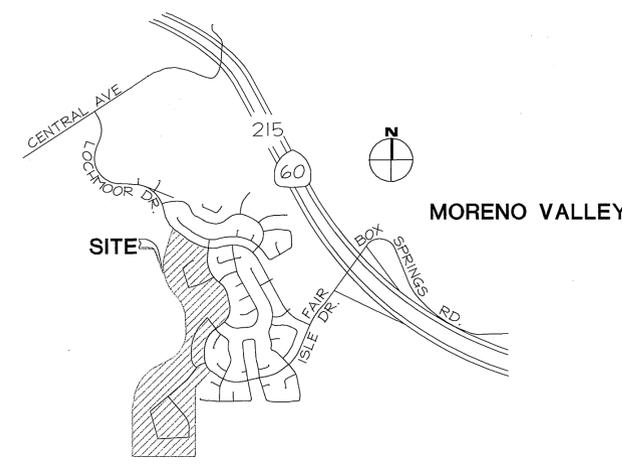
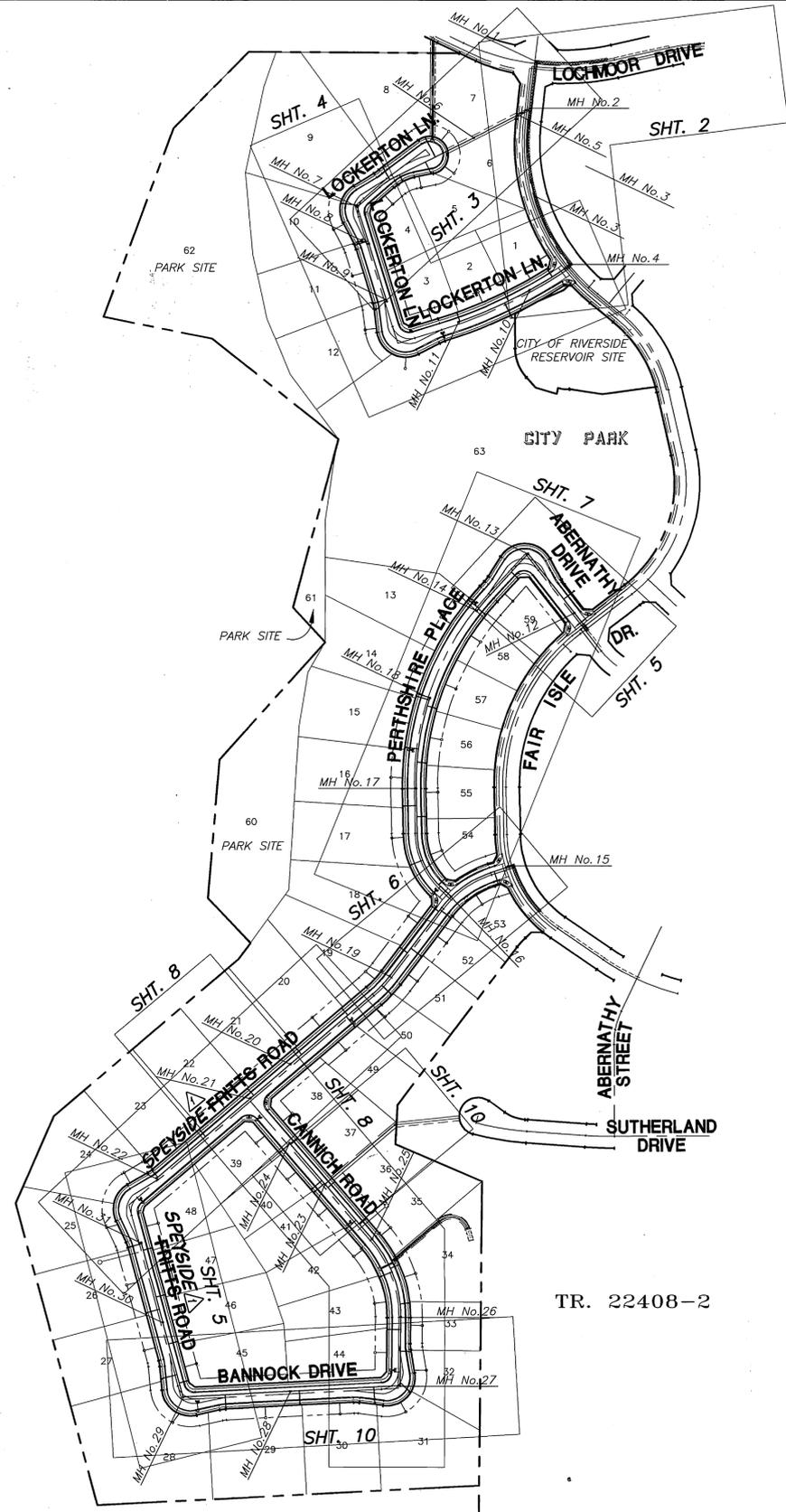


GENERAL NOTES - PUBLIC WORKS

1. 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.
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 RE-ESTABLISHING AND REFERENCING SURVEY MONUMENTS DESTROYED, DISTURBED OR BURIED AS A RESULT OF CONSTRUCTION SHOWN HEREON.
7. ALL FLAGGED ELEVATIONS SHALL BE STAKED IN THE FIELD BY THE PRIVATE ENGINEER.
8. 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.
9. CONTRACTOR IS TO VERIFY EXISTING SEWER ELEVATION PRIOR TO CONSTRUCTION.
10. LOCATION OF LATERALS TO BE DETERMINED IN THE FIELD AT THE DIRECTION OF THE OWNER. AVOID CONFLICT WITH PROPOSED AND/OR EXISTING FACILITIES.
11. 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.
12. 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.
13. THE SEWER CONTRACTOR SHALL ADJUST MANHOLES TO FINAL GRADE AFTER PAVING IS COMPLETED.
14. PIPE BEDDING SHALL BE CASE I PER CITY STD. DWG. NO. 452 UNLESS OTHERWISE SHOWN ON THE PLANS. IF GROUND WATER IS ENCOUNTERED, BEDDING SHALL BE CASE III IN ACCORDANCE WITH NOTE 2, CITY STD. DWG. NO. 452.



VICINITY MAP
N.T.S.



INDEX MAP

CONSTRUCTION NOTES

CONSTRUCTION NOTES	QUANTITIES
1. CONSTRUCT MANHOLE PER CITY STD. 500.	31 EA.
2. CONSTRUCT 8" V.C.P. SEWER MAIN.	6,140 LF.
3. CONSTRUCT 4" V.C.P. SEWER LATERAL AND CLEANOUT PER CITY STD. 562A.	1,756 LF.
4. RECONTOUR MANHOLE BOTTOM AS REQUIRED TO MAINTAIN FLOW.	4 EA.
5. SAWCUT, REMOVE AND REPLACE EXISTING A.C. AND BASE (MIN. 6' WIDE).	4,272 SF.
6. REMOVE AND REPLACE EXISTING CURB, GUTTER & SIDEWALK AS NEEDED.	
7. REMOVE EXISTING 8" V.C.P.	28 LF.
8. REMOVE EXISTING MANHOLE.	1 EA.



CITY OF RIVERSIDE WATER SYSTEM
 Approved by: Richard J. Doolak DATE: 3/9/99

AS BUILT
 DRAWING OF RECORD
 DATE: 1/31/00 INDEXED 5-5-99 44

Underground Service Alert
 Call: TOLL FREE 1-800-227-2600
 TWO WORKING DAYS BEFORE YOU DIG

REGISTERED PROFESSIONAL ENGINEER
 Civil
 George A. Lenfestey
 No. 45820
 Exp. 12-31-02
 STATE OF CALIFORNIA

PREPARED UNDER THE DIRECTION OF:
George A. Lenfestey DATE: 12/30/98
 R.C.E. 45820 - EXP. 12/31/02
 APPROVED BY: _____ DATE: _____

KEITH INTERNATIONAL, INC.
 Planning • Civil Engineering • Environmental Services
 Land Surveying • Public Works • Water Resources
 Inland Empire Division
 22890 Center Ave., Ste. 200, Moreno Valley, CA 92553 (951) 633-0284
 BENCHMARK: CITY OF RIVERSIDE BENCHMARK P.K. NAIL AND CITY ENGINEER TAG IN THE NORTHERLY CORNER OF A CATCH BASIN IN THE MEDIAN CURB OF SYCAMORE CANYON BLVD., 95 FEET SOUTHERLY OF FAIR ISLE DRIVE. ADJUSTED AND ENTERED: MAY 1997 ELEV=1510.379

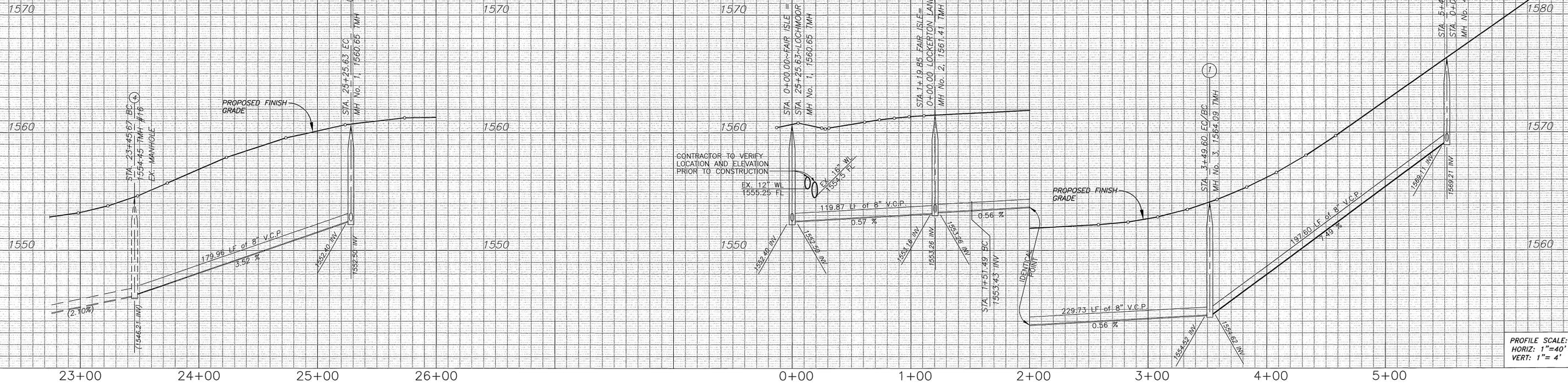
MARK	REVISIONS	APPR.	DATE
1	CHANGED STREET NAME	<u>FRB</u>	<u>TRC</u> <u>02/10/99</u>

CITY OF RIVERSIDE, CALIFORNIA
 DEPARTMENT OF PUBLIC WORKS
 APPROVED BY: _____ BY DATE: _____
 PRINCIPAL ENGINEER: R. Mc Graw
 PARK DEPARTMENT: _____ DIRECTOR OF PUBLIC WORKS
 TRAFFIC DIVISION: _____
 ENGINEERING MANAGER: MS 7/11/99 DATE: 4-21-99

SEWER PLANS
 TR. 21166
 TITLE SHEET

PROJECT NO. 30772
S-1695
 SHEET 1 OF 10

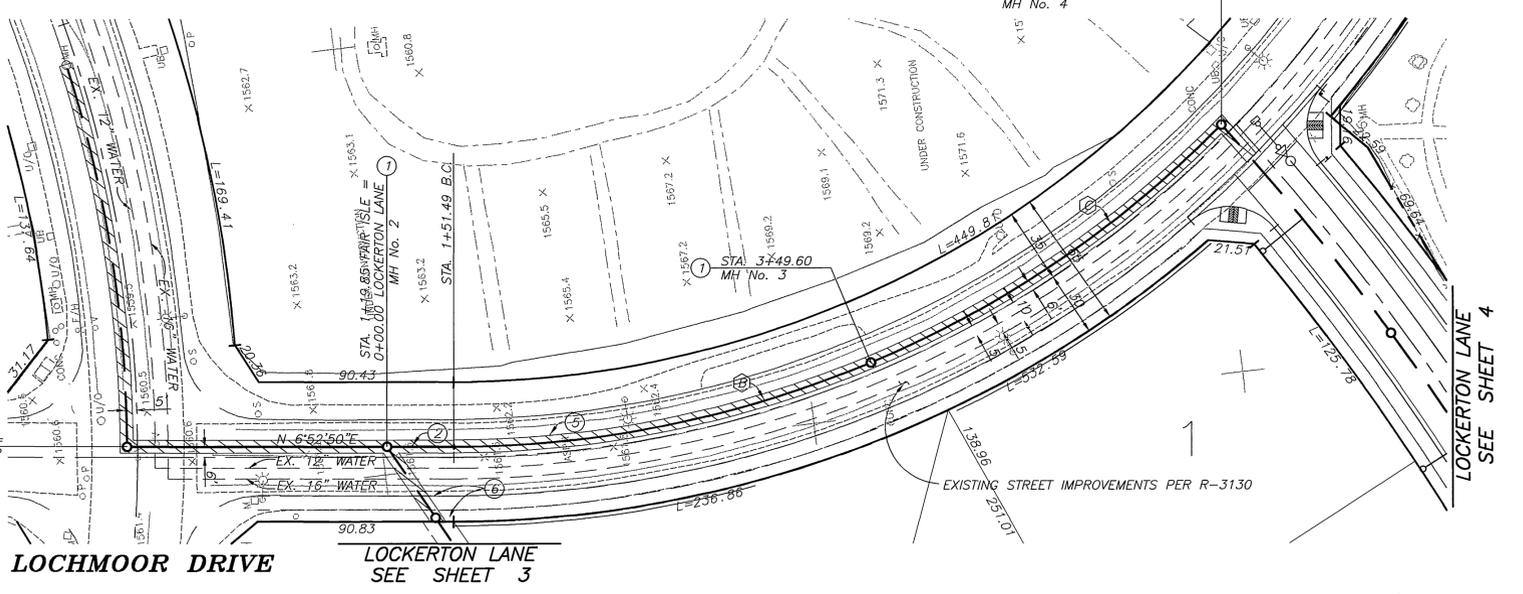
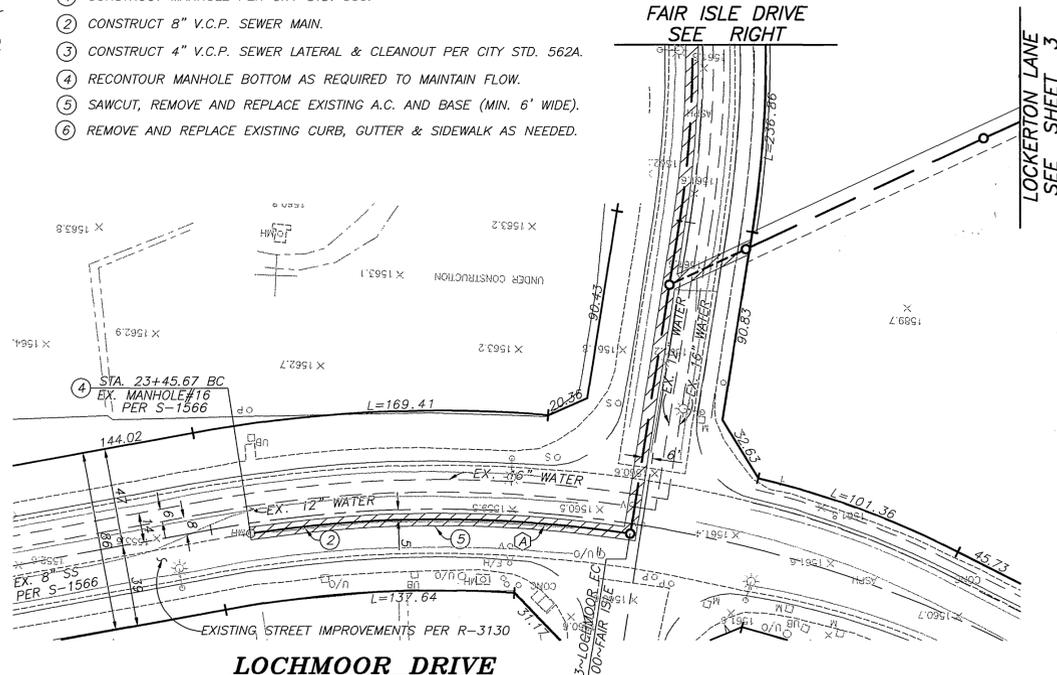
BENCHMARK: 11-17-708 - 111-60770 (2001) PLUMBA ENGINEER - F. ADAM



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

- CONSTRUCTION NOTES**
- CONSTRUCT MANHOLE PER CITY STD. 500.
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SCALE: 1" = 40'



CURVE DATA

DELTA/BEARING	RADIUS	LEN./DIST.	TANGENT
(A) 17'19'46"	595.00	179.96	90.67
(B) 22'52'40"	496.15	198.11	100.39
(C) 22'49'08"	496.15	197.60	100.13

SCALE: 1" = 40'

CITY OF RIVERSIDE WATER SYSTEM
APPROVED BY: *Richard J. Dadek*
DATE: 3/9/99



PRIVATE ENGINEERING NOTE
CONSTRUCTION CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, CONSTRUCTION CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY; THAT THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND CONSTRUCTION CONTRACTOR FURTHER AGREES TO DEFEND, INDEMNIFY AND HOLD DESIGN PROFESSIONAL HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF DESIGN PROFESSIONAL.



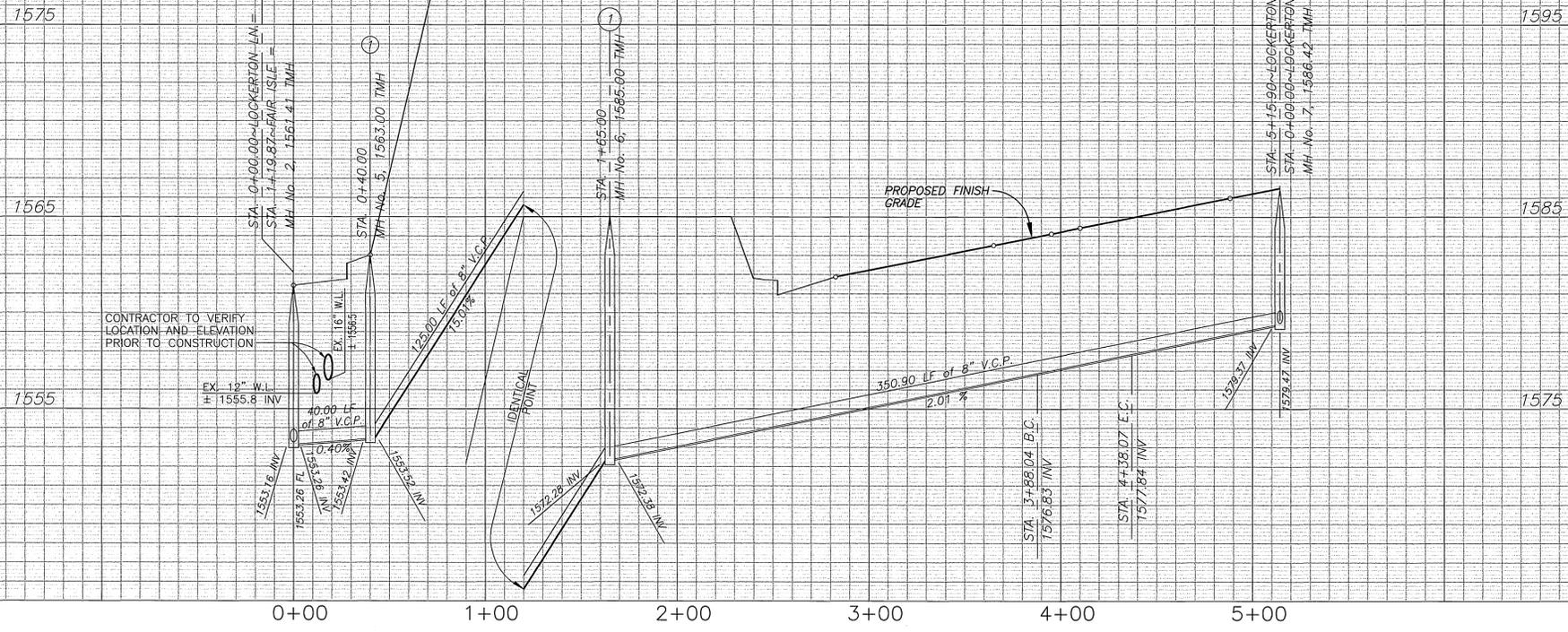
PREPARED UNDER THE DIRECTION OF:
George A. Lenfestey
R.C.E. 45920 - EXP. 12/31/02
DATE: 12/30/98
APPROVED BY: _____
DATE: _____

KEITH INTERNATIONAL, INC.
• Planning • Civil Engineering • Environmental Services •
• Land Surveying • Public Works • Water Resources •
Inland Empire Division
28890 Octopus Ave., Ste. 300, Moreno Valley, CA 92553 (909) 653-0254
BENCHMARK: CITY OF RIVERSIDE BENCHMARK P.K. NAIL AND CITY ENGINEER TAG IN THE NORTHERLY CORNER OF A CATCH BASIN IN THE MEDIAN CURB OF SYCAMORE CANYON BLVD., 95 FEET SOUTHERLY OF FAIR ISLE DRIVE. ADJUSTED AND ENTERED: MAY 1997 ELEV=1510.379

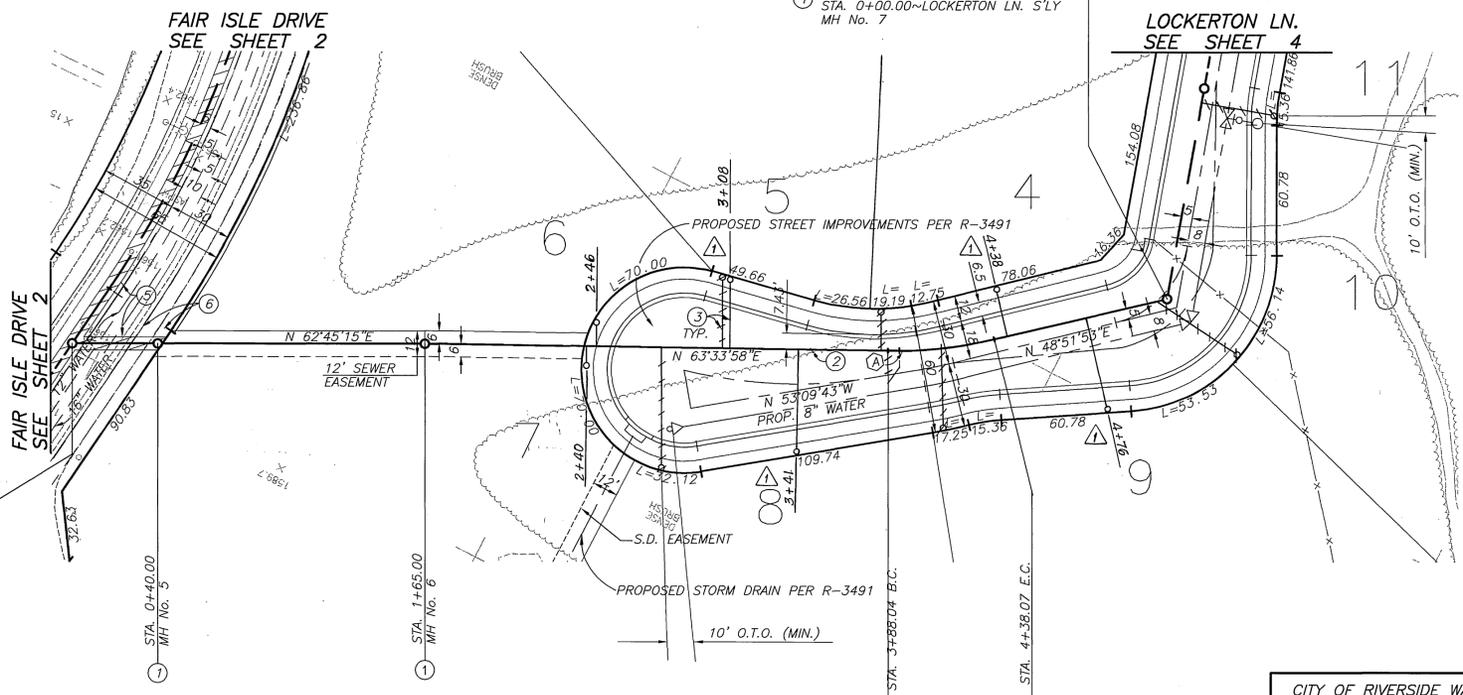
MARK	REVISIONS	APPR.	DATE

CITY OF RIVERSIDE, CALIFORNIA
DEPARTMENT OF PUBLIC WORKS
APPROVED BY: _____
PRINCIPAL ENGINEER: *R. Mc Smith*
TRAFFIC DIVISION: _____
ENGINEERING MANAGER: _____
DATE: 9-21-99

AS BUILT DRAWING OF RECORD
DATE: 1/31/00
INDEXED 5-5-99 4H
SEWER PLANS
TR. 21166
FAIR ISLE DRIVE
LOCHMOOR DRIVE
HORIZ. SCALE: 1"=40' VERT. SCALE: 1"=4'
PROJECT NO. 30772
S-1695
SHEET 2 OF 10



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



- CONSTRUCTION NOTES**
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CURVE DATA

DELTA/BEARING	RADIUS	LEN./DIST.	TANGENT
14°42'05"	195.00	50.03	25.16

CITY OF RIVERSIDE WATER SYSTEM
 Approved BY: *Richard J. Orshuk*
 DATE: 3/9/99

AS BUILT
 DRAWING OF RECORD
 DATE: 1/31/00
 INDEXED 5-5-99 LHM

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 Underground Service Alert
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REGISTERED PROFESSIONAL ENGINEER
 Civil
 George A. Lenfestey
 No. 45920
 Exp. 12-31-02
 STATE OF CALIFORNIA

PREPARED UNDER THE DIRECTION OF:
 GEORGE A. LENFESTEY
 R.C.E. 45920 - EXP. 12/31/02
 DATE: 12/30/99

APPROVED BY: _____
 DATE: _____

KEITH INTERNATIONAL, INC.
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 Inland Empire Division
 22897 Octopus Ave., Ste. 300, Moreno Valley, CA 92553 (909) 659-0254

BENCHMARK: CITY OF RIVERSIDE BENCHMARK P.K. NAIL AND CITY ENGINEER TAG IN THE NORTHERLY CORNER OF A CATCH BASIN IN THE MEDIAN CURB OF SYCAMORE CANYON BLVD., 95 FEET SOUTHERLY OF FAIR ISLE DRIVE. ADJUSTED AND ENTERED: MAY 1997 ELEV=1510.379

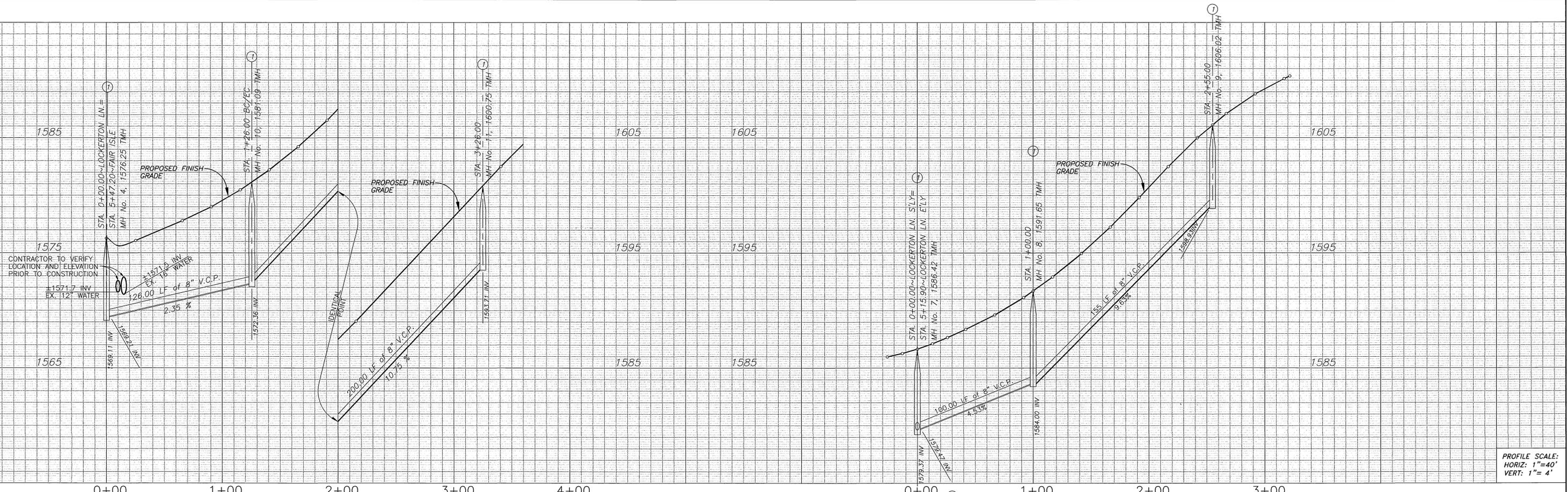
CITY OF RIVERSIDE, CALIFORNIA
 DEPARTMENT OF PUBLIC WORKS

APPROVED BY: _____ BY DATE: _____
 PRINCIPAL ENGINEER: *R. McKeath*
 PARK DEPARTMENT: _____
 TRAFFIC DIVISION: _____
 ENGINEERING MANAGER: _____
 DATE: 4-21-99

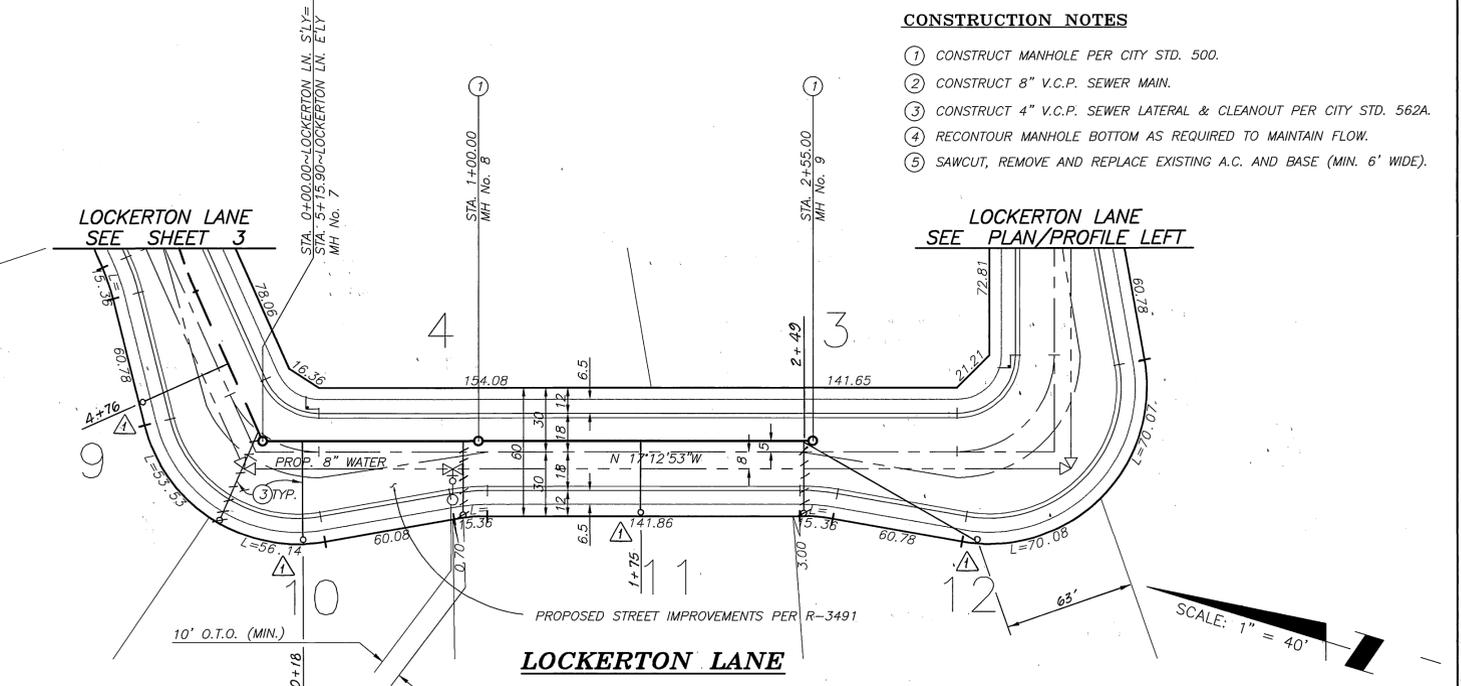
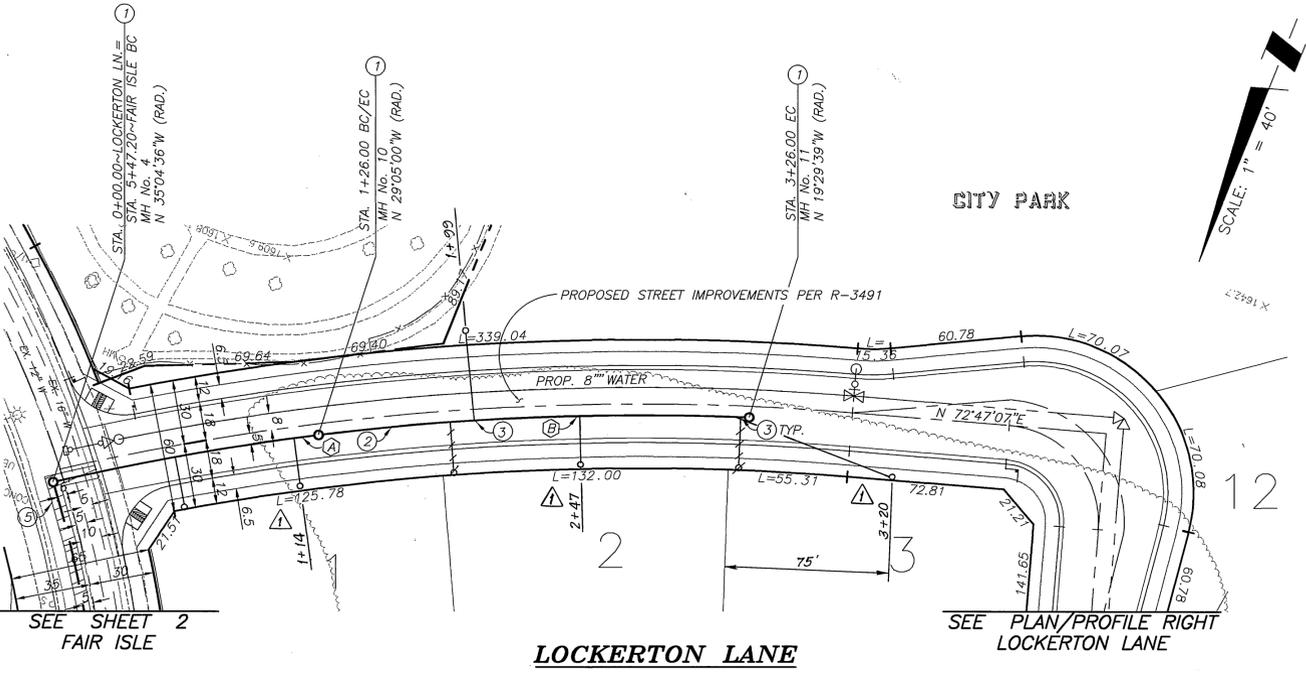
SEWER PLANS
 TR. 21166
 LOCKERTON LANE

PROJECT NO. 30772
S-1695

HORIZ. SCALE: 1"=40' VERT. SCALE: 1"=4'
 SHEET 3 OF 10



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



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CITY OF RIVERSIDE WATER SYSTEM

APPROVED BY: *Richard J. Drahok* DATE: 3/9/99

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PREPARED UNDER THE DIRECTION OF:
George A. Lenfestey DATE: 12/31/98
R.C.E. 45920 - EXP. 12/31/02
APPROVED BY: _____ DATE: _____

CURVE DATA

DELTA/BEARING	RADIUS	LEN./DIST.	TANGENT
(A) 09°35'21"	1195.00	200.00	100.23
(B) 05°59'36"	1195.00	125.00	62.56

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20890 Octopus Ave., Ste. 302, Merced Valley, CA 95369 (909) 669-0254
BENCHMARK: CITY OF RIVERSIDE BENCHMARK P.K. NAIL AND CITY ENGINEER TAG IN THE NORTHERLY CORNER OF A CATCH BASIN IN THE MEDIAN CURB OF SYCAMORE CANYON BLVD., 95 FEET SOUTHERLY OF FAIR ISLE DRIVE. ADJUSTED AND ENTERED: MAY 1997 ELEV=1510.379

DESIGNED BY JLE DRAWN BY GNS CHECKED BY R.Y.

AS BUILT DRAWING OF RECORD
DATE: 1/31/00

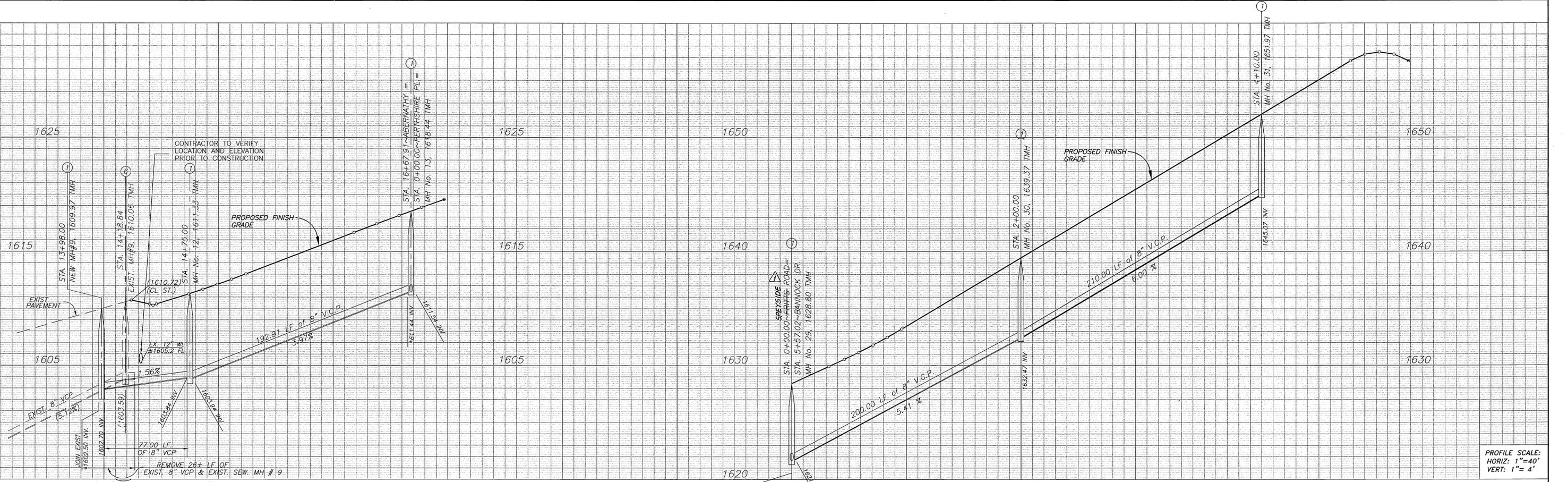
CITY OF RIVERSIDE, CALIFORNIA
DEPARTMENT OF PUBLIC WORKS

APPROVED BY: *R. M. Smith* DATE: 9-21-99
PRINCIPAL ENGINEER
TRAFFIC DIVISION
ENGINEERING MANAGER

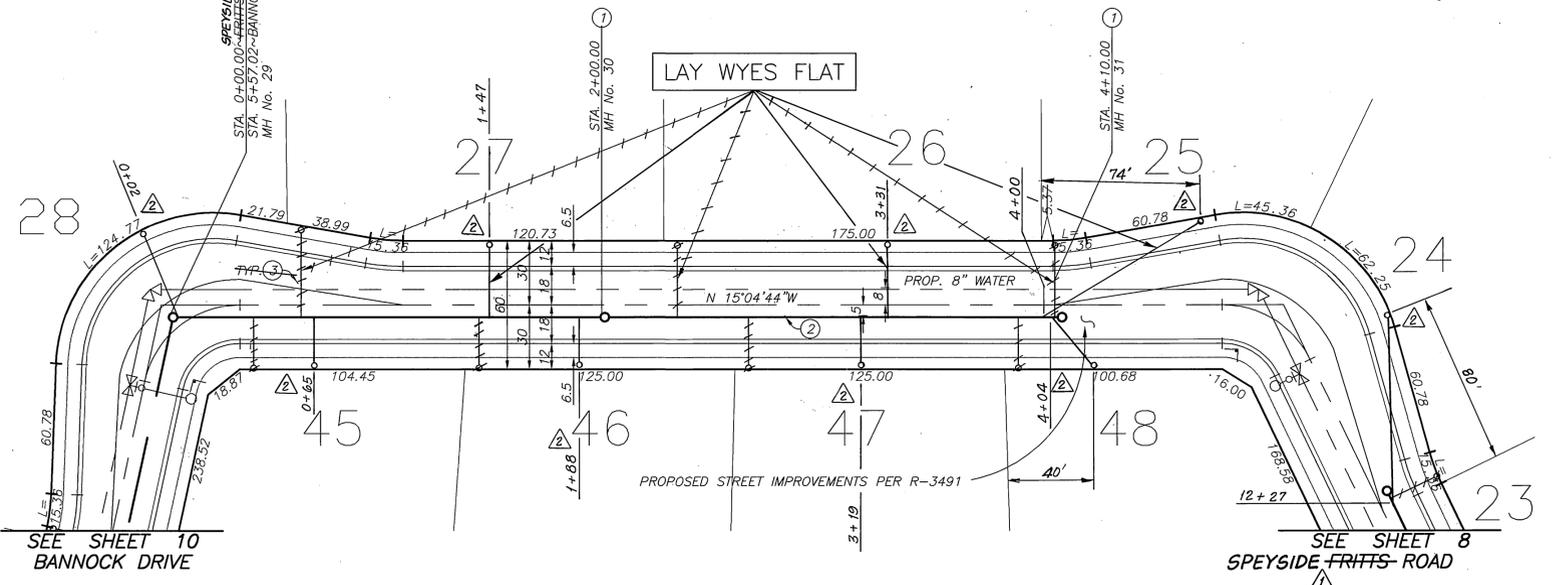
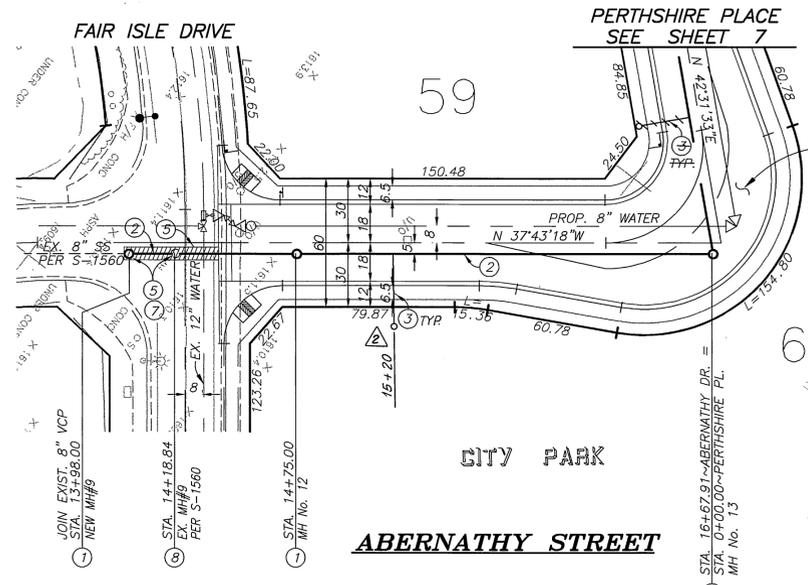
PARKS AND RECREATION DEPARTMENT
APPROVED BY: *Richard J. Drahok* DATE: 3/9/99
INDEXED 3-5-99 JH

SEWER PLANS
TR. 21166
LOCKERTON LANE

PROJECT NO. 30772
S-1695
SHEET 4 OF 10



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



- CONSTRUCTION NOTES**
- 1 CONSTRUCT MANHOLE PER CITY STD. 500.
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 - 6 REMOVE EXISTING 8" V.C.P.
 - 7 REMOVE EXISTING SEWER MANHOLE

CITY OF RIVERSIDE WATER SYSTEM
APPROVED BY: *Richard L. Drobek* 3/9/99 DATE

Underground Service Alert
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PREPARED UNDER THE DIRECTION OF:
George A. Lenfestey
R.C.E. 45920 - EXP. 12/31/02
DATE: 12/30/98

APPROVED BY: _____ DATE: _____

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• Land Surveying • Public Works • Water Resources •
Inland Empire Division
2890 Dichter Ave., Ste. 300, Moreno Valley, CA 92553 (951) 659-0284

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MARK	REVISIONS	APPR.	DATE
1	CHANGED STREET NAME	FRZ	1/31/00
2	REVISED LATERALS PER AS-BUILT	FRZ	2/16/00

CITY OF RIVERSIDE, CALIFORNIA
DEPARTMENT OF PUBLIC WORKS

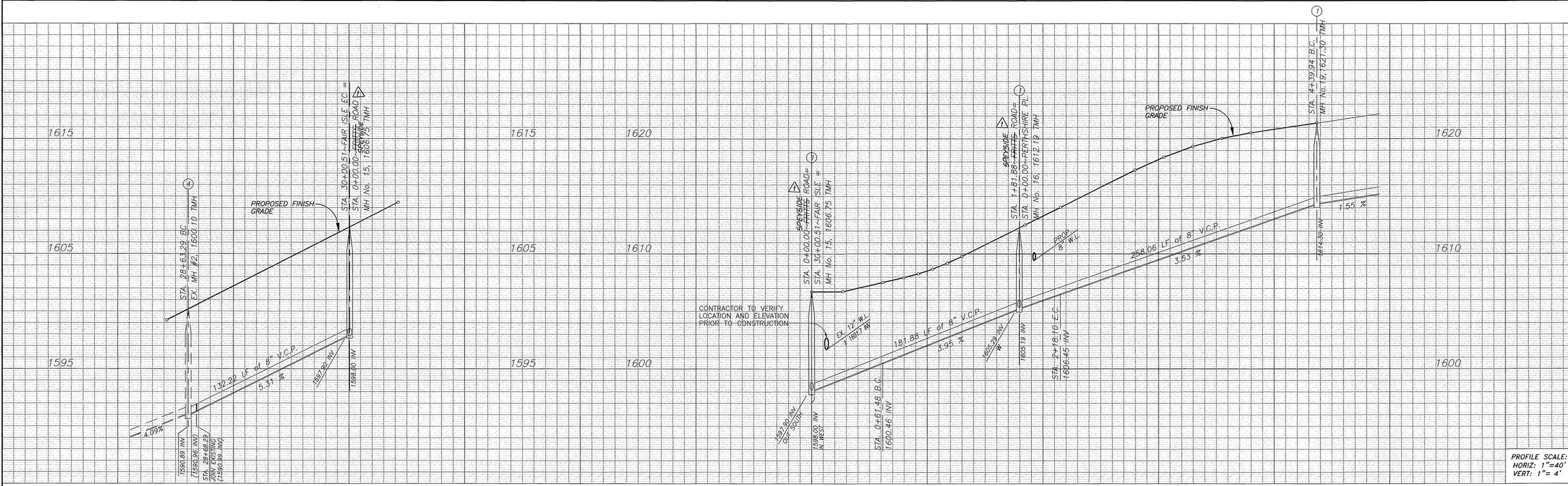
APPROVED BY: _____ BY DATE: _____
PRINCIPAL ENGINEER: *R. Mc Bratt*
TRAFFIC DIVISION: _____
ENGINEERING MANAGER: _____
DATE: 4-21-99

APPROVED BY: *R. Mc Bratt* 3-4-99 DATE
INDEXED 5-5-99 LHL

SEWER PLANS
TR. 21166
ABERNATHY STREET
SPEYSIDE FRITTS ROAD

HORIZ. SCALE: 1"=40' VERT. SCALE: 1"=4'

PROJECT NO. 30772
S-1695
SHEET 5 OF 10



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

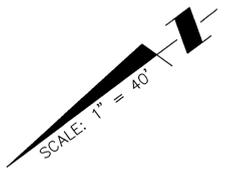
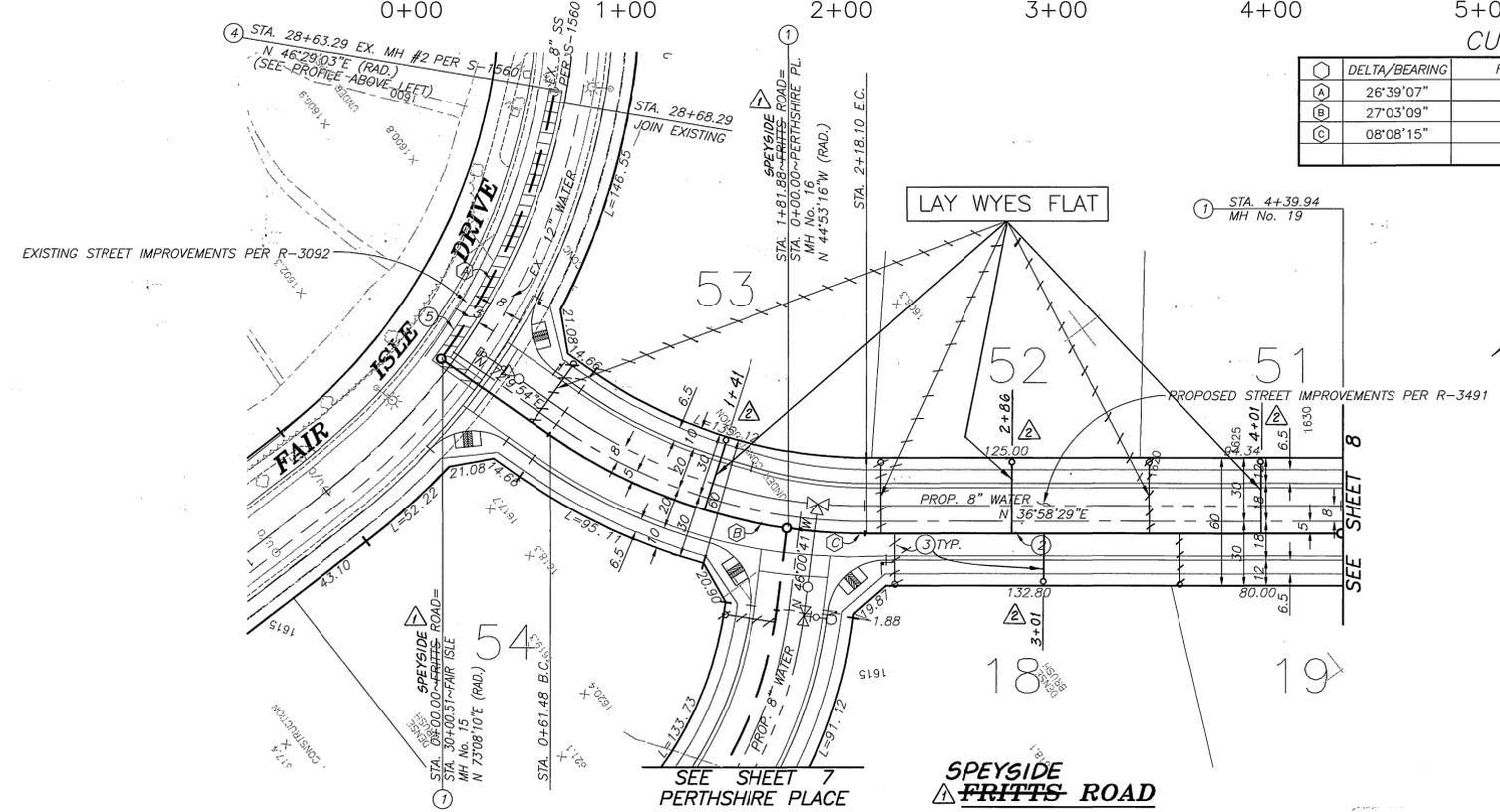
FAIR ISLE DRIVE

CURVE DATA

DELTA/BEARING	RADIUS	LEN./DIST.	TANGENT
26°39'07"	295.00	137.22	69.88
27°03'09"	255.00	120.40	61.34
08°08'15"	255.00	36.22	18.14

CONSTRUCTION NOTES

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- 2 CONSTRUCT 8" V.C.P. SEWER MAIN.
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CITY OF RIVERSIDE WATER SYSTEM

Approved BY: *Richard L. Drahok*
DATE: 3/9/99

BUSINESS TAX CERTIFICATION # 033595 EXP. DATE 4/2/99

AS BUILT
DRAWING OF RECORD
DATE: 1/31/00 INDEXED 5-5-99 LTH



PRIVATE ENGINEERING NOTE
CONSTRUCTION CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, CONSTRUCTION CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT INCLUDING SAFETY OF ALL PERSONS AND PROPERTY; THAT THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND CONSTRUCTION CONTRACTOR FURTHER AGREES TO DEFEND, INDEMNIFY AND HOLD DESIGN PROFESSIONAL HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF DESIGN PROFESSIONAL.



PREPARED UNDER THE DIRECTION OF:
George A. Lenfestey
DATE: 12/30/98
APPROVED BY: _____ DATE: _____

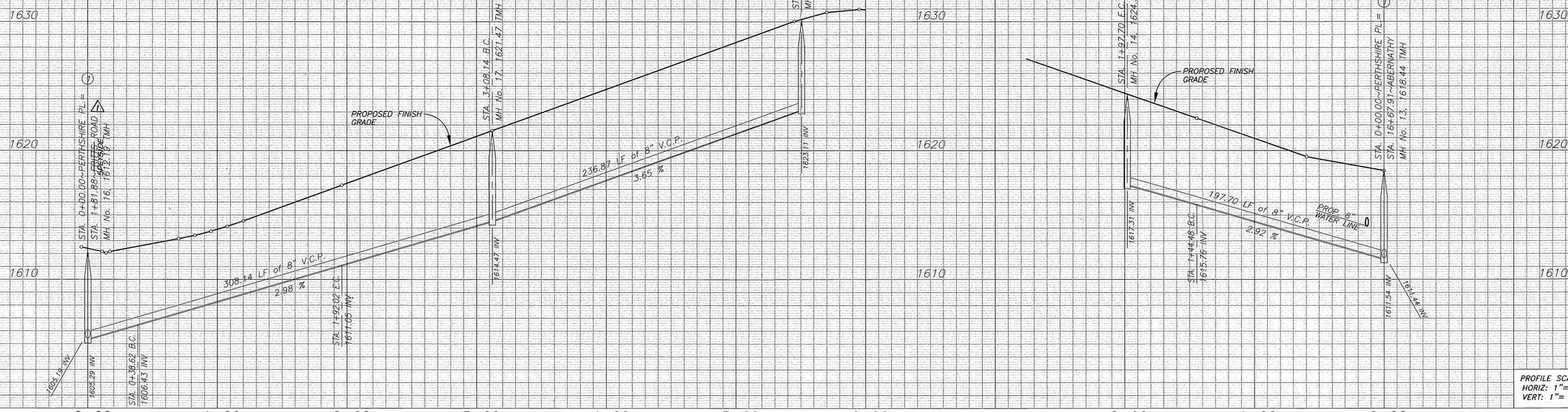
KEITH INTERNATIONAL, INC.
Planning • Civil Engineering • Environmental Services
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MARK	REVISIONS	APPR.	DATE
Δ	CHANGED STREET NAME		
Δ	REVISED LATERALS PER AS-BUILT		

CITY OF RIVERSIDE, CALIFORNIA
DEPARTMENT OF PUBLIC WORKS
APPROVED BY: _____ DATE: 4-21-99
PRINCIPAL ENGINEER: *R. M. Grath*
PARK DEPARTMENT: _____
TRAFFIC DIVISION: _____
ENGINEERING MANAGER: _____

SEWER PLANS
TR. 21166
FAIR ISLE DRIVE
SPEYSIDE FRITTS ROAD
HORIZ. SCALE: 1"=40' VERT. SCALE: 1"=4'

PROJECT NO. 30772
S-1695
SHEET 6 OF 10



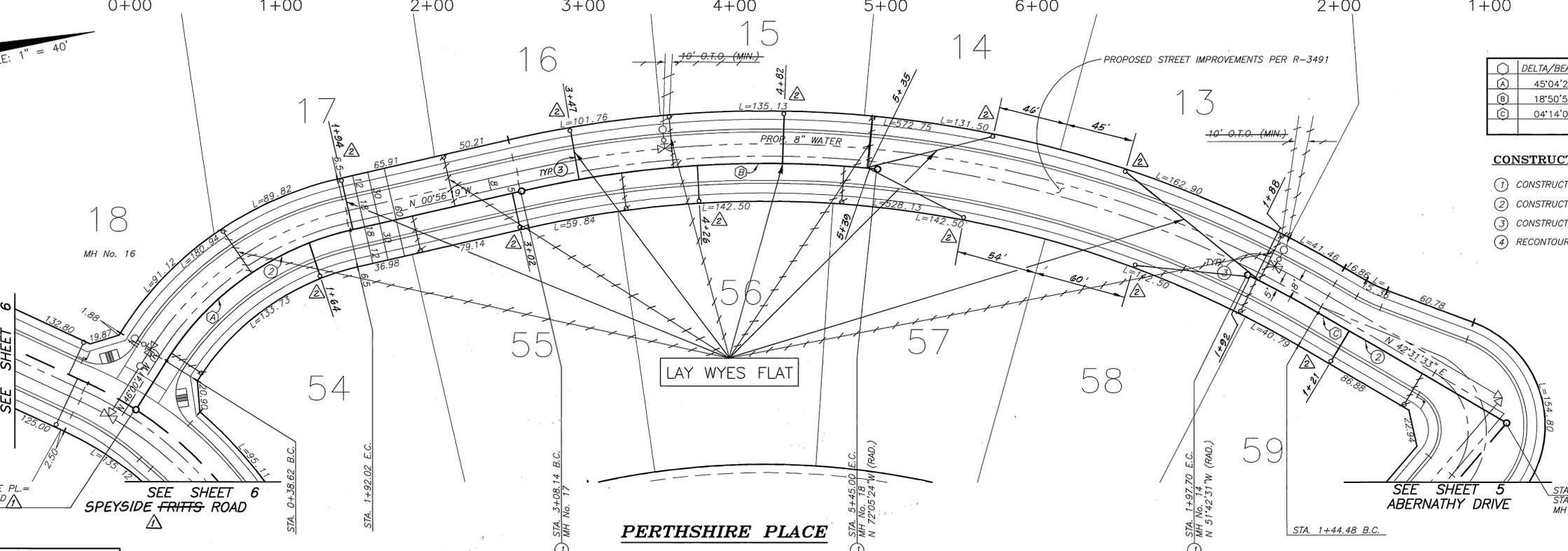
PROFILE SCALE:
HORIZ: 1"=40'
VERT: 1"=4'

CURVE DATA

DELTA/BEARING	RADIUS	LEN./DIST.	TANGENT
45°04'22"	195.00	153.40	80.92
18°50'55"	720.00	236.86	119.51
04°14'04"	720.00	53.21	26.62

CONSTRUCTION NOTES

- CONSTRUCT MANHOLE PER CITY STD. 500.
- CONSTRUCT 8" V.C.P. SEWER MAIN.
- CONSTRUCT 4" V.C.P. SEWER LATERAL & CLEANOUT PER CITY STD. 562A.
- RECONTOUR MANHOLE BOTTOM AS REQUIRED TO MAINTAIN FLOW.



SCALE: 1" = 40'

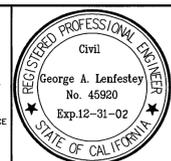
CITY OF RIVERSIDE WATER SYSTEM
APPROVED BY: *Richard J. Drosch* 3/9/99 DATE

BUSINESS TAX CERTIFICATION # 033595 EXP. DATE 4/2/99

AS BUILT
DRAWING OF RECORD
DATE: 1/31/00 INDEXED 5-5-95 Lff



PRIVATE ENGINEERING NOTE
CONSTRUCTION CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, CONSTRUCTION CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY; THAT THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND CONSTRUCTION CONTRACTOR FURTHER AGREES TO DEFEND, INDEMNIFY AND HOLD DESIGN PROFESSIONAL HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF DESIGN PROFESSIONAL.



PREPARED UNDER THE DIRECTION OF:
George A. Lenfestey
George A. LENFESTEY
R.C.E. 45920 - EXP. 12/31/02
DATE: 12/30/98
APPROVED BY: _____ DATE: _____

KEITH INTERNATIONAL, INC.
• Planning • Civil Engineering • Environmental Services •
• Land Surveying • Public Works • Water Resources •
Inland Empire Division
2890 Chester Ave., Ste. 300, Moreno Valley, CA 92553 (909) 468-0284
BENCHMARK: CITY OF RIVERSIDE BENCHMARK P.K. NAIL AND CITY ENGINEER TAG IN THE NORTHERLY CORNER OF A CATCH BASIN IN THE MEDIAN CURB OF SYCAMORE CANYON BLVD., 95 FEET SOUTHERLY OF FAIR ISLE DRIVE, ADJUSTED AND ENTERED: MAY 1997 ELEV=1510.378

MARK	REVISIONS	APPR.	DATE
Δ	CHANGED STREET NAME		
Δ	REVISED LATERALS PER AS-BUILT		

CITY OF RIVERSIDE, CALIFORNIA
DEPARTMENT OF PUBLIC WORKS
APPROVED BY: *R. Mc Grath*
PRINCIPAL ENGINEER
PARK DEPARTMENT
TRAFFIC DIVISION
ENGINEERING MANAGER
DATE: 4-21-99

SEWER PLANS
TR. 21166
PERTHSHIRE PLACE

PROJECT NO. 30772
S-1695
SHEET 7 OF 10

HORIZ. SCALE: 1"=40' VERT. SCALE: 1"=4'

1630

1620

1610

1650

1640

1630

4+00

5+00

6+00

7+00

8+00

9+00

10+00

11+00

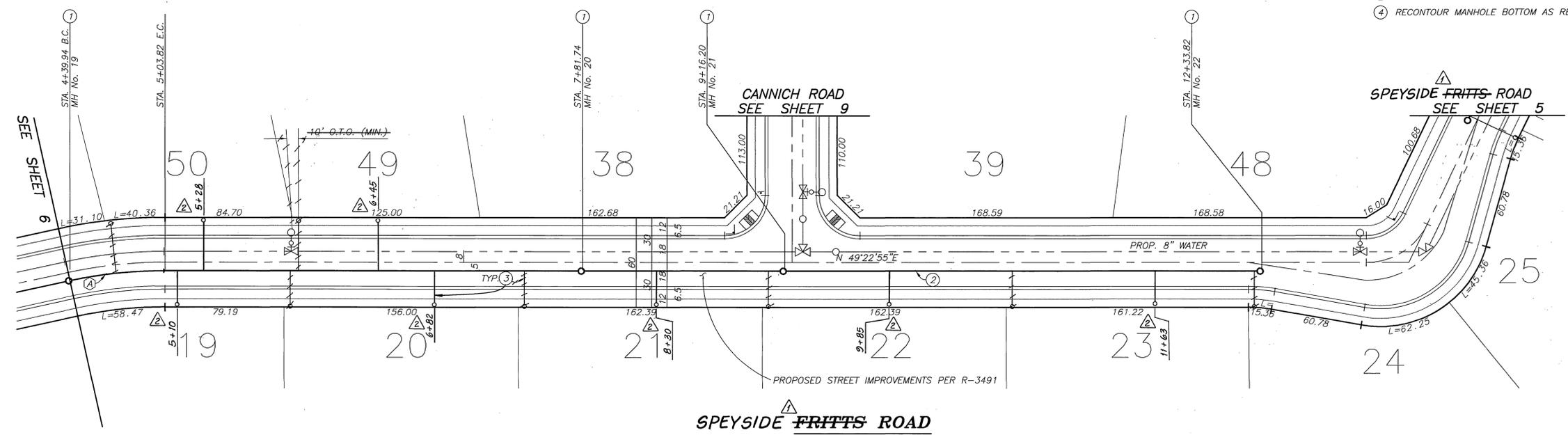
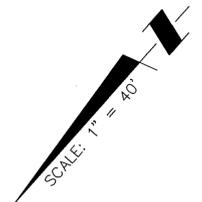
12+00

13+00

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

CONSTRUCTION NOTES

- ① CONSTRUCT MANHOLE PER CITY STD. 500.
- ② CONSTRUCT 8" V.C.P. SEWER MAIN.
- ③ CONSTRUCT 4" V.C.P. SEWER LATERAL & CLEANOUT PER CITY STD. 562A.
- ④ RECONTOUR MANHOLE BOTTOM AS REQUIRED TO MAINTAIN FLOW.



Δ	DELTA/BEARING	RADIUS	LEN./DIST.	TANGENT
①	12°24'26"	295.00	63.88	32.07

CITY OF RIVERSIDE WATER SYSTEM
 APPROVED BY: *Richard L. Doherty* DATE: 3/9/99

BUSINESS TAX CERTIFICATION # 033595 EXP. DATE 4/2/99



PRIVATE ENGINEERING NOTE
 CONSTRUCTION CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, CONSTRUCTION CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT INCLUDING SAFETY OF ALL PERSONS AND PROPERTY; THAT THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND CONSTRUCTION CONTRACTOR FURTHER AGREES TO DEFEND, INDEMNIFY AND HOLD DESIGN PROFESSIONAL HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF DESIGN PROFESSIONAL.



PREPARED UNDER THE DIRECTION OF:
George A. Lenfestey DATE: 12/30/98
 GEORGE A. LENFESTEY R.C.E. 45920 - EXP. 12/31/02
 APPROVED BY: _____ DATE: _____

KEITH INTERNATIONAL, INC.
 Planning • Civil Engineering • Environmental Services •
 Land Surveying • Public Works • Water Resources •
 Inland Empire Division
 22850 Cactus Ave., Ste. 300, Moreno Valley, CA 92553 (909) 853-0234
 BENCHMARK: CITY OF RIVERSIDE BENCHMARK P.K. NAIL AND CITY ENGINEER TAG IN THE NORTHERLY CORNER OF A CATCH BASIN IN THE MEDIAN CURB OF SYCAMORE CANYON BLVD., 95 FEET SOUTHERLY OF FAIR ISLE DRIVE, ADJUSTED AND ENTERED: MAY 1997 ELEV=1510.379

MARK	REVISIONS	APPR.	DATE
Δ	CHANGED STREET NAME		
Δ	REVISED LATERALS PER AS-BUILT		

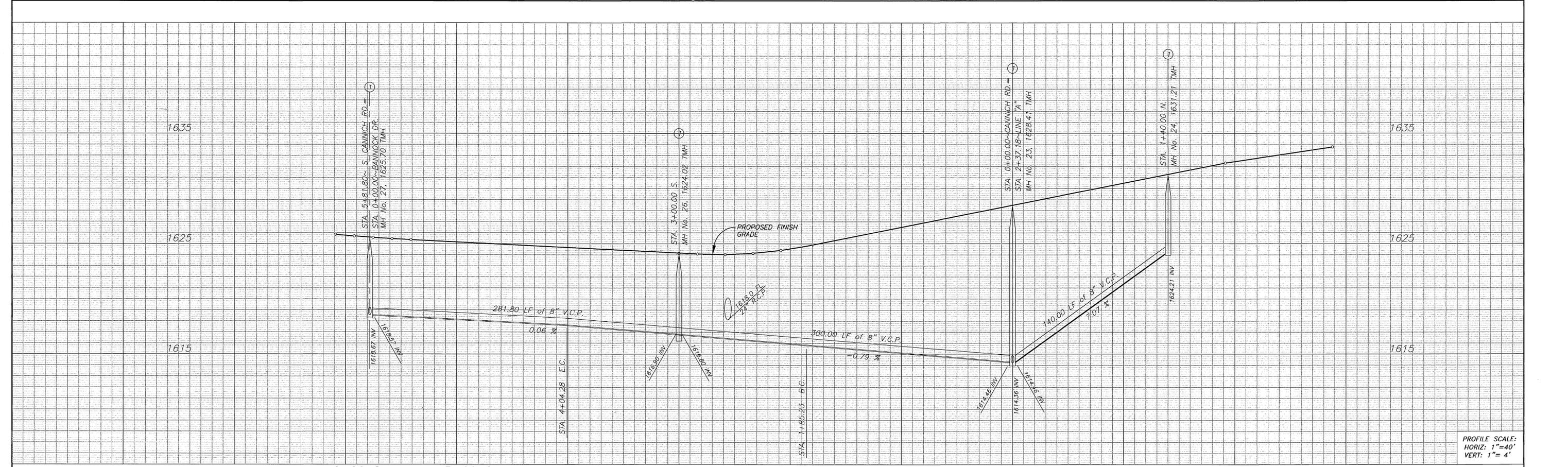
CITY OF RIVERSIDE, CALIFORNIA
 DEPARTMENT OF PUBLIC WORKS
 APPROVED BY: _____ BY DATE: _____
 PRINCIPAL ENGINEER: *R. McAnath*
 PARK DEPARTMENT: _____ DIRECTOR OF PUBLIC WORKS
 TRAFFIC DIVISION: _____
 ENGINEERING MANAGER: _____ DATE: 4-21-99

AS BUILT
 DRAWING OF RECORD
 DATE: 1/31/00 INDEXED 5-5-99 LH

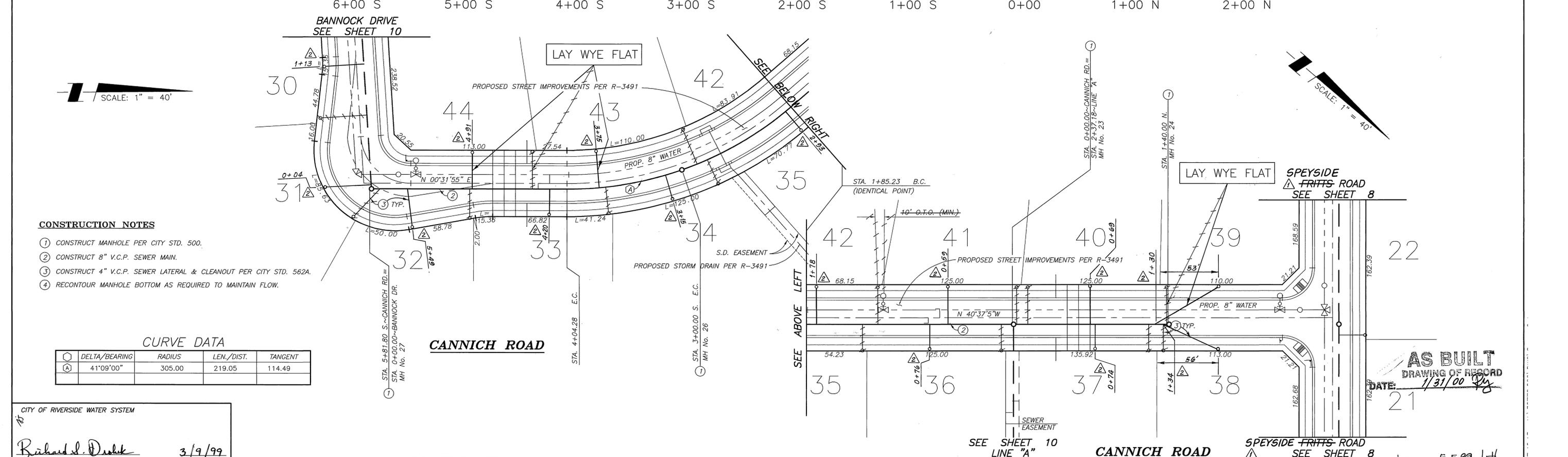
SEWER PLANS
 TR. 21166
 SPEYSIDE FRITTS ROAD

PROJECT NO. 30772
S-1695
 SHEET 8 OF 10

HORIZ. SCALE: 1"=40' VERT. SCALE: 1"=4'



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



- CONSTRUCTION NOTES**
1. CONSTRUCT MANHOLE PER CITY STD. 500.
 2. CONSTRUCT 8" V.C.P. SEWER MAIN.
 3. CONSTRUCT 4" V.C.P. SEWER LATERAL & CLEANOUT PER CITY STD. 562A.
 4. RECONTOUR MANHOLE BOTTOM AS REQUIRED TO MAINTAIN FLOW.

CURVE DATA

DELTA/BEARING	RADIUS	LEN./DIST.	TANGENT
41°09'00"	305.00	219.05	114.49

CITY OF RIVERSIDE WATER SYSTEM
 Approved by: *Richard D. Deak* 3/9/99
 DATE

PRIVATE ENGINEERING NOTE

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REG. LICENSED PROFESSIONAL ENGINEER
 Civil
 George A. Lenfestey
 No. 45820
 Exp. 12-31-02
 STATE OF CALIFORNIA

PREPARED UNDER THE DIRECTION OF:
 GEORGE A. LENFESTEY
 R.C.E. 45920 - EXP. 12/31/02
 DATE: 12/30/98

APPROVED BY: _____ DATE: _____

KEITH INTERNATIONAL, INC.
 Planning • Civil Engineering • Environmental Services
 Land Surveying • Public Works • Water Resources
 Inland Empire Division
 28990 Cactus Ave., Ste. 300, Moreno Valley, CA 92553 (909) 658-0284

BENCHMARK: CITY OF RIVERSIDE BENCHMARK P.K. NAIL AND CITY ENGINEER TAG IN THE NORTHERLY CORNER OF A CATCH BASIN IN THE MEDIAN CURB OF SYCAMORE CANYON BLVD., 95 FEET SOUTHERLY OF FAIR ISLE DRIVE. ADJUSTED AND ENTERED: MAY 1997 ELEV=1510.379

MARK	REVISIONS	APPR.	DATE
1	CHANGED STREET NAME	F282	1/2/99
2	REVISED LATERALS PER AS-BUILT	1/15	2/16/99

CITY OF RIVERSIDE, CALIFORNIA
 DEPARTMENT OF PUBLIC WORKS

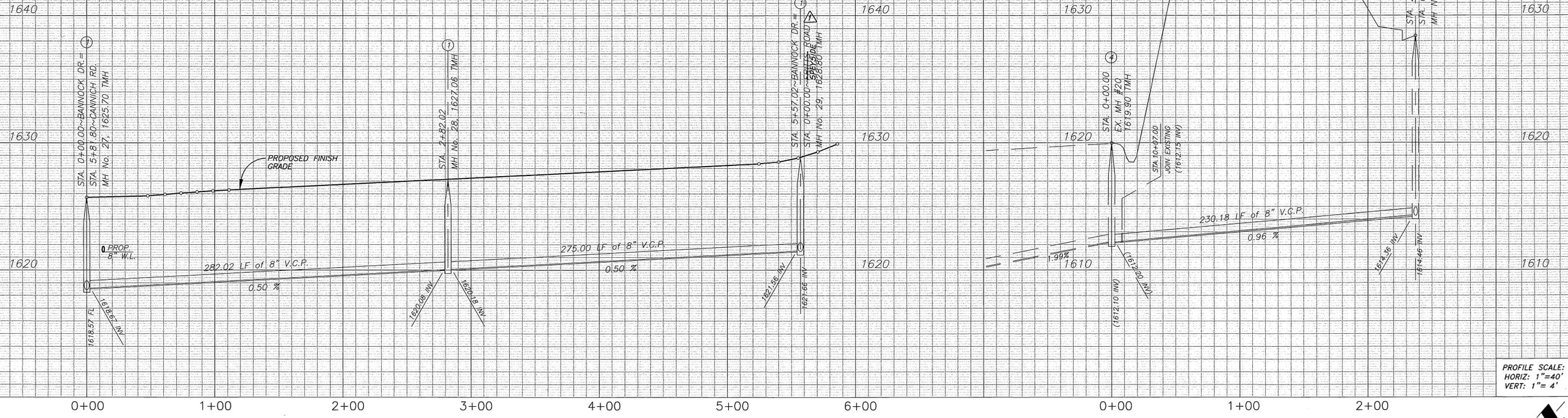
APPROVED BY: _____ DATE: 4-21-99
 R. McBrath
 DIRECTOR OF PUBLIC WORKS

SEWER PLANS
 TR. 21166
 CANNICH ROAD

HORIZ. SCALE: 1"=40' VERT. SCALE: 1"=4'

PROJECT NO. 30772
S-1695
 SHEET 9 OF 10

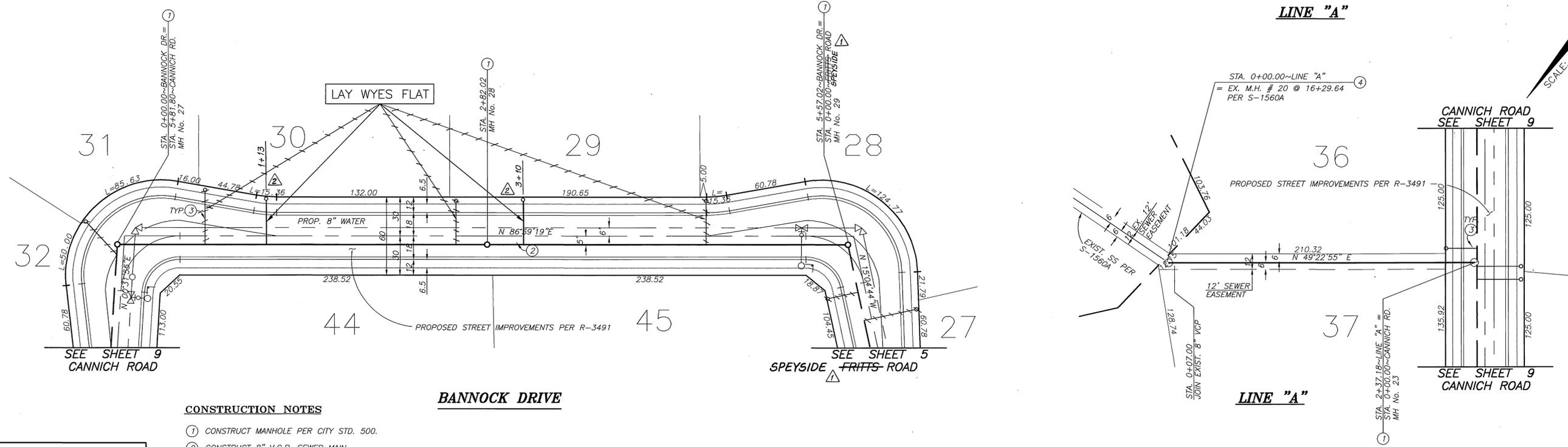
AS BUILT
 DRAWING OF RECORD
 DATE: 1/31/00
 21



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

SCALE: 1" = 40'

SCALE: 1" = 40'



- CONSTRUCTION NOTES**
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CITY OF RIVERSIDE WATER SYSTEM

APPROVED BY: *Richard J. Dabek* DATE: 3/9/99

PRIVATE ENGINEERING NOTE

CONSTRUCTION CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, CONSTRUCTION CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY; THAT THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND CONSTRUCTION CONTRACTOR FURTHER AGREES TO DEFEND, INDEMNIFY AND HOLD DESIGN PROFESSIONAL HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF DESIGN PROFESSIONAL.

George A. Lenfestey
No. 45920
Exp. 12-31-02
STATE OF CALIFORNIA

PREPARED UNDER THE DIRECTION OF:

George A. Lenfestey 12/31/99 DATE

George A. LENFESTEY
R.C.E. 45920 - EXP. 12/31/02

APPROVED BY: _____ DATE: _____

KEITH INTERNATIONAL, INC.
• Planning • Civil Engineering • Environmental Services •
• Land Surveying • Public Works • Water Resources •

Inland Empire Division
20030 Doctor Ave., Ste. 305, Moreno Valley, CA 92553 (909) 668-0284

BENCHMARK: CITY OF RIVERSIDE BENCHMARK P.K. NAIL AND CITY ENGINEER TAG IN THE NORTHERLY CORNER OF A CATCH BASIN IN THE MEDIAN CURB OF SYCAMORE CANYON BLVD., 95 FEET SOUTHERLY OF FAIR ISLE DRIVE. ADJUSTED AND ENTERED: MAY 1997 ELEV=1510.379

MARK	REVISIONS	APPR.	DATE
△	CHANGED STREET NAME	FRED	10/20/99
△	REVISED LATERALS PER AS-BUILT	TRB	2/10/00

CITY OF RIVERSIDE, CALIFORNIA
DEPARTMENT OF PUBLIC WORKS

APPROVED BY: _____ BY: _____ DATE: _____

APPROVED BY: *R. M. Brath*
DIRECTOR OF PUBLIC WORKS

DATE: 4-21-99

AS BUILT
DRAWING OF RECORD
DATE: 1/31/00 INDEXED 5-5-99 LfH

SEWER PLANS
TR. 21166
BANNOCK DRIVE
LINE "A"

PROJECT NO. 30772
S-1695
SHEET 10 OF 10