUCTION. THE CONTRACTOR WILL PERFORM ALL UTILITY INSTALLATION, REMOVAL AND RELOCATION'S AS PER LOCAL UTILITY CONSTRUCTION SPECIFICATIONS. ANY UTILITIES DAMAGED DURING CONSTRUCTION SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.
 - CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL DIMENSIONS AND ELEVATIONS ON SITE AND SHALL CONTACT THE DESIGN ENGINEER AND REPORT ANY DISCREPANCIES, OMISSIONS AND/OR ERRORS ON PLANS PRIOR TO COMMENCING WORK.
 - ALL CONSTRUCTION TO BE COMPLETED IN ACCORDANCE WITH THE CITY OF EL PASO STANDARD SPECIFICATIONS AND DETAILS.
 - CONTRACTOR SHALL PERFORM ALL EARTHWORK REQUIREMENTS AS PER GEOTECHNICAL STUDY REPORT.
 - INSTALL A TRENCH SAFETY SYSTEM FOR ALL TRENCHES EXCEEDING A DEPTH OF FIVE FEET (5') AS PER OSHA STANDARDS.
 - SLOPES WHICH ARE TO RECEIVE FILL MUST BE CLEARED OF ALL VEGETATION.
 - POSITIVE DRAINAGE SHALL BE PROVIDED BY CONTRACTOR DURING ALL PHASES OF CONSTRUCTION AND GRADING. LOTS SHOULD DRAIN TOWARD STREET.
 - CONTRACTOR SHALL BE RESPONSIBLE FOR THE PREPARATION AND SUBMITTAL OF ALL PERMITTING NECESSARY FOR EARTHWORK OPERATIONS AND STORM WATER POLLUTION CONTROL.
 - NOTE TO BUILDERS: RETAINING WALLS MUST BE PROVIDED WHENEVER THE GRADE DIFFERENCE BETWEEN LOT GRADINGS IS GREATER THAN 2.0 FEET. WALLS MUST BE DESIGNED AND CERTIFIED BY A CIVIL ENGINEER (FOR APPROVAL) WHEN APPLYING FOR A BUILDING PERMIT.
 - EXISTING CONTOURS, PROPOSED CONTOURS AND ELEVATIONS ARE PROVIDED TO CITY DATUM.

RECORD DRAWING

CSA design group, inc. Texas Registered Engineering Firm - F-0001
1845 Northwestern Dr. Ste C
El Paso, Texas 79912
Tel: (915) 877-4155
Fax: (915) 877-4334
www.csaengineers.com

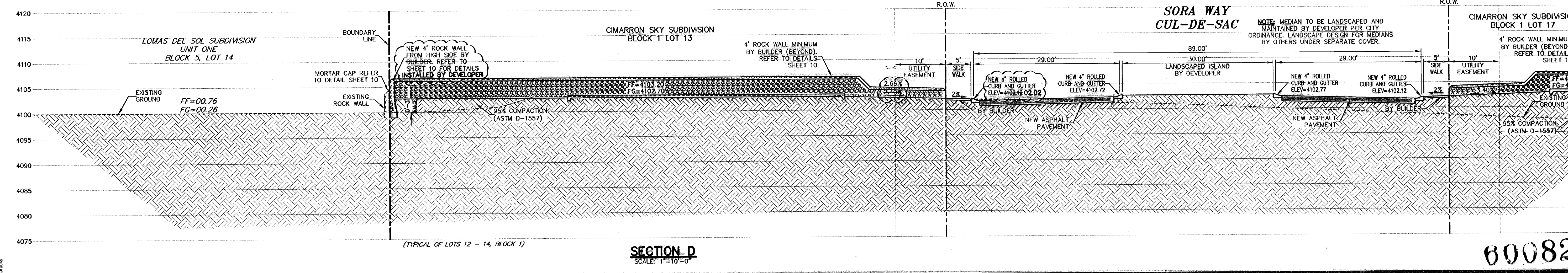
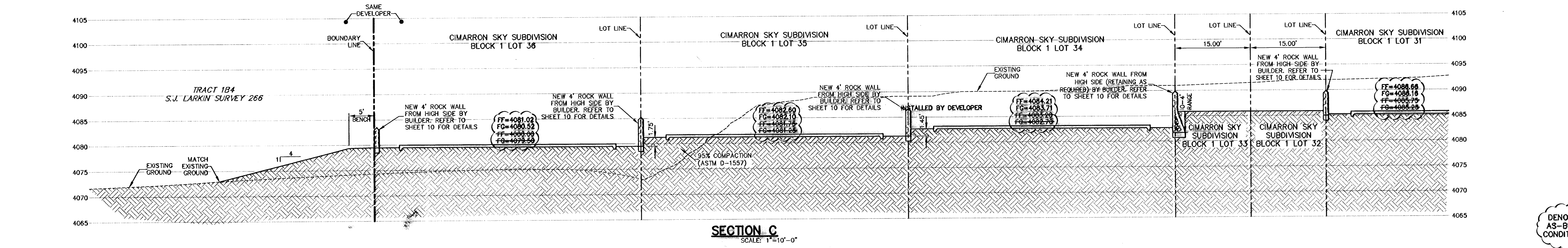
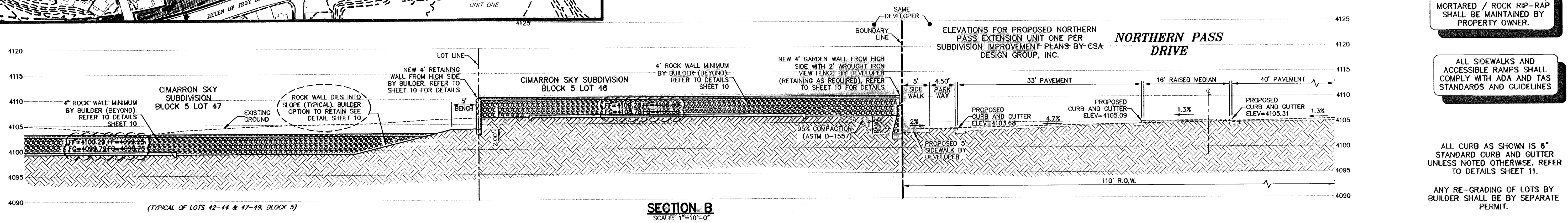
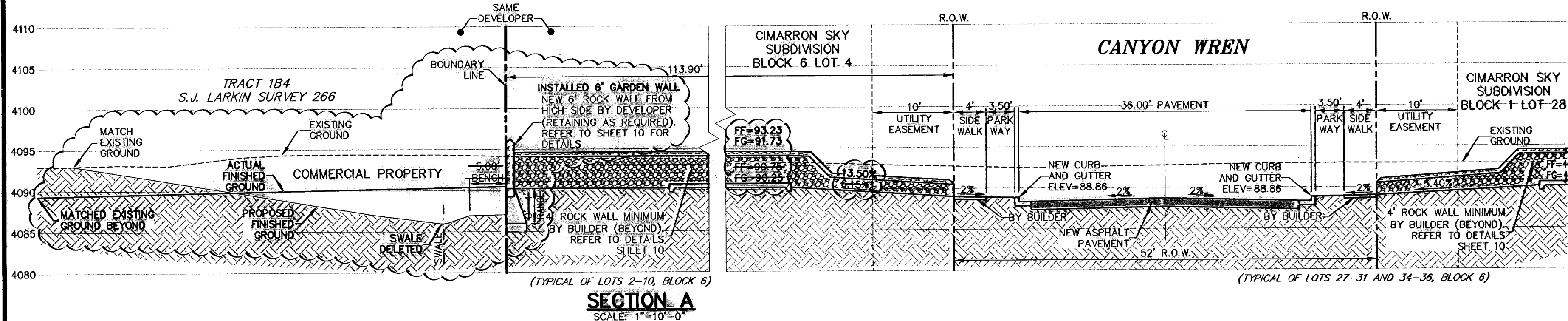
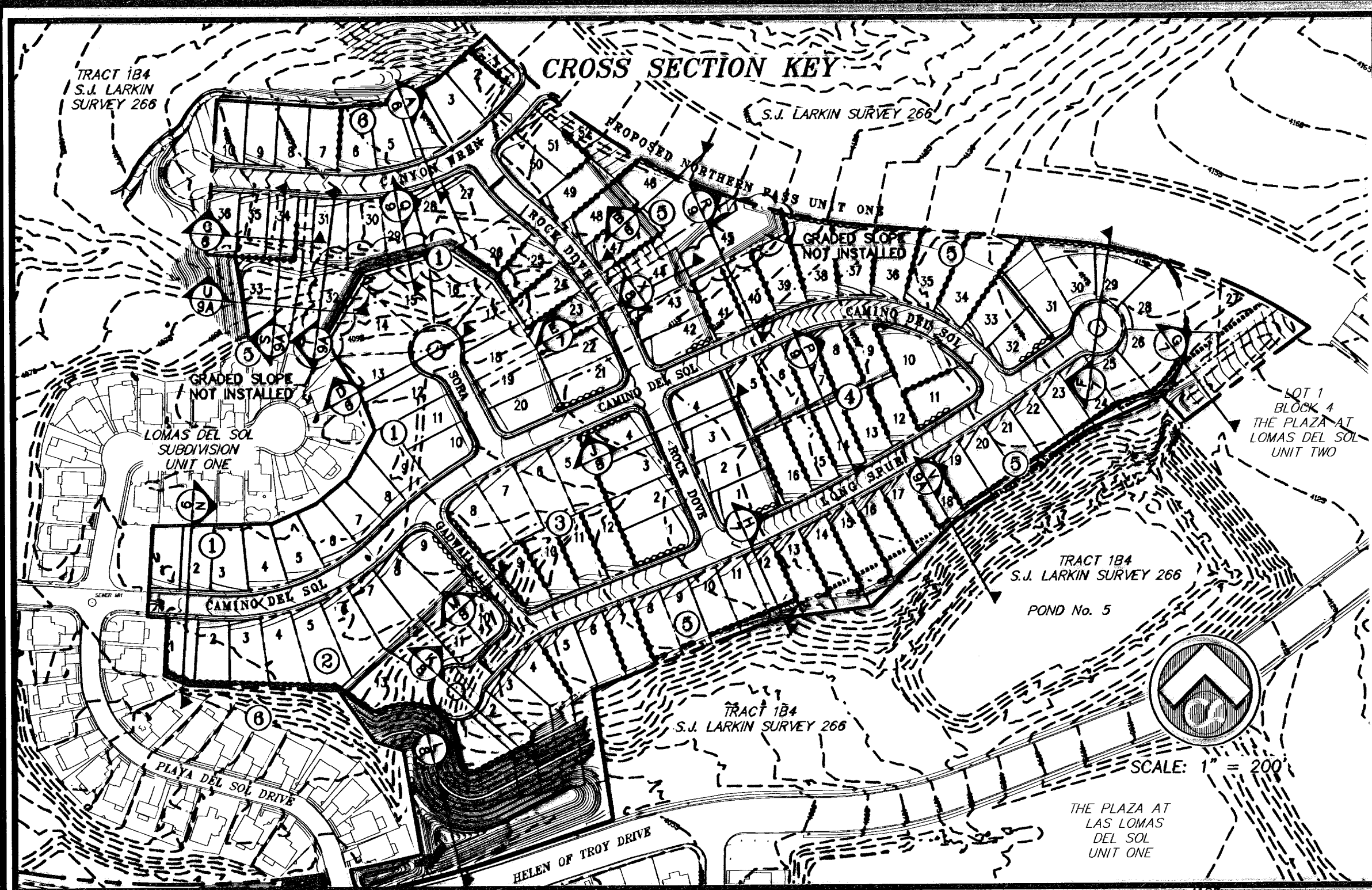
STATE OF TEXAS
REGISTERED PROFESSIONAL ENGINEER
JOHN C. KARLSRUHER
53878
LICENSED PROFESSIONAL ENGINEER

CIMARRON SKY SUBDIVISION
SHEET TITLE

GRADING PLAN

NO.	DATE	DESCRIPTION	BY
1	01-19-10	ISSUED FOR PERMIT	JCK
2	02-02-10	REVISION TO ROCK WALL DETAIL	JCK
3	02-02-10	REVISION TO ROCK WALL DETAIL	JCK
4	02-02-10	REVISION TO ROCK WALL DETAIL	JCK
5	02-02-10	REVISION TO ROCK WALL DETAIL	JCK
6	02-02-10	REVISION TO ROCK WALL DETAIL	JCK
7	02-02-10	REVISION TO ROCK WALL DETAIL	JCK

FOR INFORMATION REGARDING SOILS, REFER TO THE GENERAL SOILS EVALUATION REPORT FOR CIMARRON UNIT TWO SUBDIVISION (PROJECT NO. AGC-07-045 DATED 01/07) PREPARED BY CCG TESTING AND ENGINEERING.



ALL SLOPED AREAS LOOSE / MORTARED / ROCK RIP-RAP SHALL BE MAINTAINED BY PROPERTY OWNER.

ALL SIDEWALKS AND ACCESSIBLE RAMPS SHALL COMPLY WITH ADA AND T&S STANDARDS AND GUIDELINES

ALL CURB AS SHOWN IS 6" STANDARD CURB AND GUTTER UNLESS NOTED OTHERWISE. REFER TO DETAILS SHEET 11.

ANY RE-GRADING OF LOTS BY BUILDER SHALL BE BY SEPARATE PERMIT.

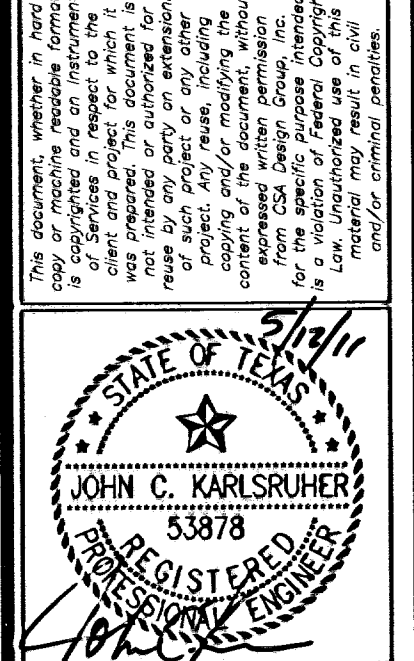
BENCHMARK: CITY MONUMENT AT THE CENTRELINE INTERSECTION OF PEASE RIDGE DRIVE AND REDD ROAD ELEV = 4160.05 (L.P. PASO CITY 2011)

NO.	DATE	DESCRIPTION
1	01-25-09	1st City Submittal
2	02-22-10	FINAL SUBMITTAL
3	02-22-10	Revisions to rock wall detail
4	02-22-10	Revisions to rock wall detail
5	02-07-10	Revisions to rock wall detail
6	06-14-10	Revisions to rock wall detail
7	05-12-11	RECORD DRAWINGS

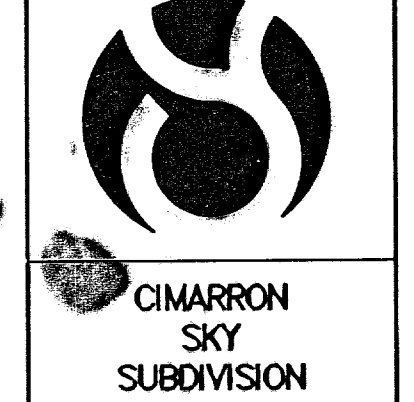
WARNING!
BEFORE YOU DIG CONTRACTOR SHALL FIELD LOCATE ALL EXISTING UNDERGROUND UTILITIES AND IMPROVEMENTS IN THE PROJECT AREA

BEFORE YOU DIG - CALL
EL PASO ELECTRIC COMPANY
AT&T
TEXAS GAS SERVICE
EL PASO WATER UTILITIES (PWS)
AFTER HOURS EMERGENCY (EPAU)
TIME WARNER (CABLE) COMPANY
TEXAS EXCAVATION SAFETY SYSTEM

RECORD DRAWING

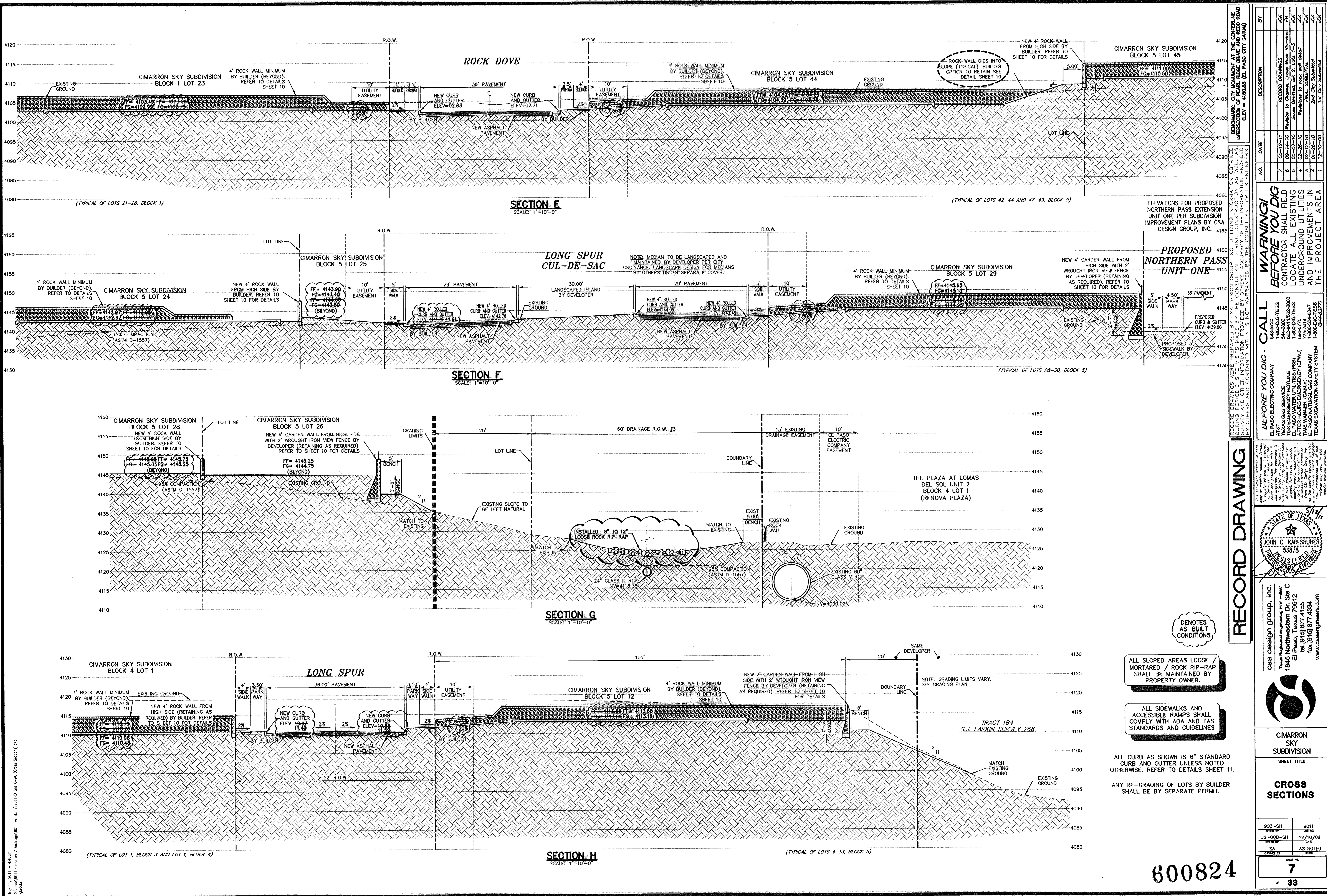


csa design group, inc.
1845 Northwood Dr, Ste C
El Paso, Texas 79912
Tel: (915) 877-4334
Fax: (915) 877-4334
www.csaengineers.com



COB-SH	9011
DC-COB-SH	12/10/09
SA	AS NOTED
SHEET NO. 6	
33	

600824



SECTION E
SCALE: 1"=10'-0"

SECTION F
SCALE: 1"=10'-0"

SECTION G
SCALE: 1"=10'-0"

SECTION H
SCALE: 1"=10'-0"

ELEVATIONS FOR PROPOSED NORTHERN PASS EXTENSION UNIT ONE PER SUBDIVISION IMPROVEMENT PLANS BY CSA DESIGN GROUP, INC.

PROPOSED NORTHERN PASS UNIT ONE

NOTES AS-BUILT CONDITIONS

ALL SLOPED AREAS LOOSE / MORTARED / ROCK RIP-RAP SHALL BE MAINTAINED BY PROPERTY OWNER.

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RECORD DRAWING

WARNING! BEFORE YOU DIG CALL BEFORE YOU DIG - CALL

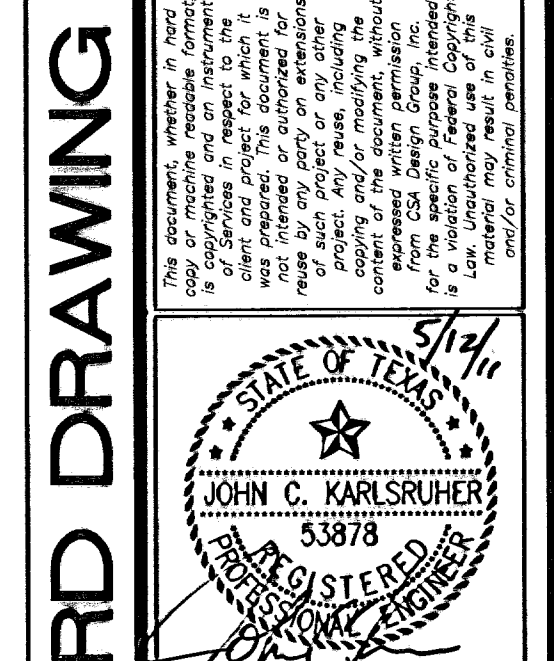
CSA DESIGN GROUP, INC. (P) 05-07-10
 EL PASO ELECTRIC COMPANY (P) 05-07-10
 TEXAS GAS SERVICE UTILITIES (P) 05-07-10
 EL PASO WATER UTILITIES (P) 05-07-10
 AFTER HOURS EMERGENCY (P) 05-07-10
 THE WANNER CABLE COMPANY (P) 05-07-10
 TEXAS EXCAVATION SAFETY SYSTEM (P) 05-07-10

BEFORE YOU DIG - CALL

545-5720
 1-800-DIG-TESS
 544-5300
 1-800-DIG-TESS
 584-5775
 1-800-534-0047
 1-800-DIG-TESS (244-6377)

RECORD DRAWING

CSA DESIGN GROUP, INC. (P) 05-07-10
 EL PASO ELECTRIC COMPANY (P) 05-07-10
 TEXAS GAS SERVICE UTILITIES (P) 05-07-10
 EL PASO WATER UTILITIES (P) 05-07-10
 AFTER HOURS EMERGENCY (P) 05-07-10
 THE WANNER CABLE COMPANY (P) 05-07-10
 TEXAS EXCAVATION SAFETY SYSTEM (P) 05-07-10



csa design group, inc.
 Texas Registered Engineering Firm #2697
 1845 Northwestern Dr. Ste C
 El Paso, Texas 79912
 tel (915) 877-4155
 fax (915) 877-4334
 www.csaengr.com

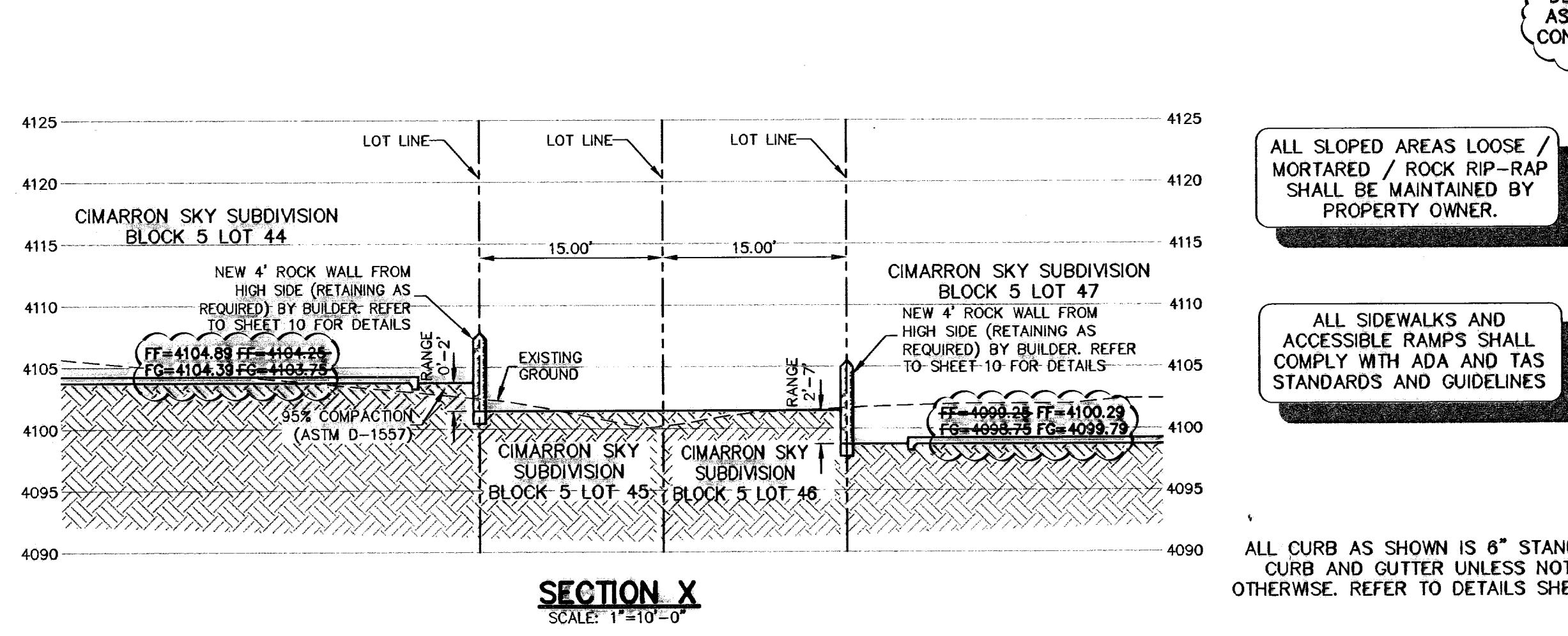
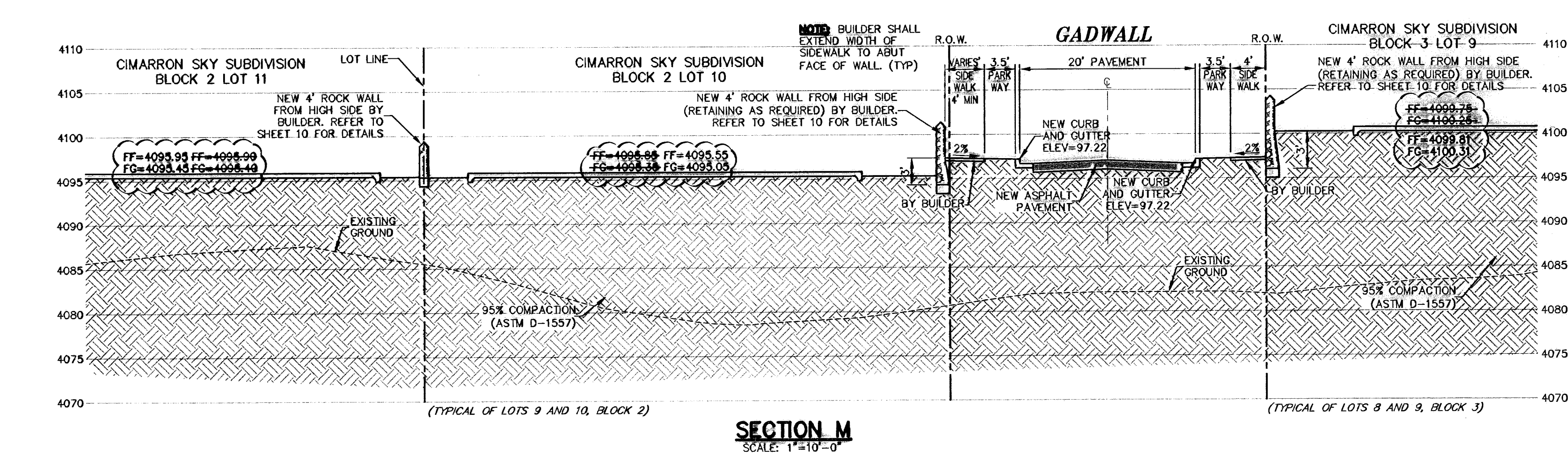
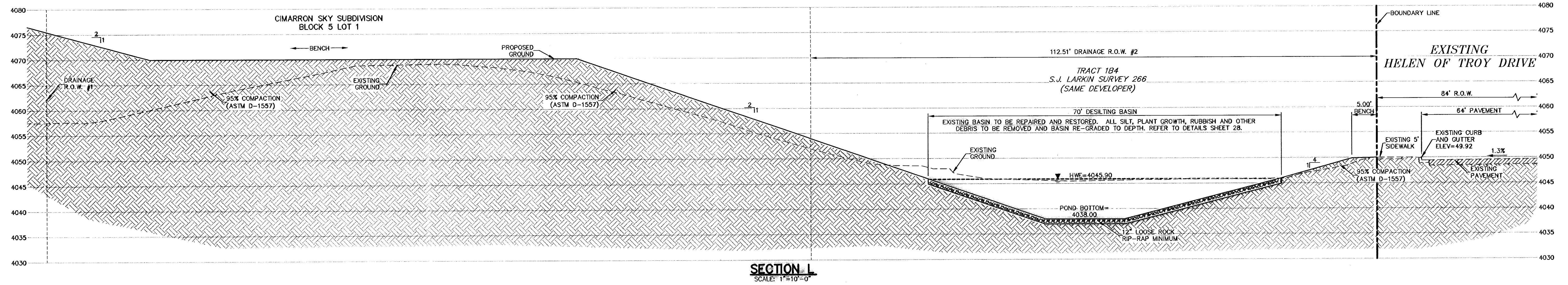
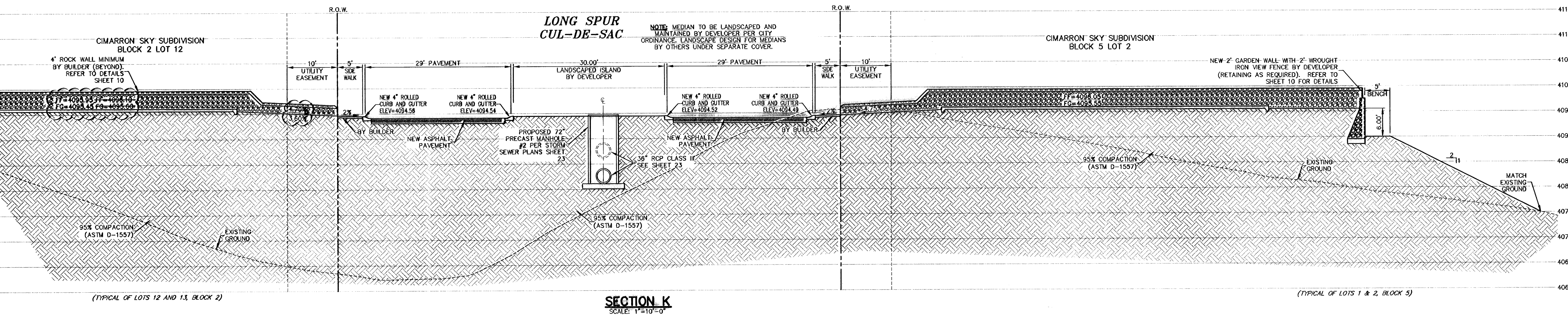
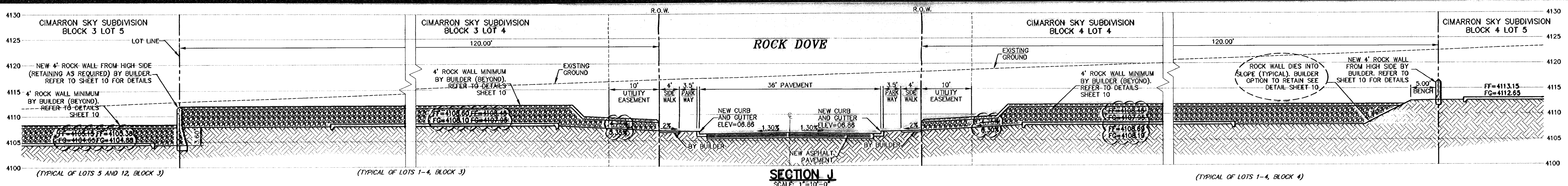
CIMARRON SKY SUBDIVISION

SHEET TITLE

CROSS SECTIONS

DESIGNED BY	9011
DATE	12/10/09
SCALE	AS NOTED
SHEET NO.	7
TOTAL SHEETS	33

600824



BENCHMARK: CITY MONUMENT AT THE CENTERLINE INTERSECTION OF REAR RIDGE DRIVE AND REDD ROAD ELEV = 4100.85 (EL PASO CITY DATA)

RECORD DRAWINGS WERE PREPARED BY CSA DESIGN GROUP, INC. UTILIZING INFORMATION OBTAINED DURING PERIODIC SITE VISITS MADE BY THE CONSULTANT DURING CONSTRUCTION. THIS INFORMATION IS PROVIDED FOR YOUR INFORMATION ONLY AND IS NOT WARRANTED BY THE CONSULTANT OR ITS ENGINEERS.

NO.	DATE	DESCRIPTION	BY
7	05-12-17	RECORD DRAWINGS	JCK
6	08-25-10	Revision to Channel, Curb, Gutter, Slope, etc.	JCK
5	02-25-10	Revision to Rock Wall Detail	JCK
4	02-25-10	Revision to Rock Wall Detail	JCK
3	02-12-10	FINAL SUBMITTAL	JCK
2	01-26-10	2nd City Submittal	JCK
1	12-10-09	1st City Submittal	JCK

BEFORE YOU DIG - CALL
 EL PASO ELECTRIC COMPANY
 1-800-DIG-TESS
 544-6800
 TEXAS GAS SERVICE
 963-941/962-2003
 TGS EMERGENCY HOTLINE (PSE)
 963-941/962-2003
 TIME WARNER (CABLE)
 775-7414
 EL PASO NATURAL GAS COMPANY
 1-800-DIG-TESS
 544-6800
 TEXAS EXCAVATION SAFETY SYSTEM
 1-800-244-3877

RECORD DRAWING

CSA DESIGN GROUP, INC.
 1845 Northwestern Dr. Ste C
 El Paso, Texas 79912
 Tel: (915) 877-4156
 Fax: (915) 877-4534
 www.csaengineers.com

STATE OF TEXAS
 JOHN C. KARLSRUHER
 53878
 REGISTERED PROFESSIONAL ENGINEER
 CIVIL ENGINEERING

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600824

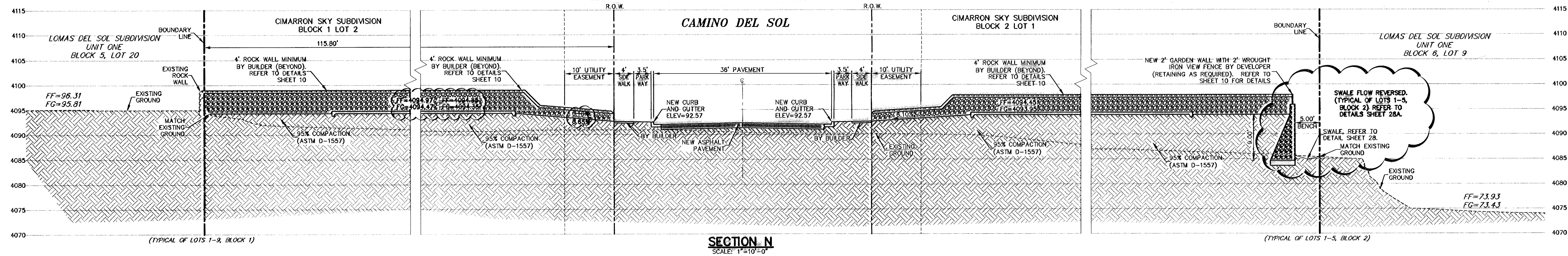
CIMARRON SKY SUBDIVISION
 SHEET TITLE

CROSS SECTIONS

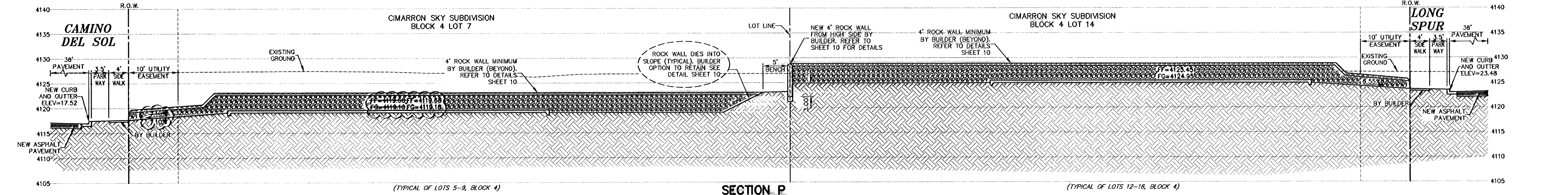
00B-SH	9011
DG-00B-SH	12/10/09
SA	AS NOTED
DRAWN BY	SCALE

SHEET NO. **8**
 OF **33**

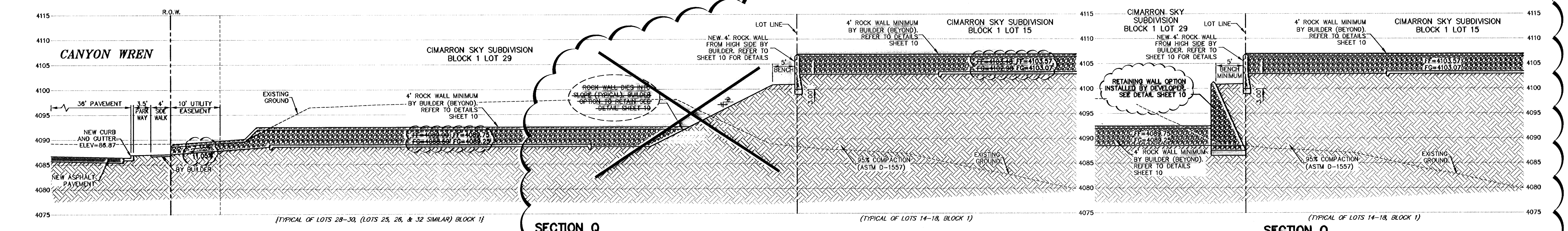
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SECTION N
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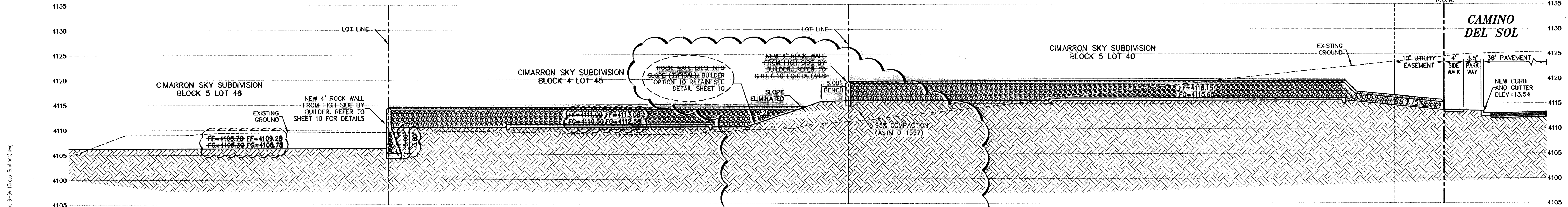


SECTION P
SCALE: 1"=10'-0"



SECTION Q
SCALE: 1"=10'-0"

SECTION Q
SCALE: 1"=10'-0"



SECTION R
SCALE: 1"=10'-0"

SECTION R
SCALE: 1"=10'-0"

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DENOTES AS-BUILT CONDITIONS

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600824

NO.	DATE	DESCRIPTION	BY
1	01-26-10	2nd City Submittal	JCK
2	01-26-10	Final Submittal	JCK
3	02-12-10	Revisions to rock wall detail	JCK
4	02-26-10	Revisions to rock wall detail	JCK
5	05-07-10	Swale Correction, Blk 2, Lots 1-5	JCK
6	08-14-10	Revision to Channel, Loose Rock Rip-Rap	JCK
7	05-12-11	RECORD REVISIONS	JCK

WARNING!
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AND IMPROVEMENTS IN
THE PROJECT AREA

BEFORE YOU DIG - CALL
EL PASO ELECTRIC COMPANY 545-5720
EL PASO GAS SERVICE 1-800-DIG-TESS
EL PASO WATER UTILITIES (P&S) 545-5300
EL PASO WATER UTILITIES (P&S) 1-800-DIG-TESS
EL PASO WATER UTILITIES (P&S) 594-5775
EL PASO WATER UTILITIES (P&S) 1-800-DIG-TESS
EL PASO WATER UTILITIES (P&S) 1-800-DIG-TESS
EL PASO WATER UTILITIES (P&S) 1-800-DIG-TESS

RECORD DRAWING

STATE OF TEXAS
REGISTERED PROFESSIONAL ENGINEER
NO. 53878
JOHN C. KARLSRUHER
C.S.A. ENGINEERS, INC.

csa design group, inc.
Texas Registered Engineering Firm F-4697
1845 Northwestern Dr. Ste C
El Paso, Texas 79912
Tel (915) 877 4155
Fax (915) 877 4334
www.csaengineers.com

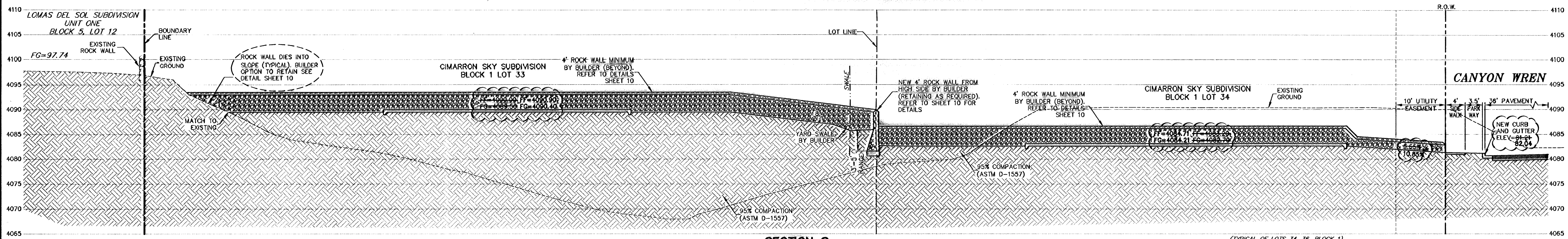
CIMARRON SKY SUBDIVISION
SHEET TITLE

CROSS SECTIONS

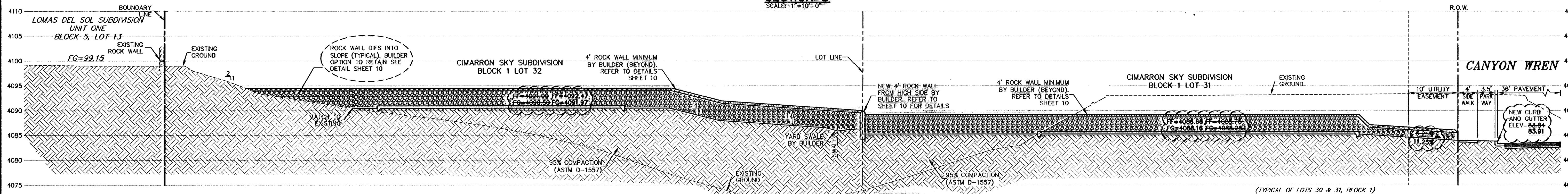
COB-SH	9011
DC-COB-SH	12/10/09
SA	AS NOTED
DATE	SCALE

SHEET NO. **9**
OF **33**

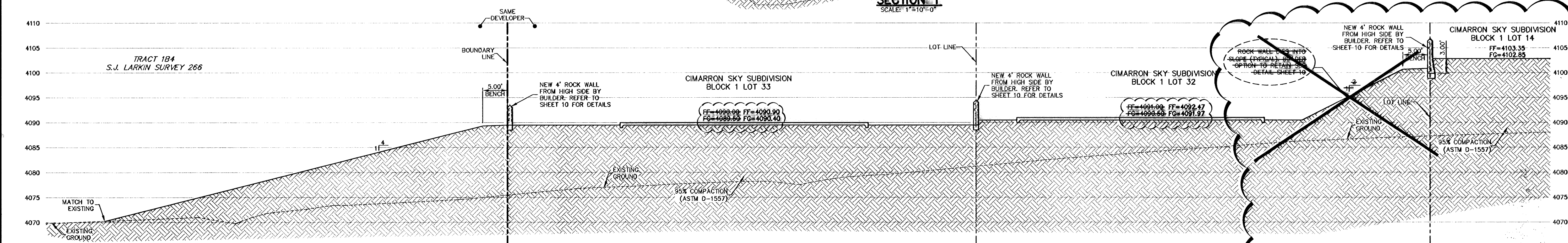
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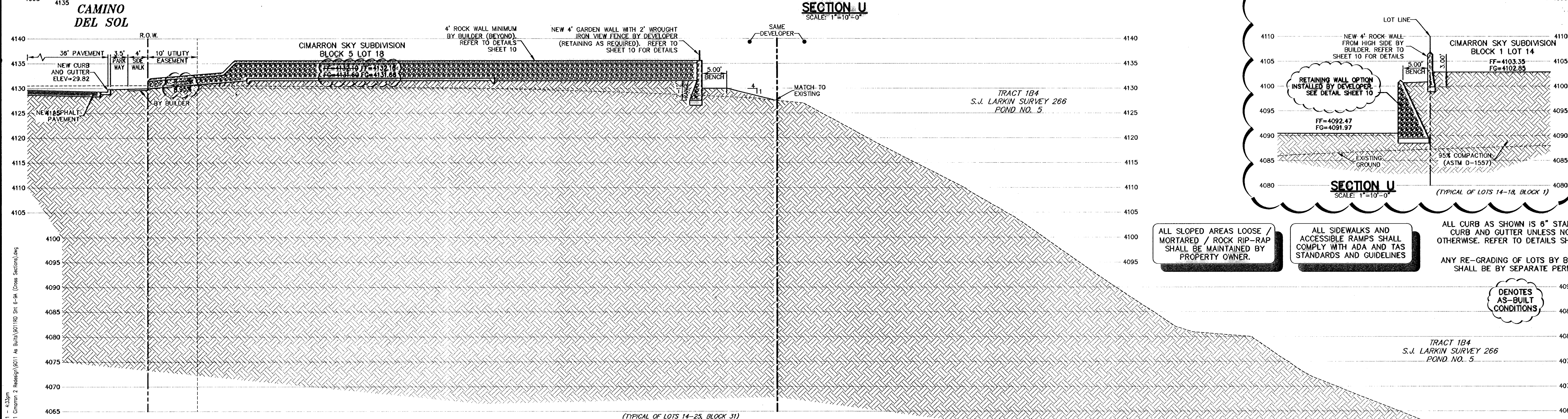
SECTION S
SCALE: 1"=10'-0"



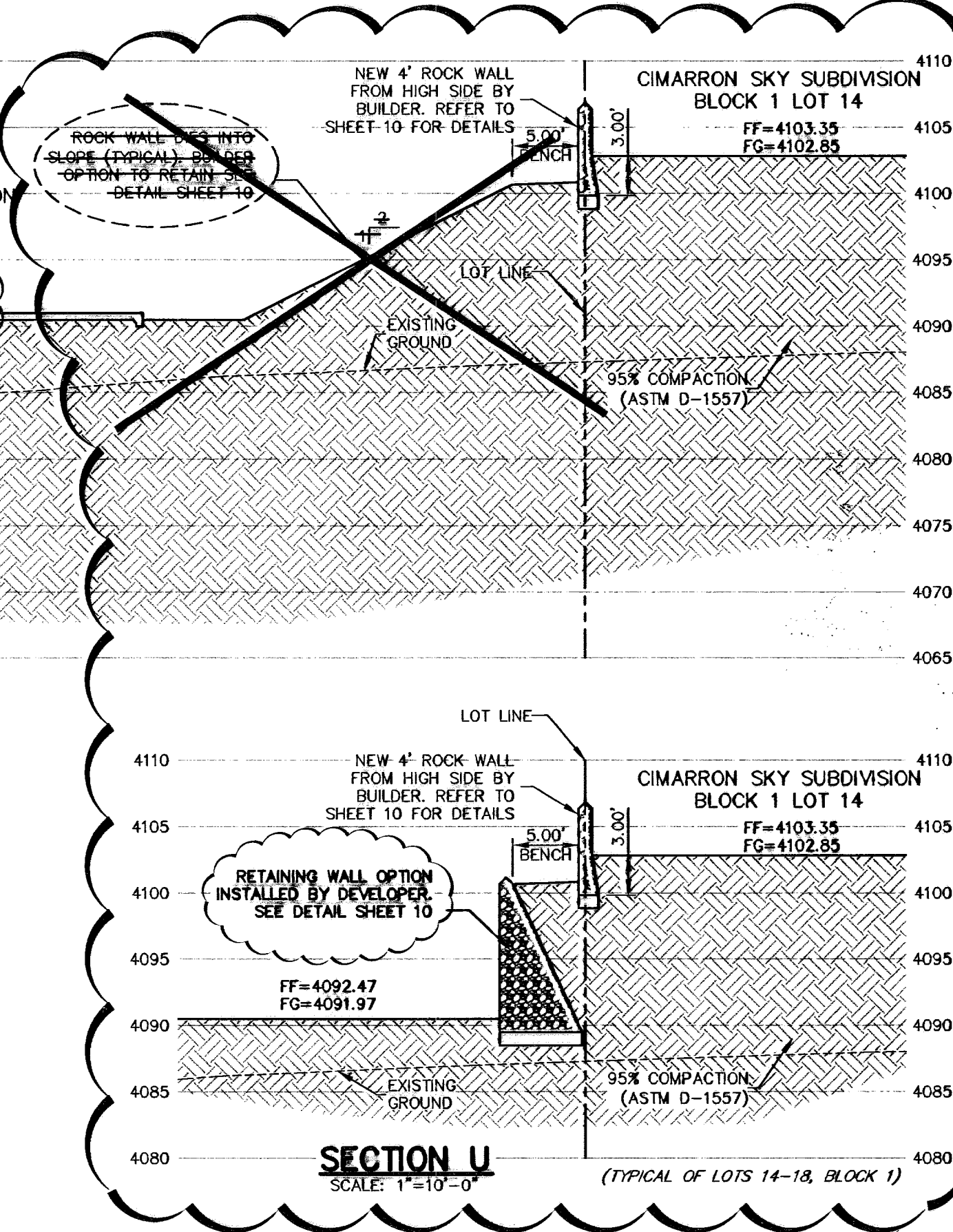
SECTION T
SCALE: 1"=10'-0"



SECTION U
SCALE: 1"=10'-0"



SECTION V
SCALE: 1"=10'-0"



SECTION U
SCALE: 1"=10'-0"

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DENOTES AS-BUILT CONDITIONS

NO.	DATE	DESCRIPTION	BY
7	05-12-11	RECORD DRAWINGS	JCK
6	04-14-10	Revisions to Channel Loose Rock Rip-Rap	FRN
5	05-07-10	Revisions to Channel Loose Rock Rip-Rap	JCK
4	02-26-10	Revisions to rock wall detail	JCK
3	02-12-10	FINAL SUBMITTAL	JCK
2	01-26-10	2nd City Submittal	JCK
1	12-10-09	1st City Submittal	JCK

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CALL
BEFORE YOU DIG - CALL
EL PASO ELECTRIC COMPANY
AT&T
TEXAS SERVICE
EL PASO WATER UTILITIES (P&B)
AFTER HOURS EMERGENCY (EPMU)
EL PASO NATURAL GAS COMPANY
TEXAS EXCAVATION SAFETY SYSTEM

RECORD DRAWING

John C. Karlsruher
Professional Engineer
No. 33878
State of Texas

csa design group, inc.
Texas Registered Engineering Firm E-2687
1845 Northwestern Dr. Ste C
El Paso, Texas 79912
tel (915) 877-4155
fax (915) 877-4324
www.csaengineers.com

CIMARRON SKY SUBDIVISION
SHEET TITLE

CROSS SECTIONS

COB-SH	9011
DS-GOB-SH	12/10/09
SA	AS NOTED
DATE	SCALE

9A
33

May 11, 2011 - 4:33pm
C:\Users\jck\OneDrive\Documents\2\Revelo\9011\As-Built\9011R01.Dwg E-2687 (Cross Sections).dwg

600824

ROCK WALLS

MATERIALS: Stone for rockwalls shall consist of quarried limestone or nearly uniform in section as is practical. Fill stone or salvaged stone from rockwalls shall be used only where directed by the Engineer. The stone shall be dense, resistant to the action of air and water, clean of old mortar and suitable in all respects for the purpose intended.

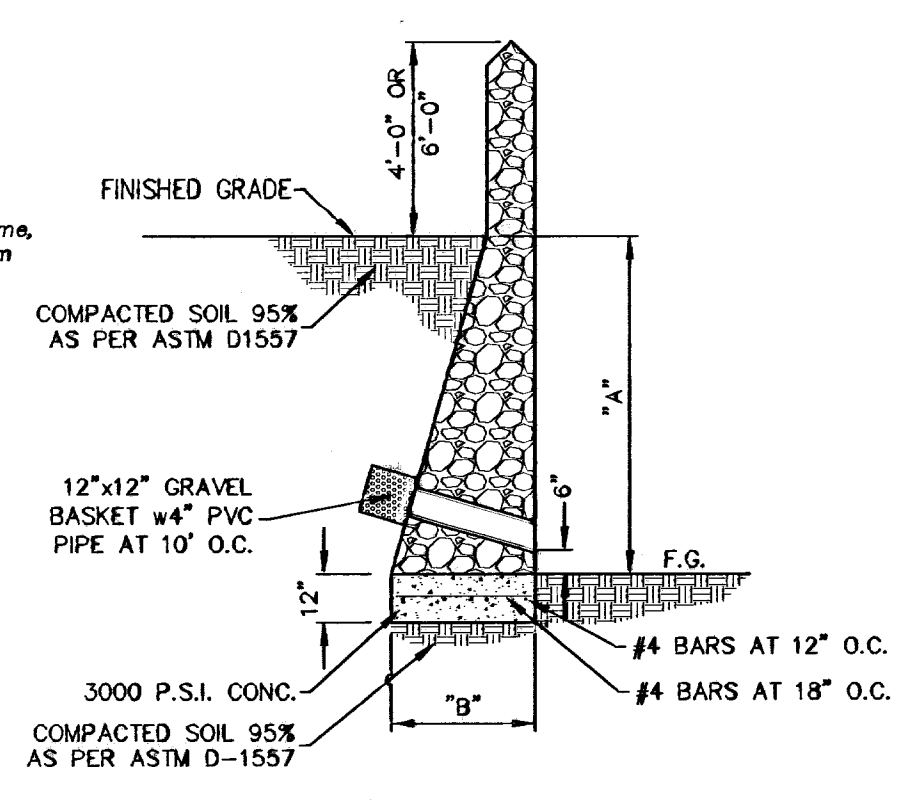
Mortar for the rockwalls shall consist of volumes of one (1) part Portland cement, one-quarter (1/4) to 1/2 part hydrated lime, and three (3) parts clean, hard, durable sand (2 1/4 to 3 times the sum of the volumes of cement and lime combined. See city building code CP 14-3 and 14-4). Mortar shall be Type S, ASTM Specification C270-73. Compressive strength = 1800 p.s.i. (28 days). Concrete for the foundation shall be Class "A" (3000 p.s.i.). Reinforcing steel shall conform to ASTM A 615, Grade 60. If rockwall is frequently exposed to water, lime shall not be used and the portions shall be one part Portland cement and three parts sand.

CONSTRUCTION METHODS: Prior to placing the concrete foundation, the excavation for the rockwalls shall be made to the proper section, and, if considered necessary by the Engineer, the bottom of the excavation shall be hand-tamped and sprinkled. The excavated area for rockwalls shall be moist when the concrete is placed. Reinforcing steel shall be placed continuously throughout the placement of concrete. The surface of the concrete shall not be trowled. The concrete shall be placed a minimum of 24 hours before any stone or mortar is placed on the foundation. The concrete shall be cured a minimum of 48 hours before more than 300 pounds per square foot of stone and mortar is placed on the foundation. Concrete shall be placed in the first four inches of the first layer into the fresh concrete of the footing.

Stone shall be selected as to size and shape in order to secure fairly large, flat-surfaced stone which may be erected with true and even surface faces and a minimum of exposed mortar. All stones shall be thoroughly cleaned, wetted, hand-placed and embedded in mortar so that no stones shall touch each other or the concrete foundation shall be firmly bound together with mortar. The finished surface shall present a neat, clean, workmanlike and true-to-line appearance. The interior of the rockwall shall be completely filled with spots and pieces of the specified stone, completely embedded and surrounded by mortar with no voids.

The erection of the rockwall shall not be more than three feet in height for every 24-hour period to allow for the lower portions to become sufficiently set. All stones shall be thoroughly wet before being placed in fresh mortar. The last layer of rock prior to break of construction phase shall not have any mortar on top. Fresh mortar must be used for continuation of work following erection break.

Weep holes shall be placed on the rockwall as shown on the plans. The weep holes shall be not more than ten feet apart on-center. The weep holes shall consist of four-inch vitrified clay pipe, or other pipe as approved by the Engineer, neatly cut to the exposed surface of the rockwall. No less than one cubic foot of one-inch to 3/4-inch of graded gravel shall be placed at the inlet of each weep hole as shown on the plans.



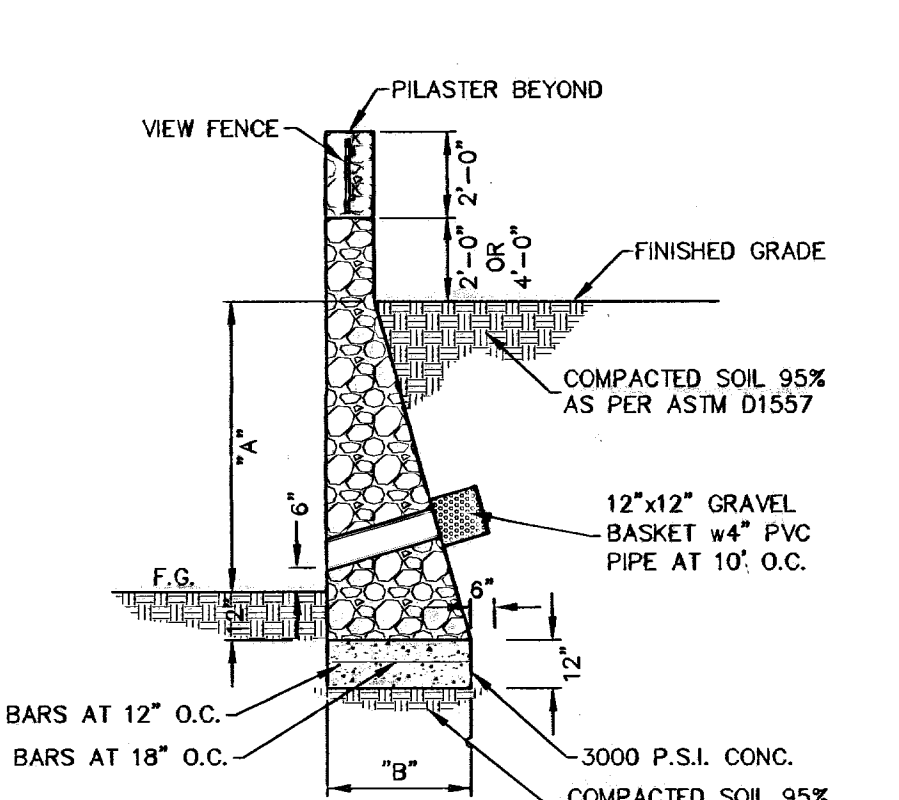
GENERAL NOTES:

- 1. Footing shall be placed on subgrade compacted to a minimum of 95% of its maximum dry density in accordance with ASTM D 1557.
2. Backfill shall be placed in 8" loose lifts and compacted to 95% in accordance with ASTM D 1557.

ROCK RETAINING WALL WITH GARDEN WALL EXTENSION

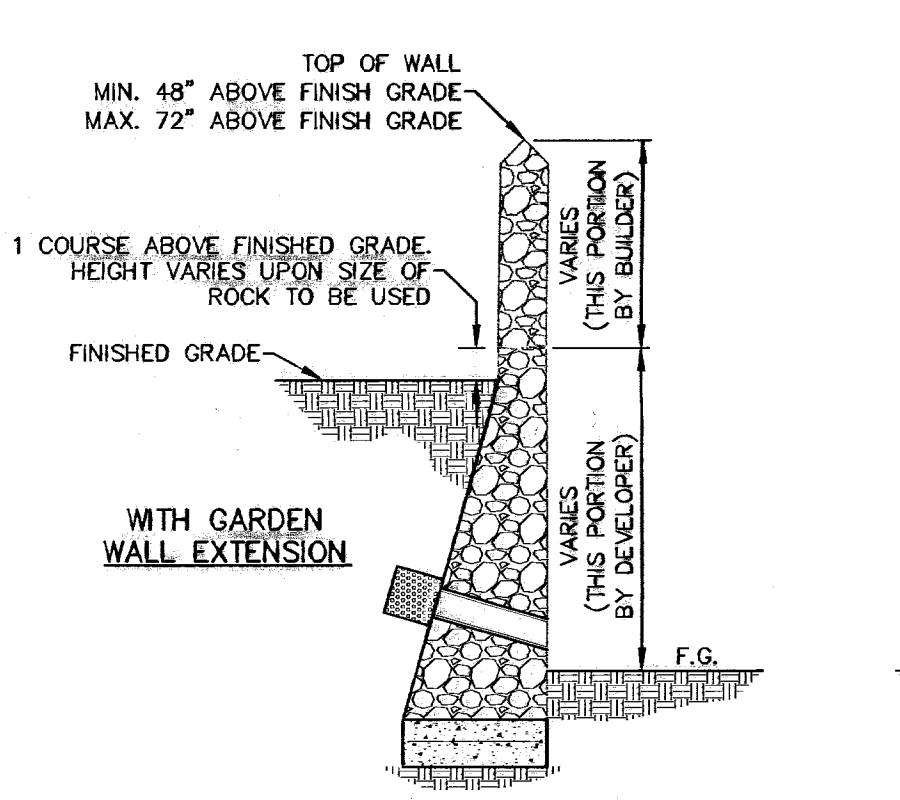
SCALE: 1"=4'-0"

Table with 2 columns: 'A' and 'B'. It lists various dimensions for different wall heights and widths, ranging from 2'-0" to 13'-0" in height and 1'-0" to 7'-0" in width.



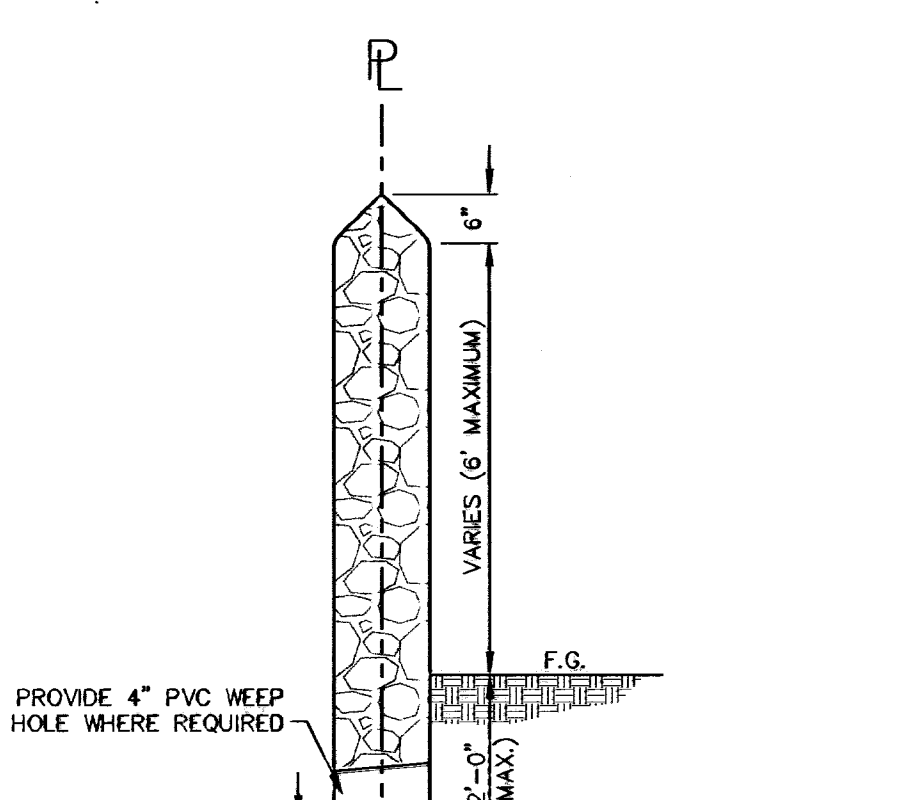
ROCK RETAINING WALL WITH GARDEN WALL EXTENSION AND WROUGHT IRON VIEW FENCE

SCALE: 1"=4'-0"



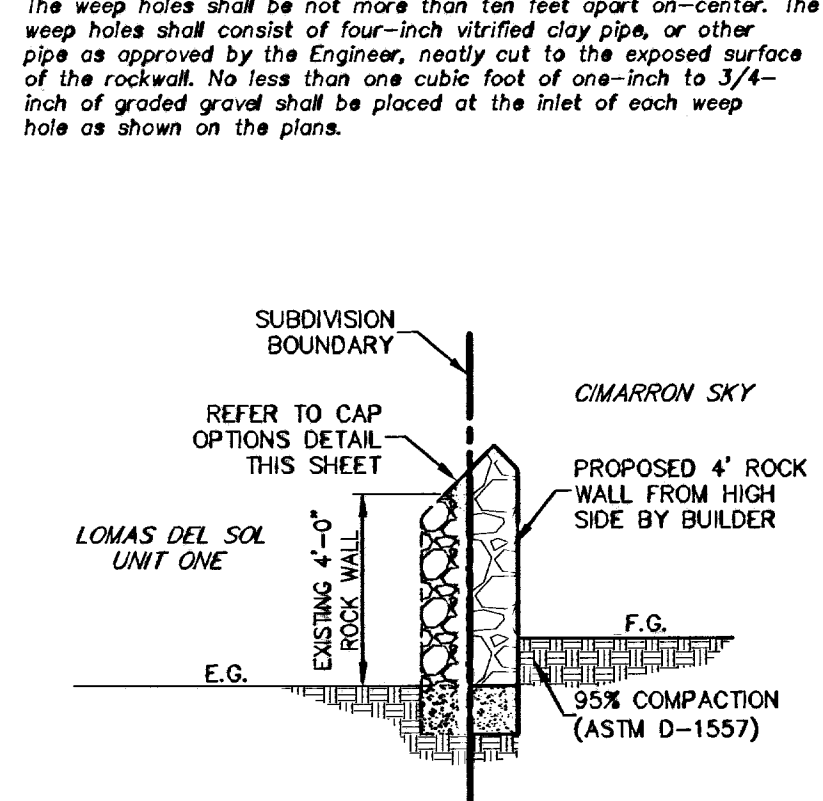
ROCK RETAINING WALL BATTER ONLY BY DEVELOPER

SCALE: 1"=4'-0"



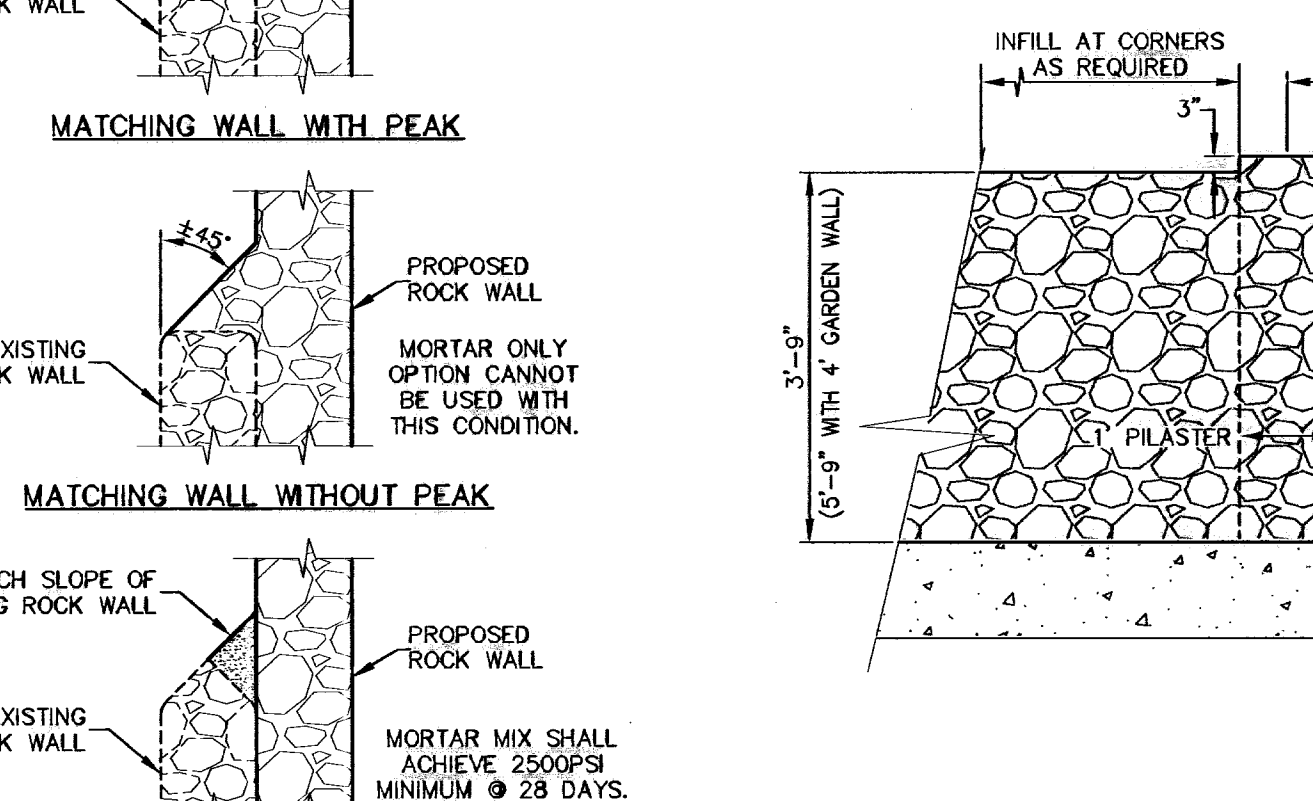
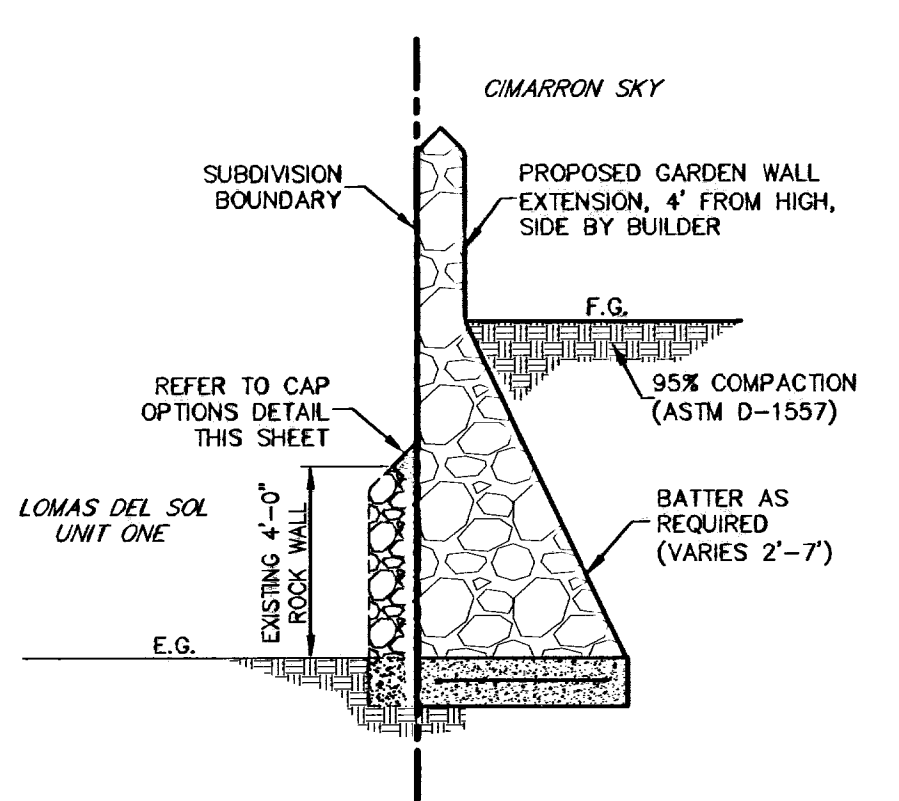
ROCKWALL DETAIL

SCALE: 1"=2'-0"



ADJACENT WALL CONSTRUCTION

SCALE: 1/4"=1'-0"

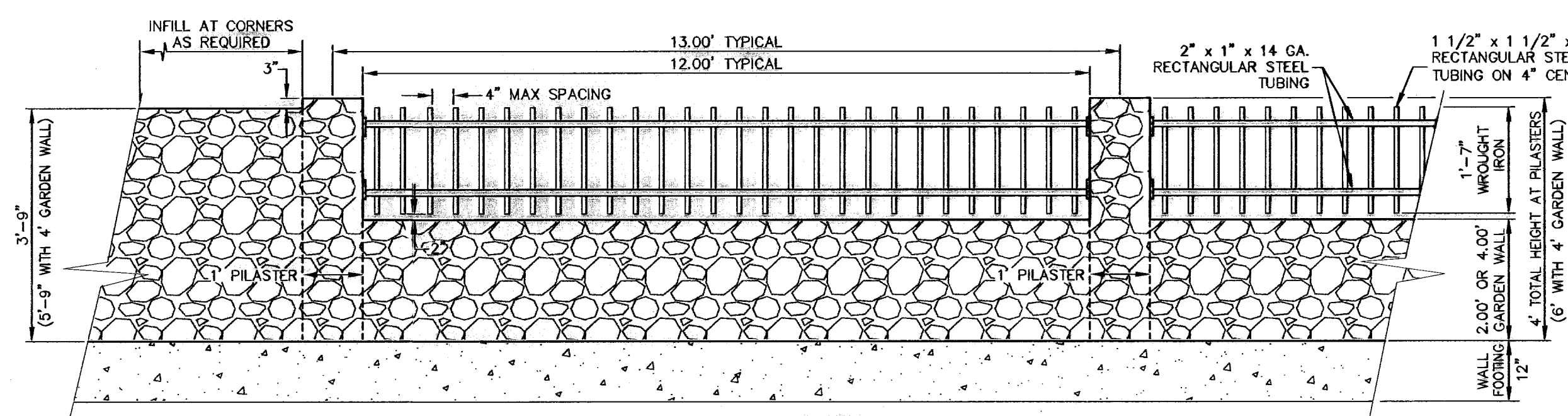


MORTAR ONLY OPTION

WITH EACH OPTION, THE CONTRACTOR SHALL TAKE GREAT CARE TO ENSURE THAT ALL VOIDS ARE FILLED AND THAT THE CAP COMPLETELY SEALS THE JUNCTURE BETWEEN THE WALLS TO PREVENT INFILTRATION OF WATER RUN OFF.

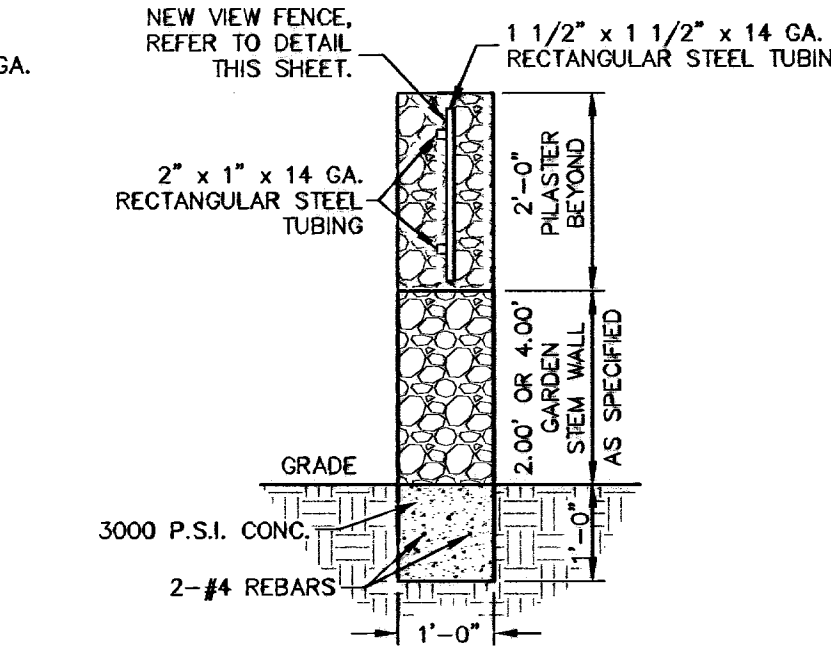
CAP OPTIONS

SCALE: 1/2"=1'-0"



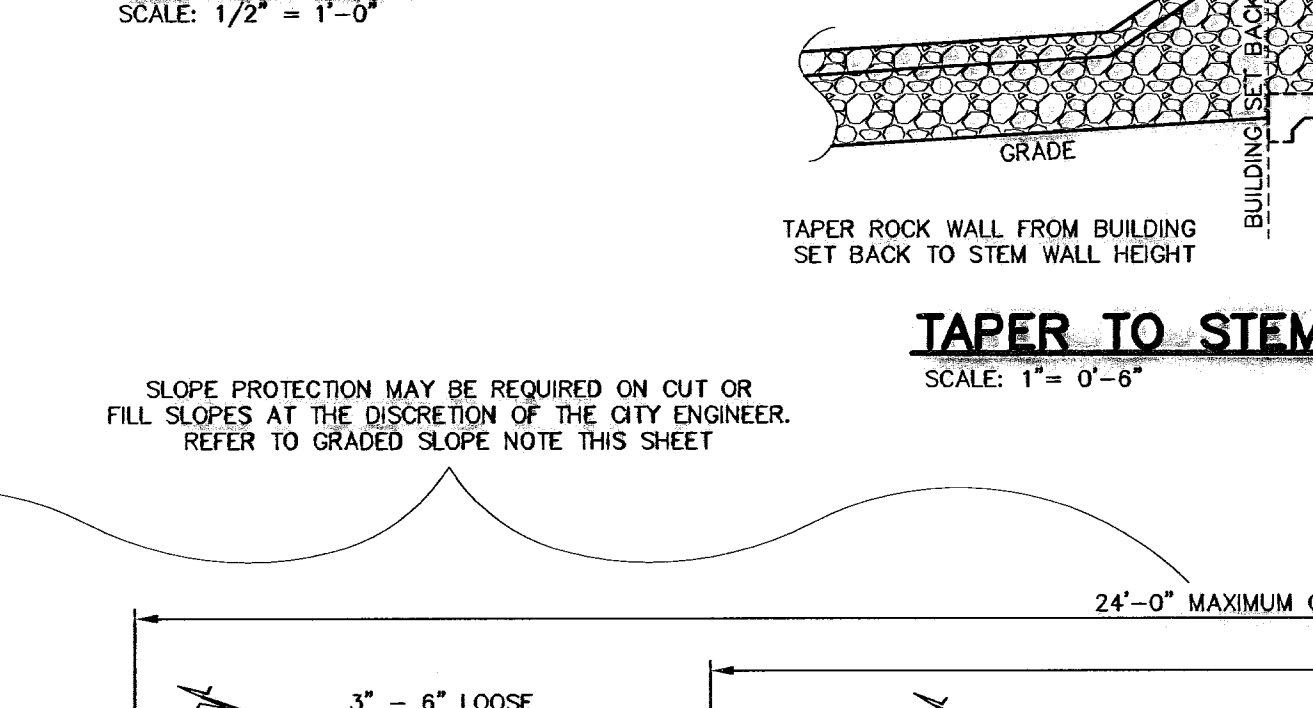
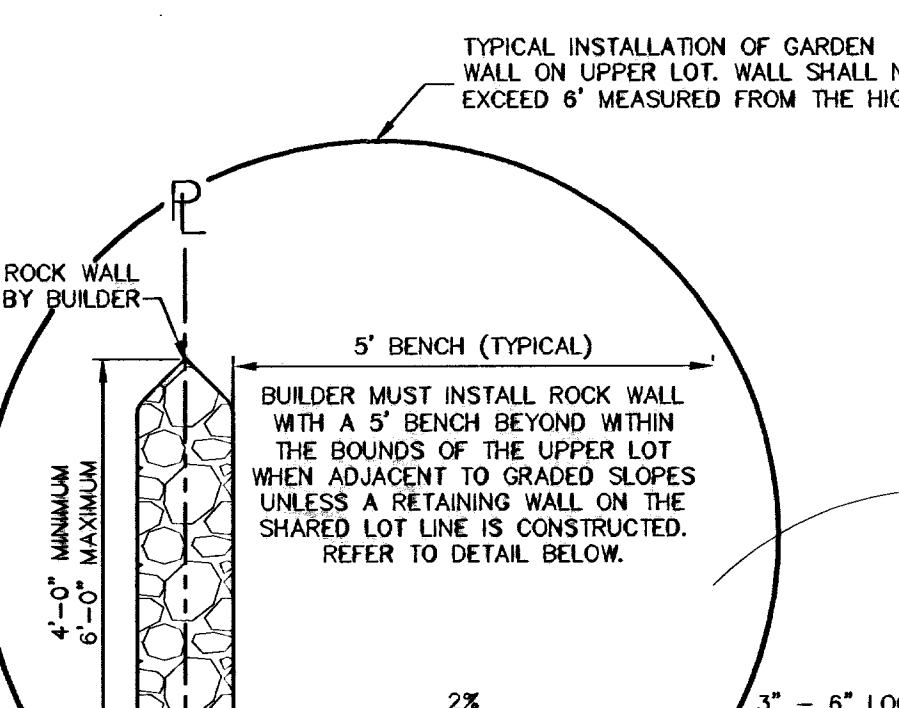
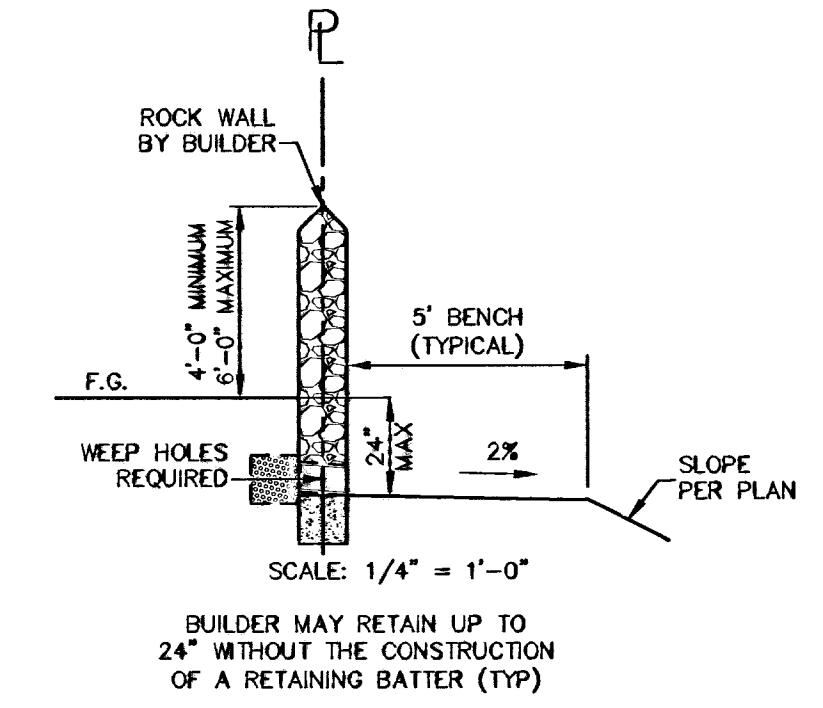
WROUGHT IRON VIEW FENCE

SCALE: 1"=2'-0"



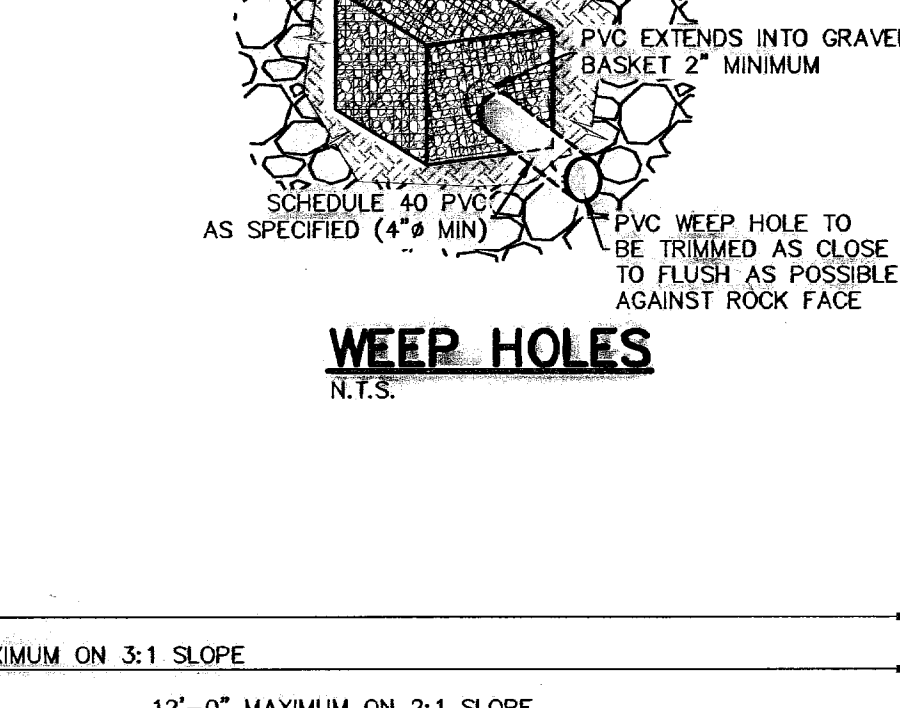
GARDEN WALL WITH WROUGHT IRON VIEW FENCE

SCALE: 1"=2'-0"



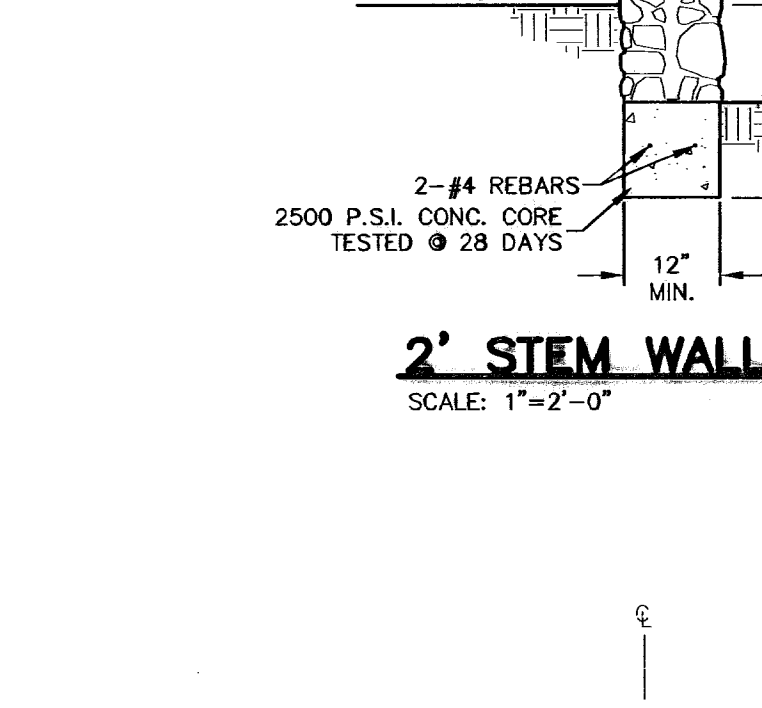
TAPER TO STEM WALL

SCALE: 1"=0'-6"



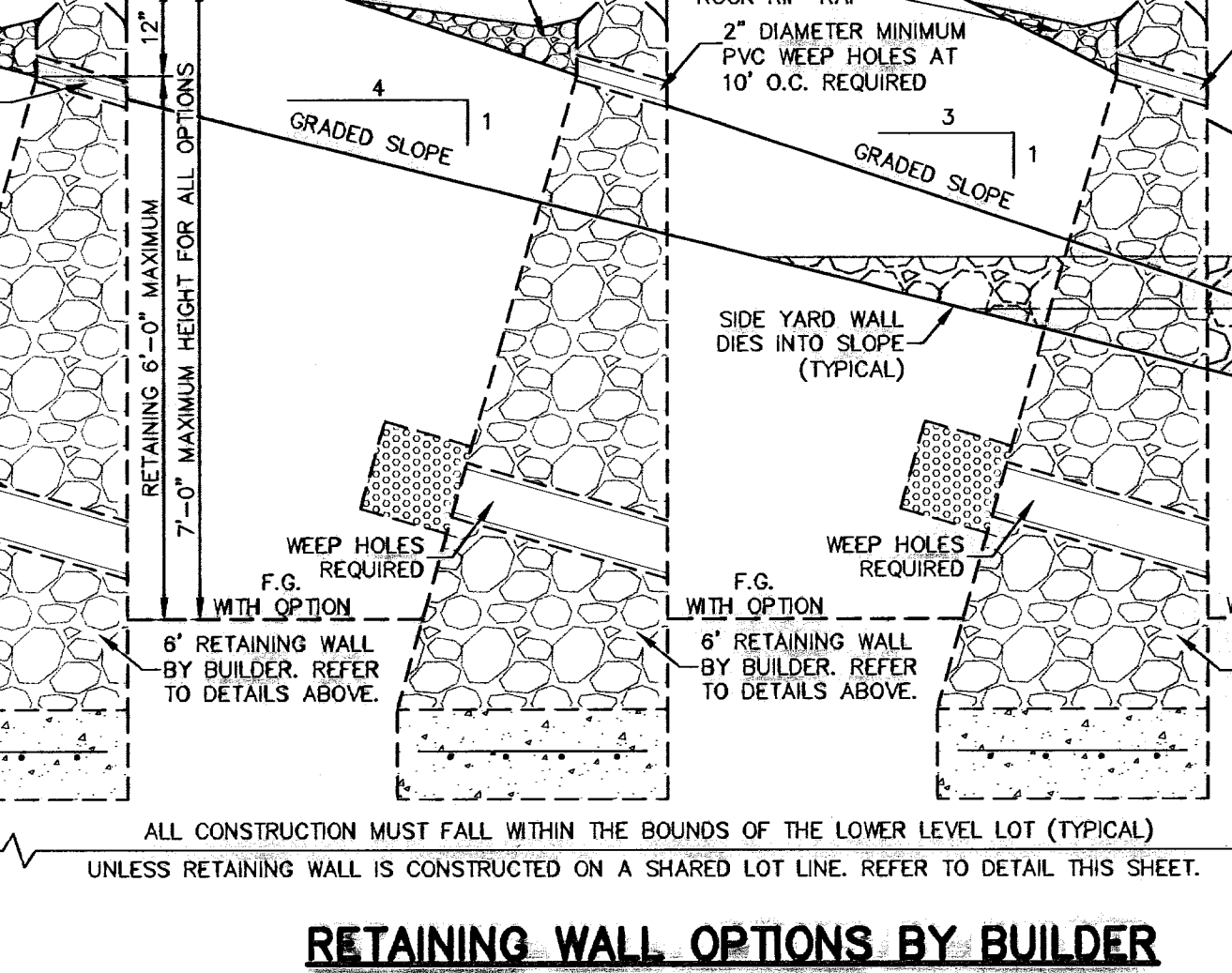
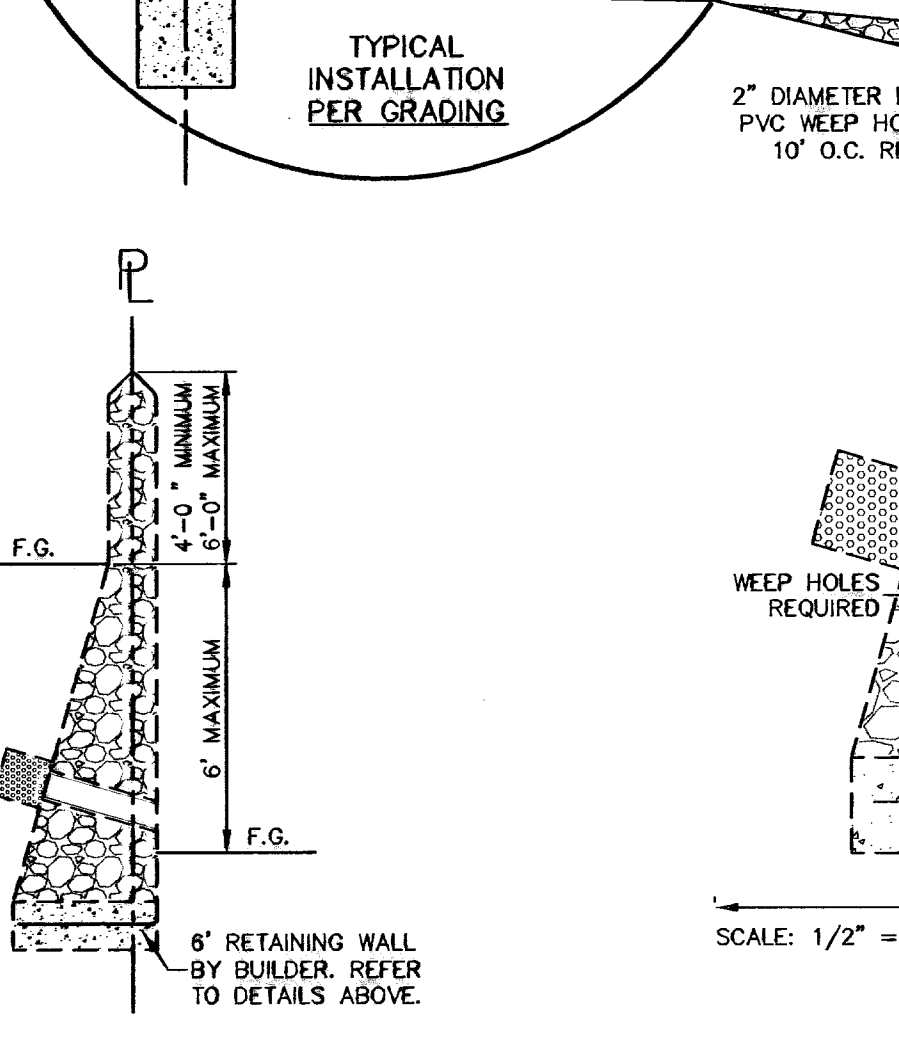
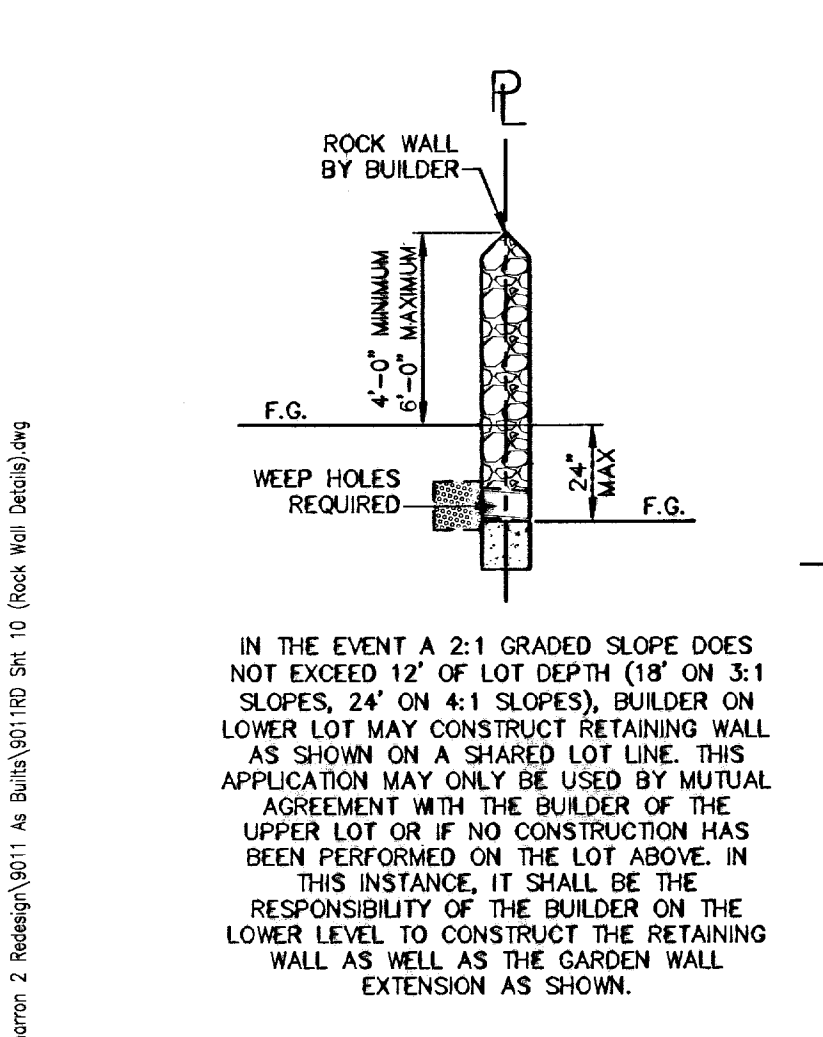
WEEP HOLES

N.T.S.



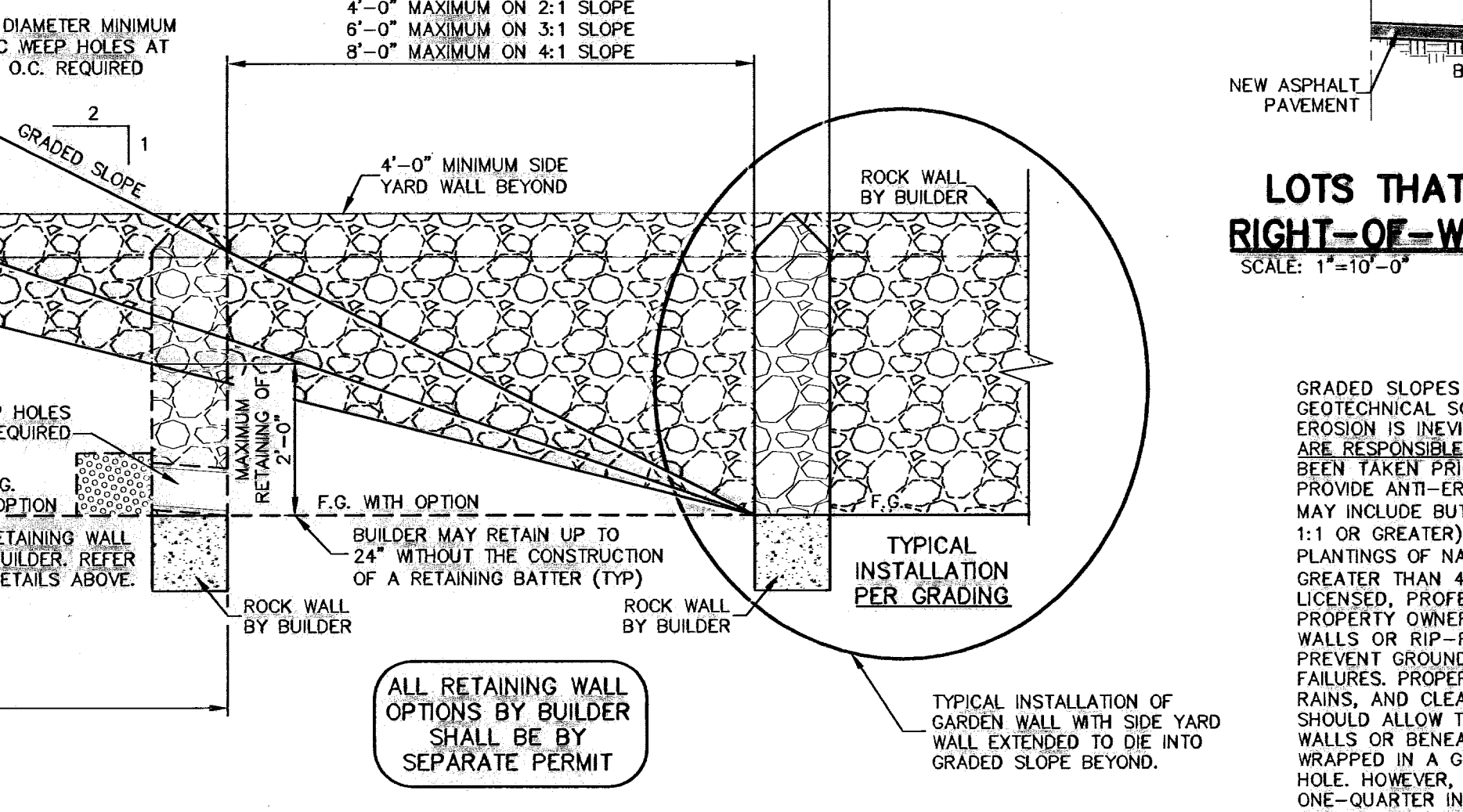
2" STEM WALL DETAIL

SCALE: 1"=2'-0"



RETAINING WALL OPTIONS BY BUILDER

SCALE: AS NOTED



LOTS THAT ARE LOWER THAN RIGHT-OF-WAY DETAIL (TYPICAL)

SCALE: 1"=10'-0"



RETAINING ON SHARED LOT LINE

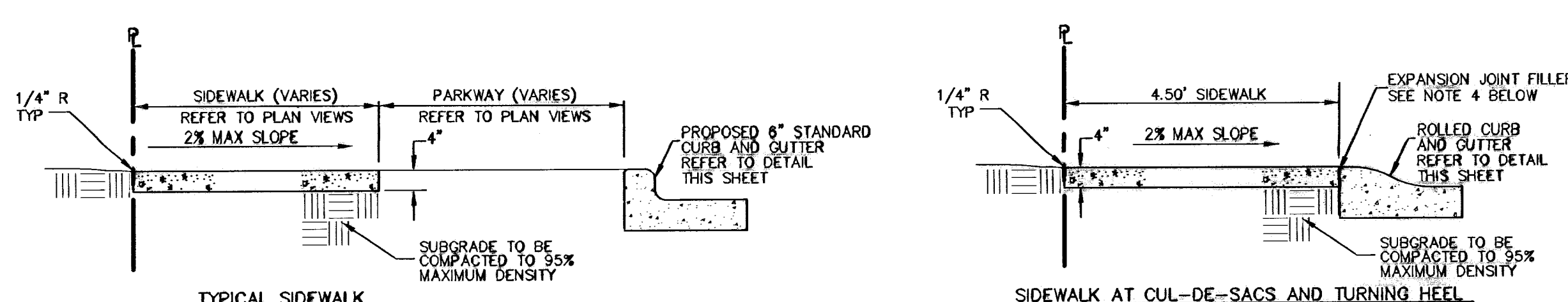
* NOT AT STREET RIGHT-OF-WAY SCALE: 1/4"=1'-0"

GRADED SLOPES AS SHOWN ON THE GRADING PLAN HAVE BEEN ENGINEERED, BASED ON A GEOTECHNICAL SOILS INVESTIGATION REPORT, TO STAND AT THE SLOPE INDICATED. HOWEVER, EROSION IS INEVITABLE ON ANY SLOPE, EVEN IN HIGHLY COHESIVE SOILS. PROPERTY OWNERS ARE RESPONSIBLE FOR THE MAINTENANCE OF SLOPES WITHIN THEIR LOTS. NO MEASUREMENTS HAVE BEEN TAKEN PRIOR TO PURCHASE. IT IS HIGHLY RECOMMENDED THAT THE PROPERTY OWNER PROVIDE ANTI-EROSION CONTROLS ON GRADED SLOPES WITHIN THE BOUNDS OF THE LOT. THESE MAY INCLUDE BUT ARE NOT LIMITED TO CONCRETE RIP-RAP, MORTARED ROCK RIP-RAP (SLOPES 1:1 OR GREATER), LOOSE ROCK RIP-RAP OF A SPECIFIED DIAMETER, SOIL RETENTION BLANKETS, PLANTINGS OF NATIVE SPECIES, (SOIL AND OTHER GRASSES MAY NOT PERFORM WELL ON SLOPES GREATER THAN 4:1). BEFORE PERFORMING ANY WORK, PROPERTY OWNERS SHOULD CONSULT A LICENSED PROFESSIONAL CIVIL ENGINEER. ADDITIONALLY, IT IS THE RESPONSIBILITY OF THE PROPERTY OWNER TO CLEAN AND MAINTAIN ANY WEEP HOLES THAT HAVE BEEN INSTALLED IN WALLS OR RIP-RAP. WEEP HOLES ARE AN INTEGRAL COMPONENT OF DRAINAGE SO AS TO PREVENT GROUND SATURATION BEHIND WALLS AND RIP-RAP THAT COULD CAUSE STRUCTURAL FAILURES. PROPERTY OWNERS SHOULD PERFORM REGULAR INSPECTIONS, ESPECIALLY AFTER HEAVY RAINS, AND CLEAR WEEP HOLES OF ANY SILT AND DEBRIS. PROPERLY INSTALLED WEEP HOLES SHOULD ALLOW THE PASSAGE OF ANY STORM WATER RUN OFF THAT MAY ACCUMULATE BEHIND WALLS OR BENEATH RIP-RAP AS A RESULT OF INFILTRATION. WIRE ENCASED GRAVEL FILTERS WRAPPED IN A GEOTEXTILE FABRIC SHOULD PREVENT LARGE DEBRIS FROM BLOCKING THE WEEP HOLE. HOWEVER, THE PASSAGE OF SILT, SAND, AND OTHER FINE PARTICULATE MATERIAL UP TO ONE-QUARTER INCH IN DIAMETER SHOULD BE CONSIDERED NORMAL. UNDER NO CIRCUMSTANCES SHOULD THE WEEP HOLES BE INTENTIONALLY BLOCKED TO PREVENT PASSAGE OF STORM WATER.

GRADED SLOPES

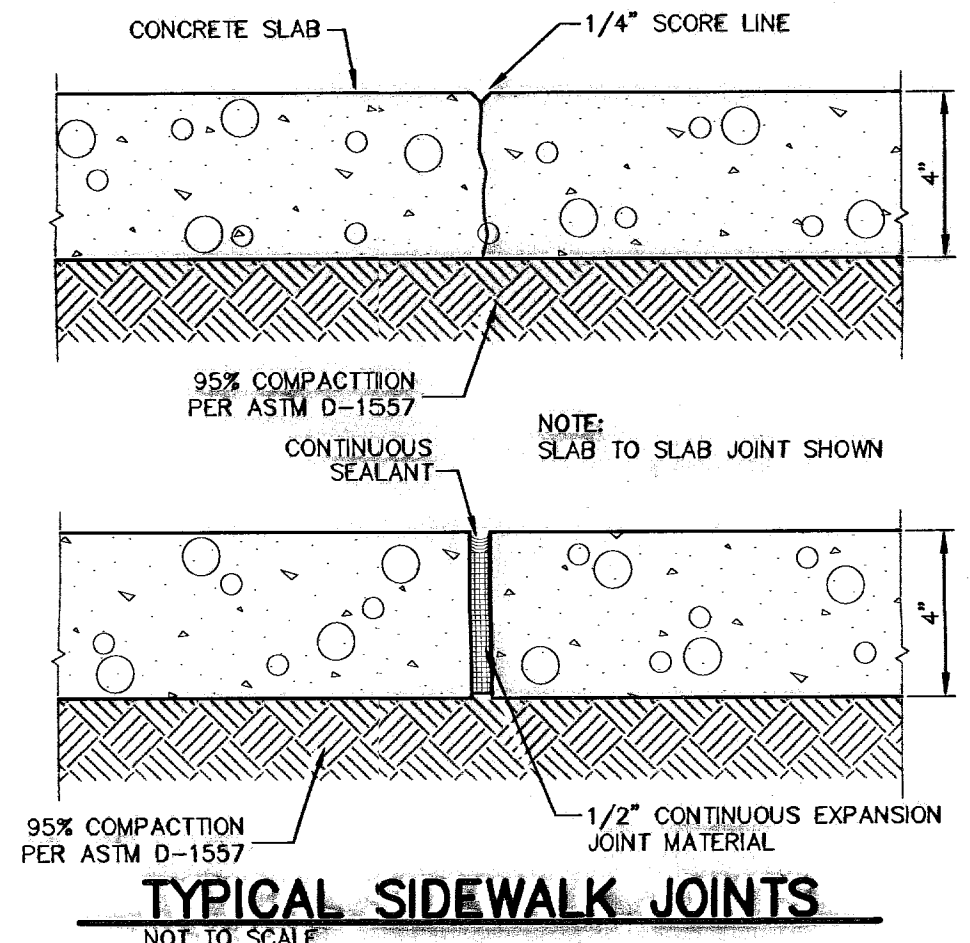
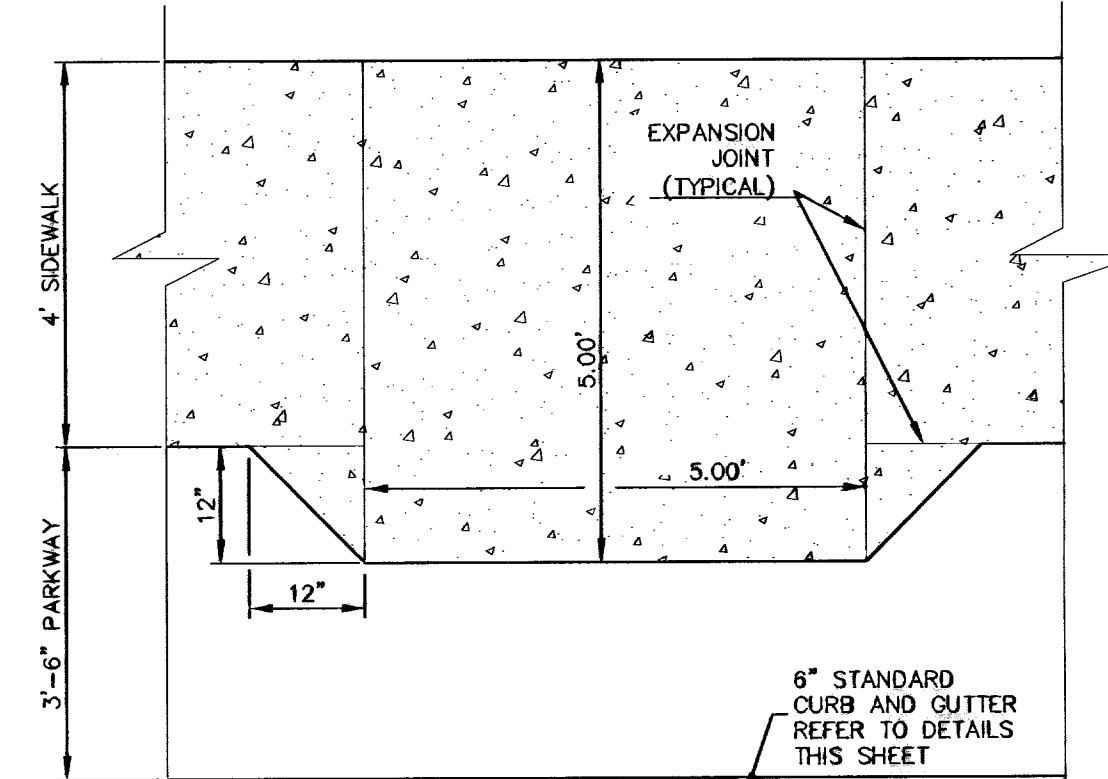
600824

RECORD DRAWING. Includes project information, a table of revisions, a warning to dig, and contact information for C&S design group, inc. and C&S Engineering Firm, Inc. The drawing is for Cimarron Sky Subdivision, Rock Wall Details, Sheet 10 of 33.

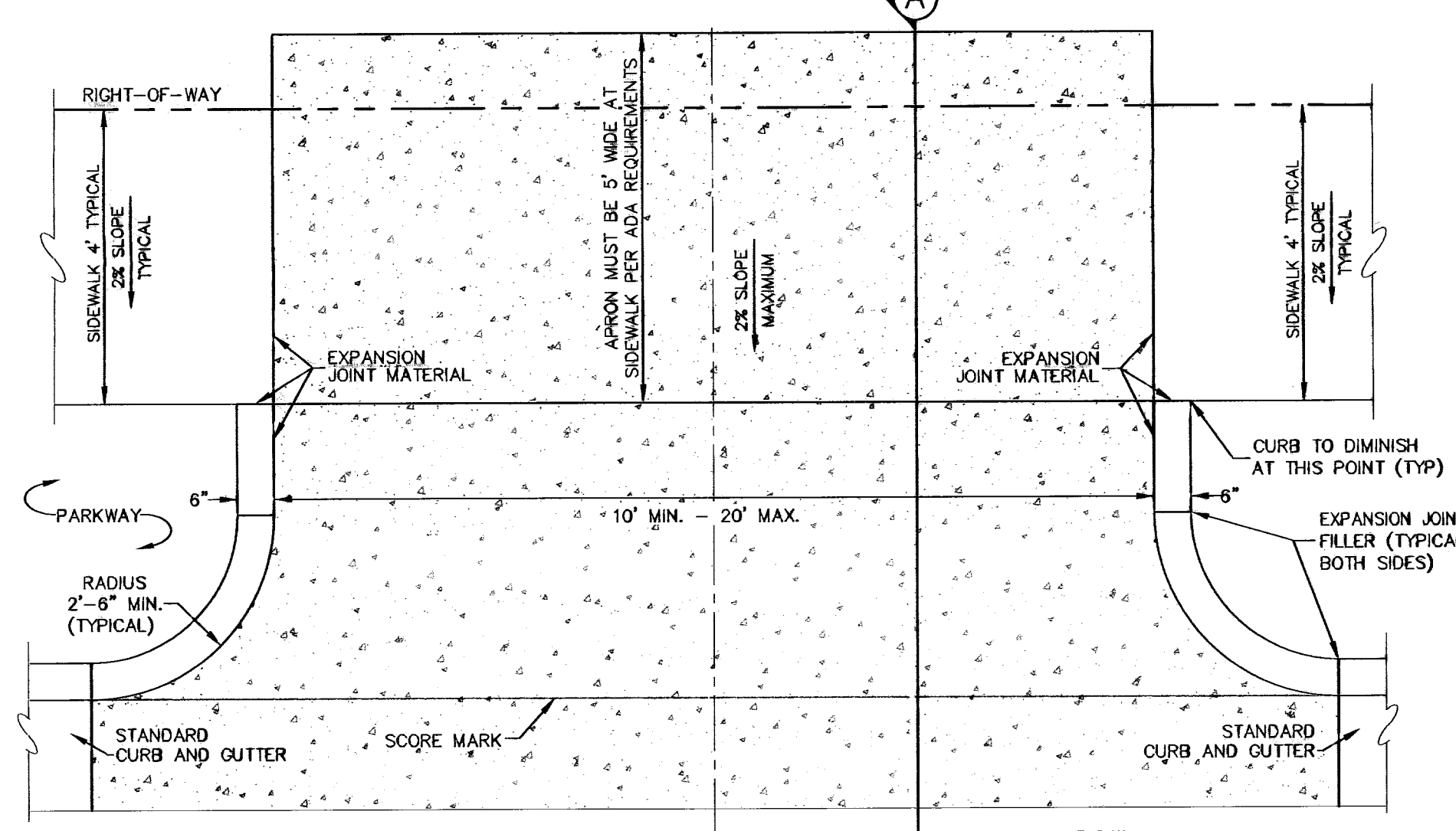


- NOTES:**
1. PROVIDE TRANSVERSE CONTRACTION JOINTS AT INTERVALS NOT EXCEEDING 5'-0" O.C.
 2. PROVIDE EXPANSION JOINTS AT INTERVALS NOT EXCEEDING 20'-0" O.C. AND ALONG FEATURES THAT PROJECT THROUGH OR ADJACENT TO SIDEWALK.
 3. CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI AT 28 DAYS.
 4. EXPANSION JOINT FILLER SHALL BE 1/2" BITUMINOUS TYPE PREFORMED JOINT FILLER, AASHTO M-33.
 5. WHEREVER SIDEWALK ABUTS ROCK OR MASONRY STRUCTURES SUCH AS CURBS OR BUILDINGS, EXPANSION JOINT FILLER SHALL BE PLACED IN ACCORDANCE WITH STANDARD SPECIFICATIONS.

SIDEWALK DETAILS
SCALE: 1" = 2"

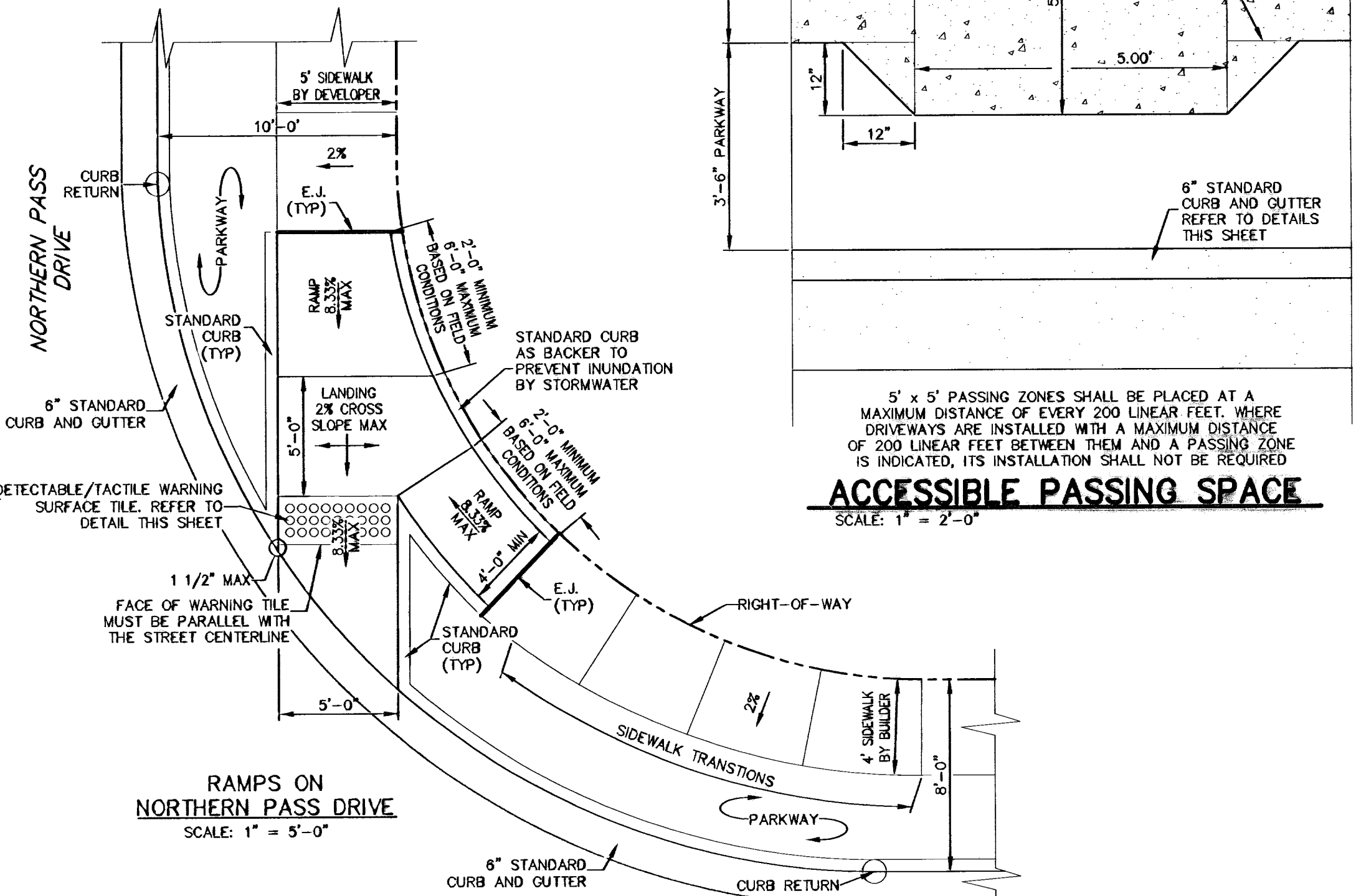


TYPICAL SIDEWALK JOINTS
NOT TO SCALE



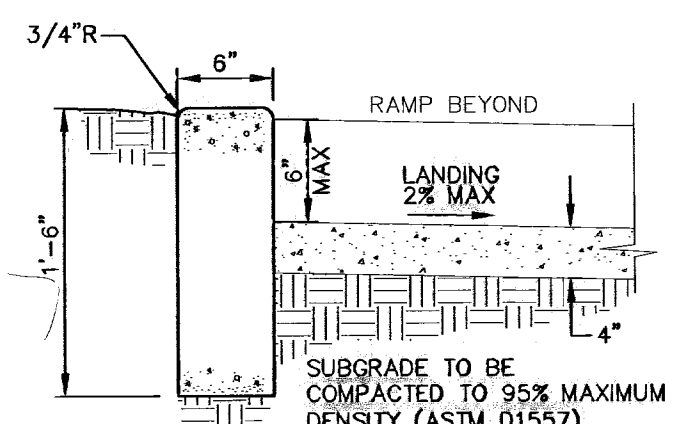
- NOTES:**
1. ALL CONCRETE USED SHALL BE 3000 PSI AT 28 DAYS.
 2. SUBGRADE UNDER DRIVEWAY SHALL BE COMPACTED TO 95% MAXIMUM DENSITY AS PER ASTM D-1557.
 3. EXPANSION JOINT FILLER 1/2" BITUMINOUS TYPE PREFORMED, AASHTO M-33.
 4. MINIMUM EDGE TO EDGE SPACING BETWEEN DRIVEWAYS = 20'-0"

TYPICAL RESIDENTIAL DRIVEWAY
SCALE: 1" = 2'-0"

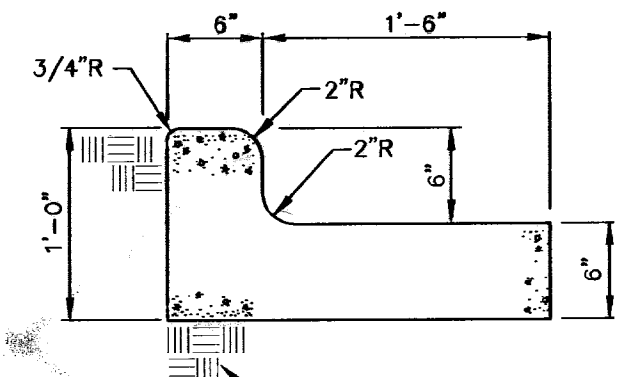


ACCESSIBLE PASSING SPACE
SCALE: 1" = 2'-0"

- NOTES:**
1. CONCRETE FOR CURBS, GUTTERS, & RETURNS SHALL BE 3000 P.S.I. MINIMUM.
 2. DUMMY JOINT REQUIRED AT 10' O.C.
 3. EXPANSION JOINTS REQUIRED AT CURB RETURNS. JOINTS TO BE PACKED WITH 1/2" PRE-MOLDED ASPHALT IMPREGNATED EXPANSION MATERIAL OR EQUAL.

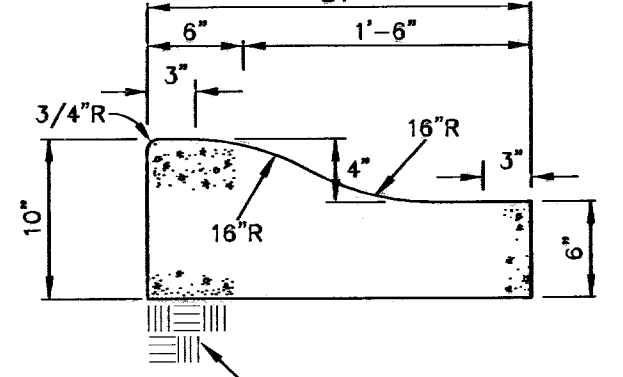


TRANSITION FROM 6" STANDARD CURB & GUTTER TO 4" ROLLED CURB
SCALE: 1" = 1'-0"

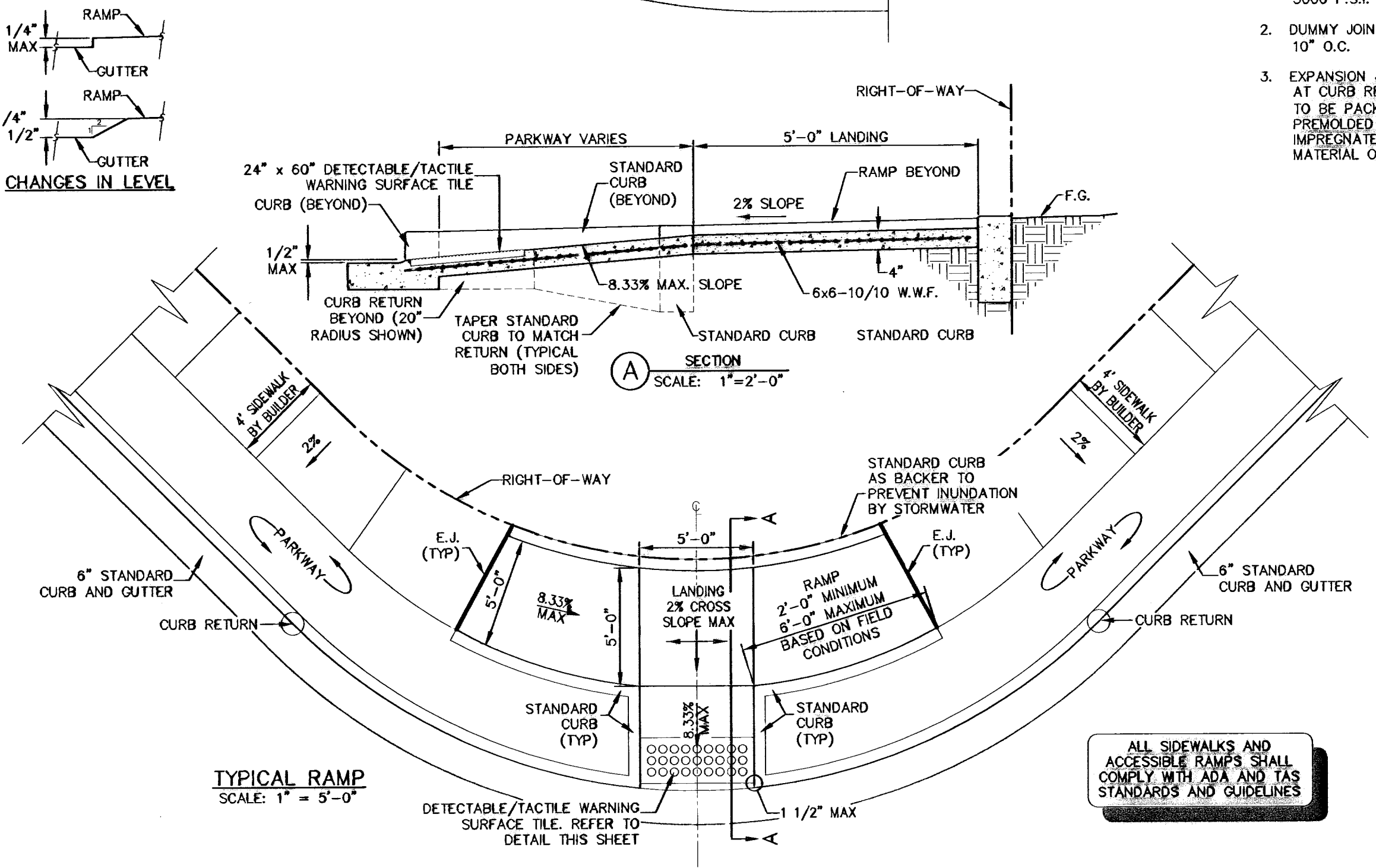


STANDARD 6" CURB & GUTTER DETAIL
SCALE: 1" = 1'-0"

- NOTES:**
1. CONCRETE FOR CURBS, GUTTERS, & RETURNS SHALL BE 3000 P.S.I. MINIMUM.
 2. DUMMY JOINT REQUIRED AT 10' O.C.
 3. EXPANSION JOINTS REQUIRED AT CURB RETURNS. JOINTS TO BE PACKED WITH 1/2" PRE-MOLDED ASPHALT IMPREGNATED EXPANSION MATERIAL OR EQUAL.



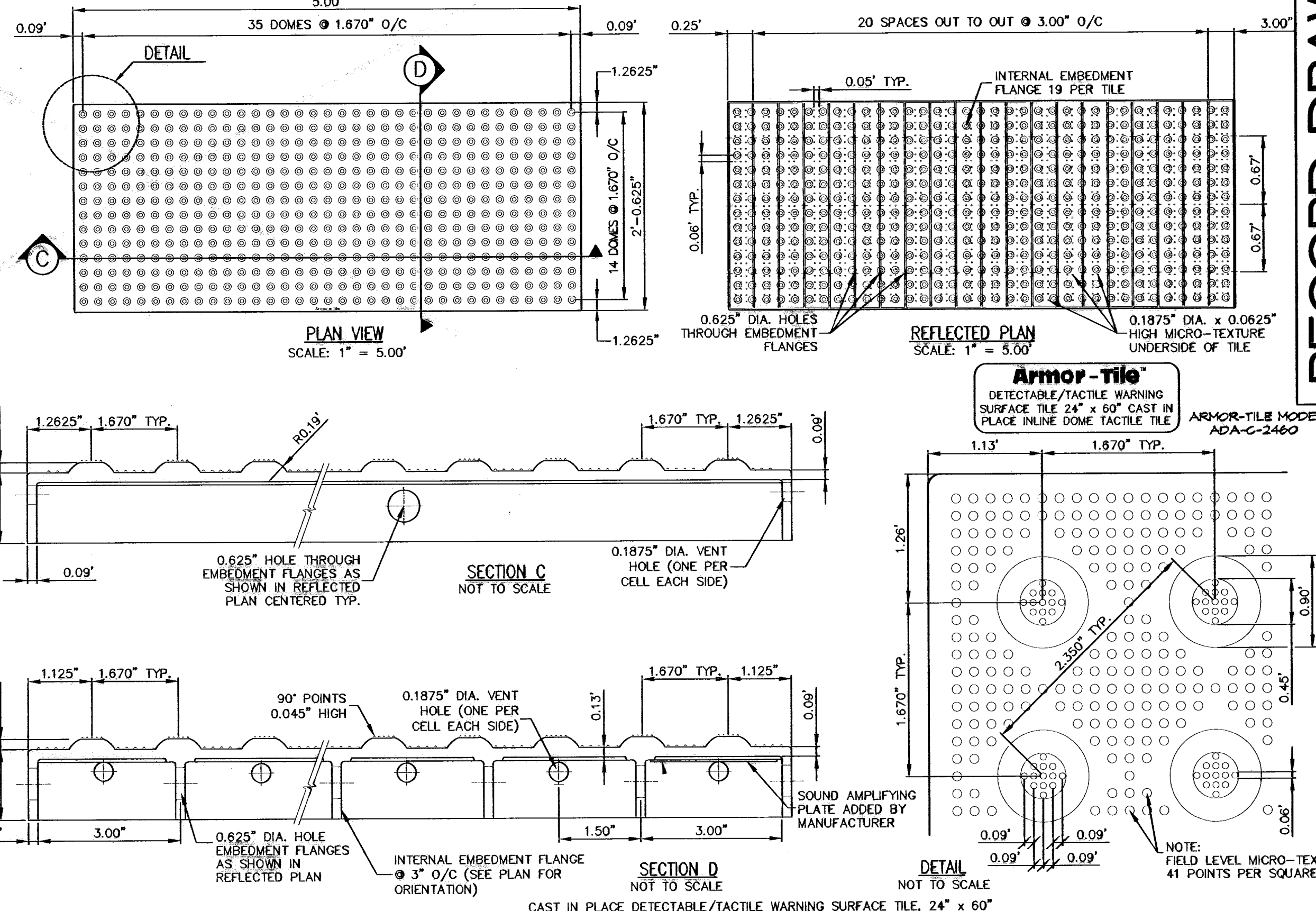
4" ROLLED CURB @ CUL-DE-SAC
SCALE: 1" = 1'-0"



ACCESSIBLE RAMP DETAILS
SCALE: 1" = 5'-0"

- CURB RAMP NOTES:**
1. ALL CONCRETE USED SHALL BE 3000 PSI AT 28 DAYS.
 2. SUBGRADE UNDER RAMP SHALL BE COMPACTED TO 95% MAXIMUM DENSITY AS PER ASTM D-1557.
 3. EXPANSION JOINTS (E.J.) REQUIRED AT CURB RETURNS. JOINTS TO BE PACKED WITH 1/2" PRE-MOLDED ASPHALT IMPREGNATED EXPANSION MATERIAL OR EQUAL.
 4. SURFACE OF RAMP AND LANDING SHALL BE A HEAVY BROOM FINISH. SURFACES SHALL NOT BE ETCHED OR GROOVED.
 5. CAST IN PLACE DETECTABLE/TACTILE WARNING SURFACE TILE, 24" x 60" REQUIRED. THERE SHALL BE A MINIMUM OF 70% CONTRAST IN LIGHT REFLECTANCE BETWEEN THE DETECTABLE WARNING AND AN ADJOINING SURFACE OR THE DETECTABLE WARNING SHALL BE "RED BROWN" COLOR UNLESS DIRECTED OTHERWISE. ARMOR-TILE ADA-C-2460 OR APPROVED EQUAL SHALL BE UTILIZED.
 6. RAMP SHALL BE PAINTED IN ACCORDANCE WITH ADA AND TAS REQUIREMENTS.

ALL ACCESSIBLE RAMPS WITHIN THE PUBLIC RIGHT-OF-WAY SHALL BE INSTALLED BY DEVELOPER



DETECTABLE/TACTILE WARNING SURFACE TILE
SCALE: AS NOTED

600824

RECORD DRAWING

WARNING! BEFORE YOU DIG CALL

EL PASO ELECTRIC COMPANY
EL PASO GAS SERVICE
EL PASO WATER UTILITIES (EPWU)
TIME WARNER CABLE COMPANY
TEXAS EXCAVATION SAFETY SYSTEM

STATE OF TEXAS
REGISTERED PROFESSIONAL ENGINEER
JOHN C. KARLSRUHER
53878

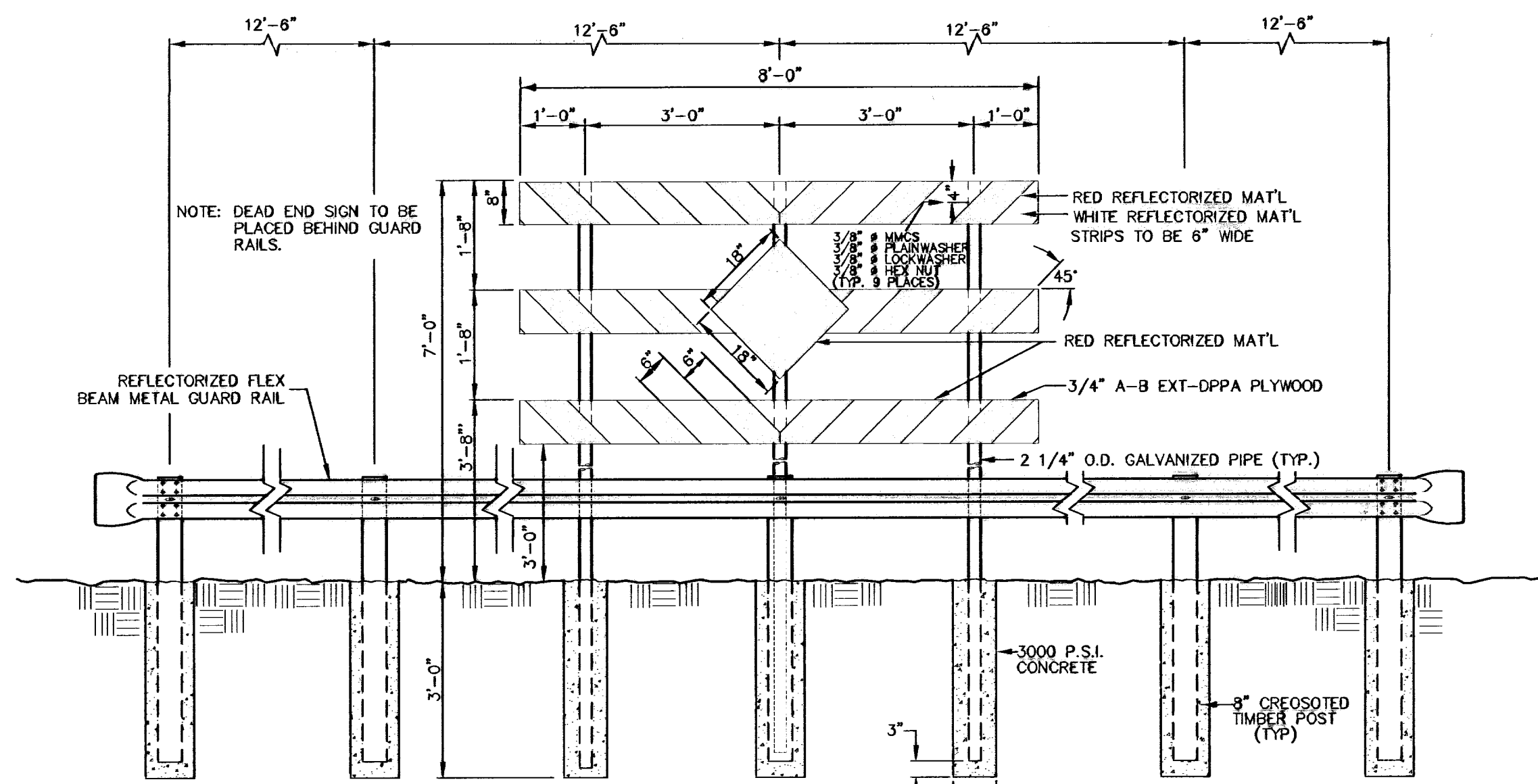
csa design group, inc.
1845 North Tustin Dr. Ste C
El Paso, Texas 79912
Tel: (915) 877-4155
Fax: (915) 877-4334
www.csaengineering.com

CIMARRON SKY SUBDIVISION

STANDARD DETAILS

COB-SH 9011
DC-COB-SH 12/10/09
SA AS NOTED
SCALE

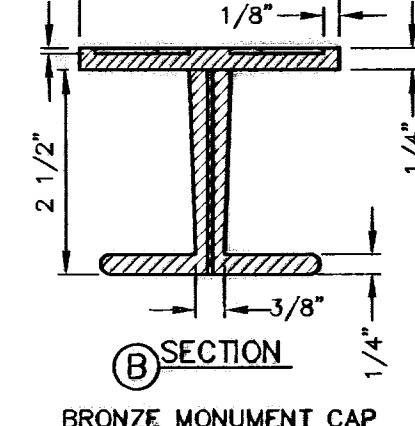
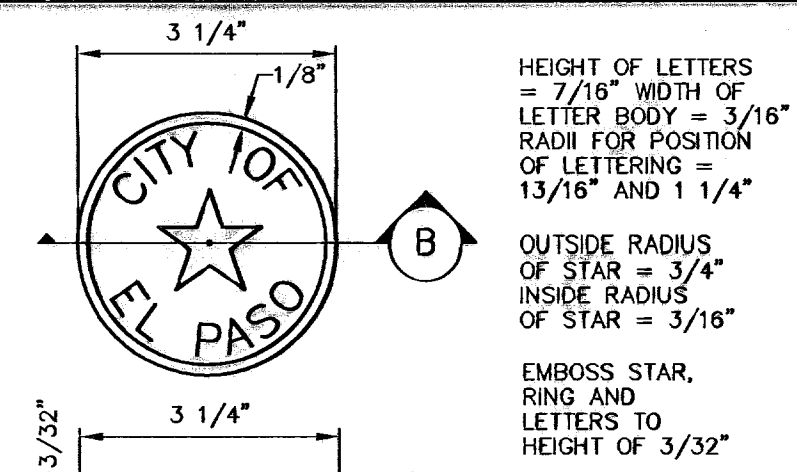
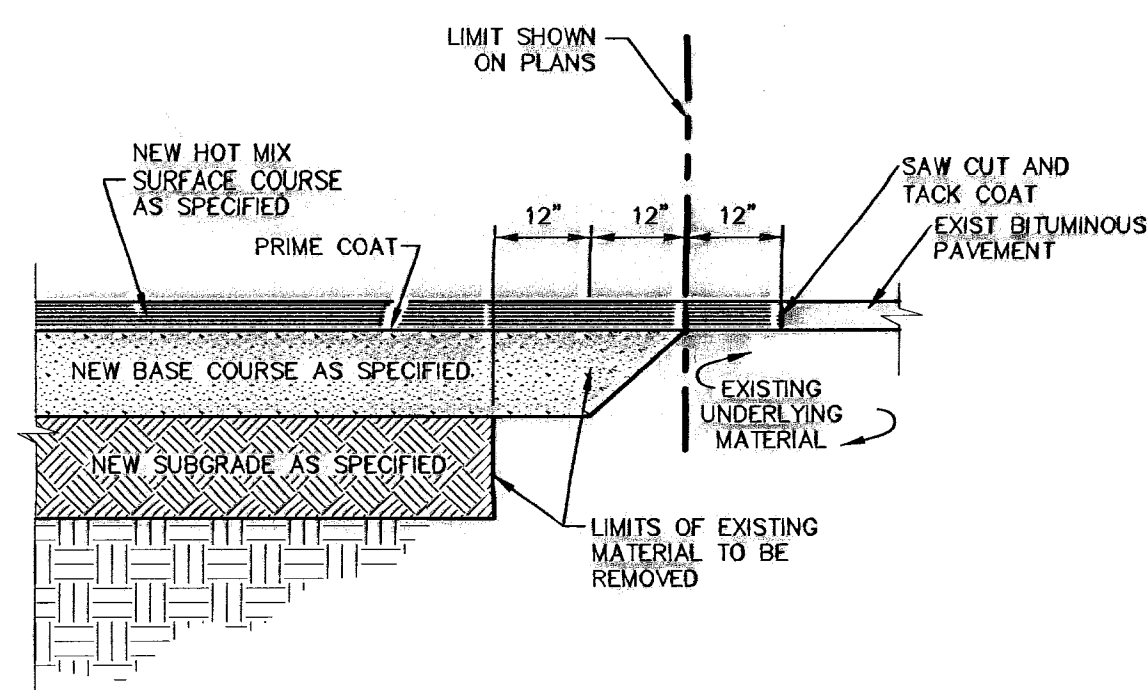
SHEET NO. 11 OF 33



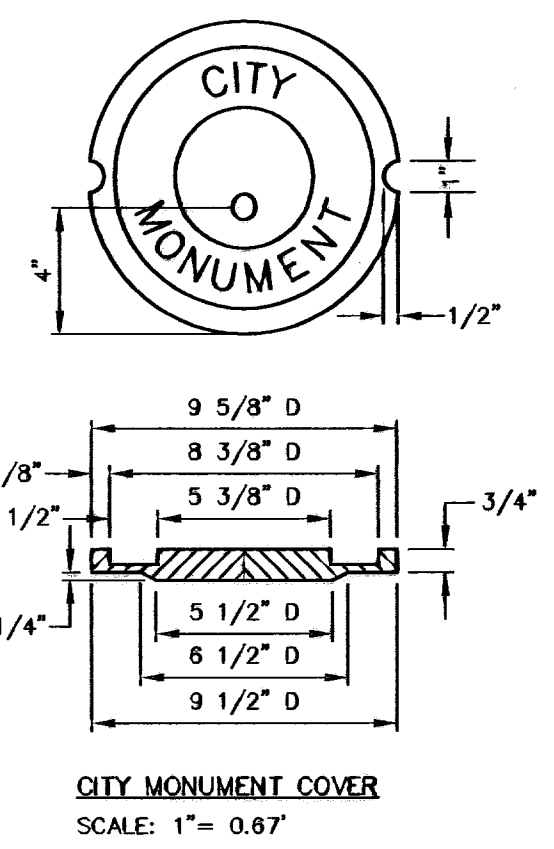
GUARD POSTS WITH RAIL AND DEAD END SIGN
SCALE: 1"=2'-0"

JUNCTURE OF NEW FLEXIBLE AND EXISTING FLEXIBLE PAVEMENT

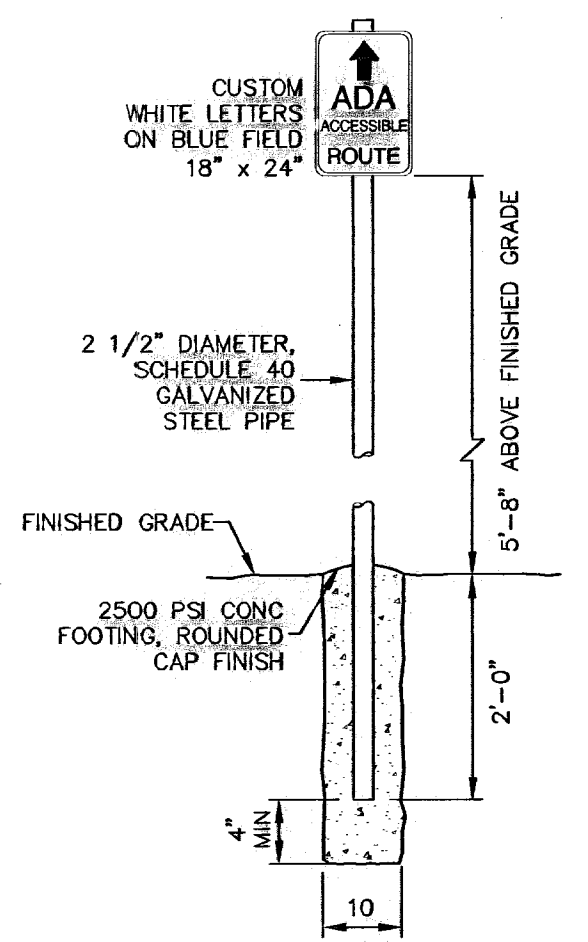
SCALE: 1"=2'-0"



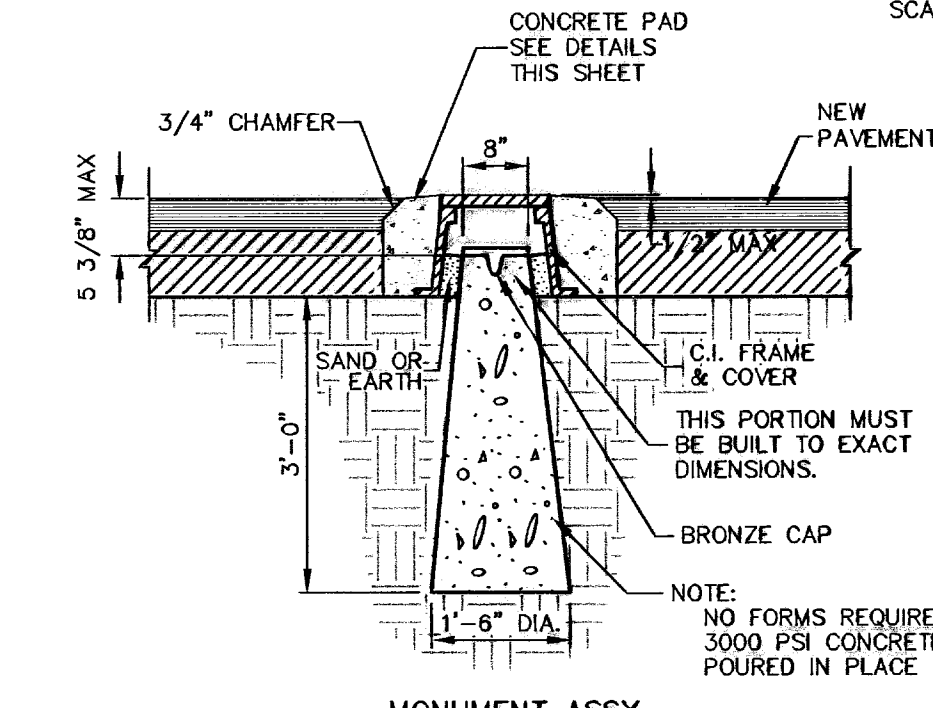
PLAN VIEW CONCRETE PAD
SCALE: 1"=2'-0"



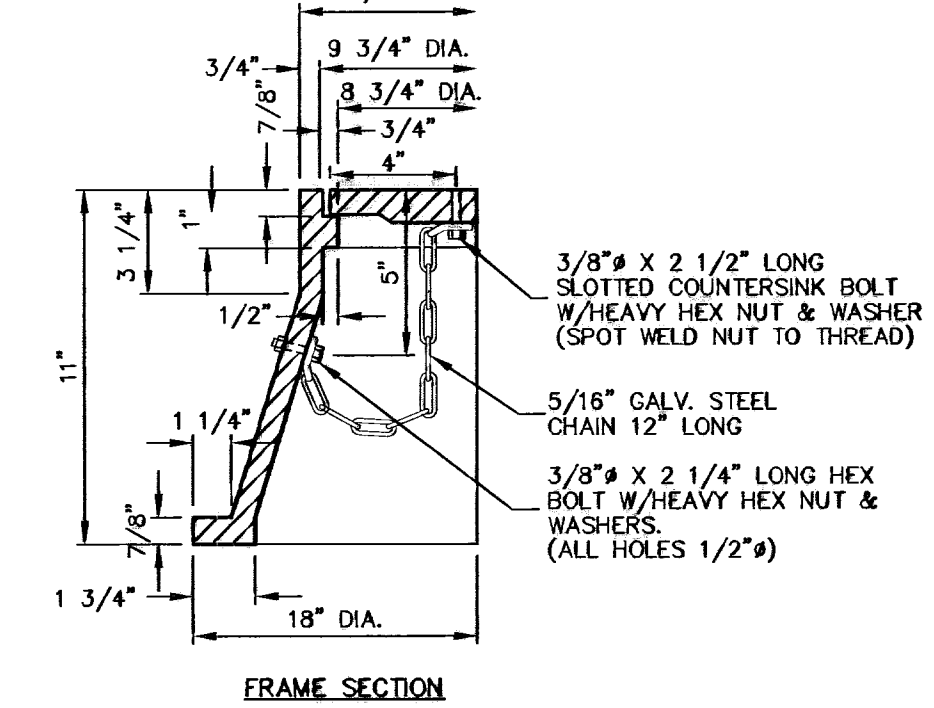
CITY MONUMENT COVER
SCALE: 1"=0.67"



ACCESSIBLE ROUTE SIGN
SCALE: 1/2"=1'-0"



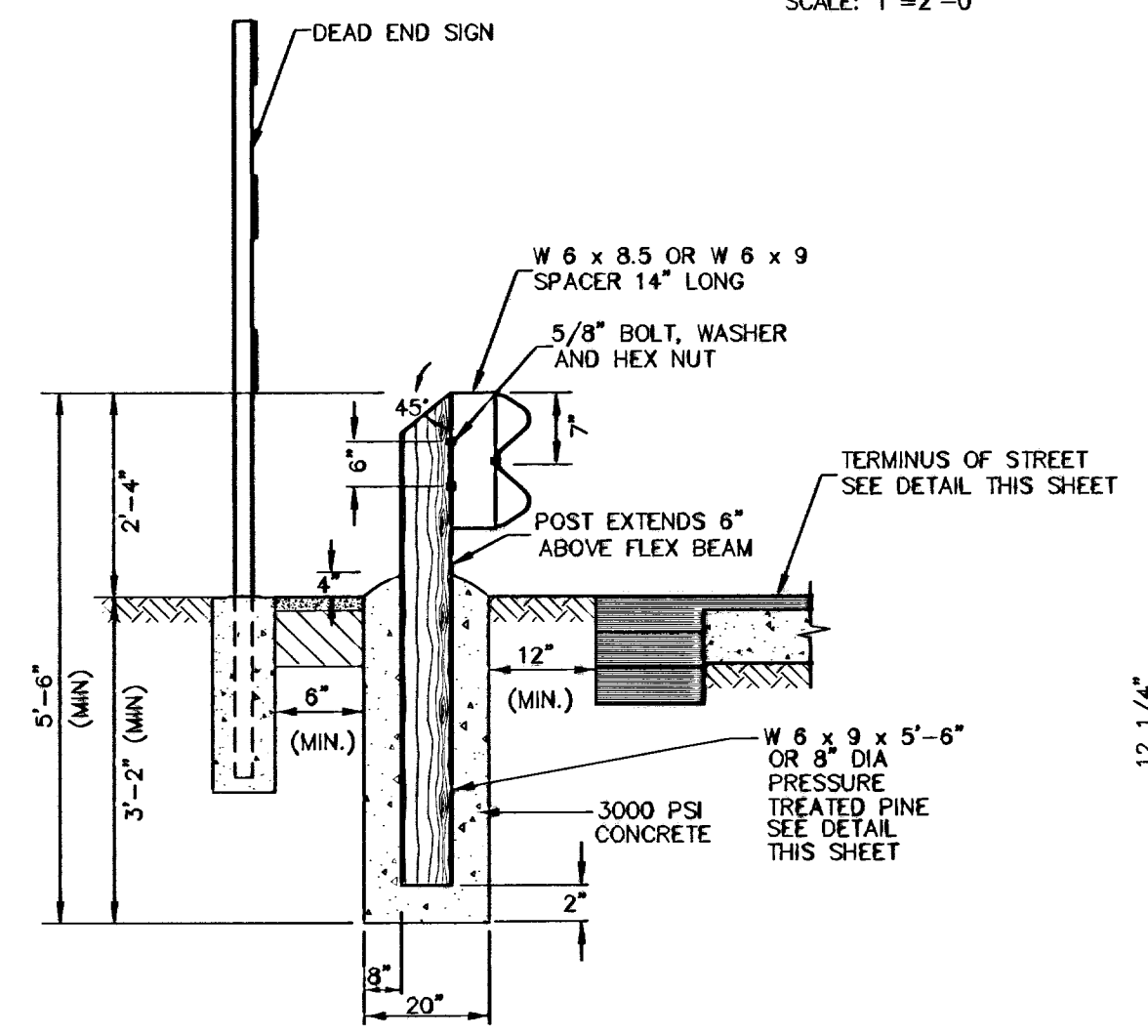
MONUMENT ASSY
SCALE: 1"=2'-0"



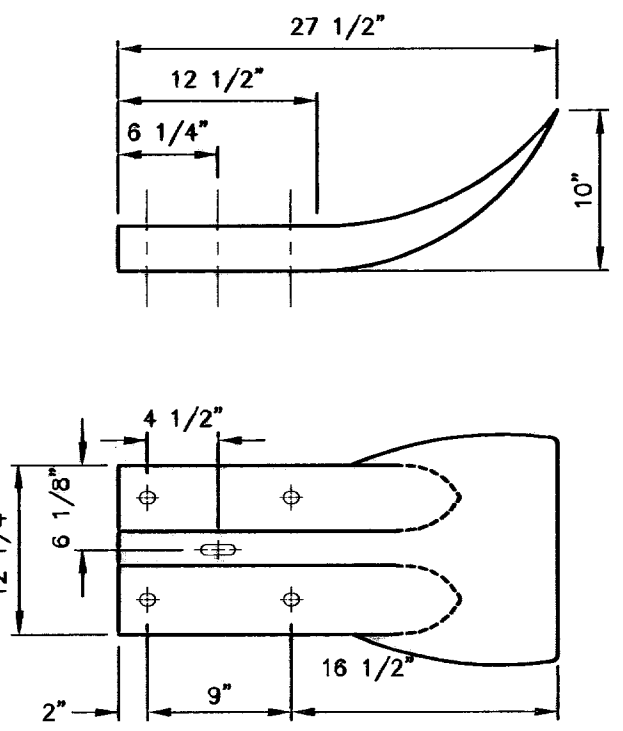
FRAME SECTION
SCALE: 1"=0.50"

CITY MONUMENT DETAIL

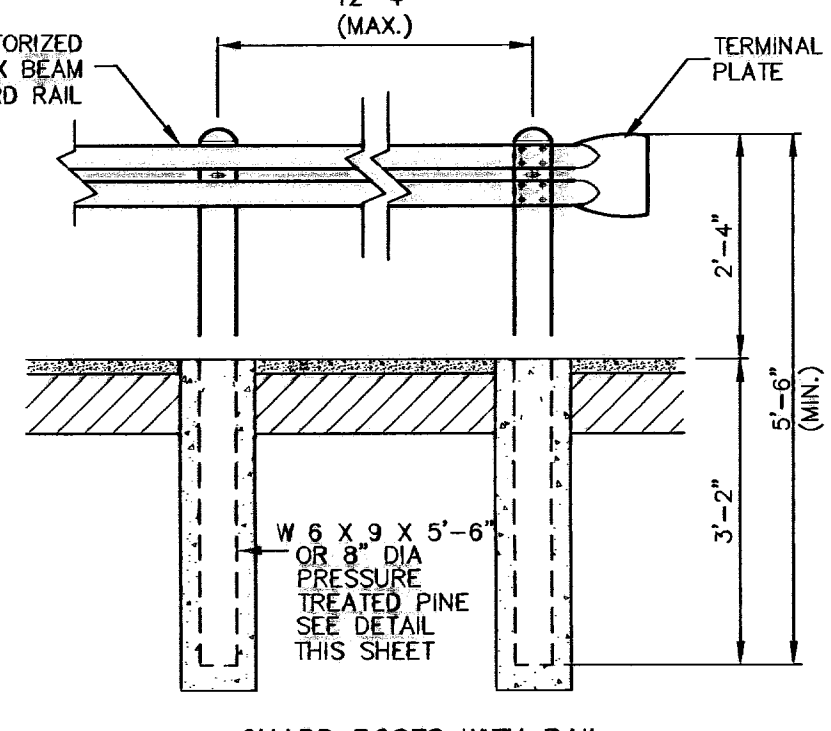
SCALE: AS NOTED



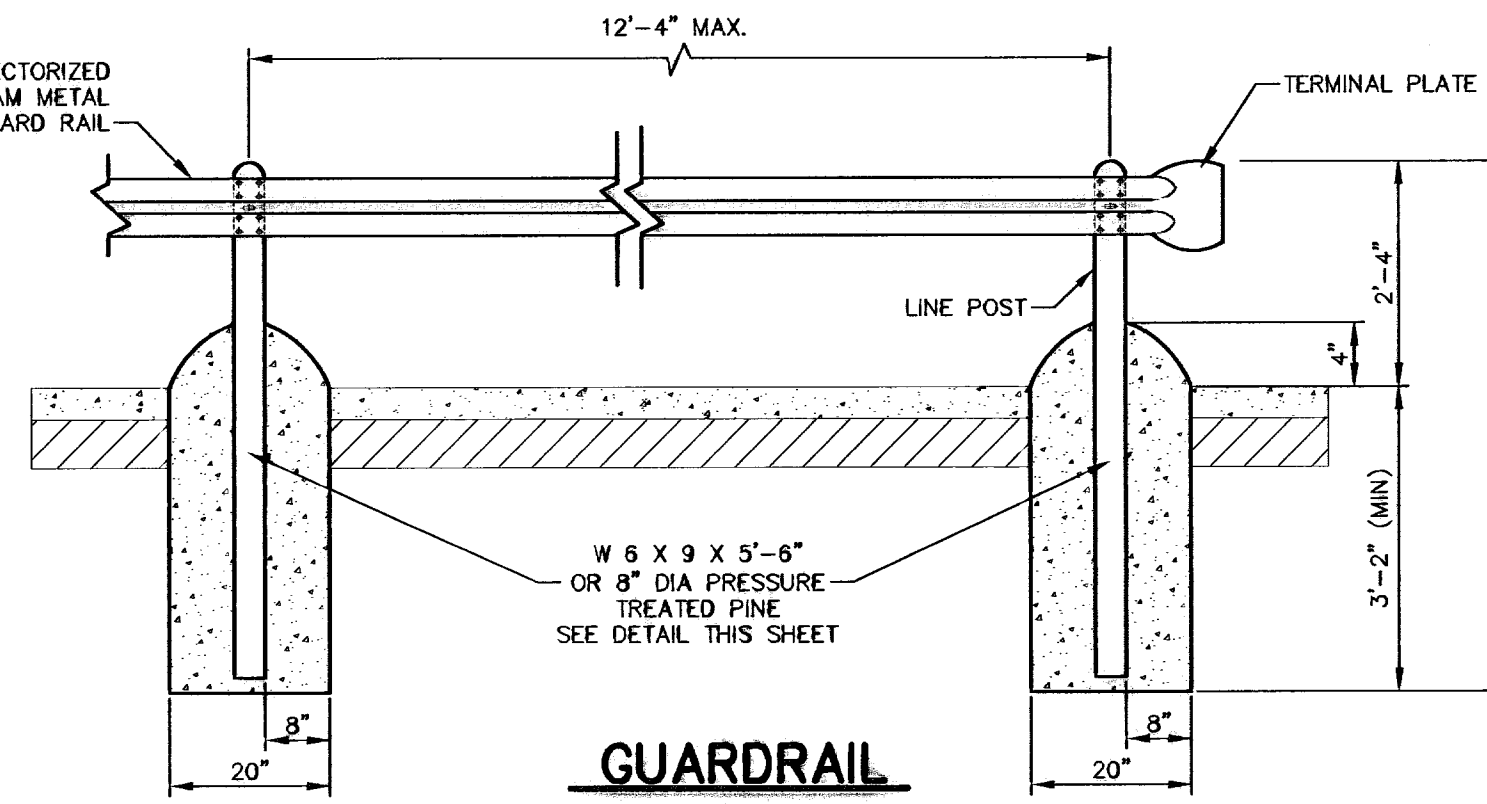
SECTION



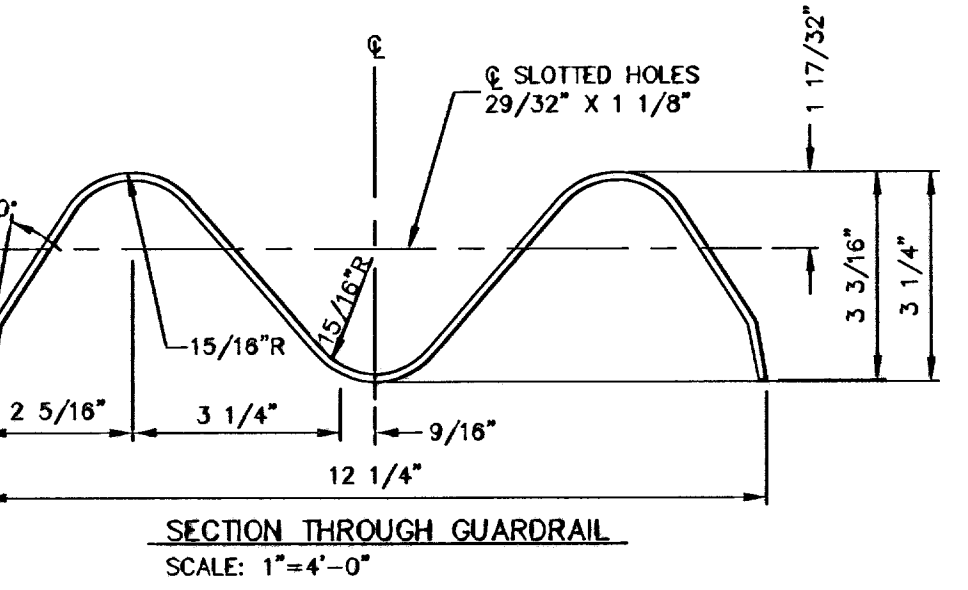
END SECTION
SCALE: 1"=1'-0"



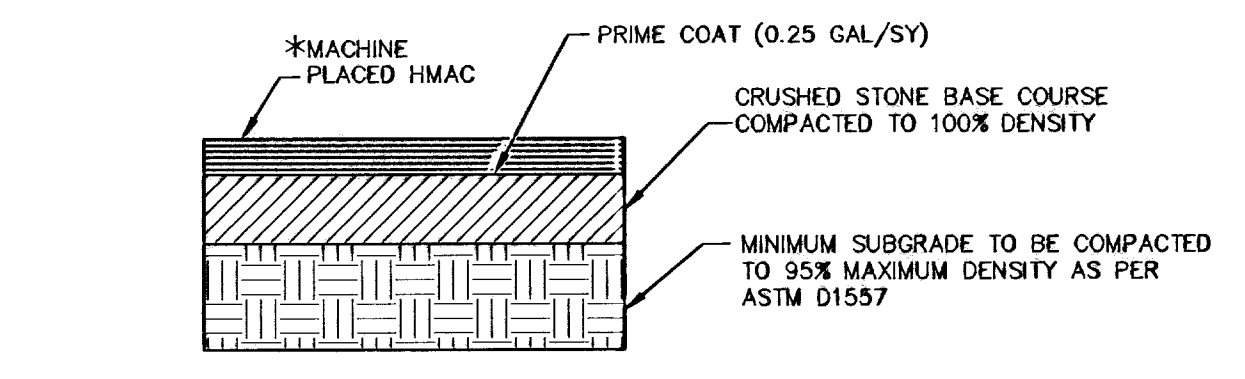
GUARD POSTS WITH RAIL
SCALE: 1"=2'-0"



GUARDRAIL
SCALE: 1"=2'-0"



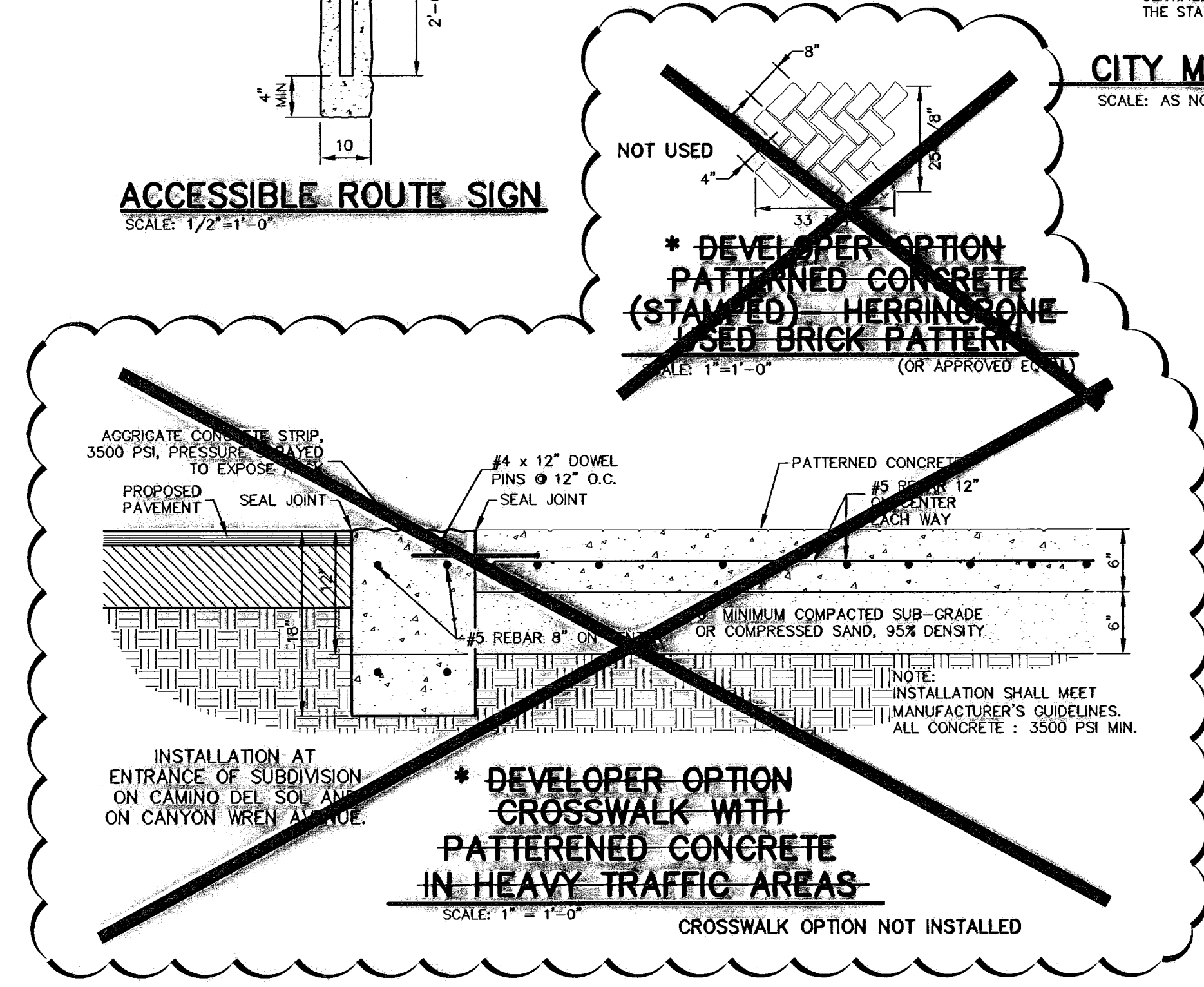
SECTION THROUGH GUARDRAIL
SCALE: 1"=4'-0"



TYPICAL HMAc PAVEMENT SECTION
N.T.S.

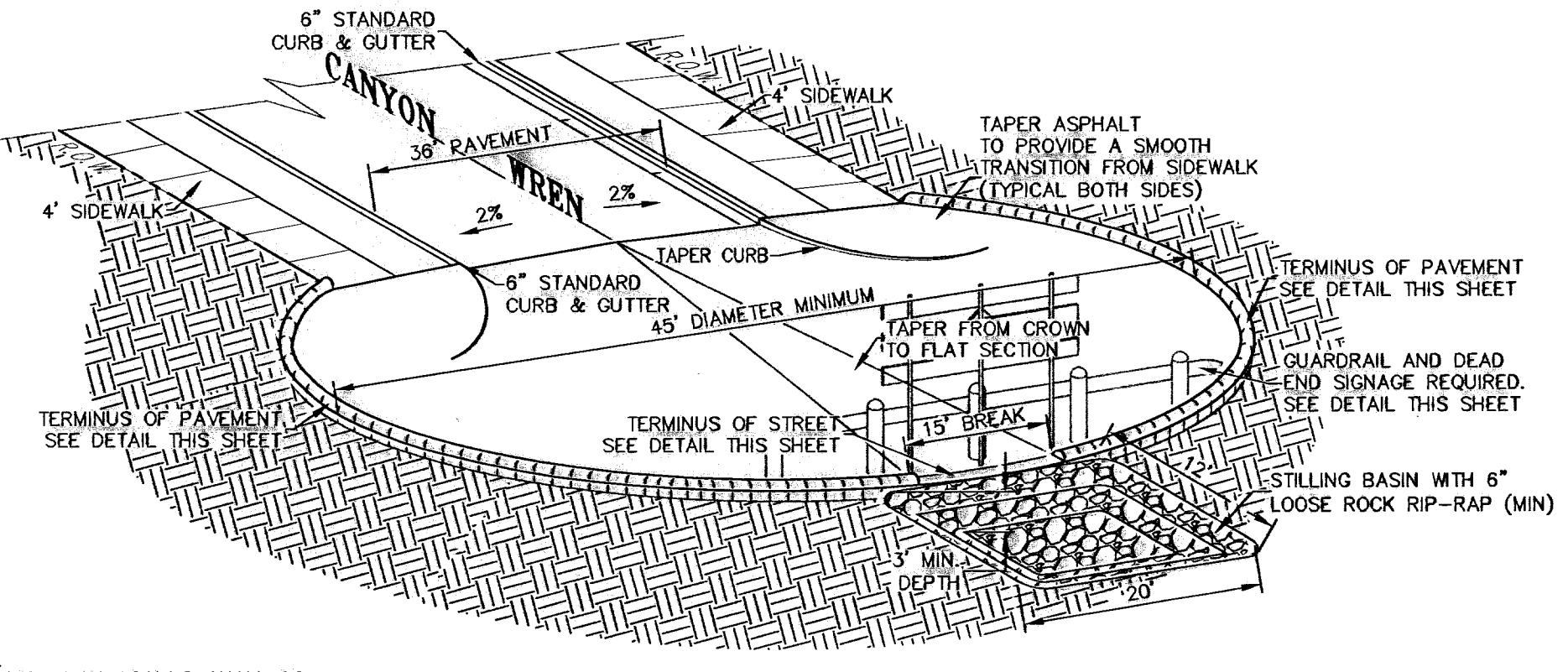
GENERAL H.M.A.C. PAVING NOTES:

- FOR RECOMMENDATIONS REFER TO THE GEOTECHNICAL INVESTIGATION REPORT BY COC (CONSTRUCTION QUALITY CONTROL, TESTING AND ENGINEERING) PROJECT NO. AG00003-007-045, DATED NOVEMBER 28, 2007.
- BASE COURSE SHALL MEET THE REQUIREMENTS FOR TYPE "A", GRADE 1 OR 2 MATERIAL ACCORDING TO ITEM 247, FLEXIBLE BASE, AS DESCRIBED IN THE TEXAS DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR CONSTRUCTION OF HIGHWAYS, STREETS, AND BRIDGES. ALL THE REQUIREMENTS OF THIS DOCUMENT SHALL BE MET, EXCEPT WHERE DENSITY IS SPECIFIED. THE DENSITY SHALL BE NOT LESS THAN 100% OF ASTM D1557.
- THE SURFACE COURSE SHALL MEET THE REQUIREMENTS FOR (HMAc), TPOPT TYPE "C" AS SPECIFIED IN ITEM 340 HMAc (HOT MIX ASPHALTIC CONCRETE PAVEMENT), AS DESCRIBED IN THE TEXAS DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR CONSTRUCTION OF HIGHWAYS, STREETS, AND BRIDGES. STABILITY SHALL BE NOT LESS THAN 1500 POUNDS, WHEN COMPACTED AT 75 BLOWS. FURTHERMORE, THE MIX SHALL HAVE A FLOW BETWEEN 0.08" AND 0.16", ACCORDING TO THE MARSHALL STABILITY ANALYSIS.
- SUBGRADE TO BE COMPACTED IN 8" LIFTS TO 95% MAXIMUM DENSITY AS PER ASTM D1557.
- FINAL PAVEMENT DESIGN TO BE DETERMINED BASED UPON FINAL CBR TEST RESULTS (REFER TO APPLICABLE SUBDIVISION ORDINANCE-PAVEMENT THICKNESS DESIGN PROCEDURE).
- IF THE THICKNESS FOR "CBR" VALUES ARE HIGHER THAN MINIMUM PAVEMENT THICKNESS, THE HIGHER VALUE SHALL BE USED.

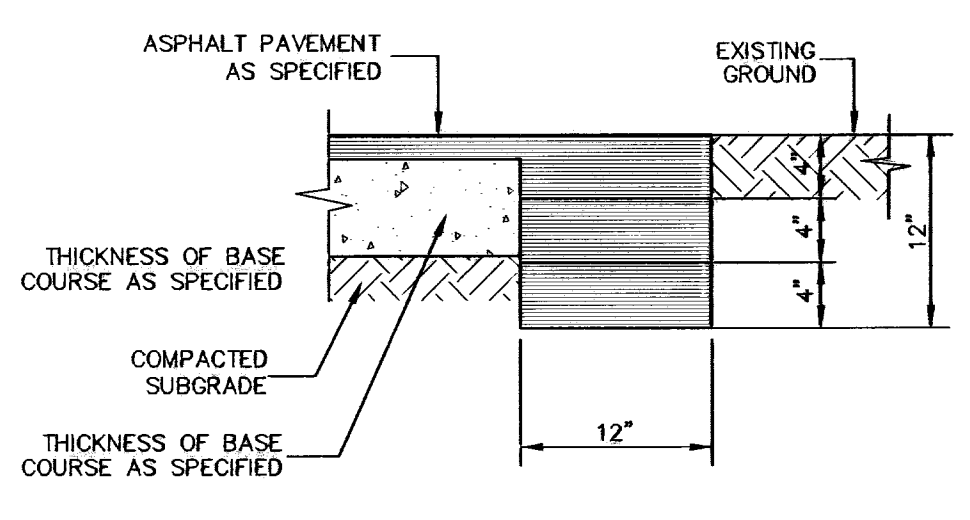


*** DEVELOPER OPTION CROSSWALK WITH PATTERNED CONCRETE IN HEAVY TRAFFIC AREAS**

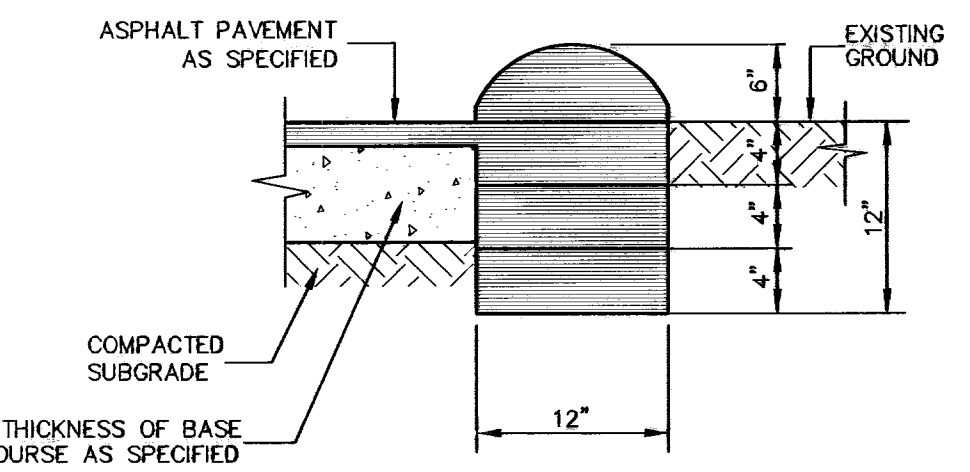
SCALE: 1"=1'-0" CROSSWALK OPTION NOT INSTALLED



TEMPORARY TURN AROUND
SCALE: 1"=12'-0"



TERMINUS OF STREET
SCALE 1"=1'-0"



TERMINUS OF PAVEMENT AT TEMPORARY TURN AROUND
SCALE 1"=1'-0"

NO.	DATE	DESCRIPTION	BY
1	01-26-10	1st City Submittal	JCK
2	02-02-10	2nd City Submittal	JCK
3	02-12-10	FINAL SUBMITTAL	JCK
4	02-26-10	Revisions to rock wall detail	JCK
5	03-07-10	Small Contract, Blk 2, Lot 1-5	JCK
6	04-14-10	Revision to Channel, Loose Rock Rip-Rap	JCK
7	05-12-11	RECORD DRAWINGS	JCK

WARNING!
BEFORE YOU DIG
CONTRACTOR SHALL FIELD LOCATE ALL EXISTING UNDERGROUND UTILITIES IN AND IMPROVEMENTS IN THE PROJECT AREA

CALL BEFORE YOU DIG - CALL
448-5720
1-800-DIG-TESS
545-5001
545-5002
545-5003
545-5004
545-5005
545-5006
545-5007
545-5008
545-5009
545-5010

RECORD DRAWINGS PREPARED BY CSA DESIGN GROUP, INC. FOR CONSTRUCTION DETAILS. THESE DRAWINGS SHALL BE USED ONLY FOR THE PROJECT AND SHALL NOT BE REPRODUCED OR COPIED FOR ANY OTHER PROJECT WITHOUT THE WRITTEN PERMISSION OF CSA DESIGN GROUP, INC. THE ACCURACY OF THE INFORMATION PROVIDED BY SURVEYORS AND OTHER INFORMATION PROVIDED BY OTHERS AND CONTAINED WITHIN IS NOT WARRANTED BY THE CONSULTANT OR ITS ENGINEERS.

RECORD DRAWING

John C. Karlsruher
Professional Engineer
No. 3378
State of Texas

csa design group, inc.
Texas Registered Engineering Firm - E-0477
1845 Northwestam Dr. Ste C
El Paso, Texas 79912
Tel (915) 877-4155
Fax (915) 877-4134
www.csaengineers.com

CIMARRON SKY SUBDIVISION

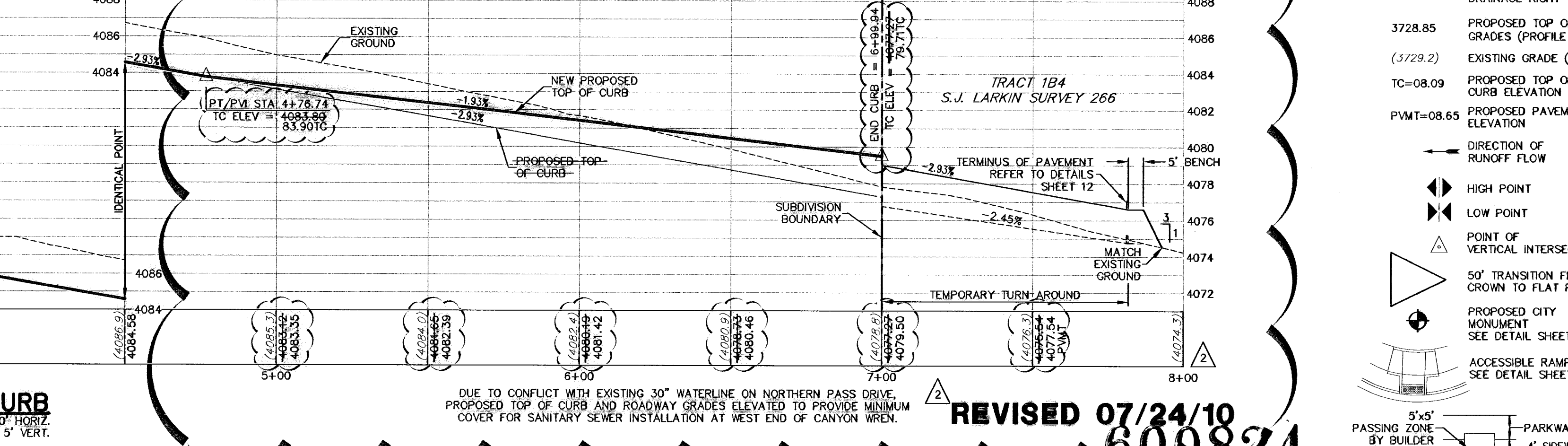
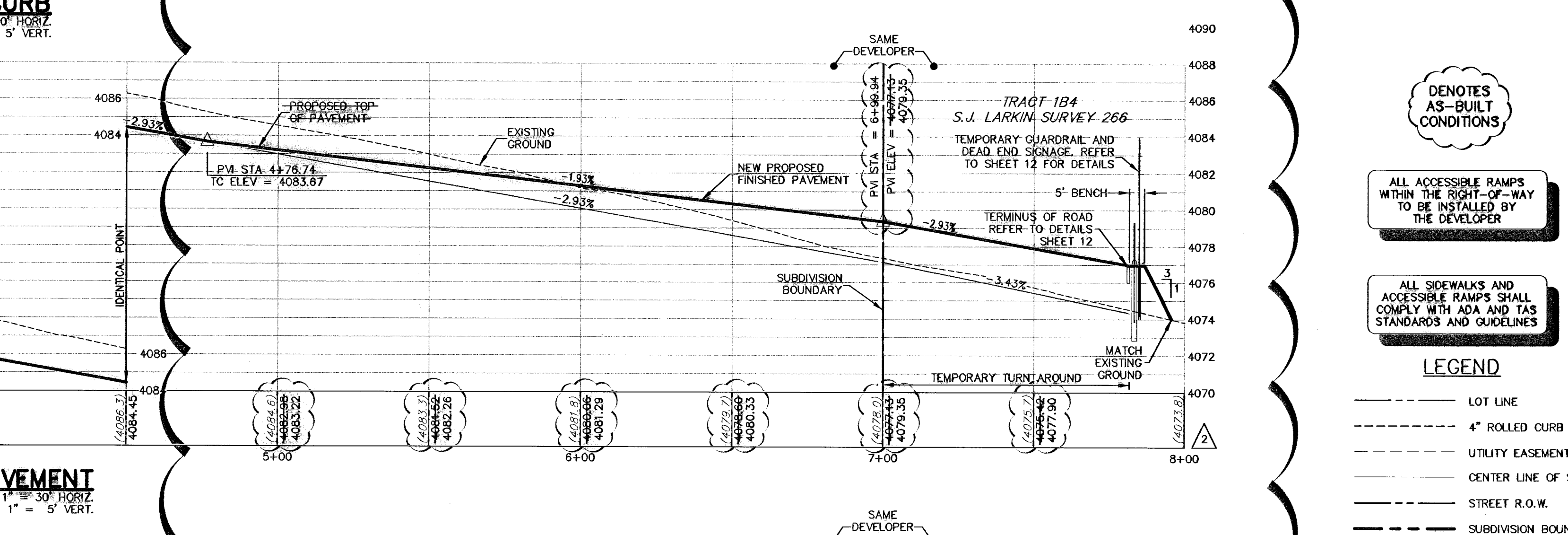
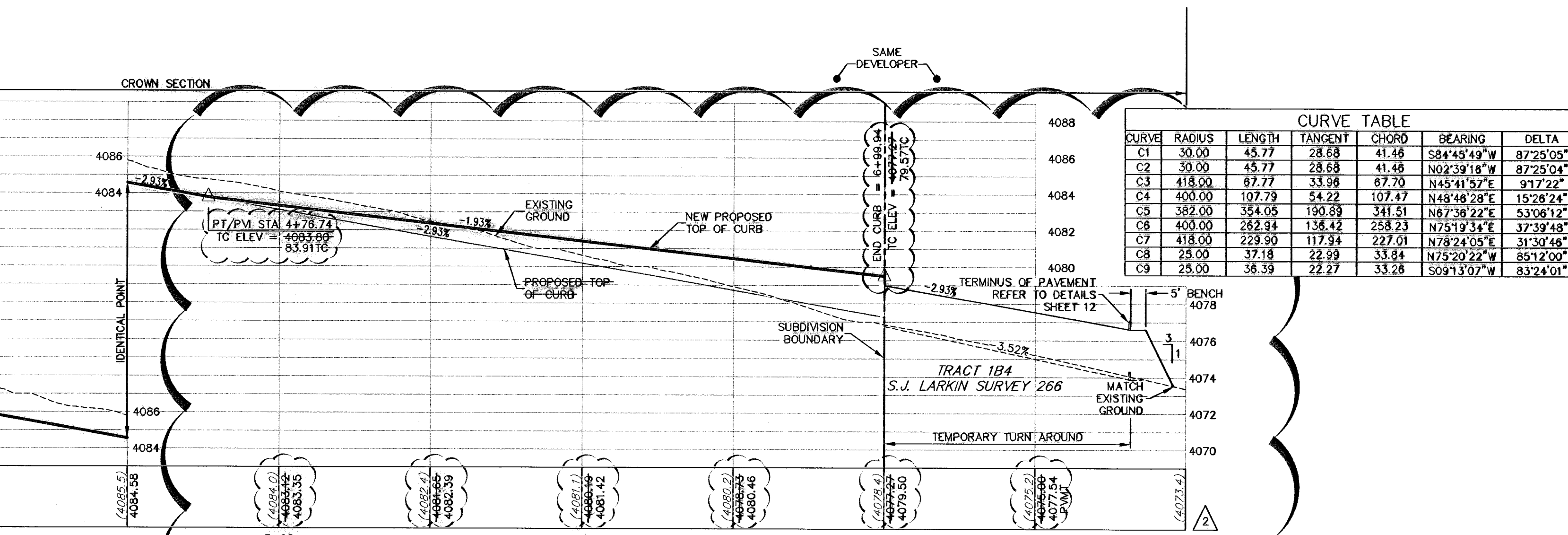
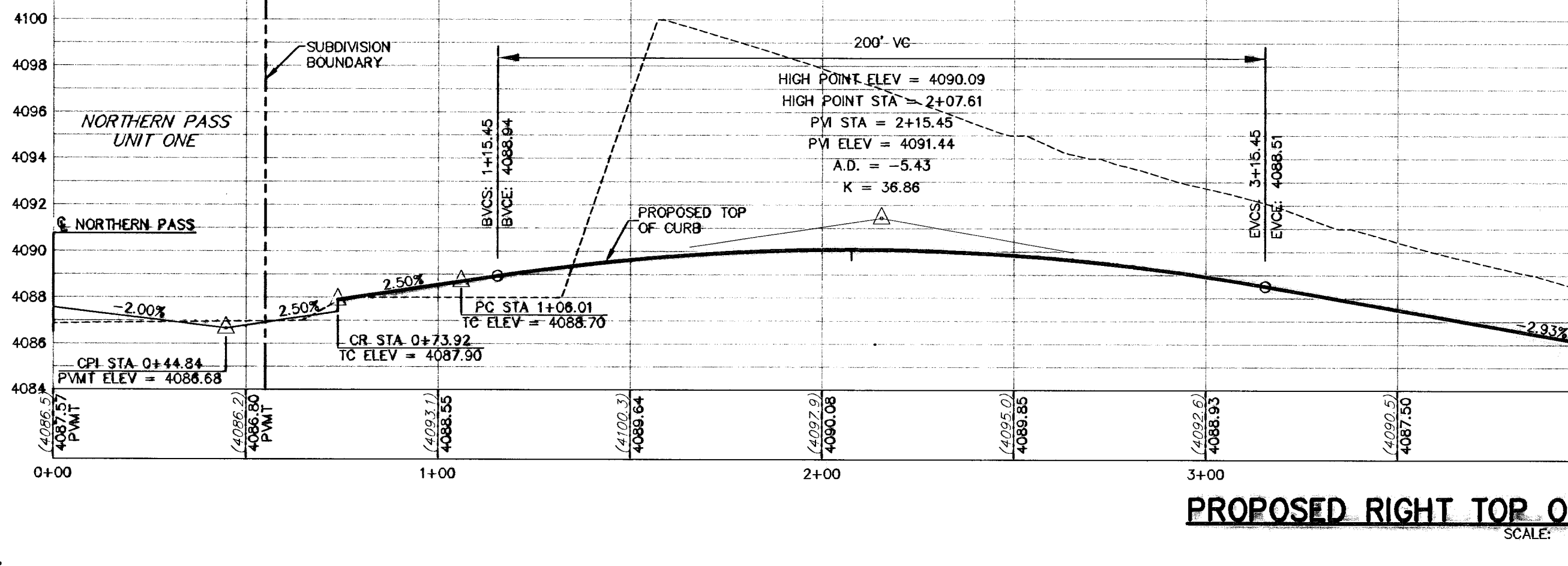
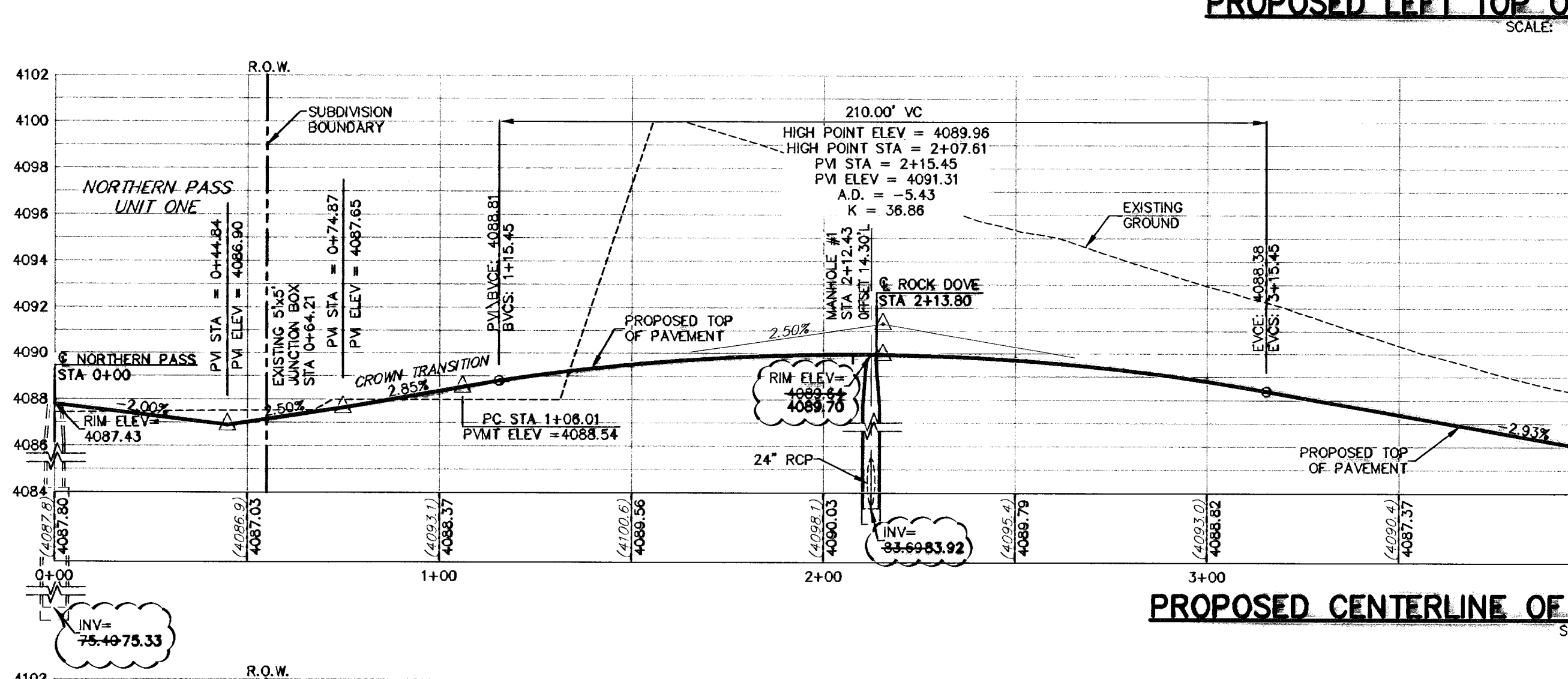
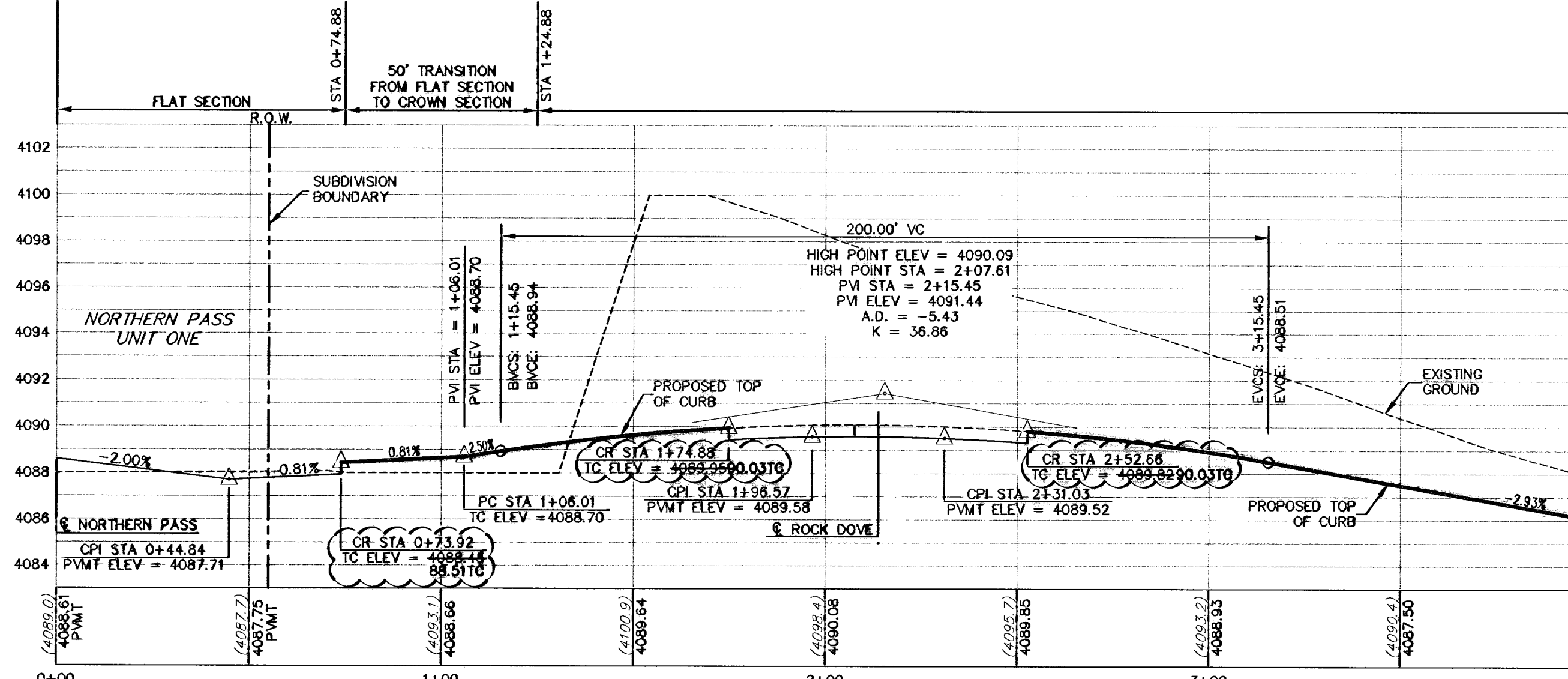
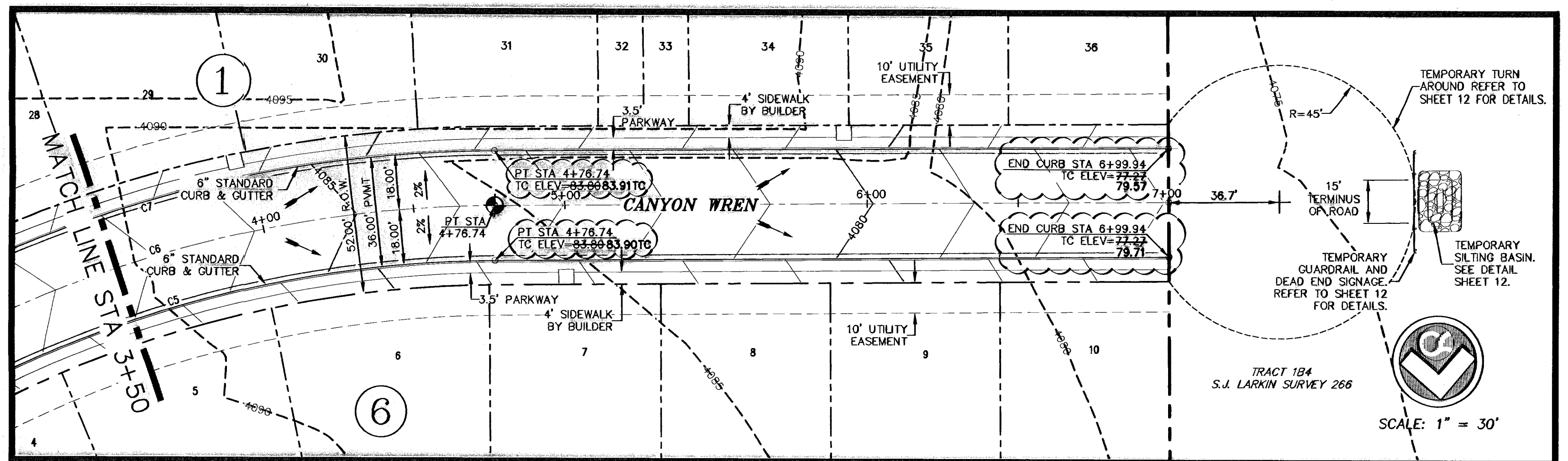
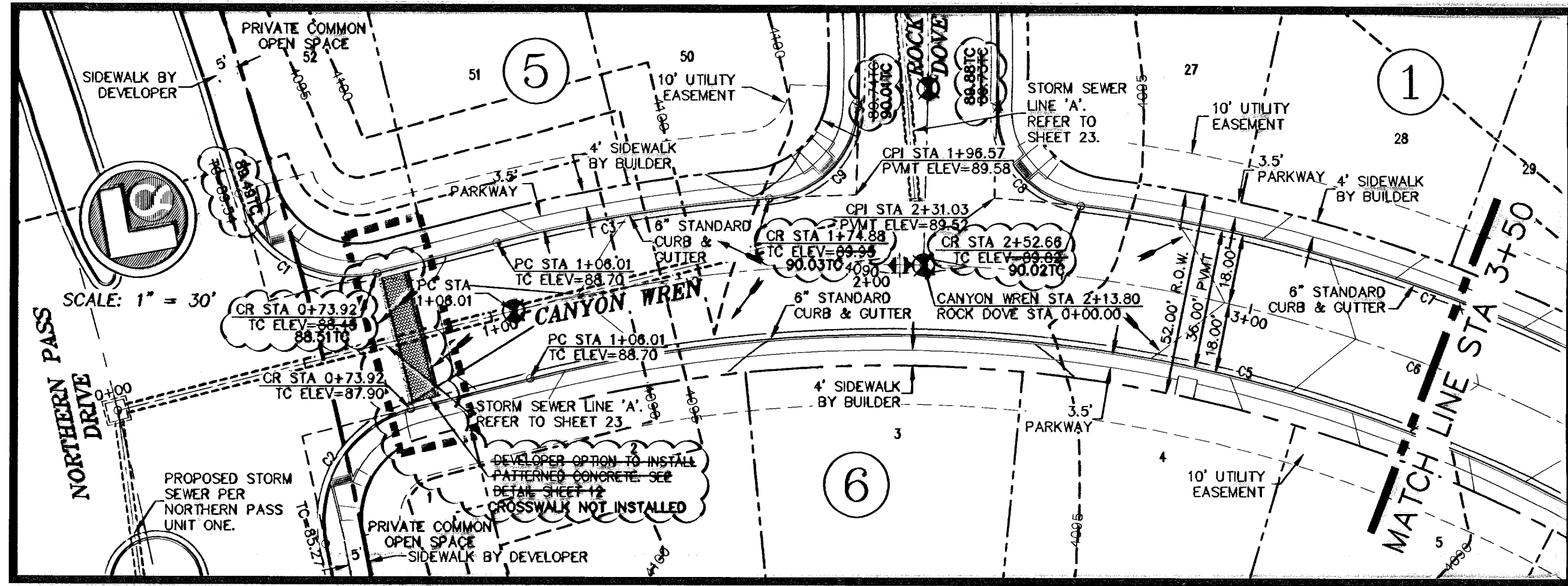
STANDARD DETAILS

DATE	BY
12/10/09	SA
AS NOTED	SCALE

600824

12

33



CURVE TABLE

CURVE	RADIUS	LENGTH	TANGENT	CHORD	BEARING	DELTA
C1	30.00	45.77	28.68	41.46	S84°45'49"W	87°25'05"
C2	30.00	45.77	28.68	41.46	N02°39'18"W	87°25'04"
C3	418.00	87.77	33.96	87.70	N49°41'52"E	91°17'22"
C4	400.00	107.79	54.22	107.47	N48°48'20"E	152°28'24"
C5	382.00	354.05	190.89	341.51	N87°38'22"E	53°06'12"
C6	400.00	282.34	138.42	258.23	N75°19'34"E	37°39'48"
C7	418.00	229.90	117.94	227.01	N78°24'05"E	31°30'46"
C8	25.00	37.18	22.99	33.84	N75°20'22"W	85°12'00"
C9	25.00	36.39	22.27	33.28	S09°13'07"W	83°24'01"

- LEGEND**
- LOT LINE
 - 4" ROLLED CURB
 - UTILITY EASEMENT
 - CENTER LINE OF STREET
 - STREET R.O.W.
 - SUBDIVISION BOUNDARY LINE
 - DRAINAGE RIGHT-OF-WAY
 - 3728.85 PROPOSED TOP OF FINISHED GRADES (PROFILE VIEW)
 - (5729.2) EXISTING GRADE (PROFILE)
 - TC=08.09 PROPOSED TOP OF CURB ELEVATION
 - PWMT=08.65 PROPOSED PAVEMENT ELEVATION
 - DIRECTION OF RUNOFF FLOW
 - HIGH POINT
 - LOW POINT
 - POINT OF VERTICAL INTERSECTION
 - 50' TRANSITION FROM CROWN TO FLAT PWMT
 - PROPOSED CITY MONUMENT AT THE CENTERLINE INTERSECTION OF CANYON WREN AND REDD ROAD ELEV. = 4805.00 (EL PASO CITY DATA)
 - ACCESSIBLE RAMP SEE DETAIL SHEET 11
 - 5'x5' PASSING ZONE BY BUILDER
 - PARKWAY BY BUILDER
 - R.O.W. SEE DETAIL SHEET 11

RECORD DRAWING

WARNING! BEFORE YOU DIG CALL

CONTRACTOR SHALL FIELD LOCATE ALL EXISTING UNDERGROUND UTILITIES AND IMPROVEMENTS IN THE PROJECT AREA

BEFORE YOU DIG - CALL

EL PASO ELECTRIC COMPANY
AT&T
TELECOM SERVICES
EL PASO WATER UTILITIES (PEU)
TIME WARNER (CABLE) COMPANY
TEXAS EXCAVATION SAFETY SYSTEM

RECORD DRAWING

LEGEND

REVISIONS

NO.	DATE	DESCRIPTION
1	05-12-17	RECORD DRAWINGS
2	06-14-10	Revision to Channel, Loose Rock Rip-out
3	05-22-10	Small Directed Box 2, Gate 1-5
4	05-22-10	FINAL SUBMITTAL
5	01-28-10	2nd CITY SUBMITTAL
6	12-10-09	1st CITY SUBMITTAL

BY

DESIGNER

CHECKED BY

DATE

SCALE

SHEET NO.

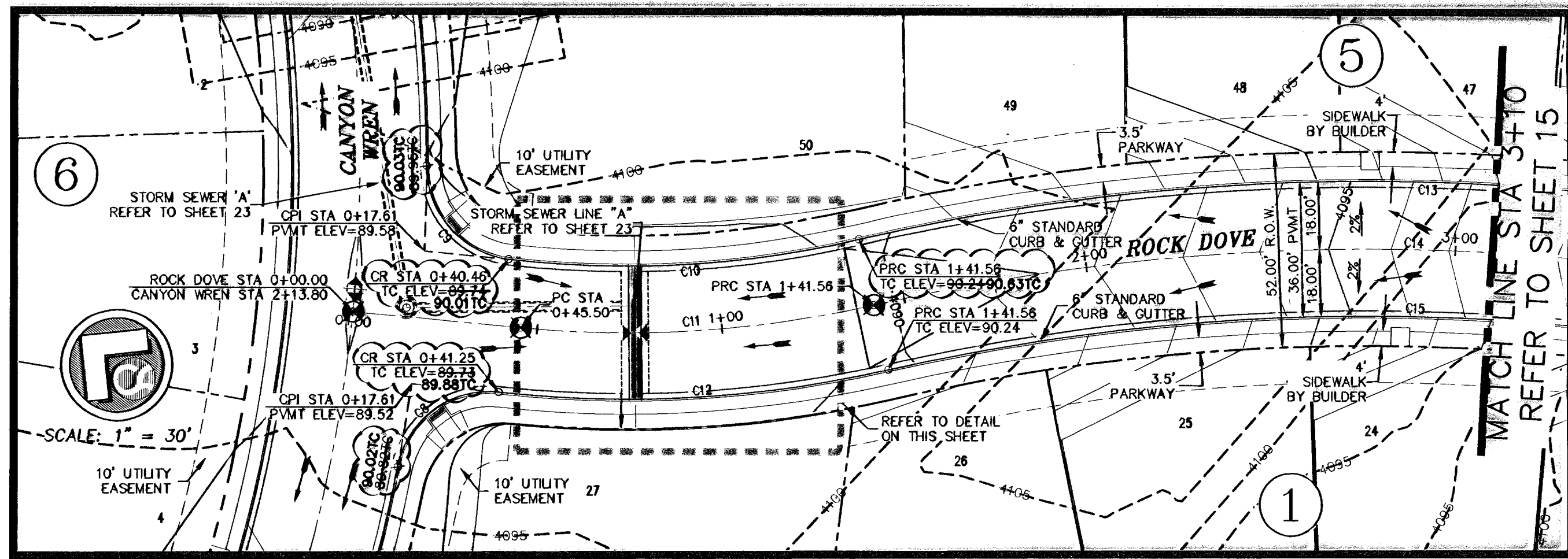
13

33

May 11, 2011, 4:28pm
S:\Draw\0011 Canyon Wren\Draw\0011 Canyon Wren.dwg

REVISED 07/24/10
600824

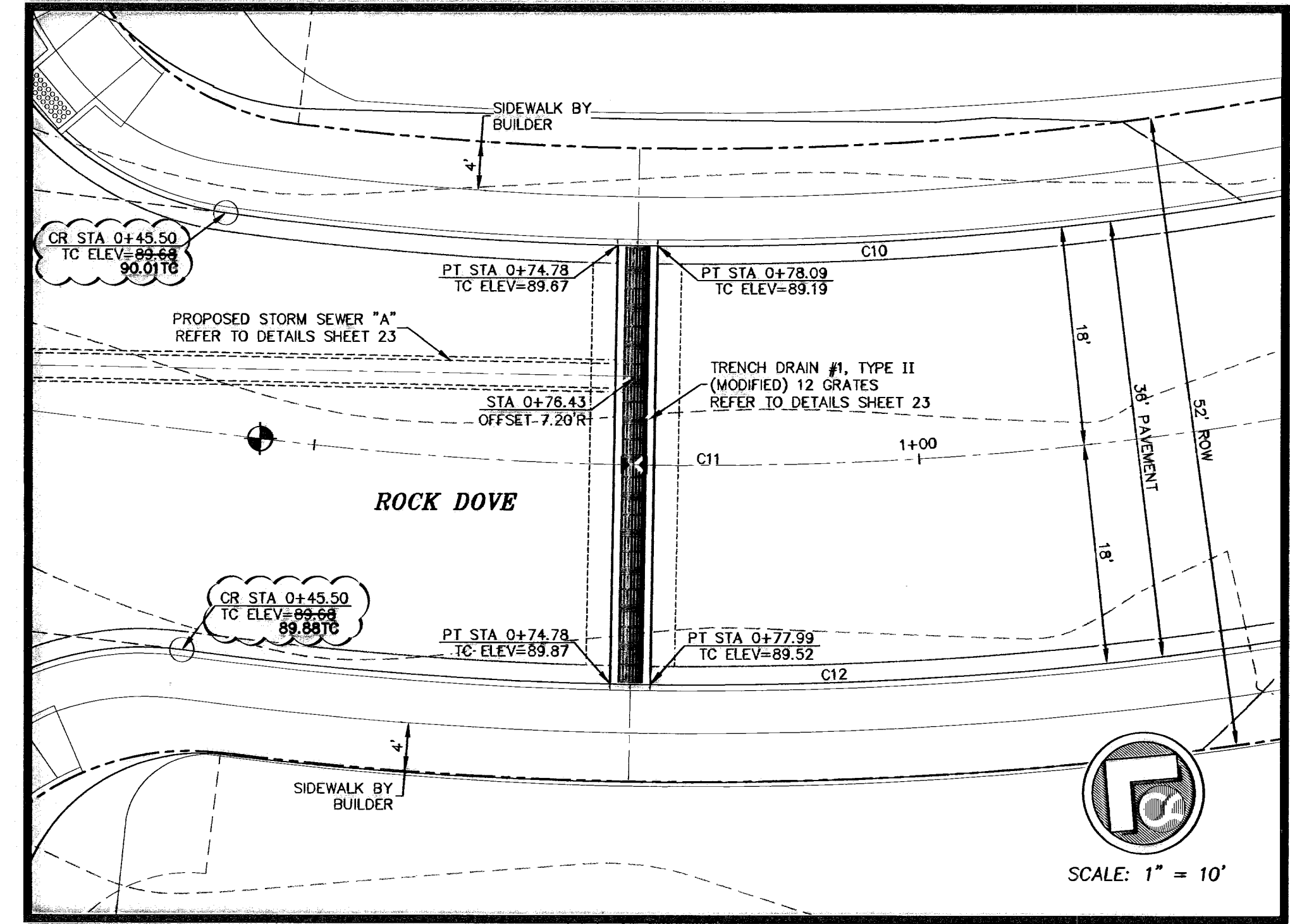
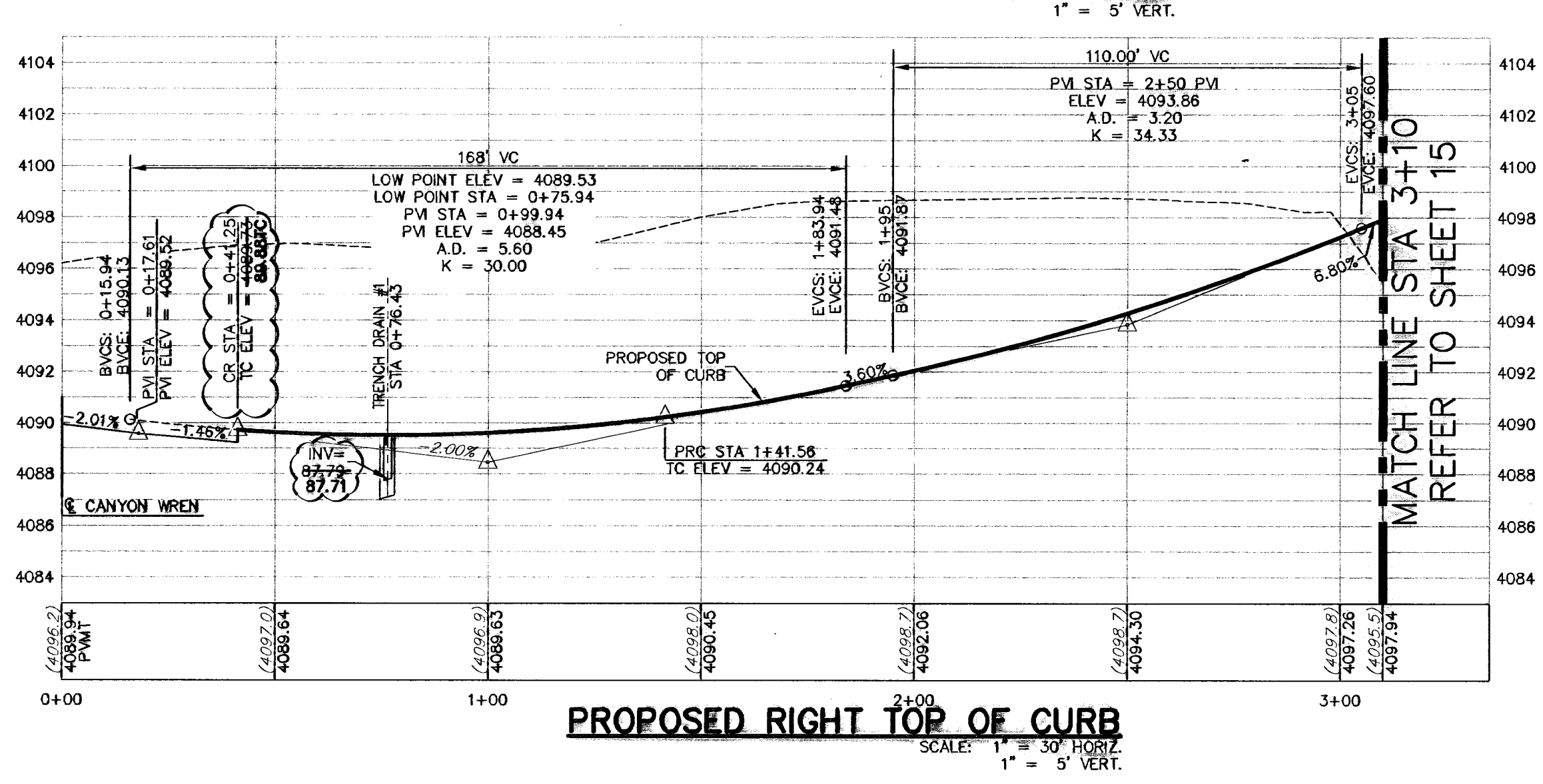
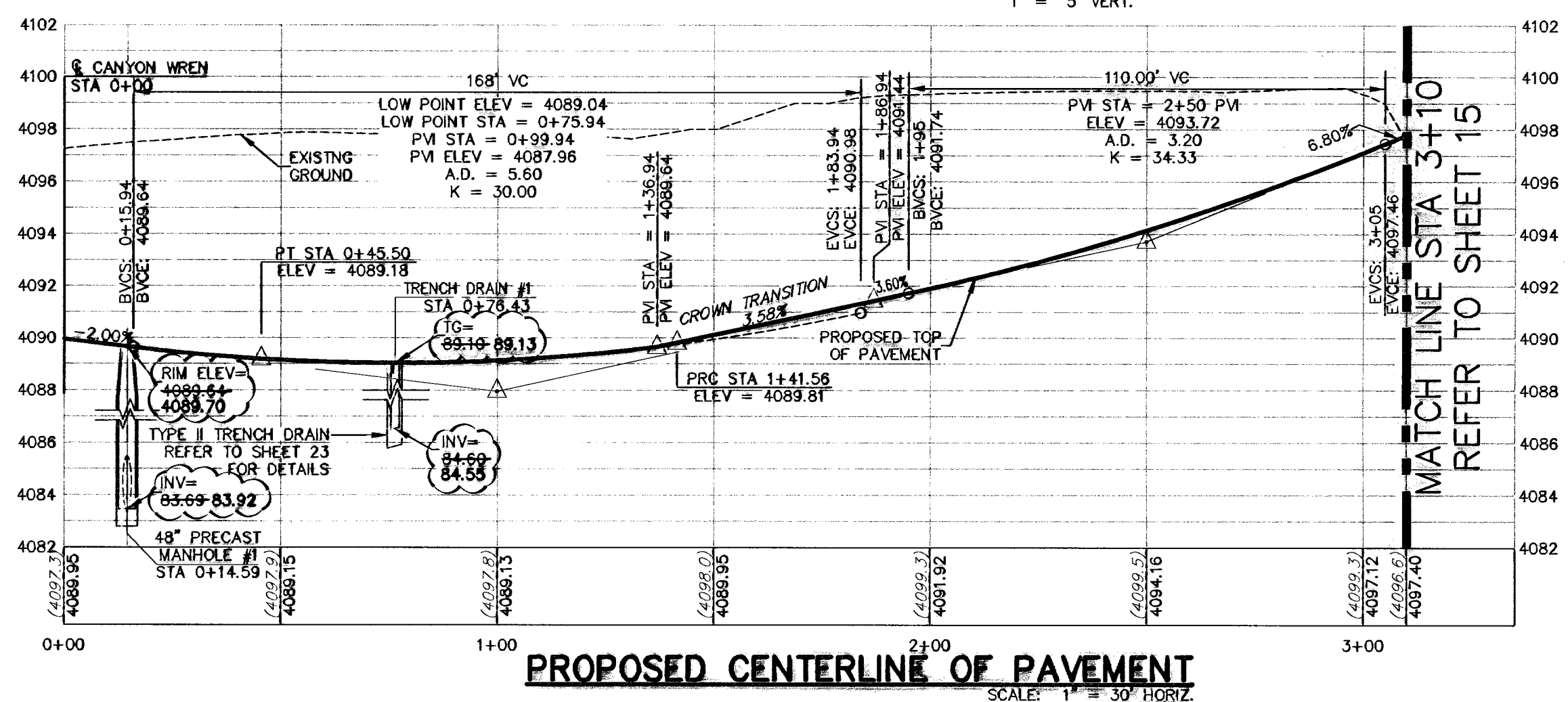
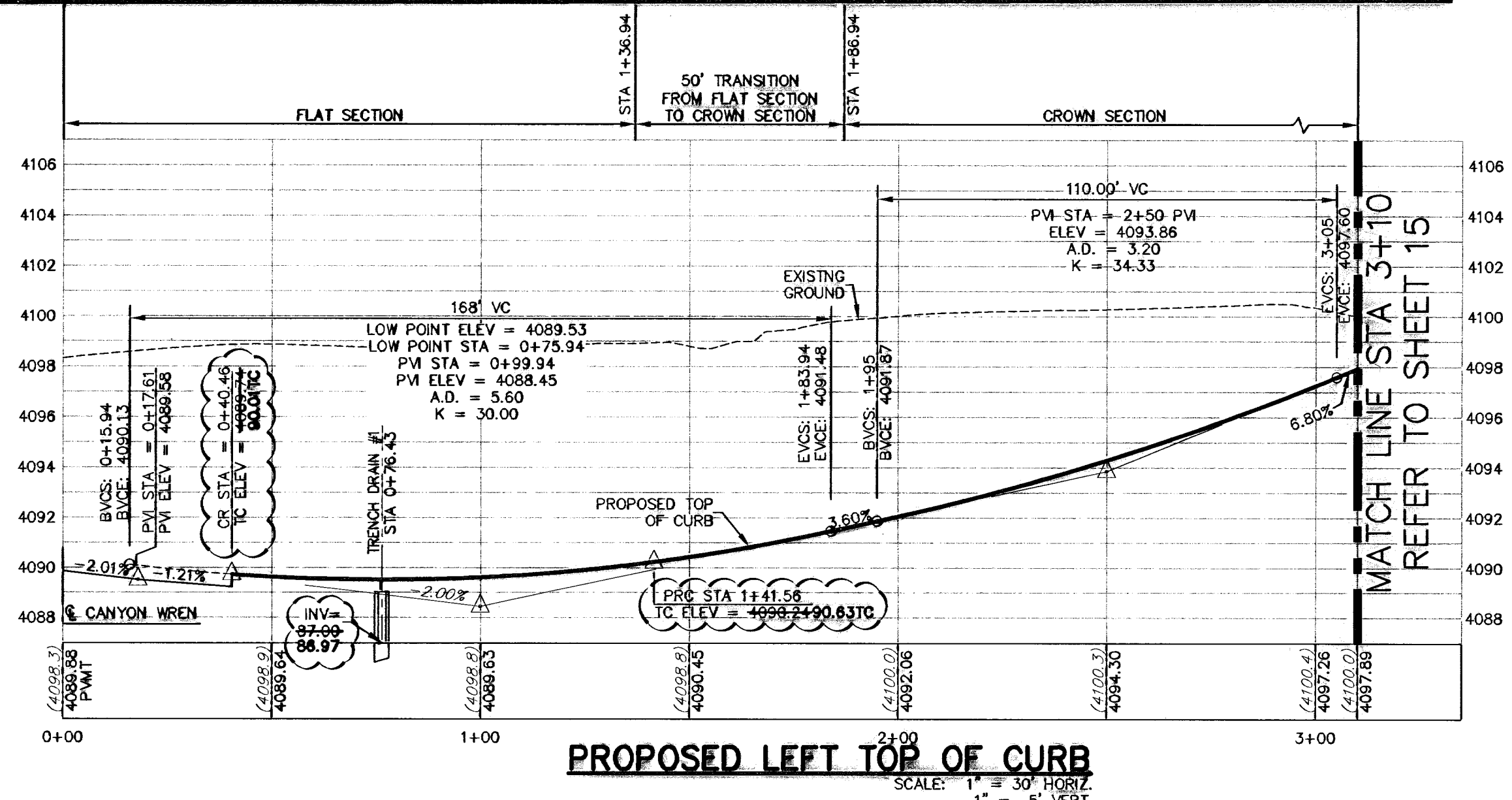
DUE TO CONFLICT WITH EXISTING 30" WATERLINE ON NORTHERN PASS DRIVE, PROPOSED TOP OF CURB AND ROADWAY GRADES ELEVATED TO PROVIDE MINIMUM COVER FOR SANITARY SEWER INSTALLATION AT WEST END OF CANYON WREN.



CURVE	RADIUS	LENGTH	TANGENT	CHORD	BEARING	DELTA
C8	25.00	37.18	22.99	33.84	N75°20'22"W	85°12'00"
C9	25.00	36.39	22.27	33.26	S09°13'07"W	83°24'01"
C10	282.00	90.29	45.54	89.91	S42°40'42"E	18°20'44"
C11	300.00	96.06	48.44	95.65	S42°40'42"E	18°20'44"
C12	318.00	101.82	51.35	101.39	S42°40'42"E	18°20'44"
C13	518.00	305.40	155.89	302.30	N37°41'39"W	28°18'51"
C14	600.00	298.51	151.35	293.50	N37°41'39"W	28°18'51"
C15	582.00	287.61	148.80	284.69	N37°41'39"W	28°18'51"

ALL SIDEWALKS AND ACCESSIBLE RAMPS SHALL COMPLY WITH ADA AND T&S STANDARDS AND GUIDELINES

ALL ACCESSIBLE RAMPS WITHIN THE RIGHT-OF-WAY TO BE INSTALLED BY THE DEVELOPER



TRENCH DRAIN #1 ENLARGED DETAIL
SCALE: 1" = 10'

DENOTES AS-BUILT CONDITIONS

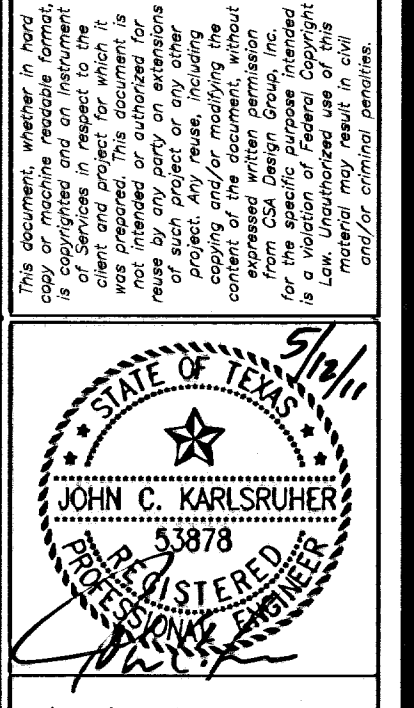
LEGEND

- LOT LINE
- - - 4" ROLLED CURB
- - - UTILITY EASEMENT
- CENTER LINE OF STREET
- STREET R.O.W.
- - - SUBDIVISION BOUNDARY LINE
- - - DRAINAGE RIGHT-OF-WAY
- 3728.85 PROPOSED TOP OF FINISHED GRADES (PROFILE VIEW)
- (3729.2) EXISTING GRADE (PROFILE)
- TC=08.09 PROPOSED TOP OF CURB ELEVATION
- PVMT=08.65 PROPOSED PAVEMENT ELEVATION
- DIRECTION OF RUNOFF FLOW
- ▲ HIGH POINT
- ▼ LOW POINT
- ▲ POINT OF VERTICAL INTERSECTION
- ▲ 50' TRANSITION FROM CROWN TO FLAT PVMT
- PROPOSED CITY MONUMENT SEE DETAIL SHEET 12
- ACCESSIBLE RAMP SEE DETAIL SHEET 11
- 5'x5' PASSING ZONE BY BUILDER
- 4' SIDEWALK (TYP) BY BUILDER
- 3'x3' PARKWAY BY BUILDER
- R.O.W. SEE DETAIL SHEET 11

RECORD DRAWING

WARNING!
BEFORE YOU DIG
CONTRACTOR SHALL FIELD LOCATE ALL EXISTING UNDERGROUND UTILITIES AND IMPROVEMENTS IN THE PROJECT AREA

CALL BEFORE YOU DIG - CALL
EL PASO ELECTRIC COMPANY 543-5720
AT&T 1-800-DIG-TEES
TELECOM TEXAS 544-5300
EL PASO GAS SERVICE 1-800-DIG-TEES
EL PASO WATER UTILITIES (PSB) 594-5775
AFTER HOURS EMERGENCY (EPMU) 1-800-334-8047
EL PASO NATURAL GAS COMPANY 1-800-DIG-TEES
TEXAS EXCAVATION SAFETY SYSTEM (2844-6377)



csa design group, inc.
Texas Registered Engineering Firm F-0097
1845 Northwestown Dr. Ste C
El Paso, Texas 79912
tel (915) 877-4156
fax (915) 877-4334
www.csaengineers.com

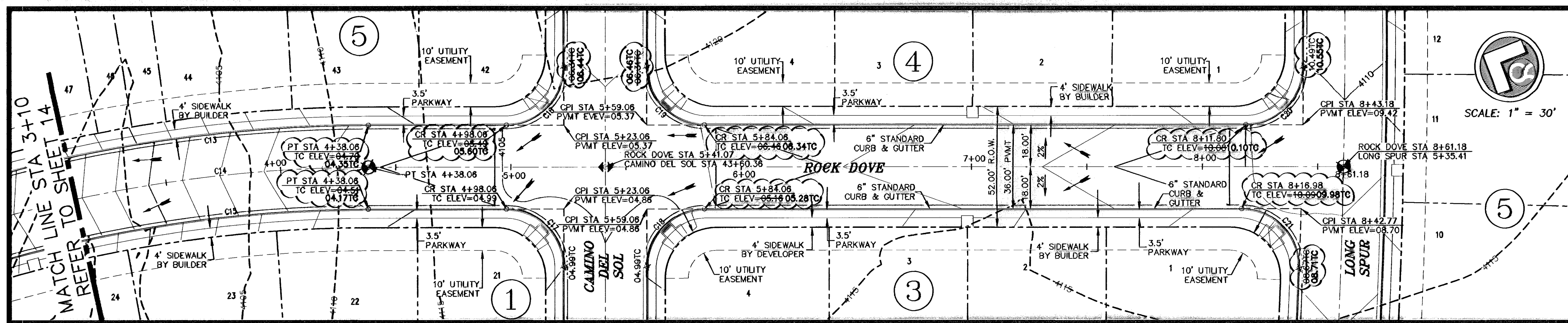


ROCK DOVE PLAN & PROFILE

GOB-SH	9011
DATE	JUL 14
DC-GOB-SH	12/10/09
SCALE	AS NOTED
DATE	AS NOTED
SCALE	AS NOTED
SHEET NO.	14
TOTAL SHEETS	33

600824

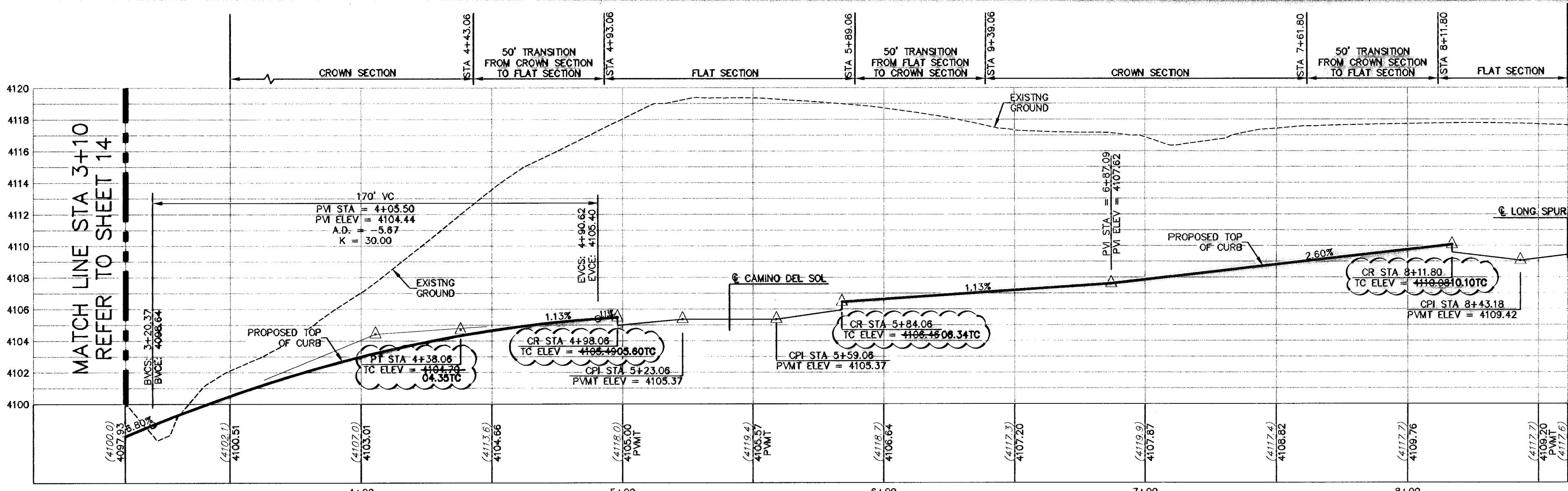
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gpc



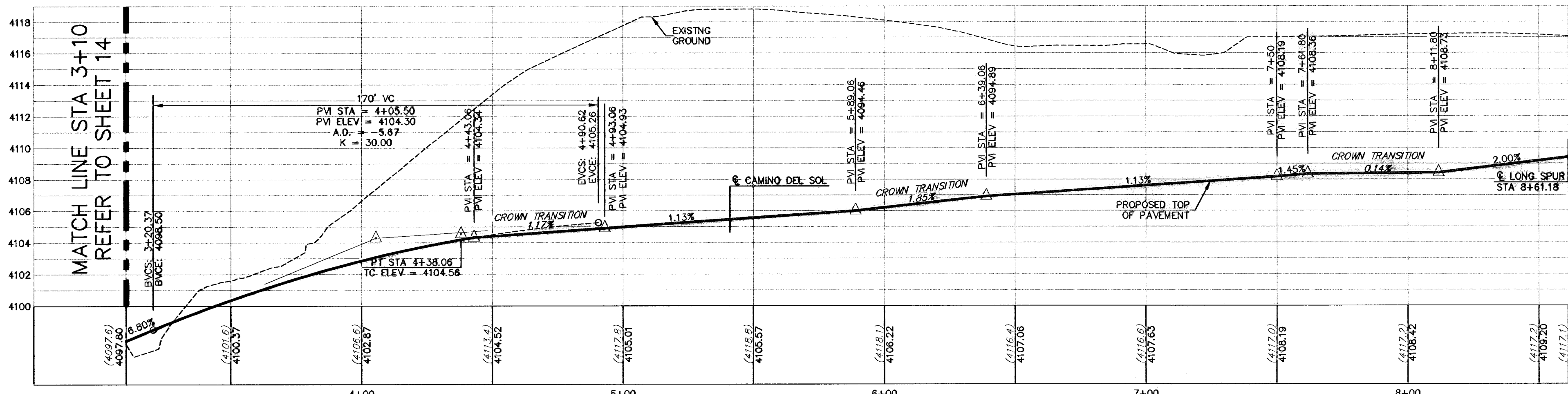
CURVE	RADIUS	LENGTH	TANGENT	CHORD	BEARING	DELTA
C13	618.00	305.40	155.89	302.30	N37°41'39"W	28°18'51"
C14	600.00	298.51	151.35	293.50	N37°41'39"W	28°18'51"
C15	582.00	287.61	148.90	284.69	N37°41'39"W	28°18'51"
C16	30.00	47.12	30.00	42.43	S68°32'13"E	90°00'00"
C17	30.00	47.12	30.00	42.43	N21°27'47"E	90°00'00"
C18	30.00	47.12	30.00	42.43	N68°32'13"E	90°00'00"
C19	30.00	47.12	30.00	42.43	S21°27'47"W	90°00'00"
C20	30.00	47.05	29.93	42.37	S68°27'58"E	89°51'28"
C21	30.00	48.25	31.14	43.21	N22°32'02"E	92°08'31"

ALL SIDEWALKS AND ACCESSIBLE RAMPS SHALL COMPLY WITH ADA AND T&AS STANDARDS AND GUIDELINES

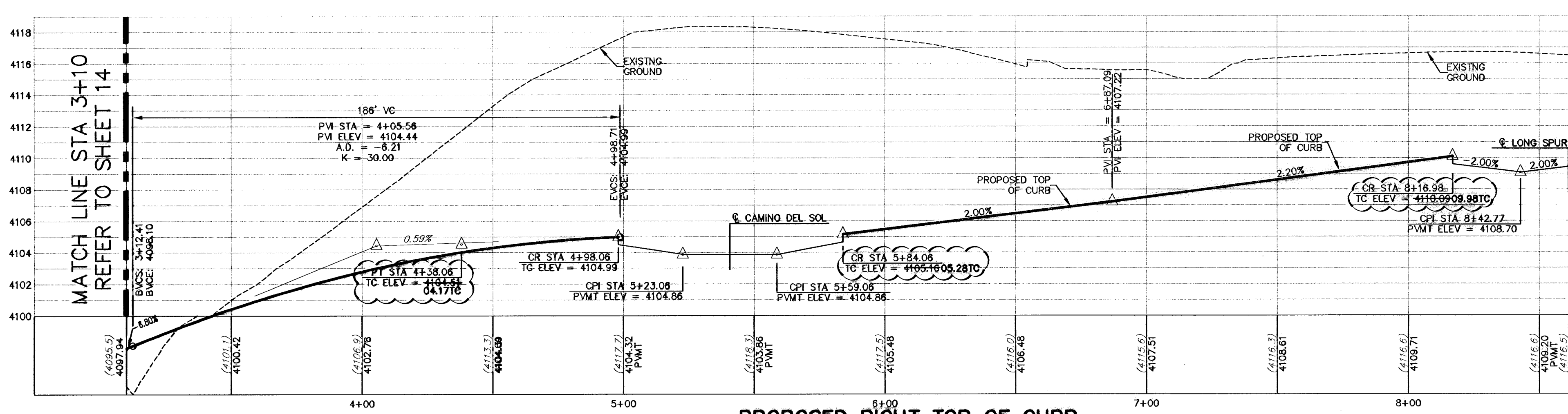
ALL ACCESSIBLE RAMPS WITHIN THE RIGHT-OF-WAY TO BE INSTALLED BY THE DEVELOPER



PROPOSED LEFT TOP OF CURB
SCALE: 1" = 30' HORIZ.
1" = 5' VERT.



PROPOSED CENTERLINE OF PAVEMENT
SCALE: 1" = 30' HORIZ.
1" = 5' VERT.



PROPOSED RIGHT TOP OF CURB
SCALE: 1" = 30' HORIZ.
1" = 5' VERT.

DENOTES AS-BUILT CONDITIONS

- LEGEND**
- LOT LINE
 - - - 4" ROLLED CURB
 - - - UTILITY EASEMENT
 - CENTER LINE OF STREET
 - - - STREET R.O.W.
 - - - SUBDIVISION BOUNDARY LINE
 - - - DRAINAGE RIGHT-OF-WAY
 - 3728.85 PROPOSED TOP OF FINISHED GRADES (PROFILE VIEW)
 - TC=08.09 EXISTING GRADE (PROFILE)
 - TC=08.09 PROPOSED TOP OF CURB ELEVATION
 - PVMT=08.65 PROPOSED PAVEMENT ELEVATION
 - DIRECTION OF RUNOFF FLOW
 - ▲ HIGH POINT
 - ▼ LOW POINT
 - ▲ POINT OF VERTICAL INTERSECTION
 - ▲ 50' TRANSITION FROM CROWN TO FLAT P.V.M.T
 - ▲ PROPOSED CITY MONUMENT SEE DETAIL SHEET 12
 - ▲ ACCESSIBLE RAMP SEE DETAIL SHEET 11
 - ▲ 5'x5' PASSING ZONE BY BUILDER
 - ▲ PARKWAY
 - ▲ 4' SIDEWALK (TYP) BY BUILDER
 - ▲ R.O.W. SEE DETAIL SHEET 11

RECORD DRAWING

WARNING! BEFORE YOU DIG CALL BEFORE YOU DIG

CONTRACTOR SHALL FIELD LOCATE ALL EXISTING UNDERGROUND UTILITIES AND IMPROVEMENTS IN THE PROJECT AREA

RECORD DRAWINGS WERE PREPARED BY CSA DESIGN GROUP, INC. UTILIZING INFORMATION OBTAINED FROM PUBLIC RECORDS AND FIELD SURVEY. THE INFORMATION IS NOT GUARANTEED BY THE CONSULTANT OR ITS ENGINEERS. THE CONSULTANT ASSUMES NO LIABILITY FOR THE ACCURACY OF THE INFORMATION PROVIDED.

CSA design group, inc.
Texas Registered Professional Engineers
1845 Northway Street, Suite C
El Paso, Texas 79912
Tel: (915) 877-4155
Fax: (915) 877-4334
www.csaengineers.com

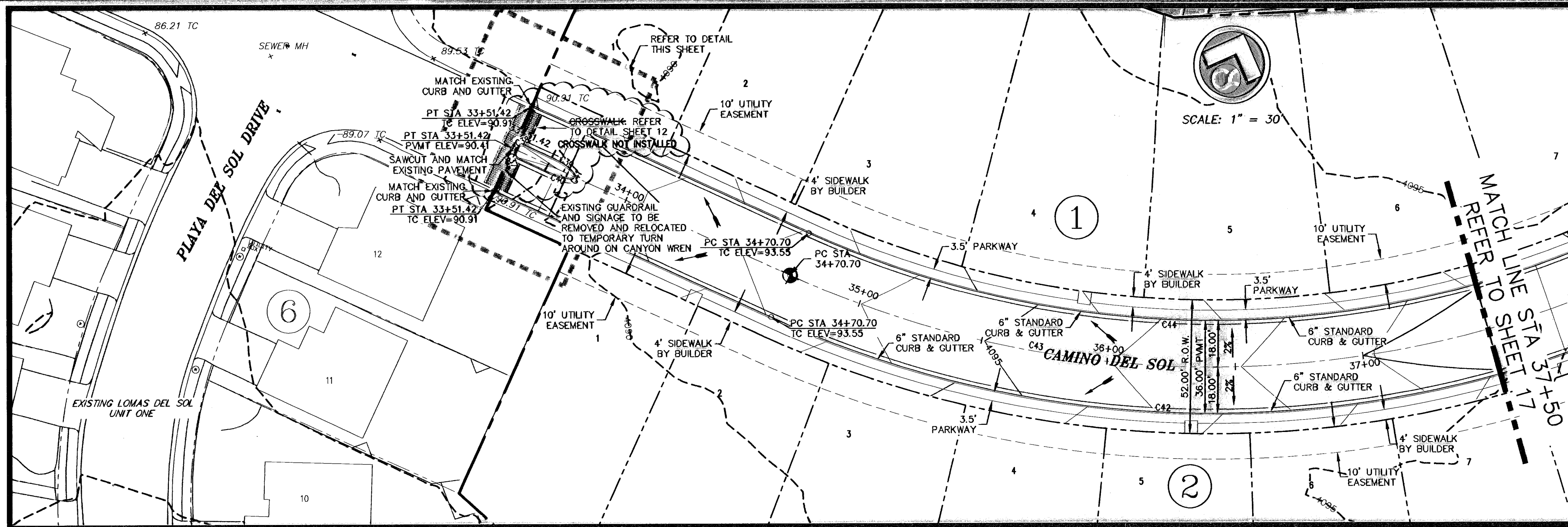
CIMARRON SKY SUBDIVISION

ROCK DOVE PLAN & PROFILE

9011
12/10/09
DATE
SA
DATE
SA NOTED
SCALE

15
33

600824

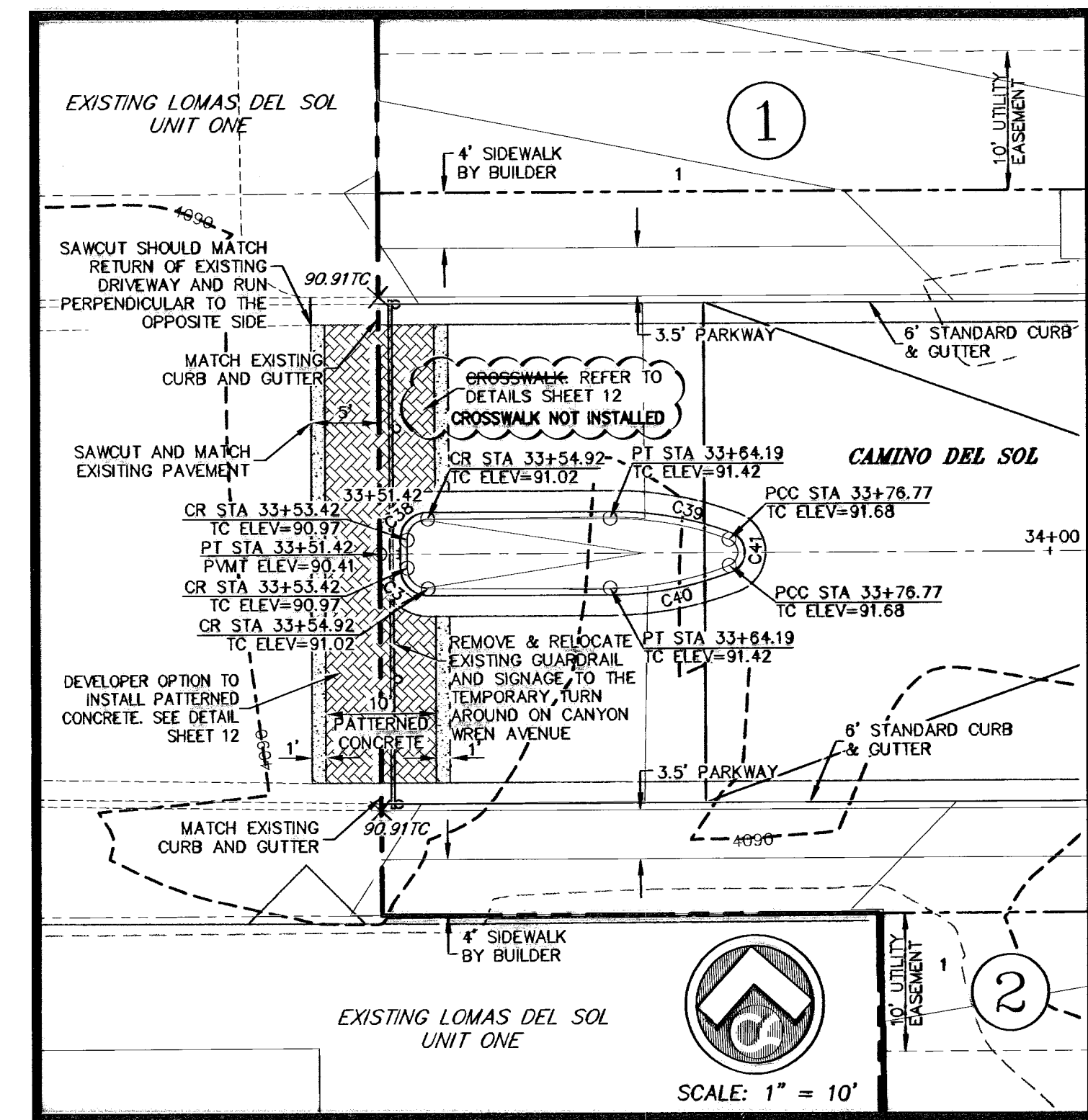
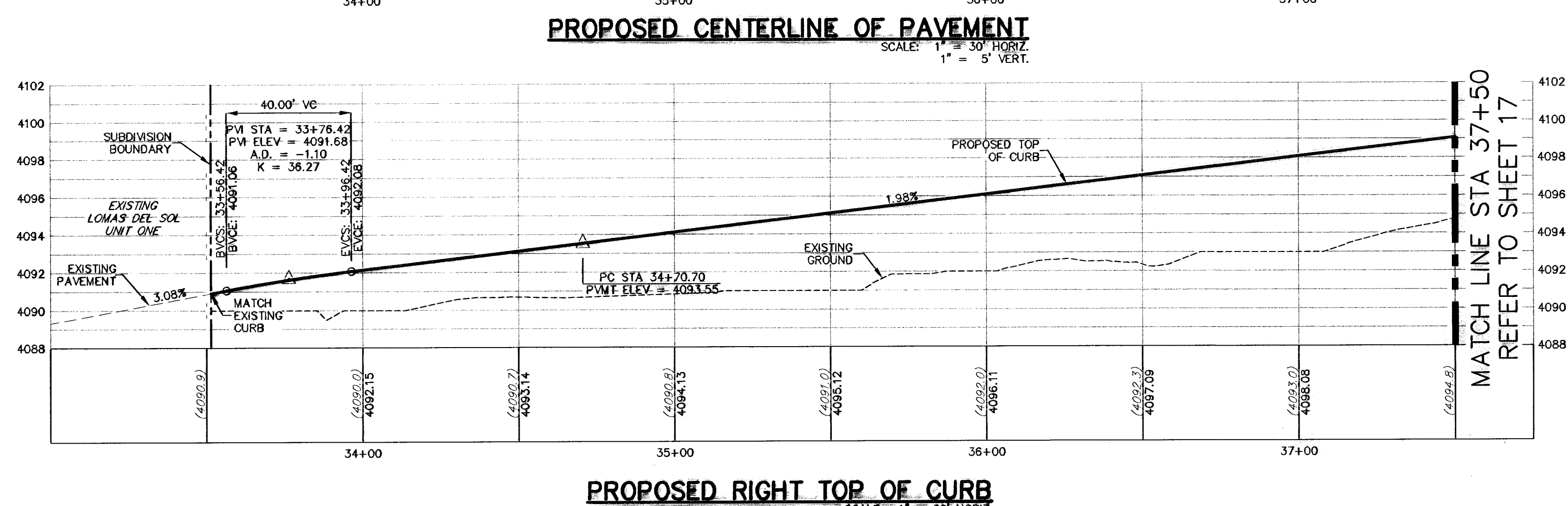
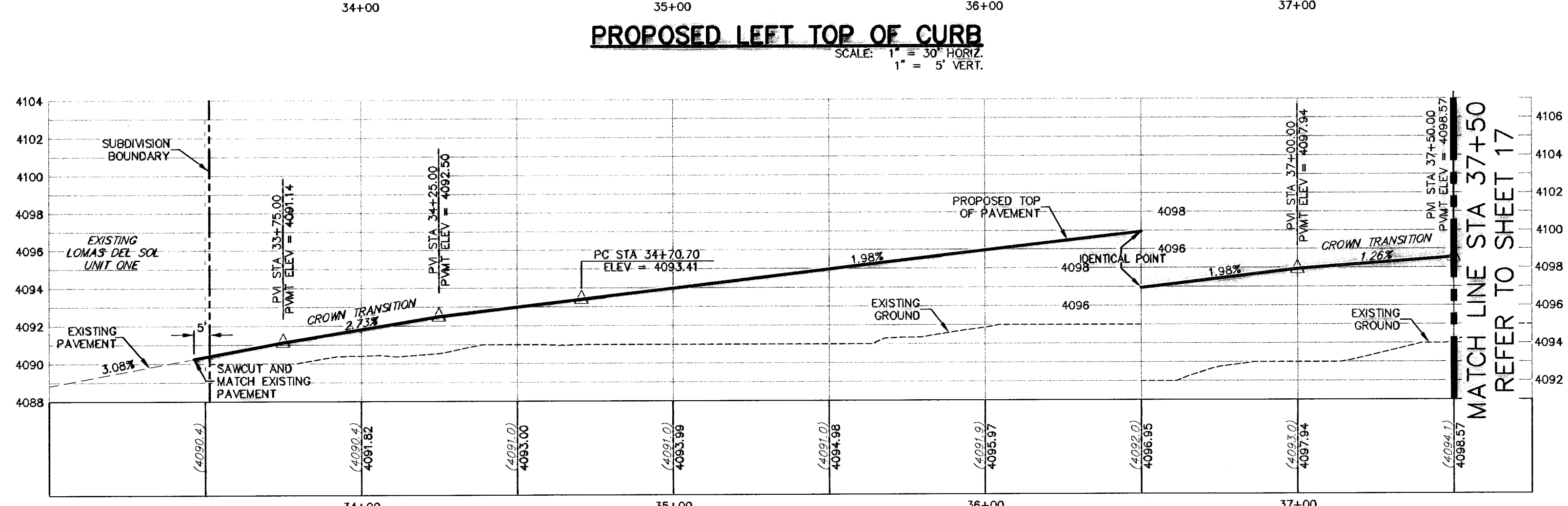
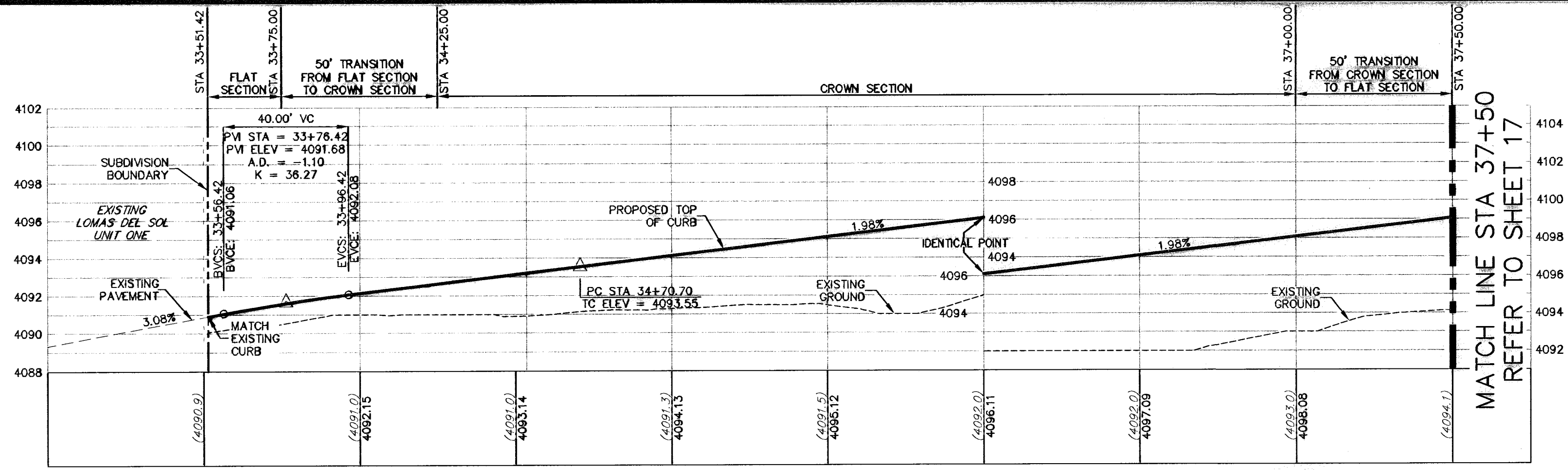


NOTE: MEDIAN TO BE LANDSCAPED AND MAINTAINED BY DEVELOPER PER CITY ORDINANCE. LANDSCAPE DESIGN FOR MEDIANS BY OTHERS UNDER SEPARATE COVER.

ALL ACCESSIBLE RAMPS WITHIN THE RIGHT-OF-WAY TO BE INSTALLED BY THE DEVELOPER

ALL SIDEWALKS AND ACCESSIBLE RAMPS SHALL COMPLY WITH ADA AND T&S STANDARDS AND GUIDELINES

CURVE TABLE						
CURVE	RADIUS	LENGTH	TANGENT	CHORD	BEARING	DELTA
C37	1.50	2.35	1.50	2.12	S41°29'53"E	89°55'42"
C38	1.50	2.36	1.50	2.12	S48°30'07"W	90°04'18"
C39	24.50	8.77	4.43	8.73	N76°12'07"W	20°31'14"
C40	24.50	8.83	4.46	8.78	N83°12'58"E	20°38'35"
C41	1.00	2.42	2.66	1.87	N03°28'35"E	138°50'10"
C42	418.00	357.73	190.64	348.91	N69°01'14"E	49°02'03"
C43	400.00	342.32	182.44	331.97	N69°01'14"E	49°02'03"
C44	382.00	326.92	174.23	317.03	N69°01'14"E	49°02'03"



DENOTES AS-BUILT CONDITIONS

- LEGEND**
- LOT LINE
 - 4" ROLLED CURB
 - UTILITY EASEMENT
 - CENTER LINE OF STREET
 - STREET R.O.W.
 - SUBDIVISION BOUNDARY LINE
 - DRAINAGE RIGHT-OF-WAY
 - PROPOSED TOP OF FINISHED GRADES (PROFILE VIEW)
 - (3729.2) EXISTING GRADE (PROFILE)
 - TC=08.09 PROPOSED TOP OF CURB ELEVATION
 - PWMT=08.65 PROPOSED PAVEMENT ELEVATION
 - DIRECTION OF RUNOFF FLOW
 - HIGH POINT
 - LOW POINT
 - POINT OF VERTICAL INTERSECTION
 - 50' TRANSITION FROM CROWN TO FLAT PWMT
 - PROPOSED CITY MONUMENT SEE DETAIL SHEET 12
 - ACCESSIBLE RAMP SEE DETAIL SHEET 11
 - 5'-5" PASSING ZONE BY BUILDER
 - PARKWAY
 - 4' SIDEWALK (TP) BY BUILDER
 - R.O.W. SEE DETAIL SHEET 11

RECORD DRAWING

WARNING! BEFORE YOU DIG CALL BEFORE YOU DIG - CALL

EL PASO ELECTRIC COMPANY
 545-5720
 1-800-DIG-TESS

TEXAS GAS SERVICE
 544-5300
 1-800-DIG-TESS

EL PASO WATER UTILITIES (EPWU)
 594-5775
 1-800-DIG-TESS

TIME WARNER (CABLE)
 750-7415
 1-800-DIG-TESS

TEXAS EXCAVATION SAFETY SYSTEM
 (940-463-877)

RECORD DRAWING

STATE OF TEXAS
 JOHN C. KARLSRUHER
 53878
 REGISTERED PROFESSIONAL ENGINEER

csa design group, inc.
 Texas Registered Engineering Firm #4609
 1845 Northwestern Dr., Ste C
 El Paso, Texas 79912
 Tel (915) 877-4155
 Fax (915) 877-4334
 www.csaengineers.com

CIMARRON SKY SUBDIVISION

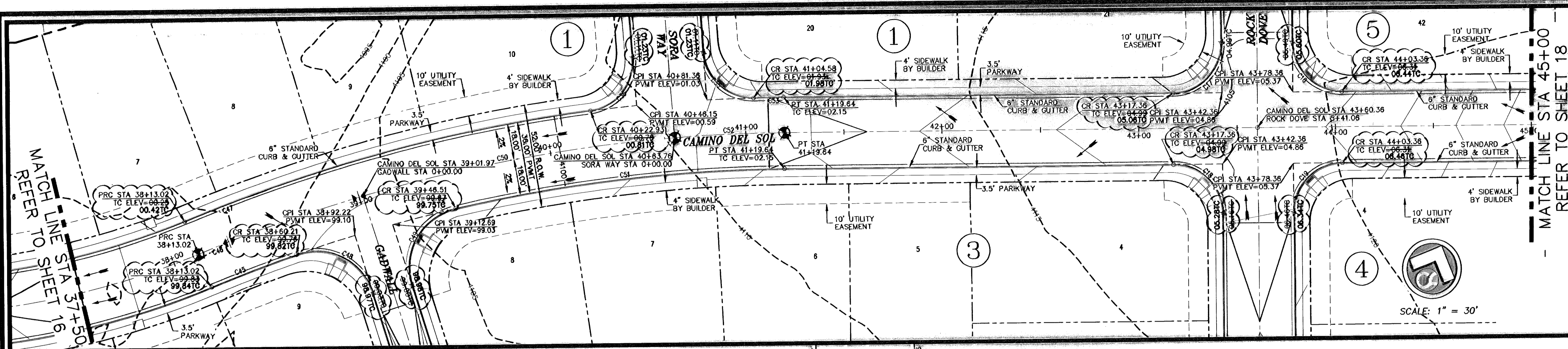
SHEET TITLE
CAMINO DEL SOL PLAN & PROFILE

COB-SH 9011
 DESIGNED BY JCB
 DRAWN BY JCB
 CHECKED BY AS NOTED
 DATE 12/10/09

SHEET NO. 16 OF 33

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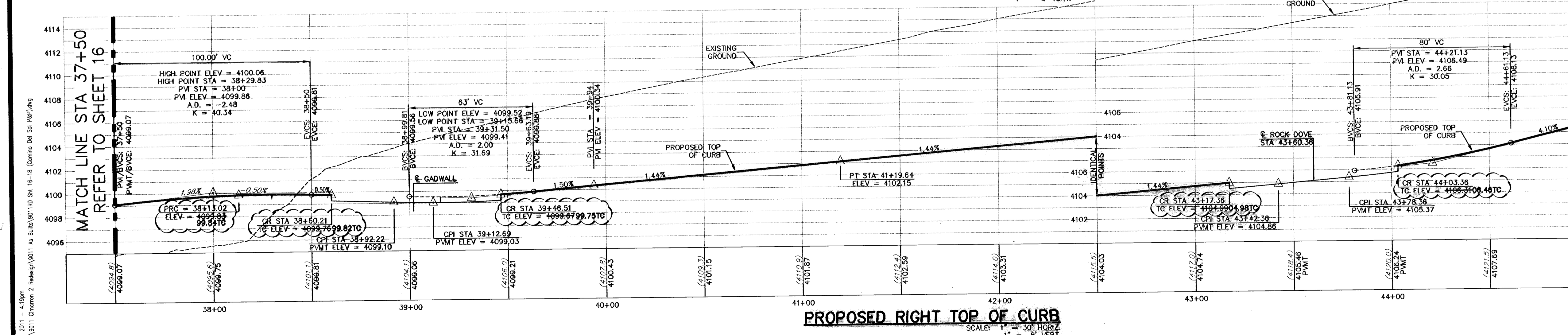
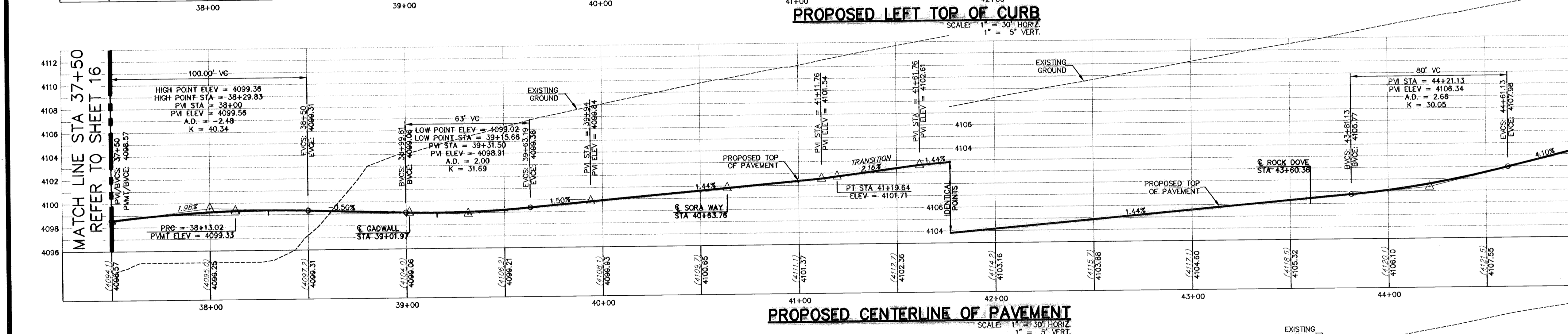
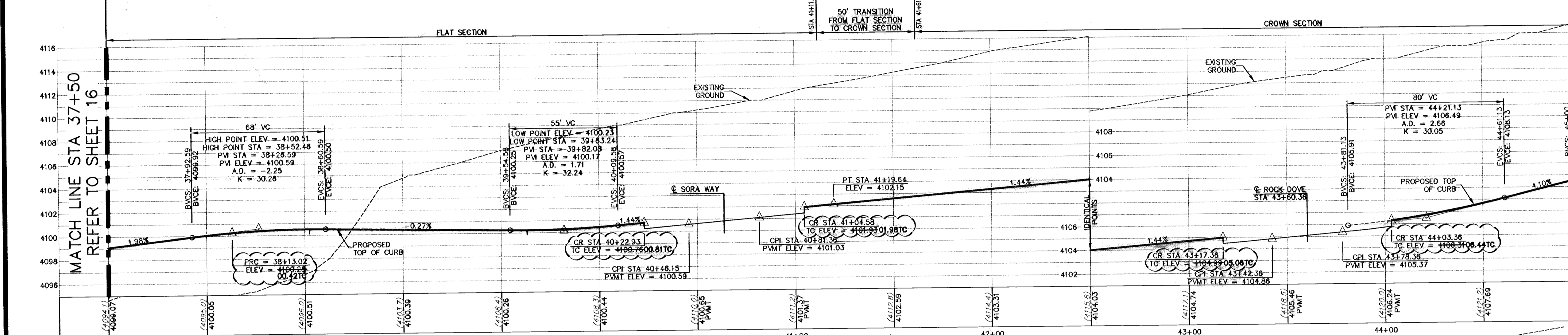
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CURVE	RADIUS	LENGTH	TANGENT	CHORD	BEARING	DELTA
C16	25.00	39.27	25.00	35.36	S69°32'13"E	90°00'00"
C17	25.00	39.27	25.00	35.36	N21°27'47"W	90°00'00"
C18	25.00	39.27	25.00	35.36	N69°32'13"W	90°00'00"
C19	25.00	39.27	25.00	35.36	S21°27'47"W	90°00'00"
C20	25.00	37.75	23.52	34.28	S71°21'39"E	88°30'23"
C21	25.00	37.75	23.76	34.44	N15°59'58"E	87°04'54"
C22	782.00	38.04	19.02	38.03	S45°34'59"W	2°47'13"
C23	800.00	88.55	44.52	88.91	S47°41'19"W	6°22'15"
C24	818.00	210.05	105.61	209.48	S51°51'35"W	14°42'47"
C25	30.50	48.70	31.30	43.69	N68°22'27"W	91°23'08"
C26	30.50	50.41	33.11	44.58	S08°42'58"W	94°41'43"
C27	800.00	161.79	81.17	161.51	S58°40'04"W	11°35'14"
C28	782.00	160.67	80.62	160.38	S69°34'58"W	11°46'19"
C29	800.00	55.88	27.95	55.87	S84°27'44"W	4°00'07"
C30	818.00	10.81	5.40	10.81	S68°09'09"W	0°45'25"

ALL SIDEWALKS AND ACCESSIBLE RAMPS SHALL COMPLY WITH ADA AND T&S STANDARDS AND GUIDELINES

ALL ACCESSIBLE RAMPS WITHIN THE RIGHT-OF-WAY TO BE INSTALLED BY THE DEVELOPER



LEGEND

- LOT LINE
- 4" ROLLED CURB
- UTILITY EASEMENT
- CENTER LINE OF STREET
- STREET R.O.W.
- SUBDIVISION BOUNDARY LINE
- DRAINAGE RIGHT-OF-WAY
- 3728.85 (3729.2) PROPOSED TOP OF FINISHED GRADES (PROFILE VIEW)
- EXISTING GRADE (PROFILE)
- TC=08.09 PROPOSED TOP OF CURB ELEVATION
- PVMT=08.85 PROPOSED PAVEMENT ELEVATION
- DIRECTION OF RUNOFF FLOW
- HIGH POINT
- LOW POINT
- POINT OF VERTICAL INTERSECTION
- 50' TRANSITION FROM CROWN TO FLAT PVMT
- PROPOSED CITY MONUMENT SEE DETAIL SHEET 12
- ACCESSIBLE RAMP SEE DETAIL SHEET 11
- 5'x5' PASSING ZONE BY BUILDER
- PARKWAY
- 4' SIDEWALK (1/2) BY BUILDER
- R.O.W. SEE DETAIL SHEET 11

WARNING!
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UNDERGROUND UTILITIES
AND IMPROVEMENTS IN
THE PROJECT AREA

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EL PASO ELECTRIC COMPANY
1-800-455-TESS
544-6300
TECS GAS SERVICE
956-3411/956-2000
TECS EMERGENCY HOTLINE
956-3411/956-1855
EL PASO NATURAL GAS (EPNG)
948-5775
775-7414
1-800-368-6847
1-800-368-6847
1-800-368-6847

RECORD DRAWING

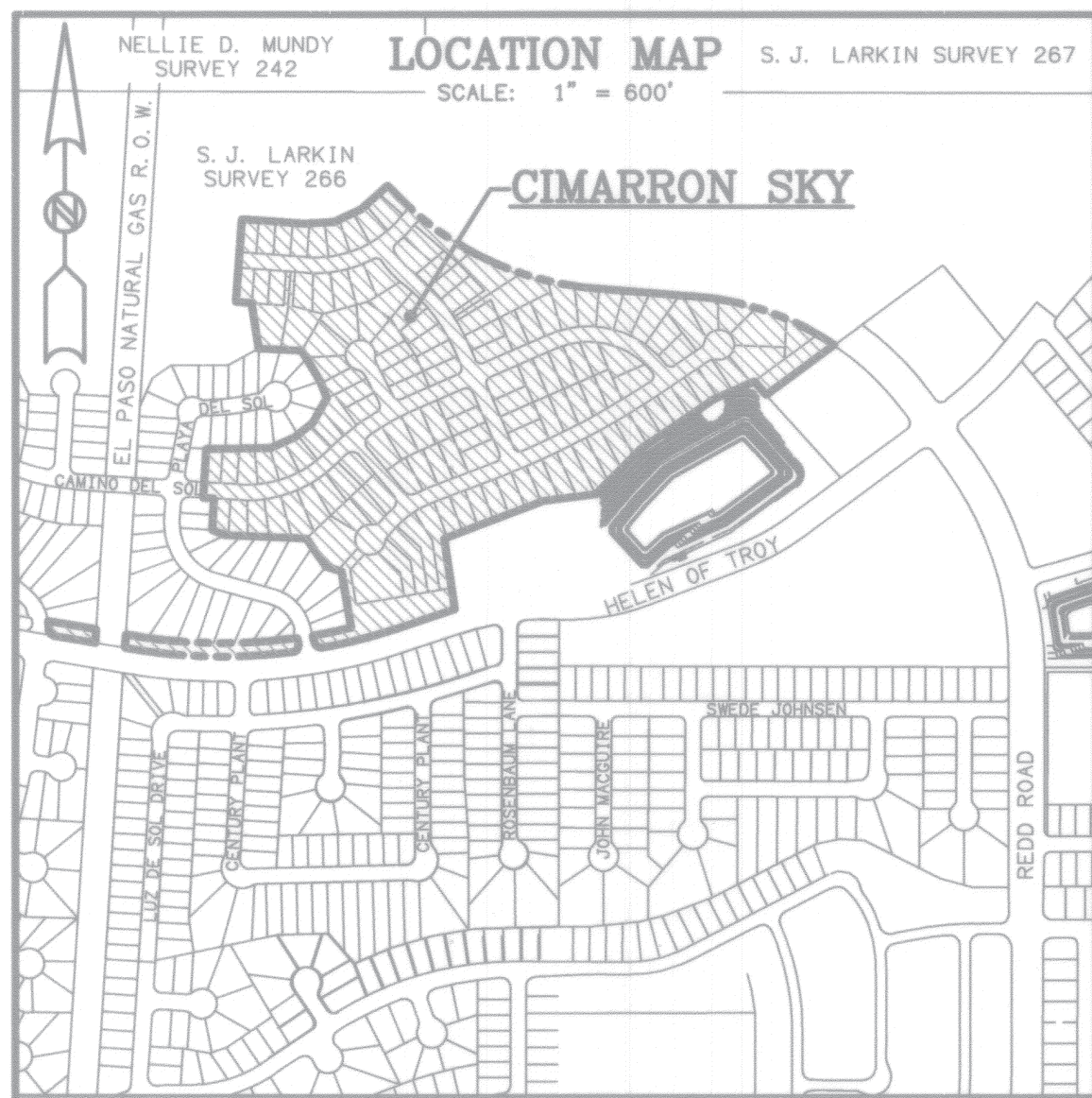
CSA design group, inc.
Texas Registered Engineering Firm #4697
1845 Northwestem Dr. Ste C
El Paso, Texas 79912
tel (915) 877 4155
fax (915) 877 4334
www.csaengineers.com

CIMARRON SKY SUBDIVISION

CAMINO DEL SOL PLAN & PROFILE

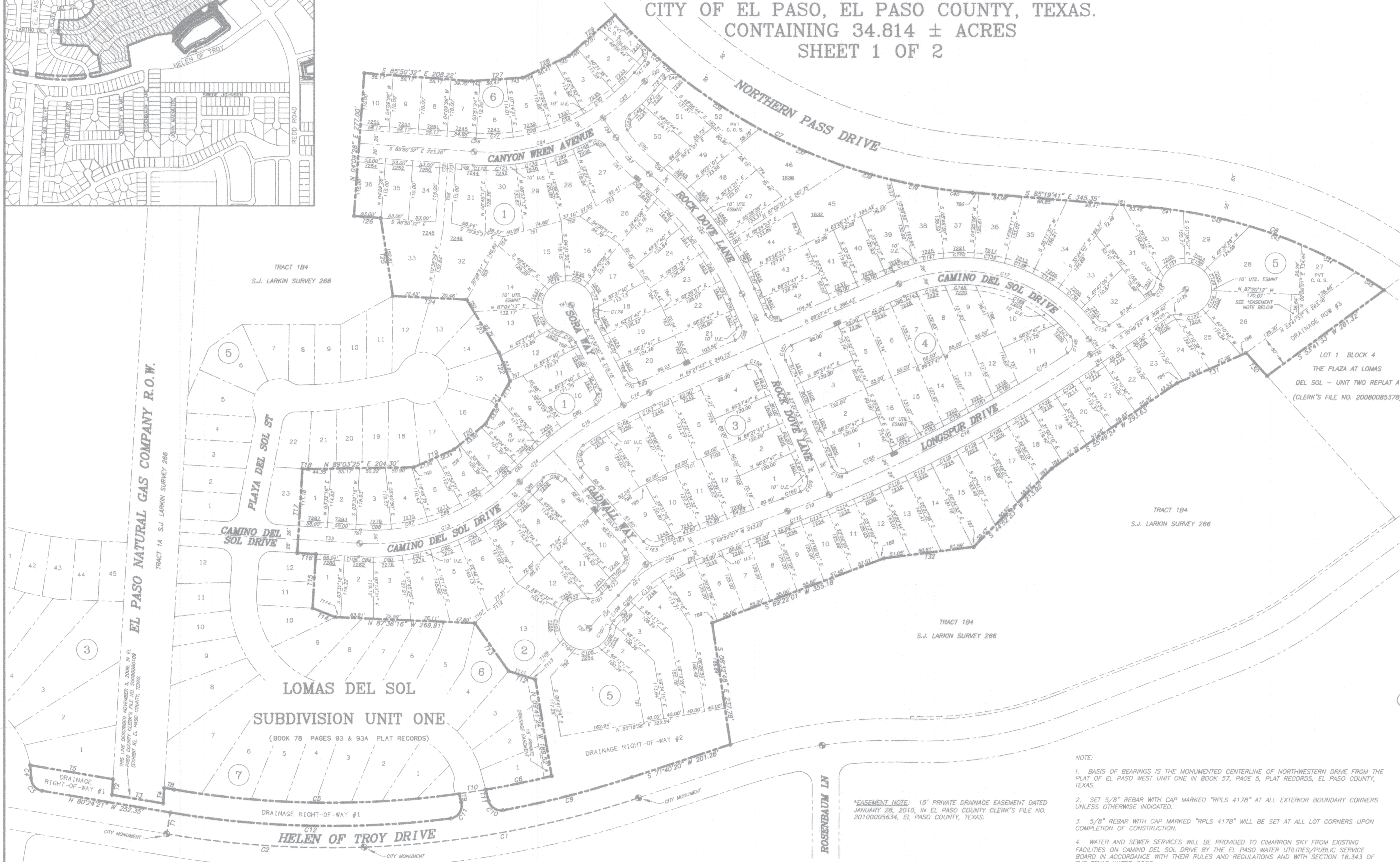
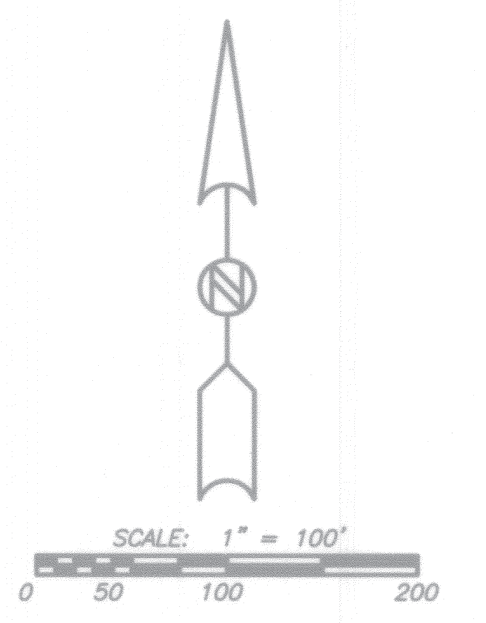
COB-SH 9011
DC-COB-SH 12/10/09
SA AS NOTED
SCALE

SHEET NO. 17
33



CIMARRON SKY

BEING A PORTION OF TRACTS 1A AND 1B4 AND ALL OF TRACTS 1B5B4 AND 1B4C6, S.J. LARKIN SURVEY 266, CITY OF EL PASO, EL PASO COUNTY, TEXAS.
CONTAINING 34.814 ± ACRES
SHEET 1 OF 2

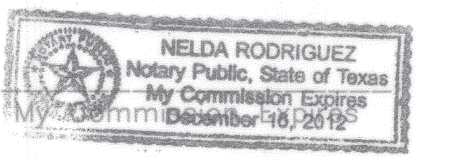


DEDICATION
We, Cimarron Hunt Communities, LLC, by Hunt Communities Development Co., LLC, owners of this land, do hereby present this plat and dedicate to the use of the public the streets, drives, drainage rights-of-way and utility easements as hereon laid down and designated, including easements for overhead of service wires, conduits and pipes for underground utilities, the right to ingress and egress for service and construction, and the right to trim interfering trees and shrubs.

Cimarron Hunt Communities, LLC
By: Hunt Communities Development Co., LLC
Justin Chapman
Justin Chapman, President

ACKNOWLEDGMENT
STATE OF TEXAS
COUNTY OF EL PASO
This instrument was acknowledged before me on 06/03/2010 by Justin Chapman, President of Hunt Communities Development Co., LLC

Given under my hand and seal of office this 3rd day of June, 2010.
Nelda Rodriguez
Nelda Rodriguez
Notary Public, State of Texas

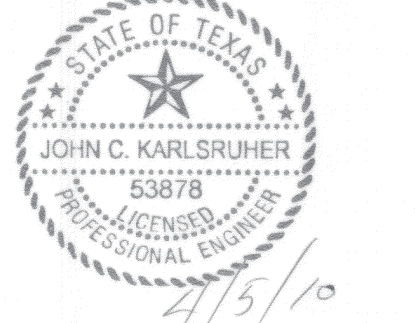


CITY PLAN COMMISSION
This subdivision is hereby approved as to the platting and as to the conditions of the dedication in accordance with Chapter 212 of the Local Government Code of Texas this 17 day of June, 2010.
Calypso Chairperson
M. H. Kelly Executive Secretary

Approved for filing this 29 day of June, 2010.
Walter ...
Development Services Director

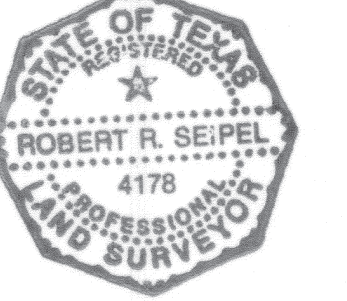
FILING
Filed and recorded in the office of the County Clerk of El Paso County, Texas, this 4 day of August, 2010, File No. 20100054242 Plat Records.
Diana Garcia County Clerk
Diana Garcia Deputy

Subdivision improvement plans prepared by and under the supervision of CSA Design Group, Inc.
John C. Karlsruher
John C. Karlsruher, P.E.
Registered Professional Engineer
Texas License No. 53878



I hereby certify that this plat represents an on-the-ground survey made under my supervision in compliance with current Texas Board of Professional Land Surveying Professional and Technical Standards.

Robert Seipel Associates, Inc.
Professional Land Surveyors
Robert R. Seipel
Robert R. Seipel, President
Registered Professional Land Surveyor
Texas License No. 4178



NOTE: ALL FRONT LOT UTILITY EASEMENTS ARE 10 FEET WIDE UNLESS OTHERWISE INDICATED.

Direct vehicular access from Northern Pass Drive to Lot 1, Block 6 and Lots 28, 29, 30, 31, 34, 35, 36, 37, 38, 45, 46, and 52. Block 5 is prohibited and shall be permitted only from other dedicated streets within this subdivision. The instrument assuring release of access to Northern Pass Drive is recorded in the Office of the Clerk of El Paso County, Texas, Deeds and Records Section, Instrument No. 20100054245 dated 4 Aug 10

RESTRICTIVE COVENANTS FOR THIS SUBDIVISION ARE RECORDED IN THE OFFICE OF THE CLERK OF EL PASO COUNTY, TEXAS, DEED AND RECORDS SECTION.
INSTRUMENT NO. 20100054247 DATE 4 Aug 10

TAX CERTIFICATES FOR THIS SUBDIVISION ARE RECORDED IN THE OFFICE OF THE CLERK OF EL PASO COUNTY, TEXAS, DEED AND RECORDS SECTION.
INSTRUMENT NO. 20100054243 DATE 4 Aug 10

TAX CERTIFICATES FOR THIS SUBDIVISION ARE RECORDED IN THE OFFICE OF THE CLERK OF EL PASO COUNTY, TEXAS, DEED AND RECORDS SECTION.
INSTRUMENT NO. 20100054244 DATE 20100054244

*EASEMENT NOTE: 15' PRIVATE DRAINAGE EASEMENT DATED JANUARY 28, 2010, IN EL PASO COUNTY CLERK'S FILE NO. 20100005634, EL PASO COUNTY, TEXAS.

- NOTE:
1. BASIS OF BEARINGS IS THE MONUMENTED CENTERLINE OF NORTHWESTERN DRIVE FROM THE PLAT OF EL PASO WEST UNIT ONE IN BOOK 57, PAGE 5, PLAT RECORDS, EL PASO COUNTY, TEXAS.
 2. SET 5/8" REBAR WITH CAP MARKED "RPLS 4178" AT ALL EXTERIOR BOUNDARY CORNERS UNLESS OTHERWISE INDICATED.
 3. 5/8" REBAR WITH CAP MARKED "RPLS 4178" WILL BE SET AT ALL LOT CORNERS UPON COMPLETION OF CONSTRUCTION.
 4. WATER AND SEWER SERVICES WILL BE PROVIDED TO CIMARRON SKY FROM EXISTING FACILITIES ON CAMINO DEL SOL DRIVE BY THE EL PASO WATER UTILITIES/PUBLIC SERVICE BOARD IN ACCORDANCE WITH THEIR RULES AND REGULATIONS AND WITH SECTION 16.343 OF THE TEXAS WATER CODE.
 5. U.S. POSTAL SERVICE DELIVERY WILL BE PROVIDED THROUGH NEIGHBORHOOD DELIVERY AND COLLECTION BOX UNITS.
 6. HELEN OF TROY DRIVE IS FROM THE PLAT OF WEST HILLS UNIT TWENTY THREE IN BOOK 80, PAGE 31, PLAT RECORDS, EL PASO COUNTY, TEXAS.
 7. S.J. LARKIN SURVEY 266 IS DESCRIBED SEPTEMBER 10, 1949, IN BOOK 945, PAGE 405, DEED RECORDS, EL PASO COUNTY, TEXAS.
 8. PRIVATE COMMON OPEN SPACES TO BE MAINTAINED BY THE HOMEOWNER'S ASSOCIATION ESTABLISHED WITH THIS SUBDIVISION.
 9. NORTHERN PASS DRIVE IS FROM THE PLAT OF NORTHERN PASS DRIVE EXTENSION UNIT ONE IN CLERK'S FILE NO. 20080042927, EL PASO COUNTY CLERK'S RECORDS, EL PASO COUNTY, TEXAS.
 10. THE EL PASO NATURAL GAS COMPANY R.O.W. (TRACT 1A) IS DESCRIBED JANUARY 23, 1973 IN BOOK 431, PAGE 617 (PARCEL 6), DEED RECORDS, EL PASO COUNTY, TEXAS.
 11. THE SUBDIVISION IMPROVEMENTS AGREEMENT AND GUARANTEE SHALL BE RECORDED CONCURRENTLY WITH THIS PLAT.

WEST HILLS UNIT TWENTY THREE
(BOOK 78 PAGES 11 & 11A PLAT RECORDS)

ROBERT SEIPEL ASSOCIATES, INC. PROFESSIONAL LAND SURVEYORS
1845 NORTHWESTERN DRIVE EL PASO TX 79712 PHONE (915) 877-1928 FAX (915) 877-2095

REVISED: FEBRUARY 10, 2010
REVISED: JANUARY 28, 2010
REVISED: JANUARY 21, 2010
REVISED: JANUARY 6, 2010
REVISED: DECEMBER 23, 2009
DATE OF PREPARATION: DECEMBER 10, 2009

