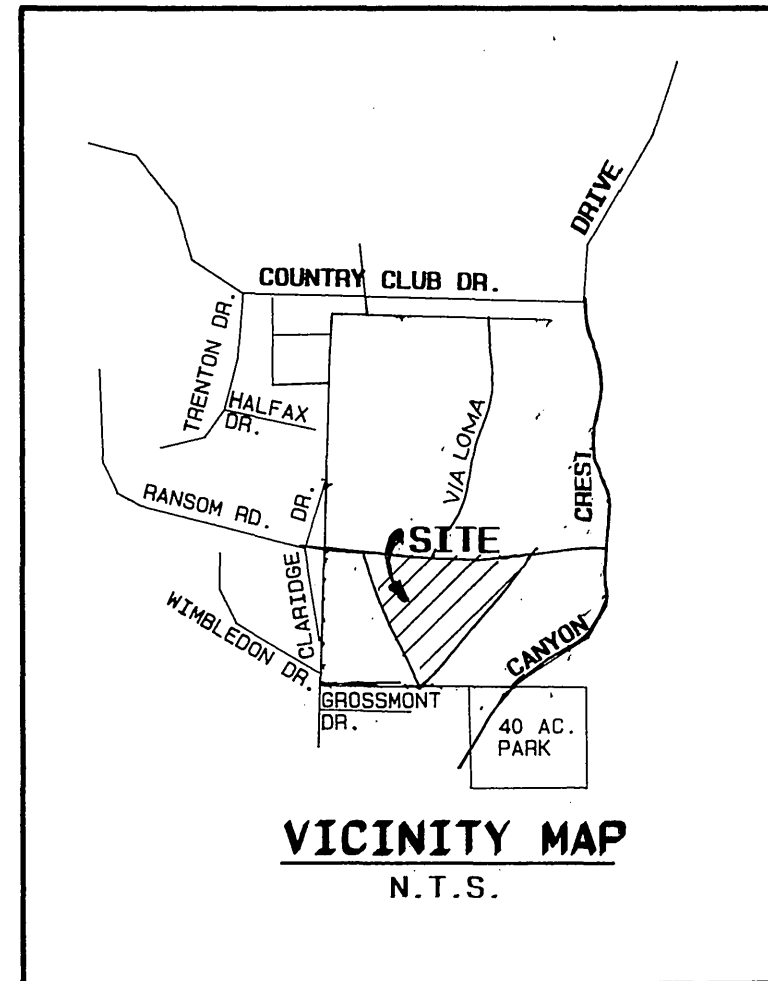


SEWER IMPROVEMENT PLANS

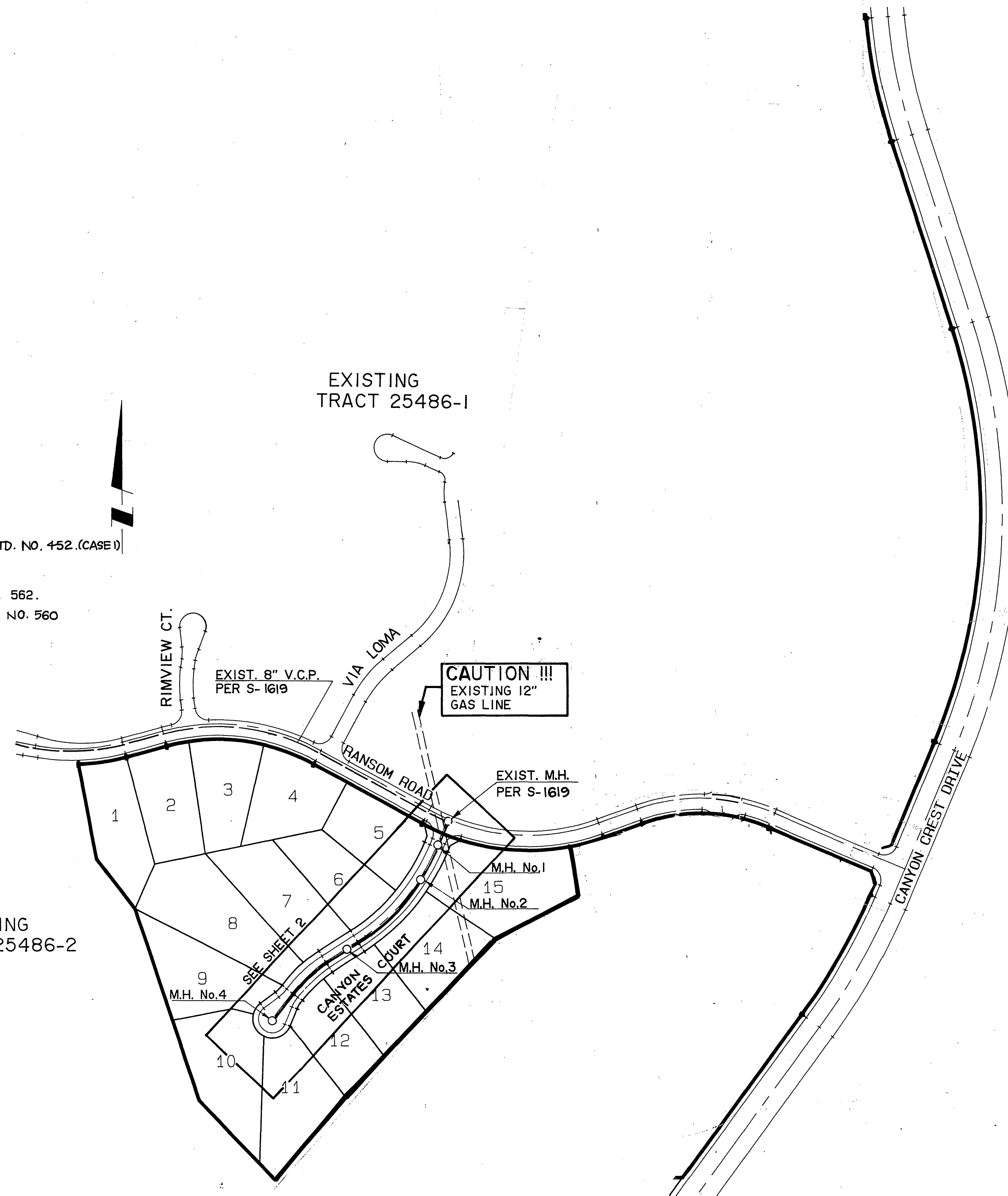


CONSTRUCTION NOTES

- 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.(CASE1)
- ③ REMOVE EXIST. 8" PLUG.
- ④ CONSTRUCT SEWER LATERALS PER CITY OF RIVERSIDE STD. NO. 562.
- ⑤ CONSTRUCT SEWER LATERAL CLEANOUT PER CITY OF RIV. STD. NO. 560

LEGEND

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



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.

CITY OF RIVERSIDE WATER SYSTEM	THE GAS CO.
APPROVED <i>A.J. Spald</i> DATE: 8/7/97	REVIEWED BY <i>H.P. Sandy</i> DATE: 7-14-97

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:
Teck G. Loh
REGISTERED CIVIL ENGINEER NO. 50293
EXPIRATION DATE: 6-30-01 DATE: 5-12-97

TECK G. LOH
No. 50293
Exp. 6-30-01
CIVIL
STATE OF CALIFORNIA

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

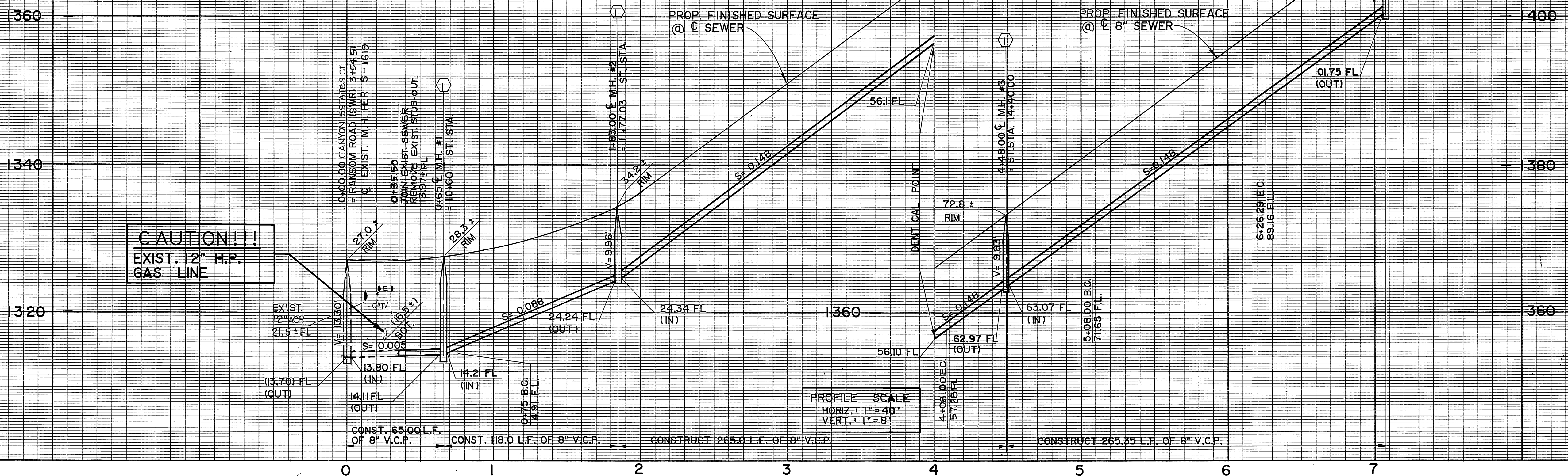
SCALE: AS SHOWN BENCH MARK: CG-A P.K. NAIL & TAG IN BASE OF LIGHT STANDARD IN MEDIUM STRIP OF COUNTRY CLUB DRIVE 60' WEST OF C.L. CANYON CREST DRIVE. ELEV. = 1068.06
DATE: MAY 1997

MARK	REVISIONS	APPR. DATE
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	BY	DATE
PRINCIPAL ENGINEER	<i>[Signature]</i>	8/13/97
PARK DEPARTMENT		
TRAFFIC DIVISION		
DEP. PW. DIRECTOR		

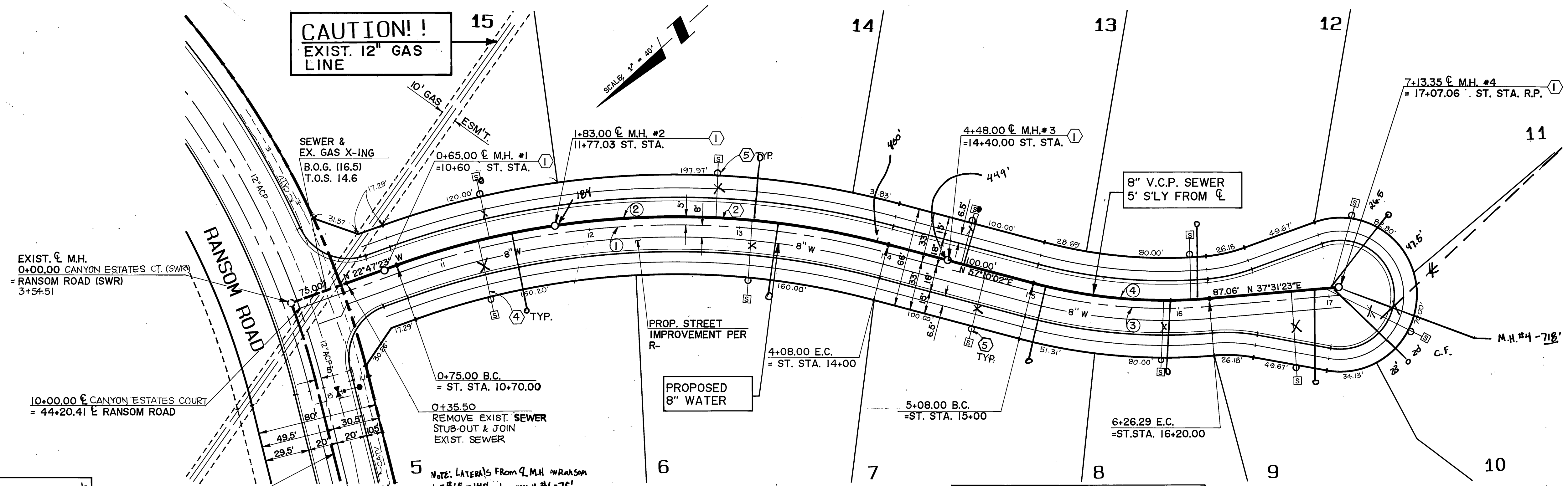
TRACT 25486-3 SEWER IMPROVEMENT PLANS TITLE SHEET	PROJECT NO. S-1687 1 2
FOR: CHRISTIAN BERGUM & ASSOCIATES	FILE NO.: 1032-001

AS BUILT 8/98 INDEXED 10-8-97 4th

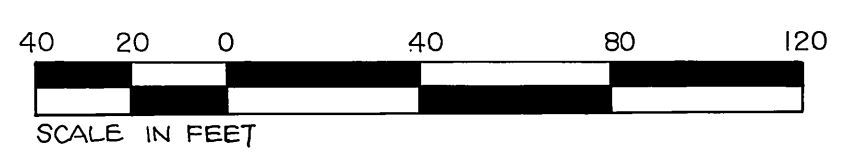


CAUTION!!!
EXIST. 12" H.P. GAS LINE

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



CURVE DATA				
No.	Δ	R	L	T
①	34°22'39"	550.00'	330.00'	170.14
②	34°22'39"	555.00'	333.00'	171.68
③	19°38'39"	350.00'	120.00'	60.59
④	19°38'39"	345.00'	118.29'	59.73

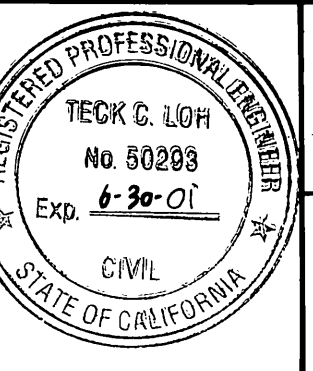


CITY OF RIVERSIDE WATER SYSTEM
A.J. Speed
APPROVED
8/7/97

H.D. Sanchez
APPROVED BY
2-14-97
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:
Terry C. Lioh
REGISTERED CIVIL ENGINEER NO. 50293
EXPIRATION DATE: 6-30-01 DATE: 5-12-97
APPROVED BY:

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
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SCALE: AS SHOWN BENCH MARK: G-8A P.K. NATL & 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: JULY, 1997

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] DATE: 8/13/97
PRINCIPAL ENGINEER: [Signature] DATE: 8/13/97
TRAFFIC DIVISION: [Signature] DATE: 8/13/97
DEP. P.W. DIRECTOR: [Signature] DATE: 8/13/97

TRACT 25486-3
SEWER IMPROVEMENT PLANS
CANYON ESTATES COURT
STA. 0+00.00 TO STA. 7+13.35
FOR: CHRISTIAN BERGUM & ASSOCIATES
PROJECT NO. 1033-001
S-1687
SHEET 2 OF 2
FILE NO.:

ASBUILT 6/18

INDEXED 10-8-97 4H