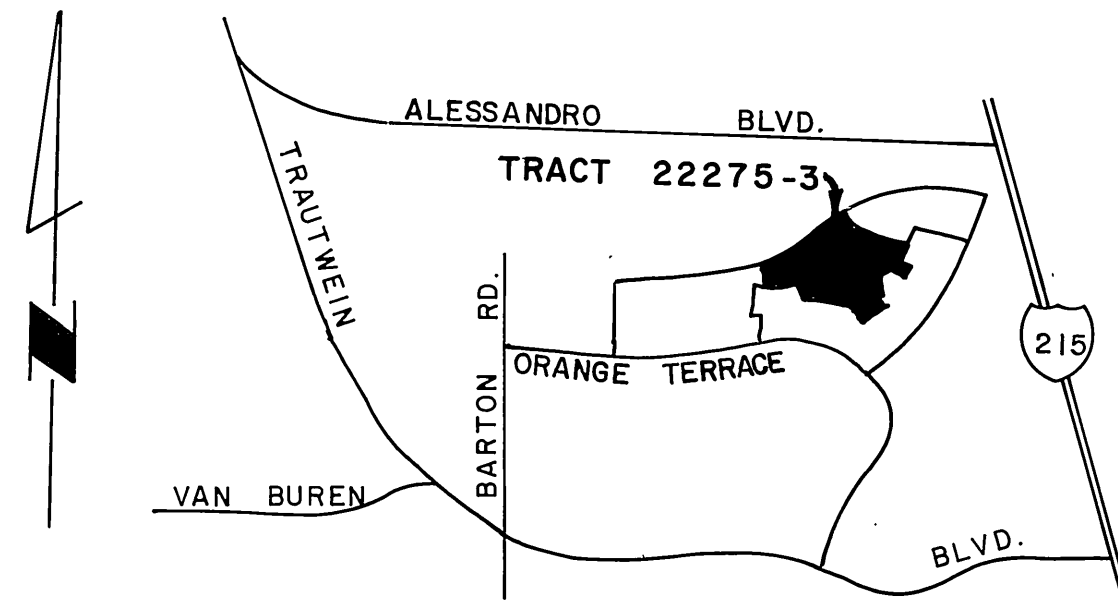
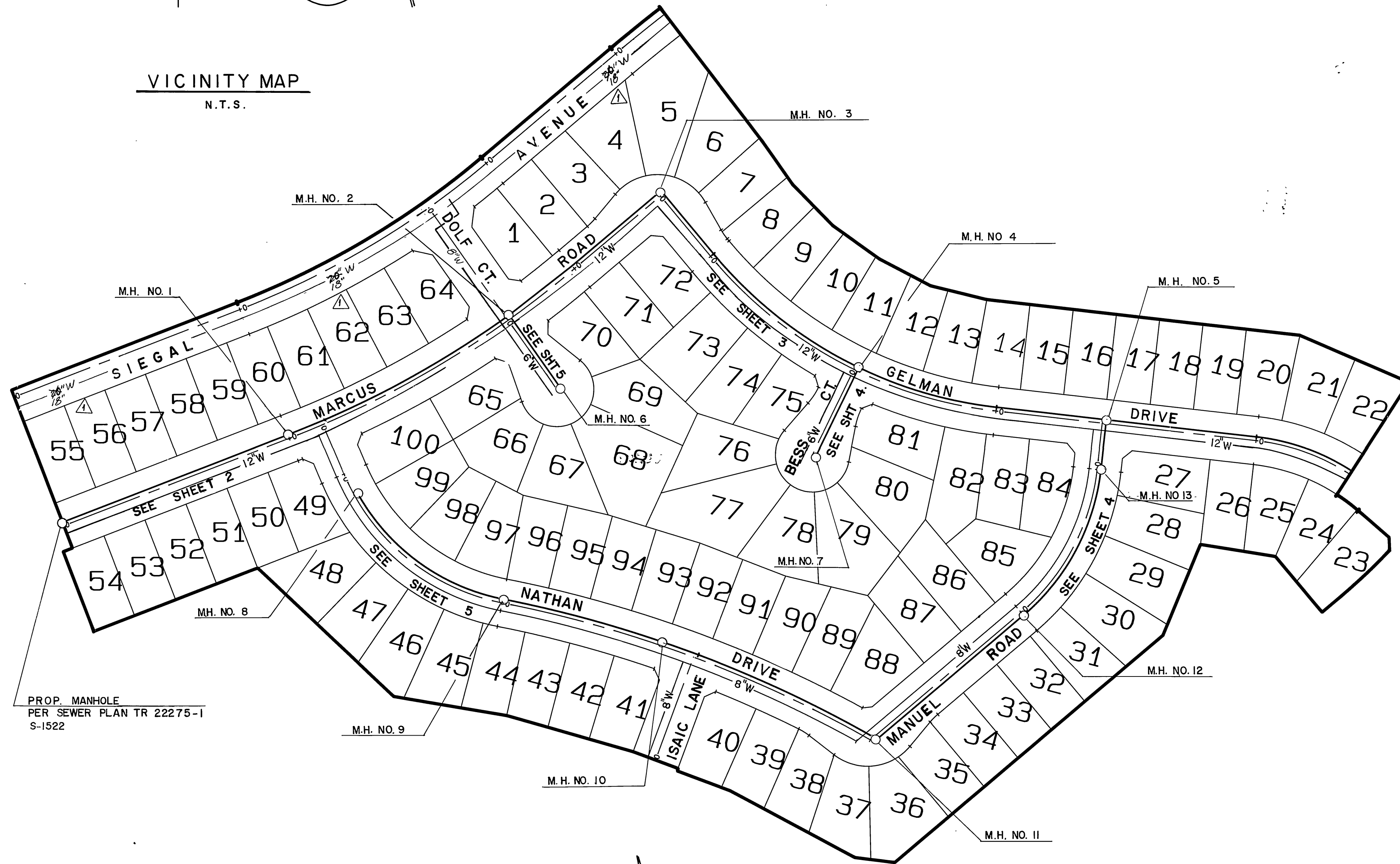


TRACT 22275-3

SEWER IMPROVEMENTS



VICINITY MAP
N.T.S.



PROP. MANHOLE
PER SEWER PLAN TR 22275-1
S-1522

INDEX MAP

1" = 100'

GENERAL NOTES

- 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.
- 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.
- Construction shall be in accordance with the City of Riverside Dept. of Public Works, Standard Drawings, Std. Dwg. No. 10, and the Standard Specifications for Public Works Construction, Current Edition.
- Location of laterals to be determined in the field at the direction of the owner. Avoid conflict with proposed and/or existing facilities.
- Contractor is to verify existing sewer elevation prior to construction.
- The sewer contractor shall adjust manholes to final grade after paving is completed.
- No finished floor elevation shall be less than 4' above the sewer flow line at the point of connection without having a proper backwater valve installed in the lateral.
- A plug wall 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.
- All manholes to be Riverside City Std. No. 500.
- All flagged elevations shall be staked in the field by private engineer.
- The contractor shall call in a locations request to UNDERGROUND SERVICE ALERT (USA), Phone No. 1-800-422-4133, 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.
- 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.
- Notice to contractor. The existence and location of any underground utility pipes or structures shown on these plans were obtained by a search of the 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 precautionary measures to protect the utility lines shown and any other lines not of record or not shown on these plans.
- Quantities shown are for information only and the City of Riverside is not responsible for their accuracy.

QUANTITIES

8" V.C.P.	3756	L.F.
M.H.	13	EA.
4" LATERALS	3503	L.F.

LEGEND

	PROPOSED V.C.P. SEWER
	EXISTING V.C.P. SEWER
	MANHOLE

REVIEWED BY W.M.W.D. *[Signature]* 12/20/88
SHEETS 1 THRU 5
SUPERVISING DESIGN ENGINEER RCE 21643

Underground Service Alert
Call: TOLL FREE
1-800-422-4133
TWO WORKING DAYS BEFORE YOU DIG

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:
[Signature]
REGISTERED CIVIL ENGINEER NO. 12350
EXPIRATION DATE: 6-30-89 DATE: 6/2/88
APPROVED BY:

J.F. Davidson Associates, Inc.
ENGINEERING PLANNING SURVEYING ARCHITECTURE LANDSCAPE ARCHITECTURE
3880 Lemon Street, Suite 300 P.O. Box 493 Riverside, CA 92502 (714) 686-0644 FAX 714-686-5954
11200 S Mt. Vernon Ave., Suite "D" Colton, CA 92324 (919) 348-6911 FAX 619-340-0529

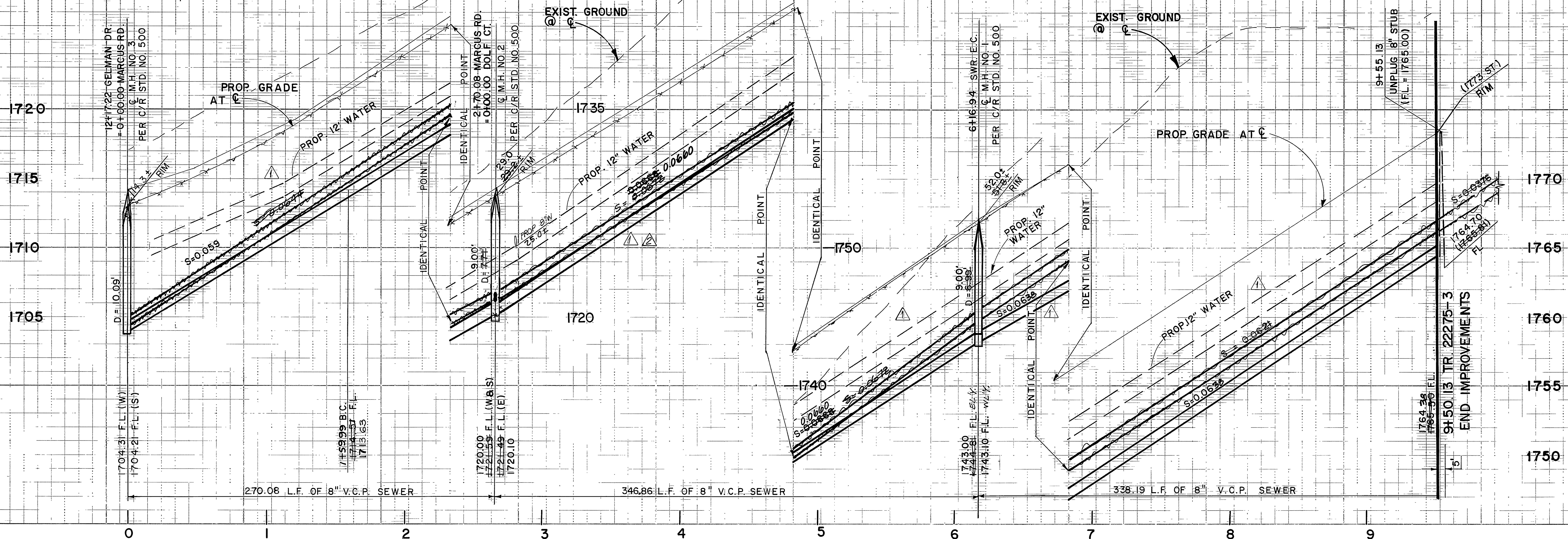
SCALE: AS SHOWN
DATE: APRIL 1988

DESIGNED BY	LWS	DRAWN BY	CH	CHECKED BY	JAO
DATE		DATE		DATE	

CITY OF RIVERSIDE, CALIFORNIA DEPARTMENT OF PUBLIC WORKS		
APPROVED BY	BY	DATE
PRINCIPAL ENGINEER	<i>[Signature]</i>	12/30/88
PARK DEPARTMENT		
TRAFFIC DIVISION		
CHIEF P.W. ENGR.	<i>[Signature]</i>	12/29

TRACT 22275-3
SEWER PLAN & PROFILE
TITLE SHEET
FOR: S.I.C.

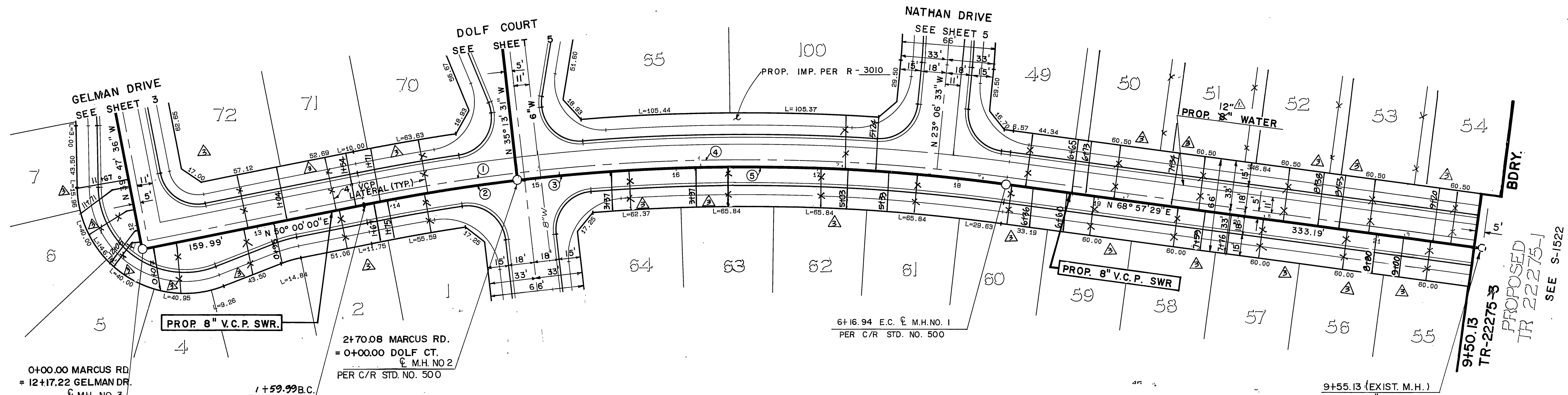
PROJECT NO. S-1524
SHEET 1 OF 5
FILE NO.: 8710243 (M)



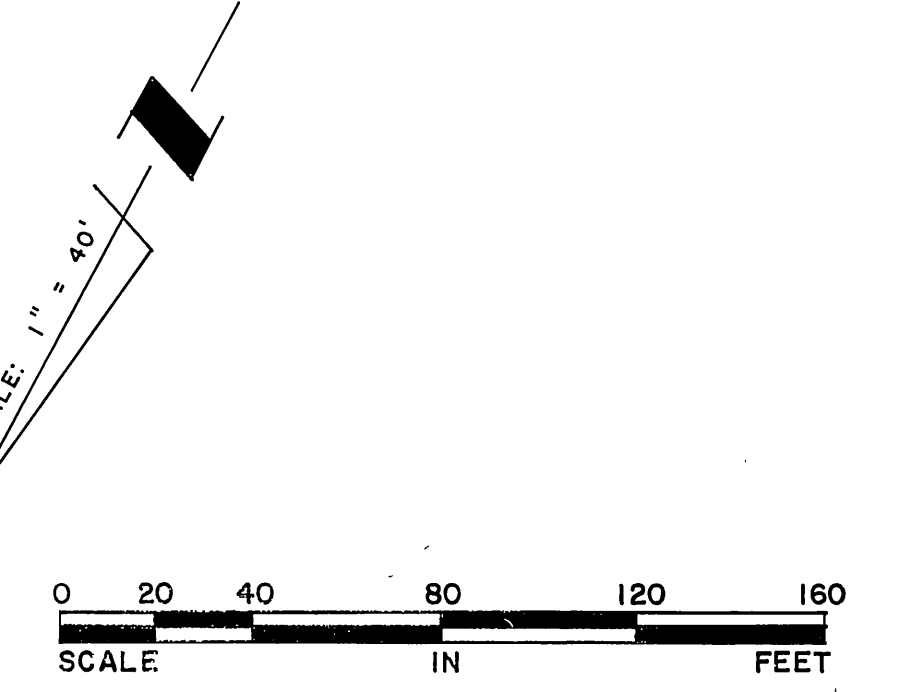
PROFILE SCALES
HORIZ. 1" = 40'
VERT. 1" = 4'

NOTE: FROM STA. 1+00.00 TO STA. 2+50.00
INSTALL WYES. PER CITY STD. NO. 562; NOTE 3.
UNTIL YOU CLEAR WATER MAIN.

CURVE DATA				
NO.	Δ	R	L	T
①	04° 46' 29"	1386.00'	115.50'	57.78'
②	04° 34' 02"	1381.00'	110.09'	55.07'
③	18° 57' 29"	1381.00'	456.95'	230.58'
④	12° 06' 58"	1386.00'	293.09'	147.09'
⑤	14° 23' 27"	1381.00'	346.86'	174.35'

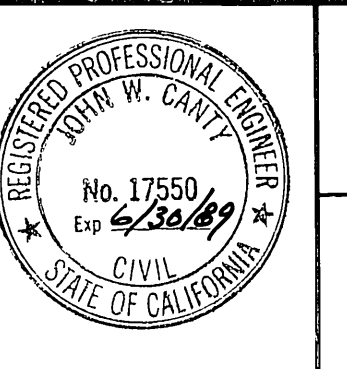


MARCUS ROAD



Underground Service Alert
Call: TOLL FREE
1-800-422-4133
TWO WORKING DAYS BEFORE YOU DIG

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.



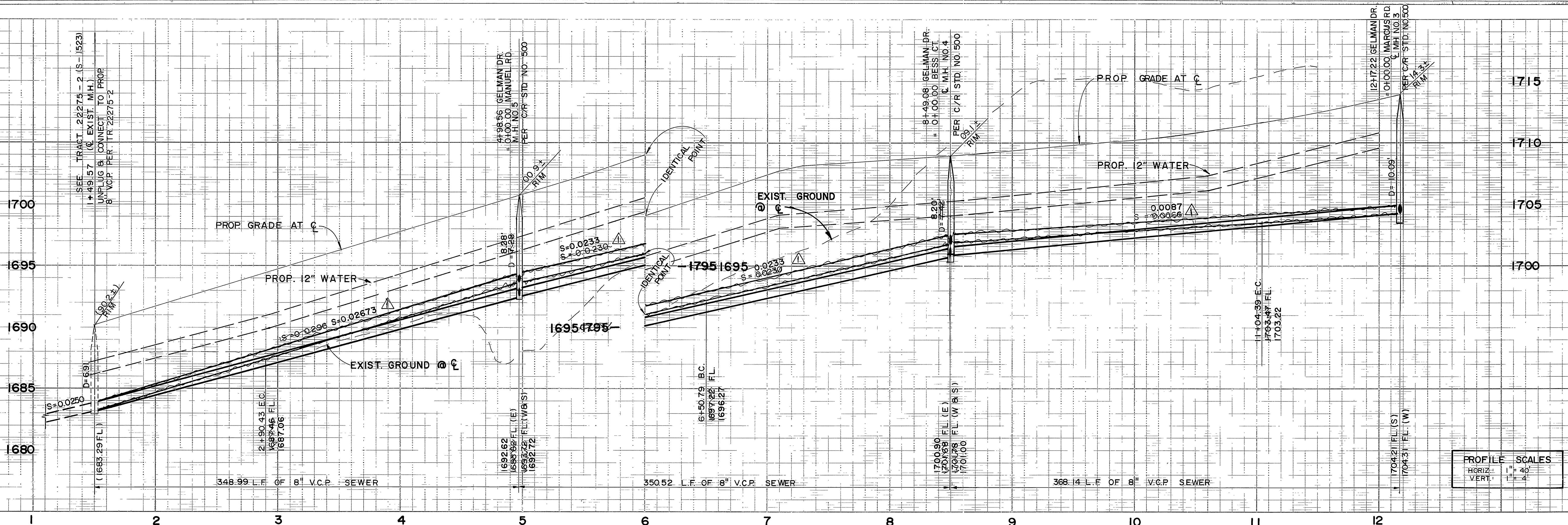
PREPARED UNDER THE DIRECTION OF:
John W. Canty
REGISTERED CIVIL ENGINEER NO. 17550
EXPIRATION DATE: 6-30-89 DATE: 6/2/88
APPROVED BY:

J.F. Davidson Associates, Inc.
ENGINEERING PLANNING SURVEYING ARCHITECTURE LANDSCAPE ARCHITECTURE
3880 Lemon Street, Suite 200 P.O. Box 493 Riverside, CA 92502 (714) 686-0844 FAX 714-686-5954
11200 S. Mt. Vernon Ave., Suite "D" Colton, CA 92324 (714) 825-1082
73-080 El Paseo, Suite 106 Palm Desert, CA 92260 (619) 348-9091 FAX 619-340-0529
SCALE AS SHOWN BENCH MARK V.B. 10-64 ELEV. 4700.670 DATE: 1971
DATE: MAR 1988

DESIGNED BY LWS DRAWN BY CH CHECKED BY JAO
REVISIONS: AS BUILT SEWER LATERALS, REVISED GRADE BETWEEN MH#1 & MH#2, REVISED SEWER LINE 9 AND 12" WATER LINE.

CITY OF RIVERSIDE, CALIFORNIA
DEPARTMENT OF PUBLIC WORKS
APPROVED BY: *Barry Bed*
PRINCIPAL ENGINEER
PARK DEPARTMENT
TRAFFIC DIVISION
DATE: 12/30/88

TRACT 22275-3
SEWER PLAN & PROFILE
MARCUS ROAD
PROJECT NO. S-1524
SHEET 2 OF 5
FOR: S.I.C.
FILE NO.: 8710243 (M)
INDEXED 1-31-89



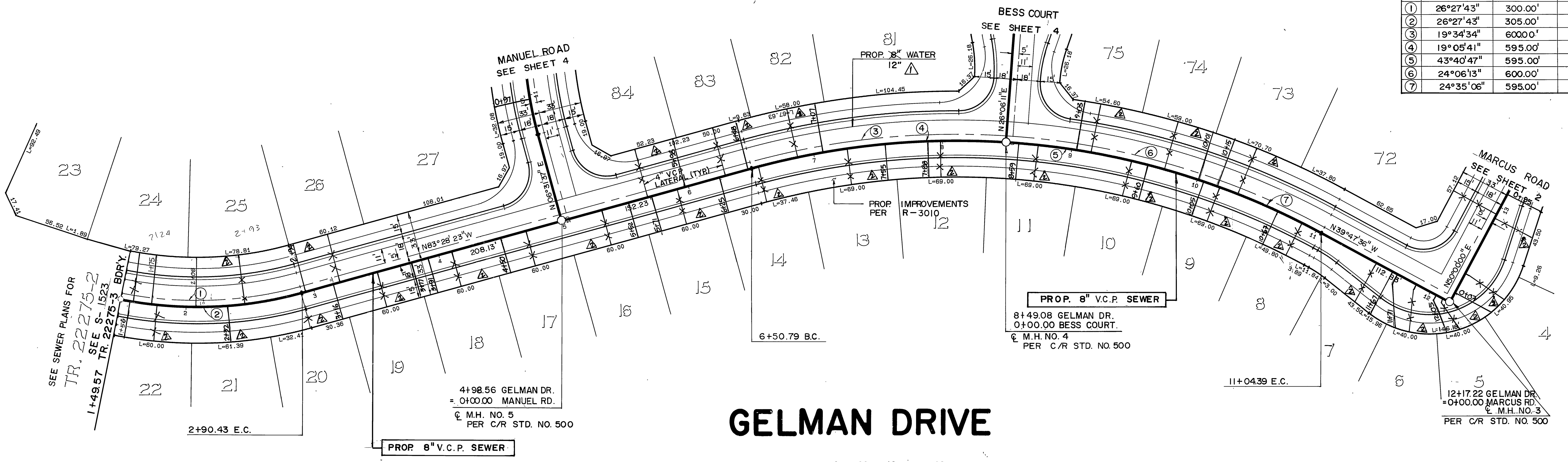
PROFILE SCALES

HORIZ: 1" = 40'

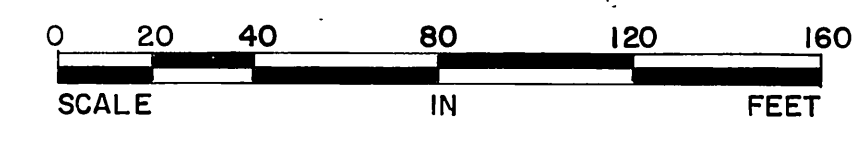
VERT: 1" = 4'

CURB DATA

NO.	Δ	R	L	T
1	26°27'43"	300.00'	138.55'	70.54'
2	26°27'43"	305.00'	140.86'	71.71'
3	19°34'34"	6000.0'	205.00'	103.51'
4	19°05'41"	595.00'	198.29'	100.07'
5	43°40'47"	595.00'	453.60'	238.46'
6	24°06'13"	600.00'	252.41'	128.10'
7	24°35'06"	595.00'	255.31'	129.65'



GELMAN DRIVE



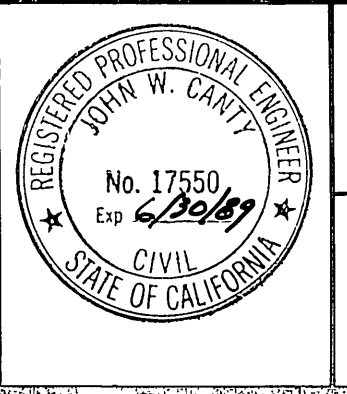
Underground Service Alert

Call: TOLL FREE 1-800-422-4133

TWO WORKING DAYS BEFORE YOU DIG

PRIVATE ENGINEERING NOTE

CONSTRUCTION CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES CONSTRUCTION CONTRACTOR SHALL BE REQUIRED TO ASSURE 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 OR WORK ON THIS PROJECT, EXCEPTING LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF DESIGN PROFESSIONAL.



PREPARED UNDER THE DIRECTION OF:
Jody W. Canty
 REGISTERED CIVIL ENGINEER NO. 17550
 EXPIRATION DATE: 6-30-99 DATE: 6/2/88

APPROVED BY:

J.F. Davidson Associates, Inc.
 ENGINEERING PLANNING SURVEYING ARCHITECTURE LANDSCAPE ARCHITECTURE

3880 Lemon Street, Suite 300 11200 S. Mt. Vernon Ave., Suite "D" 73-080 El Paseo, Suite 106
 P.O. Box 453 Colton, CA 92524 Palm Desert, CA 92260
 Riverside, CA 92502 (714) 858-0844 (714) 825-1082 (619) 346-5691
 FAX 714-858-5954 FAX 619-346-0259

SCALE: AS SHOWN DATE: MAR 1988

BENCH MARK: V.B. 40-64 ELEV. 1700.870 DATE: 1971
 BRASS DISK FLUSH & MARKED V.B. 40-64, 0.6 MI. E. ON VAN BUREN BLVD. FROM CL. INT. OF VAN BUREN & WOOD RD. 205' N. OF VAN BUREN & THE N. SIDE OF GRANITE BOULDERS, ON TOP OF 3'x15'x18" BOULDER

CITY OF RIVERSIDE, CALIFORNIA
 DEPARTMENT OF PUBLIC WORKS

APPROVED BY: *Barry Bed*
 DIRECTOR OF PUBLIC WORKS

DATE: 12/29/88

DESIGNED BY: LWS DRAWN BY: CMF/C.H. CHECKED BY: JAO

TRACT 22275-3
 SEWER PLAN & PROFILE
GELMAN DRIVE

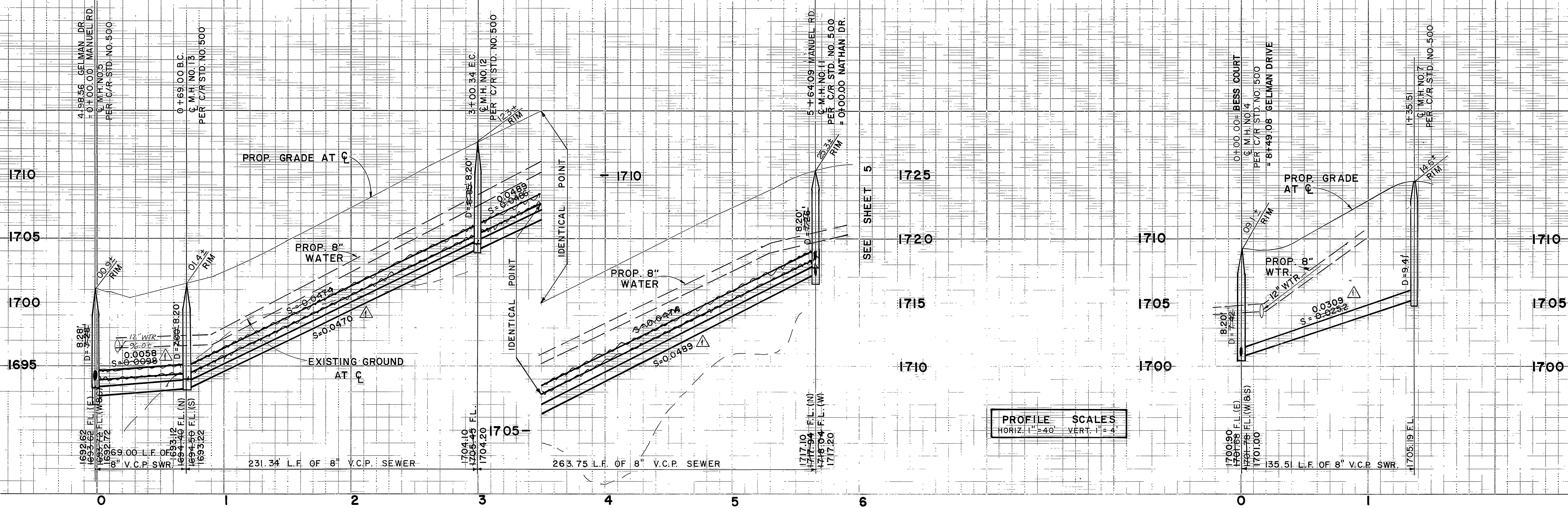
FOR: S.I.C.

PROJECT NO. **S-1524**

SHEET **3** OF **5**

FILE NO.: 8710243 (M)

INDEXED 1-31-89

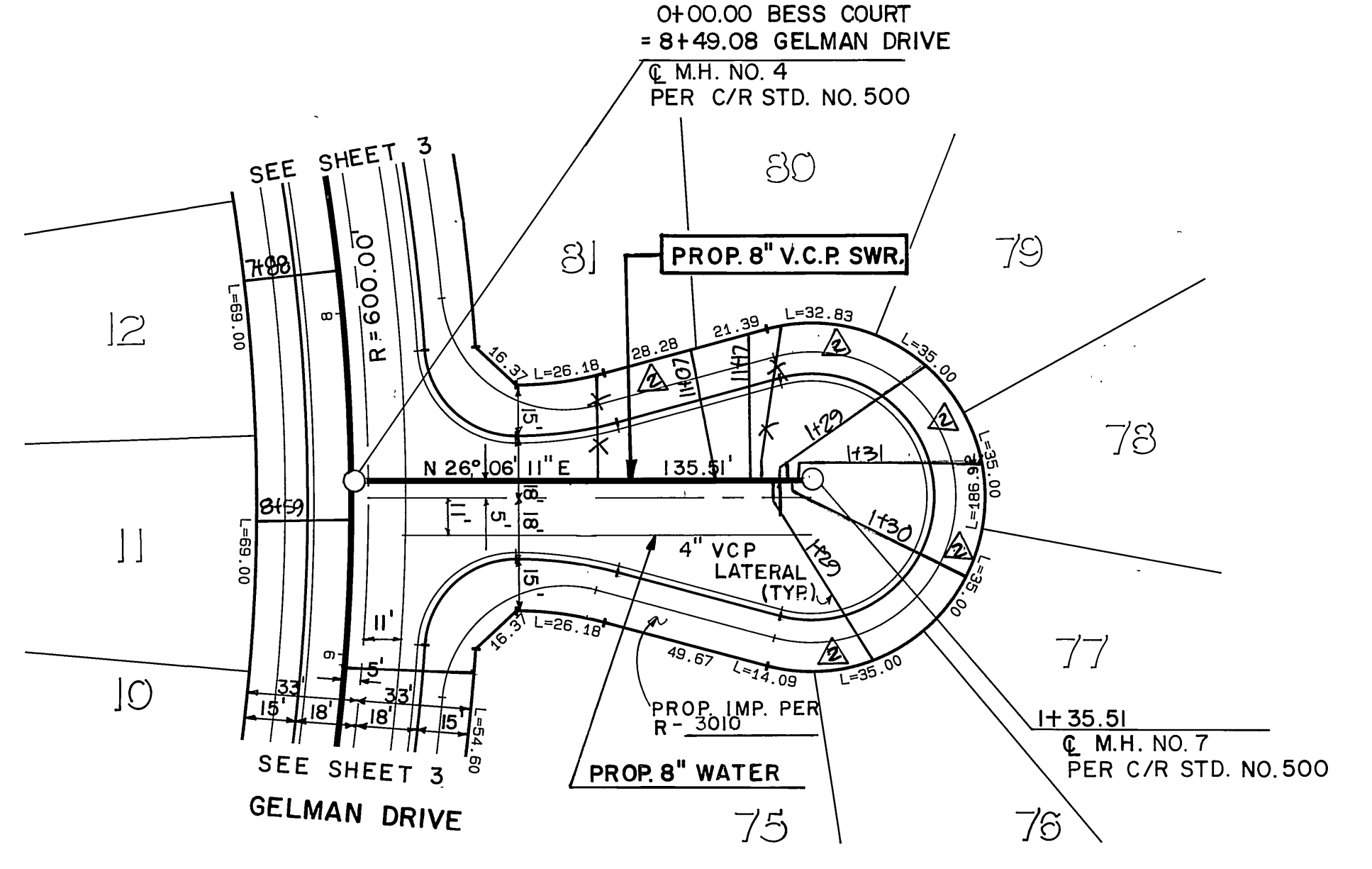
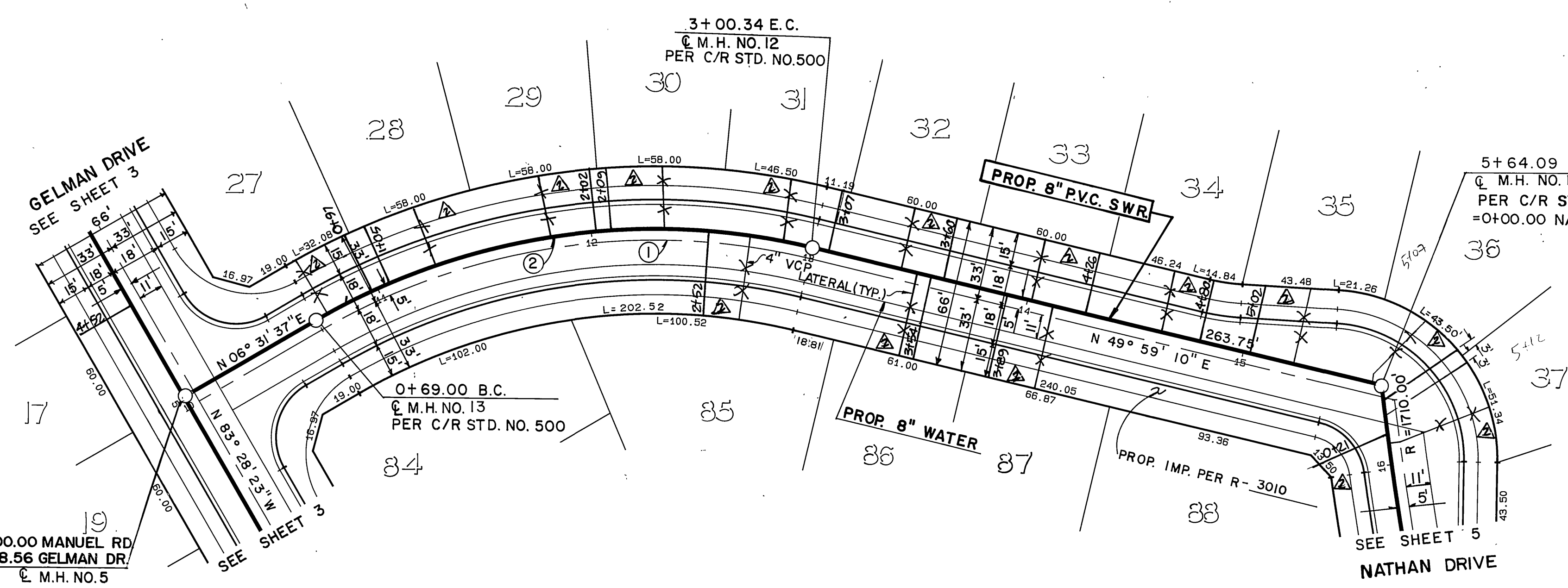


PROFILE SCALES
 HORIZ. 1" = 40' VERT. 1" = 4'

CURVE DATA				
NO.	Δ	R	L	T
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②	43° 27' 33"	305.00'	231.34'	121.56'

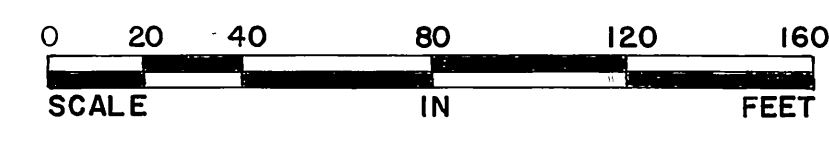
SCALE: 1" = 40'

SCALE: 1" = 40'

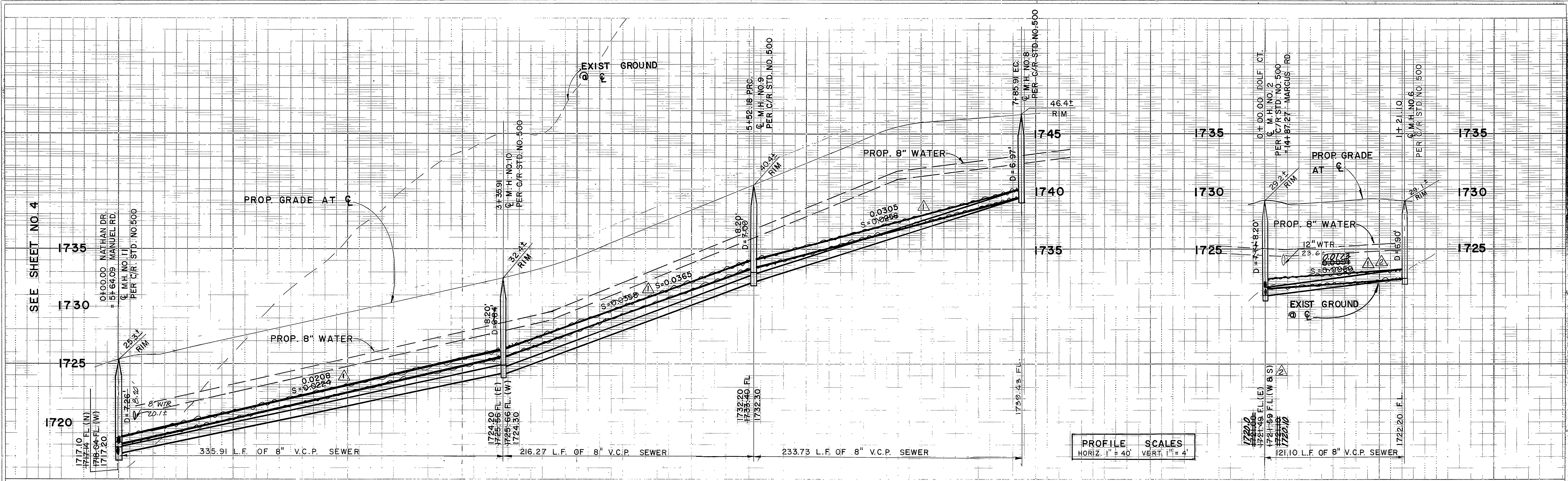


MANUEL ROAD

BESS COURT

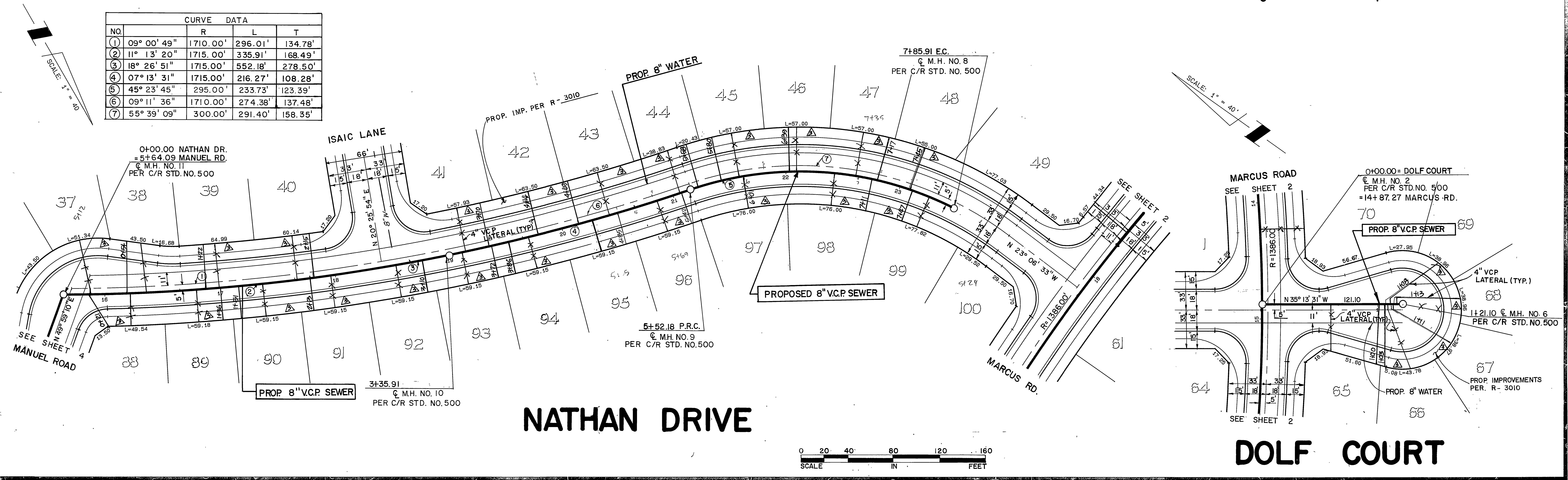


Underground Service Alert Call: TOLL FREE 1-800-422-4133 TWO WORKING DAYS BEFORE YOU DIG	PRIVATE ENGINEERING NOTE CONSTRUCTION CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, CONSTRUCTION CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB 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: <i>J.F. Davidson</i> REGISTERED CIVIL ENGINEER NO. 17550 EXPIRATION DATE: 6-30-89 DATE: 6/2/88 APPROVED BY:	 J.F. Davidson Associates, Inc. ENGINEERING PLANNING SURVEYING ARCHITECTURE LANDSCAPE ARCHITECTURE 3880 Lemon Street, Suite 300 P.O. Box 493 Riverside, CA 92502 (714) 686-0844 FAX 714-686-5854 11200 S. Mt. Vernon Ave., Suite "D" Colton, CA 92324 (714) 825-1082 73-090 El Paseo, Suite 106 Palm Desert, CA 92260 (818) 346-6591 FAX 818-346-0529	CITY OF RIVERSIDE, CALIFORNIA DEPARTMENT OF PUBLIC WORKS APPROVED BY: <i>Barry Bell</i> DIRECTOR OF PUBLIC WORKS DATE: 12/30/88	TRACT 22275-3 SEWER PLAN & PROFILE MANUEL ROAD BESS COURT FOR: S.I.C.	PROJECT NO S-1524 SHEET 4 OF 5 FILE NO.: 8710243 (M)



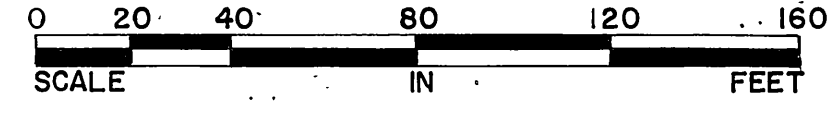
PROFILE SCALES
HORIZ. 1" = 40' VERT. 1" = 4'

NO.	R	L	T
1	09° 00' 49"	1710.00'	296.01'
2	11° 13' 20"	1715.00'	335.91'
3	18° 26' 51"	1715.00'	552.18'
4	07° 13' 31"	1715.00'	216.27'
5	45° 23' 45"	295.00'	233.73'
6	09° 11' 36"	1710.00'	274.38'
7	55° 39' 09"	300.00'	291.40'



NATHAN DRIVE

DOLF COURT



Underground Service Alert
Call: TOLL FREE
1-800-422-4133
TWO WORKING DAYS BEFORE YOU DIG

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 TO 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.

JOHN W. CANTY
No. 17550
Exp. 6/30/89
CIVIL
STATE OF CALIFORNIA

PREPARED UNDER THE DIRECTION OF:
John W. Canty
REGISTERED CIVIL ENGINEER NO. 17550
EXPIRATION DATE: 6-30-89 DATE: 6/2/88

APPROVED BY:

J.F. Davidson Associates, Inc.
ENGINEERING PLANNING SURVEYING ARCHITECTURE, LANDSCAPE ARCHITECTURE
3880 Lemon Street, Suite 300 P.O. Box 483 Riverside, CA 92502
11200 S. Mt. Vernon Ave., Suite "D" Colton, CA 92324
73-080 El Paseo, Suite 106 Palm Desert, CA 92260
(714) 859-0844 FAX 714-856-9554

SCALE: AS SHOWN BENCH MARK: V.B. 10-84 ELEV. 1700.670 DATE: 1971
BRASS DISK FLUSH & MARKED V.S. 10-84, 0.8 MI. E. ON VAN BUREN BLVD. FROM CL. INT. OF VAN BUREN & WOOD RD. 205' OF VAN BUREN S. THE N. SIDE OF GRANITE BOULDERS, ON TOP OF 3' X 4' X 4.5' BOULDER

DESIGNED BY L.W.S. DRAWN BY C.H. CHECKED BY J.A.O.

AS BUILT SEWER LATERALS
CORRECTED IN AT MH #2 ON DOLF COURT
REVISE SEWER LINE & ADD 8" WATER LINE

REVISIONS: [] APPR. DATE

DESIGNED BY L.W.S. DRAWN BY C.H. CHECKED BY J.A.O.

CITY OF RIVERSIDE, CALIFORNIA
DEPARTMENT OF PUBLIC WORKS

APPROVED BY: [Signature] BY: [] DATE: []
PRINCIPAL ENGINEER
PARK DEPARTMENT

APPROVED BY: [Signature] BY: [] DATE: 12/30/88
DIRECTOR OF PUBLIC WORKS

TRAFFIC DIVISION: [] CHIEF P.W. ENGR. []

TRACT 22275-3
SEWER PLAN & PROFILE
NATHAN DRIVE
DOLF COURT
FOR: S.I.C.

PROJECT NO. **S-1524**
SHEET **5** OF **5**
FILE NO.: 8710243 (M)
INDEXED 1-31-89