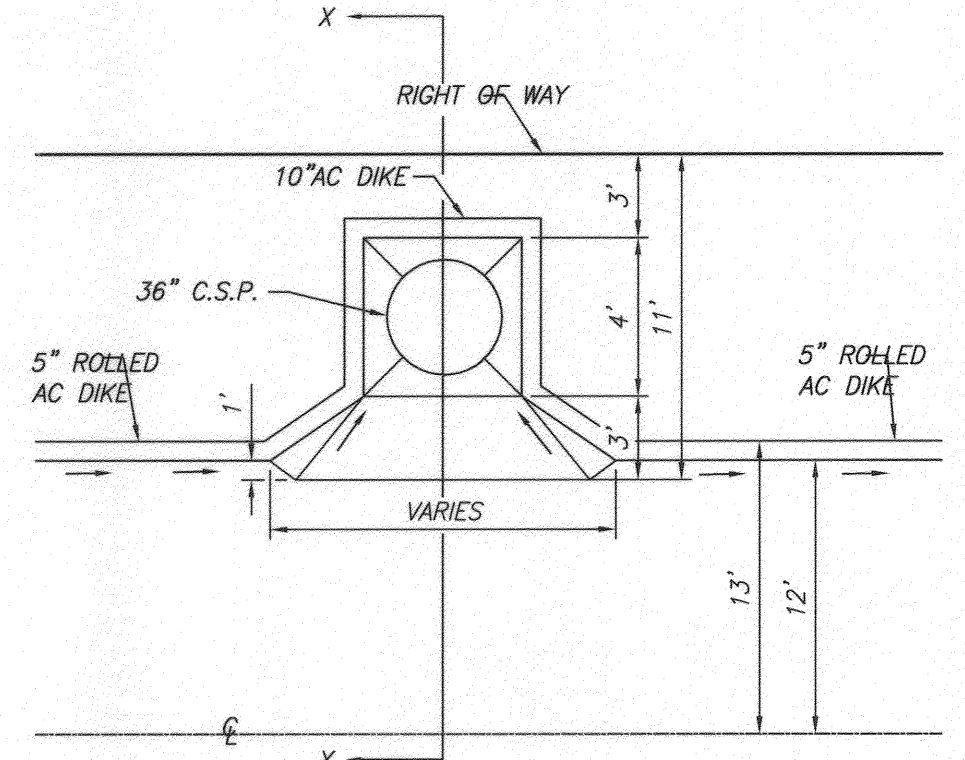
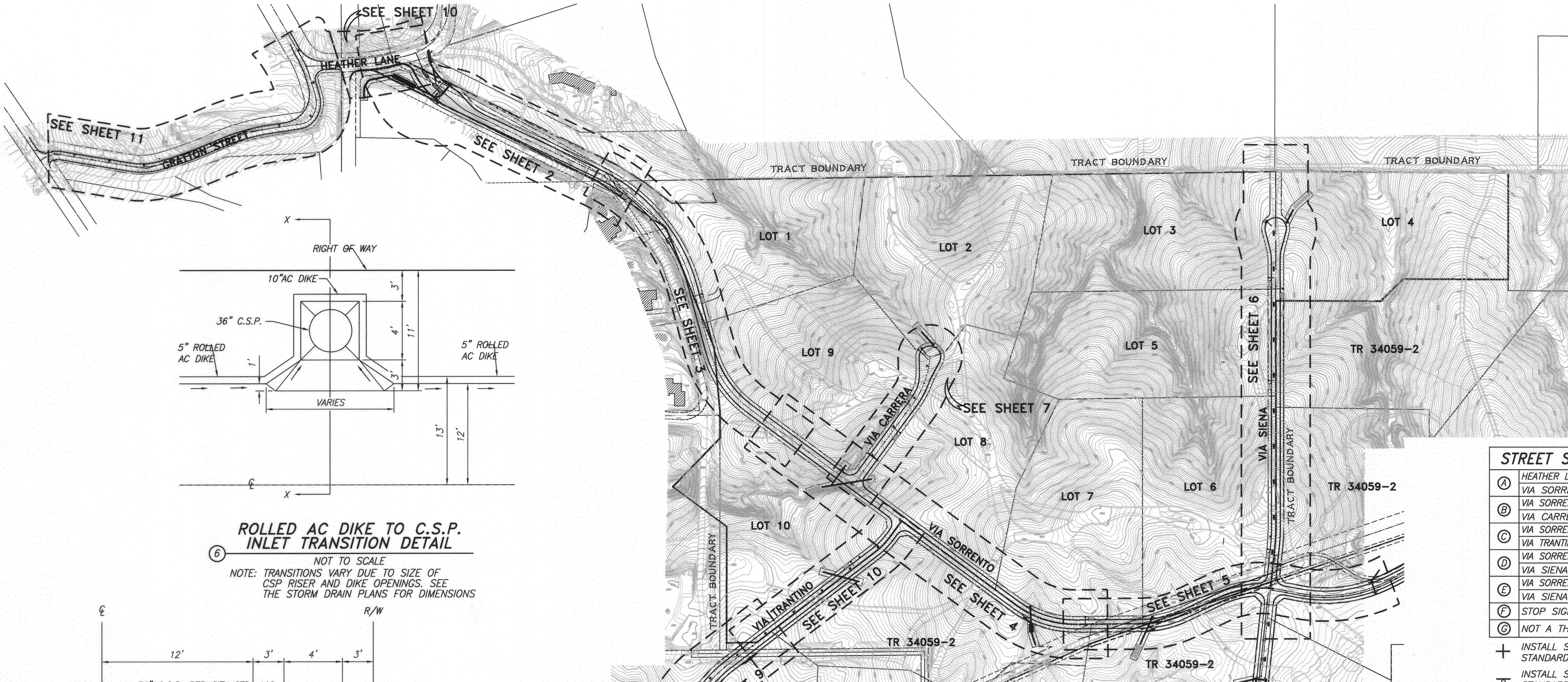


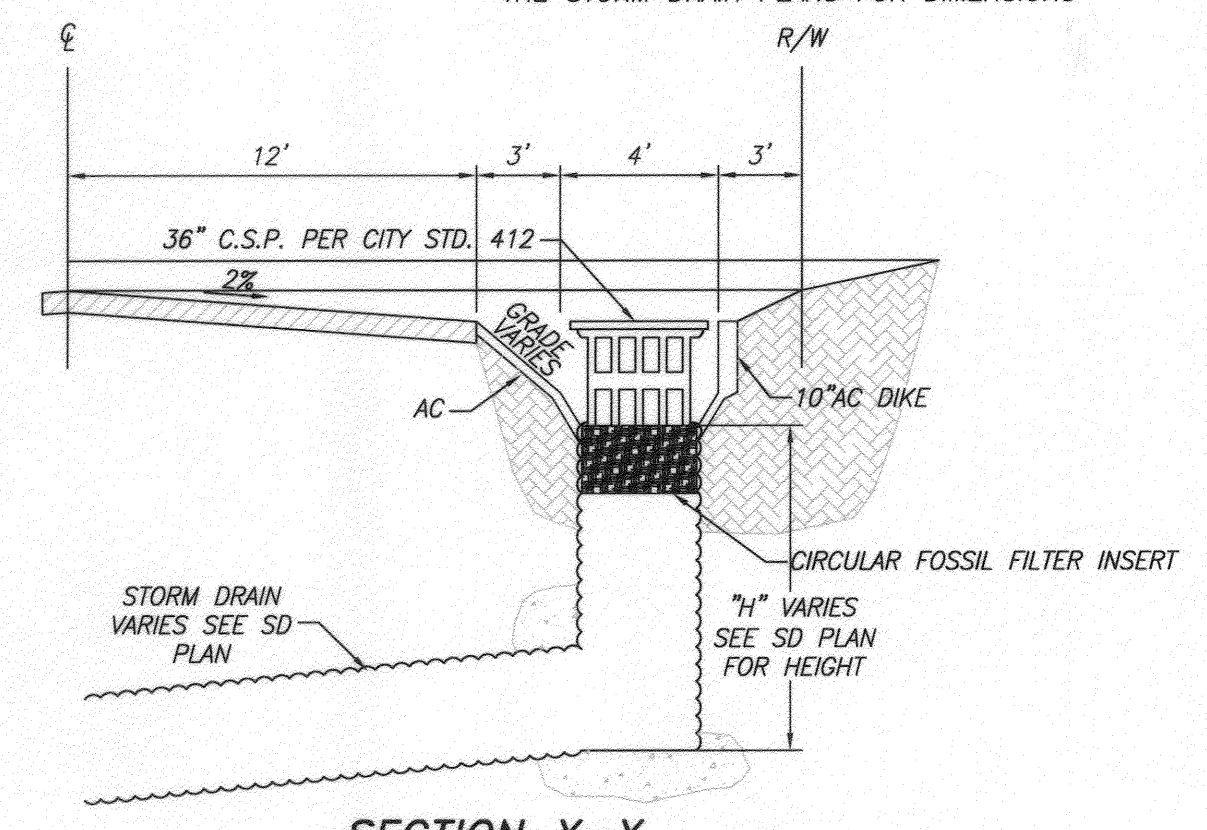
# STREET IMPROVEMENT PLANS FOR: TRACT No. 34059-1 RIVERSIDE, CA.

### STREET CONSTRUCTION GENERAL NOTES

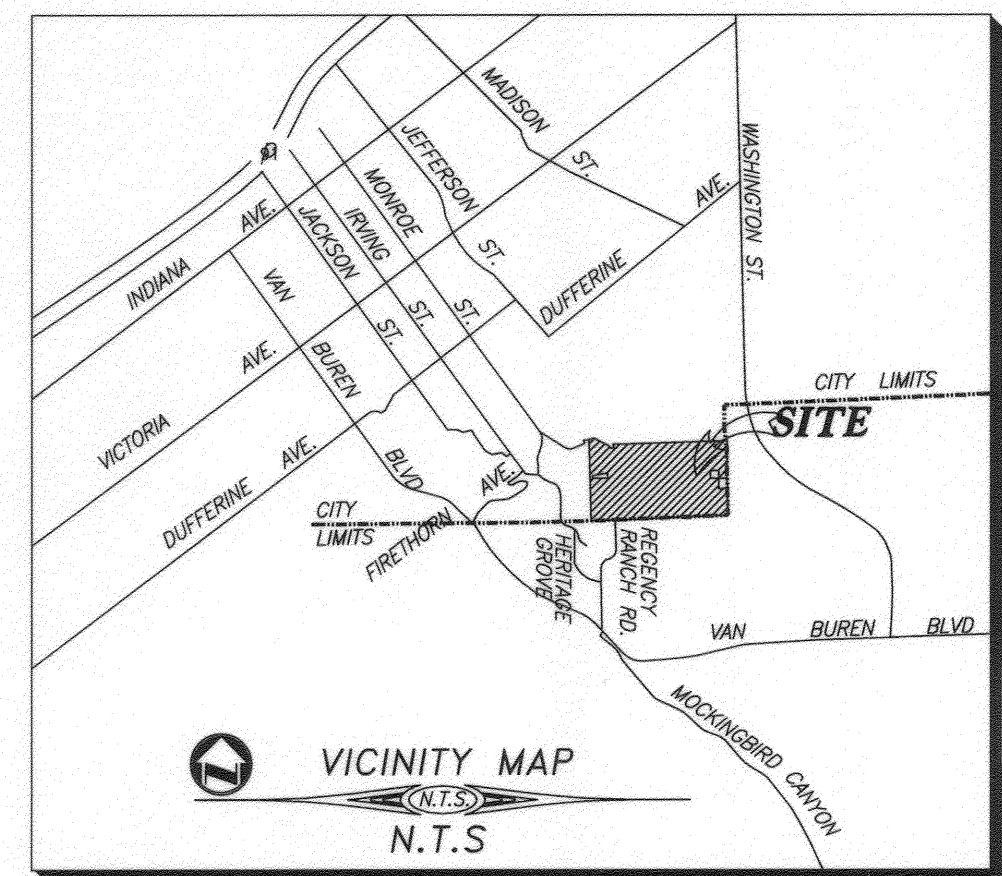
1. NO PERSON SHALL PERFORM ANY CONSTRUCTION ACTIVITY OR INSTALL ANY OBJECTS WITHIN THE PUBLIC RIGHT-OF-WAY OR EASEMENTS OF THE CITY OF RIVERSIDE WITHOUT A VALID CONSTRUCTION PERMIT OR A STREET OPENING PERMIT OR AN ENCROACHMENT PERMIT ISSUED BY THE CITY'S PUBLIC WORKS DEPARTMENT.
2. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO CLEAR THE RIGHT OF WAY IN ACCORDANCE WITH THE PROVISIONS OF LAW AS IT AFFECTS EACH UTILITY INCLUDING IRRIGATION LINES AND APPURTENANCES AND AT NO COST TO THE CITY.
3. CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE CITY OF RIVERSIDE DEPARTMENT OF PUBLIC WORKS STANDARD DRAWINGS, ITS SUPPLEMENTAL NOTES AND THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, CURRENT EDITION.
4. THE PRIVATE ENGINEER SIGNING THESE PLANS IS RESPONSIBLE FOR ASSURING THE ACCURACY AND ACCEPTABILITY OF THE WORK HEREON. IN THE EVENT OF DISCREPANCIES ARISING DURING CONSTRUCTION, THE PRIVATE ENGINEER SHALL BE RESPONSIBLE FOR DETERMINING AN ACCEPTABLE SOLUTION AND REVISING THE PLANS FOR APPROVAL BY THE CITY.
5. QUANTITIES SHOWN ARE FOR INFORMATION ONLY AND THE CITY OF RIVERSIDE IS NOT RESPONSIBLE FOR THEIR ACCURACY.
6. THE DEVELOPER SHALL BE RESPONSIBLE FOR PRESERVING OR REESTABLISHING AND REFERENCING SURVEY MONUMENTS DESTROYED, DISTURBED OR BURIED AS A RESULT OF CONSTRUCTION SHOWN HEREON.
7. THE CONTRACTOR SHALL COORDINATE TRENCHING FOR CABLE TELEVISION WITH OTHER TRENCHING WITHIN THE PROJECT.
8. ALL FLAGGED ELEVATIONS SHALL BE STAKED IN THE FIELD BY THE PRIVATE ENGINEER.
9. WHERE NEW PAVEMENT IS TO JOIN THE EXISTING PAVEMENT, EDGE OF THE EXISTING PAVEMENT SHALL BE TRIMMED IN A SMOOTH AND STRAIGHT LINE. CONSTRUCT MATCH-UP PAVING AS SHOWN ON THE PLANS AND OVERLAY PAVING AS DIRECTED IN THE FIELD TO PRODUCE A SMOOTH SECTION.
10. CONSTRUCT DRIVEWAY APPROACHES PER DETAIL HEREON. EXACT SIZE AND LOCATION TO BE STAKED BY THE PRIVATE ENGINEER PRIOR TO CONSTRUCTION OF THE DIKE AND GUTTER.
11. ON ALL AREAS WITHIN PUBLIC RIGHT OF WAY WHERE THE FILL IS ONE (1) FOOT OR GREATER, A LETTER WILL BE REQUIRED FROM THE SOILS ENGINEER, CERTIFYING THE COMPACTION OF THE FILL BELOW SUBGRADE, PRIOR TO ISSUANCE OF THE CONSTRUCTION PERMIT/CUT SHEETS.
12. ANY TRAFFIC CONTROL STRIPING OBLITERATED AND/OR BADLY WORN DURING CONSTRUCTION SHALL BE RESTORED BY CONTRACTOR WITHIN FIVE DAYS AFTER NOTIFICATION FROM THE CITY INSPECTORS.
13. FINAL STRIPING FOR TRAFFIC CONTROL AND/OR PAVEMENT MARKING TO BE THE RESPONSIBILITY OF THE DEVELOPER. (CONTRACTOR IS TO REPLACE THE CENTERLINE STRIPING WITHIN PROJECT LIMITS)
14. THE CONTRACTOR SHALL CALL IN A LOCATION REQUEST TO UNDERGROUND SERVICE ALERT (USA), PHONE # 1-800-227-2600, TWO WORKING DAYS BEFORE DIGGING. NO CONSTRUCTION PERMIT WILL BE ISSUED BY THE PUBLIC WORKS DEPARTMENT INVOLVING EXCAVATION FOR UNDERGROUND FACILITIES UNLESS THE APPLICANT HAS BEEN PROVIDED AN INQUIRY IDENTIFICATION NUMBER BY U.S.A.
15. IN PAVEMENT OVERLAY AREAS, ANY DISTRESSED EXISTING PAVEMENT SHALL BE REMOVED AND REPLACED AS DIRECTED BY THE INSPECTOR PRIOR TO OVERLAYING WITH A.C. PAVING.
16. THE CONTRACTOR IS RESPONSIBLE FOR THE INSTALLATION OF STREET LIGHTS AND UNDERGROUND ELECTRIC UTILITY FACILITIES. CONTACT RIVERSIDE PUBLIC UTILITIES 90 DAYS IN ADVANCE OF CONSTRUCTION TO OBTAIN APPROVED STREET LIGHT AND ELECTRIC PLANS.  
CONTACT: BILL MAINORD  
PH. NO. (951) 826-5393  
3900 MAIN STREET, 4th. FLOOR  
RIVERSIDE, CALIFORNIA, 92022
17. THE SUBDIVIDER SHALL ARRANGE FOR A SOIL TEST TO BE MADE BY A SOILS ENGINEER AFTER THE STREETS HAVE BEEN PREPARED TO ROUGH GRADE AND PRIOR TO DIKE AND GUTTER CONSTRUCTION. DEPTH OF BASE MATERIAL AND A.C. PAVING SHALL BE DETERMINED BY THE CITY OF RIVERSIDE DESIGN STANDARDS AND TEST PROCEDURES.
18. THE DEVELOPER AND/OR CONTRACTOR SHALL CONTACT THE STREET DIVISION (351-8127) TO PICK UP ANY EXISTING STD. 180 BARRICADES THAT ARE TO BE REMOVED. THE CITY'S INSPECTOR WILL MAKE THE FINAL DETERMINATION ON WHETHER A BARRICADE CAN BE RELOCATED.
19. ALL TRAFFIC SIGNS SHALL BE INSTALLED PRIOR TO OPENING STREETS TO TRAFFIC.



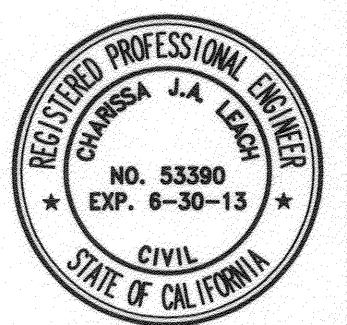
**ROLLED AC DIKE TO C.S.P. INLET TRANSITION DETAIL**  
NOT TO SCALE  
NOTE: TRANSITIONS VARY DUE TO SIZE OF CSP RISER AND DIKE OPENINGS. SEE THE STORM DRAIN PLANS FOR DIMENSIONS



**SECTION X-X**  
NOT TO SCALE



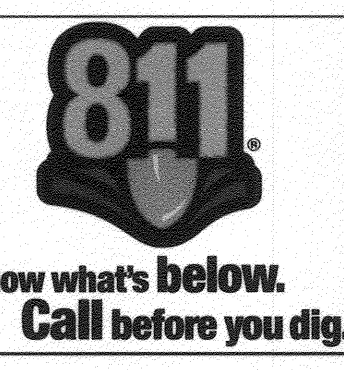
SECTION 22, T. 3S., R. 5W.



CITY OF RIVERSIDE WATER DEPT.  
*Matthew C. [Signature]* 10/17/11  
REVIEWED FOR CONFLICTS BY DATE

WESTERN MUNICIPAL WATER DISTRICT  
*[Signature]* 11-16-11  
REVIEWED FOR CONFLICTS BY DATE

CITY OF RIVERSIDE ELECTRICAL DEPT.  
*[Signature]* 10/5/11  
REVIEWED FOR CONFLICTS BY DATE



CITY OF RIVERSIDE BUSINESS TAX ACCT. #058833 EXP. 1/1/12

PLANS PREPARED BY:  
**adkan ENGINEERS**  
Civil Engineering - Surveying - Planning  
6820 Airport Drive, Riverside, CA 92504  
Tel: (951) 688-4024 Fax: (951) 688-0599

Under the Supervision of:  
*[Signature]* 9/30/11  
Charles Leach, R.C.E. 53380 Exp. 06.30.13

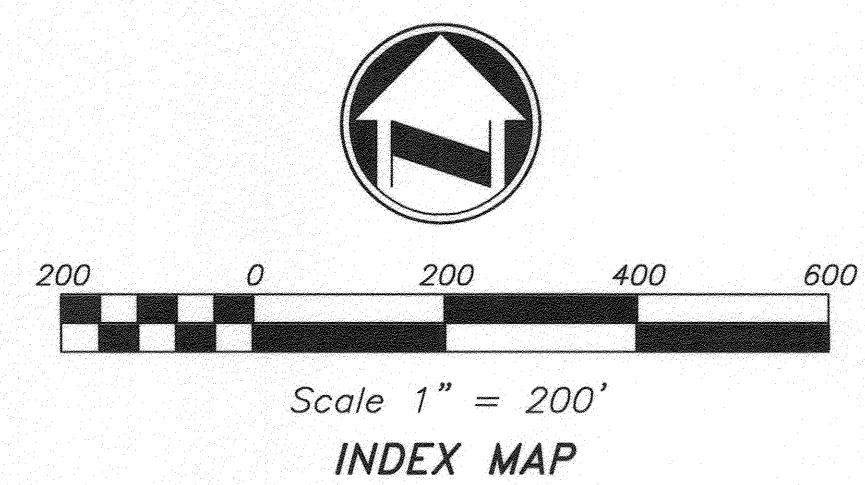
BENCHMARK: E5-B2  
P.K. NAIL IN THE NORTHERLY END OF THE  
EASTERLY HEADWALL OF THE GAGE CANAL  
BRIDGE AT JACKSON STREET.

ELEVATION: 1004.87  
NGVD 1929

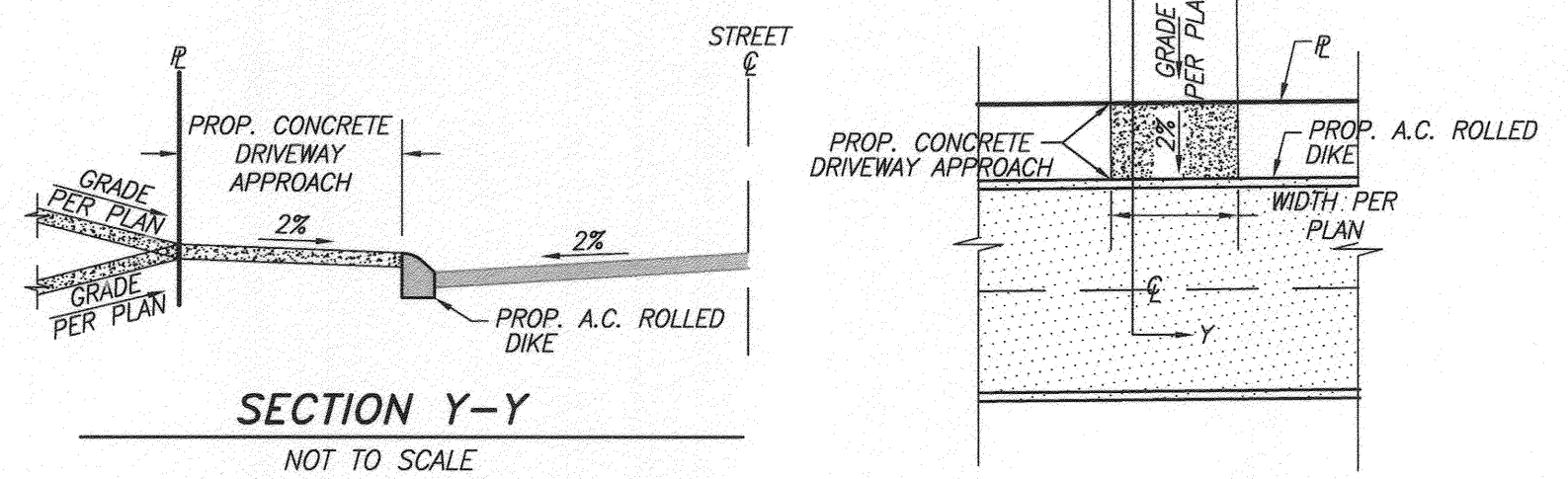
**INDEX**  
TITLE SHEET.....SHEET 1  
STREET IMPROVEMENT PLANS.....SHEET 2-11

STREET SIGN SCHEDULE	
Ⓐ	HEATHER LANE 1500
Ⓟ	VIA SORRENTO 8500
Ⓟ	VIA SORRENTO 8100
Ⓟ	VIA SORRENTO 1500
Ⓟ	VIA SORRENTO 8100
Ⓟ	VIA SORRENTO 1400
Ⓟ	VIA SORRENTO 8000
Ⓟ	VIA SIENNA 1400
Ⓟ	VIA SORRENTO 8000
Ⓟ	VIA SIENNA 1300
Ⓟ	STOP SIGN
Ⓟ	NOT A THROUGH STREET

+ INSTALL SIGNS PER CITY OF RIVERSIDE STANDARD DRAWINGS #662 & #662A  
- INSTALL SIGNS PER CITY OF RIVERSIDE STANDARD DRAWINGS #666

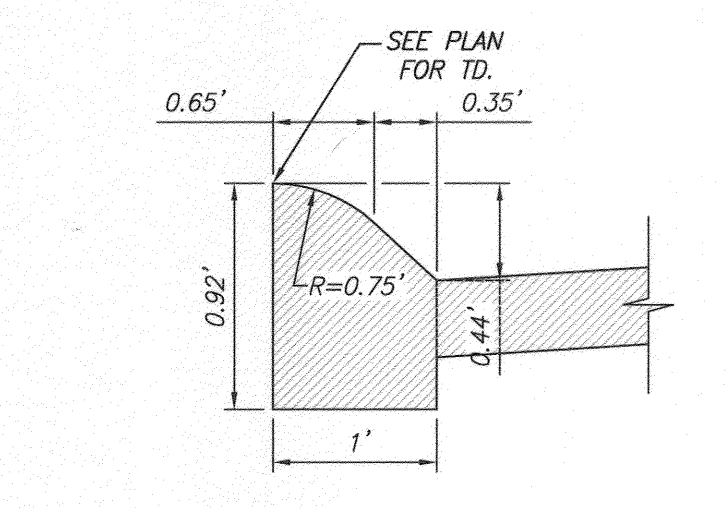


Scale 1" = 200'  
**INDEX MAP**

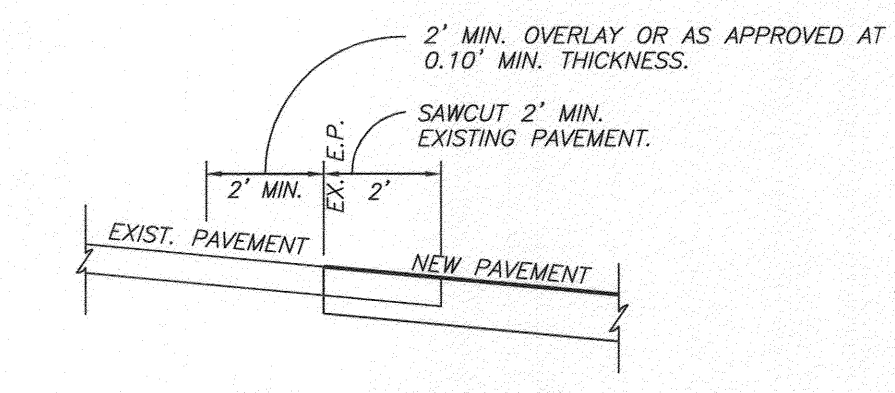


**SECTION Y-Y**  
NOT TO SCALE

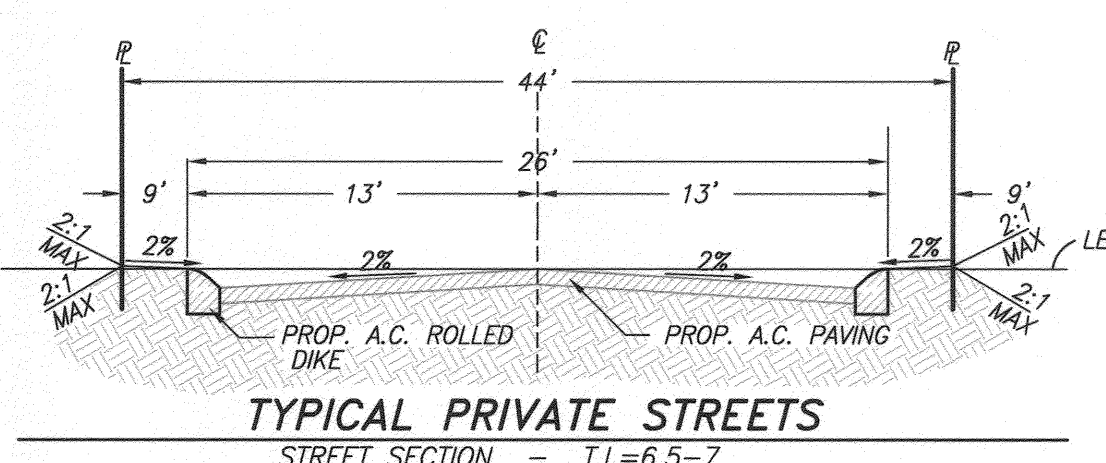
**DRIVEWAY APPROACH**  
NOT TO SCALE



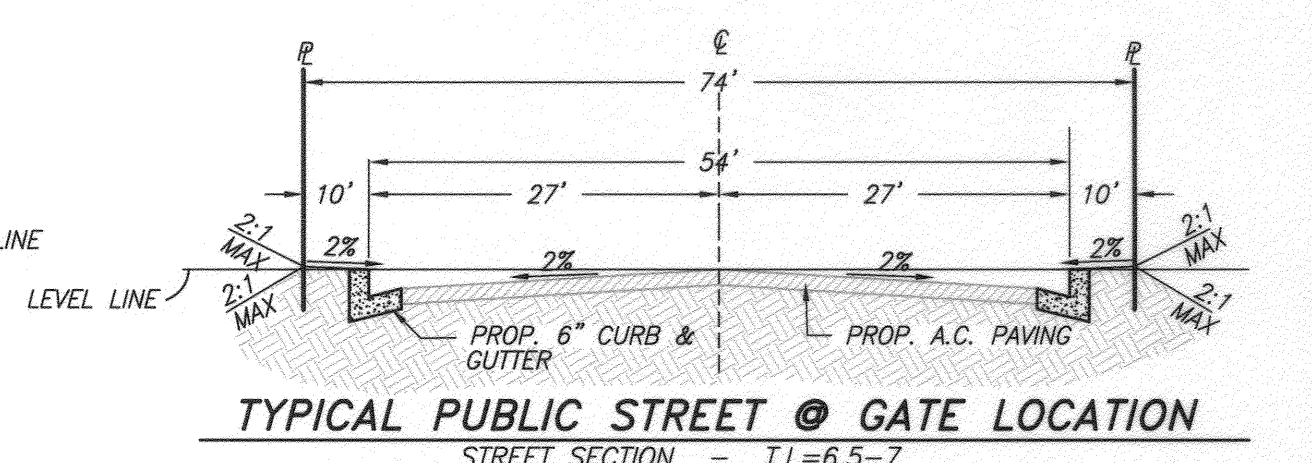
**ROLLED AC DIKE DETAIL**  
NOT TO SCALE



**JOIN DETAIL**  
N.T.S.



**TYPICAL PRIVATE STREETS**  
STREET SECTION - T.I.=6.5-7  
N.T.S.



**TYPICAL PUBLIC STREET @ GATE LOCATION**  
STREET SECTION - T.I.=6.5-7  
N.T.S.

### CONSTRUCTION NOTES AND QUANTITY ESTIMATE

- ① PLACE 4" A.C. OVER 8" C.A.B. PER S.R. 1043-01 R= 40 172,997 SF
- ② CONSTRUCT 5" ROLLED AC DIKE PER DETAIL HEREON 10,482 LF
- ③ REMOVE EXISTING STREET BARRICADES (REFER TO GENERAL NOTE 18) 1 EA
- ④ CONSTRUCT DRIVEWAY APPROACH PER DETAIL ON SHEET 1 (WIDTH PER PLAN) 11 EA
- ⑤ CONSTRUCT BARRICADE PER CITY OF RIVERSIDE STD. DWG. NO. 180 78 LF
- ⑥ CONSTRUCT CATCH BASIN PER DETAIL ON SHEET 1 7 EA
- ⑦ STREET SIGNS PER STREET SIGN SCHEDULE 21 EA
- ⑧ CONSTRUCT 6" CURB AND GUTTER PER CITY OF RIVERSIDE STD. DWG. NO. 200 (TYPE I) 357 LF
- ⑨ SAWCUT AND JOIN PER DETAIL HEREON 1,028 LF
- ⑩ INSTALL 2"x4" REDWOOD HEADER 1,500 LF

### WATER CONSTRUCTION NOTE BY CITY FORCES

- ⑪ EXTEND EXISTING 1" SERVICE 1 EA.
- ⑫ EXTEND EXISTING FIRE HYDRANT #1524 1 EA.

### PROFILE NOTE:

UNLESS SPECIFIED, TANGENT GRADE IS EQUAL TO ADJACENT STRAIGHT GRADE.

### PUBLIC UTILITIES DEPARTMENT NOTE:

CONTRACTOR TO GIVE CITY WATER DIVISION FIVE (5) WORKING DAYS WRITTEN NOTICE PRIOR TO START OF CONSTRUCTION AND ALLOW CITY FIFTEEN (15) WORKING DAYS FOR COMPLETION OF WORK. 951.351.6368

### CITY WATER DEPARTMENT NOTE:

A MINIMUM COVER OF 24" SHALL BE MAINTAINED ABOVE ALL WATER LINES DURING ALL EXCAVATION, BACKFILL AND COMPACTION ACTIVITIES DURING STREET IMPROVEMENTS. CONTACT TONI REDMAN @ 951.826.2126 IF COVER IS REDUCED BEYOND THIS OR FOR ANY OTHER QUESTIONS REGARDING THIS REQUIREMENT.

PW10-0355  
ACCOUNT NO.  
R-4196  
SHEET 1 OF 11  
J.N. 7863

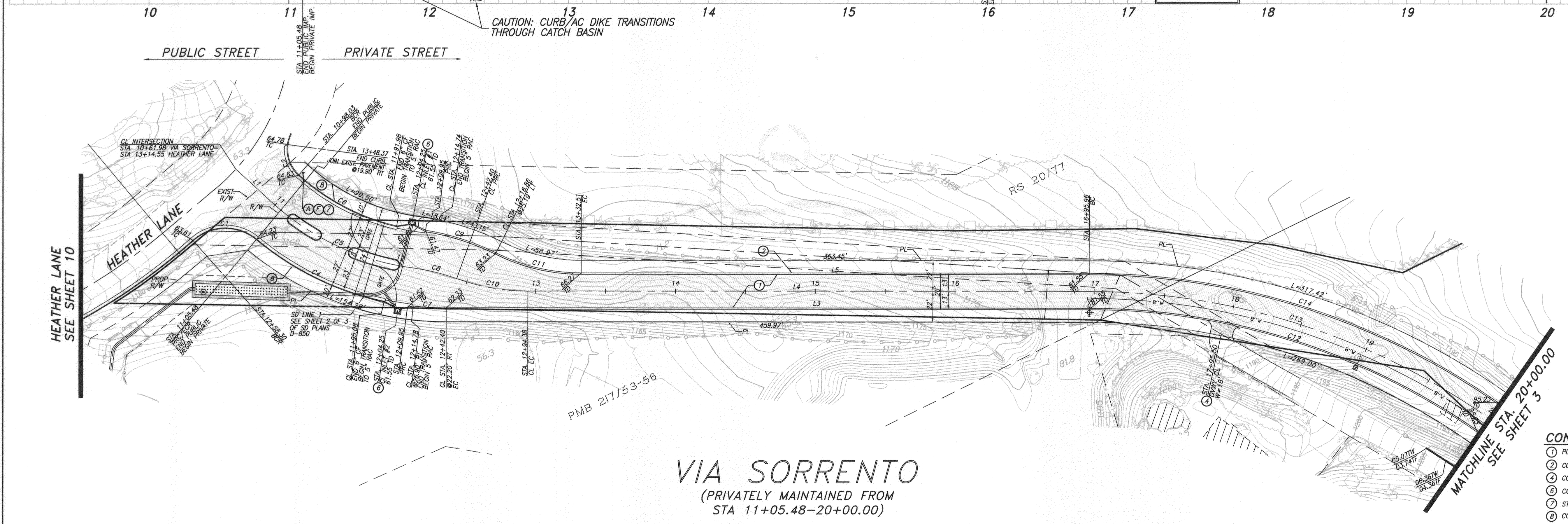
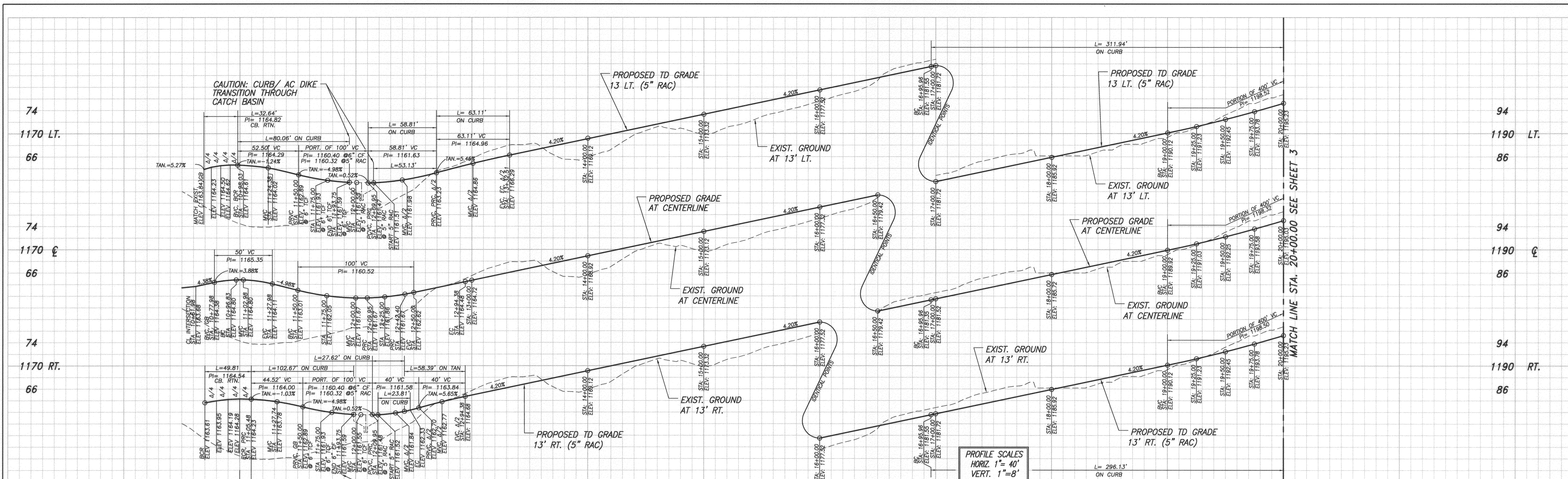
**CITY OF RIVERSIDE PUBLIC WORKS DEPARTMENT**  
APPROVED BY: *[Signature]* DATE: 11/17/11  
PRINCIPAL ENGINEER  
TRAFFIC DIVISION

**STREET IMPROVEMENT PLAN TRACT 34059-1 COVER SHEET**  
A.P.N. 245-060-014-8, 245-080-001-8, 245-040-008-1  
HORIZ. SCALE: AS NOTED VERT. SCALE: N/A  
J.N. 7863

DESIGNED BY: BRYAN DRAWN BY: BRYAN CHECKED BY: C-  
DATE: 11-09-2005

PLOT DATE: 11/15/11



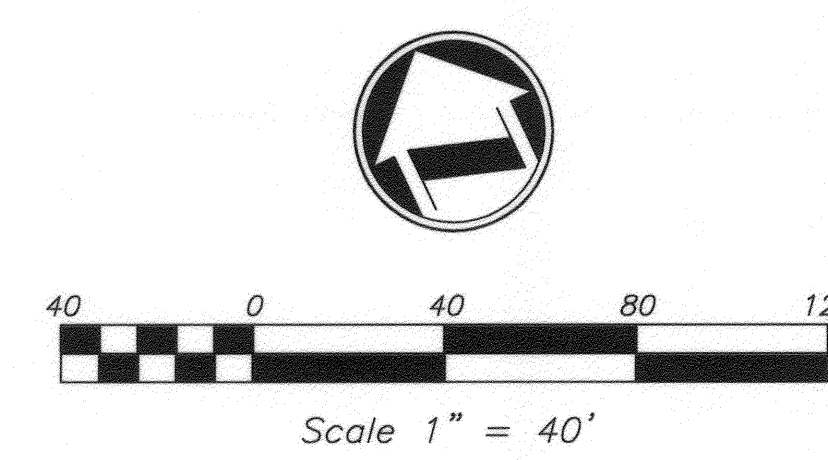


LINE TABLE		
LINE	LENGTH	BEARING
L1	34.85	S22°04'37"E
L3	389.71	S84°34'31"E
L4	401.58	S84°34'31"E
L5	363.45	S64°34'31"E

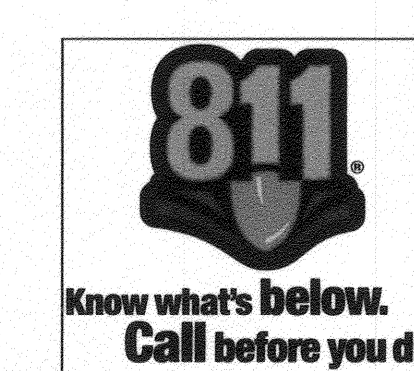
CURVE TABLE				
CURVE	DELTA	RADIUS	LENGTH	TAN
C1	81°32'31"	35.00	49.81	30.18
C2	55°17'19"	25.00	24.12	13.09
C4	27°44'56"	212.00	102.67	52.36
C5	35°02'05"	185.00	113.12	58.39
C6	29°01'51"	158.00	80.06	40.91
C7	6°24'22"	213.00	23.81	11.92
C8	12°23'58"	150.00	32.45	16.29
C9	17°06'09"	178.00	53.13	26.76
C10	19°51'28"	150.00	51.99	26.26
C11	26°23'42"	137.00	63.11	32.13
C12	34°50'25"	487.00	296.13	152.80
C13	34°09'03"	500.00	298.02	153.59
C14	34°50'25"	513.00	311.94	160.96

NOTE:  
ALL CURVE DATA IS LABELED AT TOP OF DIKE, LOCATED 13'  
FROM THE CENTERLINE OF THE STREET, BOTH DIRECTIONS.  
SEE DETAIL ON SHEET 1 FOR TOP OF DIKE LOCATION  
\*RADIUS = 2' AT FACE OF DIKE.

- CONSTRUCTION NOTES**
- PLACE 4" A.C. OVER 8" C.A.B.
  - CONSTRUCT 5" ROLLED A.C. DIKE PER DETAIL ON SHEET 1
  - CONSTRUCT DRIVEWAY APPROACH PER DETAIL ON SHEET 1 (WIDTH PER PLAN)
  - CONSTRUCT CATCH BASIN PER CITY OF RIVERSIDE STD. DWG. NO. 412
  - STREET SIGNS PER STREET SIGN SCHEDULE ON SHEET 1
  - CONSTRUCT 6" CURB AND GUTTER PER CITY OF RIVERSIDE STD. DWG. NO. 200 (TYPE I)



**VIA SORRENTO**  
(PRIVATELY MAINTAINED FROM  
STA 11+05.48-20+00.00)



CITY OF RIVERSIDE BUSINESS TAX ACCT. #058833 EXP. 1/1/12

**adkan ENGINEERS**  
Civil Engineering • Surveying • Planning  
6820 Airport Drive, Riverside, CA 92504  
Tel: (951) 688-0241 Fax: (951) 688-0599

Under the Supervision of: *[Signature]* 9/24/11  
Charles Leach, R.C.E. 53390 Exp. 06/30/13 (noted)

BENCHMARK: E5-B2  
P.K. NAIL IN THE NORTHERLY END OF THE  
EASTERLY HEADWALL OF THE GAGE CANAL  
BRIDGE AT JACKSON STREET.

ELEVATION: 1004.87  
NGVD 1929

MARK	REVISIONS	APPR.	DATE

DESIGNED BY: BRYAN DRAWN BY: BRYAN CHECKED BY: C-

**CITY OF RIVERSIDE  
PUBLIC WORKS DEPARTMENT**

APPROVED BY: *[Signature]* DATE BY: 12-13-11  
PRINCIPAL ENGINEER  
TRAFFIC DIVISION

APPROVED BY: *[Signature]* DATE BY: 11-09-2015  
CITY ENGINEER

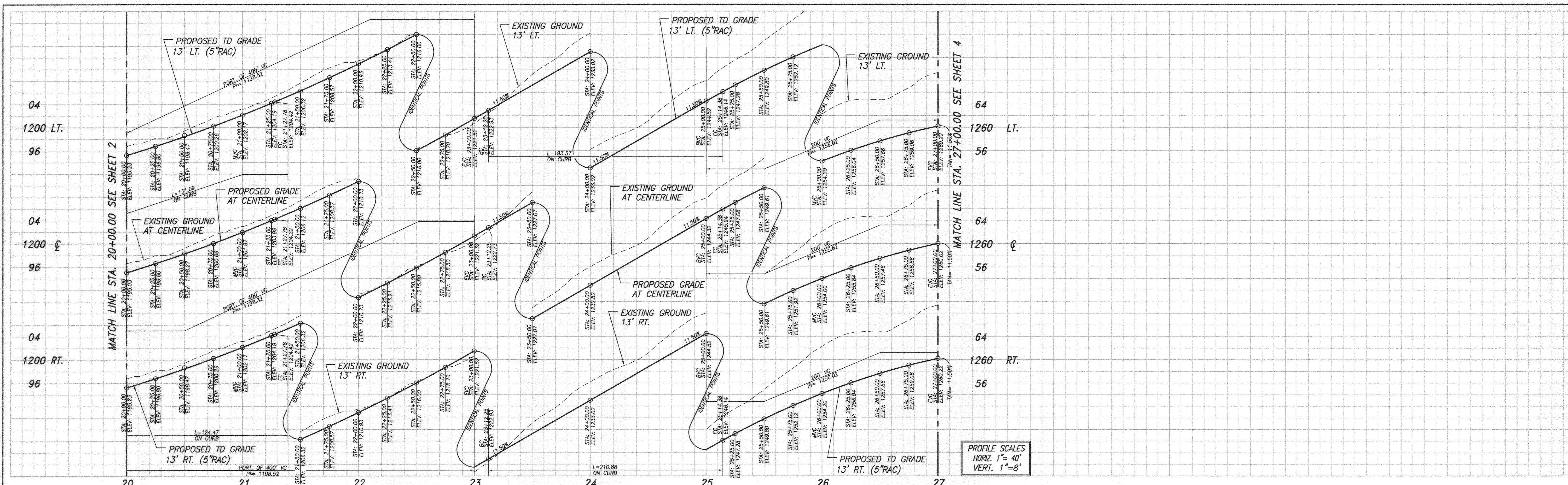
PW10-0355

STREET IMPROVEMENT PLAN  
**TRACT 34059-1**  
**VIA SORRENTO**

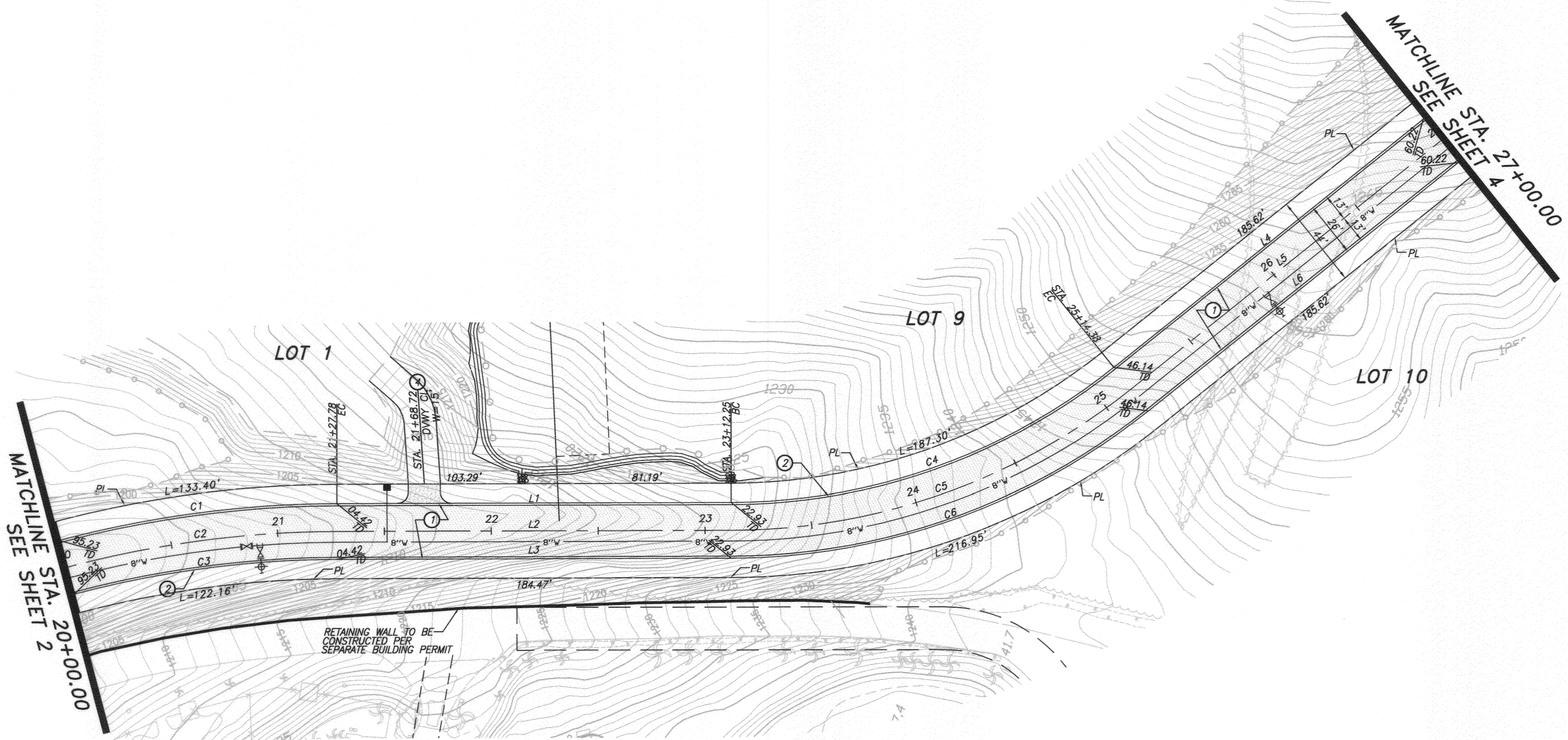
R-4196  
SHEET 2 OF 11

A.P.N. 245-060-014-8, 245-080-001-8, 245-040-008-1  
HORIZ. SCALE: 1"=40' VERT. SCALE: 1"=8' J.N. 7863





PROFILE SCALES  
 HORIZ. 1" = 40'  
 VERT. 1" = 8'

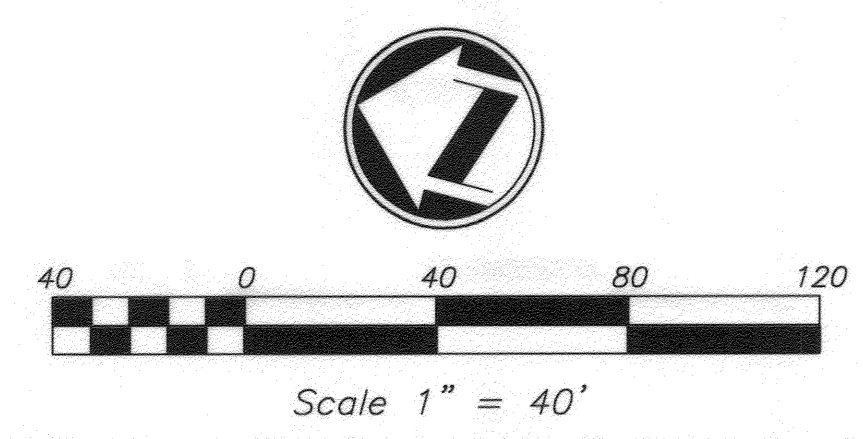


LINE TABLE		
LINE	LENGTH	BEARING
L1	184.47	S15°05'32"E
L2	184.47	S15°05'32"E
L3	184.47	S15°05'32"E
L4	185.63	S53°41'43"E
L5	185.62	S53°41'43"E
L6	185.62	S53°41'43"E

CURVE TABLE				
CURVE	DELTA	RADIUS	LENGTH	TAN.
C1	14°38'30"	513.00	131.09	65.91
C2	14°38'30"	500.00	127.78	64.24
C3	14°38'30"	487.00	124.47	62.58
C4	38°36'11"	287.00	193.37	100.51
C5	38°36'11"	300.00	202.13	105.07
C6	38°36'11"	313.00	210.88	109.62

NOTE:  
 ALL CURVE DATA IS LABELED AT TOP OF DIKE, LOCATED 13' FROM THE CENTERLINE OF THE STREET, BOTH DIRECTIONS. SEE DETAIL ON SHEET 1 FOR TOP OF DIKE LOCATION.  
 \*RADIUS = 27' AT FACE OF DIKE.

- CONSTRUCTION NOTES**
- PLACE 4" A.C. OVER 8" C.A.B.
  - CONSTRUCT 5" ROLLED A.C. DIKE PER DETAIL ON SHEET 1
  - CONSTRUCT DRIVEWAY APPROACH PER DETAIL ON SHEET 1 (WIDTH PER PLAN)
  - CONSTRUCT CATCH BASIN PER CITY OF RIVERSIDE STD. DWG. NO. 412
  - STREET SIGNS PER STREET SIGN SCHEDULE ON SHEET 1



VIA SORRENTO  
 (PRIVATELY MAINTAINED)

CITY OF RIVERSIDE BUSINESS TAX ACCT. 0508833 EXP. 1/1/12



PLANS PREPARED BY:  
**adkan ENGINEERS**  
 Civil Engineering · Surveying · Planning  
 6820 Airport Drive, Riverside, CA 92504  
 Tel: (951) 688-0211 Fax: (951) 688-0599  
 Under the Supervision of: *[Signature]* 9/30/11  
 Chartered Leach, R.C.E. 53380 Exp. 06.30.13 Date: 9/30/11

BENCHMARK: E5-B2  
 P.K. NAIL IN THE NORTHERLY END OF THE  
 EASTERLY HEADWALL OF THE GAGE CANAL  
 BRIDGE AT JACKSON STREET.  
 ELEVATION: 1004.87  
 NGVD 1929

MARK	REVISIONS	APPR.	DATE

DESIGNED BY: BRYAN DRAWN BY: BRYAN CHECKED BY: C-

**CITY OF RIVERSIDE  
 PUBLIC WORKS DEPARTMENT**

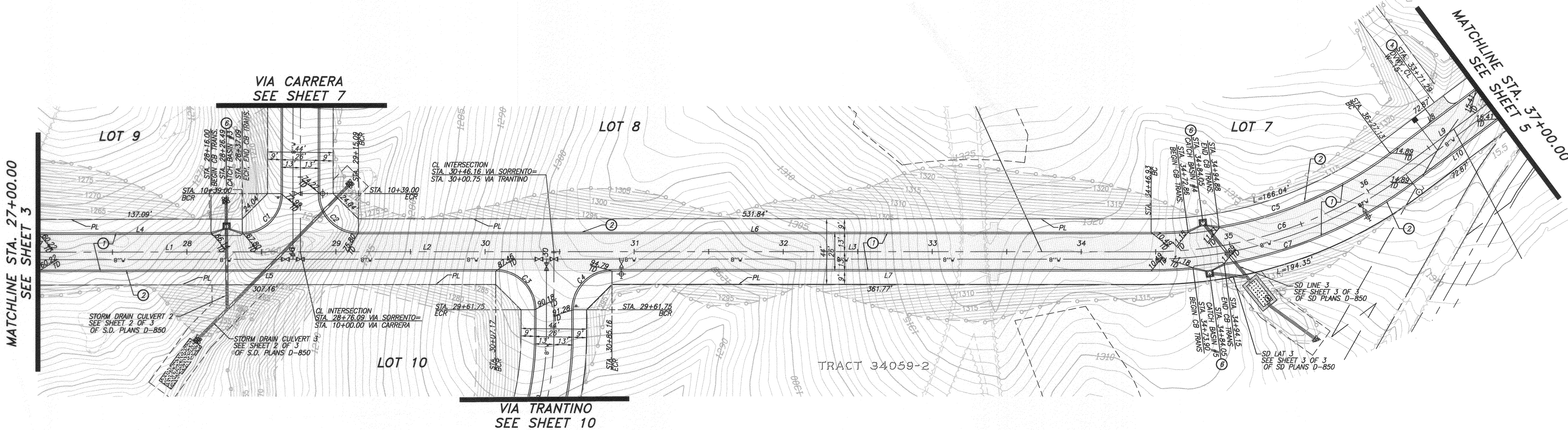
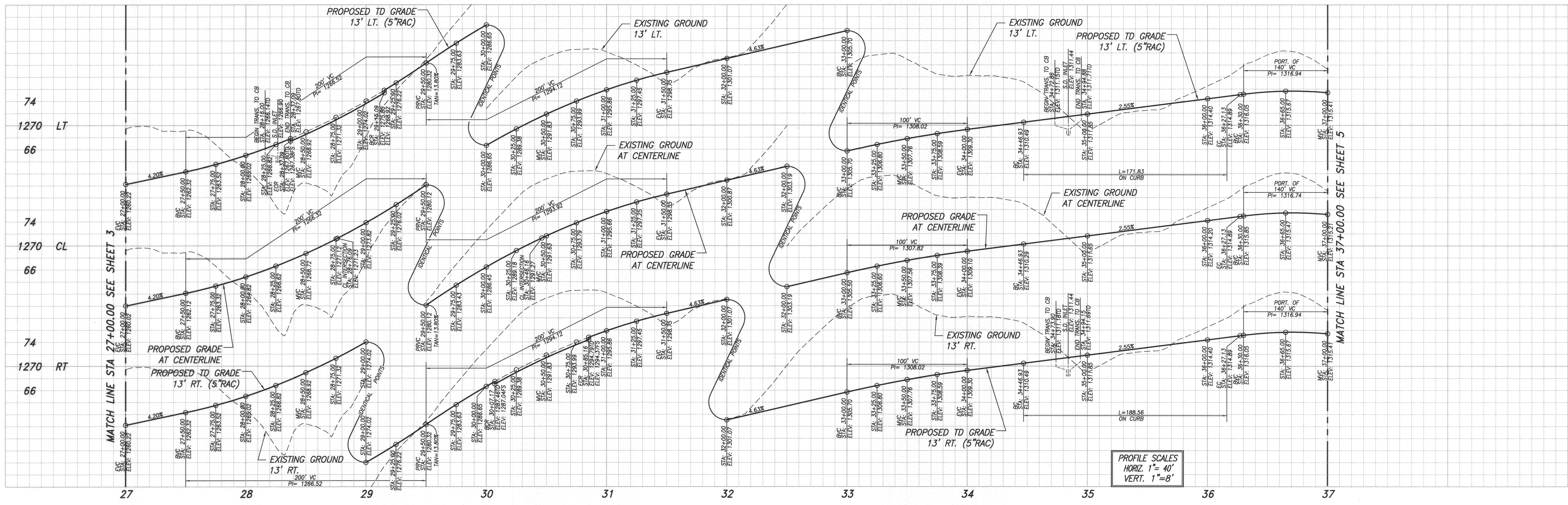
APPROVED BY: *[Signature]* DATE: 10/11/11  
 PRINCIPAL ENGINEER  
 TRAFFIC DIVISION

APPROVED BY: *[Signature]* DATE: 10/11/11  
 CITY ENGINEER

DATE: 10/11/11

PW10-0355	
STREET IMPROVEMENT PLAN	
TRACT 34059-1	
VIA SORRENTO	
A.P.N. 245-060-014-8, 245-080-001-8, 245-040-008-1	ACCOUNT NO. R-4196
HORIZ. SCALE: 1"=40' VERT. SCALE: 1"=8'	SHEET 3 OF 11
J.N. 7863	DATE: 10/11/11



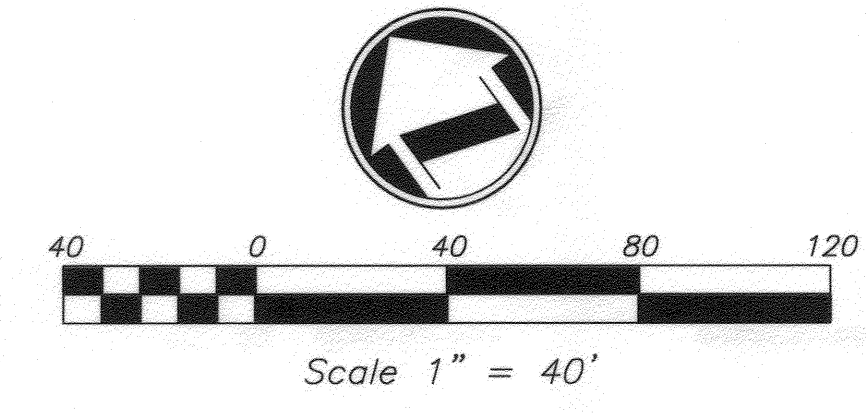


LINE	LENGTH	BEARING
L1	176.09	S53°41'43"E
L2	170.07	S53°41'43"E
L3	400.77	S53°41'43"E
L4	137.09	S53°41'43"E
L5	307.16	S53°41'43"E
L6	531.84	S53°41'43"E
L7	361.77	S53°41'43"E
L8	72.87	N89°25'55"E
L9	72.87	N89°25'55"E
L10	72.87	N89°25'55"E

CURVE	DELTA	RADIUS	LENGTH	TAN.
C1*	90°00'00"	26.00	40.84	26.00
C2*	90°00'00"	26.00	40.84	26.00
C3*	90°00'00"	26.00	40.84	26.00
C4*	90°00'00"	26.00	40.84	26.00
C5	36°52'22"	267.00	171.83	89.01
C6	36°52'22"	280.00	180.19	93.34
C7	36°52'22"	293.00	188.56	97.67

NOTE: ALL CURVE DATA IS LABELED AT TOP OF DIKE, LOCATED 13' FROM THE CENTERLINE OF THE STREET, BOTH DIRECTIONS. SEE DETAIL ON SHEET 1 FOR TOP OF DIKE LOCATION. \*RADIUS = 21' AT FACE OF DIKE.

- CONSTRUCTION NOTES**
- PLACE 4" A.C. OVER 8 C.A.B.
  - CONSTRUCT 5" ROLLED A.C. DIKE PER DETAIL ON SHEET 1
  - CONSTRUCT DRIVEWAY APPROACH PER DETAIL ON SHEET 1 (WIDTH PER PLAN)
  - CONSTRUCT CATCH BASIN PER CITY OF RIVERSIDE STD. DWG. NO. 412
  - STREET SIGNS PER STREET SIGN SCHEDULE ON SHEET 1



**VIA SORRENTO**  
(PRIVATELY MAINTAINED)



CITY OF RIVERSIDE BUSINESS TAX ACCT.#058833 EXP.1/1/12  
**adkan ENGINEERS**  
 Civil Engineering · Surveying · Planning  
 6820 Airport Drive, Riverside, CA 92504  
 Tel:(951) 688-8999 Fax:(951) 688-0599  
 Under the Supervision of: *[Signature]* 9/30/11  
 Charles Leach, R.C.E. 53380 Exp. 06.30.13 Dtl:

BENCHMARK: E5-B2  
 P.K. NAIL IN THE NORTHERLY END OF THE  
 EASTERLY HEADWALL OF THE GAGE CANAL  
 BRIDGE AT JACKSON STREET.  
 ELEVATION: 1004.87  
 NGVD 1929

MARK	REVISIONS	APPR.	DATE

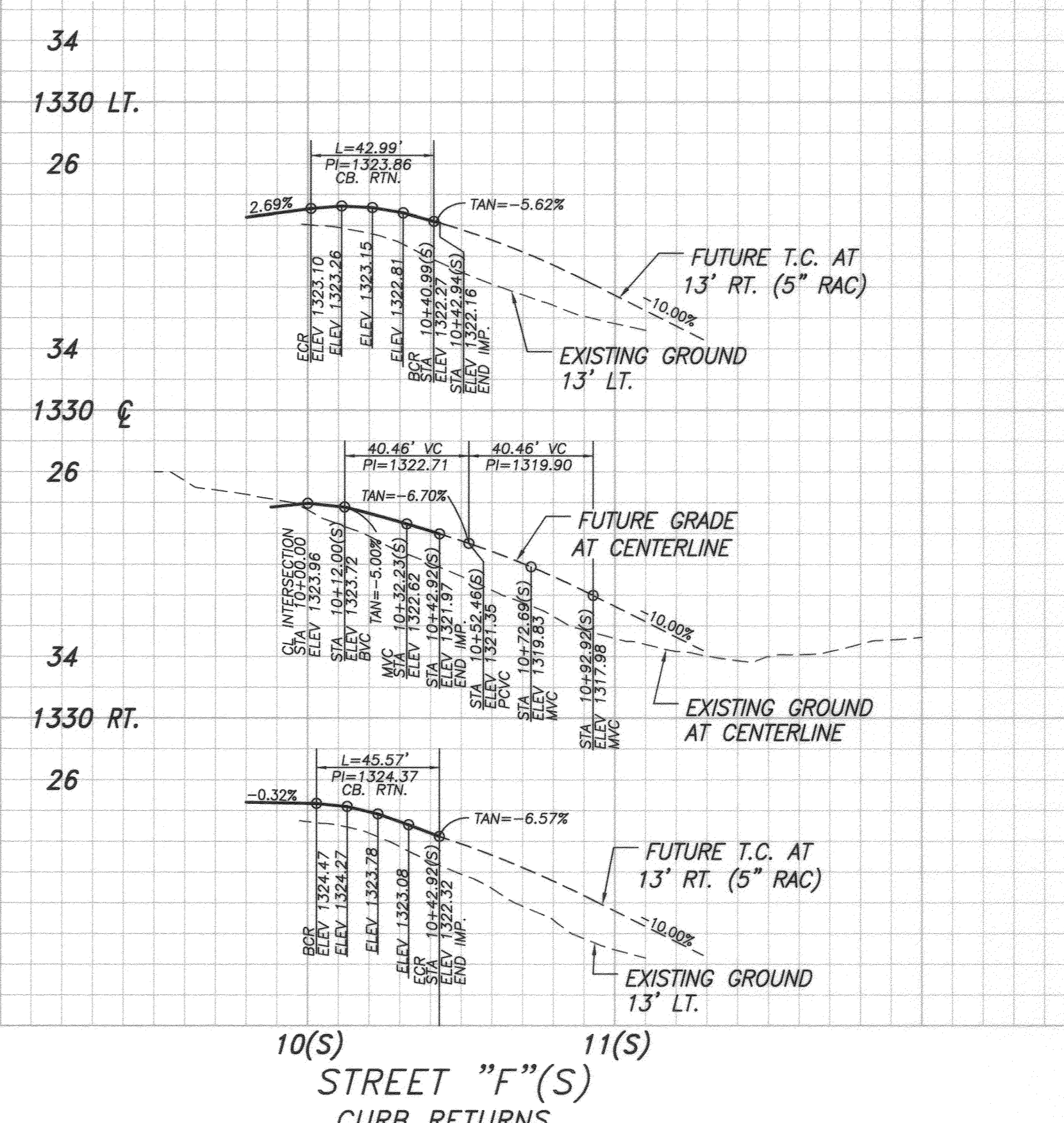
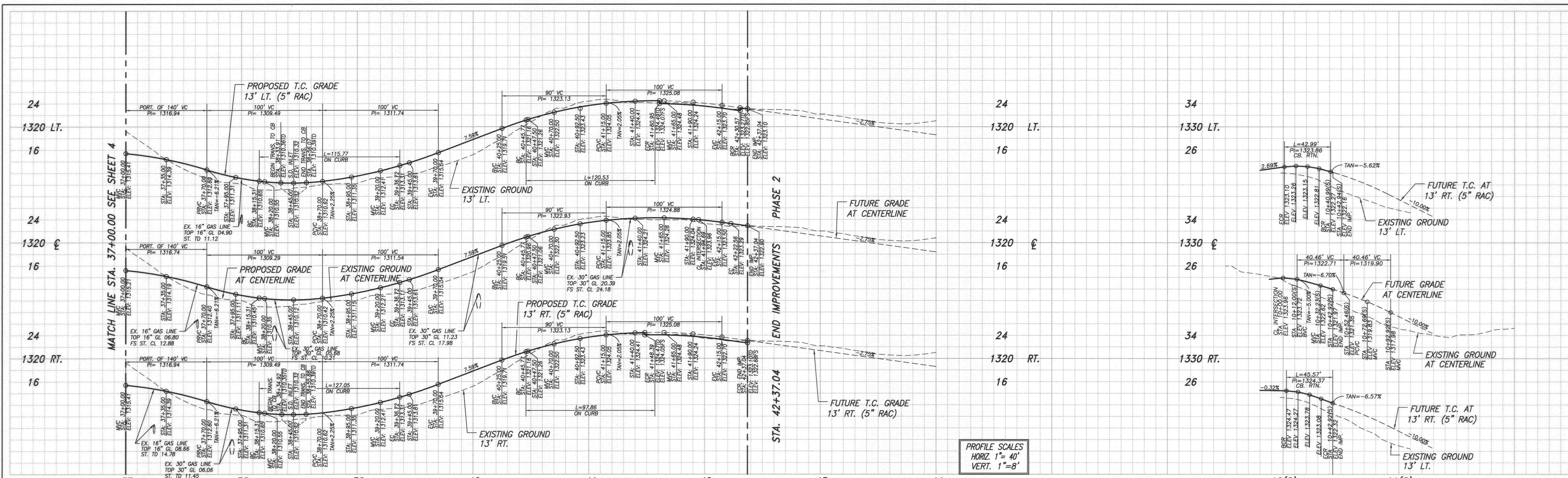
DESIGNED BY: BRYAN DRAWN BY: BRYAN CHECKED BY: C-

**CITY OF RIVERSIDE**  
**PUBLIC WORKS DEPARTMENT**  
 APPROVED BY: *[Signature]* DATE: 11-09-2015  
 PRINCIPAL ENGINEER: *[Signature]*  
 TRAFFIC DIVISION: *[Signature]*  
 CITY ENGINEER: *[Signature]*

PW10-0355  
 ACCOUNT NO.  
**STREET IMPROVEMENT PLAN**  
**TRACT 34059-1**  
**VIA SORRENTO**  
 A.P.N. 245-060-014-8, 245-080-001-8, 245-040-008-1  
 HORIZ. SCALE: 1"=40' VERT. SCALE: 1"=8' J.N. 7863  
**R-4196**  
**SHEET 4 OF 11**

PLOT DATE: 7/13/11





PROFILE SCALES  
HORIZ. 1"=40'  
VERT. 1"=8'

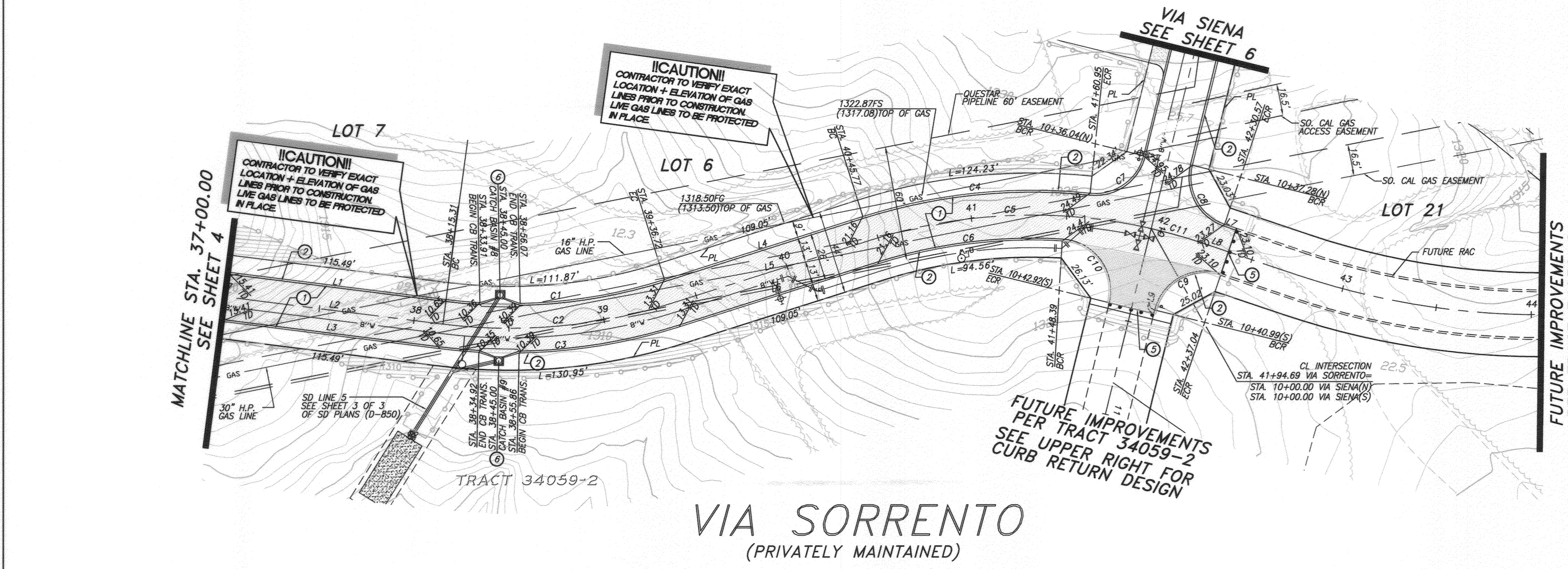
LINE	LENGTH	BEARING
L1	115.30	N89°25'55"E
L2	115.31	N89°25'55"E
L3	115.31	N89°25'55"E
L4	109.05	N64°35'17"E
L5	109.05	N64°35'17"E
L6	109.05	N64°35'17"E
L7	6.47	S79°14'15"E
L8	14.48	S79°14'15"E
L9	1.96	N06°01'06"E

CURVE	DELTA	RADIUS	LENGTH	TAN.
C1	24°50'38"	267.00	115.77	58.87
C2	24°50'38"	280.00	121.41	61.67
C3	24°50'38"	283.00	127.05	64.54
C4	23°34'07"	293.00	120.53	61.13
C5	30°28'55"	280.00	148.96	76.29
C6	20°59'57"	267.00	97.86	49.48
C7*	82°08'17"	26.00	37.27	22.66
C8*	85°15'21"	26.00	38.69	23.93
C9*	94°44'39"	26.00	42.99	28.23
C10*	102°25'33"	26.00	45.57	31.22
C11	5°41'53"	280.00	27.82	13.92

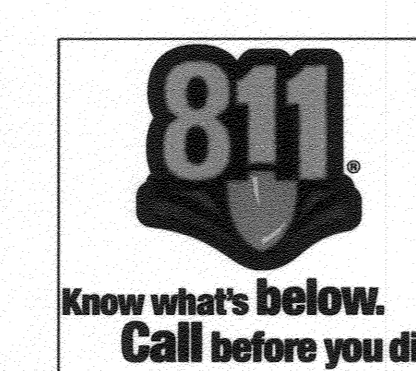
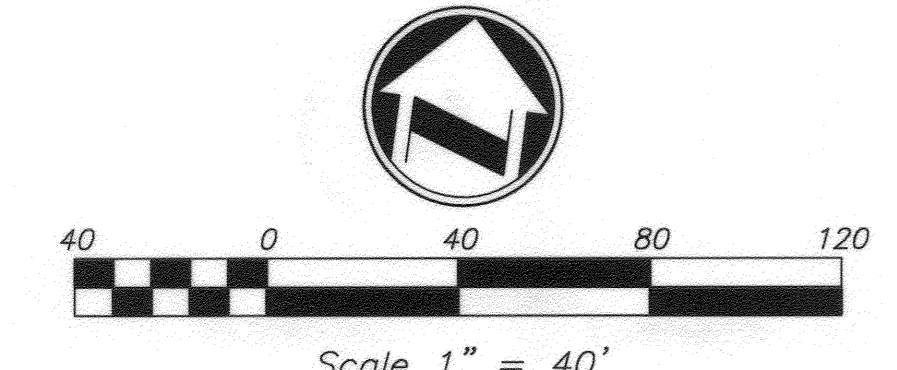
NOTE:  
ALL CURVE DATA IS LABELED AT TOP OF DIKE, LOCATED 13'  
FROM THE CENTERLINE OF THE STREET, BOTH DIRECTIONS.  
SEE DETAIL ON SHEET 1 FOR TOP OF DIKE LOCATION  
\*RADIUS = 27' AT FACE OF DIKE.

**CONSTRUCTION NOTES**

- ① PLACE 4 A.C. OVER 8" C.A.B.
- ② CONSTRUCT 5" ROLLED A.C. DIKE PER DETAIL ON SHEET 1
- ③ CONSTRUCT BARRICADE PER CITY OF RIVERSIDE STD. DWG. NO. 180
- ④ STREET SIGNS PER STREET SIGN SCHEDULE ON SHEET 1



VIA SORRENTO  
(PRIVATELY MAINTAINED)



CITY OF RIVERSIDE BUSINESS TAX ACCT.#058833 EXP.11/1/12  
PLANS PREPARED BY:  
**adkan ENGINEERS**  
Civil Engineering · Surveying · Planning  
6820 Airport Drive, Riverside, CA 92504  
Tel: (951) 696-0221 Fax: (951) 688-0599  
Under the Supervision of: *[Signature]* 9/30/11  
Charles Leach, R.C.E. 53380 Exp. 06.30.13 Note:

BENCHMARK: E5-B2  
P.K. NAIL IN THE NORTHERLY END OF THE  
EASTERLY HEADWALL OF THE GAGE CANAL  
BRIDGE AT JACKSON STREET.  
ELEVATION: 1004.87  
NGVD 1929

MARK	REVISIONS	APPR.	DATE

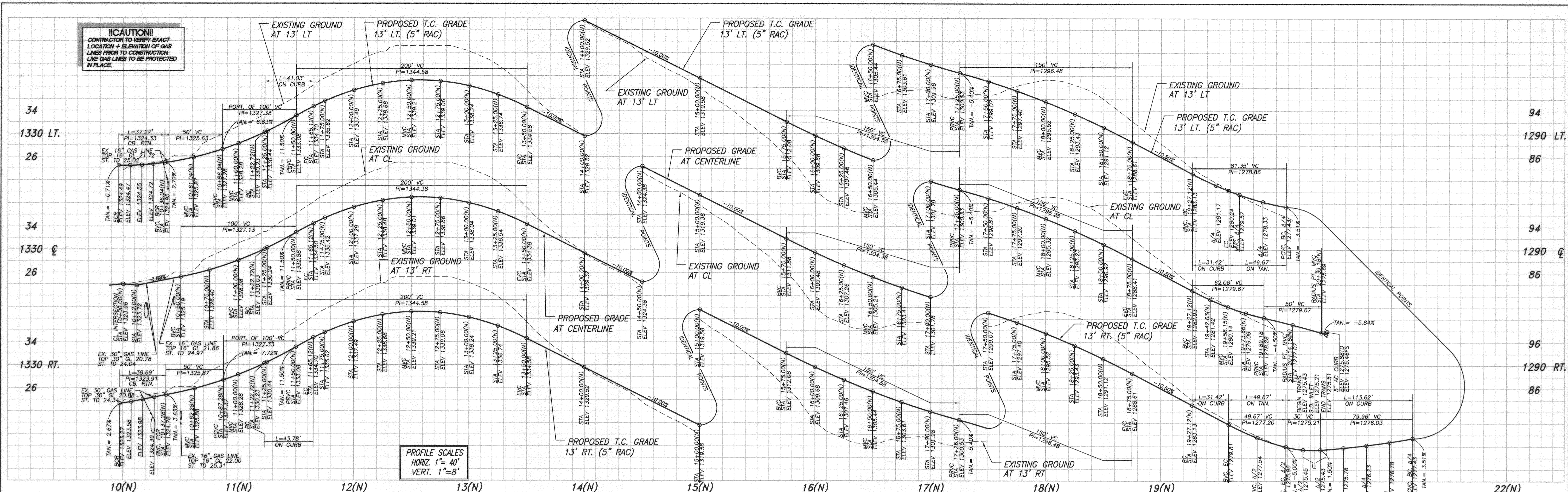
DESIGNED BY: BRYAN DRAWN BY: BRYAN CHECKED BY: C-

**CITY OF RIVERSIDE  
PUBLIC WORKS DEPARTMENT**  
APPROVED BY: *[Signature]* DATE: 11-09-2016  
PRINCIPAL ENGINEER: *[Signature]*  
TRAFFIC DIVISION: *[Signature]*  
CITY ENGINEER: *[Signature]*

PW10-0355  
ACCOUNT NO.  
STREET IMPROVEMENT PLAN  
**TRACT 34059-1**  
VIA SORRENTO  
A.P.N. 245-060-014-8, 245-080-001-8, 245-040-008-1  
HORIZ. SCALE: 1"=40' VERT. SCALE: 1"=8'  
R-4196  
SHEET 5 OF 11  
J.N. 7863

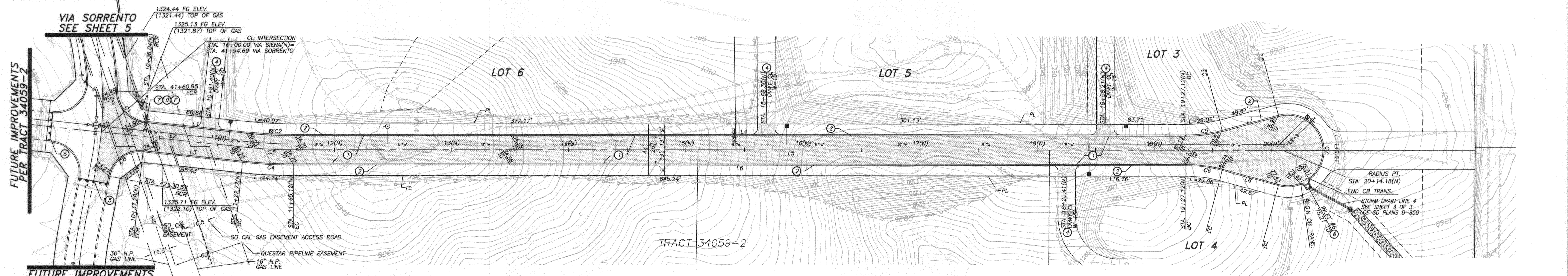
PLOT DATE: 7/13/11





PROFILE SCALES  
HORIZ. 1"=40'  
VERT. 1"=8'

CAUTION!!  
CONTRACTOR TO VERIFY EXACT  
LOCATION + ELEVATION OF GAS  
LINES PRIOR TO CONSTRUCTION.  
LIVE GAS LINES TO BE PROTECTED  
IN PLACE.



FUTURE IMPROVEMENTS  
PER TRACT 34059-2

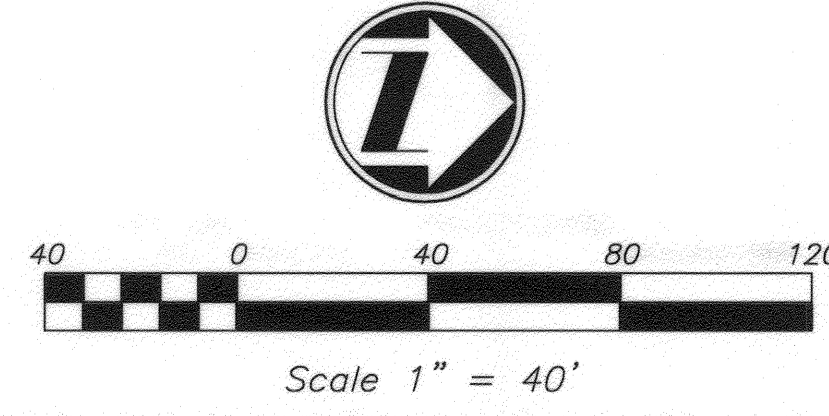
LINE	LENGTH	BEARING
L1	86.68	N06°01'06"E
L2	122.72	N06°01'06"E
L3	85.43	N06°01'06"E
L4	762.00	N00°03'20"W
L5	849.06	N00°03'20"W
L6	762.00	N00°03'20"W
L7	49.67	N15°03'20"W
L8	49.67	N14°56'40"E

CURVE	DELTA	RADIUS	LENGTH	TAN.
C1	82°08'17"	26.00	37.27	22.66
C2	6°04'26"	387.00	41.03	20.53
C3	6°04'26"	400.00	42.40	21.22
C4	6°04'26"	413.00	43.78	21.91
C5	15°00'00"	120.00	31.42	15.80
C6	15°00'00"	120.00	31.42	15.80
C7	21°00'00"	31.00	113.62	115.69
C8	85°15'21"	26.00	38.69	23.93

NOTE:  
ALL CURVE DATA IS LABELED AT TOP OF DIKE,  
LOCATED 13' FROM THE CENTERLINE OF THE STREET,  
BOTH DIRECTIONS. SEE DETAIL ON SHEET 1 FOR TOP  
OF DIKE LOCATION.  
\*RADIUS = 27' AT FACE OF DIKE.

VIA SIENA  
(PRIVATELY MAINTAINED)

- CONSTRUCTION NOTES**
- 1 PLACE 4" A.C. OVER 8" C.A.B.
  - 2 CONSTRUCT 5" ROLLED A.C. DIKE PER DETAIL ON SHEET 1
  - 3 CONSTRUCT DRIVEWAY APPROACH PER DETAIL ON SHEET 1 (WIDTH PER PLAN)
  - 4 CONSTRUCT BARRICADE PER CITY OF RIVERSIDE STD. DWG. NO. 180
  - 5 CONSTRUCT CATCH BASIN PER CITY OF RIVERSIDE STD. DWG. NO. 412
  - 6 STREET SIGNS PER STREET SIGN SCHEDULE ON SHEET 1



CITY OF RIVERSIDE BUSINESS TAX ACCT.#058833 EXP.11/12

PLANS PREPARED BY:  
**adkan ENGINEERS**  
Civil Engineering - Surveying - Planning  
6820 Airport Drive, Riverside, CA 92504  
Tel: (951) 948-0281 Fax: (951) 888-0599

Under the Supervision of:  
*[Signature]*  
Charissa Leach, R.C.E. 53380 Exp. 06.30.13 Lic: 1

BENCHMARK: E5-B2  
P.K. NAIL IN THE NORTHERLY END OF THE  
EASTERLY HEADWALL OF THE GAGE CANAL  
BRIDGE AT JACKSON STREET.

ELEVATION: 1004.87  
NGVD 1929

**CITY OF RIVERSIDE  
PUBLIC WORKS DEPARTMENT**

APPROVED BY: DATE: BY: APPROVED BY: DATE: BY: APPROVED BY: DATE: BY:  
PRINCIPAL ENGINEER: *[Signature]* 12/11/12  
TRAFFIC DIVISION: *[Signature]* 12/11/12  
CITY ENGINEER: *[Signature]* 12/11/12

MARK: REVISIONS: APPR. DATE:  
DESIGNED BY: BRYAN DRAWN BY: BRYAN CHECKED BY: C-

PW10-0355  
ACCOUNT NO.

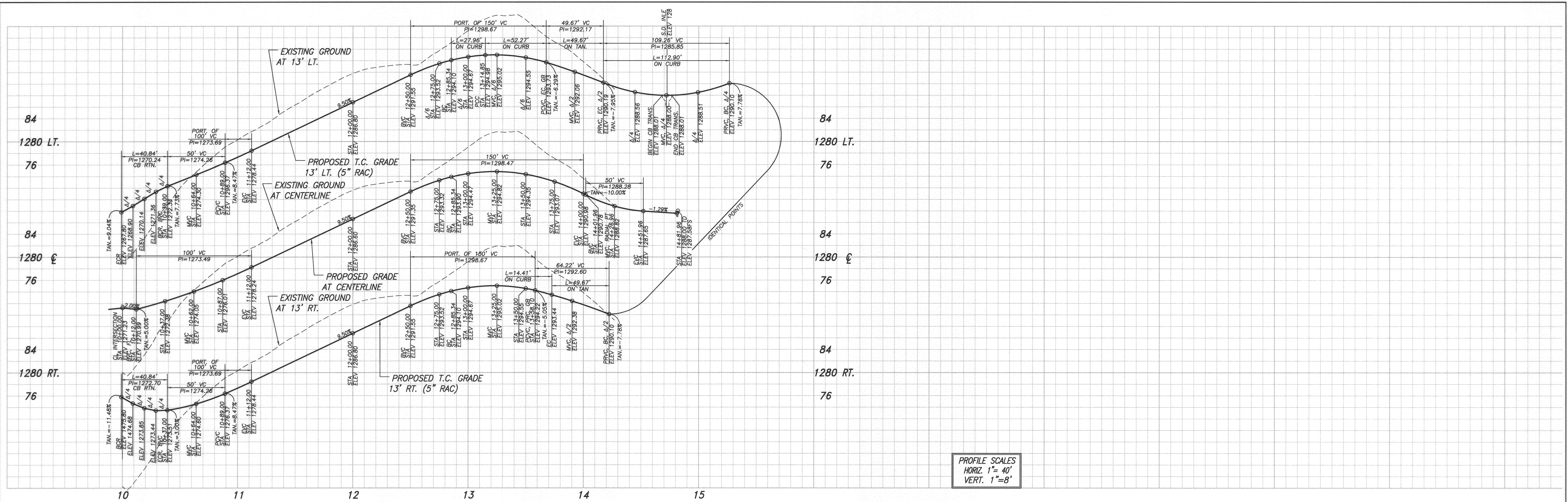
STREET IMPROVEMENT PLAN  
**TRACT 34059-1**  
VIA SIENA

R-4196  
SHEET 6 OF 11

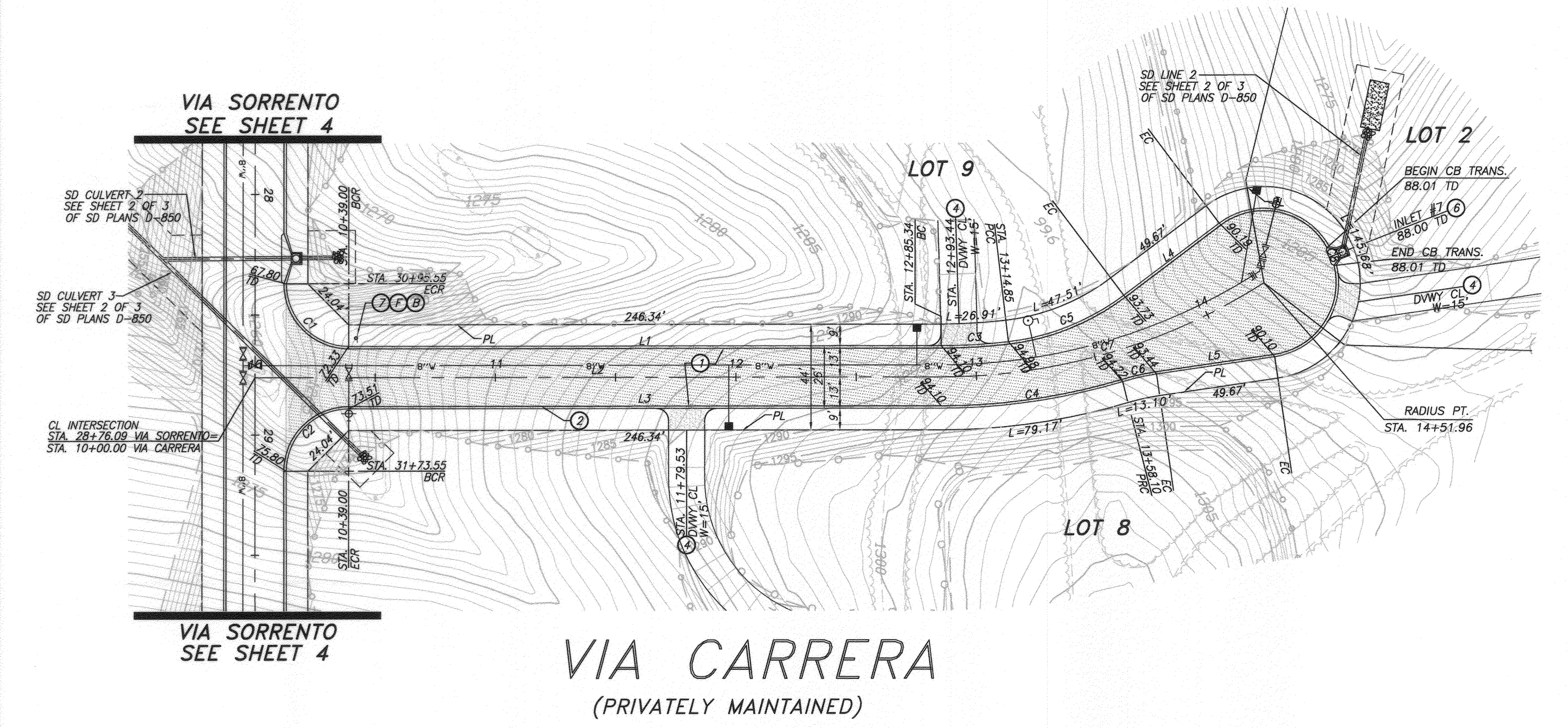
A.P.N. 245-060-014-8, 245-080-001-8, 245-040-008-1  
HORIZ. SCALE: 1"=40' VERT. SCALE: 1"=8' J.N. 7863

File name: U:\Projects\Fruclano\7863\Engineering\Street Imp\PHASE 1\8850PH1.e08.dwg





PROFILE SCALES  
 HORIZ. 1" = 40'  
 VERT. 1" = 8'

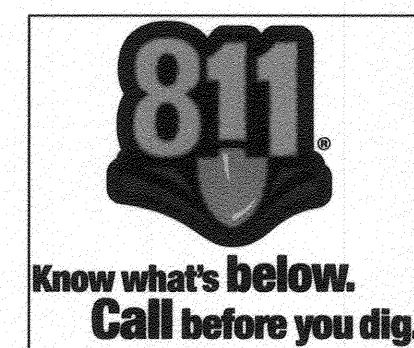
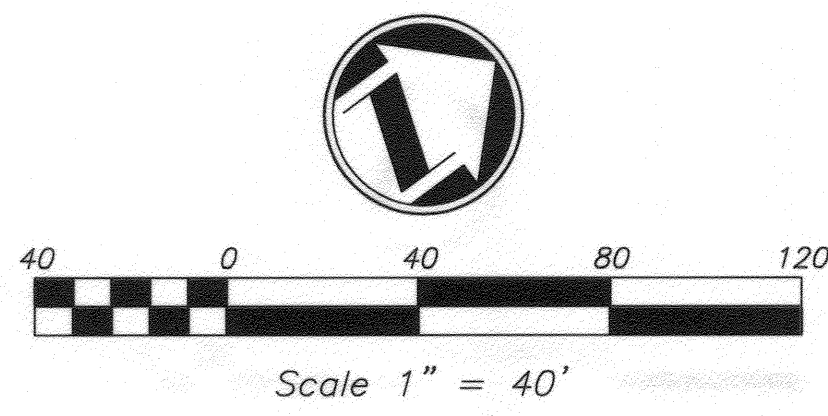


LINE	LENGTH	BEARING
L1	246.34	N36°18'17"E
L2	285.34	N36°18'17"E
L3	246.34	N36°18'17"E
L4	49.67	N07°42'27"W
L5	49.67	N27°57'56"E

CURVE	DELTA	RADIUS	LENGTH	TAN.
C1	90°00'00"	26.00	40.84	26.00
C2	90°00'00"	26.00	40.84	26.00
C3	6°45'48"	237.00	27.98	14.00
C4	16°40'35"	263.00	76.55	38.55
C5	30°14'55"	99.00	52.27	26.76
C6	8°20'14"	99.00	14.47	7.22
C7	32°27'39"	250.00	141.63	72.77
C8	208°40'22"	31.00	112.90	121.30

NOTE:  
 ALL CURVE DATA IS LABELED AT TOP OF DIKE, LOCATED 13'  
 FROM THE CENTERLINE OF THE STREET, BOTH DIRECTIONS.  
 SEE DETAIL ON SHEET 1 FOR TOP OF DIKE LOCATION.  
 \*RADIUS = 27' AT FACE OF DIKE.

- CONSTRUCTION NOTES**
- ① PLACE 4" A.C. OVER 8" C.A.B.
  - ② CONSTRUCT 5" ROLLED A.C. DIKE PER DETAIL ON SHEET 1
  - ③ CONSTRUCT DRIVEWAY APPROACH PER DETAIL ON SHEET 1 (WIDTH PER PLAN)
  - ④ CONSTRUCT CATCH BASIN PER CITY OF RIVERSIDE STD. DWG. NO. 412
  - ⑤ STREET SIGNS PER STREET SIGN SCHEDULE ON SHEET 1



CITY OF RIVERSIDE BUSINESS TAX ACCT. #058833 EXP. 1/1/12

PLANS PREPARED BY:  
**adkan ENGINEERS**  
 Civil Engineering · Surveying · Planning  
 6820 Airport Drive, Riverside, CA 92504  
 Tel: (951) 688-0941 Fax: (951) 688-0599  
 Under the Supervision of: *[Signature]* 7/31/11  
 Charles Leach, R.C.E. 53380 Exp. 06.30.13 Date:

BENCHMARK: E5-B2  
 P.K. NAIL IN THE NORTHERLY END OF THE  
 EASTERLY HEADWALL OF THE GAGE CANAL  
 BRIDGE AT JACKSON STREET.

ELEVATION: 1004.87  
 NGVD 1929

MARK	REVISIONS	APPR.	DATE

DESIGNED BY: BRYAN DRAWN BY: BRYAN CHECKED BY: C-

**CITY OF RIVERSIDE  
 PUBLIC WORKS DEPARTMENT**

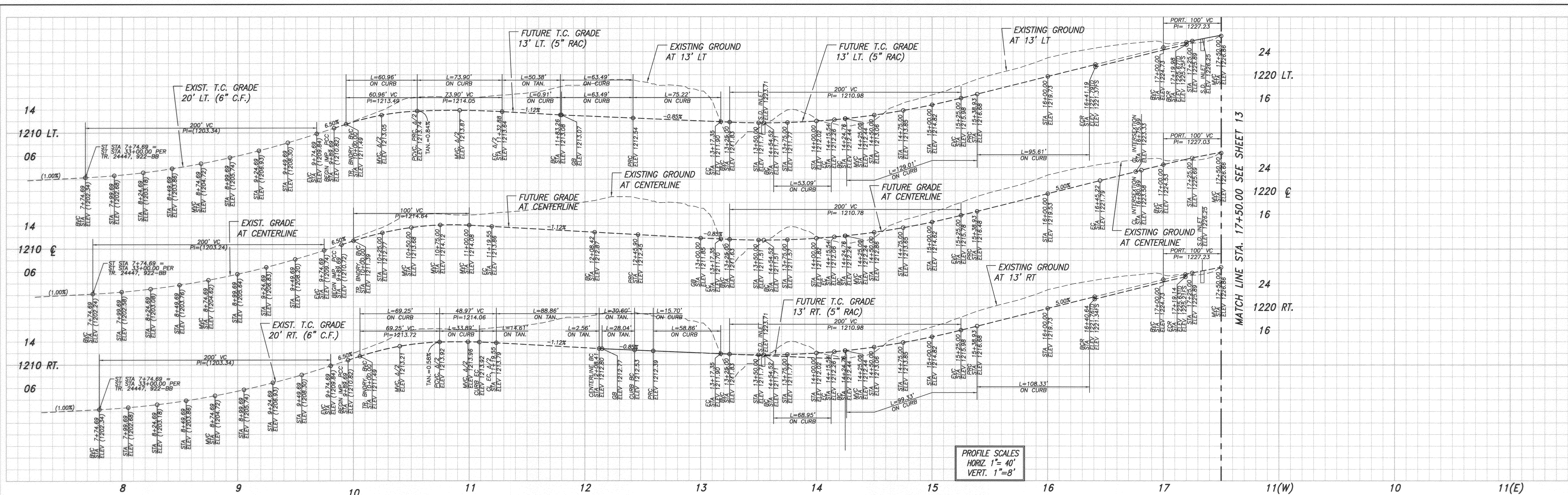
APPROVED BY: *[Signature]* DATE BY: 12/11/11  
 PRINCIPAL ENGINEER  
 TRAFFIC DIVISION

APPROVED BY: *[Signature]* DATE BY: 11-09-2015  
 CITY ENGINEER

PW10-0355	
STREET IMPROVEMENT PLAN	
TRACT 34059-1	
VIA CARRERA	
A.P.N. 245-060-014-8, 245-080-001-8, 245-040-008-1	ACCOUNT NO. R-4196
HORIZ. SCALE: 1" = 40'	VERT. SCALE: 1" = 8'
J.N. 7863	SHEET 7 OF 11

PLOT DATE: 7/13/11



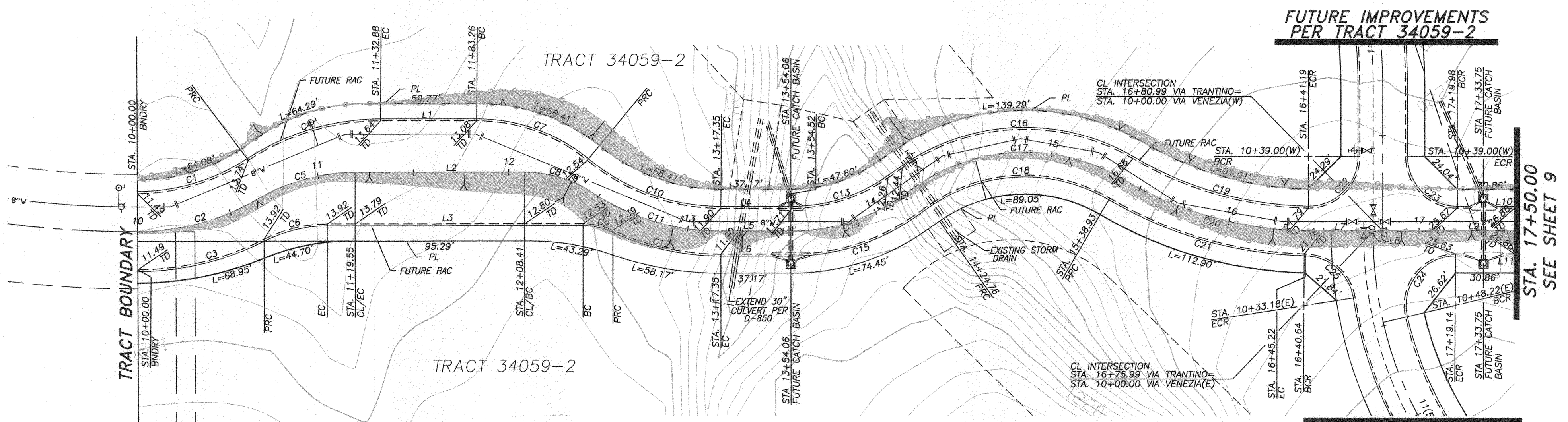


PROFILE SCALES  
 HORIZ. 1" = 40'  
 VERT. 1" = 8'

LINE	LENGTH	BEARING
L1	60.38	N00°01'47"W
L2	68.86	N00°01'47"W
L3	134.07	N00°01'47"W
L4	37.17	N00°01'47"W
L5	37.17	N00°01'47"W
L6	37.17	N00°01'47"W
L7	30.76	N00°01'47"W
L8	5.00	N00°02°01"W
L9	68.01	N00°01°46"W
L10	30.02	N00°01°47"W
L11	30.86	N00°01°47"W

CURVE	DELTA	RADIUS	LENGTH	TANGENT
C1	32°57'03"	106.00	60.96	31.35
C2	30°06'40"	127.00	66.74	34.16
C3	26°48'29"	148.00	69.25	35.27
C4	33°04'42"	128.00	73.90	38.01
C5	30°15'28"	100.00	52.81	27.04
C6	28°58'10"	72.00	33.89	17.27
C7	39°32'30"	92.00	63.49	33.07
C8	33°33'19"	64.00	37.48	19.30
C9	24°58'49"	36.00	15.70	7.97
C10	39°32'30"	109.00	75.22	39.18
C11	33°33'19"	122.00	71.45	36.78
C12	24°58'49"	135.00	58.96	29.90
C13	34°57'47"	87.00	53.09	27.40
C14	34°57'47"	100.00	61.02	31.49
C15	34°57'47"	113.00	68.95	35.59
C16	65°24'50"	113.00	129.01	72.56
C17	65°24'50"	100.00	114.17	64.22
C18	65°24'50"	87.00	99.33	55.87
C19	29°17'43"	187.00	95.61	48.88
C20	30°27'02"	200.00	106.29	54.43
C21	29°08'20"	213.00	108.33	55.36
C22*	91°10'13"	26.00	41.37	26.54
C23*	89°59'07"	26.00	40.83	25.99
C24*	103°04'24"	26.00	46.77	32.73
C25*	79°56'18"	26.00	36.27	21.79

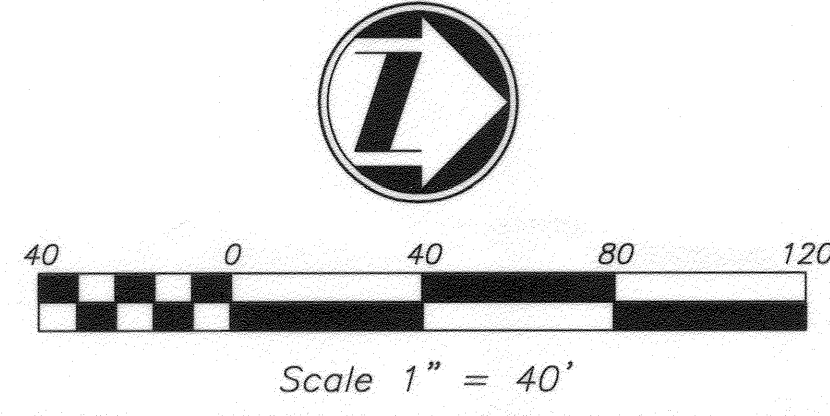
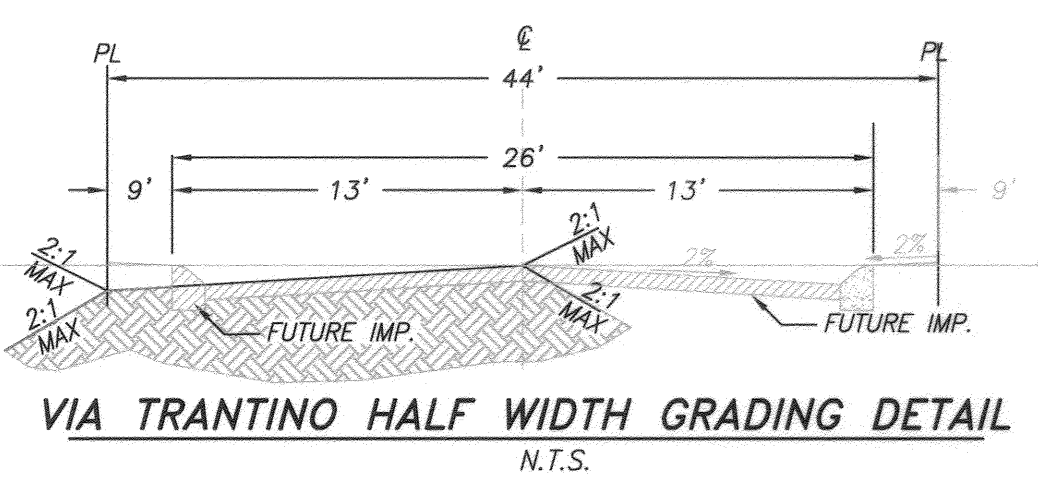
NOTE: ALL CURVE DATA IS LABELED AT TOP OF DIKE, LOCATED 13' FROM THE CENTERLINE OF THE STREET, BOTH DIRECTIONS.  
 \*RADIUS = 27' AT FACE OF DIKE.



### FUTURE VIA TRANTINO

REFER TO GRADING PLANS FOR FINISH GRADE ELEVATIONS  
 GRADING HALF STREET ONLY  
 WESTERLY 22'- CL TO PL

(TO BE PRIVATELY MAINTAINED FROM FUTURE GATE LOCATION TO 30+00.75)



CITY OF RIVERSIDE BUSINESS TAX ACCT: 058833 EXP: 1/1/12  
 PLANS PREPARED BY:  
**adkan ENGINEERS**  
 Civil Engineering · Surveying · Planning  
 6820 Airport Drive, Riverside, CA 92504  
 Tel: (951) 688-0241 Fax: (951) 688-0599  
 Under the supervision of: *[Signature]* 9/3/11  
 Cheopas Leach, R.C.E. 53390 Exp. 06.30.13 Doc: 1

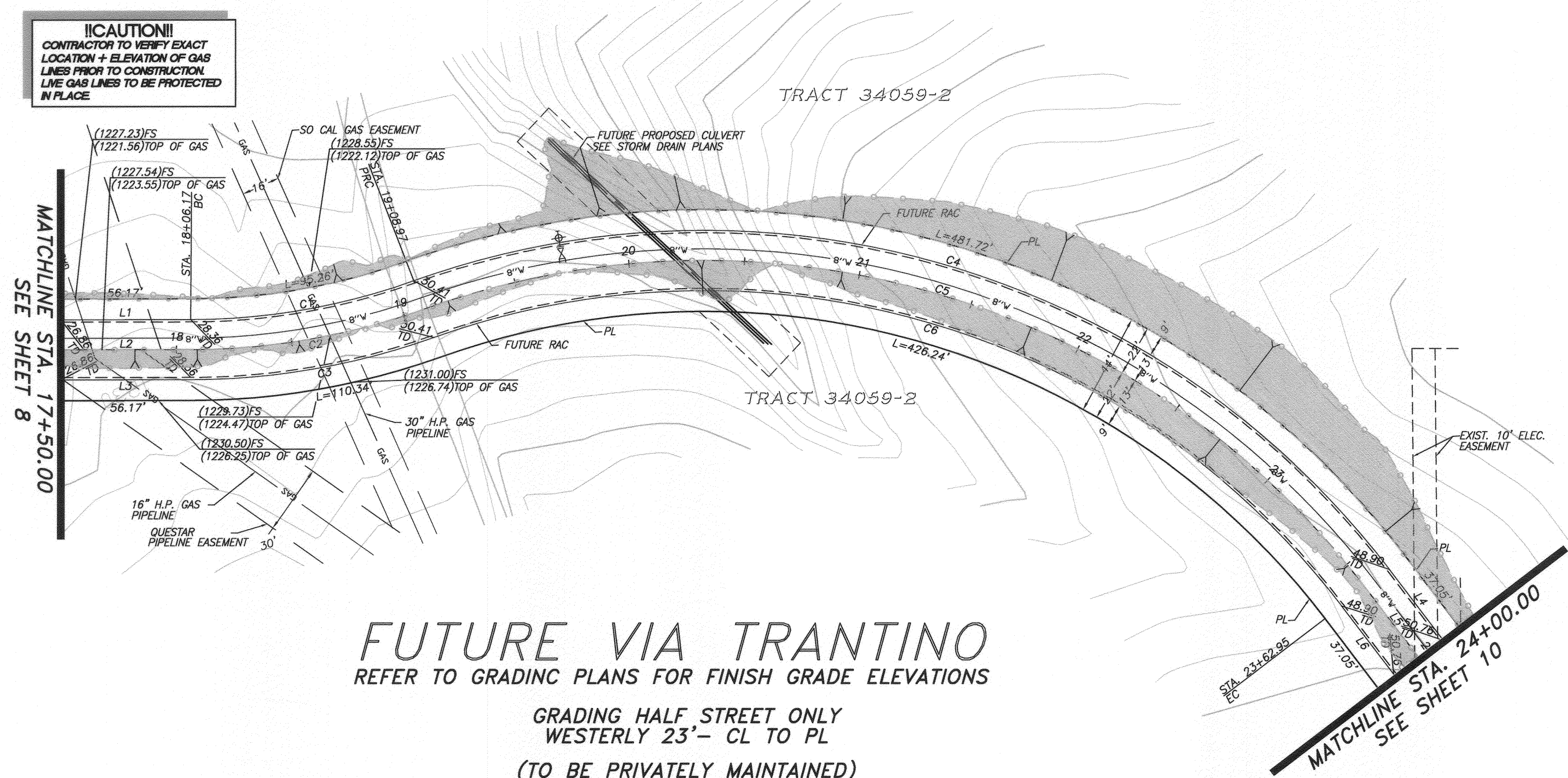
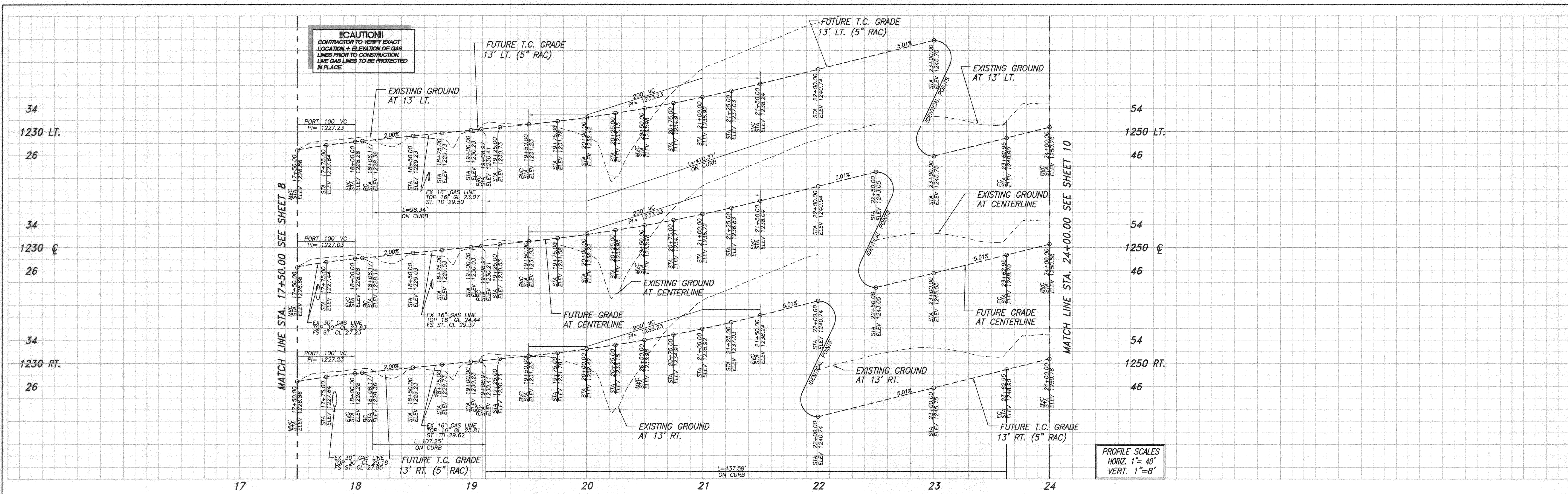
BENCHMARK: E5-B2  
 P.K. NAIL IN THE NORTHERLY END OF THE  
 EASTERLY HEADWALL OF THE GAGE CANAL  
 BRIDGE AT JACKSON STREET.  
 ELEVATION: 1004.87  
 NGVD 1929

**CITY OF RIVERSIDE**  
**PUBLIC WORKS DEPARTMENT**  
 APPROVED BY: *[Signature]* DATE: 11/01/11  
 PRINCIPAL ENGINEER: *[Signature]*  
 TRAFFIC DIVISION: *[Signature]*  
 CITY ENGINEER: *[Signature]*  
 DATE: 11-01-2011

STREET IMPROVEMENT PLAN  
**TRACT 34059-1**  
 FUTURE VIA TRANTINO  
 A.P.N. 245-080-014-B, 245-080-001-B, 245-040-008-1  
 HORIZ. SCALE: AS NOTED VERT. SCALE: N/A

PW10-0355  
 ACCOUNT NO.  
 R-4196  
 SHEET 8 OF 11  
 J.N. 7863



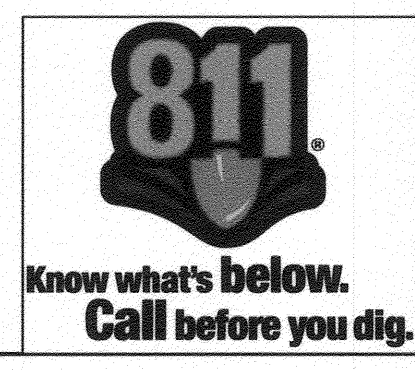
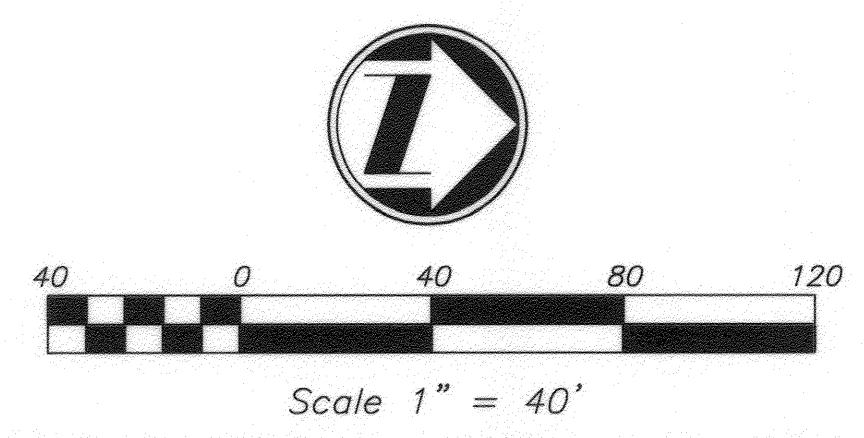


LINE TABLE		
LINE	LENGTH	BEARING
L1	56.17	N00°01'42"W
L2	56.17	N00°01'42"W
L3	56.17	N00°01'42"W
L4	37.05	N52°35'26"W
L5	37.05	N52°35'26"W
L6	37.05	N52°35'26"W

CURVE TABLE				
CURVE	DELTA	RADIUS	LENGTH	TAN.
C1	19°37'58"	287.00	98.34	49.66
C2	19°37'58"	300.00	102.80	51.91
C3	19°37'58"	313.00	107.25	54.16
C4	72°15'11"	373.00	470.37	272.26
C5	72°15'11"	360.00	453.98	262.77
C6	72°15'11"	347.00	437.59	253.28

**NOTE:**  
ALL CURVE DATA IS LABELED AT TOP OF DIKE, LOCATED 13' FROM THE CENTERLINE OF THE STREET, BOTH DIRECTIONS.



CITY OF RIVERSIDE BUSINESS TAX ACCT. #058833 EXP. 1/1/12

PLANS PREPARED BY:  
**adkan ENGINEERS**  
Civil Engineering - Surveying - Planning  
6820 Airport Drive, Riverside, CA 92504  
Tel: (951) 688-0241 Fax: (951) 688-0599

Under the Supervision of: *[Signature]* 7/30/11  
Charles Leach, R.C.E. 53390 Exp. 06.30.13 Date:

BENCHMARK: E5-82  
P.K. NAIL IN THE NORTHERLY END OF THE EASTERLY HEADWALL OF THE GAGE CANAL BRIDGE AT JACKSON STREET.

ELEVATION: 1004.87  
NGVD 1929

MARK	REVISIONS	APPR.	DATE

DESIGNED BY: BRYAN DRAWN BY: BRYAN CHECKED BY: C-

**CITY OF RIVERSIDE PUBLIC WORKS DEPARTMENT**

APPROVED BY: *[Signature]* DATE: 11-09-2005  
PRINCIPAL ENGINEER  
TRAFFIC DIVISION

APPROVED BY: *[Signature]* DATE: 11-23-11  
CITY ENGINEER

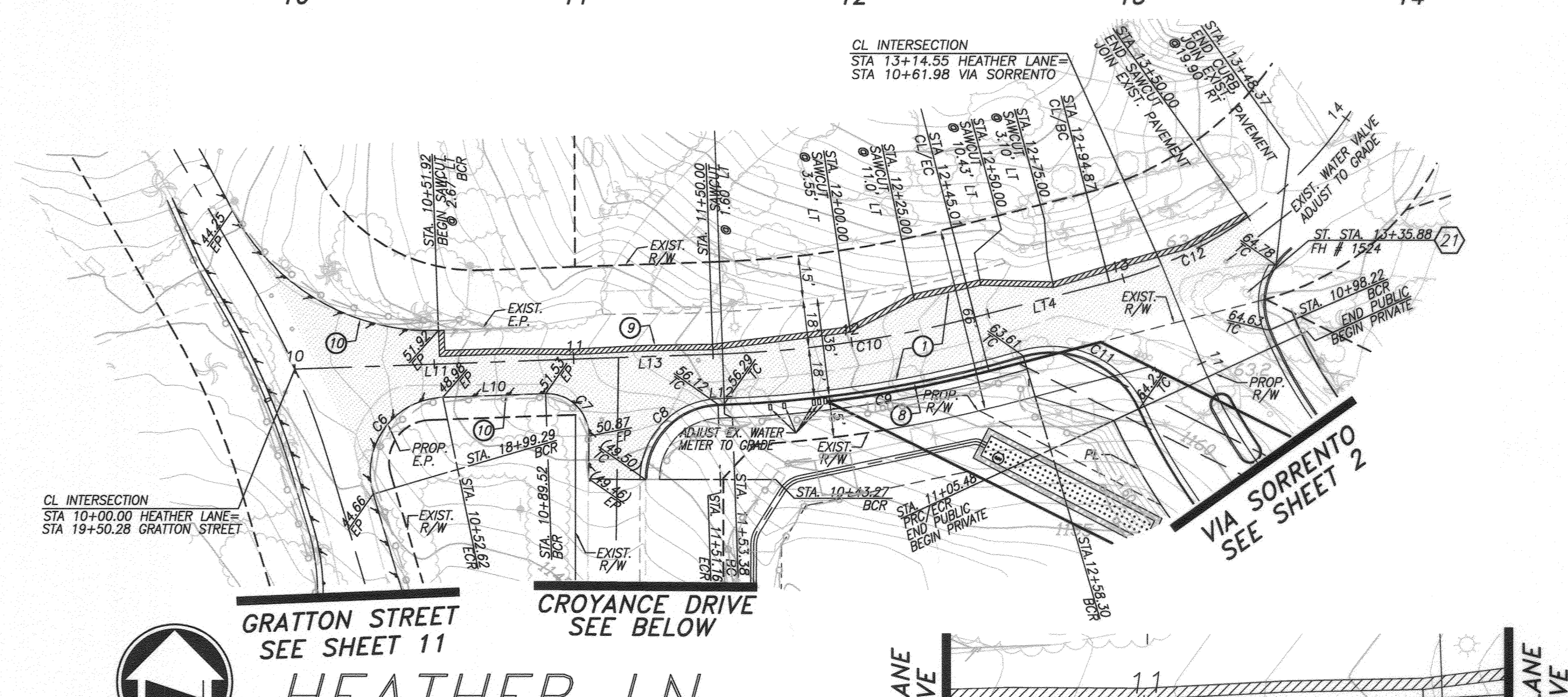
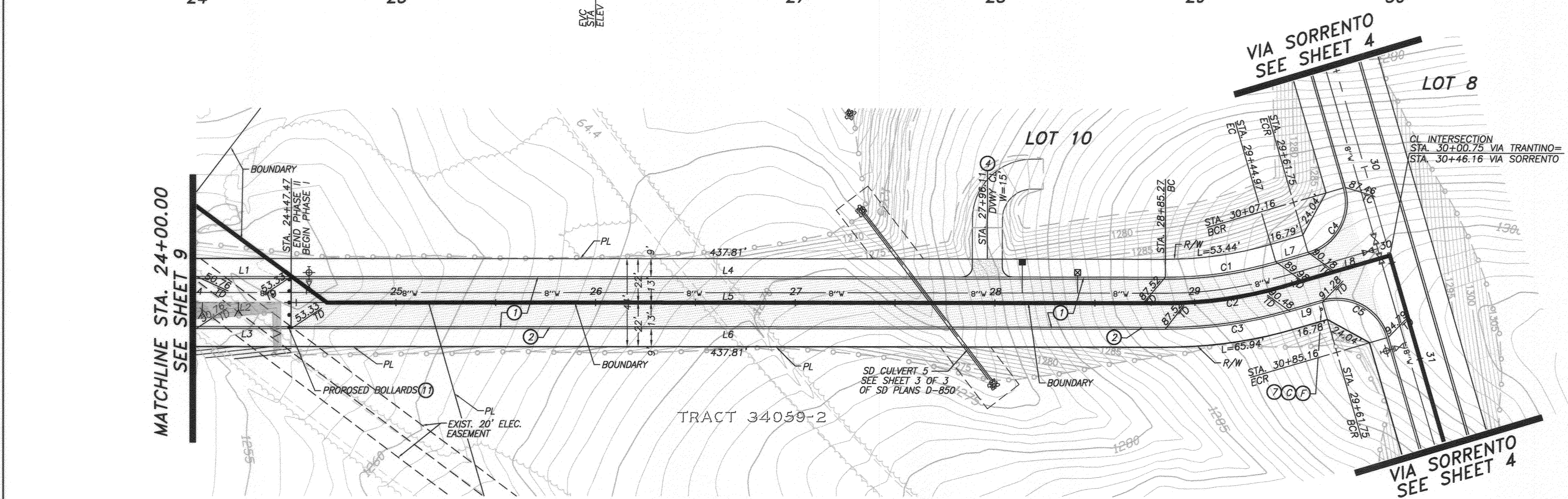
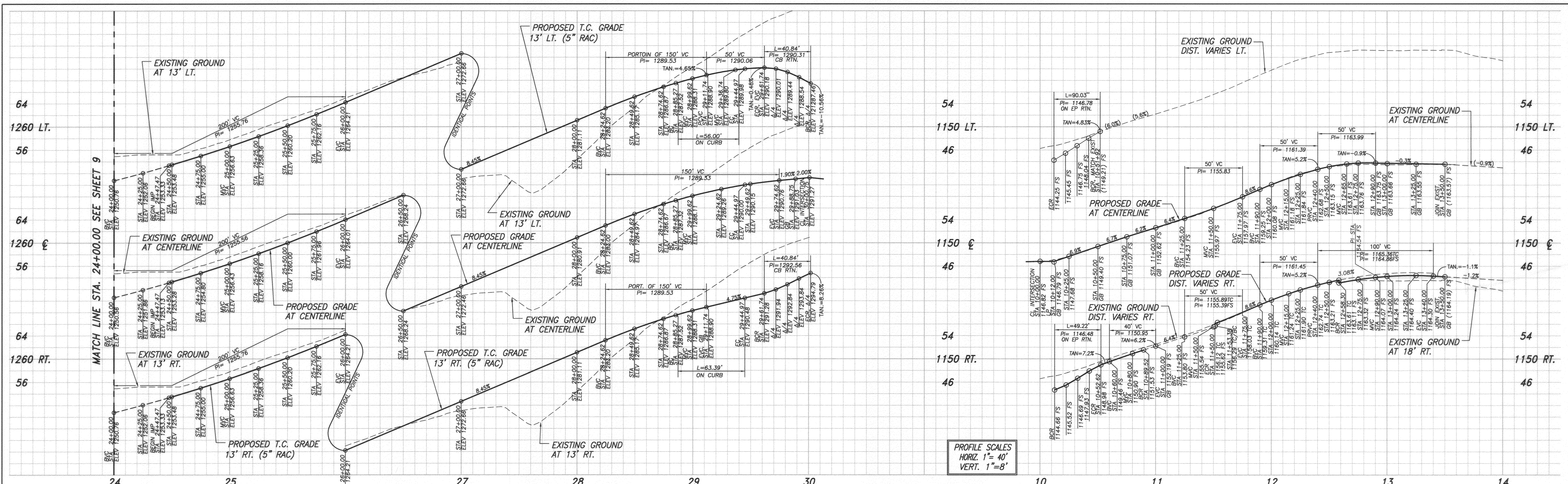
PW10-0355  
ACCOUNT NO.

STREET IMPROVEMENT PLAN  
**TRACT 34059-1**  
**FUTURE VIA TRANTINO**

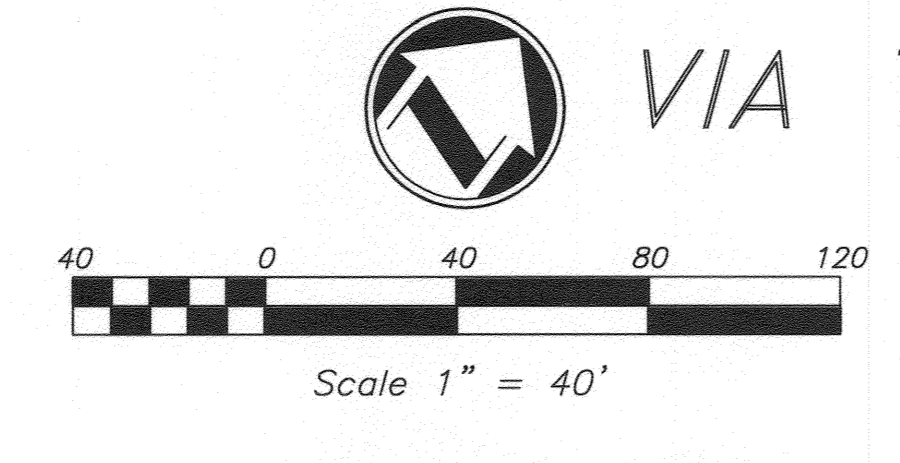
R-4196  
SHEET 9 OF 11

A.P.N. 245-060-014-8, 245-080-001-8, 245-040-008-1  
HORIZ. SCALE: AS NOTED VERT. SCALE: N/A J.N. 7863





- CONSTRUCTION NOTES**
- PLACE 4" A.C. OVER 8" C.A.B.
  - CONSTRUCT 5" ROLLED AC CURB PER DETAIL ON SHEET 1
  - STREET SIGNS PER STREET SIGN SCHEDULE ON SHEET 1
  - CONSTRUCT 6" CURB AND GUTTER PER CITY OF RIVERSIDE STD. DWG. NO. 200 (TYPE I)
  - SAWCUT AND JOIN PER DETAIL ON SHEET 1
  - INSTALL 2"x4" REDWOOD HEADER
  - INSTALL BOLLARDS AT DEAD END



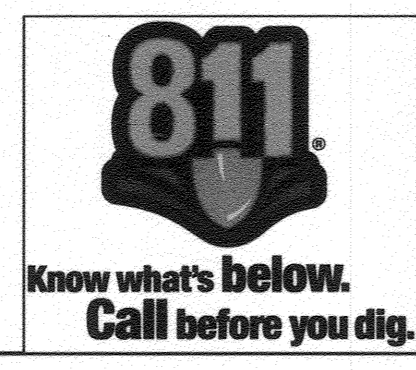
**WATER CONSTRUCTION NOTE BY CITY FORCES**

- 20 EXTEND EXISTING 1" SERVICE
- 21 EXTEND EXISTING FIRE HYDRANT #1524

CITY OF RIVERSIDE WATER DEPT.  
*[Signature]*  
 REVIEWED FOR CONFLICTS BY  
 DATE 10/13/2011

LINE	LENGTH	BEARING
L1	47.47	N52°35'26"E
L2	47.47	N52°35'26"E
L3	47.47	N52°35'26"E
L4	437.81	N52°35'26"E
L5	437.81	N52°35'26"E
L6	437.81	N52°35'26"E
L7	16.78	N36°18'17"E
L8	55.78	N36°18'17"E
L9	16.78	N36°18'17"E
L10	36.91	N87°55'07"E
L11	100.58	N87°55'07"E
L12	2.22	N87°56'29"E
L13	52.80	N87°56'29"E
L14	49.86	N75°26'27"E

CURVE	DELTA	RADIUS	LENGTH	TAN.
C1	16°17'09"	197.00	56.00	28.19
C2	16°17'09"	210.00	59.69	30.05
C3	16°17'09"	223.00	63.39	31.91
C4*	90°00'00"	26.00	40.84	26.00
C5*	90°00'00"	26.00	40.84	26.00
C6	104°27'29"	27.00	49.22	34.84
C7	92°44'07"	15.00	24.28	15.73
C8	87°57'21"	27.00	41.45	26.05
C9	14°14'23"	436.00	108.86	54.71
C10	12°30'02"	420.00	91.63	46.00
C11	81°32'31"	35.00	49.81	30.18
C12	21°03'27"	150.00	55.13	27.88



CITY OF RIVERSIDE BUSINESS TAX ACCT. #058833 EXP. 11/1/12

PLANS PREPARED BY:  
**adkan ENGINEERS**  
 Civil Engineering - Surveying - Planning  
 6820 Airport Drive, Riverside, CA 92504  
 Tel: (951) 688-7242 Fax: (951) 688-0599

Under the Supervision of:  
*[Signature]* 9/26/11  
 Charles Leach, R.C.E. 53380 Exp. 06/30/13 Date:

BENCHMARK: E5-B2  
 P.K. NAIL IN THE NORTHERLY END OF THE  
 EASTERLY HEADWALL OF THE GAGE CANAL  
 BRIDGE AT JACKSON STREET.

ELEVATION: 1004.87  
 NGVD 1929

MARK	REVISIONS	APPR.	DATE

DESIGNED BY: BRYAN DRAWN BY: BRYAN CHECKED BY: C-

**CITY OF RIVERSIDE PUBLIC WORKS DEPARTMENT**

APPROVED BY: *[Signature]* DATE BY: *[Signature]*  
 PRINCIPAL ENGINEER DATE BY: *[Signature]*  
 TRAFFIC DIVISION DATE BY: *[Signature]*

DATE 11-02-2011

STREET IMPROVEMENT PLAN  
**TRACT 34059-1**  
 VIA TRANTINO, HEATHER LN.  
 CROYCANCE DR.

A.P.N. 245-060-014-8, 245-080-001-8, 245-040-008-1

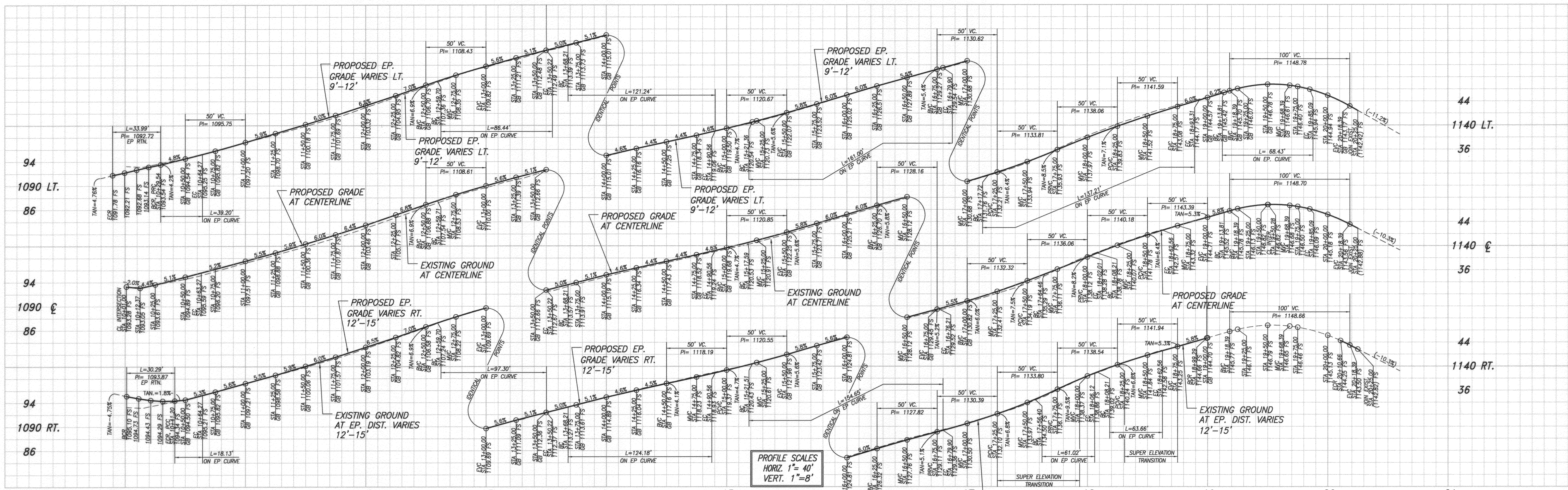
HORIZ. SCALE: AS NOTED VERT. SCALE: N/A

J.N. 7863

ACCOUNT NO. R-4196  
 SHEET 10 OF 11

File name: U:\Projects\Fruicano\7863\Engineering\Street Imp\PHASE 1\6880PH110.dwg  
 Plot date: 7/13/11





**CONSTRUCTION NOTES**

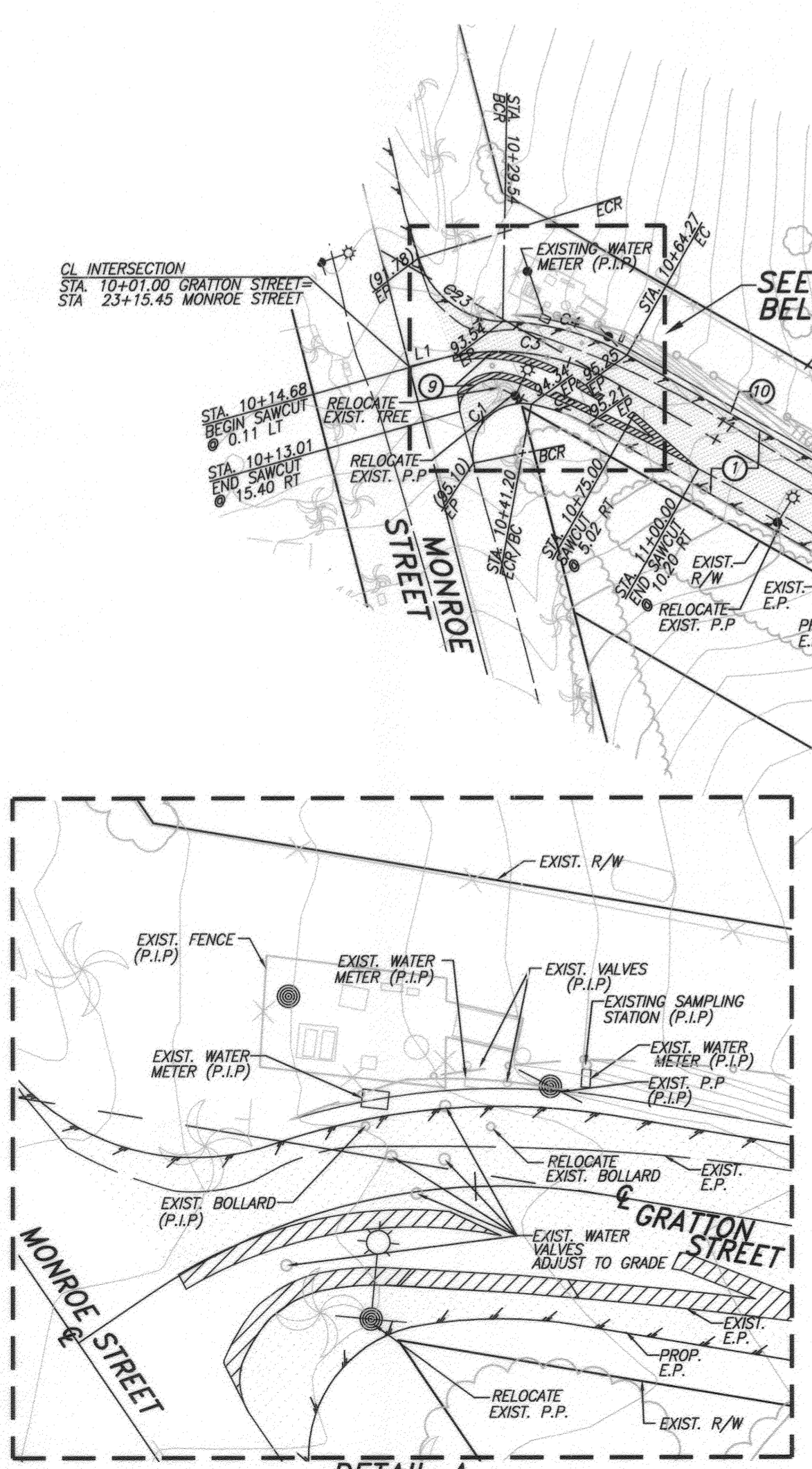
- ① PLACE 4" A.C. OVER 8" C.A.B. PER S.R. R=
- ② SAWCUT AND JOIN PER DETAIL ON SHEET 1
- ⑩ INSTALL 2"x4" REDWOOD HEADER

**WATER CONSTRUCTION NOTE BY CITY FORCES**

- ⑫ EXTEND EXISTING 1" SERVICE
- ⑬ EXTEND EXISTING FIRE HYDRANT #1524

**NOTE**

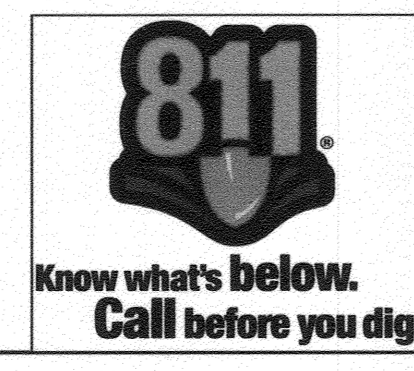
ALL WATER VALVES TO BE ADJUSTED TO GRADE



CITY OF RIVERSIDE WATER DEPT.  
*Matthew Cost*  
 REVIEWED FOR CONFLICTS BY DATE 10/13/2011

**GRATTON ST.**

CITY OF RIVERSIDE BUSINESS TAX ACCT. #058833 EXP. 1/1/12



**adkan ENGINEERS**  
 Civil Engineering · Surveying · Planning  
 6820 Airport Drive, Riverside, CA 92504  
 Tel: (951) 686-0241 Fax: (951) 686-0599  
 Under the Supervision of *Alan* 9/29/11  
 Chartered Geotech. R.C.E. 53390 Exp. 06.30.13 Date:

BENCHMARK: E5-82  
 P.K. NAIL IN THE NORTHERLY END OF THE  
 EASTERLY HEADWALL OF THE GAGE CANAL  
 BRIDGE AT JACKSON STREET.  
 ELEVATION: 1004.87  
 NGVD 1929

MARK	REVISIONS	APPR.	DATE

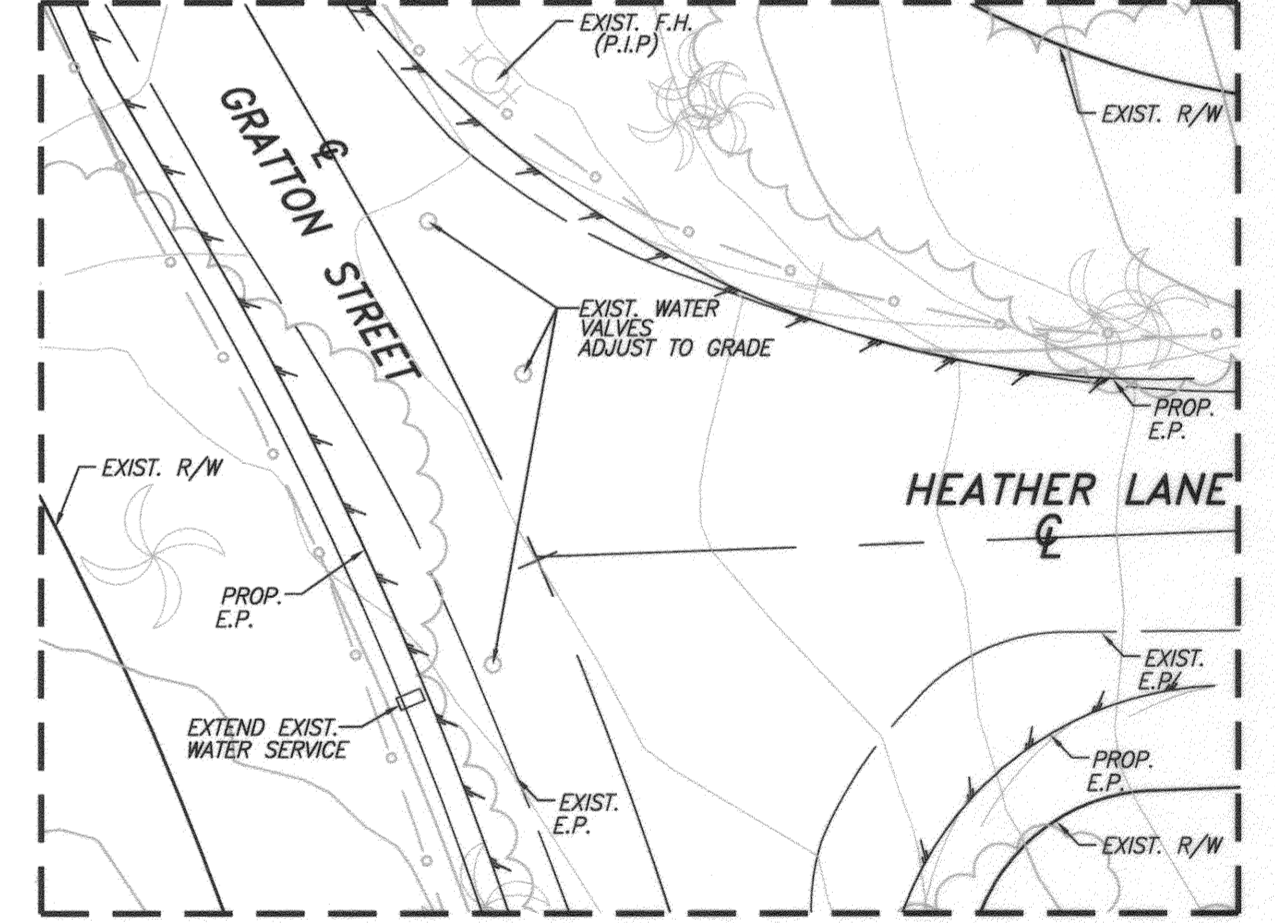
DESIGNED BY: BRYAN DRAWN BY: BRYAN CHECKED BY: C-

**CITY OF RIVERSIDE PUBLIC WORKS DEPARTMENT**

APPROVED BY: *[Signature]* DATE: 10/11/11  
 PRINCIPAL ENGINEER  
 TRAFFIC DIVISION  
 APPROVED BY: *[Signature]* DATE: 10/11/11  
 CITY ENGINEER

**STREET IMPROVEMENT PLAN TRACT 34059-1 GRATTON STREET**

A.P.N. 245-060-014-8, 245-080-001-8, 245-040-008-1  
 HORIZ. SCALE: AS NOTED VERT. SCALE: N/A  
 J.N. 7863  
 SHEET 11 of 11  
 ACCOUNT NO. R-4196



CURVE TABLE				LINE TABLE	
CURVE	DELTA	RADIUS	LENGTH	LINE	LENGTH BEARING
C1	115°41'47"	15.00	30.29	L1	9.80 N55°45'09"E
C2	18°53'10"	55.00	18.13	L2	195.43 N80°28'36"W
C3	43°46'14"	70.00	53.48	L3	195.43 N80°28'36"W
C4	28°25'58"	79.00	39.20	L4	195.43 N80°28'36"W
C5	25°55'47"	215.00	97.30	L5	17.99 N73°35'37"E
C6	25°55'47"	200.00	90.52	L6	17.99 N73°35'37"E
C7	25°55'47"	191.00	86.44	L7	17.99 N73°35'37"E
C8	7°00'35"	1015.00	124.18	L8	30.86 N66°35'02"E
C9	7°00'35"	1000.00	122.35	L9	27.03 N66°35'02"E
C10	7°00'35"	991.00	121.24	L10	30.86 N66°35'02"E
C11	15°08'48"	585.00	154.65	L11	76.50 N81°43'50"E
C12	15°08'48"	600.00	158.62	L12	88.26 N81°43'50"E
C13	15°08'48"	609.00	161.00	L13	37.82 N81°43'50"E
C14	53°42'11"	65.00	61.02	L14	2.08 N27°56'39"E
C15	53°42'11"	40.00	37.55	L15	6.20 N27°56'39"E
C16	98°16'13"	80.00	137.21	L16	36.73 N16°32'22"W
C17	44°28'02"	82.00	63.66	L17	51.26 N16°32'22"W
C18	44°28'02"	70.00	54.35	L18	20.50 N16°32'22"W
C19	104°27'29"	27.00	49.22	L19	14.95 N30°09'10"W
C20	133°36'42"	32.00	71.28	L20	25.40 N24°02'19"W
C21	133°36'42"	288.00	68.43	L21	40.21 N30°09'10"W
C22	64°28'40"	80.00	90.03	L22	14.65 N28°05'44"W
C23	72°07'28"	27.00	33.99	L23	19.66

