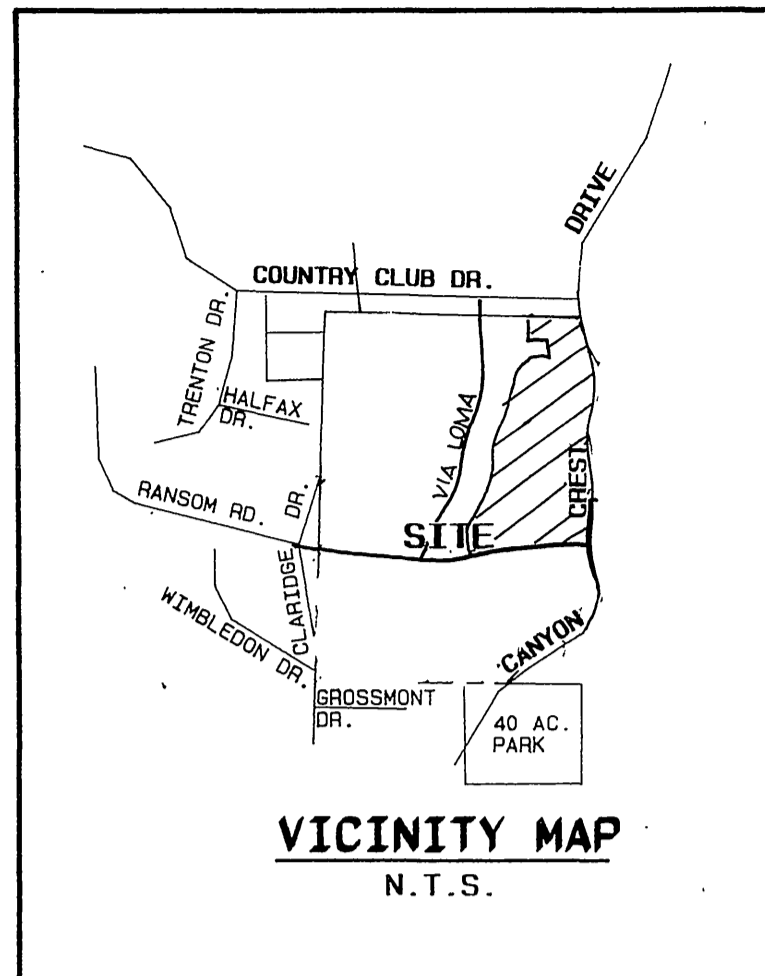


# SEWER IMPROVEMENT PLANS



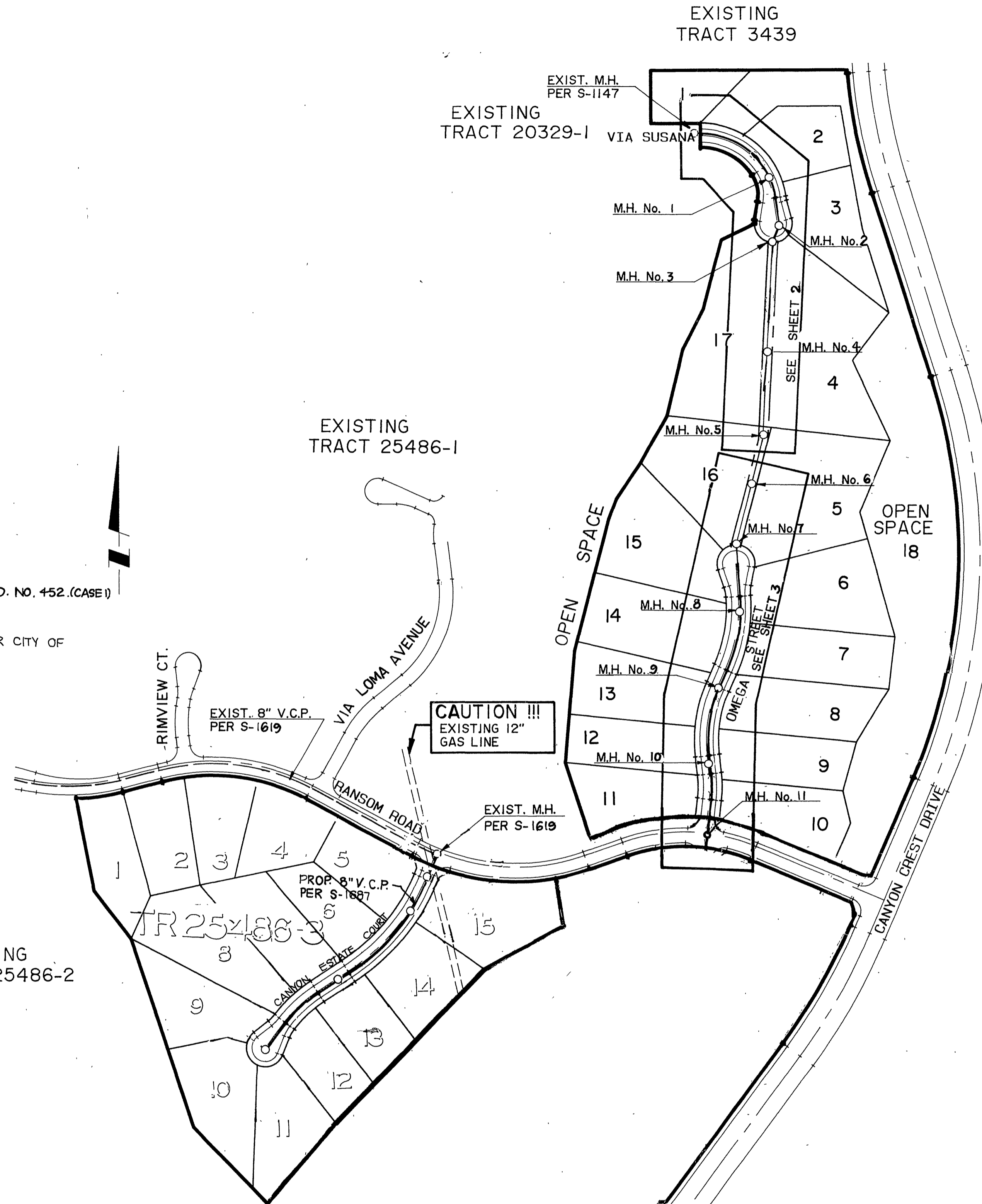
### CONSTRUCTION NOTES

- 1 CONSTRUCT MANHOLE PER CITY OF RIV. STD. NO. 500.
- 2 CONSTRUCT 8" V.C.P. WITH PIPE BEDDING PER CITY OF RIV. STD. NO. 452.(CASE I)
- 3 REMOVE EXIST. 8" PLUG.
- 4 CONSTRUCT SEWER LATERAL WITH PROPERTY LINE CLEANOUT PER CITY OF RIVERSIDE STD. NO. 562A.

### LEGEND

- EXISTING 8" V.C.P. SEWER
- PROPOSED 8" V.C.P. SEWER
- PROPOSED MANHOLE

EXISTING TRACT 25486-2



INDEX MAP  
SCALE 1"=200'

### GENERAL NOTES (SEWER)

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 an 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 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, Standard Drawings, Standard Drawing No. 10 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 4' above the sewer flow line at the point of connection 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 re-establishing and referencing survey monuments destroyed, disturbed or buried as a result of construction shown hereon.
13. Notice to contractor. The existence and location of any underground utility pipes or structures shown on these plans were 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 precautionary measures to protect the utility lines shown on any other lines not of record or not shown on these plans.
14. Quantities shown are for information only and the City of Riverside is not responsible for their accuracy.
15. 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, a Street Opening Permit or an encroachment permit issued by the City's Public Works Department.

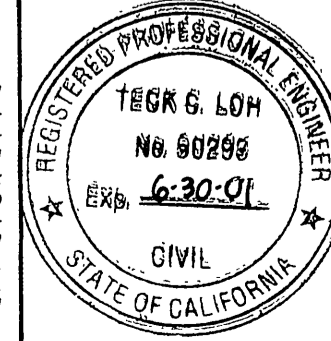
CITY OF RIVERSIDE  
WATER SYSTEM  
VOID ONE YEAR FROM THIS DATE

*Richard L. Dushik* 7/21/98  
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:

*Richard G. Loh*  
REGISTERED CIVIL ENGINEER NO. 50293  
EXPIRATION DATE: 6-30-01 DATE: 5/14/99

**CEG** CANTY ENGINEERING GROUP, INC.  
CIVIL ENGINEERING - PLANNING - SURVEYING

3120 CHICAGO AVENUE, SUITE 180, P.O. BOX 52050, RIVERSIDE, CA 92517  
TEL (909) 683 - 5234 FAX (909) 683 - 5301

CITY OF RIV. BUSINESS TAX ACCT. NO. 69372 EXP. DATE 4-8-98

SCALE: AS SHOWN BENCH MARK: G-BA 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  
DATE: JUNE 1997 DESIGNED BY: T.C.L. DRAWN BY: D.P.P. CHECKED BY: J.D.S.

CITY OF RIVERSIDE, CALIFORNIA  
DEPARTMENT OF PUBLIC WORKS

APPROVED BY: *[Signature]* BY DATE: 9-1-98  
PRINCIPAL ENGINEER  
PARK DEPARTMENT  
TRAFFIC DIVISION  
DEP. P.W. DIRECTOR

APPROVED BY: *R. M. Smith* BY DATE: 9-1-98  
DIRECTOR OF PUBLIC WORKS

TRACT 25486-4  
SEWER IMPROVEMENT PLANS

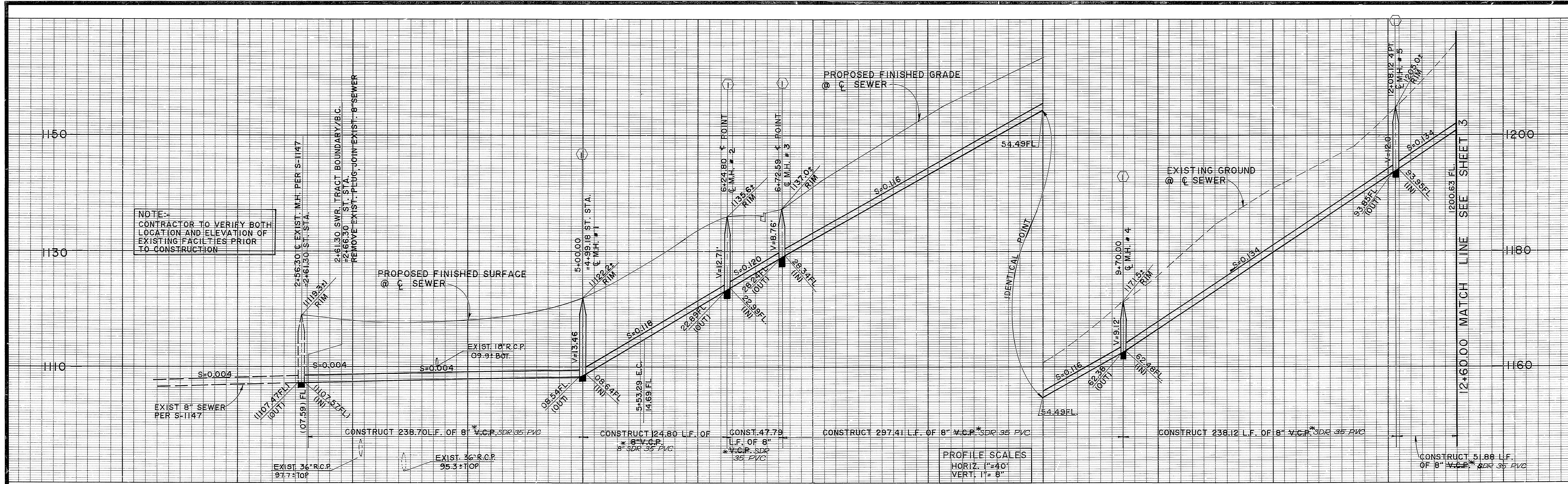
TITLE SHEET

FOR: CHRISTIAN BERGUM & ASSOCIATES

PROJECT NO. S-1688  
SHEET 1 OF 3  
FILE NO. 1033-001

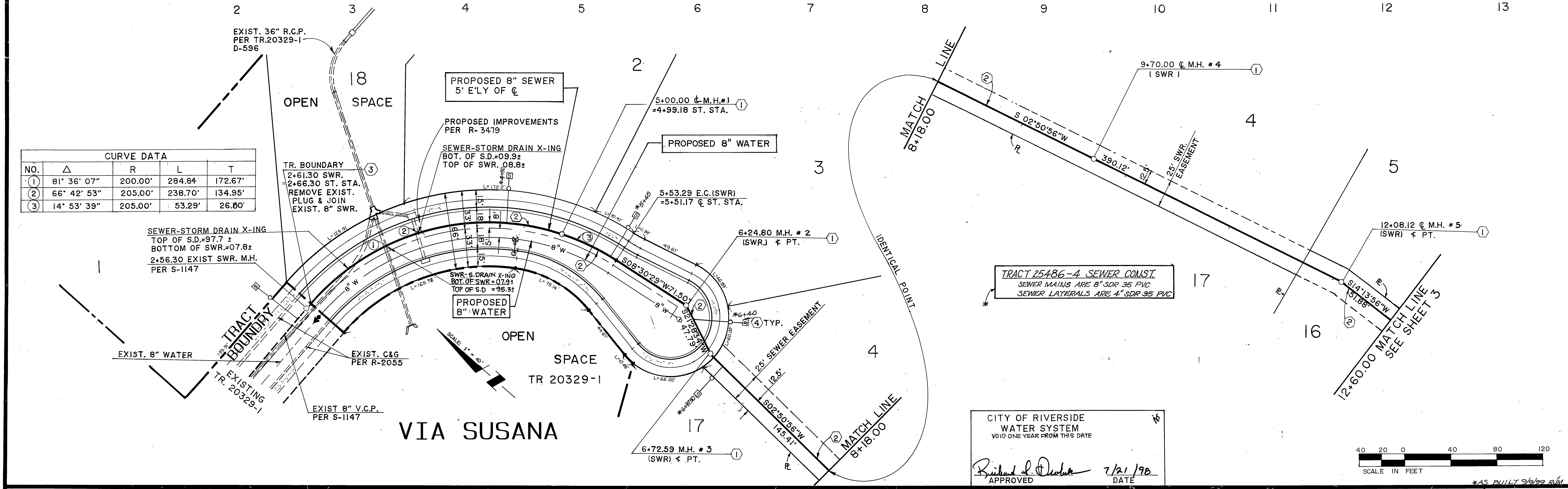
AS BUILT 9/8/99 B.M.

INDEXED 9-28-98



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

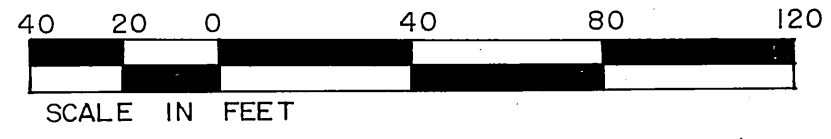
PROFILE SCALES  
HORIZ. 1"=40'  
VERT. 1"=8'



CURVE DATA			
NO.	Δ	R	T
1	81° 36' 07"	200.00'	172.67'
2	66° 42' 53"	205.00'	134.95'
3	14° 53' 39"	205.00'	26.80'

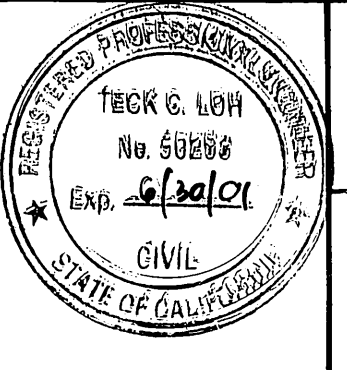
TRACT 25486-4 SEWER CONST.  
SEWER MAINS ARE 8" SDR 35 PVC  
SEWER LATERALS ARE 4" SDR 35 PVC

CITY OF RIVERSIDE  
WATER SYSTEM  
VOID ONE YEAR FROM THIS DATE  
*Richard L. Decker* 7/21/98  
APPROVED DATE



**Underground Service Alert**  
Call: TOLL FREE  
1-800-227-2600  
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:  
*Richard L. Decker*  
REGISTERED CIVIL ENGINEER NO. 50293  
EXPIRATION DATE: 6/30/01 DATE: 5/11/97

**CEC** CANTY ENGINEERING GROUP, INC.  
CIVIL ENGINEERING - PLANNING - SURVEYING  
3120 CHICAGO AVENUE, SUITE 180, P.O. BOX 52050, RIVERSIDE, CA 92517  
TEL (909) 683 - 5234 FAX (909) 683 - 5301

SCALE: 1"=40'  
DATE: JULY, 1997

MARK REVISIONS APPR. DATE  
DESIGNED BY T.C.L. DRAWN BY D.P. CHECKED BY J.D.S.

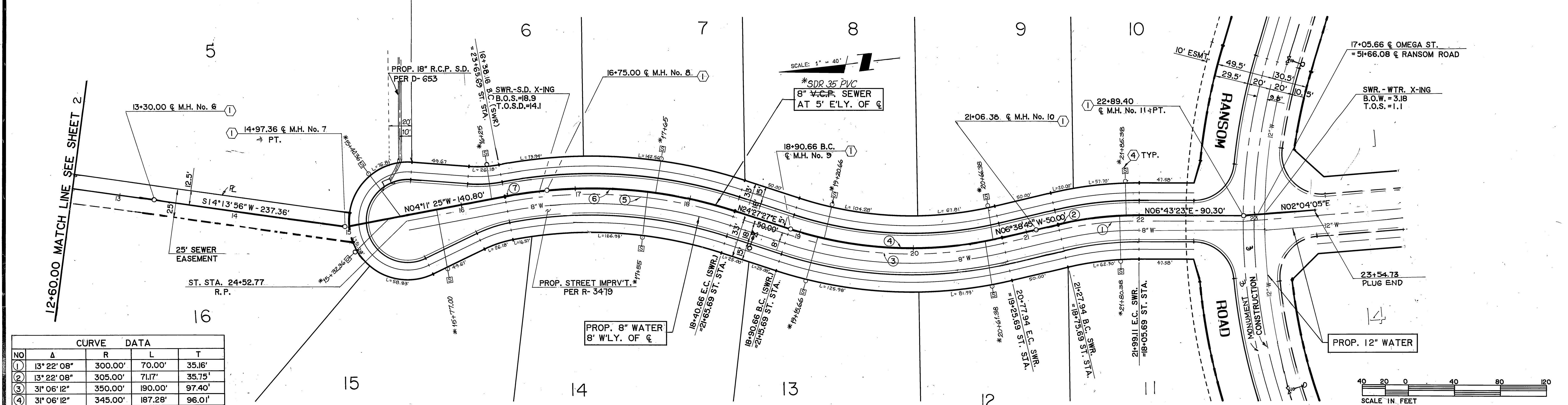
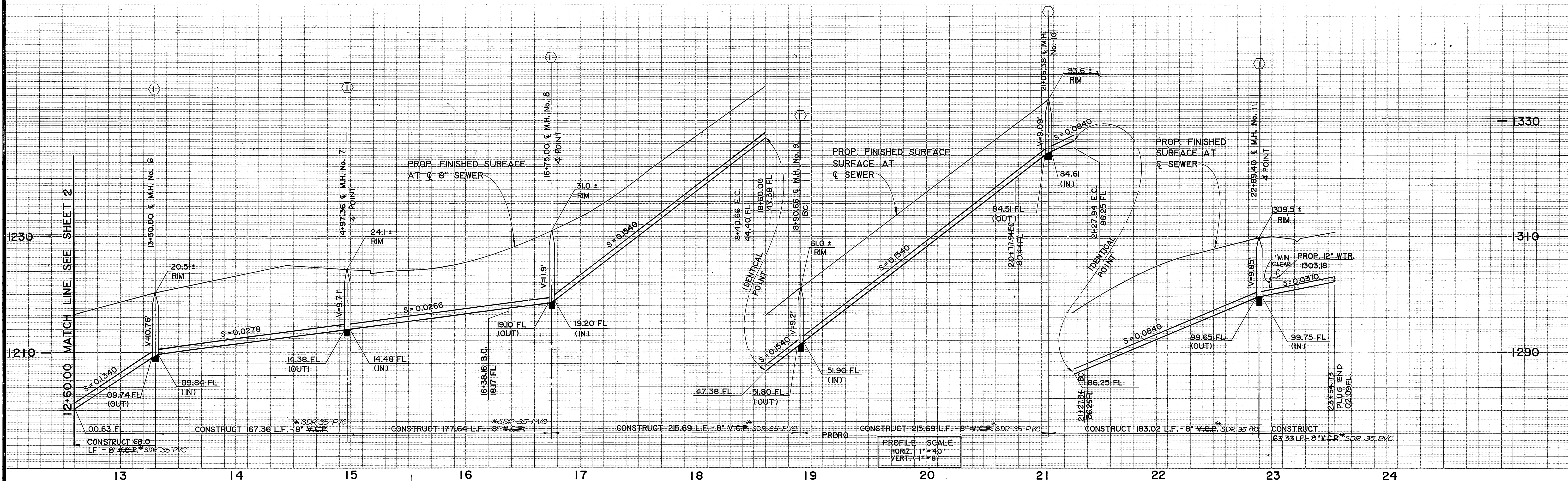
CITY OF RIVERSIDE, CALIFORNIA  
DEPARTMENT OF PUBLIC WORKS

APPROVED BY	BY	DATE
PRINCIPAL ENGINEER	<i>R. McQuill</i>	9-1-98
PARK DEPARTMENT		
TRAFFIC DIVISION		
DEP. P.W. DIRECTOR	<i>R.S.</i>	

**TRACT 25486-4**  
**SEWER IMPROVEMENT PLANS**  
VIA SUSANA  
STA. 2+61.30 TO STA. 12+60.00  
FOR: CHRISTIAN BERGUM & ASSOCIATES

PROJECT NO. S-1688  
SHEET 2 OF 3  
FILE NO.: 1035-001

INDEXED 9-28-98 FH



NO	Δ	R	L	T
1	13° 22' 08"	300.00'	70.00'	35.16'
2	13° 22' 08"	305.00'	71.17'	35.75'
3	31° 06' 12"	350.00'	190.00'	97.40'
4	31° 06' 12"	345.00'	187.28'	96.01'
5	28° 38' 52"	400.00'	200.00'	102.14'
6	23° 26' 10"	405.00'	165.66'	84.00'
7	05° 12' 42"	405.00'	36.84'	18.43'

OMEGA STREET

TRACT 25486-A SEWER CONST. SEWER MAINS ARE 8" SDR 35 PVC SEWER LATERALS ARE 4" SDR 35 PVC

CITY OF RIVERSIDE WATER SYSTEM VOID ONE YEAR FROM THIS DATE

APPROVED: *Richard J. Durbak* 7/21/98 DATE

AS BUILT 9/9/99 R.M.

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

**PRIVATE ENGINEERING NOTE**  
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TECK C. LOH  
 No. 50298  
 Exp. 6/30/01  
 CIVIL  
 STATE OF CALIFORNIA

PREPARED UNDER THE DIRECTION OF:  
*Teck C. Loh*  
 REGISTERED CIVIL ENGINEER NO. 50298  
 EXPIRATION DATE: 6/30/01 DATE: 5/14/99

**CEG** CANTY ENGINEERING GROUP, INC.  
 CIVIL ENGINEERING - PLANNING - SURVEYING  
 3120 CHICAGO AVENUE, SUITE 180, P.O. BOX 52050, RIVERSIDE, CA 92517  
 TEL (909) 683 - 5234 FAX (909) 683 - 5301

SCALE: 1" = 40'  
 DATE: JULY, 1997

BENCH MARK: 68-A  
 IN MEDIAN STRIP OF COUNTRY CLUB DRIVE 60' ± WEST OF C.L. CANYON CREST DRIVE. ELEV. = 1068.06

MARK	REVISIONS	APPR.	DATE

DESIGNED BY: TCL DRAWN BY: D.P. CHECKED BY: TCL

CITY OF RIVERSIDE, CALIFORNIA  
 DEPARTMENT OF PUBLIC WORKS

APPROVED BY: *R. Mc Grath*  
 DIRECTOR OF PUBLIC WORKS  
 DATE: 9-1-98

TRACT 25486-4  
 SEWER IMPROVEMENT PLANS  
 OMEGA STREET  
 STA. 12+60.00 TO STA. 23+54.73  
 FOR: CHRISTIAN BERGMAN & ASSOCIATES

PROJECT NO. S-1688  
 SHEET 3 OF 3  
 FILE NO. 1033-001

INDEXED 9-28-98 44