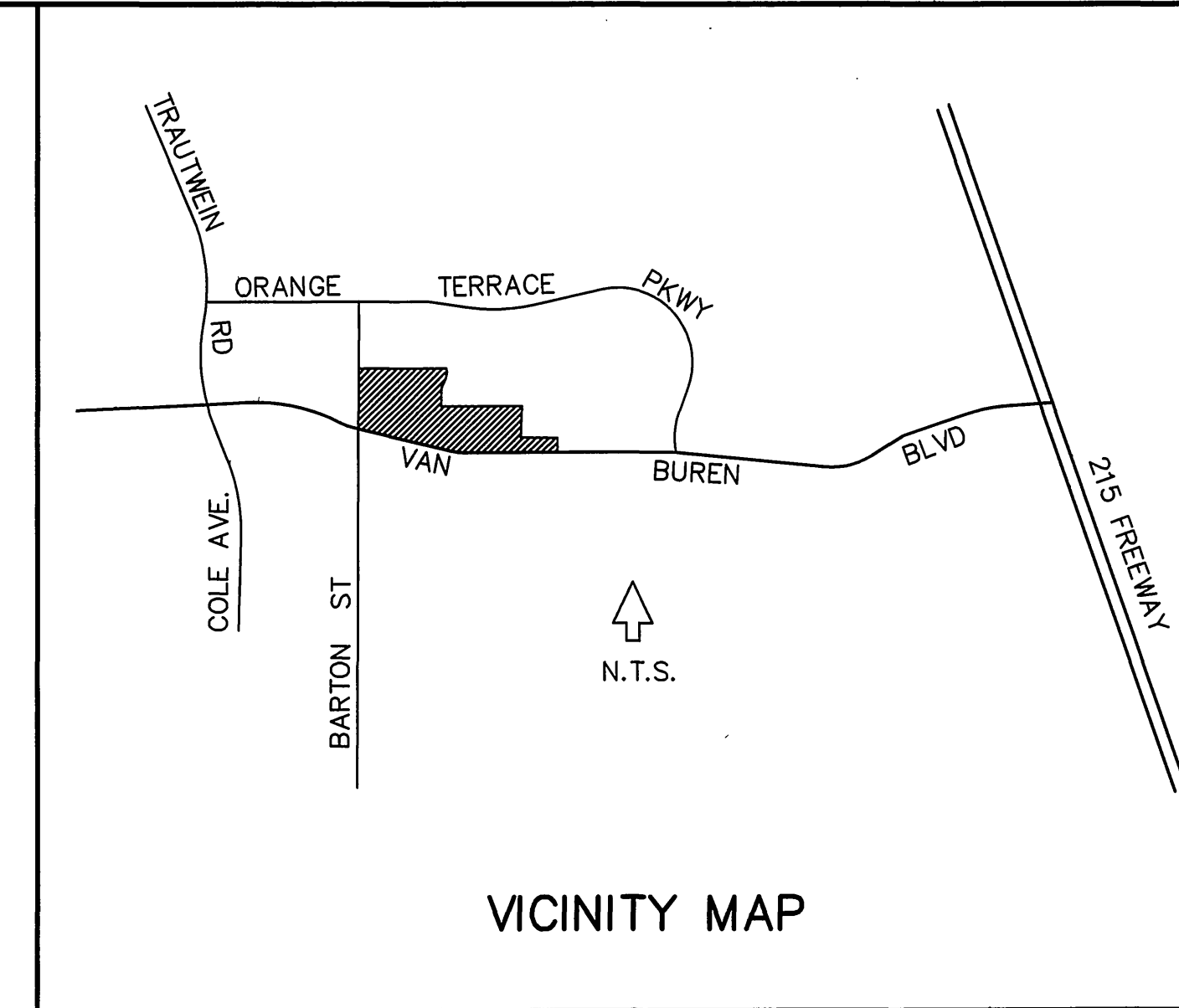
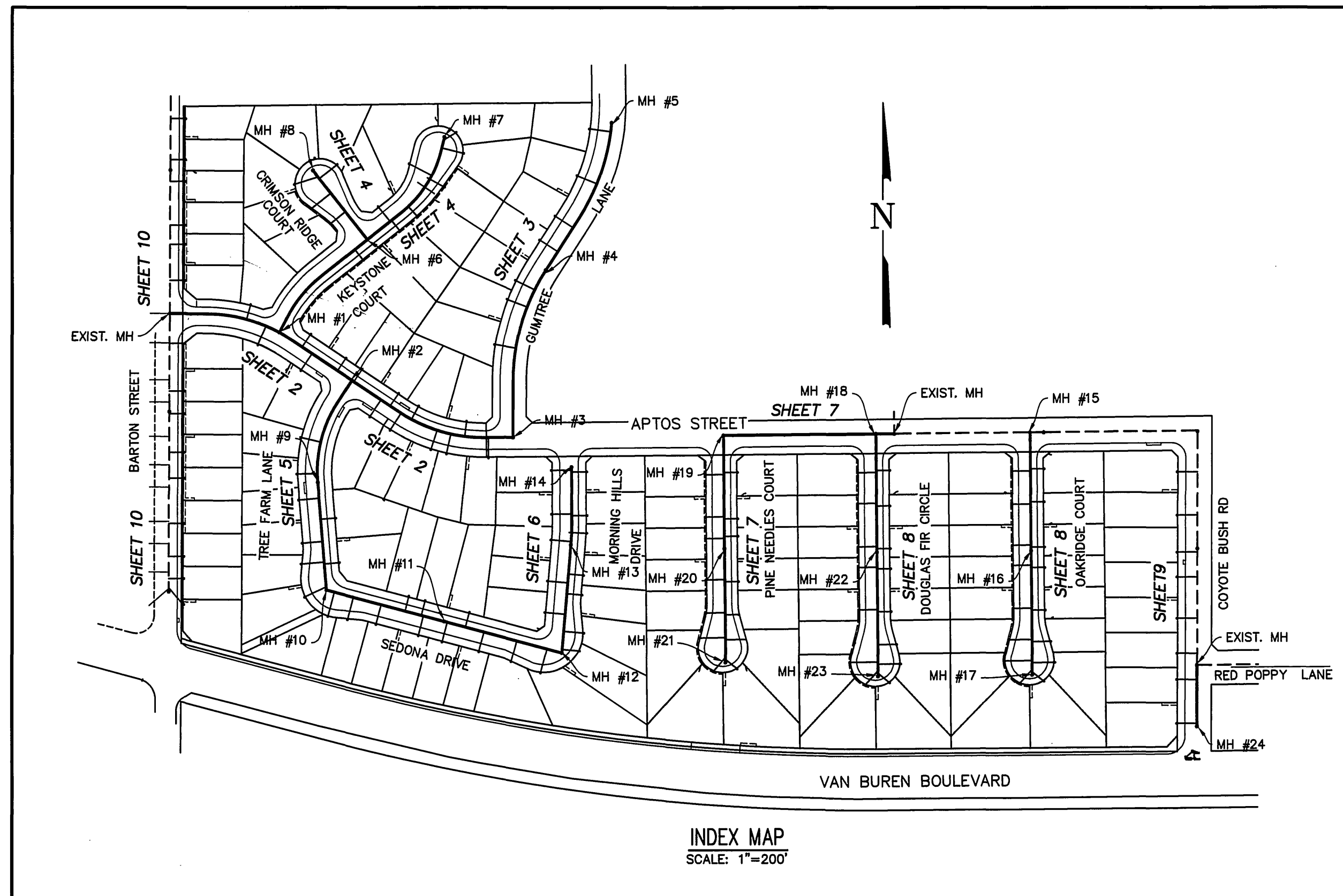


GENERAL NOTES

GENERAL SEWER NOTES

1. 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 AND ACCEPTABLE SOLUTION AND REVISING THE PLANS FOR APPROVAL BY THE CITY.
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, GAS LINES AND APPURTENANCES AND AT NO COST TO THE CITY.
3. CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE CITY OF RIVERSIDE DEPT. OF PUBLIC WORKS, STD. DWGS., ITS SUPPLEMENTAL NOTES AND THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, CURRENT EDITION.
4. LOCATION OF LATERALS TO BE DETERMINED IN THE FIELD AT THE DIRECTION OF THE OWNER. AVOID CONFLICT WITH PROPOSED AND/OR EXISTING FACILITIES.
5. CONTRACTOR IS TO VERIFY EXISTING SEWER ELEVATION PRIOR TO CONSTRUCTION.
6. THE SEWER CONTRACTOR SHALL ADJUST MANHOLES TO FINAL GRADE AFTER PAVING IS COMPLETED.
7. NO FINISHED FLOOR ELEVATION SHALL BE LESS THAN 6" ABOVE THE UPPER MANHOLE RIM ELEVATION OF THE SEWER LINE SEGMENT BEING CONNECTED TO, WITHOUT HAVING A PROPER BACKWATER VALVE INSTALLED IN THE LATERAL.
8. A PLUG SHALL BE INSTALLED AND WILL REMAIN IN PLACE WHERE THE NEW SEWER CONNECTS WITH THE EXISTING SEWER UNTIL THE NEW SEWER IS ACCEPTED BY THE CITY OF RIVERSIDE.
9. ALL MANHOLES TO BE CITY OF RIVERSIDE STANDARD NO. 500.
10. ALL FLAGGED ELEVATIONS SHALL BE STAKED IN THE FIELD BY THE PRIVATE ENGINEER.
11. THE CONTRACTOR SHALL CALL IN A LOCATIONS REQUEST TO UNDERGROUND SERVICE ALERT (USA), PHONE NO. 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.
12. THE DEVELOPER SHALL BE RESPONSIBLE FOR PRESERVING OR REESTABLISHING AND REFERENCING SURVEY MONUMENTS DESTROYED, DISTURBED OR BURIED AS A RESULT OF CONSTRUCTION SHOWN HEREON.
13. TRENCH BACKFILL TO BE PER CITY OF RIVERSIDE STD. NO. 453.
14. QUANTITIES SHOWN ARE FOR INFORMATION ONLY AND THE CITY OF RIVERSIDE IS NOT RESPONSIBLE FOR THEIR ACCURACY.
15. ANY TRAFFIC CONTROL STRIPING OBLITERATED AND/OR BADLY WORN DURING CONSTRUCTION SHALL BE RESTORED BY THE CONTRACTOR WITHIN FIVE DAYS AFTER NOTIFICATION FROM THE CITY INSPECTORS.
16. NO PERSON SHALL PERFORM ANY CONSTRUCTION ACTIVITY OR INSTALL ANY OBJECTS WITHIN THE PUBLIC RIGHTS-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.
17. PIPE BEDDING SHALL BE CASE II PER CITY STD DRAWING NO 452.

SEWER IMPROVEMENT PLANS FOR TRACT 29362-1



CONSTRUCTION NOTES AND ESTIMATED QUANTITIES^(a)

1	CONSTRUCT SEWER MANHOLE PER STD DWG NO 500	24	EA
2	CONSTRUCT 8" PVC SEWER LINE SDR-35	5,103	LF
3	CONSTRUCT 4" SEWER LATERAL WITH PL CEANOUT PER STD DWG 562A	134	EA
4	REMODEL EXISTING SEWER MANHOLE BASE TO ACCOMMODATE NEW INLET	3	EA
5	CORE DRILL EXISTING 8" SEWER AND PROVIDE SADDLE CONNECTION	20	EA

(a) STD DWG REFERS TO CITY OF RIVERSIDE STANDARD DRAWING

PRIVATE ENGINEER'S NOTICE TO CONTRACTOR

SAFETY RESPONSIBILITY

Contractor agrees that he shall assume sole and complete responsibility for job site conditions during the course of construction of this project, including safety of all persons and property, that the requirements shall apply continuously and not be limited to normal working hours; and that the contractor shall defend, indemnify and hold the owner and the engineer harmless from any and all liability, real or alleged, in connection with the performance of work on this project, excepting for liability arising from the sole negligence of the owner or the engineer.

EXISTING UNDERGROUND STRUCTURES

The existence and location of any underground utilities or structures shown in these plans are obtained by a search of available records. To the best of our knowledge, there are no existing utilities except as shown on these plans. The contractor is required to take all precautionary measures to protect the utilities shown, and any other lines or structures not shown on these plans, and is responsible for the protection of, and any damage to these lines or structures. The contractor shall call Digalert and have all utilities marked before digging.

THIELMANN ENGINEERS

AS BUILT

INFORMATION OBTAINED FROM:

Owners Records, Engineers Records
Contractors Records, Date 6-2-03
By *Jim Thielmann*

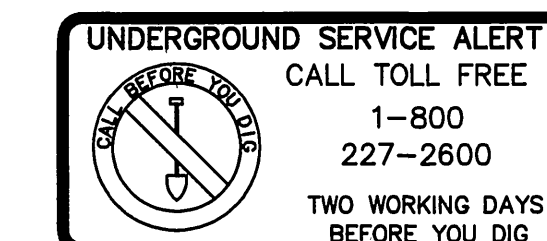
CITY OF RIVERSIDE
PUBLIC UTILITIES DEPARTMENT-ELECTRIC
OVERHEAD & UNDERGROUND
John Henry 5-17-00
APPROVED BY DATE

CHARTER COMMUNICATIONS
Jim D. Farrell 5-16-00
REVIEWED BY: DATE

CITY OF RIVERSIDE ELECTRIC
REVIEWED BY: DATE

SOUTHERN CALIFORNIA GAS COMPANY
Paul Ramsey 5/16/00
REVIEWED BY: DATE

REVIEWED BY:
WESTERN MUNICIPAL WATER DISTRICT
for Non-Interference Compliance
Sheet 1 through 10
Jeff Sims
Civil Engineer 48212
DATE: May 16, 2000



* AS-BUILT 10-07-03 *JH*

BENCH MARK No. GPS-67 ELEV. 1757.219
LOCATION: 1 1/4" BRASS CAP IN A WELL MONUMENT, 5' DEEP IN THE CENTER OF BARTON ROAD, 230 FT SOUTHERLY OF THE INTERSECTION WITH VAN BUREN BLVD. 1991 ADJ

Thielmann Engineers

221 S GLASSELL ST
ORANGE, CA 92666
(714) 744-9700, FAX (714) 744-9312

CITY BUSINESS TAX CERTIFICATE NO. 75345 EXP DATE 5/12/01

DATE	BY	MARK	APPR. DATE
	ENGINEER		
	DESIGNED BY	REVISIONS	CHECKED BY
	JT		GT



PREPARED BY DATE 5-15-00
Jim Thielmann
JENS THIELMANN
R.C.E. No. 25742 EXP. DATE 12/31/01

CITY OF RIVERSIDE
PUBLIC WORKS DEPARTMENT

APPROVED BY DATE BY
PRINCIPAL ENGINEER *Jeff Sims* 5/16/00
P.W. ENG'G MANAGER *Jeff Sims*
APPROVED BY
R. McSwirth
PUBLIC WORKS DIRECTOR
DATE 6-06-2000

SEWER IMPROVEMENT PLAN

TRACT 29362-1
SEWER IMPROVEMENT PLANS

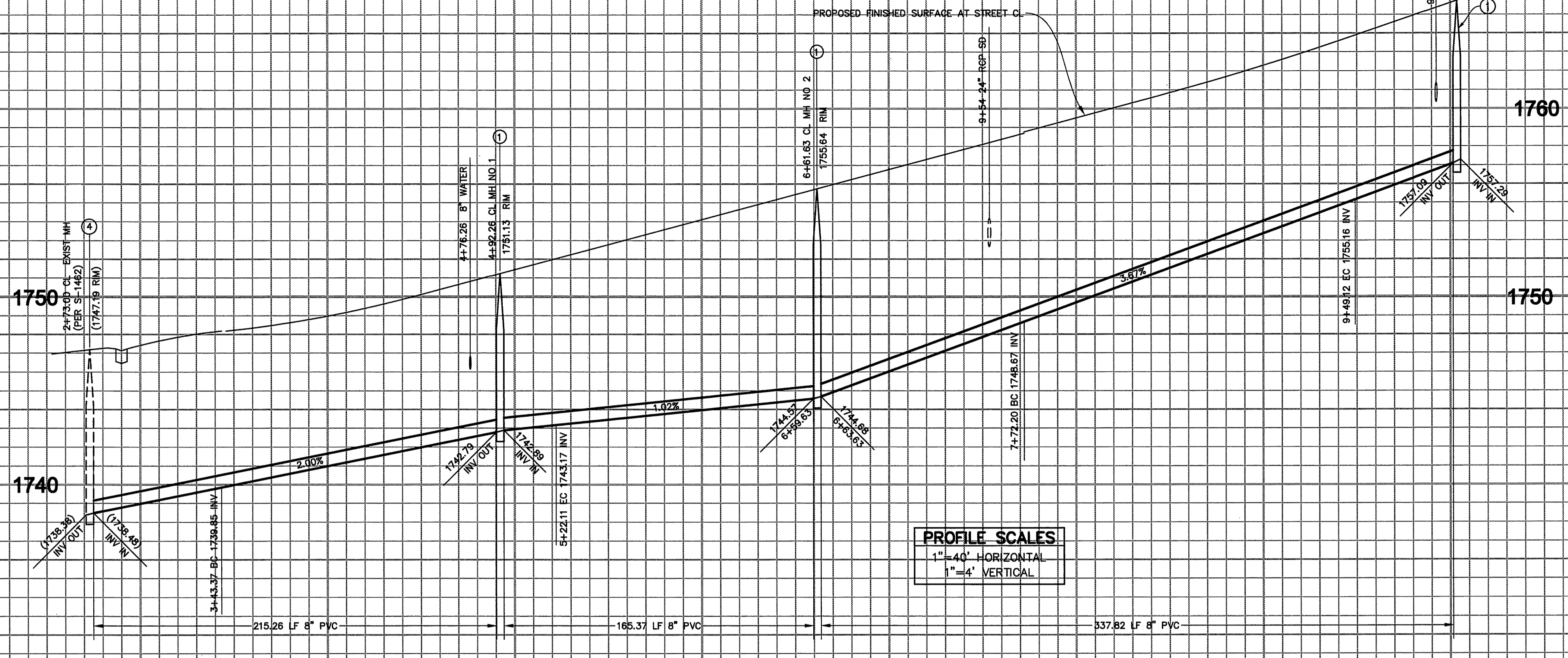
TITLE SHEET

ACCOUNT NO

S-1725

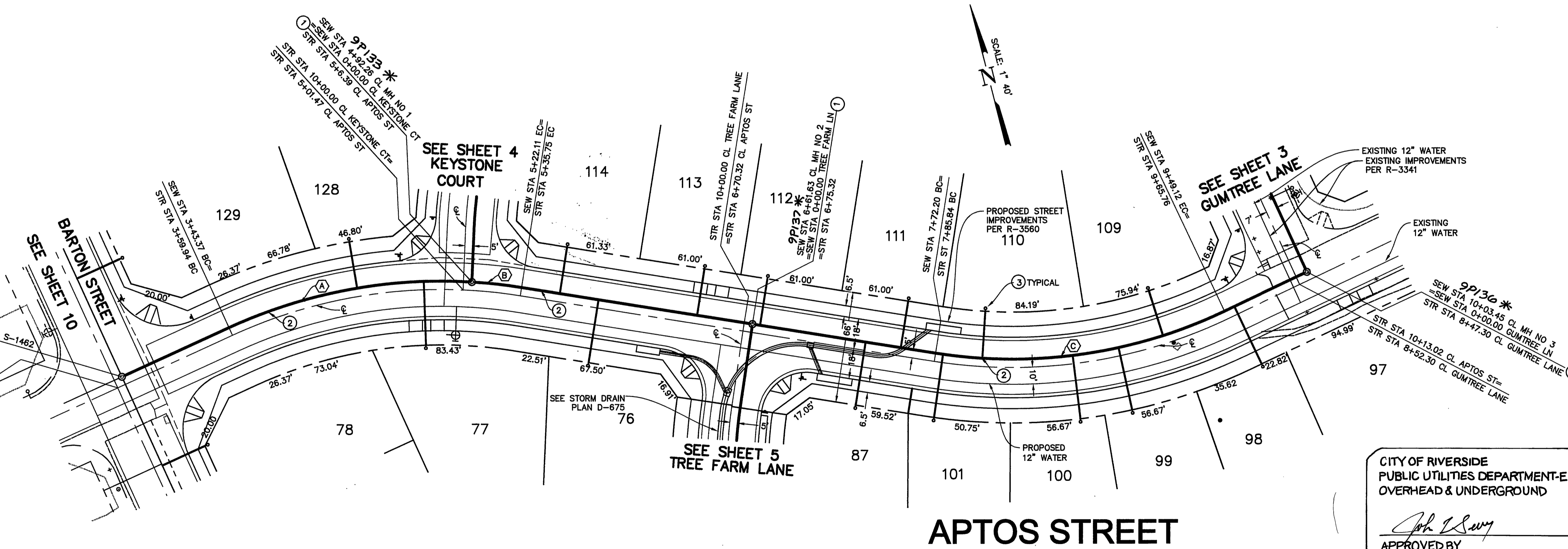
SHEET 1 OF 10

INDEXED 6-20-2000 *JH*



2 3 4 5 6 7 8 9 10

THIELMANN ENGINEERS
AS BUILT
INFORMATION OBTAINED FROM
Owens Research, Singapore Records
Contractors Records, Date 6-2-03
By *Jens Thielmann*



- CONSTRUCTION NOTES (a)
- CONSTRUCT SEWER MANHOLE PER STD DWG NO 500
 - CONSTRUCT 8" PVC SEWER LINE, SDR-35
 - CONSTRUCT 4" SEWER LATERAL WITH PL CLEANOUT PER STD DWG 562A
 - REMODEL EX MANHOLE BASE TO ACCOMMODATE NEW INLET
- (a) STD DWG REFERS TO CITY OF RIVERSIDE STANDARD DRAWING

SEWER LAT STA	LOT	STA
	76	5+88.62
	77	4+92.26
	77	7+26.63
	98	9+55.58
	99	8+82.04
	100	8+54.30
	101	7+76.64
	109	9+09.58
	110	8+00.31
	111	7+51.20
	112	6+46.20
	113	6+28.20
	114	5+44.20
	128	4+52.26

CURVE DATA

NUMBER	DELTA ANGLE	TANGENT	RADIUS	ARC LENGTH
(A)	27°58'13"	75.96	305.00	148.89
(B)	05°36'26"	14.94	305.00	29.85
(C)	134°21'45"	91.21	295.00	176.92

CITY OF RIVERSIDE
PUBLIC UTILITIES DEPARTMENT-ELECTRIC
OVERHEAD & UNDERGROUND

APPROVED BY: *John DeWitt* DATE: 5-17-00



CHARTER COMMUNICATIONS
REVIEWED BY: *Jens Thielmann* DATE: 5-16-00

CITY OF RIVERSIDE ELECTRIC
REVIEWED BY: _____ DATE: _____

SOUTHERN CALIFORNIA GAS COMPANY
REVIEWED BY: *Stan Romo* DATE: 5/16/00

WESTERN MUNICIPAL WATER DISTRICT
REVIEWED BY: _____ DATE: May 16, 2000

BENCH MARK No. GPS-67 ELEV. 1757.219
LOCATION: 1 1/4" BRASS CAP IN A WELL MONUMENT, 5' DEEP IN THE CENTER OF BARTON ROAD, 230 FT SOUTHERLY OF THE INTERSECTION WITH VAN BUREN BLVD. 1991 ADJ

Thielmann Engineers
221 S GLASSSELL ST
ORANGE, CA 92666
(714) 744-9700, FAX (714) 744-9312

DATE	BY	MARK	REVISIONS	APPR.	DATE
DESIGNED BY	JT			CHECKED BY	GT
DRAWN BY	JS				



PREPARED BY: *Jens Thielmann* DATE: 4-14-00
R.C.E. No. 25742 EXP. DATE 12/31/01

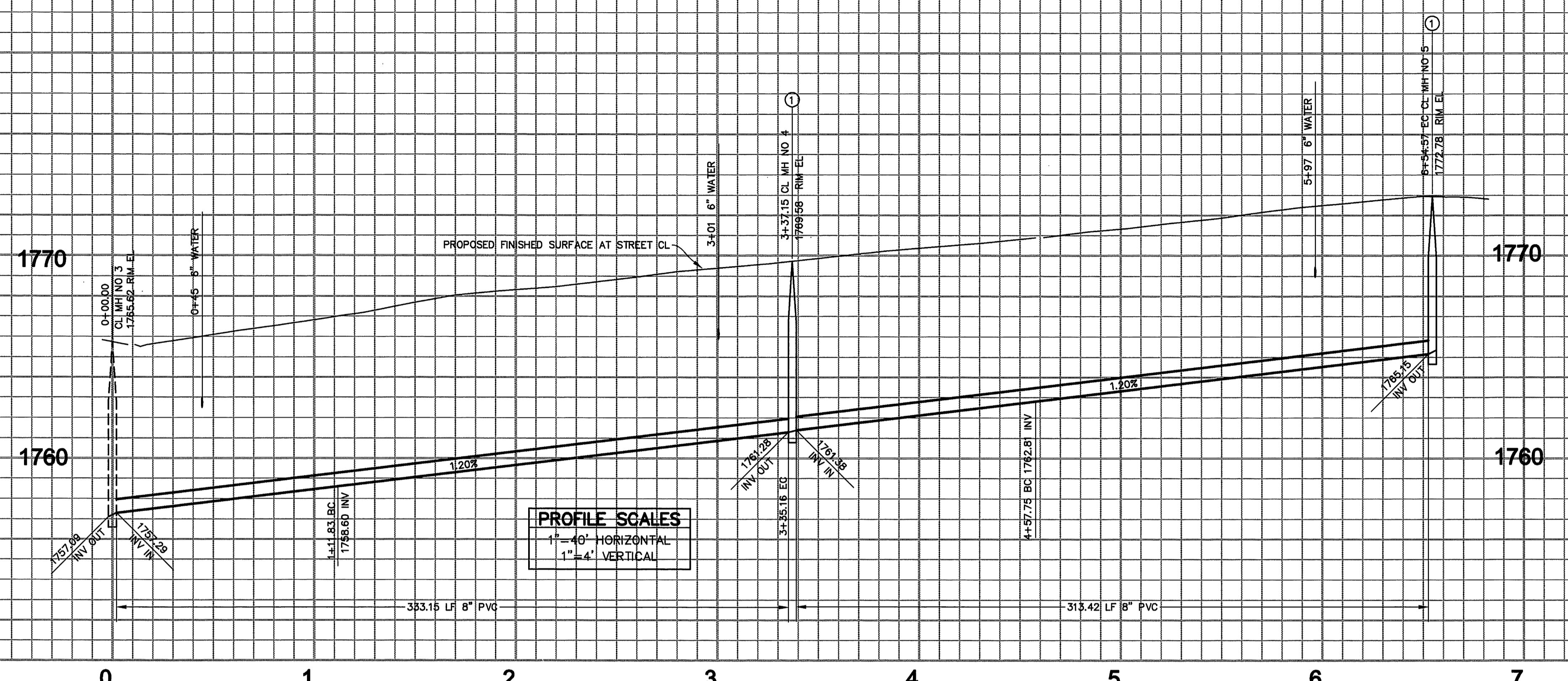
CITY OF RIVERSIDE
PUBLIC WORKS DEPARTMENT

APPROVED BY: _____ DATE: 6/5/00
PRINCIPAL ENGINEER
TRAFFIC DIVISION
P.W. ENG'G MANAGER

SEWER IMPROVEMENT PLAN
TRACT 29362-1
PLAN AND PROFILE
FROM STA 2+73.00 TO STA 10+03.45
APTOS STREET

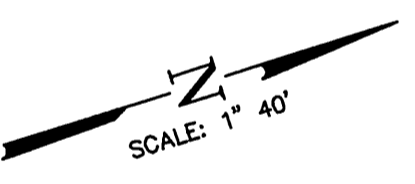
ACCOUNT NO
S-1725
SHEET 2 OF 10

INDEXED 6-2-2000 4#



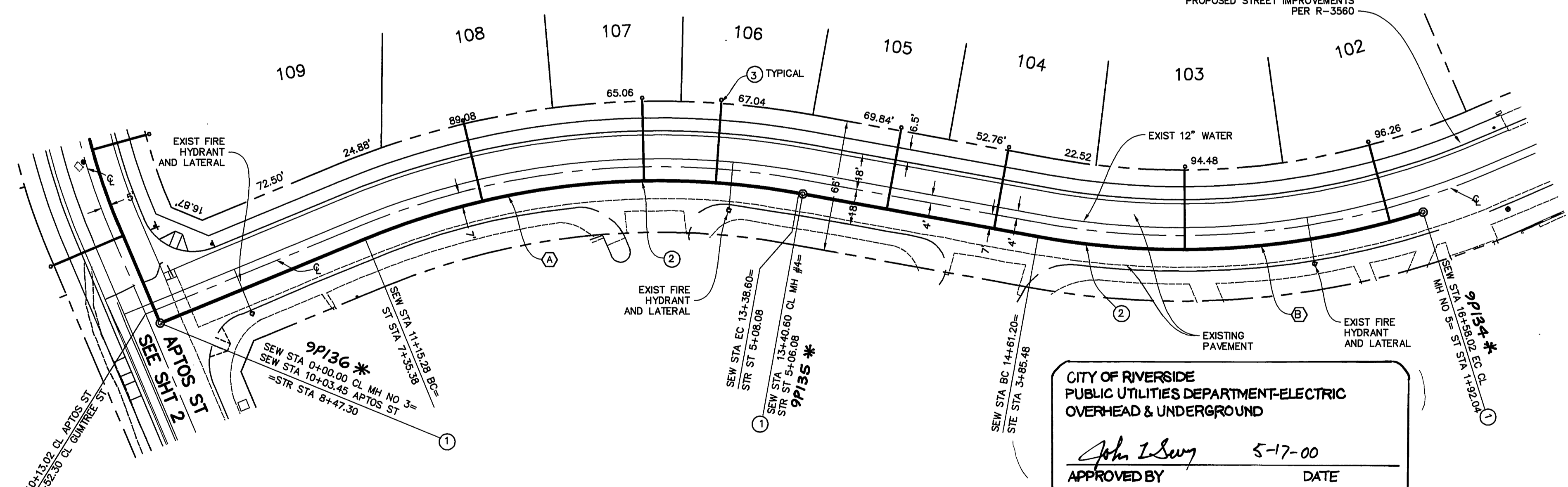
PROFILE SCALES
 1" = 40' HORIZONTAL
 1" = 4' VERTICAL

SEWER LAT STA	LOT	STA
	102	6+36.95
	103	5+32.17
	104	4+35.22
	105	3+80.15
	106	2+92.84
	107	2+56.61
	108	1+66.30



CONSTRUCTION NOTES (a)

- ① CONSTRUCT SEWER MANHOLE PER STD DWG NO 500
 - ② CONSTRUCT 8" PVC SEWER LINE SDR-35
 - ③ CONSTRUCT 4" SEWER LATERAL WITH PL CLEANOUT PER STD DWG 562A
- (a) STD DWG REFERS TO CITY OF RIVERSIDE STANDARD DRAWING



**CITY OF RIVERSIDE
 PUBLIC UTILITIES DEPARTMENT-ELECTRIC
 OVERHEAD & UNDERGROUND**
 Approved by: *John Lewis* DATE: 5-17-00

CURVE DATA

NUMBER	DELTA ANGLE	TANGENT	RADIUS	ARC LENGTH
(A)	32°33'29"	114.76	393.00	223.32
(B)	27°42'29"	100.38	407.00	196.82



* AS-BUILT 10-07-03 LHM

THEILMANN ENGINEERS
AS BUILT
 INFORMATION OBTAINED FROM
 Owners Records, Engineers Records,
 Construction Records, Date 6-2-03
 By: *Jens Thielmann*

CHARTER COMMUNICATIONS
 REVIEWED BY: *Jens Thielmann* DATE: 5-16-00

CITY OF RIVERSIDE ELECTRIC
 REVIEWED BY: _____ DATE: _____

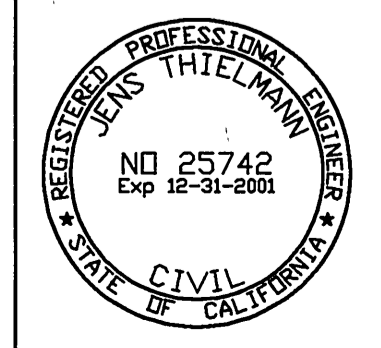
SOUTHERN CALIFORNIA GAS COMPANY
 REVIEWED BY: *Stanley* DATE: 5/14/00

WESTERN MUNICIPAL WATER DISTRICT
 REVIEWED BY: *R. McSwain* DATE: May 16, 2000

BENCH MARK No. GPS-67 ELEV. 1757.219
 LOCATION: 1 1/4" BRASS CAP IN A WELL MONUMENT, 5" DEEP IN THE CENTER OF BARTON ROAD, 230 FT SOUTHERLY OF THE INTERSECTION WITH VAN BUREN BLVD. 1991 ADJ

Thielmann Engineers
 221 S GLASSSELL ST
 ORANGE, CA 92666
 (714) 744-9700, FAX (714) 744-9312
 CITY BUSINESS TAX CERTIFICATE NO. 75345. EXP DATE 5/12/01

DATE	BY	MARK	REVISIONS	APPR.	DATE
	DESIGNED BY	JT		CHECKED BY	GT
	DRAWN BY	JS			

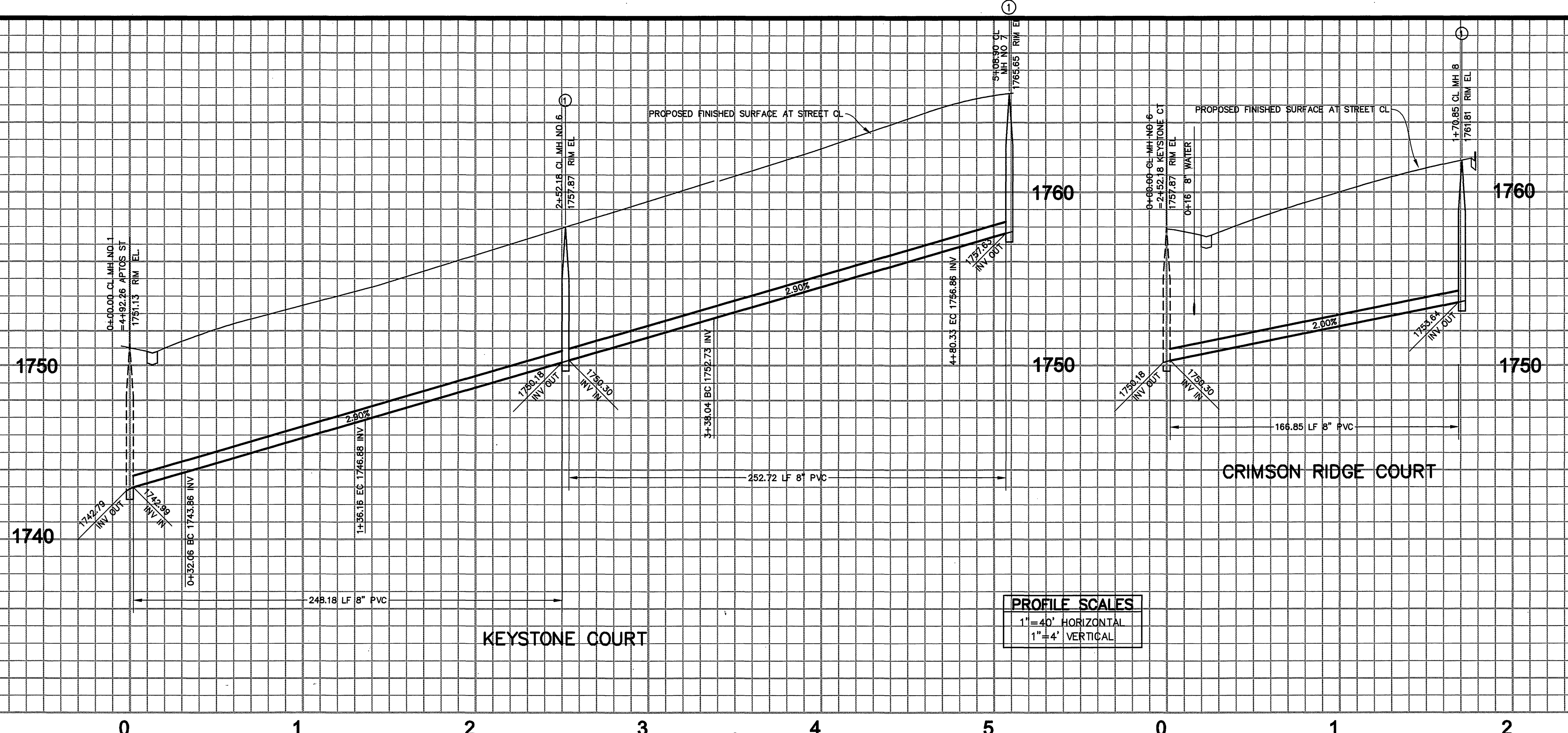


PREPARED BY: *Jens Thielmann* DATE: 4-14-00
 R.C.E. No. 25742 EXP. DATE 12/31/01

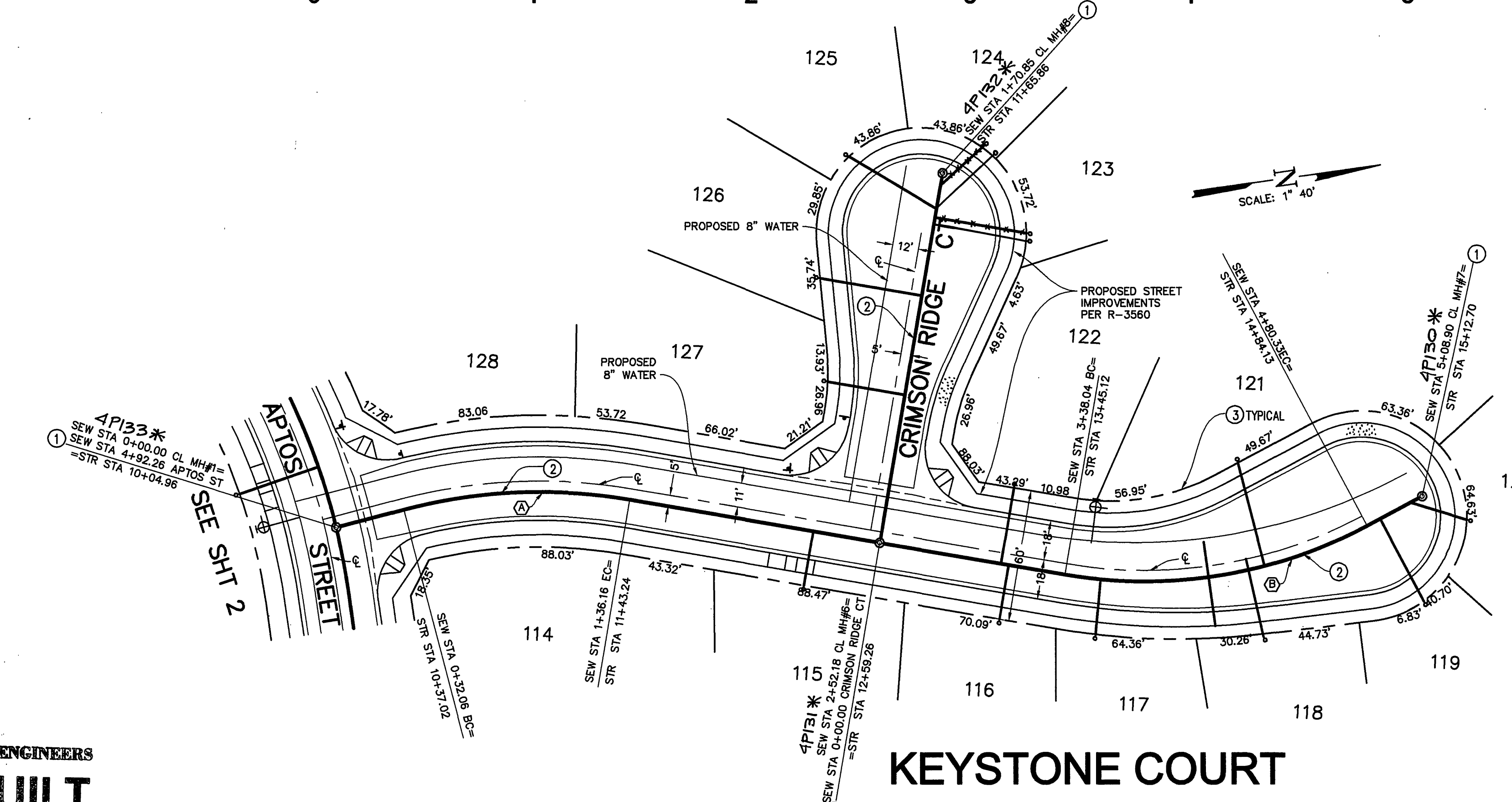
**CITY OF RIVERSIDE
 PUBLIC WORKS DEPARTMENT**
 APPROVED BY: *R. McSwain* DATE: 6-05-2000
 PUBLIC WORKS DIRECTOR

SEWER IMPROVEMENT PLAN
 TRACT 29362-1
PLAN AND PROFILE
 FROM STA 00+00.00 TO STA 6+54.57
GUMTREE LANE
 HORIZONTAL SCALE: 1"=40' VERTICAL SCALE: 1"=4'

ACCOUNT NO
S-1725
 SHEET 3 OF 10



PROFILE SCALES
 1" = 40' HORIZONTAL
 1" = 4' VERTICAL



- CONSTRUCTION NOTES (a)**
- CONSTRUCT SEWER MANHOLE PER STD DWG NO 500
 - CONSTRUCT 8" PVC SEWER LINE SDR-35
 - CONSTRUCT 4" SEWER LATERAL WITH PL CEANOUT PER STD DWG 562A
- (a) STD DWG REFERS TO CITY OF RIVERSIDE STANDARD DRAWING

SEWER LAT STA	LOT	STA
	115	2+27.95
	116	3+11.95
	117	3+54.52
	118	4+22.33
	119	4+67.12
	120	5+02.90
	121	4+30.00
	122	3+08.00
	123	1+50.40
	124	1+65.40
	125	1+54.40
	126	1+14.20
	127	0+68.00

CURVE DATA

NUMBER	DELTA ANGLE	TANGENT	RADIUS	ARC LENGTH
(A)	24°20'38"	52.85	245.00	104.10
(B)	37°41'08"	73.83	216.34	142.30

CITY OF RIVERSIDE
 PUBLIC UTILITIES DEPARTMENT-ELECTRIC
 OVERHEAD & UNDERGROUND

APPROVED BY: *John L. Sew* DATE: 5-17-00



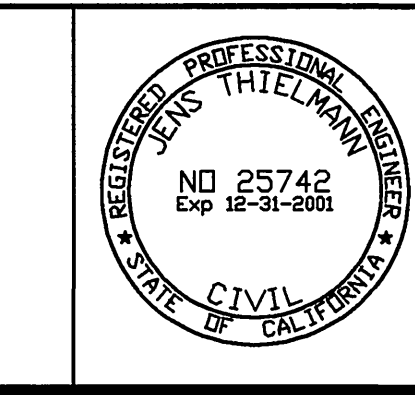
* AS-BUILT 10-07-03 *4H*

THIELMANN ENGINEERS
AS BUILT
 INFORMATION OBTAINED FROM
 Owners Records, Engineers Records,
 Construction Records, Data C-2-03
 By: *Jim Thielmann*

CHARTER COMMUNICATIONS REVIEWED BY: <i>Jim Thielmann</i> DATE: 5-16-00	CITY OF RIVERSIDE ELECTRIC REVIEWED BY: _____ DATE: _____	SOUTHERN CALIFORNIA GAS COMPANY REVIEWED BY: <i>Frank Ramo</i> DATE: 5/16/00	WESTERN MUNICIPAL WATER DISTRICT REVIEWED BY: _____ DATE: _____	BENCH MARK No. <u>GPS-67</u> ELEV. <u>1757.219</u> LOCATION: 1 1/4" BRASS CAP IN A WELL MONUMENT, 5' DEEP IN THE CENTER OF BARTON ROAD, 230 FT SOUTHERLY OF THE INTERSECTION WITH VAN BUREN BLVD. 1991 ADJ
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Thielmann Engineers
 221 S GLASSELL ST
 ORANGE, CA 92666
 (714) 744-9700, FAX (714) 744-9312
 CITY BUSINESS TAX CERTIFICATE NO. 75345 EXP DATE 5/12/01

DATE	BY	MARK	REVISIONS	APPR. DATE
DESIGNED BY	JT			
DRAWN BY	JS			
CHECKED BY	GT			



PREPARED BY: *Jim Thielmann* DATE: 4-14-00
 JENS THIELMANN
 R.C.E. No. 25742 EXP. DATE 12/31/01

CITY OF RIVERSIDE
PUBLIC WORKS DEPARTMENT

APPROVED BY: _____ DATE: _____ BY: _____
 PRINCIPAL ENGINEER: *6/5/00*
 PARK DEPARTMENT: _____
 TRAFFIC DIVISION: _____
 P.W. ENG'G MANAGER: *6/5/00* *7782*

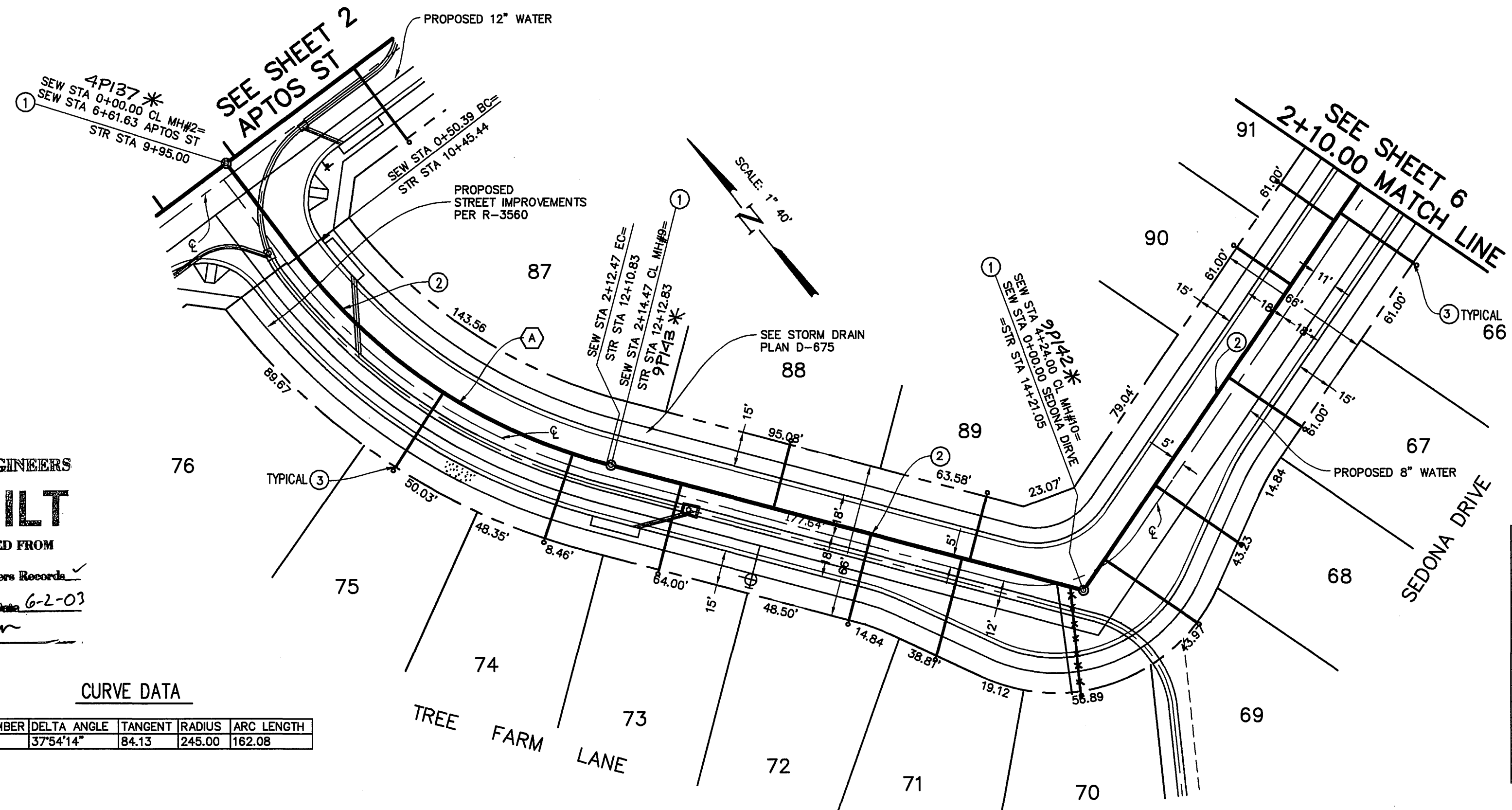
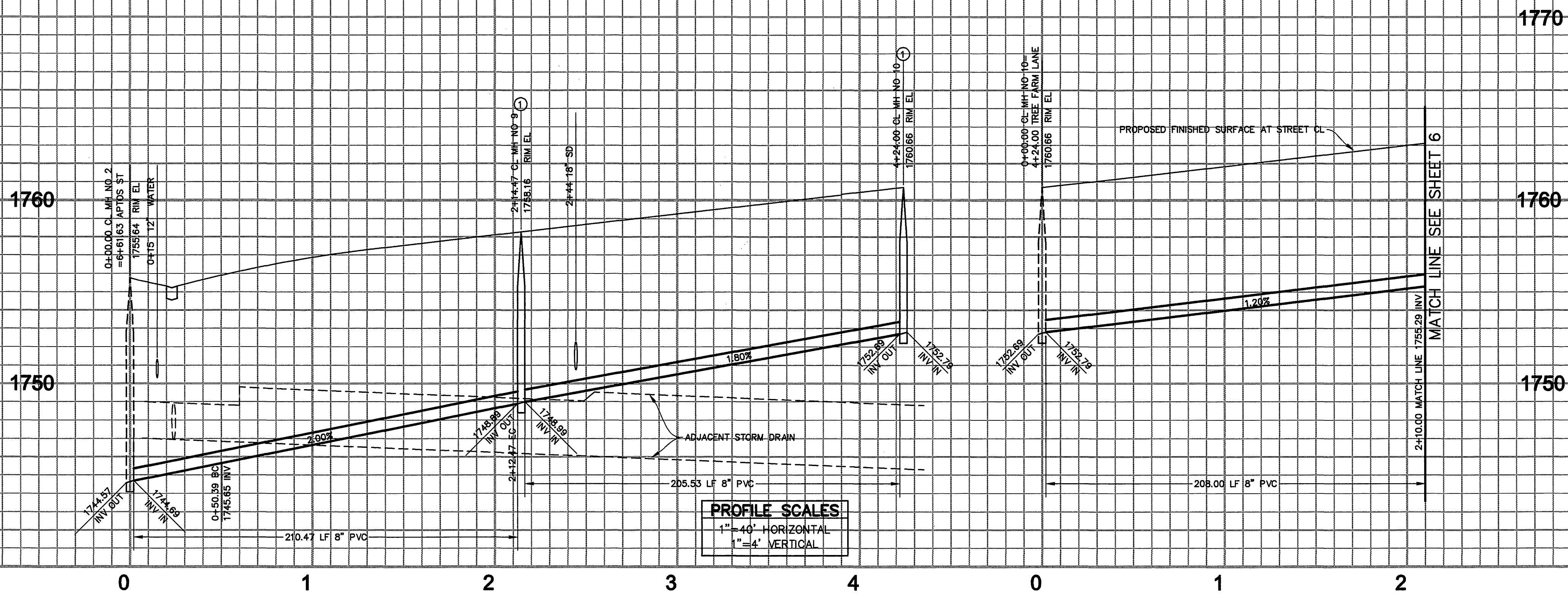
APPROVED BY: *R. Mc Grath*
 PUBLIC WORKS DIRECTOR
 DATE: 6-05-2000

SEWER IMPROVEMENT PLAN
 TRACT 29362-1
PLAN AND PROFILE
 KEYSTONE COURT
 FROM STA 0+00.00 TO 5+08.90
 CRIMSON RIDGE COURT
 FROM STA 0+00.00 TO 1+70.85

HORIZONTAL SCALE: 1"=40' VERTICAL SCALE: 1"=4'

ACCOUNT NO
S-1725
 SHEET **4** OF **10**

INDEXED 6-20-2000 *4H*



- CONSTRUCTION NOTES (a)**
- CONSTRUCT SEWER MANHOLE PER STD DWG NO 500
 - CONSTRUCT 8" PVC SEWER LINE SDR-35
 - CONSTRUCT 4" SEWER LATERAL WITH PL CEANOUT PER STD DWG 562A
- (a) STD DWG REFERS TO CITY OF RIVERSIDE STANDARD DRAWING

SEWER LAT STA	LOT	STA
75	1+35.86	
66	1+95.00	
67	1+10.00	
68	0+54.00	
69	0+18.00	
70	4+18.00	
71	3+70.09	
72	3+19.93	
73	2+48.50	
74	1+97.36	
88	2+86.53	
89	3+61.53	
90	1+57.00	
91	1+90.00	

CITY OF RIVERSIDE
PUBLIC UTILITIES DEPARTMENT-ELECTRIC
OVERHEAD & UNDERGROUND

APPROVED BY: *John L. Sew* DATE: 5-17-00



*AS-BUILT 10-07-03 LfH

THIELMANN ENGINEERS
AS BUILT
INFORMATION OBTAINED FROM
Owners Records, Engineers Records,
Contractors Records Date 6-2-03
By *Jim Thielmann*

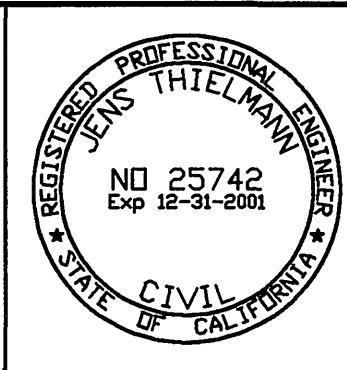
CURVE DATA

NUMBER	DELTA ANGLE	TANGENT	RADIUS	ARC LENGTH
A	37°54'14"	84.13	245.00	162.08

CHARTER COMMUNICATIONS REVIEWED BY: <i>Levy W. April</i> DATE: 5-16-00	CITY OF RIVERSIDE ELECTRIC REVIEWED BY: _____ DATE: _____	SOUTHERN CALIFORNIA GAS COMPANY REVIEWED BY: <i>Mark Ram</i> DATE: 5/16/00	WESTERN MUNICIPAL WATER DISTRICT REVIEWED BY: <i>Y. Jim</i> DATE: May 16, 2000	BENCH MARK No. GPS-67 ELEV. 1757.219 LOCATION: 1 1/4" BRASS CAP IN A WELL MONUMENT, 5" DEEP IN THE CENTER OF BARTON ROAD, 230 FT SOUTHERLY OF THE INTERSECTION WITH VAN BUREN BLVD. 1991 ADJ
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Thielmann Engineers
221 S GLASSSELL ST
ORANGE, CA 92666
(714) 744-9700, FAX (714) 744-9312
CITY BUSINESS TAX CERTIFICATE NO. 75345 EXP DATE 5/12/01

DATE	BY	MARK	REVISIONS	APPR. DATE
DESIGNED BY	JT			
DRAWN BY	JS			
CHECKED BY	GT			



PREPARED BY: *Jens Thielmann* DATE: 4-14-00
R.C.E. No. 25742 EXP. DATE 12/31/01

CITY OF RIVERSIDE
PUBLIC WORKS DEPARTMENT

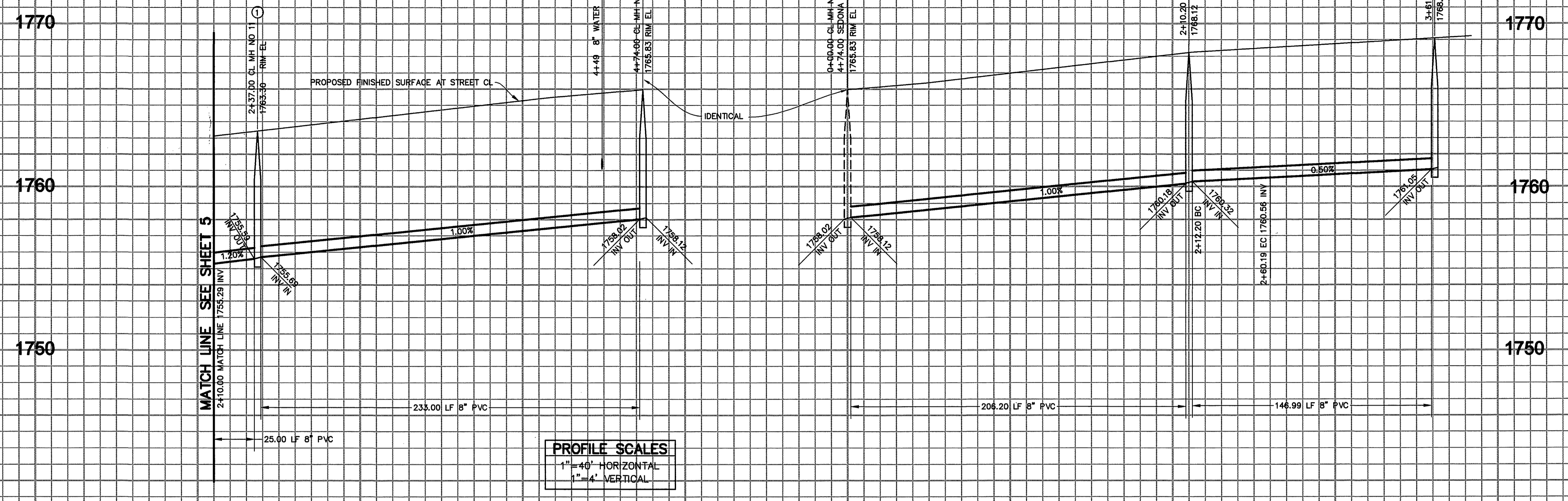
APPROVED BY: _____ DATE: _____ BY: _____
PRINCIPAL ENGINEER: *dk*
TRAFFIC DIVISION: _____
P.W. ENG'G MANAGER: *6/5/02*

APPROVED BY: *R. Mc Math*
PUBLIC WORKS DIRECTOR
DATE: 6-05-2000

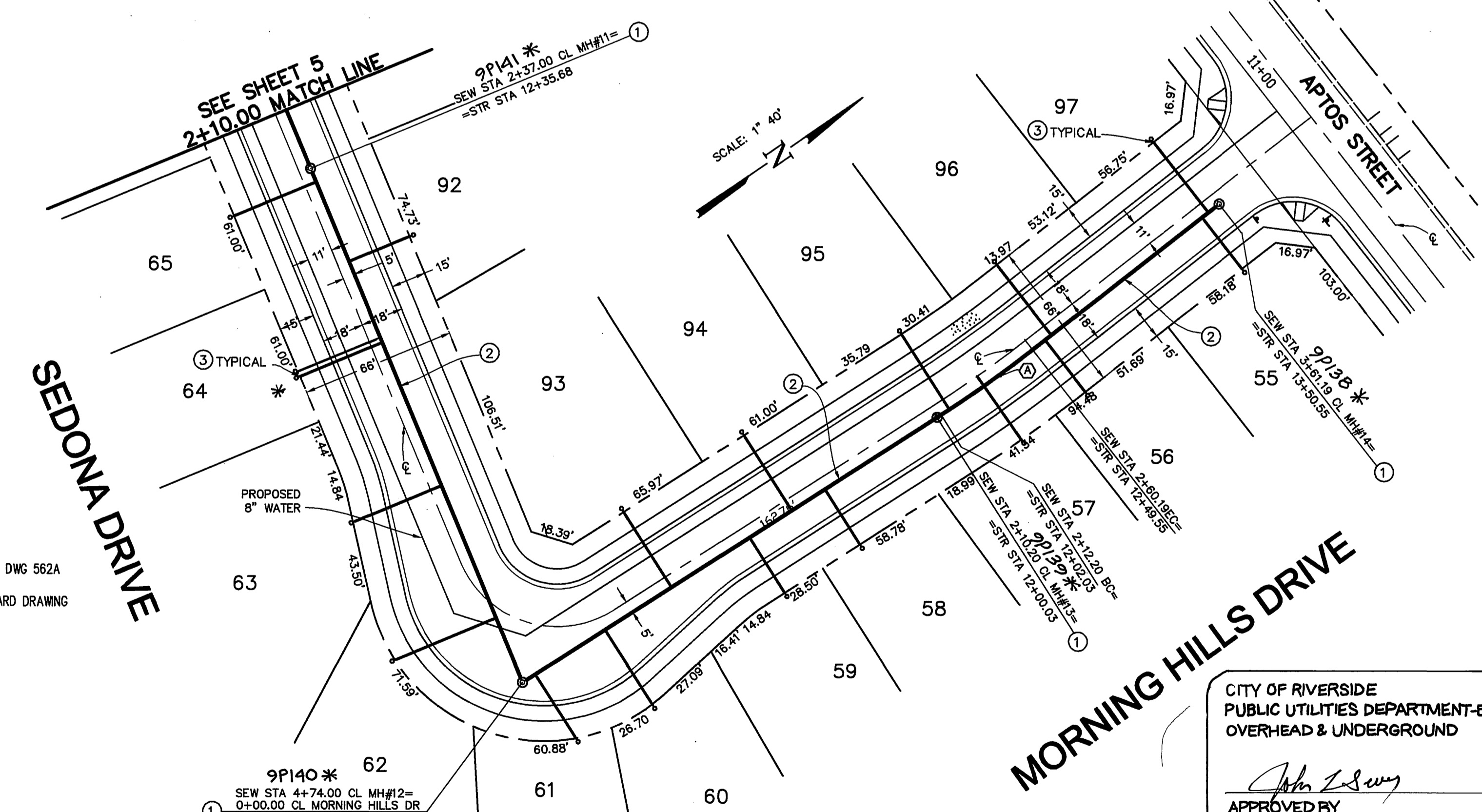
SEWER IMPROVEMENT PLAN
TRACT 29362-1
PLAN AND PROFILE
TREE FARM LANE
FROM STA 0+00.00 TO STA 4+24.00
SEDONA DRIVE
FROM STA 0+00.00 TO STA 2+10.00
HORIZONTAL SCALE: 1"=40' VERTICAL SCALE: 1"=4'

ACCOUNT NO: **S-1725**
SHEET **5** OF 10

INDEXED 6-20-2000 LfH



PROFILE SCALES
 1" = 40' HORIZONTAL
 1" = 4' VERTICAL



CURVE DATA

NUMBER	DELTA ANGLE	TANGENT	RADIUS	ARC LENGTH
(A)	05°26'44"	24.02	505.00	48.00

SEWER LAT STA

LOT	STA
55	3+51.00
56	2+67.00
57	2+33.00
58	1+53.00
59	1+15.00
60	0+42.00
61	0+05.00
62	4+44.00
63	3+84.00
64	3+17.00
65	2+44.00
92	2+80.00
93	0+76.00
94	1+36.00
95	2+16.00
96	2+70.00
97	3+54.00

- CONSTRUCTION NOTES (a)**
- CONSTRUCT SEWER MANHOLE PER STD DWG NO 500
 - CONSTRUCT 8" PVC SEWER LINE SDR-35
 - CONSTRUCT 4" SEWER LATERAL WITH PL CLEANOUT PER STD DWG 562A
- (a) STD DWG REFERS TO CITY OF RIVERSIDE STANDARD DRAWING

CITY OF RIVERSIDE
 PUBLIC UTILITIES DEPARTMENT-ELECTRIC
 OVERHEAD & UNDERGROUND

APPROVED BY: *John T. Selway* DATE: 5-17-00

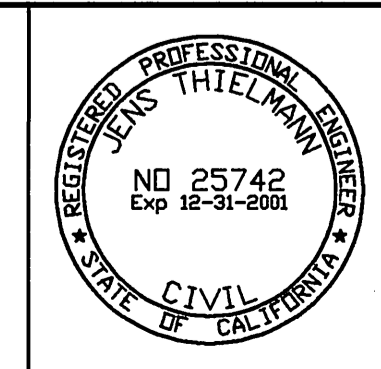
UNDERGROUND SERVICE ALERT
 CALL TOLL FREE
 1-800-227-2600
 TWO WORKING DAYS BEFORE YOU DIG

THIELMANN ENGINEERS
AS BUILT
 INFORMATION OBTAINED FROM
 Owners Records, Engineers Records,
 Construction Records, Date: 6-2-03
 By: *Jens Thielmann*

CHARTER COMMUNICATIONS REVIEWED BY: <i>Jens Thielmann</i> DATE: 6-16-00	CITY OF RIVERSIDE ELECTRIC REVIEWED BY: _____ DATE: _____	SOUTHERN CALIFORNIA GAS COMPANY REVIEWED BY: <i>Mark Raney</i> DATE: 5/16/00	WESTERN MUNICIPAL WATER DISTRICT REVIEWED BY: <i>W. J. Finn</i> DATE: May 16, 2000	BENCH MARK No. GPS-67 ELEV. 1757.219 LOCATION: 1 1/4" BRASS CAP IN A WELL MONUMENT, 5' DEEP IN THE CENTER OF BARTON ROAD, 230 FT SOUTHERLY OF THE INTERSECTION WITH VAN BUREN BLVD. 1991 ADJ
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Thielmann Engineers
 221 S GLASSSELL ST
 ORANGE, CA 92866
 (714) 744-9700, FAX (714) 744-9312
 CITY BUSINESS TAX CERTIFICATE NO. 75345 EXP DATE 5/12/01

DATE	BY	MARK	REVISIONS	APPR.	DATE
DESIGNED BY	JT			CHECKED BY	GT
DRAWN BY	JS				



PREPARED BY: *Jens Thielmann* DATE: 4-14-00
 JENS THIELMANN
 R.C.E. No. 25742 EXP. DATE 12/31/01

CITY OF RIVERSIDE
PUBLIC WORKS DEPARTMENT

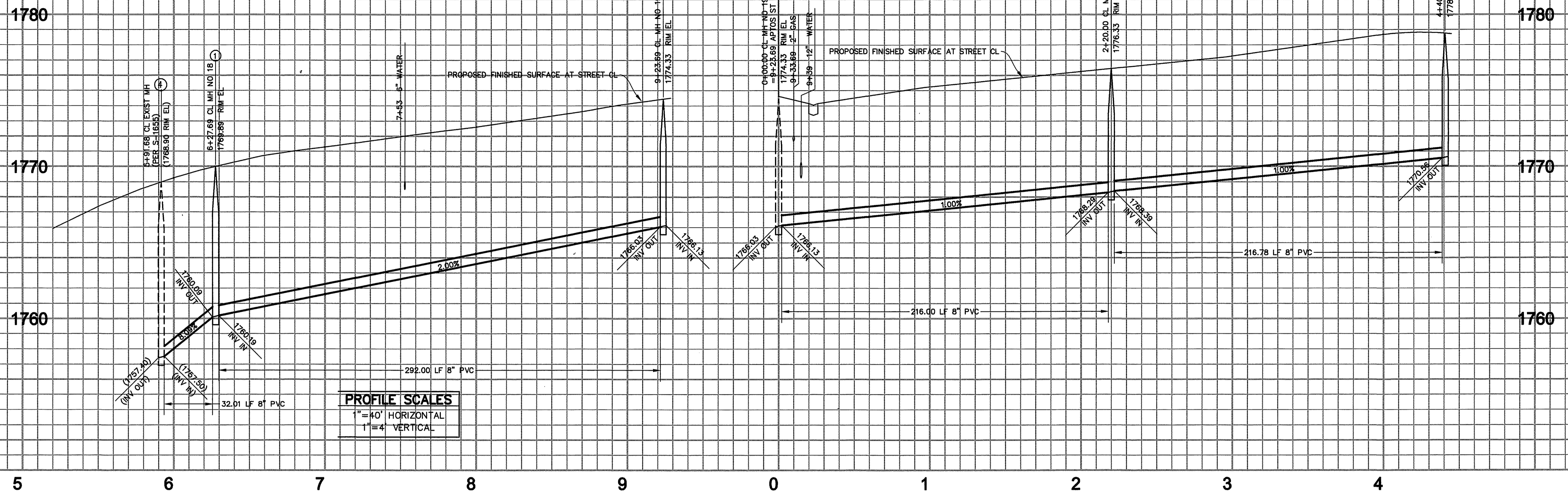
APPROVED BY: _____ DATE: _____
 PRINCIPAL ENGINEER
 PARK DEPARTMENT
 TRAFFIC DIVISION
 P.W. ENG'G MANAGER

APPROVED BY: *R. Mc Grath* DATE: 6-05-2000
 PUBLIC WORKS DIRECTOR

SEWER IMPROVEMENT PLAN
 TRACT 29362-1
PLAN AND PROFILE
 FROM STA 2+10.00 TO STA 4+74.00
 SEDONA DRIVE AND
 FROM STA 0+00.00 TO STA 3+61.19
 MORNING HILLS DRIVE
 HORIZONTAL SCALE: 1"=40' VERTICAL SCALE: 1"=4'

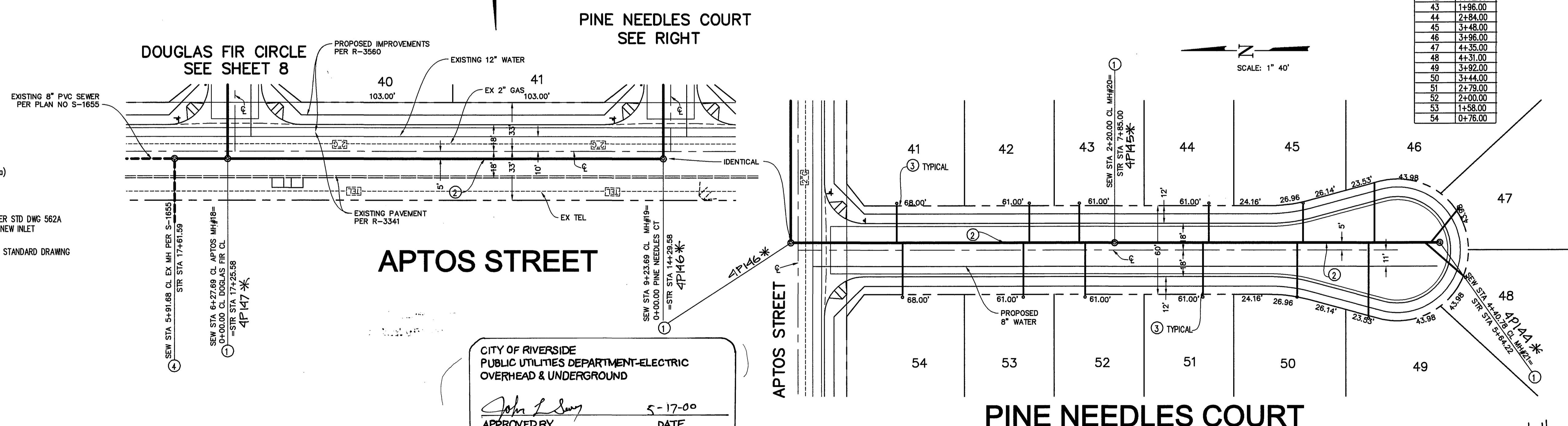
ACCOUNT NO
S-1725
 SHEET 6 OF 10

INDEXED 6-20-2000 *JTH*



PROFILE SCALES
 1"=40' HORIZONTAL
 1"=4' VERTICAL

LOT	LAT STA
41	0+72.00
42	1+62.00
43	1+96.00
44	2+84.00
45	3+48.00
46	3+96.00
47	4+35.00
48	4+31.00
49	3+92.00
50	3+44.00
51	2+78.00
52	2+00.00
53	1+58.00
54	0+76.00



- CONSTRUCTION NOTES (a)**
- CONSTRUCT SEWER MANHOLE PER STD DWG NO 500
 - CONSTRUCT 8" PVC SEWER LINE SDR-35
 - CONSTRUCT 4" SEWER LATERAL WITH PL CLEANOUT PER STD DWG 562A
 - REMODEL EXISTING MANHOLE BASE TO ACCOMMODATE NEW INLET
- (a) STD DWG REFERS TO CITY OF RIVERSIDE STANDARD DRAWING

THIELMANN ENGINEERS
AS BUILT
 INFORMATION OBTAINED FROM
 Owners Records, Engineers Records
 Contractors Records, Data 6-2-03
 By *Jens Thielmann*



CHARTER COMMUNICATIONS
 REVIEWED BY: *Jens Thielmann* DATE: 5-16-00

CITY OF RIVERSIDE ELECTRIC
 REVIEWED BY: *John L. Song* DATE: 5-17-00

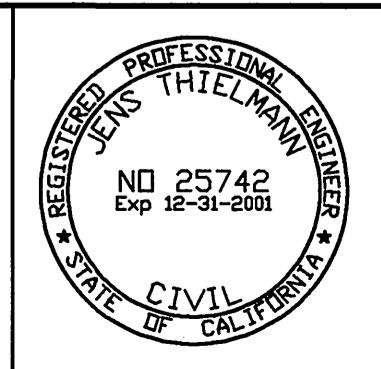
SOUTHERN CALIFORNIA GAS COMPANY
 REVIEWED BY: *Mark Ram* DATE: 5/16/00

WESTERN MUNICIPAL WATER DISTRICT
 REVIEWED BY: *John Smith* DATE: May 16, 2000

BENCH MARK No. GPS-67 ELEV. 1757.219
 LOCATION: 1 1/4" BRASS CAP IN A WELL MONUMENT, 5' DEEP IN THE CENTER OF BARTON ROAD, 230 FT SOUTHERLY OF THE INTERSECTION WITH VAN BUREN BLVD. 1991 ADJ.

Thielmann Engineers
 221 S GLASSELL ST
 ORANGE, CA 92666
 (714) 744-9700, FAX (714) 744-9312
 CITY BUSINESS TAX CERTIFICATE NO. 75345 EXP DATE 5/12/01

DATE	BY	MARK	REVISIONS	APPR. DATE
DESIGNED BY	JT			
DRAWN BY	JS			
CHECKED BY	GT			



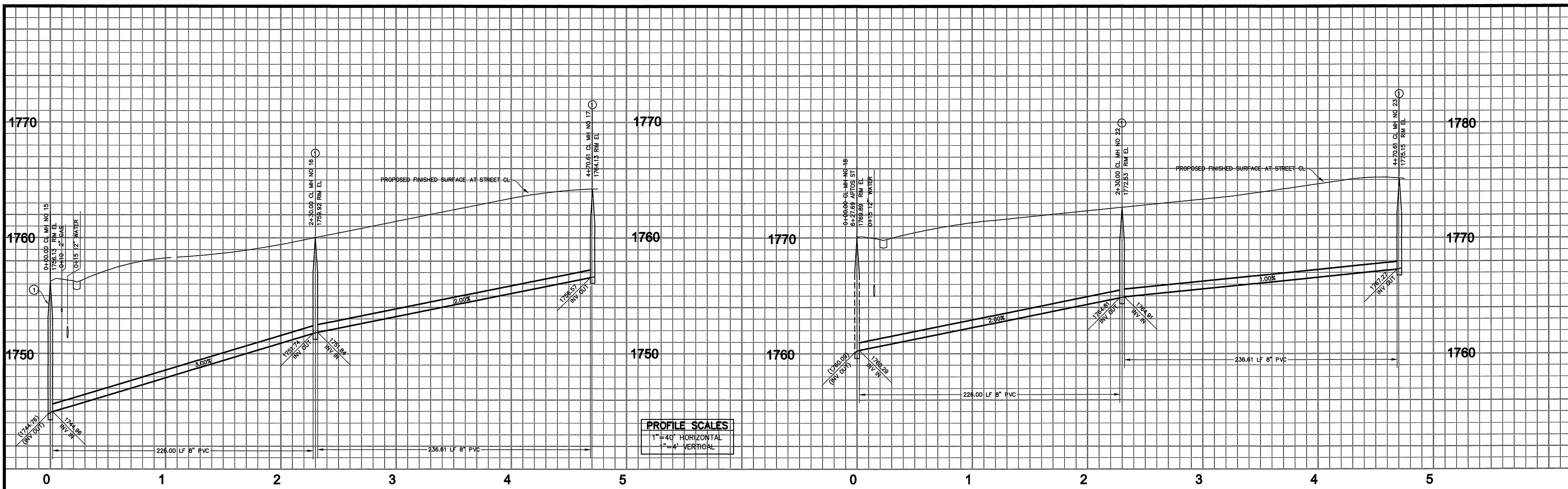
PREPARED BY: *Jens Thielmann* DATE: 4-14-00
 JENS THIELMANN
 R.C.E. No. 25742 EXP. DATE 12/31/01

CITY OF RIVERSIDE PUBLIC WORKS DEPARTMENT
 APPROVED BY: *R. Mc Grath* DATE: 6-05-2000
 PRINCIPAL ENGINEER
 PARK DEPARTMENT
 TRAFFIC DIVISION
 P.W. ENG'G MANAGER

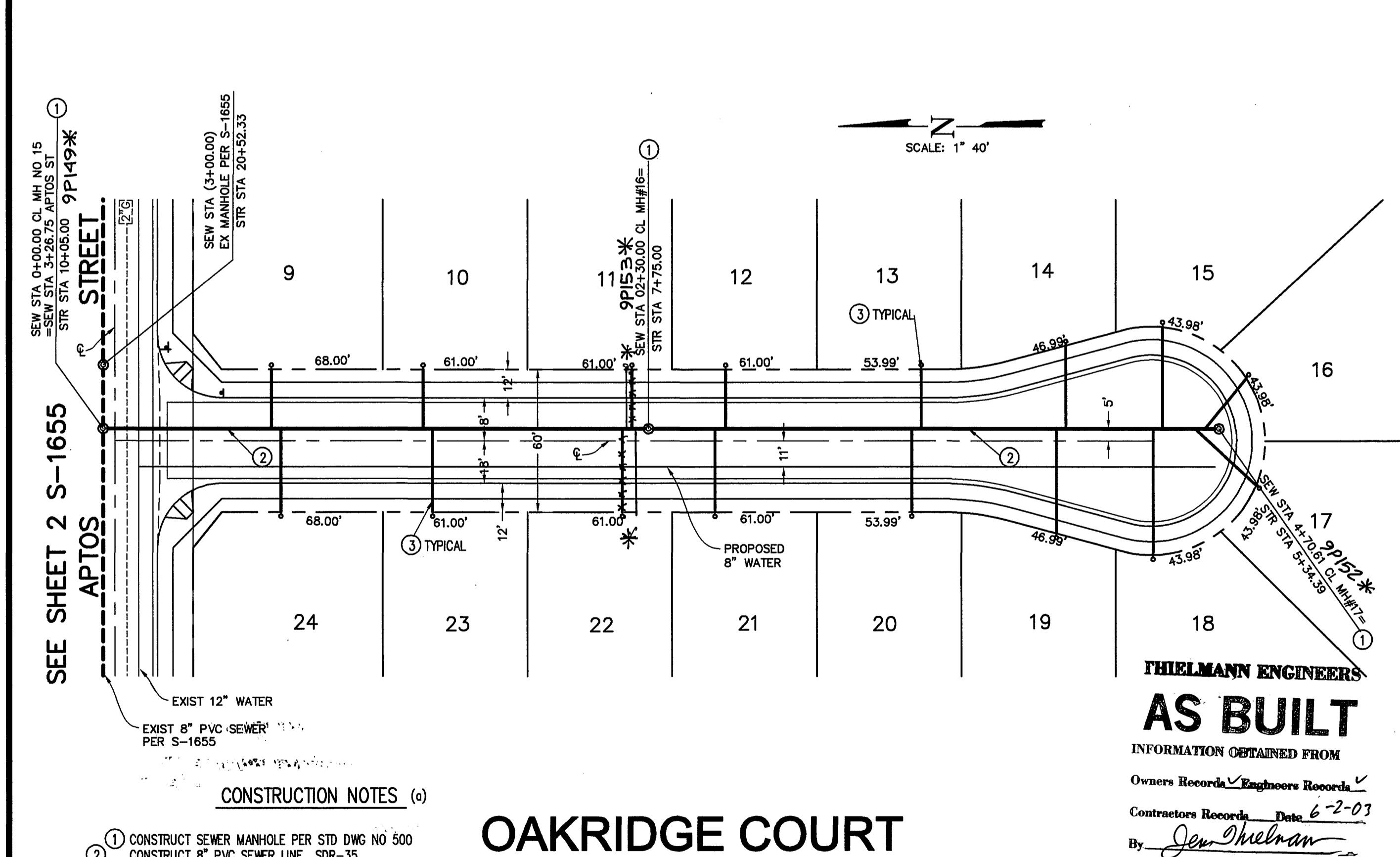
SEWER IMPROVEMENT PLAN
 TRACT 29362-1'
PLAN AND PROFILE
 FROM STA 0+00.00 TO STA 4+40.78
PINE NEEDLES COURT
 FROM STA 5+91.68 TO STA 9+23.69
APTOS STREET
 HORIZONTAL SCALE: 1"=40' VERTICAL SCALE: 1"=4'

ACCOUNT NO
S-1725
 SHEET 7 OF 10

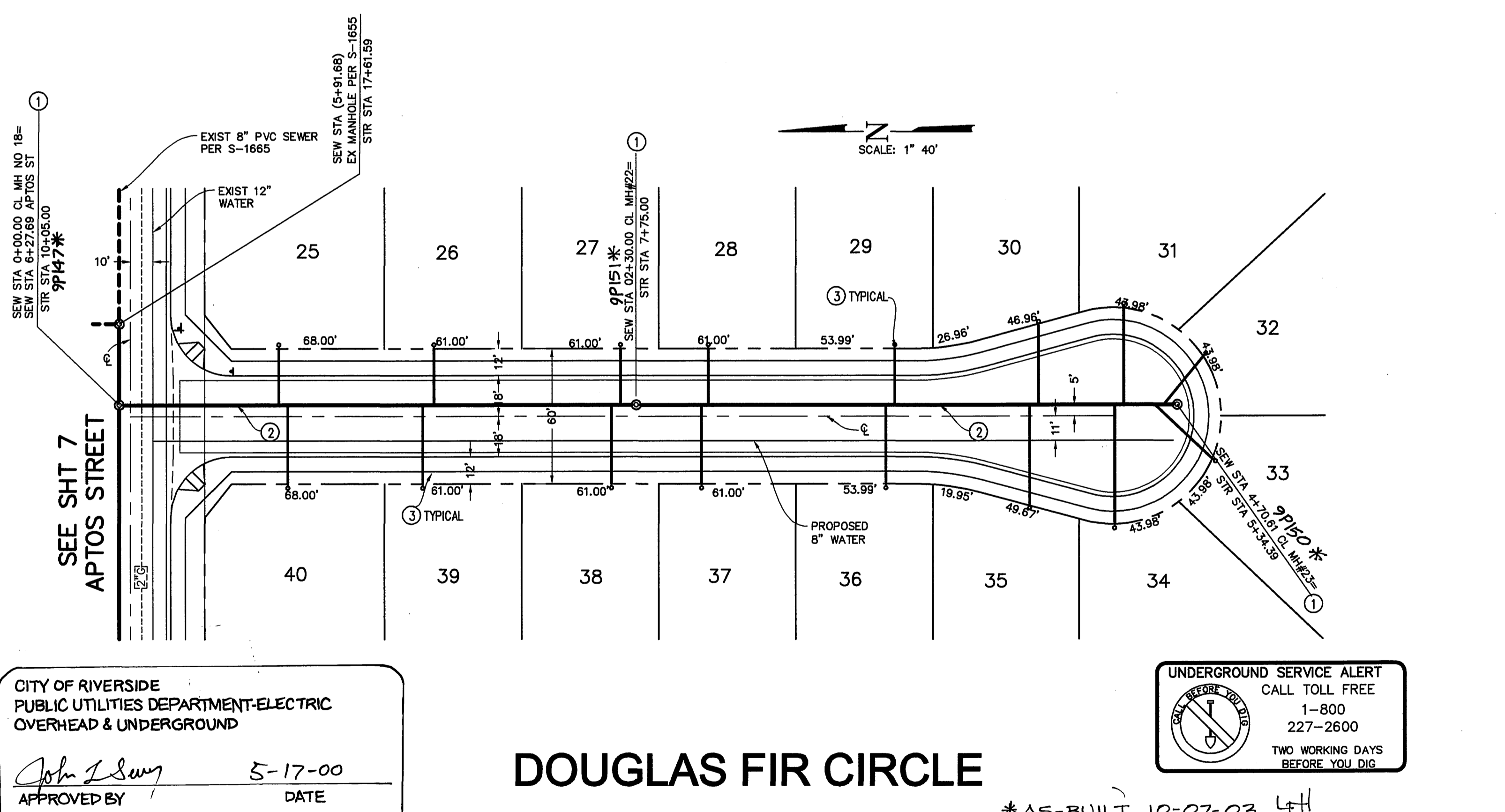
INDEXED 6-20-2000 LTH



PROFILE SCALES
 1" = 40' HORIZONTAL
 1" = 4' VERTICAL



LOT	STA
9	0+70.00
10	1+35.00
11	2+19.00
12	2+62.00
13	3+45.00
14	4+06.00
15	4+60.61
16	4+64.61
17	4+64.61
18	4+42.83
19	4+02.00
20	3+41.00
21	2+58.00
22	2+23.00
23	1+39.00
24	0+75.00
25	0+72.00
26	1+40.00
27	2+19.00
28	2+62.00
29	3+45.00
30	4+06.00
31	4+60.61
32	4+67.61
33	4+64.61
34	4+42.83
35	4+05.00
36	3+41.00
37	2+59.00
38	2+23.00
39	1+35.00
40	0+76.00



- CONSTRUCTION NOTES (a)**
1. CONSTRUCT SEWER MANHOLE PER STD DWG NO 500
 2. CONSTRUCT 8" PVC SEWER LINE SDR-35
 3. CONSTRUCT 4" SEWER LATERAL WITH PL CLEANOUT PER STD DWG 562A

OAKRIDGE COURT

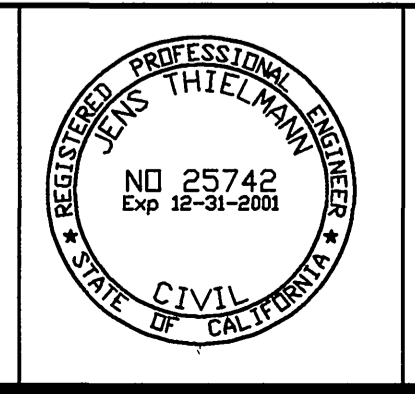
DOUGLAS FIR CIRCLE

CHARTER COMMUNICATIONS REVIEWED BY: <i>David Hill</i> DATE: 5-16-00	CITY OF RIVERSIDE ELECTRIC REVIEWED BY: _____ DATE: _____	SOUTHERN CALIFORNIA GAS COMPANY REVIEWED BY: <i>Neal Raney</i> DATE: 5/16/00	WESTERN MUNICIPAL WATER DISTRICT REVIEWED BY: <i>Jim</i> DATE: May 16, 2000	BENCH MARK No. GPS-67 ELEV. 1757.219 LOCATION: 1 1/4" BRASS CAP IN A WELL MONUMENT, 6" DEEP IN THE CENTER OF BARTON ROAD, 230 FT SOUTHERLY OF THE INTERSECTION WITH VAN BUREN BLVD. 1991 ADJ
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Thielmann Engineers
 221 S GLASSSELL ST
 ORANGE, CA 92666
 (714) 744-9700, FAX (714) 744-9312

DATE	BY	MARK	REVISIONS	APPR.	DATE
DESIGNED BY	JT				
DRAWN BY	JS				
CHECKED BY	GT				

CITY OF RIVERSIDE
 ELECTRIC
 REVIEWED BY: _____ DATE: _____



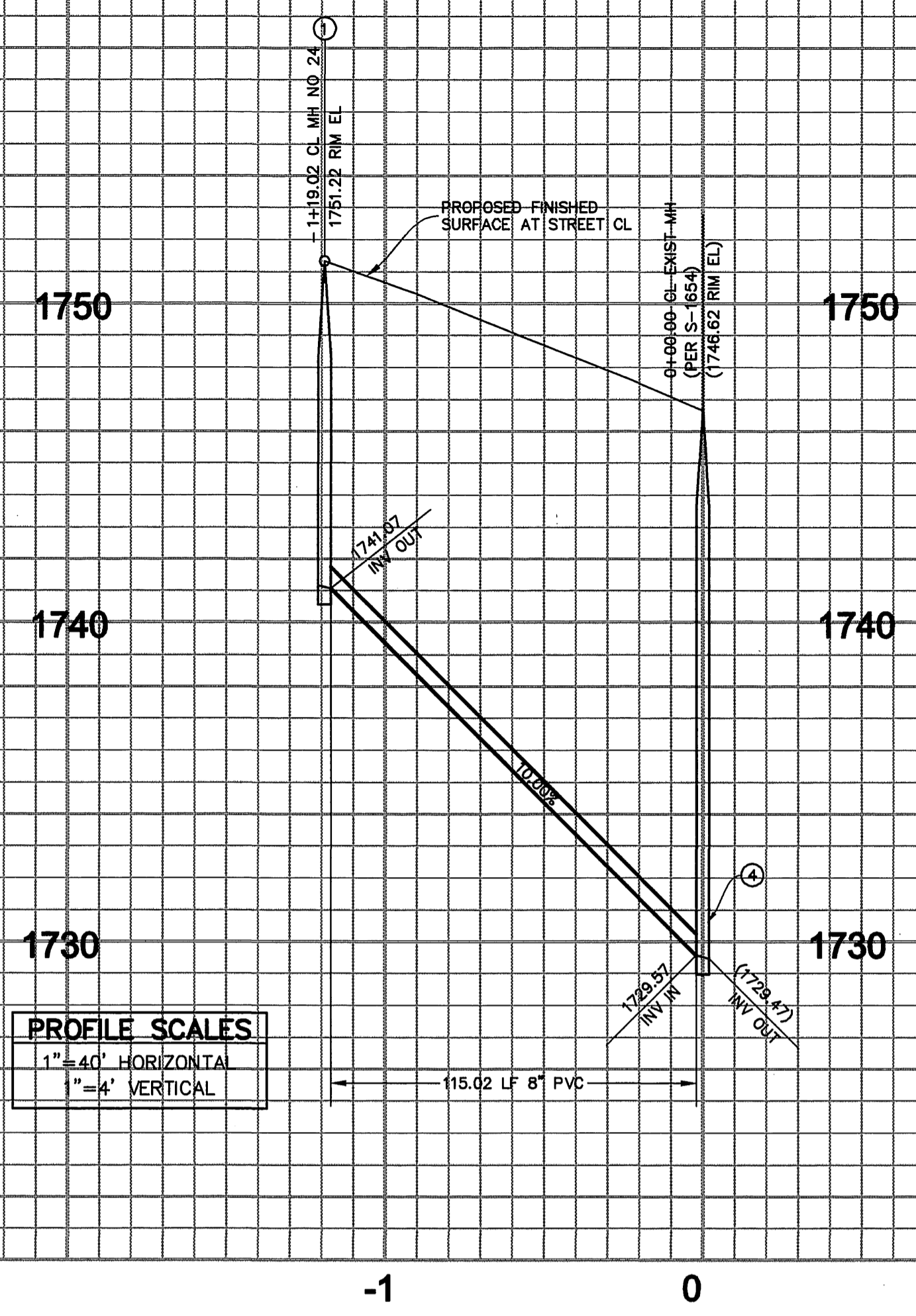
PREPARED BY: *Jens Thielmann* DATE: 4-14-00
 JENS THIELMANN
 R.C.E. No. 25742 EXP. DATE 12/31/01

CITY OF RIVERSIDE
PUBLIC WORKS DEPARTMENT
 APPROVED BY: _____ DATE: _____
 PRINCIPAL ENGINEER
 PARK DEPARTMENT
 TRAFFIC DIVISION
 P.W. ENG'G MANAGER

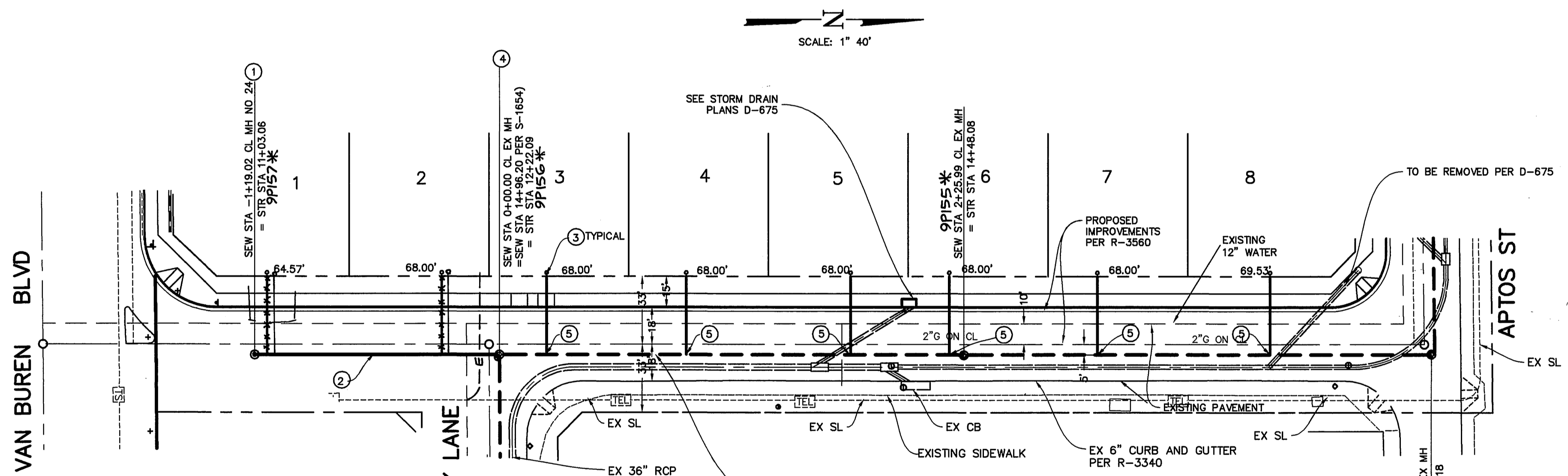
SEWER IMPROVEMENT PLAN
 TRACT 29362-1
PLAN AND PROFILE
 FROM STA 0+00.00 TO STA 4+70.61
OAKRIDGE COURT
 FROM STA 0+00.00 TO STA 4+70.61
DOUGLAS FIR CIRCLE
 HORIZONTAL SCALE: 1"=40' VERTICAL SCALE: 1"=4'

ACCOUNT NO
S-1725
 SHEET **8** OF 10

INDEXED 6-20-2000 LTH



PROFILE SCALES
 1" = 40' HORIZONTAL
 1" = 4' VERTICAL



LOT	STA
1	1+13.02
2	0+28.02
3	0+22.88
4	0+90.98
5	1+70.98
6	2+18.98
7	2+91.00
8	3+74.98

- CONSTRUCTION NOTES (a)**
- CONSTRUCT SEWER MANHOLE PER STD DWG NO 500
 - CONSTRUCT 8" PVC SEWER LINE SDR-35
 - CONSTRUCT 4" SEWER LATERAL WITH PL CLEANOUT PER STD DWG 562A
 - REMODEL EXISTING SEWER MANHOLE BASE TO ACCOMMODATE NEW INLET
 - CORE DRILL EXISTING 8" SEWER AND PROVIDE SADDLE CONNECTION
- (a) STD DWG REFERS TO CITY OF RIVERSIDE STANDARD DRAWING

CITY OF RIVERSIDE
 PUBLIC UTILITIES DEPARTMENT-ELECTRIC
 OVERHEAD & UNDERGROUND

John Esau 5-17-00
 APPROVED BY DATE



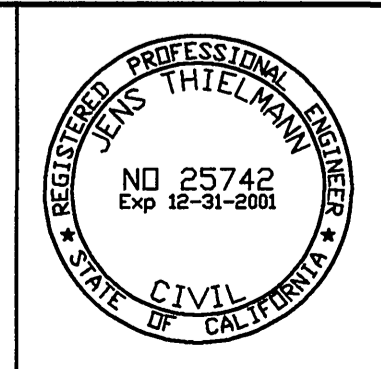
*AS-BUILT 10-07-03 LTH

CHARTER COMMUNICATIONS <i>Jim D. Furr</i> 5-16-00 REVIEWED BY: DATE	CITY OF RIVERSIDE ELECTRIC REVIEWED BY: DATE	SOUTHERN CALIFORNIA GAS COMPANY <i>Mark Raney</i> 5/16/00 REVIEWED BY: DATE	WESTERN MUNICIPAL WATER DISTRICT <i>Mark Raney</i> May 16, 2000 REVIEWED BY: DATE	BENCH MARK No. GPS-67 ELEV. 1757.219 LOCATION: 1 1/4" BRASS CAP IN A WELL MONUMENT, 5" DEEP IN THE CENTER OF BARTON ROAD, 230 FT SOUTHERLY OF THE INTERSECTION WITH VAN BUREN BLVD. 1991 ADJ.
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THIELMANN ENGINEERS
AS BUILT
 INFORMATION OBTAINED FROM
 Owners Records, Engineers Records, Contractors Records, Date 6-2-03
 By *Jens Thielmann*

Thielmann Engineers
 221 S GLASSSELL ST
 ORANGE, CA 92866
 (714) 744-9700, FAX (714) 744-9312

DATE	BY	MARK	REVISIONS	APPR. DATE
DESIGNED BY	JT			
DRAWN BY	JS			
CHECKED BY	GT			



PREPARED BY: *Jens Thielmann* DATE 4-19-00
 R.C.E. No. 25742 EXP. DATE 12/31/01

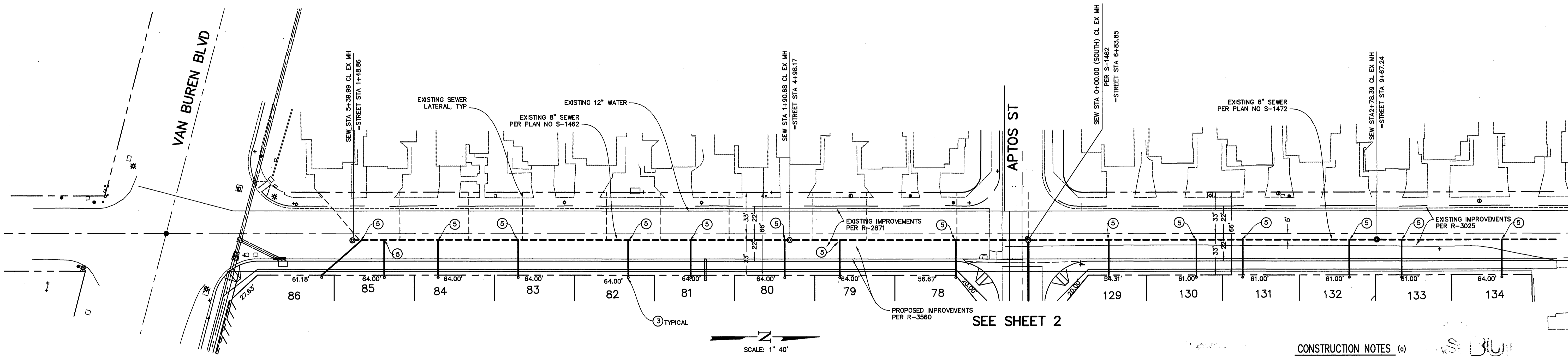
CITY OF RIVERSIDE
PUBLIC WORKS DEPARTMENT

APPROVED BY: <i>R. M. Smith</i> DATE 6-05-2000	BY: <i>R. M. Smith</i>
PRINCIPAL ENGINEER	DATE 6/1/00
PARK DEPARTMENT	
TRAFFIC DIVISION	
P.W. ENG'G MANAGER	DATE 6/5/00

SEWER IMPROVEMENT PLAN
 TRACT 29362-1
PLAN AND PROFILE
COYOTE BUSH ROAD
 HORIZONTAL SCALE: 1"=40' VERTICAL SCALE: 1"=4'

ACCOUNT NO
S-1725
 SHEET **9** OF 10

INDEXED 6-20-2000 LTH



LOT	SEWER LAT STA	STA
78	0+	58.00
79	1+	50.67
80	1+	04.87
81	2+	79.67
82	3+	19.67
83	4+	07.67
84	4+	71.67
85	5+	14.67
86	5+	32.46
129	0+	64.31
130	1+	34.31
131	1+	71.31
132	2+	56.31
133	2+	98.31
134	3+	78.31

THIELMANN ENGINEERS
AS BUILT
 INFORMATION OBTAINED FROM
 Owners Records Engineers Records
 Contractors Records Date 6-2-03
 By *Jens Thielmann*

CITY OF RIVERSIDE
 PUBLIC UTILITIES DEPARTMENT-ELECTRIC
 OVERHEAD & UNDERGROUND
John L. Levy 5-17-00
 APPROVED BY DATE

BARTON STREET

CONSTRUCTION NOTES (a)

AS BUILT
 (a) CONSTRUCT 4" SEWER LATERAL WITH PL CEANOUT PER STD DWG 562A
 CORE DRILL EXISTING 8" SEWER AND PROVIDE SADDLE CONNECTION
 (a) STD DWG REFERS TO CITY OF RIVERSIDE STANDARD DRAWING

UNDERGROUND SERVICE ALERT
 CALL TOLL FREE
 1-800-227-2600
 TWO WORKING DAYS BEFORE YOU DIG

* AS-BUILT 10-03-07 LTH

CHARTER COMMUNICATIONS
John D. Full 5-16-00
 REVIEWED BY: DATE

CITY OF RIVERSIDE ELECTRIC
 REVIEWED BY: DATE

SOUTHERN CALIFORNIA GAS COMPANY
Mark R... 5/16/00
 REVIEWED BY: DATE

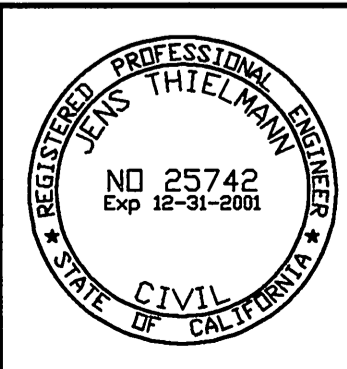
WESTERN MUNICIPAL WATER DISTRICT
... May 16, 2000
 REVIEWED BY: DATE

BENCH MARK No. GPS-67 ELEV. 1757.219
 LOCATION: 1 1/4" BRASS CAP IN A WELL MONUMENT, 5' DEEP IN THE CENTER OF BARTON ROAD, 230 FT SOUTHERLY OF THE INTERSECTION WITH VAN BUREN BLVD. 1991 ADJ

Thielmann Engineers
 221 S GLASSSELL ST
 ORANGE, CA 92866
 (714) 744-9700, FAX (714) 744-9312
 CITY BUSINESS TAX CERTIFICATE NO. 75345 EXP DATE 5/12/01

DATE	BY	MARK	REVISIONS	APPR.	DATE

DESIGNED BY JT DRAWN BY JS CHECKED BY GT



PREPARED BY DATE 4-14-00
Jens Thielmann
 JENS THIELMANN
 R.C.E. No. 25742 EXP. DATE 12/31/01

CITY OF RIVERSIDE
PUBLIC WORKS DEPARTMENT
 APPROVED BY DATE BY
 PRINCIPAL ENGINEER 6/5/00 *...*
 PARK DEPARTMENT
 TRAFFIC DIVISION
 P.W. ENG'G MANAGER 6/5/00 *...*
 APPROVED BY DATE
R. M. ...
 PUBLIC WORKS DIRECTOR
 DATE 6-05-2000

SEWER IMPROVEMENT PLAN
 TRACT 29362-1
 PLAN AND PROFILE
BARTON STREET
 HORIZONTAL SCALE: 1"=40' VERTICAL SCALE: 1"=4'

ACCOUNT NO
S-1725
 SHEET 10 OF 10

INDEXED 6-20-2000 LTH