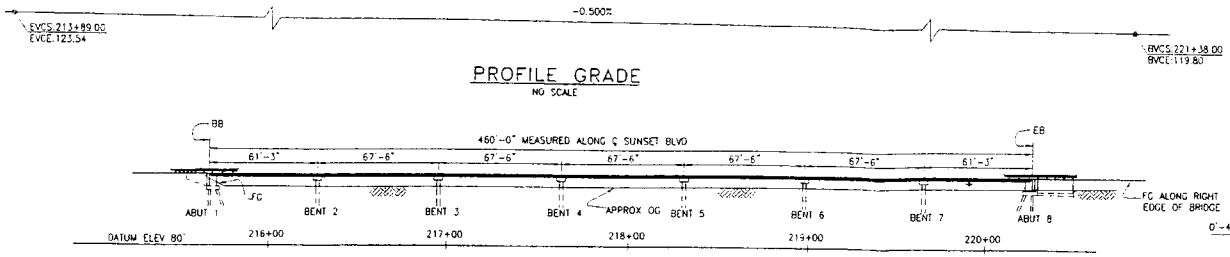
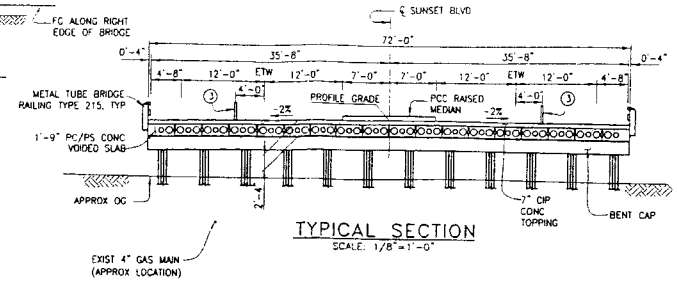
APPENDIX K

PROJECT SITE GRADING PLANS

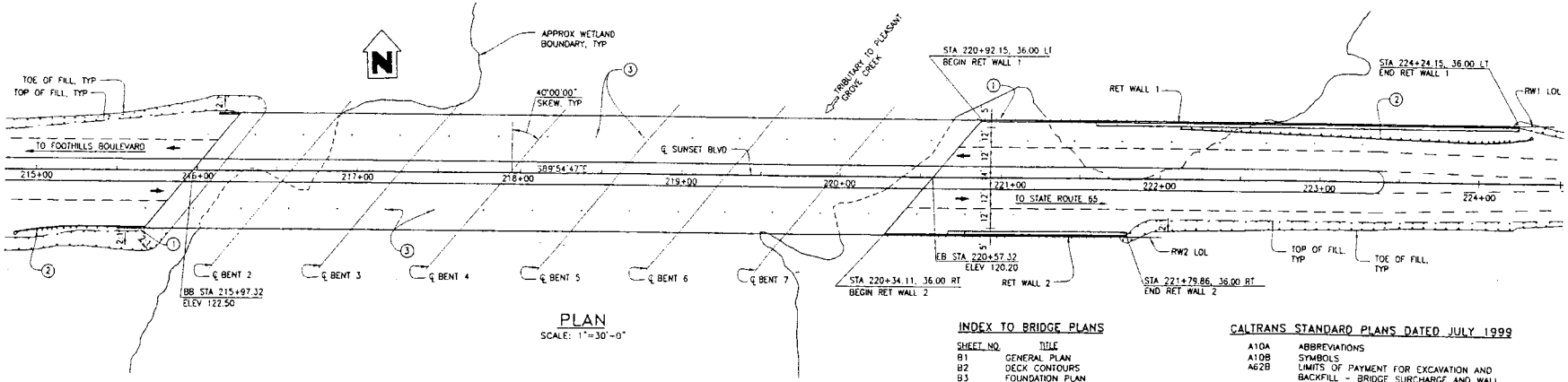
Figure 1
Preliminary General Plan





PILE DATA TABLE						
LOCATION	PILE TYPE	WSD DESIGN LOADING (TONS)	NOMINAL RESISTANCE COMPRESSION (KIPS)	NOMINAL RESISTANCE TENSION (KIPS)	DESIGN TIP ELEVATIONS (FT)	SPECIFIED TIP ELEVATIONS (FT)
ABUT 1	CLASS 400 (ALTERNATIVE "X" OR "Y")	45	180	0	85 (1) , 93 (3)	85
BENTS 2 TO 7	24" OCTAGONAL PC/PS	150	600	0	83 (1) , 93 (3)	83
ABUT 8	CLASS 400 (ALTERNATIVE "X" OR "Y")	45	180	0	85 (1) , 93 (3)	85

PILE TIP ELEVATION IS CONTROLLED BY THE FOLLOWING (1) COMPRESSION (2) TENSION (3) LATERAL LOADING



INDEX TO BRIDGE PLANS

SHEET NO.	TITLE
B1	GENERAL PLAN
B2	DECK CONTOURS
B3	FOUNDATION PLAN
B4	ABUTMENT 1 LAYOUT
B5	ABUTMENT 8 LAYOUT
B6	ABUTMENT DETAILS
B7	ABUTMENT 8 RETAINING WALLS DETAILS
B8	BENT DETAILS
B9	BENT PILE DETAILS
B10	TYPICAL SECTION
B11	SLAB LAYOUT
B12	SLAB DETAILS
B13	METAL TUBE BRIDGE RAILING TYPE 215-NO. 1
B14	METAL TUBE BRIDGE RAILING TYPE 215-NO. 2
B15	LOG OF TEST BORINGS NO. 1
B16	LOG OF TEST BORINGS NO. 2
B17	LOG OF TEST BORINGS NO. 3
B18	LOG OF TEST BORINGS NO. 4

CALTRANS STANDARD PLANS DATED JULY 1999

A10A	ABBREVIATIONS
A10B	SYMBOLS
A62B	LIMITS OF PAYMENT FOR EXCAVATION AND BACKFILL - BRIDGE SURCHARGE AND WALL
A62C	LIMITS OF PAYMENT FOR EXCAVATION AND BACKFILL - BRIDGE
B0-1	BRIDGE DETAILS
B0-3	BRIDGE DETAILS
B0-5	BRIDGE DETAILS
B0-13	BRIDGE DETAILS
B2-5	PILE DETAILS CLASS 400 AND CLASS 625
B3-1	RETAINING WALL TYPE 1 (H = 1200 THROUGH 9100mm)
B3-9	RETAINING WALL DETAILS NO. 2
B6-21	JOINT SEALS (MAXIMUM MOVEMENT RATING =50 MM)

STANDARD PLAN SHEET NO.

DETAIL NO.

NOTES:

1. PAINT BRIDGE NUMBER AND YEAR COMPLETED.
2. WBGR, SEE ROAD PLANS.
3. TEMPORARY CHANNELIZER, SEE ROAD PLANS.
4. FOR GENERAL NOTES, SEE "DECK CONTOURS" SHEET.
5. FOR HYDROLOGIC SUMMARY, SEE "FOUNDATION PLAN" SHEET.

NO	DATE	REVISION	BY

	BY	CHECKED
DESIGNED	P. PRASAD	M. KANAAN
DRAWN	KW/JG	P. PRASAD
QUANTITIES	R. OLSON	P. PRASAD

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BRIDGE NO | POST MILE

0 1 2 3
ORIGINAL SCALE IS IN INCHES FOR REDUCED PLANS

REGISTERED PROFESSIONAL ENGINEER No. 35798 CIVIL STATE OF CALIFORNIA

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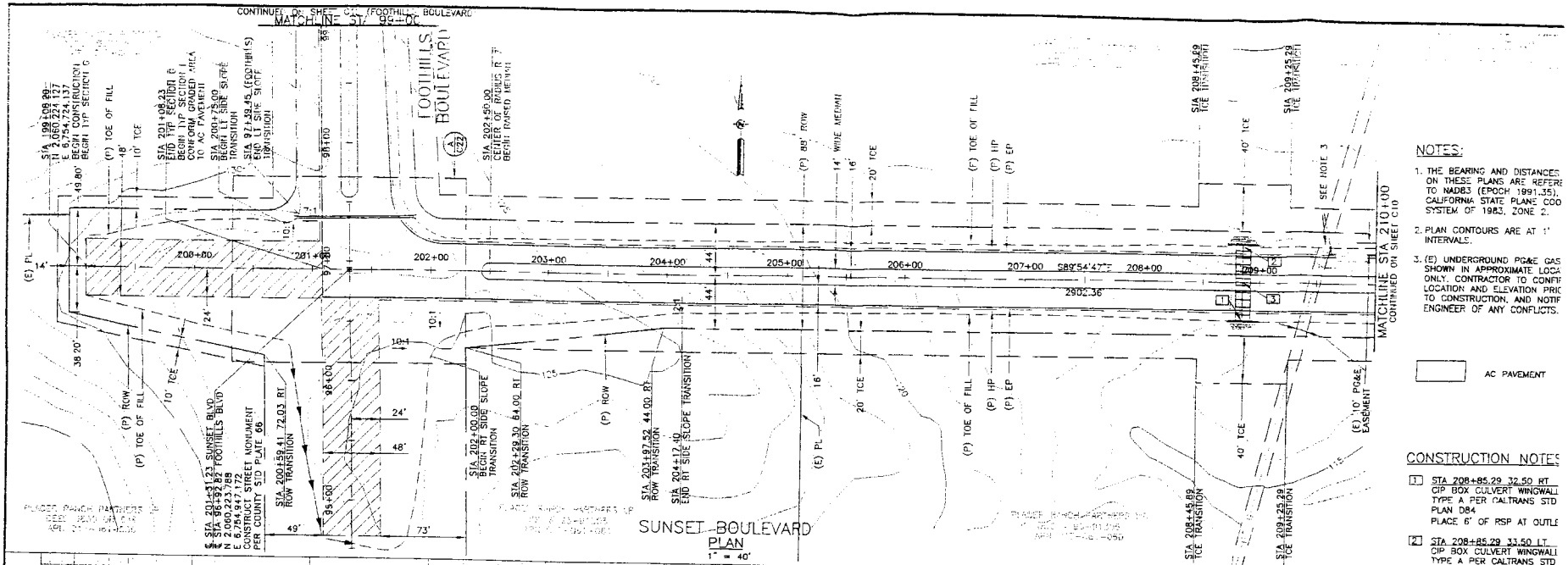
PHASE 2 - OFF-SITE IMPROVEMENTS
THUNDER VALLEY
BRIDGE ALONG SUNSET BOULEVARD
GENERAL PLAN

DRAWING	SHEET
B1	42
OF B18	OF TOTAL 59

REVISION



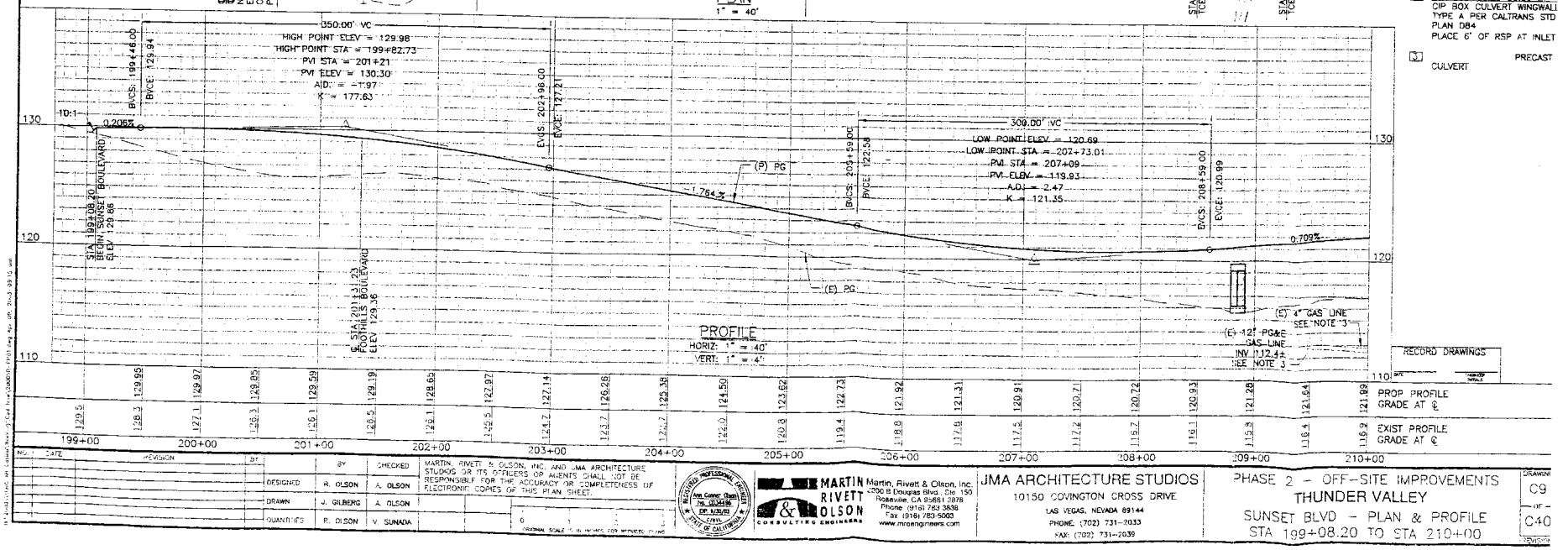
NOTES:

1. THE BEARING AND DISTANCES ON THESE PLANS ARE REFERE TO NAD83 (EPOCH 1991.35), CALIFORNIA STATE PLANE COO SYSTEM OF 1983, ZONE 2.
2. PLAN CONTOURS ARE AT 1' INTERVALS.
3. (E) UNDERGROUND PG&E GAS SHOWN IN APPROXIMATE LOCA ONLY. CONTRACTOR TO CONFI LOCATION AND ELEVATION PRIO TO CONSTRUCTION, AND NOTIF ENGINEER OF ANY CONFLICTS.

AC PAVEMENT

CONSTRUCTION NOTES

1. STA 208+85.29 32.50 RT
   CIP BOX CULVERT WINGWALL
   TYPE A PER CALTRANS STD
   PLAN D84
   PLACE 6' OF RSP AT OUTLE
2. STA 208+85.29 33.50 LT
   CIP BOX CULVERT WINGWALL
   TYPE A PER CALTRANS STD
   PLAN D84
   PLACE 6' OF RSP AT INLET
3. PRECAST CULVERT



RECORD DRAWINGS

NO.	DATE	REVISION	BY	CHECKED

DESIGNED	R. OLSON	A. OLSON
DRAWN	J. GILBERG	A. OLSON
QUANTITIES	R. OLSON	V. SUNADA

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ORIGINAL SCALE IS 36 INCHES FOR MEASURE PURPOSES

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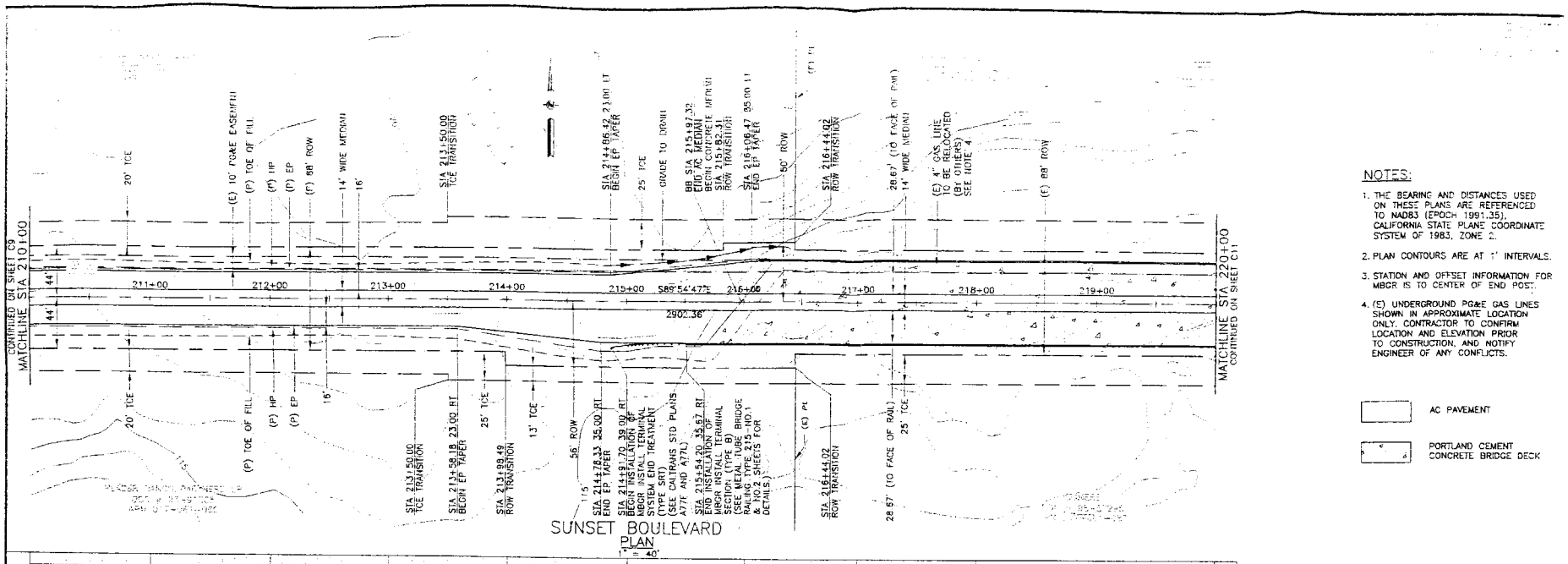
PHASE 2 - OFF-SITE IMPROVEMENTS
THUNDER VALLEY
SUNSET BLVD - PLAN & PROFILE
STA 199+08.20 TO STA 210+00

DRAWING C9 OF C40



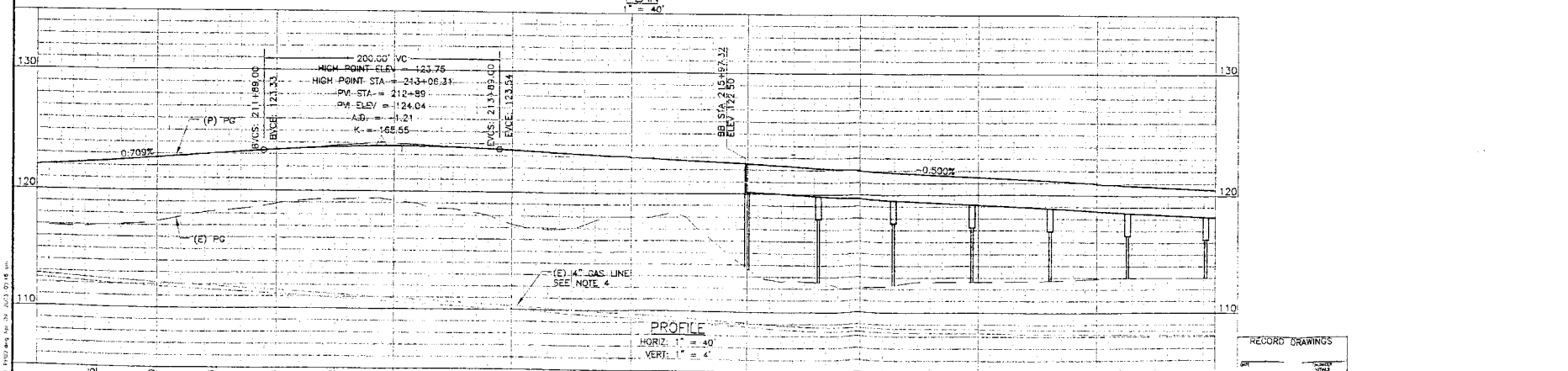
SUNSET BOULEVARD
PLAN
1" = 40'

NOTES:

1. THE BEARING AND DISTANCES USED ON THESE PLANS ARE REFERENCED TO NAD83 (EPOCH 1991.35), CALIFORNIA STATE PLANE COORDINATE SYSTEM OF 1983, ZONE 2.
2. PLAN CONTOURS ARE AT 1' INTERVALS.
3. STATION AND OFFSET INFORMATION FOR MBGR IS TO CENTER OF END POST.
4. (E) UNDERGROUND PG&E GAS LINES SHOWN IN APPROXIMATE LOCATION ONLY. CONTRACTOR TO CONFIRM LOCATION AND ELEVATION PRIOR TO CONSTRUCTION, AND NOTIFY ENGINEER OF ANY CONFLICTS.

AC PAVEMENT

PORTLAND CEMENT CONCRETE BRIDGE DECK



PROFILE
HORIZ: 1" = 40'
VERT: 1" = 4'

RECORD DRAWINGS

	210+00	211+00	212+00	213+00	214+00	215+00	216+00	217+00	218+00	219+00	220+00
PROP PROFILE GRADE AT ℄	122.35	122.70	123.06	123.41	123.65	123.75	123.69	123.49	123.24	122.99	122.74
	122.49	122.24	121.99	121.74	121.49	121.24	120.99	120.74	120.49		
EXIST PROFILE GRADE AT ℄	117.0	117.4	118.2	119.9	119.3	119.2	119.5	117.3	117.0	118.0	117.7
	113.7	112.8	112.1	112.6	112.7	112.7	112.9	113.0	113.0		

NO.	DATE	REVISION	BY		BY	CHECKED
				DESIGNED	R. OLSON	A. OLSON
				DRAWN	J. GILBERG	A. OLSON
				QUANTITIES	R. OLSON	V. SUNADA

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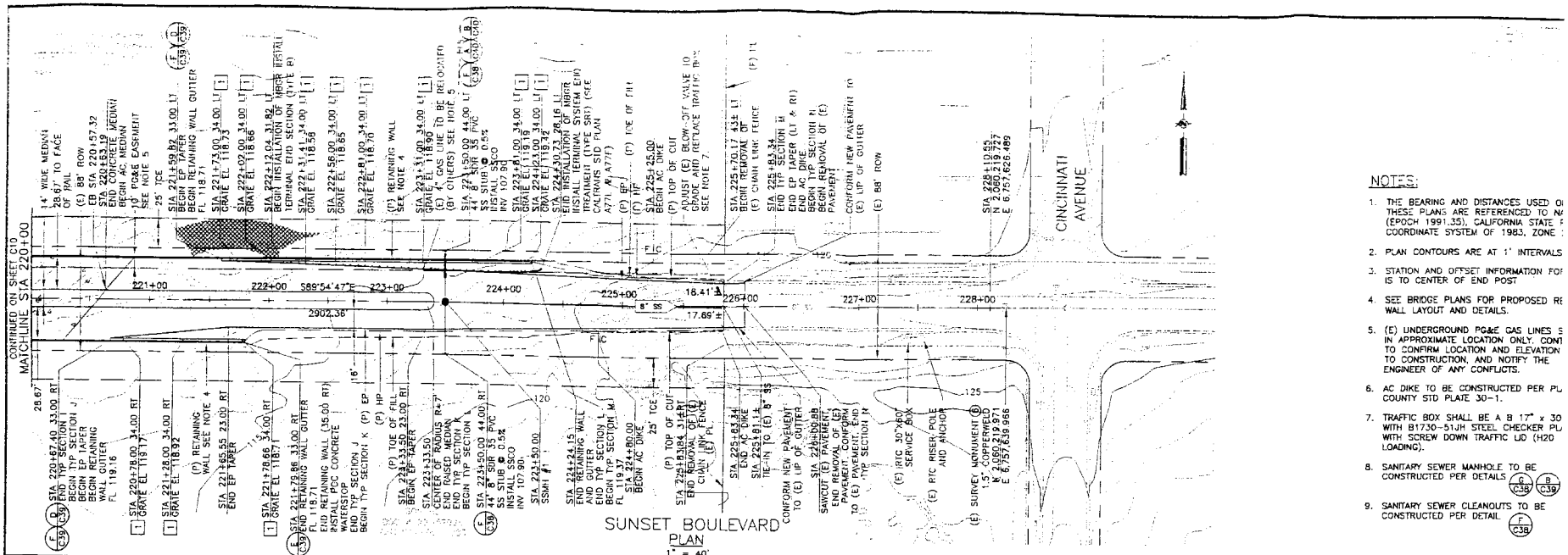
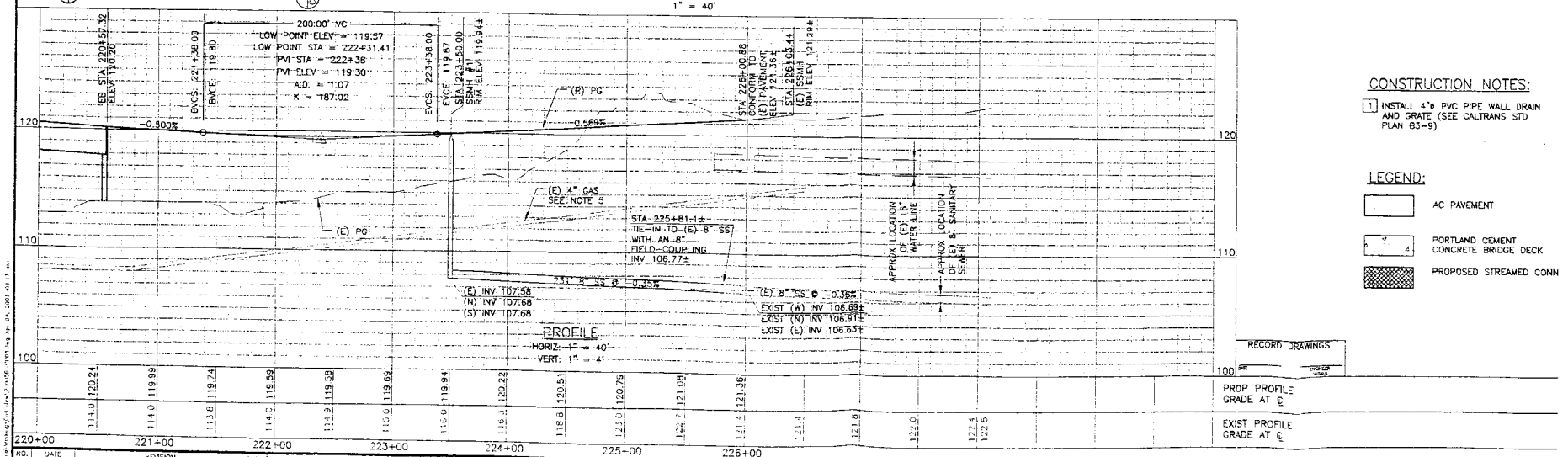
PHASE 2 - OFF-SITE IMPROVEMENTS
THUNDER VALLEY
SUNSET BLVD - PLAN & PROFILE
STA 210+00 TO STA 220+00

DRAWING C10 OF C40





NOTES:

1. THE BEARING AND DISTANCES USED O THESE PLANS ARE REFERENCED TO NA (EPOCH 1991.35), CALIFORNIA STATE P COORDINATE SYSTEM OF 1983, ZONE 2
2. PLAN CONTOURS ARE AT 1' INTERVALS
3. STATION AND OFFSET INFORMATION FOR IS TO CENTER OF END POST
4. SEE BRIDGE PLANS FOR PROPOSED RE WALL LAYOUT AND DETAILS.
5. (E) UNDERGROUND PG&E GAS LINES S IN APPROXIMATE LOCATION ONLY. CONT TO CONFIRM LOCATION AND ELEVATION TO CONSTRUCTION, AND NOTIFY THE ENGINEER OF ANY CONFLICTS.
6. AC DIKE TO BE CONSTRUCTED PER PL COUNTY STD PLATE 30-1.
7. TRAFFIC BOX SHALL BE A B 17" x 30 WITH B1730-51JH STEEL CHECKER PL WITH SCREW DOWN TRAFFIC LID (H20 LOADING).
8. SANITARY SEWER MANHOLE TO BE CONSTRUCTED PER DETAILS ℄ C38 B C38
9. SANITARY SEWER CLEANOUTS TO BE CONSTRUCTED PER DETAIL F C38

CONSTRUCTION NOTES:

1. INSTALL 4"ø PVC PIPE WALL DRAIN AND GRATE (SEE CALTRANS STD PLAN B3-9)

LEGEND:

- AC PAVEMENT
- PORTLAND CEMENT CONCRETE BRIDGE DECK
- PROPOSED STREAMED CONN

NO.	DATE	REVISION	BY	CHECKED

DESIGNED	R. OLSON	A. OLSON
DRAWN	J. GILBERG	A. OLSON

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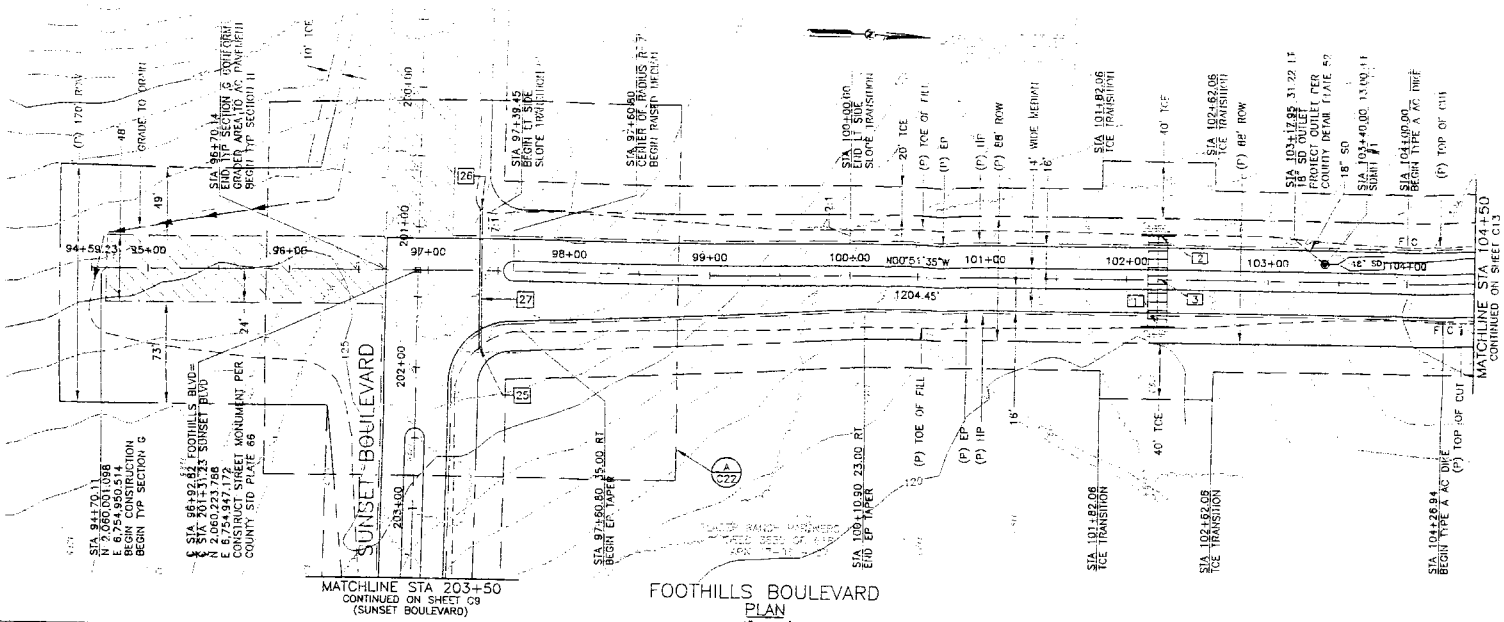
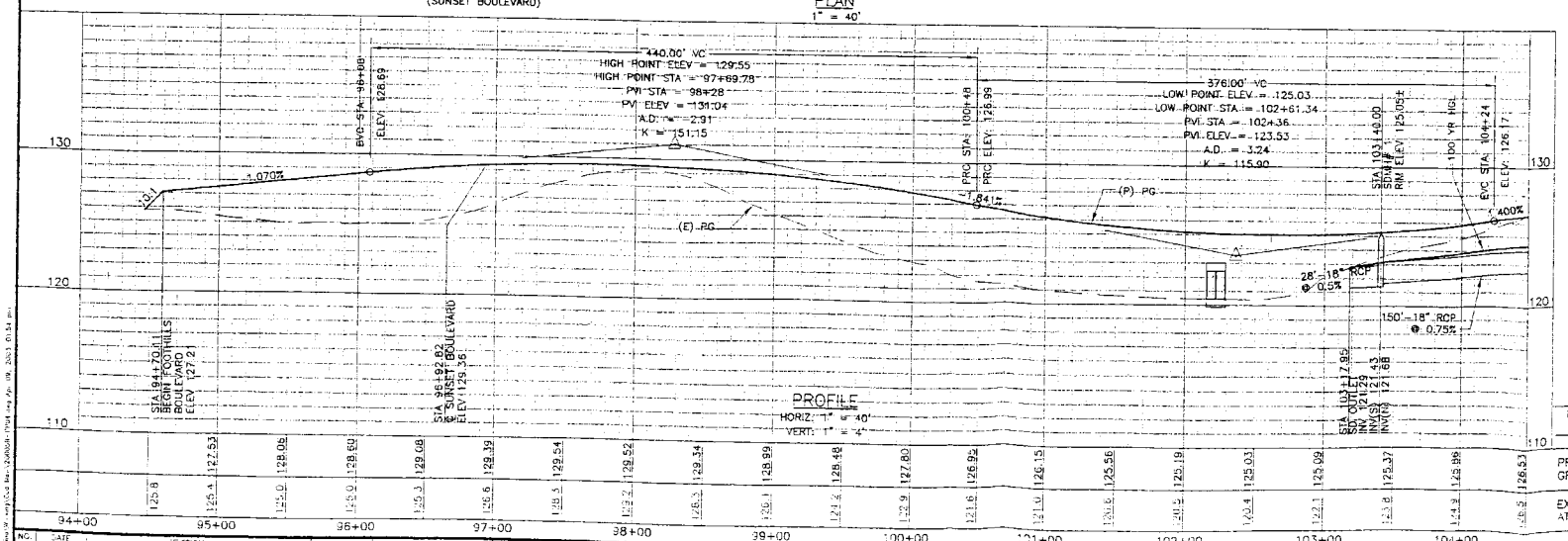
PHASE 2 - OFF-SITE IMPROVEMENTS
THUNDER VALLEY
SUNSET BOULEVARD - PLAN & PROFILE

DRAWING C11 OF C40



FOOTHILLS BOULEVARD
PLAN
1" = 40'



RECORD DRAWINGS

NOTES:

1. OTHE BEARING AND DISTANCES USED ON THESE PLANS ARE REFERENCED TO NAD (EPOCH 1991.35), CALIFORNIA COORDINA SYSTEM OF 1983, ZONE 2.
2. PLAN CONTOURS ARE AT 1' INTERVALS.
3. TYPE A AC DIKE TO BE CONSTRUCTED P PLACER COUNTY STD PLATE 3C-1. FOR AC DIKE/EP TRANSITION SEE DETAIL
4. DROP INLETS SHALL BE CALTRANS INLET TYPE GO UNLESS OTHERWISE SPECIFIED.
5. ALL STORM DRAIN PIPE SHALL BE CLASS RCP UNLESS OTHERWISE NOTED.
6. ALL SDMH TO BE CONSTRUCTED PER CO DETAIL PLATE 83, AND 48"ø UNLESS OTHERWISE NOTED.

CONSTRUCTION NOTES:

1 STA 102+22.02 33.28 RT (A C39)
CIP BOX CULVERT WINGWALLS
TYPE A PER CALTRANS STD
PLAN D84 INV 120.07
PLACE 6' OF RSP AT OUTLET

2 STA 102+22.02 32.72 LT (A C39)
CIP BOX CULVERT WINGWALLS
TYPE A PER CALTRANS STD
PLAN D84
PLACE 6' OF RSP AT INLET

3 CULVER

25 STA 97+37.39 53.44 RT
RCP (CLASS III)
INSTALL TYPE A FLARED END SECTION
(SEE CALTRANS STD PLAN D94B)

26 STA 97+37.39 43.54 LT
RCP (CLASS III)
INSTALL TYPE A FLARED END SECTION
(SEE CALTRANS STD PLAN D94B)

27 RCP (CLASS III)

AC PAVEMENT

NO.	DATE	REVISION	BY

	BY	CHECKED
DESIGNED	R. OLSON	A. OLSON
DRAWN	J. GILBERG	A. OLSON
QUANTITIES	R. OLSON	V. SUNADA

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0 1 2 3
ORIGINAL SCALE IS IN INCHES FOR PRODUCT PLANS

REGISTERED PROFESSIONAL ENGINEER
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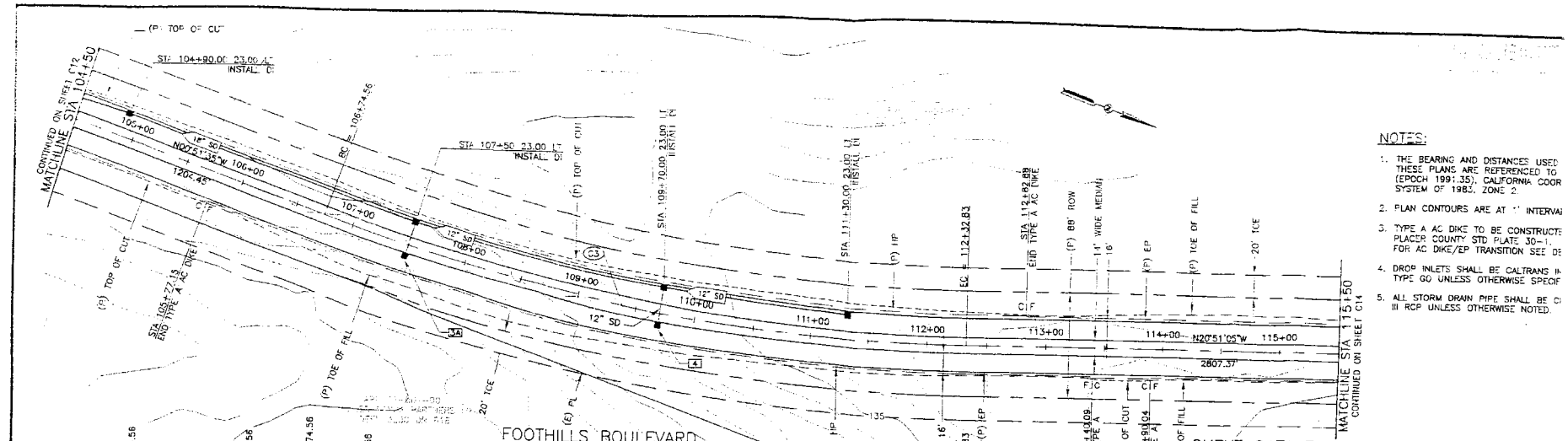
PHASE 2 - OFF-SITE IMPROVEMENTS
THUNDER VALLEY
FOOTHILLS BLVD. - PLAN & PROFILE
STA 94+70.11 TO STA 104+50

DRAWING
C12
OF
C40
DRAWING

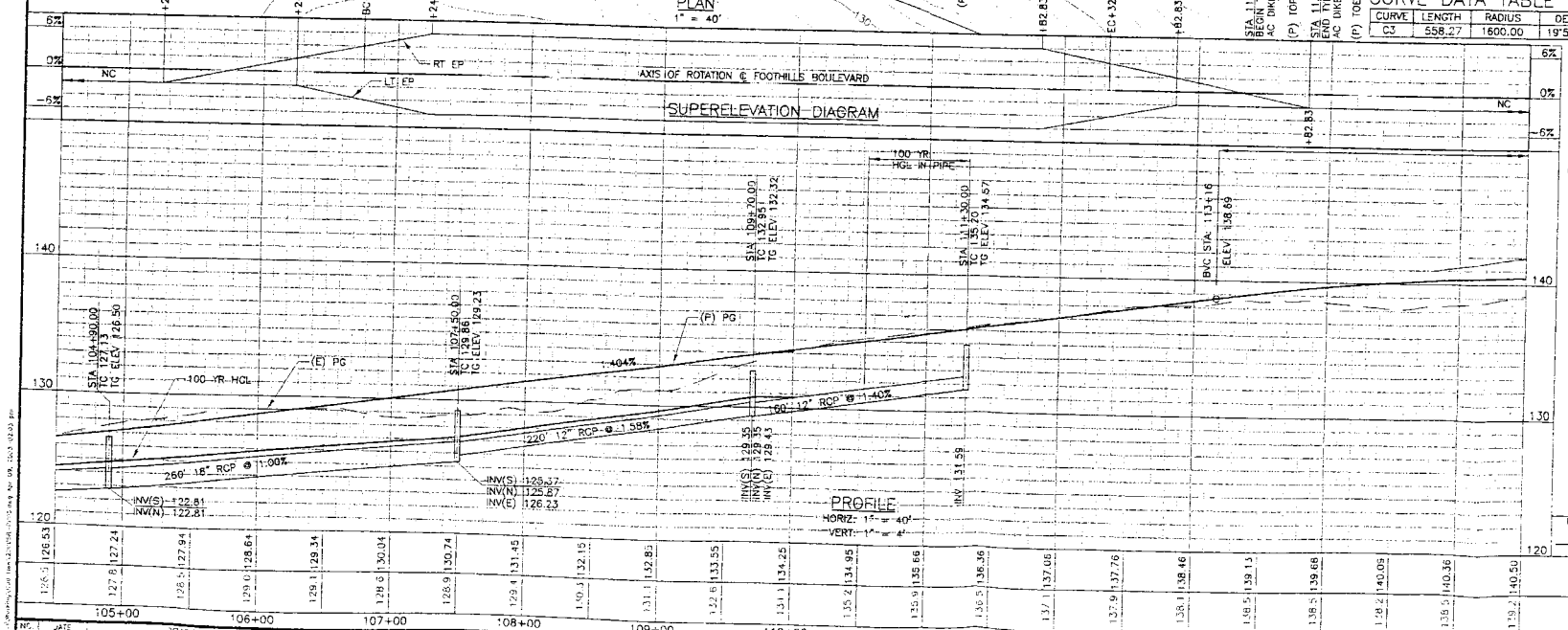


NOTES:

1. THE BEARING AND DISTANCES USED THESE PLANS ARE REFERENCED TO (EPOCH 1991.35), CALIFORNIA COOR SYSTEM OF 1983, ZONE 2.
2. PLAN CONTOURS ARE AT 1' INTERVAL
3. TYPE A AC DIKE TO BE CONSTRUCTE PLACER COUNTY STD PLATE 30-1. FOR AC DIKE/EP TRANSITION SEE DE
4. DROP INLETS SHALL BE CALTRANS IN TYPE GO UNLESS OTHERWISE SPECIF
5. ALL STORM DRAIN PIPE SHALL BE CI III RCP UNLESS OTHERWISE NOTED.

CURVE DATA TABLE

CURVE	LENGTH	RADIUS	DELTA	TANGENT	PI-NORTHING	PI-EA
C3	558.27	1600.00	19°59'30"	282.00	2,061,487.384	6,754,[illegible]



DROP INLET

3A STA 107+50.00
OFFSET 7.00 RT
TC 131.66
TG ELEV 131.03
INV 128.03
30'-12" RCP
S= 6.00%

4 STA 109+70.00
OFFSET 7.00 RT
TC 133.91
TG ELEV 133.28
INV 129.73
30'-12" RCP
S = 1.00%

AC PAVEMENT

RECORD DRAWINGS

PROP PROFILE GRADE AT ℄	126.53	127.24	127.94	128.64	129.34	130.04	130.74	131.45	132.15	132.85	133.55	134.25	134.95	135.66	136.36	137.06	137.76	138.46	139.13	139.68	140.05	140.36	140.50
EXIST PROFILE AT GRADE ℄	126.3	127.8	128.5	129.0	129.1	129.8	128.9	129.4	130.3	131.1	132.6	133.1	135.2	135.9	136.5	137.1	137.9	138.1	138.5	138.5	138.2	138.9	139.2

NO.	DATE	REVISION	BY

	BY	CHECKED
DESIGNED	R. OLSON	A. OLSON
DRAWN	J. GILBERG	A. OLSON
QUANTITIES	R. OLSON	V. SUNADA

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0 1 2 3
PROVIDE SCALE IN INCHES FOR REDUCED PLANS

REGISTERED PROFESSIONAL ENGINEER
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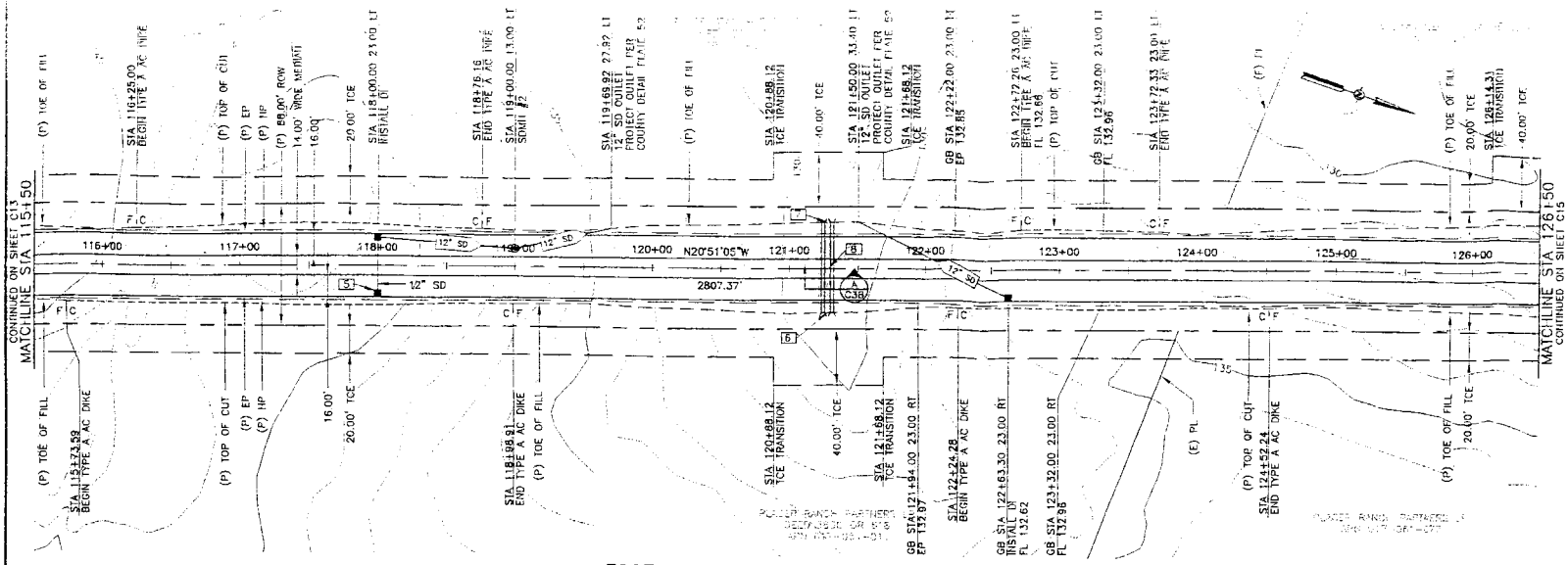
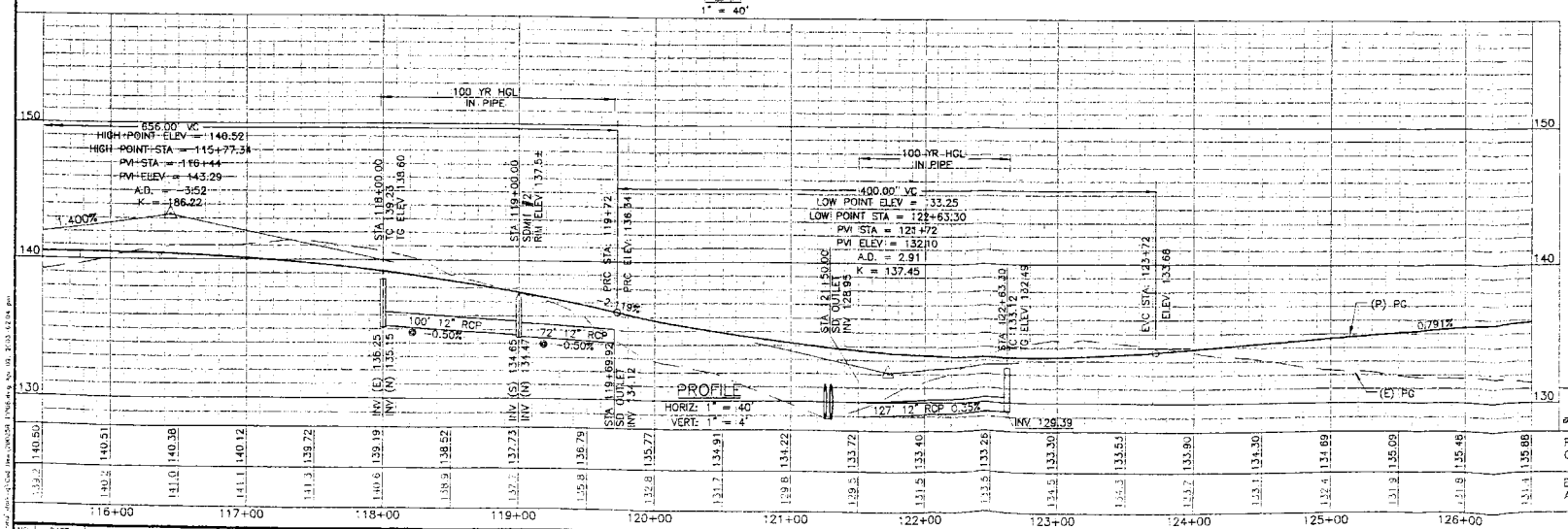
PHASE 2 – OFF-SITE IMPROVEMENTS
THUNDER VALLEY
FOOTHILLS BLVD – PLAN & PROFILE
STA 104+50 TO STA 115+50

DRAWING C13
OF C40
REVISION



FOOTHILLS BOULEVARD
PLAN
1" = 40'



NOTES:

1. THE BEARING AND DISTANCES USED C THESE PLANS ARE REFERENCED TO N (EPOCH 1991.35), CALIFORNIA COORD SYSTEM OF 1983, ZONE 2.
2. PLAN CONTOURS ARE AT 1' INTERVALS
3. STATION AND OFFSET INFORMATION FO CULVERTS ARE TO CENTERLINE OF PIP
4. TYPE A AC DIKE TO BE CONSTRUCTED PLACER COUNTY STD PLATE 30-1. FOR AC DIKE/EP TRANSITION SEE DET
5. DROP INLETS SHALL BE CALTRANS INL TYPE GO UNLESS OTHERWISE SPECIFIE
6. ALL STORM DRAIN PIPE, SHALL BE CL UNLESS OTHERWISE NOTED.
7. ALL SDMH TO BE CONSTRUCTED PER DETAIL PLATE 83, AND 48" ø UNLESS OTHERWISE NOTED.

CONSTRUCTION NOTES:

[6] STA 121+28.12 32.25 RT
RCP (CLASS III)
INSTALL TYPE A FLARED END SECTIO
(SEE CALTRANS STD PLAN D94B)

[7] STA 121+28.12 33.06 LT
RCP (CLASS III)
INSTALL TYPE A FLARED END SECTIO
(SEE CALTRANS STD PLAN D94B)

[8] RCP (CLASS III)

DROP INLET

[5] STA 118+00.00
OFFSET 23.00 RT
TC 139.23
TG ELEV 138.60
INV 135.71
46' 12" RCP
S=1.00%

AC PAVEMENT

RECORD DRAWINGS

NO.	DATE	REVISION	BY

	BY	CHECKED
DESIGNED	R. OLSON	V. SUNADA
DRAWN	V. GILBERG	V. SUNADA
QUANTITIES	R. OLSON	V. SUNADA

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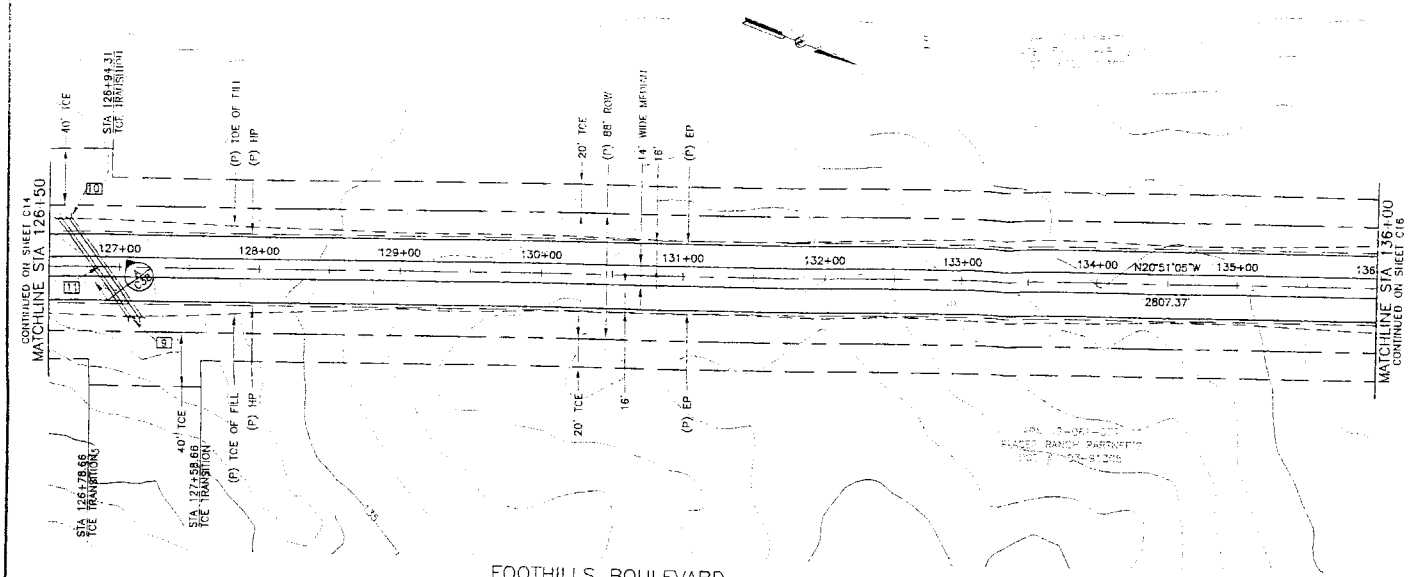
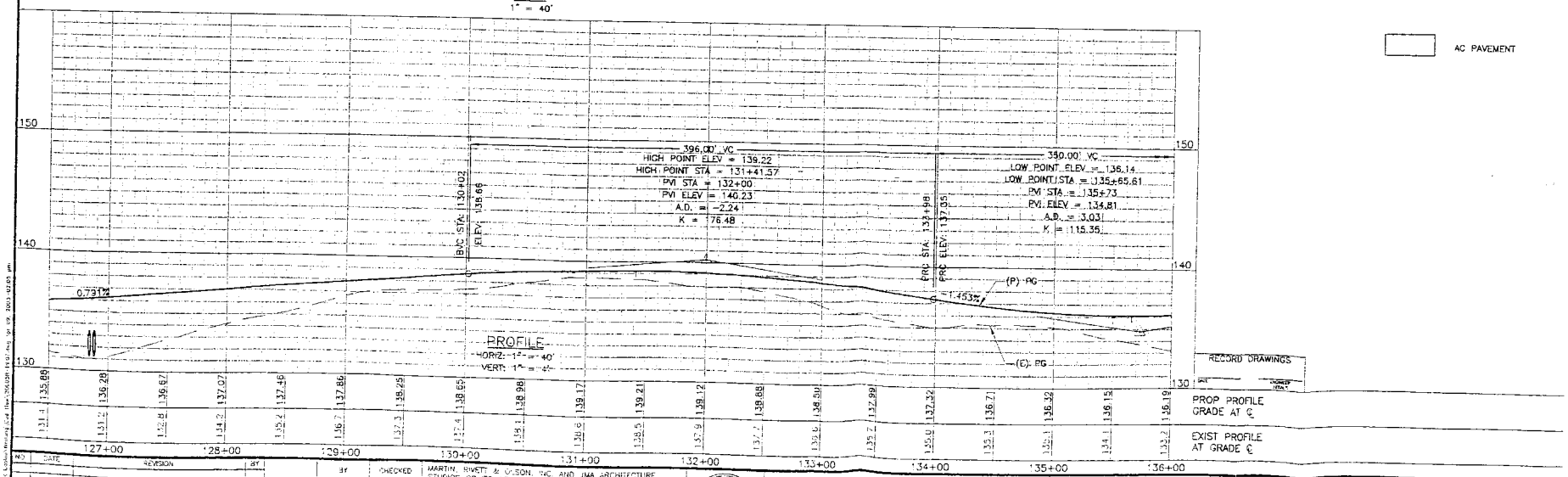
PHASE 2 - OFF-SITE IMPROVEMENTS
THUNDER VALLEY
FOOTHILLS BLVD - PLAN & PROFILE
STA 115+50 TO STA 126+50

DRAWING C14 OF C40



FOOTHILLS BOULEVARD
PLAN
1" = 40'



NOTES:

1. THE BEARING AND DISTANCES USED ON THESE PLANS ARE REFERENCED TO NA (EPOCH 1991.35), CALIFORNIA COORDI SYSTEM OF 1983, ZONE 2.
2. PLAN CONTOURS ARE AT 1' INTERVALS.
3. STATION AND OFFSET INFORMATION FOR CULVERTS ARE TO CENTERLINE OF PIPI

CONSTRUCTION NOTES:

9 STA 127+10.59 33.15 RT
RCP (CLASS III)
INSTALL TYPE A FLARED END SECTIO
(SEE CALTRANS STD PLAN D94B)
INV 131.88

10 STA 126+81.49 33.99 LT
RCP (CLASS III)
INSTALL TYPE A FLARED END SECTIO
(SEE CALTRANS STD PLAN D94B)
INV 130.96

11 RCP (CLASS III)

AC PAVEMENT

NO	DATE	REVISION	BY

	BY	CHECKED
DESIGNED	R. OLSON	A. OLSON
DRAWN	J. GILBERG	A. OLSON
QUANTITIES	R. OLSON	V. SUNADA

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ORIGINAL SCALE IS 22 INCHES FOR REDUCED PLANS

REGISTERED PROFESSIONAL ENGINEER Ron Gerner Dean No. 051468 EXP. 3/30/05 CIVIL STATE OF CALIFORNIA

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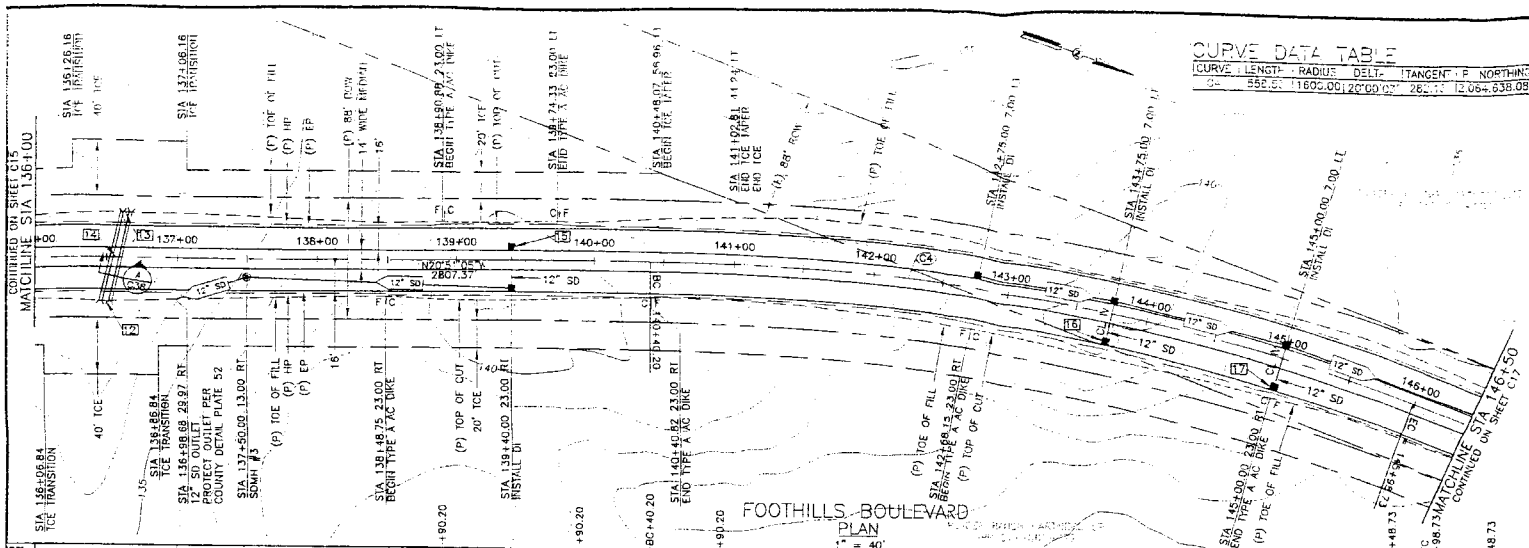
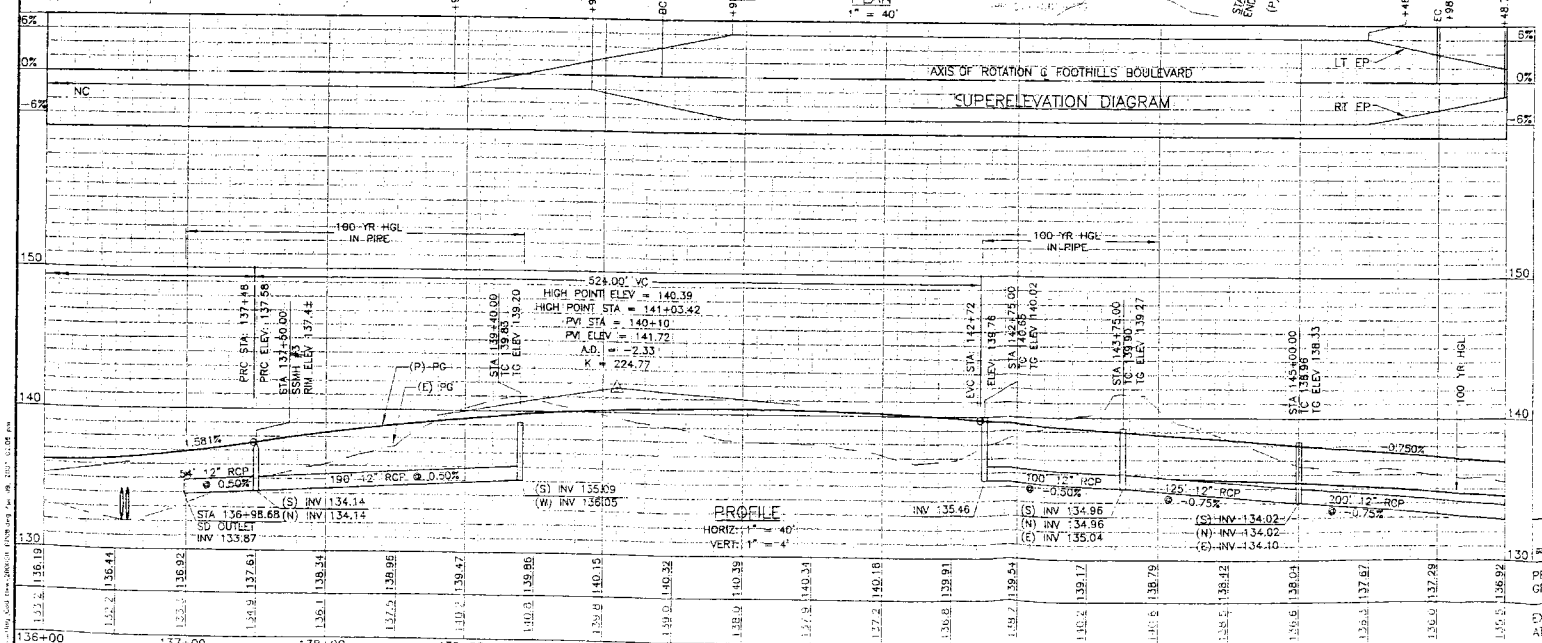
PHASE 2 – OFF-SITE IMPROVEMENTS
THUNDER VALLEY
FOOTHILLS BLVD – PLAN & PROFILE
STA 126+50 TO STA 136+00

DRAWING C15 OF C40



CURVE DATA TABLE

CURVE	LENGTH	RADIUS	DELTA	TANGENT	P.R. NORTHING	P.R. EASTING
C4	558.53	1600.00	20°00'02"	282.[illegible]	12,064,638.08	516,755.72



NOTES:

1. THE BEARING AND DISTANCES USED O THESE PLANS ARE REFERENCED TO N (EPOCH 1991.35), CALIFORNIA COORDI SYSTEM OF 1983, ZONE 2.
2. PLAN CONTOURS ARE AT 1' INTERVALS
3. STATION AND OFFSET INFORMATION FO CULVERTS IS TO CENTERLINE OF PIPE
4. TYPE A AC DIKE TO BE CONSTRUCTED PLACER COUNTY STD PLATE 30-1. FOR AC DIKE/EP TRANSITION SEE DET
5. DROP INLETS SHALL BE CALTRANS INL TYPE G0 UNLESS OTHERWISE SPECIFIE
6. ALL STORM DRAIN PIPE SHALL BE CLA UNLESS OTHERWISE SPECIFIED.
7. ALL SDMH TO BE CONSTRUCTED PER COUNTY DETAIL PLATE 83 AND 48"ø UNLESS OTHERWISE NOTED

CONSTRUCTION NOTES:

12 STA 136+49.65 31.68 RT
RCP (CLASS III)
INSTALL TYPE A FLARED END SECTIC
(SEE CALTRANS STD PLAN D94B)

13 STA 136+63.22 32.34 LT
RCP (CLASS III)
INSTALL TYPE A FLARED END SECTIC
(SEE CALTRANS STD PLAN D94B)

14 RCP (CLASS III)

DROP INLETS:

15 STA 139+40.00
OFFSET 7.00 LT
TC 140.29
TG ELEV 139.66
INV 136.35
30'-12" RCP
S = 1.00%

16 STA 143+75.00
OFFSET 23.00 RT
TC 138.10
TG ELEV 137.47
INV 135.34
30'-12" CL IV RCP
S = 1.00%

17 STA 145+00.00
OFFSET 23.00 RT
TC 137.16
TG ELEV 136.53
INV 134.40
30'-12" CL IV RCP
S = 1.00%

RECORD DRAWINGS

NO.	DATE	REVISION	BY

	BY	CHECKED
DESIGNED	R. OLSON	A. OLSON
DRAWN	J. GILBERG	A. OLSON
QUANTITIES	R. OLSON	V. GUNADA

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REGISTERED PROFESSIONAL ENGINEER — No. 044496 — 10-3-2006 — CIVIL — STATE OF CALIFORNIA

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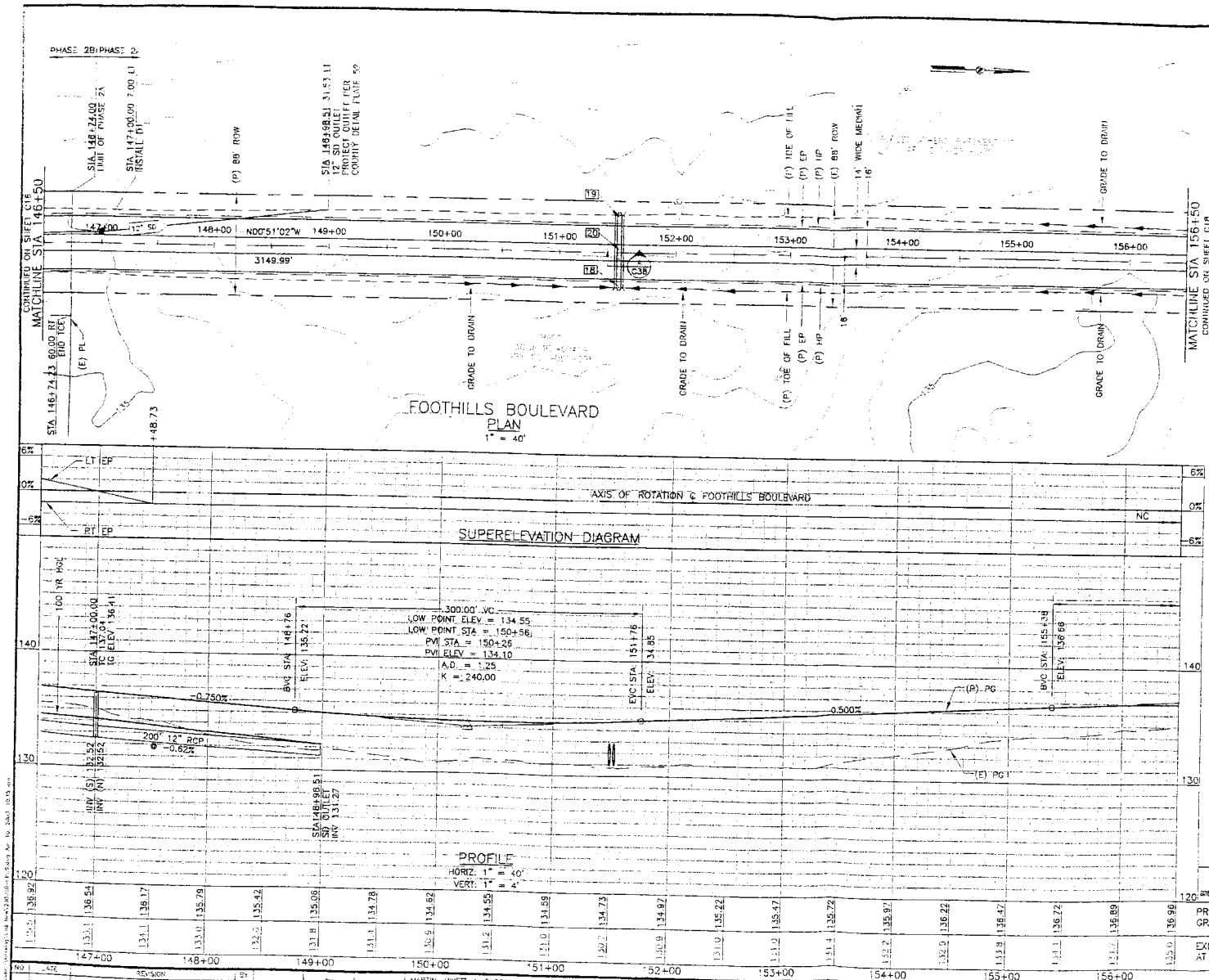
PHASE 2 - OFF-SITE IMPROVEMENTS
THUNDER VALLEY
FOOTHILLS BLVD - PLAN & PROFILE
STA 136+00 TO STA 146+50

DRAWING C16 OF C40



NOTES:

1. THE BEARING AND DISTANCES USED O THESE PLANS ARE REFERENCED TO NA (EPOCH 1991.35), CALIFORNIA COORDI SYSTEM OF 1983, ZONE 2.
2. PLAN CONTOURS ARE AT 1' INTERVALS.
3. STATION AND OFFSET INFORMATION FOR CULVERTS IS TO CENTERLINE OF PIPES
4. TYPE A AC DIKE TO BE CONSTRUCTED PLACER COUNTY STD PLATE 30-1. FOR AC DIKE/EP TRANSITION SEE DETA
5. DROP INLETS SHALL BE CALTRANS INLE TYPE GO UNLESS OTHERWISE SPECIFIED
6. ALL STORM DRAIN PIPE SHALL BE CLA UNLESS OTHERWISE SPECIFIED.
7. ALL SDMH TO BE CONSTRUCTED PER COUNTY DETAIL PLATE 83 AND 48"ø UNLESS OTHERWISE NOTED

CONSTRUCTION NOTES:

18 STA 151+51.37 30.76 RT
RCP (CLASS III)
INSTALL TYPE A FLARED END SECTIO
(SEE CALTRANS STD PLAN D94B)

19 STA 151+51.37 32.13 LT
RCP (CLASS III)
INSTALL TYPE A FLARED END SECTIO
(SEE CALTRANS STD PLAN D94B)

20 RCP (CLASS III)

NO	DATE	REVISION	BY		BY	CHECKED
				DESIGNED	R. OLSON	A. OLSON
				DRAWN	J. GILBERG	A. OLSON
				QUANTITIES	R. OLSON	V. SUNADA

MARTIN, RIVETT & OLSON, INC. AND JMA ARCHITECTURE STUDIOS OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.

REGISTERED PROFESSIONAL ENGINEER
Ann Cooper Olson
No. 0034436
EXP. 9/30/03
CIVIL
STATE OF CALIFORNIA

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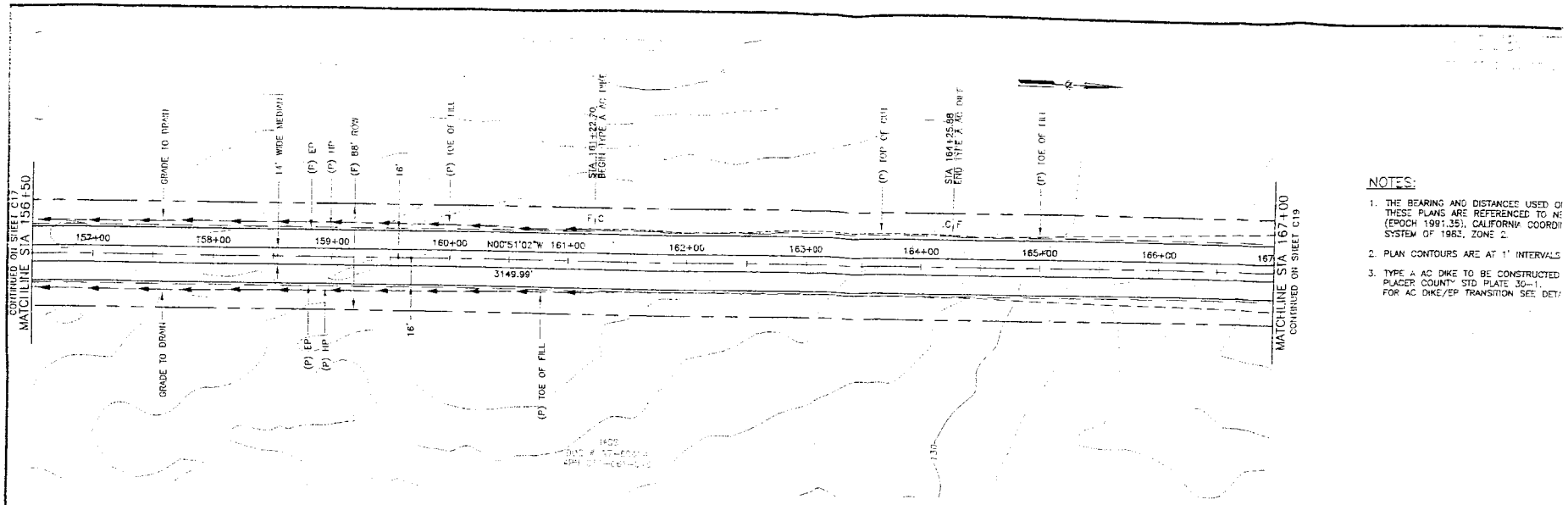
PHASE 2 - OFF-SITE IMPROVEMENTS
THUNDER VALLEY
FOOTHILLS BLVD - PLAN & PROFILE
STA 146+50 TO STA 156+50

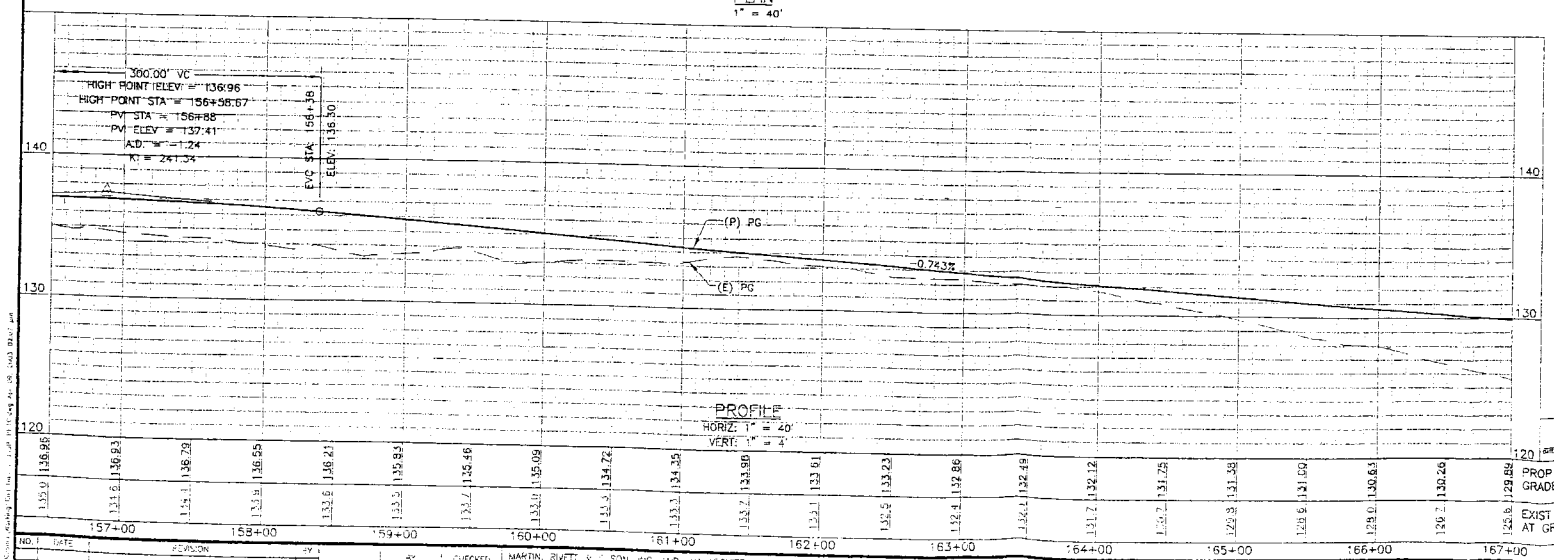
DRAWING C17 OF C40



NOTES:

1. THE BEARING AND DISTANCES USED O THESE PLANS ARE REFERENCED TO N (EPOCH 1991.35), CALIFORNIA COORDI SYSTEM OF 1983, ZONE 2.
2. PLAN CONTOURS ARE AT 1' INTERVALS
3. TYPE A AC DIKE TO BE CONSTRUCTED PLACER COUNTY STD PLATE 30-1. FOR AC DIKE/EP TRANSITION SEE DET

FOOTHILLS BOULEVARD
PLAN
1" = 40'



PROFILE
HORIZ. 1" = 40'
VERT. 1" = 4'

PROP PROFILE GRADE AT ℄	136.96	136.93	136.79	136.55	136.21	135.83	135.46	135.09	134.72	134.35	133.98	133.61	133.23	132.86	132.49	132.12	131.75	131.38	131.00	130.63	130.26	129.89
EXIST PROFILE AT GRADE ℄	135.0	134.8	134.1	133.8	133.6	133.5	133.7	133.8	133.9	133.9	133.7	133.1	132.5	132.4	132.1	131.7	131.2	130.3	129.5	129.0	130.2	125.6

RECORD DRAWINGS
DATE | DRAWING NUMBER

NO.	DATE	REVISION	BY

	BY	CHECKED
DESIGNED	R. OLSON	A. OLSON
DRAWN	J. GILBERG	A. OLSON
QUANTITIES	R. OLSON	V. SUNADA

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ORIGINAL SCALE 22 x 34 INCHES IF REDUCED, IT IS

REGISTERED PROFESSIONAL ENGINEER — Ann Gopher Olson — No. 17344896 — Exp. 3/30/03 — CIVIL — STATE OF CALIFORNIA

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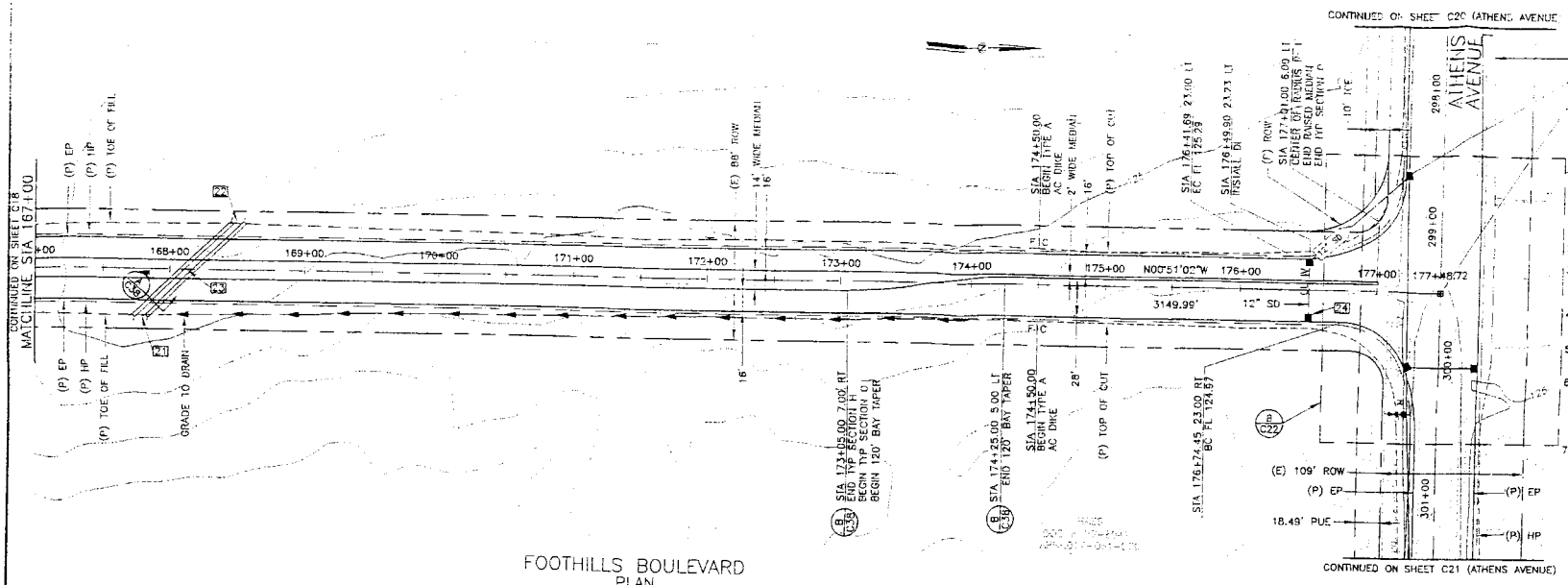
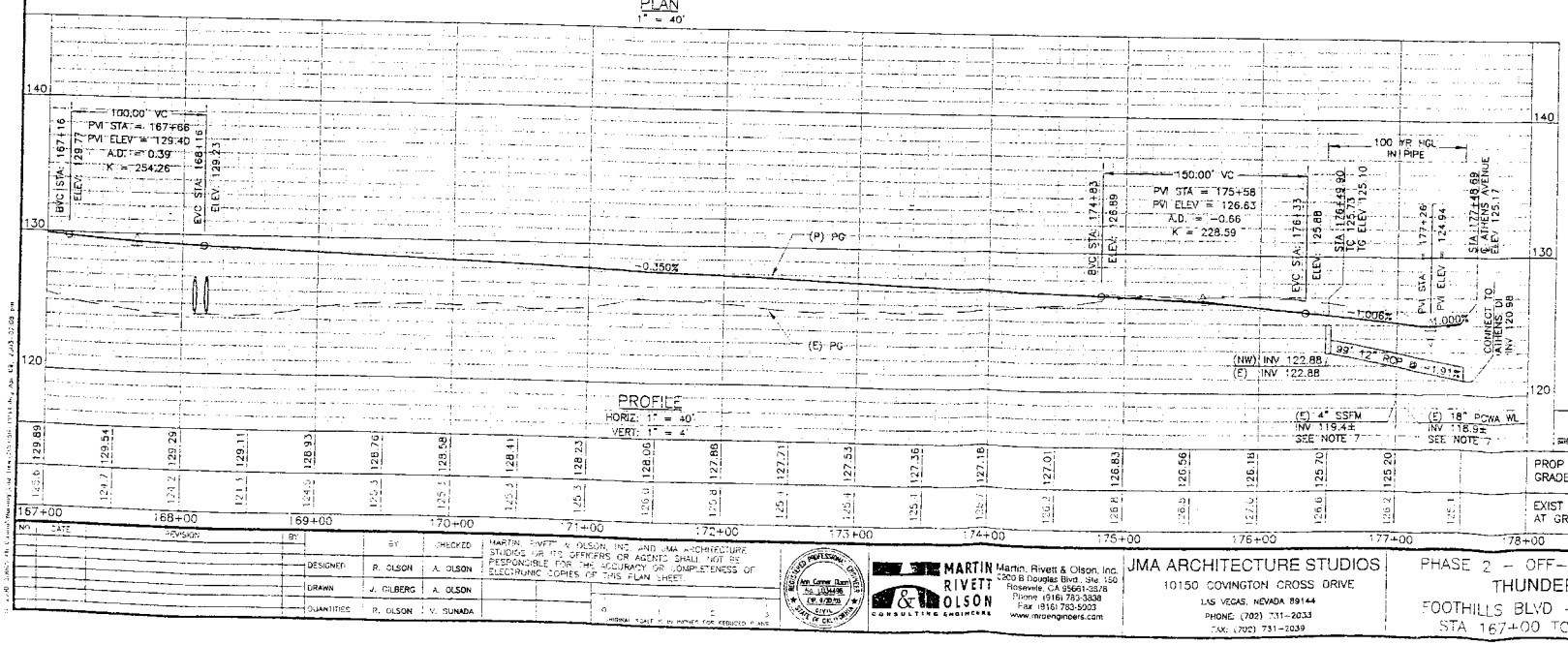
PHASE 2 – OFF-SITE IMPROVEMENTS
THUNDER VALLEY
FOOTHILLS BLVD – PLAN & PROFILE
STA 156+50 TO STA 167+00

DRAWING C18 OF C40



FOOTHILLS BOULEVARD
PLAN
1" = 40'



PROFILE
HORIZ: 1" = 40'
VERT: 1" = 4'

NOTES:

1. THE BEARING AND DISTANCES USE THESE PLANS ARE REFERENCED TO (EPOCH 1991.35), CALIFORNIA COO SYSTEM OF 1983, ZONE 2.
2. PLAN CONTOURS ARE AT 1' INTER
3. STATION AND OFFSET INFORMATION RCP CULVERTS IS TO CENTERLINE OF PIPES.
4. DROP INLETS SHALL BE CALTRANS TYPE GO UNLESS OTHERWISE SPEC
5. ALL STORM DRAIN PIPE SHALL BE RCP UNLESS OTHERWISE NOTED.
6. TYPE A AC DIKE TO BE CONSTRUC PLACER COUNTY STD PLATE 30-1 FOR AC DIKE/EP TRANSITION SEE D
7. (E) UNDERGROUND 18" PCWA WL A SSFM SHOWN IN APPROXIMATE LOC ONLY. CONTRACTOR TO CONFIRM LO AND ELEVATION PRIOR TO CONSTRU CONTRACTOR TO MAINTAIN A MINIMU 30" COVER OVER WATERLINE AND 1 MINIMUM CLEARANCE AT CROSSINGS ALL OTHER UTILITIES. CONTRACTOR POTHOLE EXISTING 4" SSFM TO VER LOCATION PRIOR TO START OF WORI THE LOCATION IS DIFFERENT THAN ON PLANS, THE CONTRACTOR SHALL THE DESIGN ENGINEER FOR EVALUA IMPACTS TO THE FORCE MAIN BY TH CONSTRUCTION. THE DESIGN ENGINE SHALL COORDINATE ANY REQUIRED REVISIONS WITH PLACER COUNTY PR START OF WORK IN THIS AREA.

CONSTRUCTION NOTES:

2.1 STA 167+79.29 33.35 RT
RCP (CLASS III)
INSTALL TYPE A FLARED END SECT
(SEE CALTRANS STD PLAN D94B)

2.2 STA 168+50.11 34.89 LT
RCP (CLASS III)
INSTALL TYPE A FLARED END SECT
(SEE CALTRANS STD PLAN D94B)

2.3 RCP (CLASS III)

DROP INLETS:

2.4 STA 176+50.04
OFFSET 33.00 RT
TC 125.74
TG ELEV 125.11
INV 123.11
48"-12" CL IV RCP
S = 0.50%

RECORD DRAWINGS

NO.	DATE	REVISION	BY	CHECKED

	BY	CHECKED
DESIGNED	R. OLSON	A. OLSON
DRAWN	J. GILBERG	A. OLSON
QUANTITIES	R. OLSON	V. SUNADA

MARTIN RIVETT & OLSON, INC. AND JMA ARCHITECTURE STUDIOS DO NOT OFFERERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.

ORIGINAL SCALE IS IN INCHES FOR REDUCED PLANS

REGISTERED PROFESSIONAL ENGINEER
Ann Conner Bunn
No. 034498
EXP. 6/30/09
CIVIL
STATE OF CALIFORNIA

MARTIN RIVETT & OLSON
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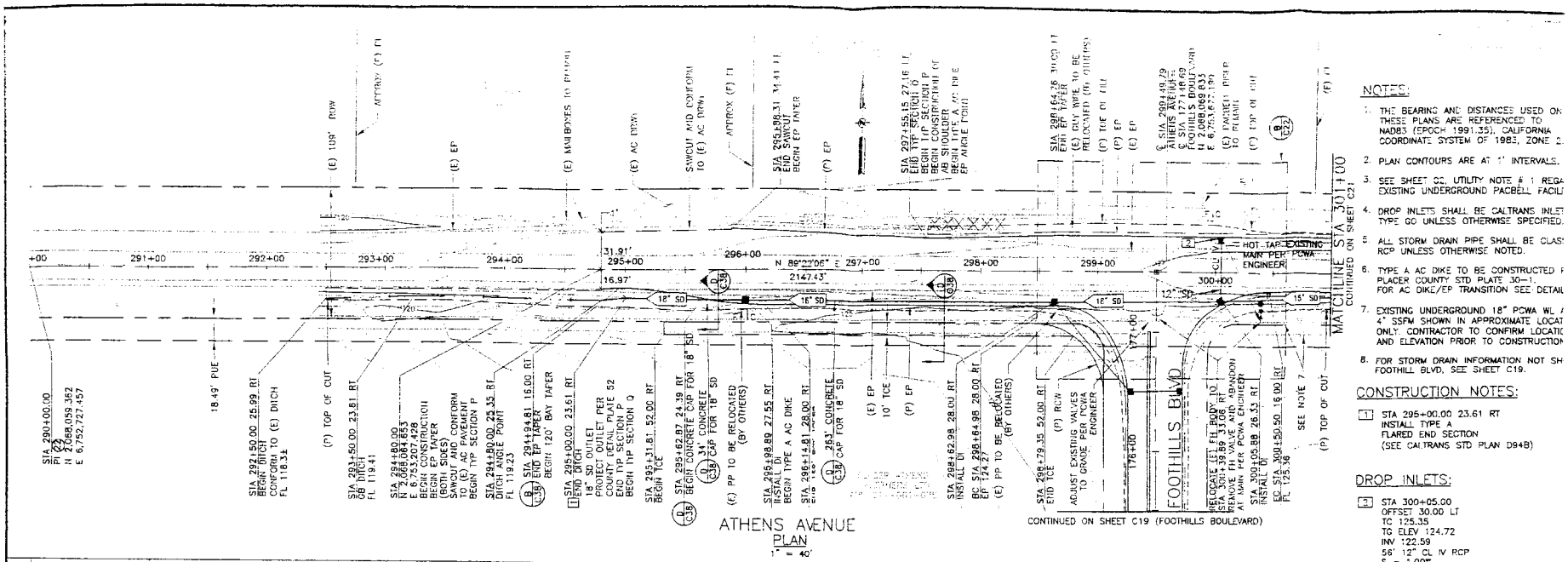
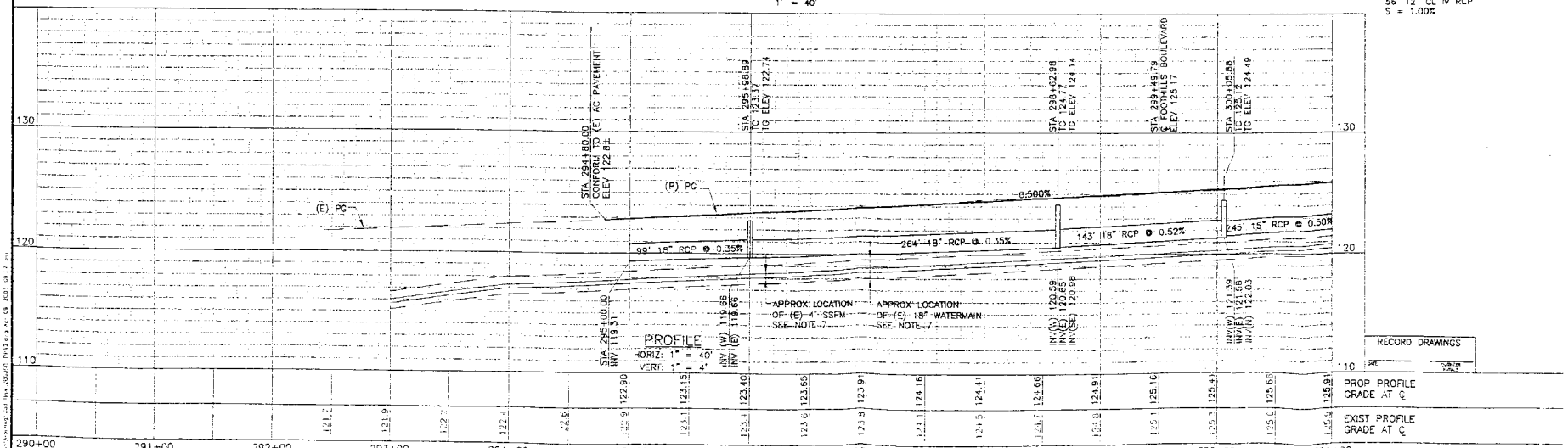
PHONE (702) 731-2033
FAX: (702) 731-2039

PHASE 2 – OFF-SITE IMPROVEMENTS
THUNDER VALLEY
FOOTHILLS BLVD – PLAN & PROFILE
STA 167+00 TO STA 177+48.69

DRAWING C19 OF C40

REVISIONS





RECORD DRAWINGS

DATE	REVISIONS

NOTES:

1. THE BEARING AND DISTANCES USED ON THESE PLANS ARE REFERENCED TO NAD83 (EPOCH 1991.35), CALIFORNIA COORDINATE SYSTEM OF 1983, ZONE 2.
2. PLAN CONTOURS ARE AT 1' INTERVALS.
3. SEE SHEET G2, UTILITY NOTE # 1 REGA EXISTING UNDERGROUND PACBELL FACIL
4. DROP INLETS SHALL BE CALTRANS INLET TYPE GO UNLESS OTHERWISE SPECIFIED.
5. ALL STORM DRAIN PIPE SHALL BE CLAS RCP UNLESS OTHERWISE NOTED.
6. TYPE A AC DIKE TO BE CONSTRUCTED F PLACER COUNTY STD PLATE 30-1. FOR AC DIKE/EP TRANSITION SEE DETAIL
7. EXISTING UNDERGROUND 18" PCWA WL / 4" SSFM SHOWN IN APPROXIMATE LOCAT ONLY. CONTRACTOR TO CONFIRM LOCATIO AND ELEVATION PRIOR TO CONSTRUCTION
8. FOR STORM DRAIN INFORMATION NOT SH FOOTHILL BLVD, SEE SHEET C19.

CONSTRUCTION NOTES:

1. STA 295+00.00 23.61 RT
   INSTALL TYPE A
   FLARED END SECTION
   (SEE CALTRANS STD PLAN D94B)

DROP INLETS:

3. STA 300+05.00
   OFFSET 30.00 LT
   TC 125.35
   TO ELEV 124.72
   INV 122.59
   56' 12" CL IV RCP
   S = 1.00%

NO.	DATE	REVISION	BY		BY	CHECKED
				DESIGNED	R. OLSON	A. OLSON
				DRAWN	C. KIM	A. OLSON
				QUANTITIES	R. OLSON	V. SUNADA

MARTIN, RIVETT & OLSON, INC. AND JMA ARCHITECTURE STUDIOS OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET

REGISTERED PROFESSIONAL ENGINEER — Art Gomez Olson — No. C057496 — Exp. 6/30/03 — CIVIL — STATE OF CALIFORNIA

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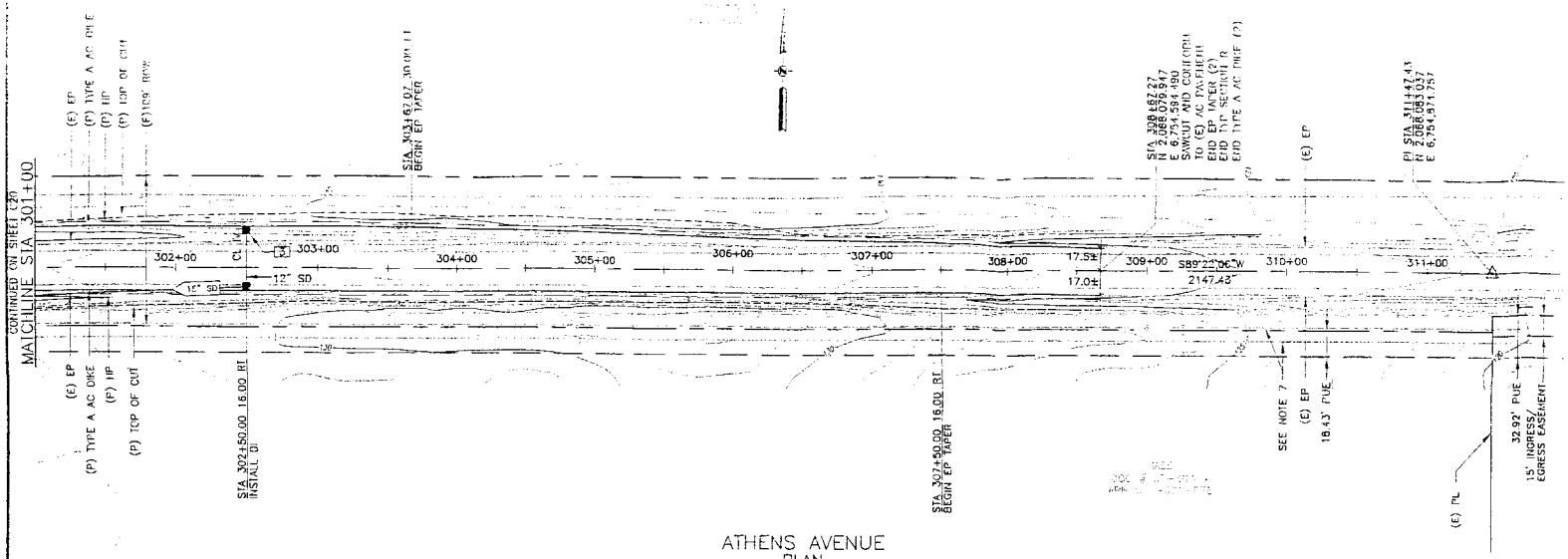
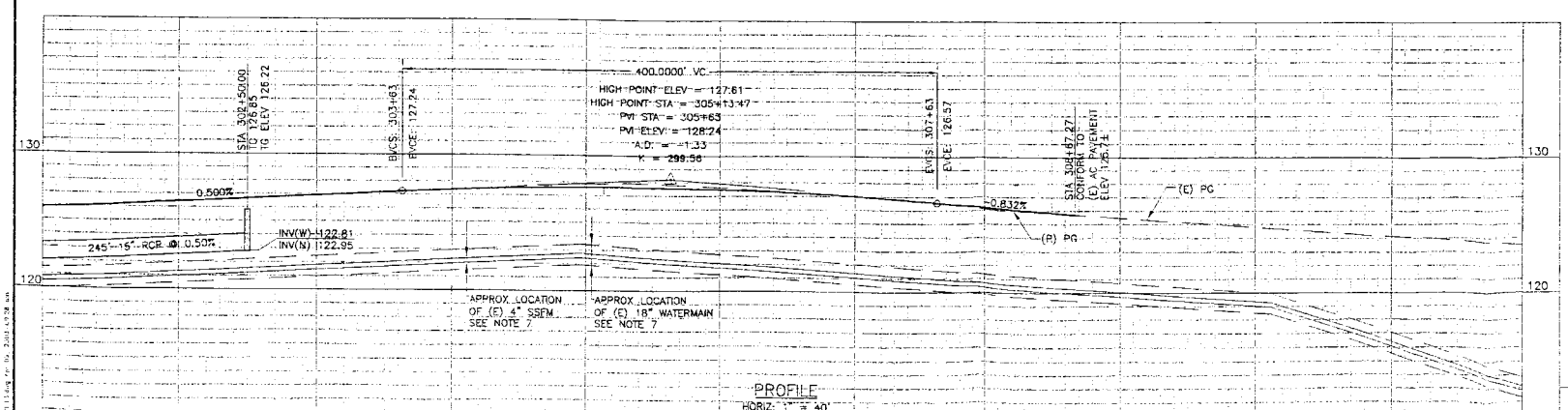
FAX: (702) 731-2039

PHASE 2 – OFF-SITE IMPROVEMENTS
THUNDER VALLEY
ATHENS AVE – PLAN & PROFILE
STA 292+50 TO 301+00

DRAWING C20 – OF – C40



ATHENS AVENUE
PLAN
1" = 40'



PROFILE
HORIZ: 1" = 40'
VERT: 1" = 4'

	301+00	302+00	303+00	304+00	305+00	306+00	307+00	308+00	309+00	310+00	311+00	312+00
PROP PROFILE GRADE AT ℄	126.17	126.42	126.67	126.92	127.17	127.40	127.55	127.61	127.59	127.49	127.30	127.03
EXIST PROFILE GRADE AT ℄	126.1	126.5	126.7	126.9	127.1	127.4	127.7	127.9	127.9	127.6	127.3	127.0

	308+67.27	309+00	310+00	311+00	312+00
PROP PROFILE GRADE AT ℄	126.27	126.85			
EXIST PROFILE GRADE AT ℄	126.1	125.9	125.3	125.2	124.8	124.5	124.2	123.9	123.5

NOTES:

1. THE BEARING AND DISTANCES USED I THESE PLANS ARE REFERENCED TO NAD83 (EPOCH 1991.35), CALIFORNIA COORDINATE SYSTEM OF 1983, ZONE
2. PLAN CONTOURS ARE AT 1' INTERVALS
3. SEE SHEET C2. UTILITY NOTE # 1 RE EXISTING UNDERGROUND PACBELL FAC
4. DROP INLETS SHALL BE CALTRANS INL TYPE GO UNLESS OTHERWISE SPECIFI
5. ALL STORM DRAIN PIPE SHALL BE CL RCP UNLESS OTHERWISE NOTED.
6. TYPE A AC DIKE TO BE CONSTRUCTED PLACER COUNTY STD PLATE 30-1.
7. EXISTING UNDERGROUND 18" PCWA WL 4" SSFM SHOWN IN APPROXIMATE LOC ONLY. CONTRACTOR TO CONFIRM LOCA AND ELEVATION PRIOR TO CONSTRUCTI

DROP INLETS:

[3] STA 302+50.00
OFFSET 30.00 LT
TC 126.57
TG ELEV 125.94
INV 123.41
46'-12" CL IV RCP
S = 1.00%

RECORD DRAWINGS
DATE
SIGNATURE NOTES

NO.	DATE	REVISION	BY

	BY		CHECKED
DESIGNED	R. OLSON	A. OLSON	
DRAWN	C. KIM	A. OLSON	
QUANTITIES	R. OLSON	V. SUNADA	

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REGISTERED PROFESSIONAL ENGINEER
Alan Conner Olson
No. 053498
EXP. 3/30/05
CIVIL
STATE OF CALIFORNIA

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FAX: (702) 731-2039

PHASE 2 – OFF-SITE IMPROVEMENTS
THUNDER VALLEY
ATHENS AVE – PLAN & PROFILE
STA 301+00 TO 308+67.27

DRAWING
C2
OF
C40