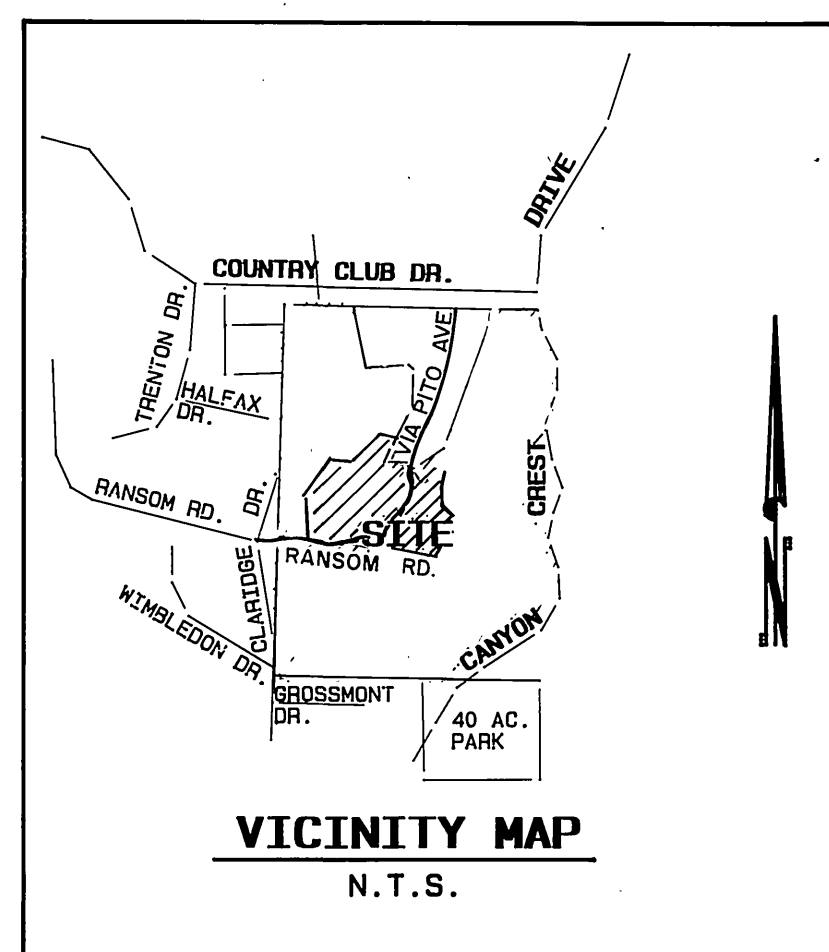


# SEWER IMPROVEMENT PLANS

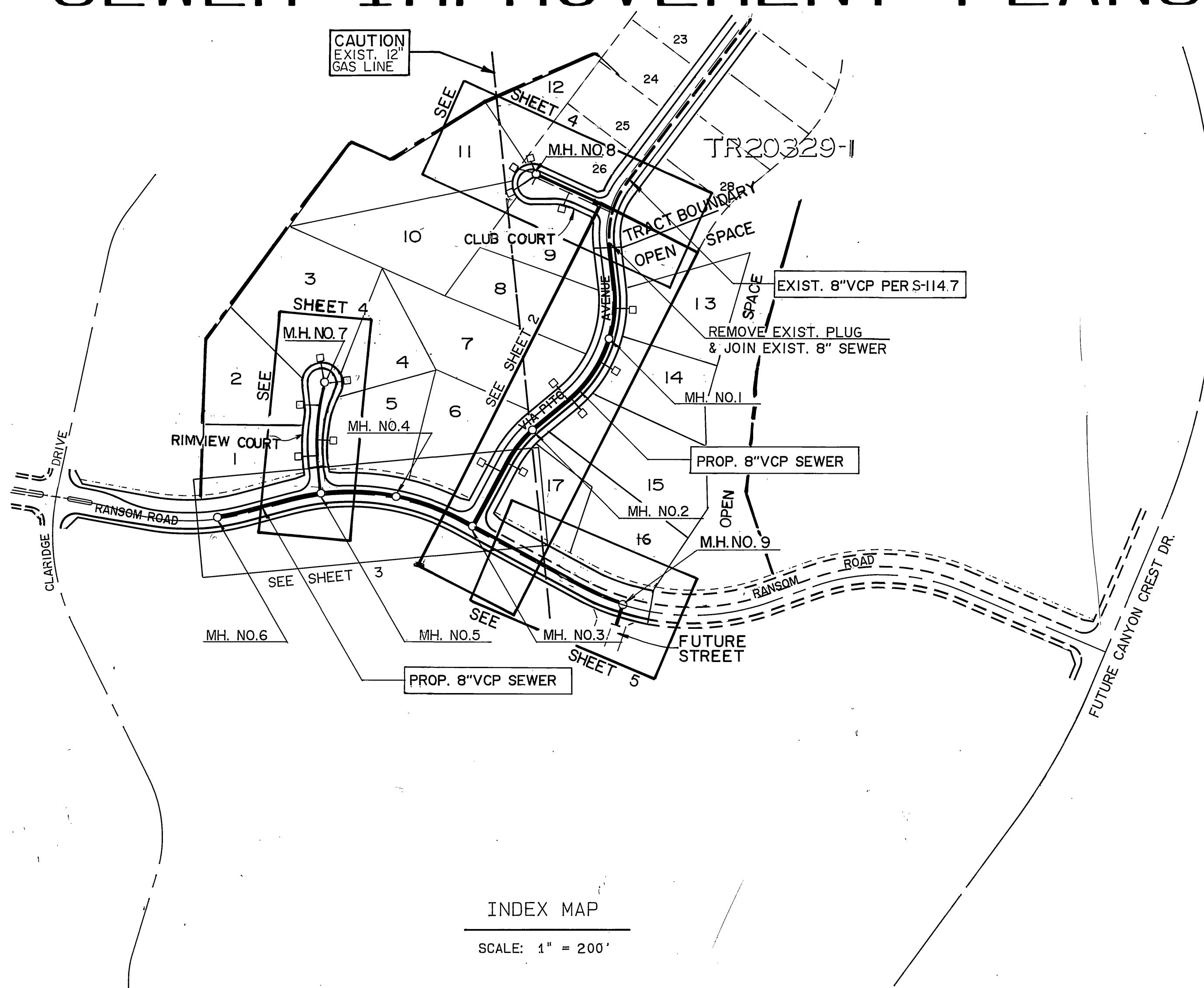
## GENERAL NOTES

- 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 Standard # 500
- All flagged elevations shall be staked in the field by the 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.



## CONSTRUCTION NOTES

- Construct Manholes per City of Riv. Std. No. 500
- Construct 8" V.C.P.
- Install temporary 8" Plug.
- Construct sewer laterals per City of Riverside Std. No. 562.

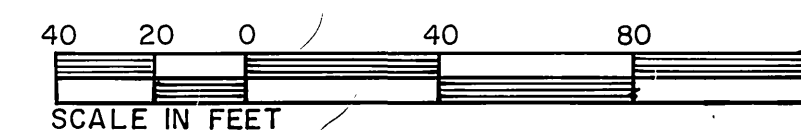


## LEGEND

- EXISTING 8" VCP SEWER
- PROPOSED 8" VCP SEWER
- PROPOSED MANHOLE

CITY OF RIVERSIDE  
WATER SYSTEM

Richard D. Deibel 8-2-91  
APPROVED DATE



### 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:  
REGISTERED CIVIL ENGINEER NO. 48212  
EXPIRATION DATE: 12/31/94 DATE: 2/8/91



CITY BUSINESS TAX CERTIFICATE NO. 4994  
EXP. DATE: 12-31-91  
ENGINEERING PLANNING SURVEYING ARCHITECTURE LANDSCAPE ARCHITECTURE  
3880 Lemon Street, Suite 300 P.O. Box 493 Riverside, CA 92502 (714) 686-0944 FAX 714-686-9954  
11200 S. Mt. Vernon Ave., Suite "D" Colton, CA 92324 (919) 245-6901 FAX 619-340-0529

SCALE: AS SHOWN  
DATE: NOVEMBER, 1990

BENCH MARK: P.K. NAIL & TAG IN BASE OF LIGHT STANDARD IN MEDIAN STRIP OF COUNTRY CLUB DRIVE 60' WEST OF 4' CANYON CREST DRIVE. ELEV. = 1068.06

MARK	REVISIONS	APPR.	DATE
	T.C.L.	POOL	J.D.S.

### CITY OF RIVERSIDE, CALIFORNIA DEPARTMENT OF PUBLIC WORKS

APPROVED BY	BY	DATE
PRINCIPAL ENGINEER	[Signature]	8/10/91
PARK DEPARTMENT		
TRAFFIC DIVISION		
CHIEF P.W. ENGR.	[Signature]	8/10/91

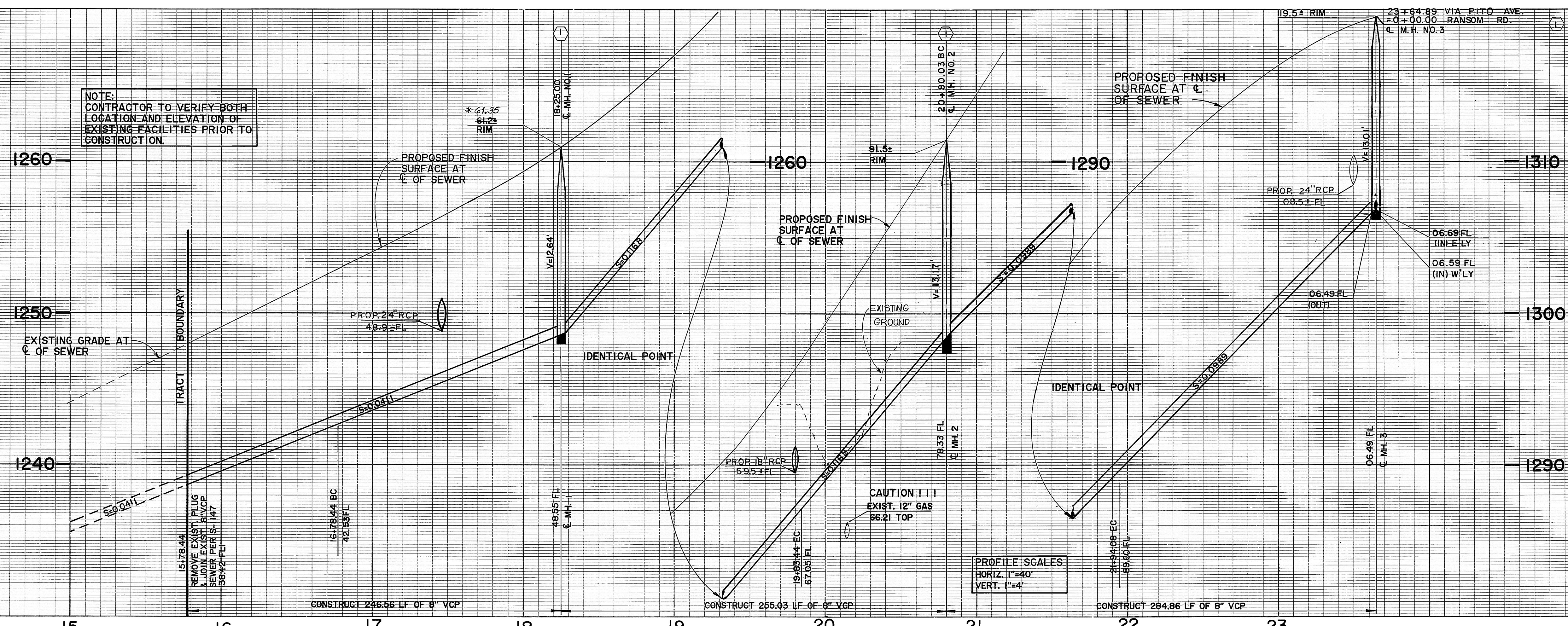
TR. 25486-1  
SEWER IMPROVEMENT PLANS  
TITLE SHEET

EOR: CHRISTIAN BERGUM & ASSOCIATES

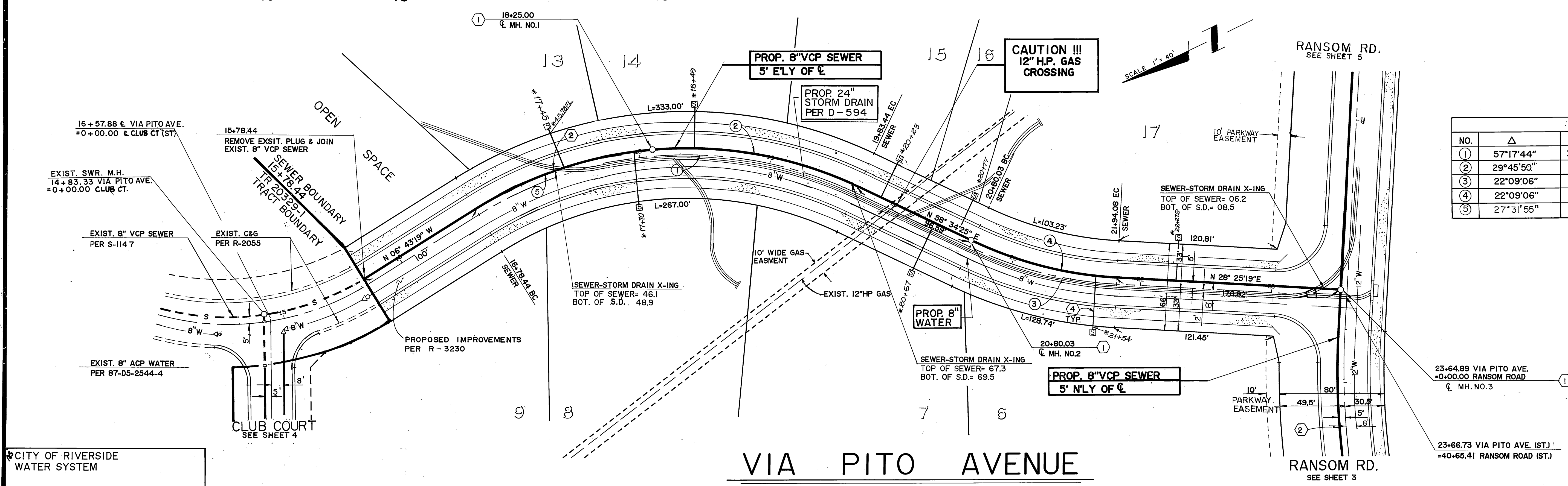
PROJECT NO. 8911565  
S-1619  
SHEET 1 OF 5  
FILE NO. 8911565

INDEXED 8-22-91 44

NOTE:  
CONTRACTOR TO VERIFY BOTH  
LOCATION AND ELEVATION OF  
EXISTING FACILITIES PRIOR TO  
CONSTRUCTION.



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



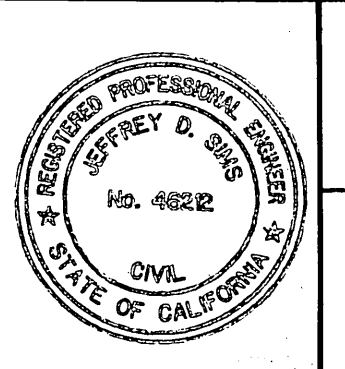
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②	29°45'50"	305.00'	158.44'	81.05'	SEWER
③	22°09'06"	300.00'	115.99'	58.73'	STREET
④	22°09'06"	295.00'	114.05'	57.75'	SEWER
⑤	27°31'55"	305.00'	146.56'	74.72'	SEWER

CITY OF RIVERSIDE  
WATER SYSTEM

Approved BY: *Richard L. Duda*  
DATE: 8-2-91

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

**PRIVATE ENGINEERING NOTE**  
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PREPARED UNDER THE DIRECTION OF:  
REGISTERED PROFESSIONAL ENGINEER NO. 48212  
EXPIRATION DATE: 12/31/94 DATE: 2/9/91

**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 714-686-5954  
11200 S. Mt. Vernon Ave., Suite "D" Colton, CA 92324 (714) 825-1082  
73080 El Paseo, Suite 106 Palm Desert, CA 92260 (619) 346-5991 FAX 619-340-0529

SCALE: 1"=40'  
DATE: NOVEMBER, 1990

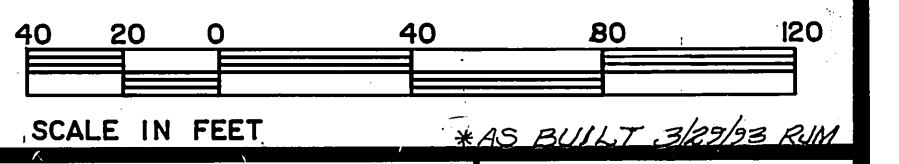
BENCH MARK:  
P.K. NAIL @ TAG IN BASE OF LIGHT STANDARD IN MEDIAN STRIP OF COUNTRY CLUB DRIVE 60' WEST OF 4 CANYON CHEST DRIVE. ELEV. = 1068.06

MARK REVISIONS APPR. DATE  
DESIGNED BY T.C.L. DRAWN BY POOL CHECKED BY J.D.S.  
DATE: NOVEMBER, 1990

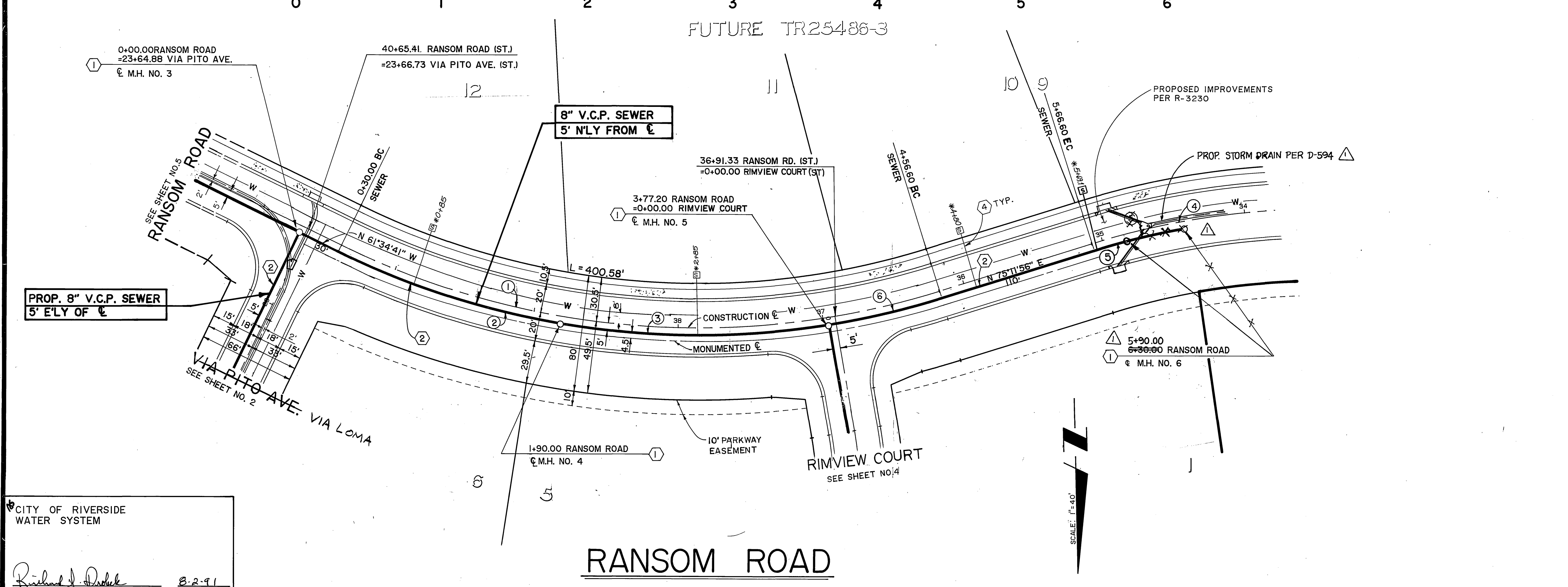
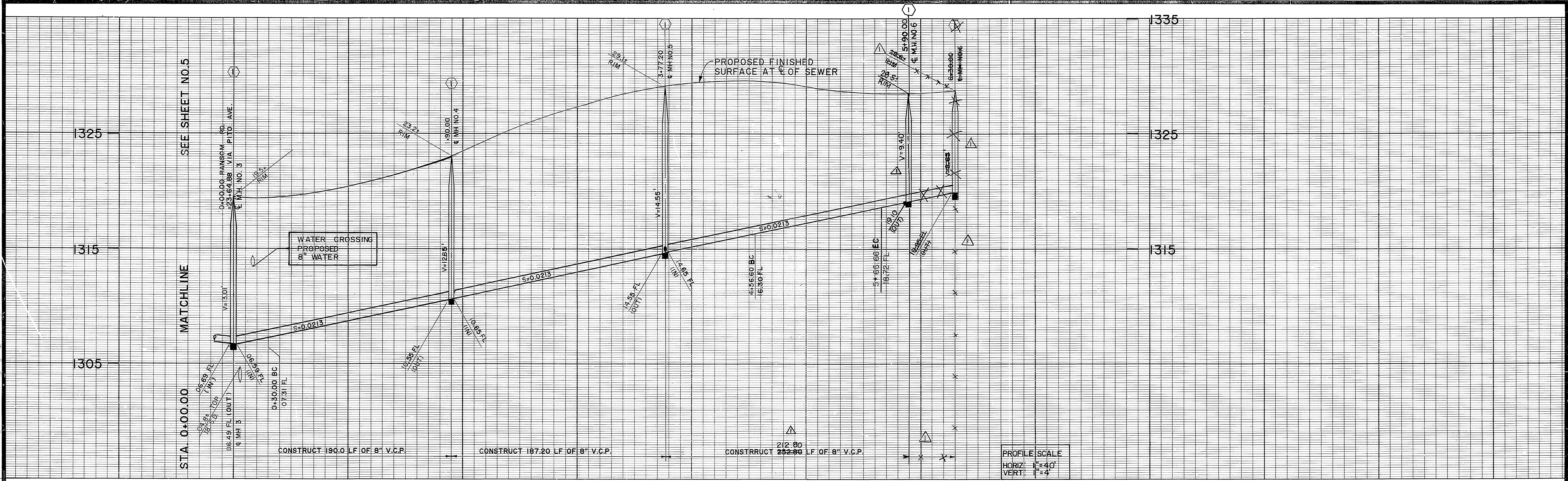
CITY OF RIVERSIDE, CALIFORNIA  
DEPARTMENT OF PUBLIC WORKS  
APPROVED BY: *[Signature]* DATE: 8/10/91  
PRINCIPAL ENGINEER  
PARK DEPARTMENT  
TRAFFIC DIVISION  
CHIEF P.W. ENGR.

TR. 25486-1  
SEWER IMPROVEMENT PLANS  
VIA PITO AVENUE  
FOR: CHRISTIAN BERGUM & ASSOCIATES

PROJECT NO: 8911565  
S-1619  
SHEET 2 OF 5  
FILE NO: 8911565



INDEXED 8-22-91 Lft



CURVE DATA					
NO.	ANGLE	R	L	T	LINE
①	43°13'23"	560.50'	422.83'	222.05'	STREET
②	16°12'40"	565.50'	160.00'	80.54'	SEWER
③	18°58'01"	565.50'	187.20'	94.46'	SEWER
④	06°51'37"	534.50'	63.99'	32.04'	STREET
⑤	02°31'55"	529.50'	23.40'	11.70'	SEWER
⑥	08°02'44"	565.50'	79.41'	39.77'	SEWER

CITY OF RIVERSIDE  
WATER SYSTEM

APPROVED BY: *Richard D. Deibel* B-2-91  
DATE

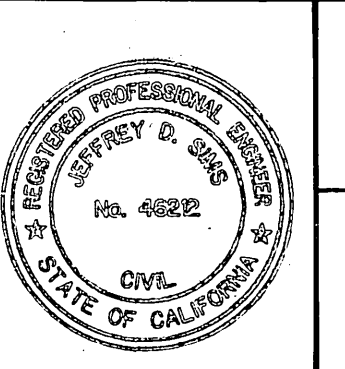
**Underground Service Alert**

Call: TOLL FREE  
1-800  
422-4133

TWO WORKING DAYS BEFORE YOU DIG

**PRIVATE ENGINEERING NOTE**

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PREPARED UNDER THE DIRECTION OF:

REGISTERED CIVIL ENGINEER NO. 46822  
EXPIRATION DATE: 12/31/94 DATE: 7/10/94

**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 714-686-5954

11200 S. Mt. Vernon Ave., Suite "D" Colton, CA 92324 (714) 825-1082

73-080 El Paseo, Suite 106 Palm Desert, CA 92260 (619) 348-5881 FAX 619-340-5529

SCALE: 1" = 40'  
DATE: NOVEMBER, 1990

BENCH MARK: P.K. NAIL & TAG IN BASE OF LIGHT STANDARD IN MEDIAN STRIP OF COUNTRY CLUB DRIVE 60' WEST OF CANYON CREST DRIVE. ELEV. = 1069.06

DESIGNED BY: T.C.L. DRAWN BY: POOL CHECKED BY: J.D.S.

REVISIONS: REVISED SEWER MANHOLE #6 LOCATION

APPR. DATE: 11/14/90

CITY OF RIVERSIDE, CALIFORNIA  
DEPARTMENT OF PUBLIC WORKS

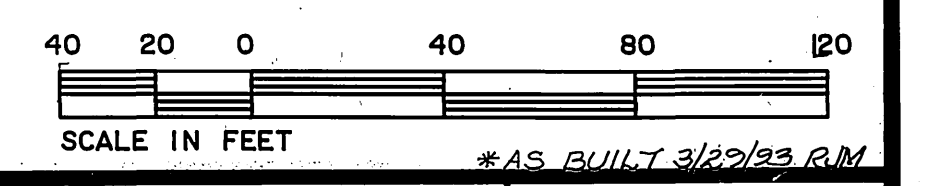
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PRINCIPAL ENGINEER

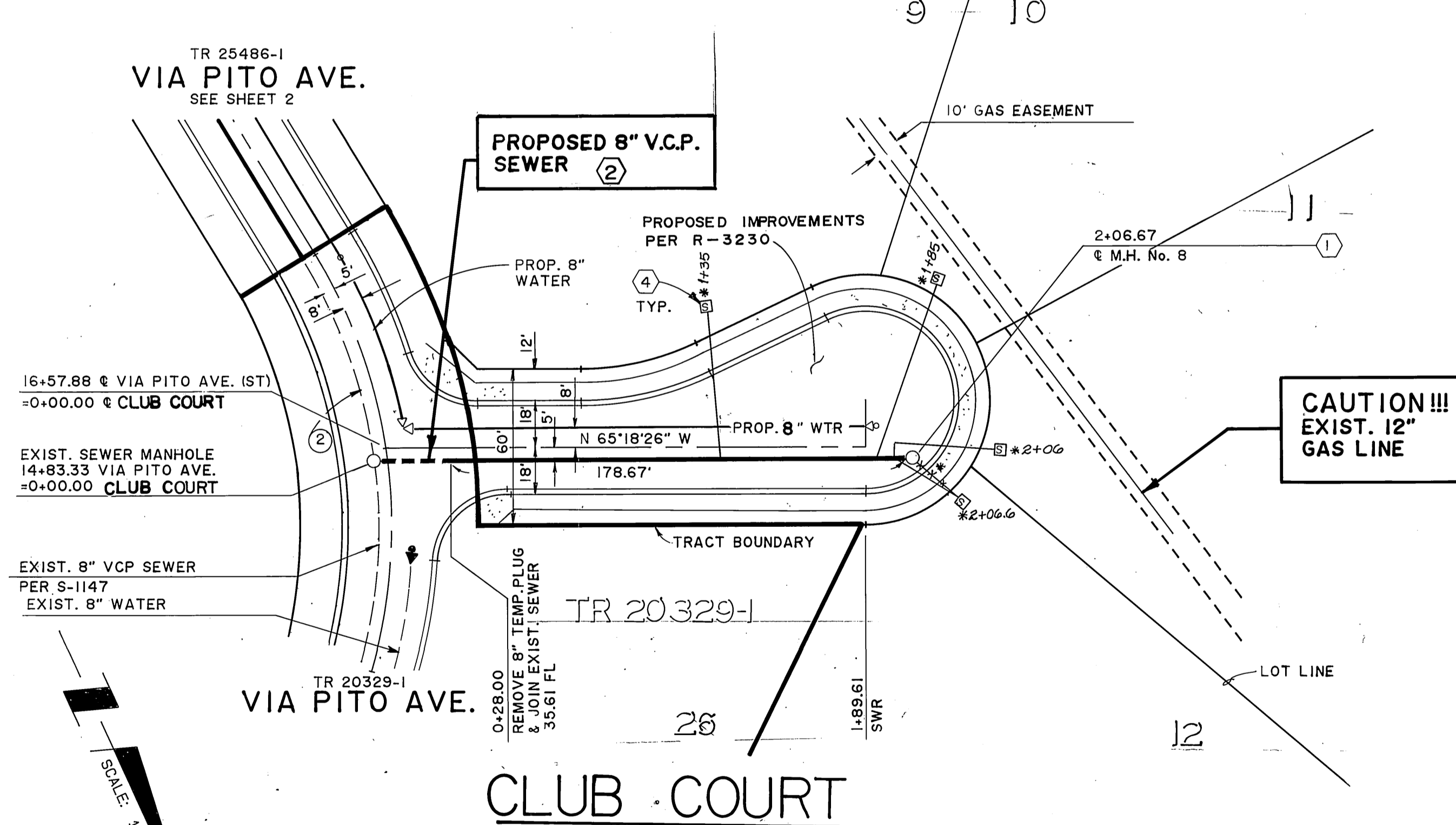
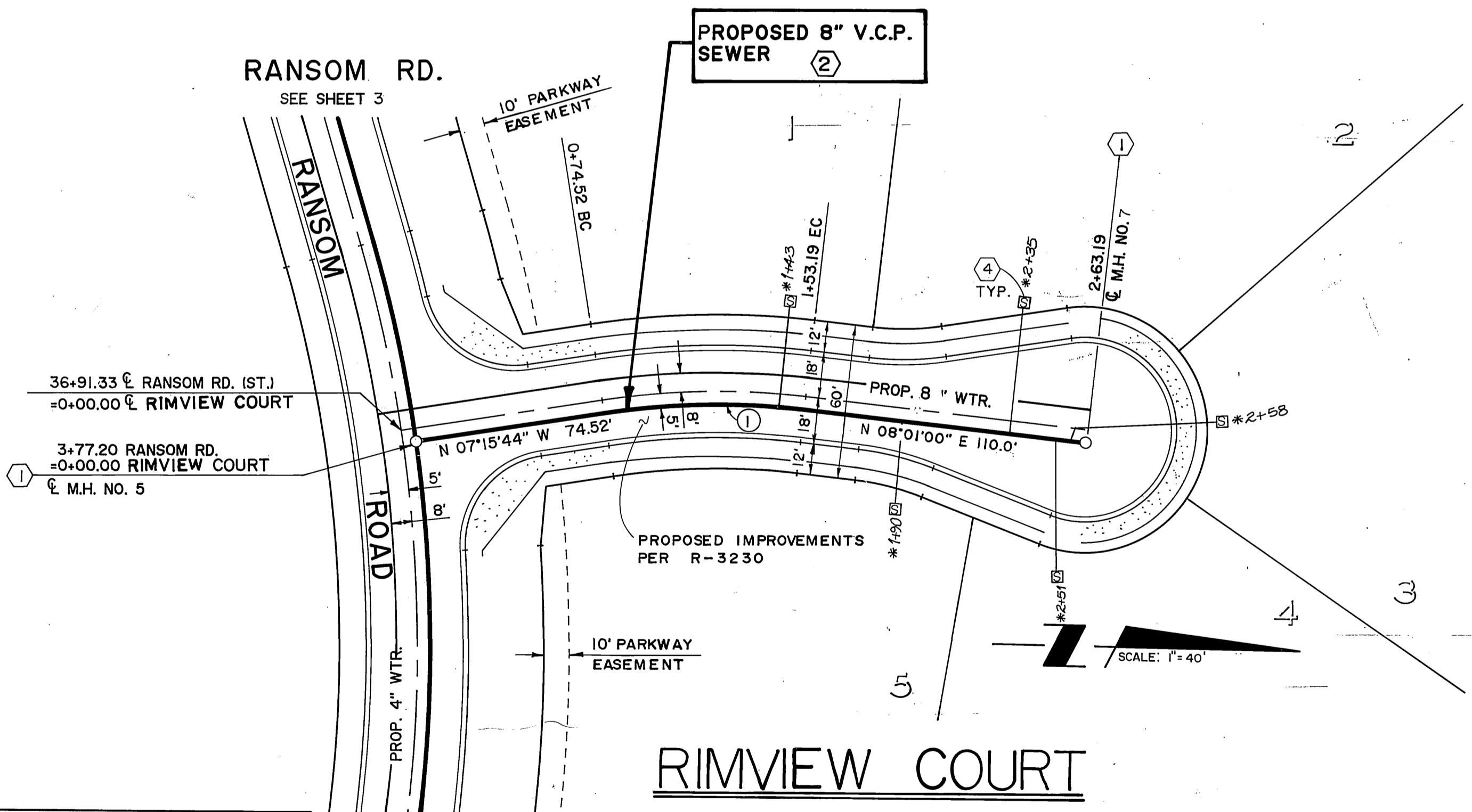
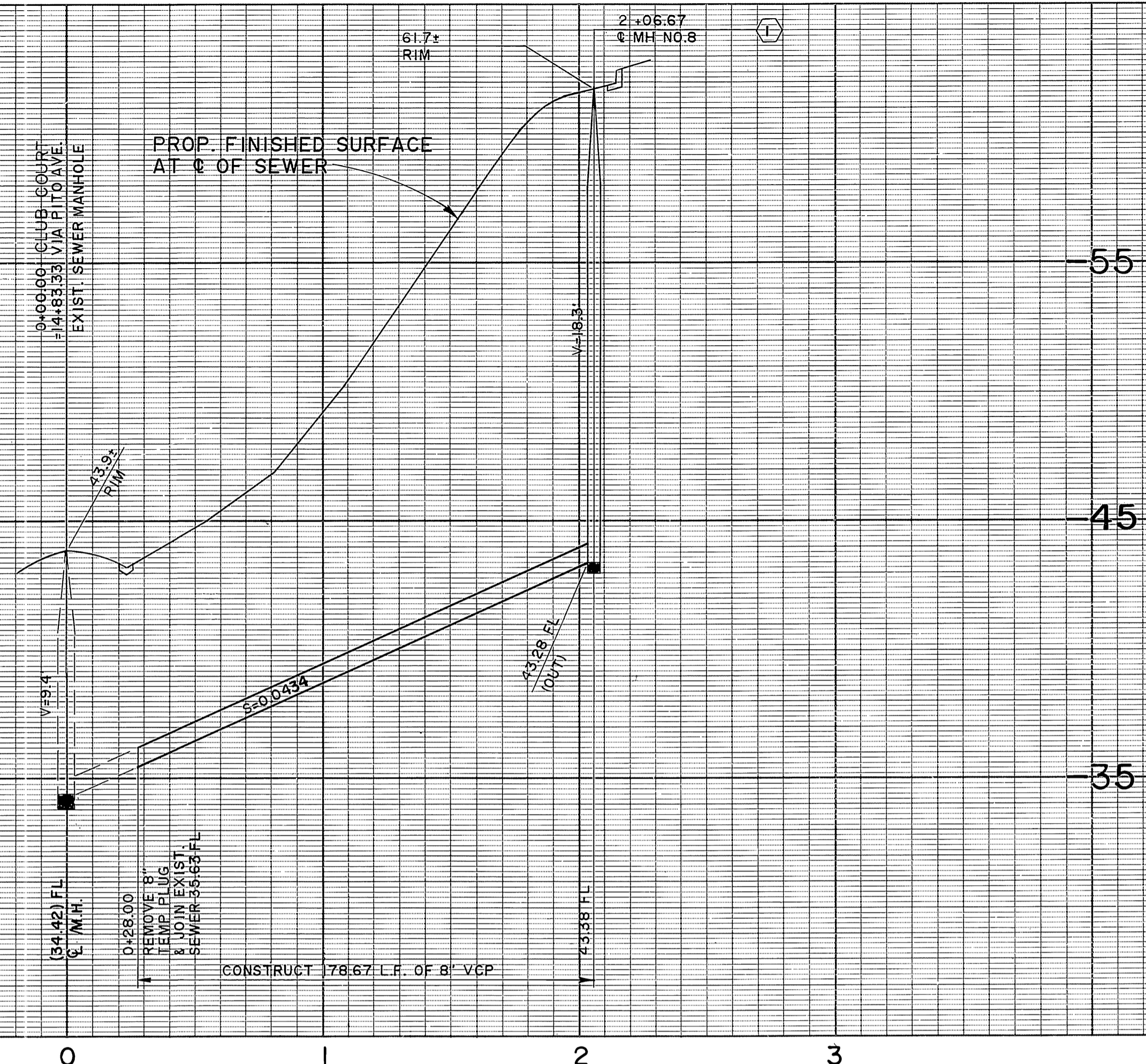
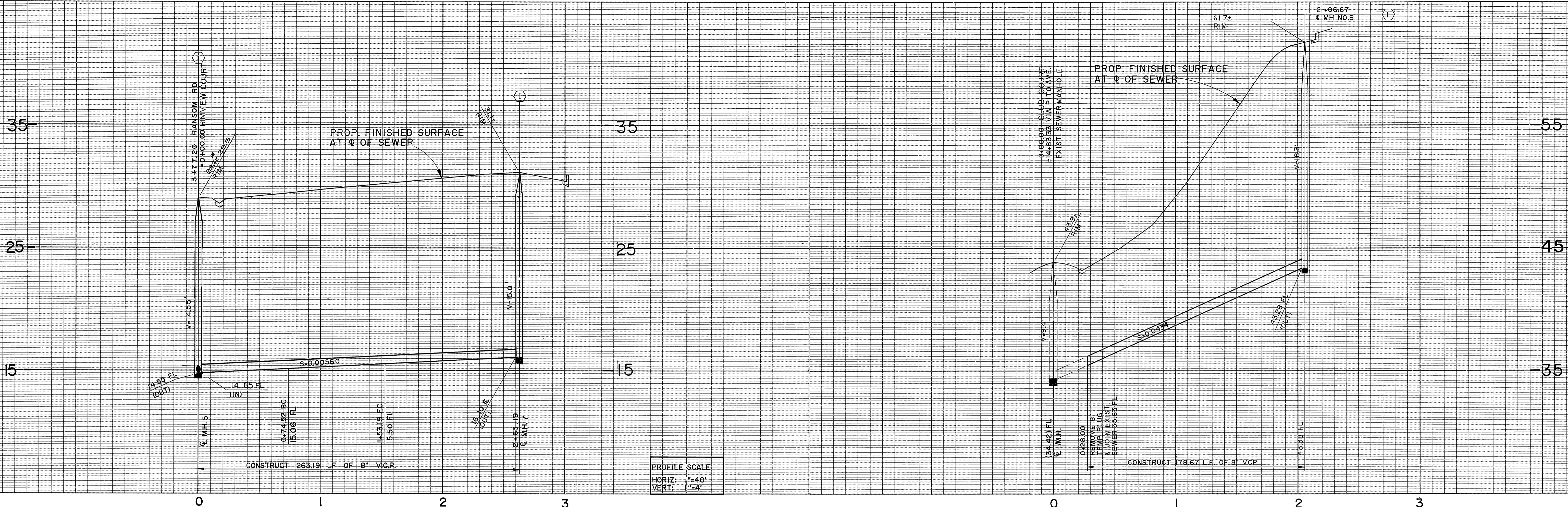
APPROVED BY: [Signature] DATE: 8/10/91  
DIRECTOR OF PUBLIC WORKS

CHIEF P.W. ENGR. [Signature]

TR. 25486-1  
SEWER IMPROVEMENT PLANS  
**RANSOM ROAD**

PROJECT NO. 8911565  
S-1619  
SHEET 3 OF 5  
FOR: CHRISTIAN BERGUM & ASSOCIATES  
FILE NO.: 8911565





CURVE DATA				
NO.	ANGLE	R	L	T
1	15°16'44"	295.0'	78.67'	39.57'
2	24°02'56"	195.0'	81.85'	41.54'

CITY OF RIVERSIDE  
WATER SYSTEM

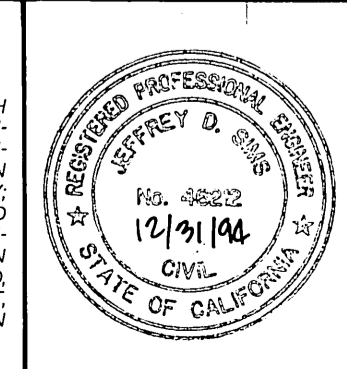
APPROVED BY: *Richard J. Doherty*  
DATE: 8-2-91

RANSOM RD.  
SEE SHEET 3-1



PRIVATE ENGINEERING NOTE

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PREPARED UNDER THE DIRECTION OF:  
*Richard J. Doherty*  
REGISTERED CIVIL ENGINEER NO. 46212  
EXPIRATION DATE: 12/31/94 DATE: 5/23/91

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

3880 Lemon Street, Suite 300 P.O. Box 483 Riverside, CA 92506 (714) 686-9344 FAX 714-686-6954

11200 S. Mt. Vernon Ave., Suite "D" Cotton, CA 92324 (714) 825-1082

73-080 El Paseo, Suite 106 Palm Desert, CA 92260 (919) 346-5891 FAX 919-349-0229

SCALE: 1"=40'  
DATE: DEC. 1990

BENCH MARK: P.K. NAIL & TAG IN BASE OF LIGHT STANDARD IN MEDIAN STRIP OF COUNTRY CLUB DRIVE 60' WEST OF CLUB COURT DRIVE. ELEV. = 1068.06

MARK	REVISIONS	APPR	DATE

DESIGNED BY: T.C.L. DRAWN BY: POOL CHECKED BY: J.D.S.

CITY OF RIVERSIDE, CALIFORNIA  
DEPARTMENT OF PUBLIC WORKS

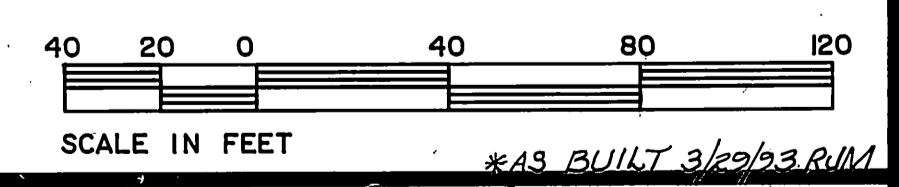
APPROVED BY: *[Signature]* BY: *[Signature]* DATE: 8/6/91

PARK DEPARTMENT  
TRAFFIC DIVISION  
CHIEF P.W. ENGR. *[Signature]*

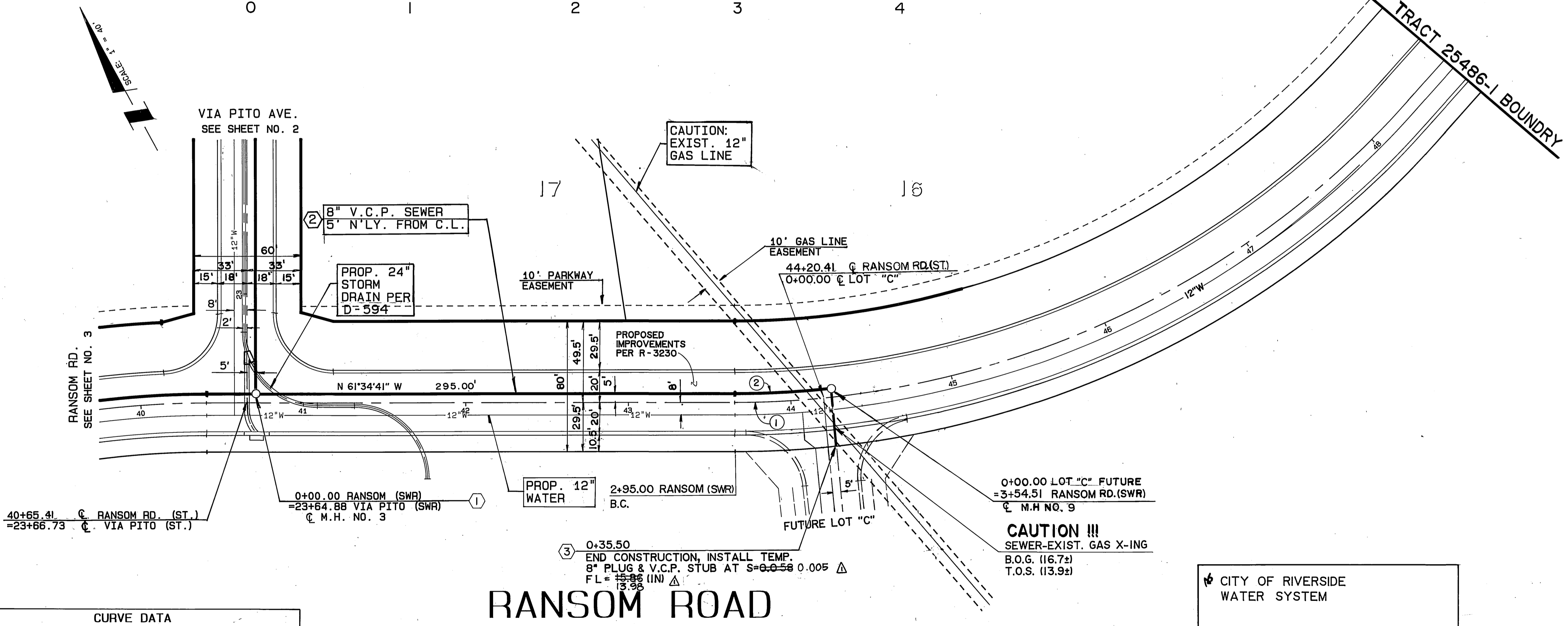
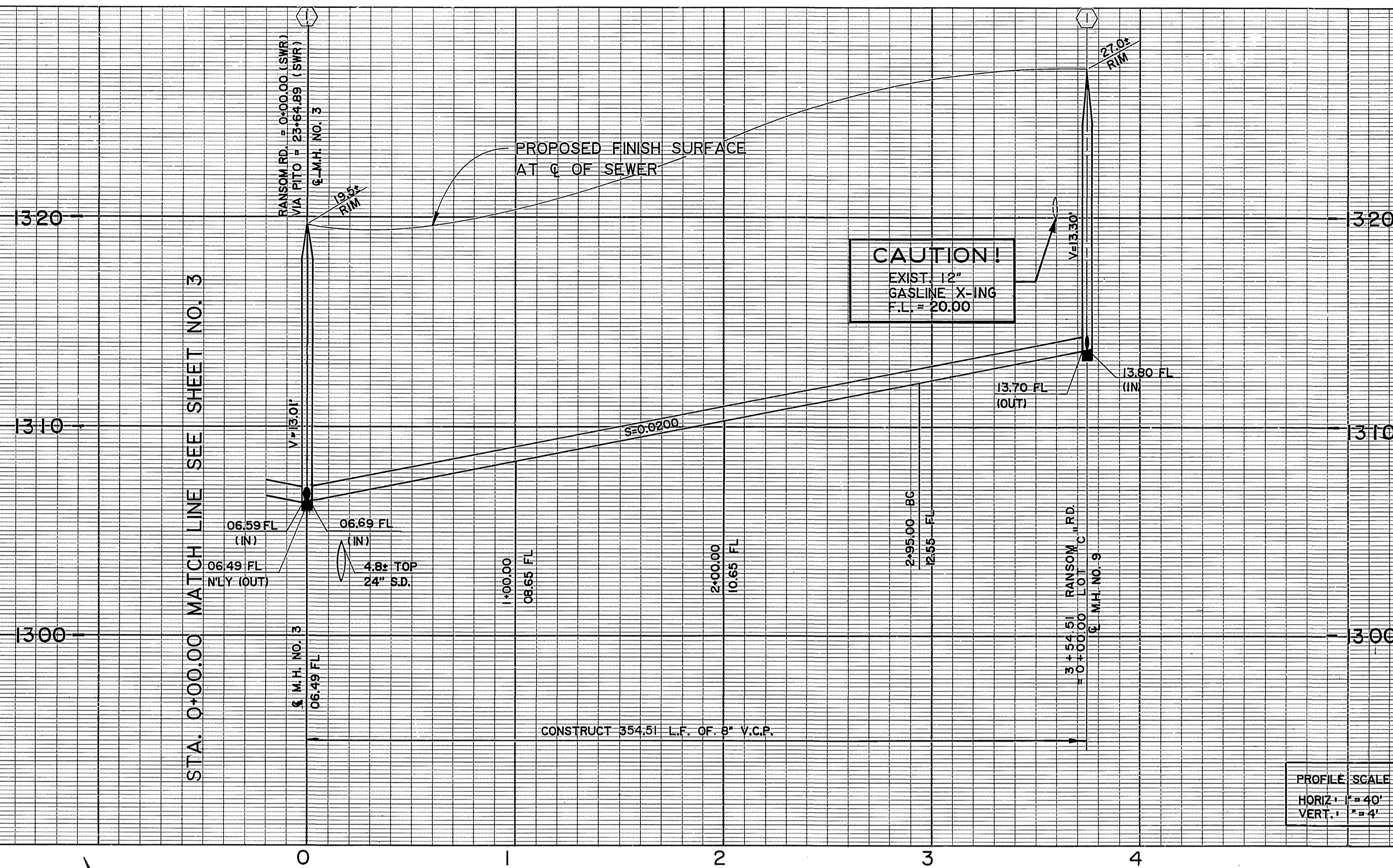
APPROVED BY: *[Signature]* DATE: 8/10/91

TR. 25486-1  
SEWER IMPROVEMENT PLANS  
RIMVIEW COURT  
CLUB COURT

PROJECT NO: 8911565  
S-1619  
SHEET 4 OF 5  
FOR: CHRISTIAN BERGUM & ASSOCIATES  
FILE NO.: 8911565



INDEXED 8-22-91

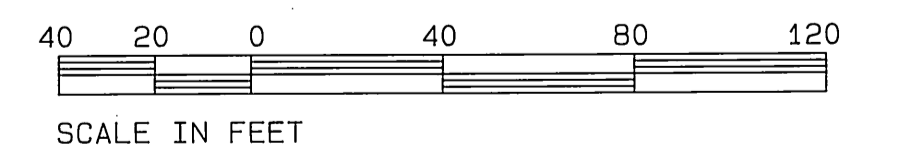


CURVE DATA			
No.	Δ	R	T
①	05°37'56"	559.50'	27.52'
②	06°08'57"	554.50'	29.78'

# RANSOM ROAD

CITY OF RIVERSIDE  
WATER SYSTEM

Richard J. Dardick  
APPROVED BY: \_\_\_\_\_ DATE: 8-2-91



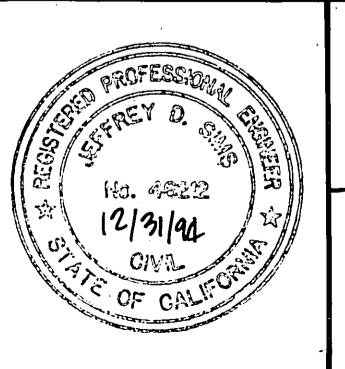
**Underground Service Alert**

Call: TOLL FREE  
**1-800-422-4133**

TWO WORKING DAYS BEFORE YOU DIG

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PREPARED UNDER THE DIRECTION OF:

REG. CIVIL ENGINEER NO. 45212  
EXPIRATION DATE: 12/31/90 DATE: 5/23/91

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

3880 Lemon Street, Suite 300 P.O. Box 493 Riverside, CA 92502 (714) 686-5944 FAX 714-686-5954

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73-080 El Paseo, Suite 106 Palm Desert, CA 92260 (619) 348-5661 FAX 619-340-0529

SCALE: AS SHOWN  
DATE: NOVEMBER 1991

BENCH MARK: P.K. NAIL & TAG IN BASE OF LIGHT STANDARD IN MEDIAN STRIP OF COUNTRY CLUB DRIVE 60' WEST OF C.L. CANYON CREST DRIVE. ELEV. 1068.06

MARK	REVISIONS	APPR.	DATE
Δ	REVISED GRADE & ELEVATION		

DESIGNED BY: T.C.L. DRAWN BY: POOL CHECKED BY: J.D.S. DATE: \_\_\_\_\_

CITY OF RIVERSIDE, CALIFORNIA  
DEPARTMENT OF PUBLIC WORKS

APPROVED BY: \_\_\_\_\_ BY: \_\_\_\_\_ DATE: 8/6/91

PRINCIPAL ENGINEER: \_\_\_\_\_

PARK DEPARTMENT: \_\_\_\_\_

TRAFFIC DIVISION: \_\_\_\_\_

CHIEF P.W. ENGR. DATE: 8/16/91

TR. 25486-1  
SEWER IMPROVEMENT PLANS  
RANSOM ROAD

PROJECT NO. 8911565  
S-1619  
SHEET 5 OF 5

FOR: CHRISTIAN BERGMAN & ASSOCIATES  
FILE NO.: 8911565