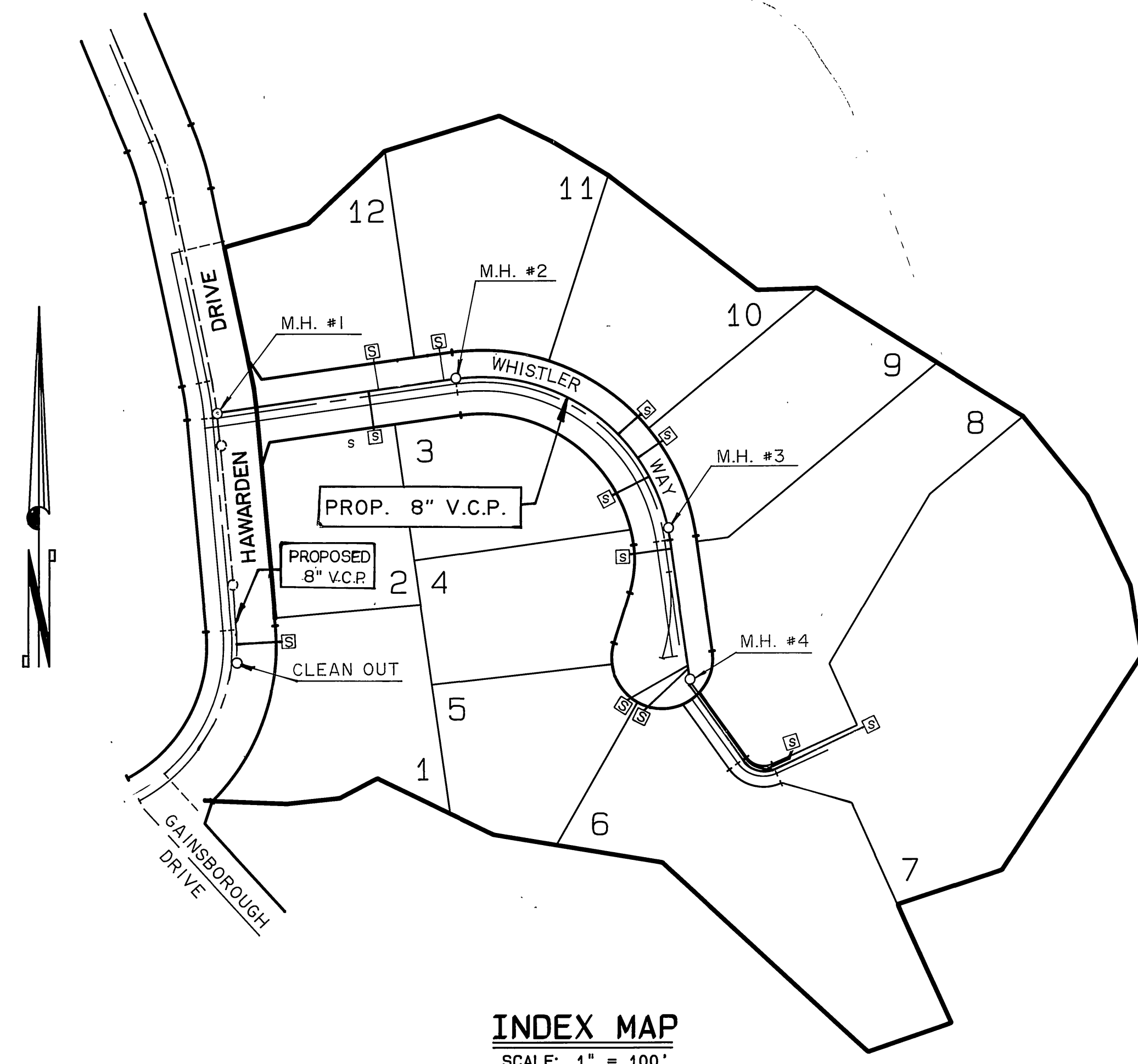


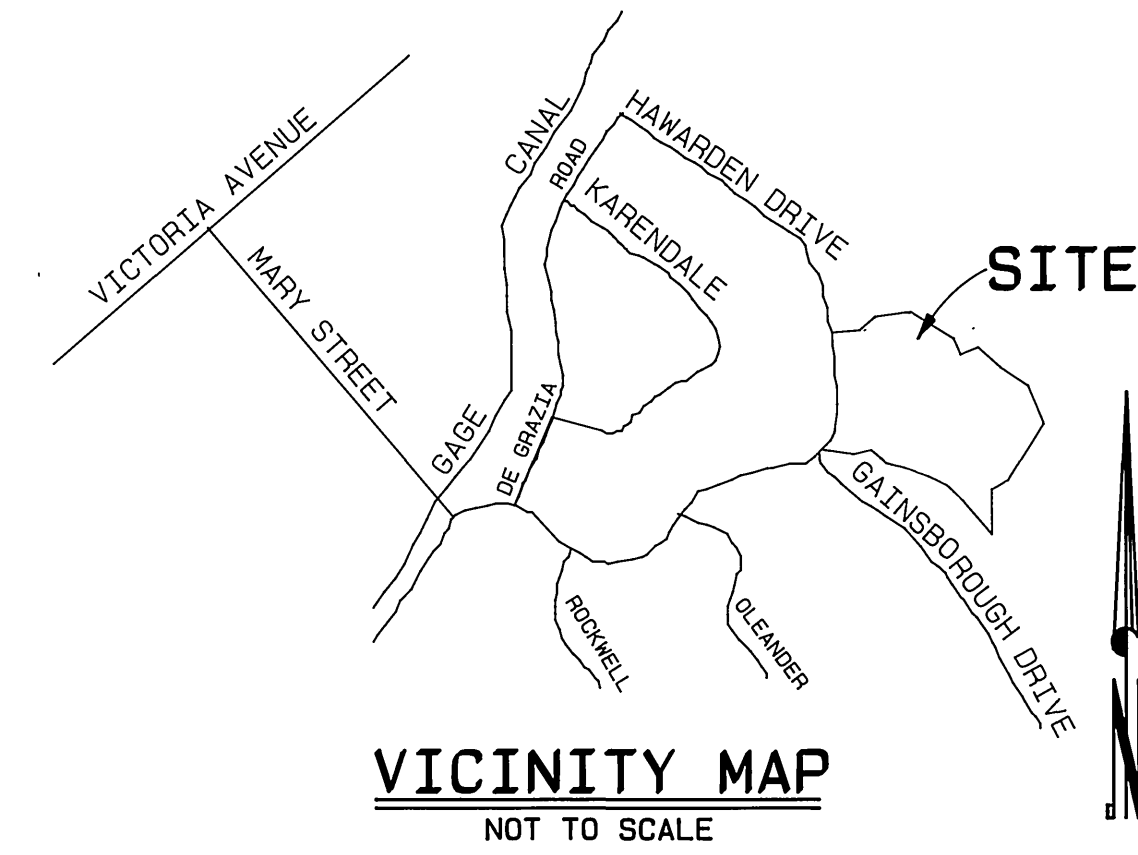
TRACT 21875 SEWER IMPROVEMENT PLANS

GENERAL NOTES

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 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.
9. All manholes to be Riverside City Std. 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. 1-800-422-4133, 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.
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 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.
14. Quantities shown are for information only and the City of Riverside is not responsible for their accuracy.



INDEX MAP
SCALE: 1" = 100'



VICINITY MAP
NOT TO SCALE

LEGEND

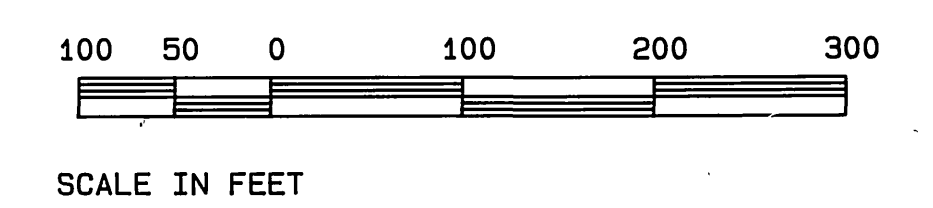
- PROPOSED V.C.P. SEWER
- - - - EXISTING V.C.P. SEWER
- — MANHOLE
- — CLEANOUT

CONSTRUCTION NOTES

- ① CONSTRUCT MANHOLE PER C/R STD. DWG. NO. 500.
- ② CONSTRUCT CLEAN OUT PER C/R STD. DWG. NO. 560.
- ③ CONSTRUCT 8" V.C.P. SEWER.
- ④ CONSTRUCT V.C.P. LATERALS TO R PER C/R STD. DWG. NO.562.
- ⑤ ENCASE SEWER LATERAL PER C.W.D.-022 (WATER DIVISION) TYPE "C".
- ⑥ LAY WYES FLAT

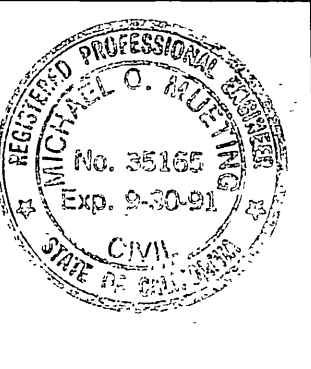
CITY OF RIVERSIDE
WATER SYSTEM

Richard J. Durbak 7-16-90
APPROVED DATE



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:
Mark A. Muehle
REGISTERED CIVIL ENGINEER NO. 35185
EXPIRATION DATE: 9-30-91 DATE: 9-28-85
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 714-686-6954
11200 S. Mt. Vernon Ave., Suite "D" Colton, CA 92324 (919) 346-6591 FAX 619-340-0529
73-080 El Paseo, Suite 106 Palm Desert, CA 92260 (818) 346-6591 FAX 619-340-0529

SCALE: AS SHOWN
DATE: AUGUST 1989
BENCH MARK: BRASS DISC STAMPED FG-A CAPPED AT CENTERLINE INTERSECTION OF VICTORIA AND WASHINGTON STREET. ELEVATION: 928.00'

MARK	REVISIONS	APPR.	DATE
DESIGNED BY L.W.	DRAWN BY D.P.	CHECKED BY M.M.	

CITY OF RIVERSIDE, CALIFORNIA
DEPARTMENT OF PUBLIC WORKS

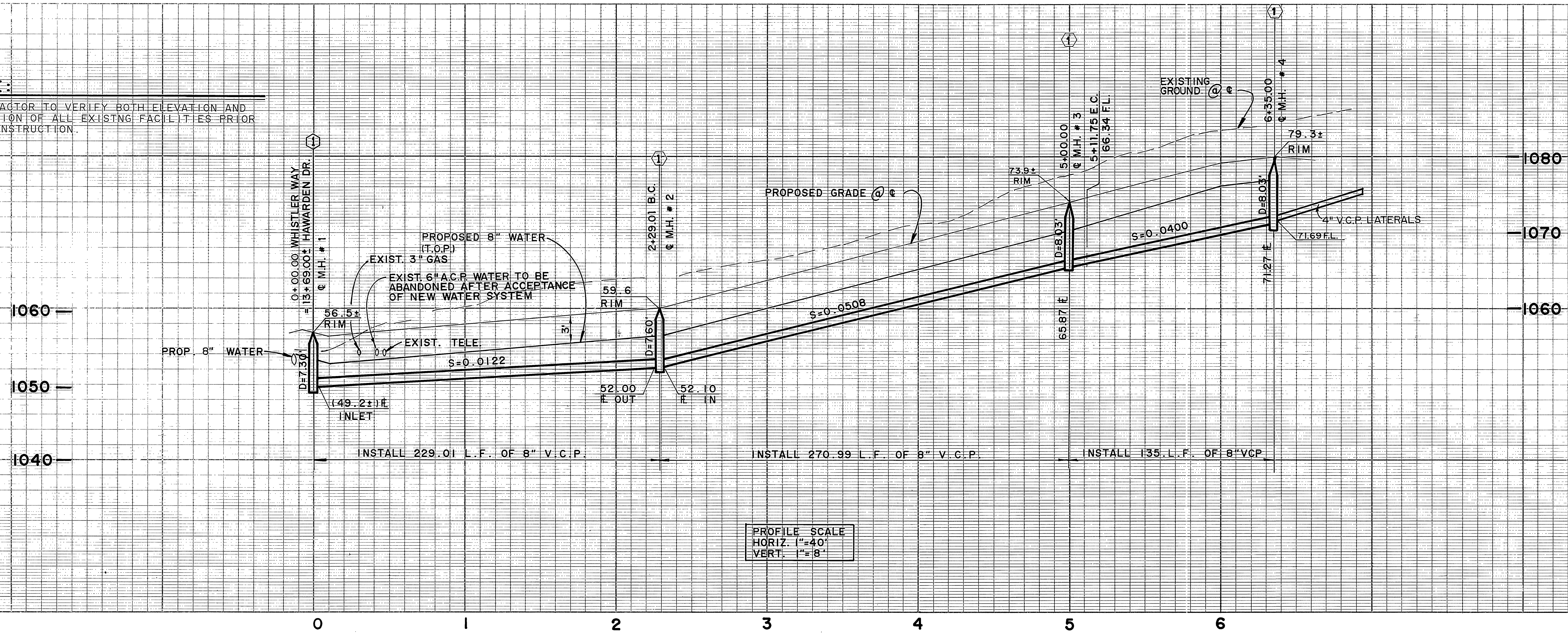
APPROVED BY	BY	DATE	APPROVED BY	DATE
PRINCIPAL ENGINEER	<i>B. [Signature]</i>	7/16/90	DIRECTOR OF PUBLIC WORKS	10/28/90
PARK DEPARTMENT				
TRAFFIC DIVISION				
CHIEF P.W. ENGR.	<i>R.H.L. [Signature]</i>	10/28/90		

TRACT 21875
SEWER IMPROVEMENT PLAN
TITLE SHEET

CLIENT NAME: HUBBARD

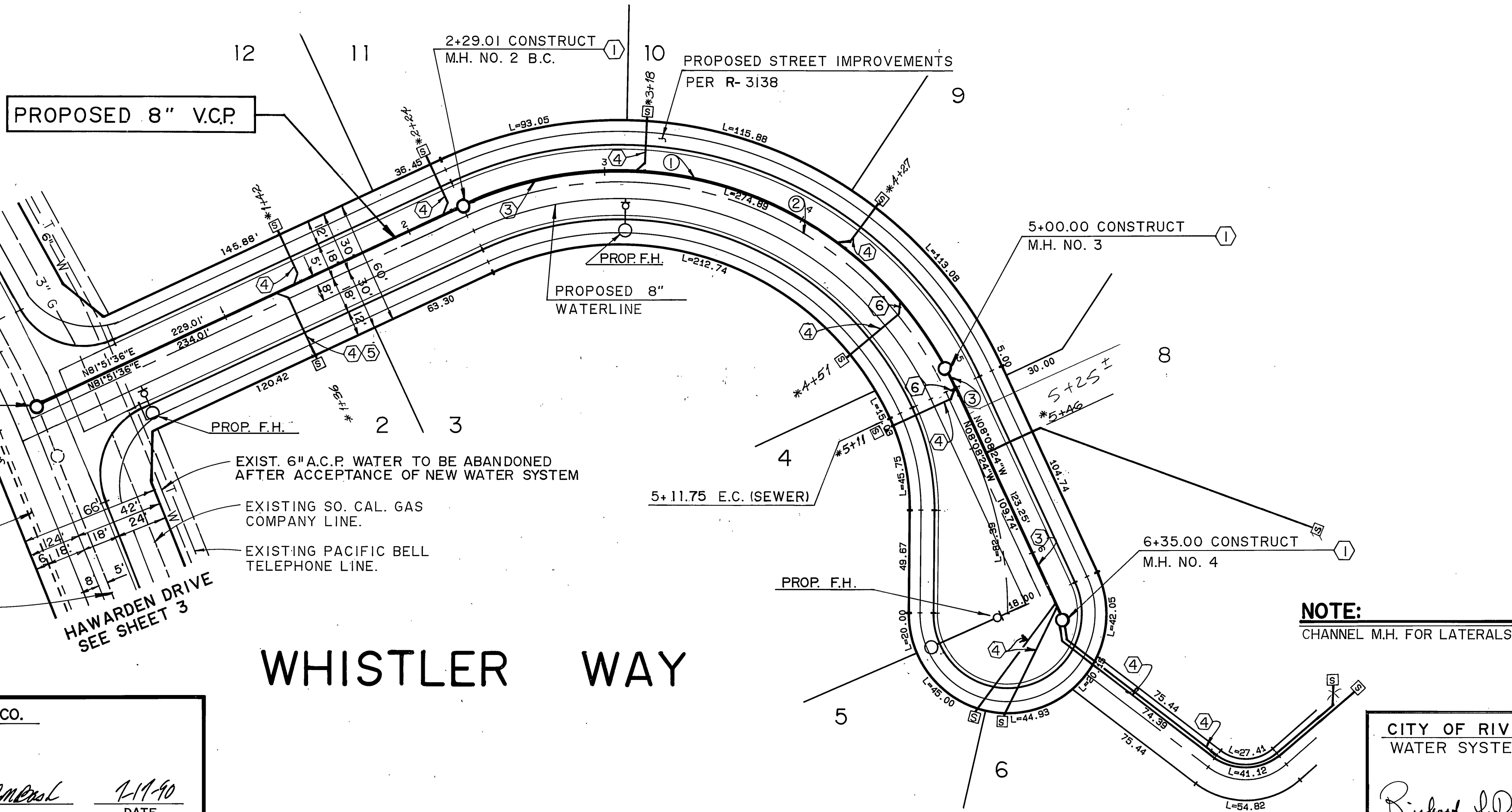
PROJECT NO.
S-1577
SHEET **1** OF **3**
FILE NO.: 8911371

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



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

CURVE DATA				
Δ	RADIUS	LENGTH	TANGENT	
① 86°15'32"	180.00'	270.99'	168.61'	
② 90°00'00"	175.00'	274.89'	175.00'	
③ 03°44'28"	180.00'	11.75'	5.88'	



CONSTRUCTION NOTES:

- ① CONSTRUCT MANHOLE PER C/R STD. DWG. NO. 500.
- ③ CONSTRUCT 8" V.C.P. SEWER.
- ④ CONSTRUCT V.C.P. LATERALS TO R PER C/R STD. DWG. NO. 562.
- ⑤ ENCASE SEWER LATERAL PER C.W.D.-022 (WATER DIVISION) TYPE "C".
- ⑥ LAY WYES FLAT.

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

NOTE:
CHANNEL M.H. FOR LATERALS.

SOUTHERN CALIFORNIA GAS CO.

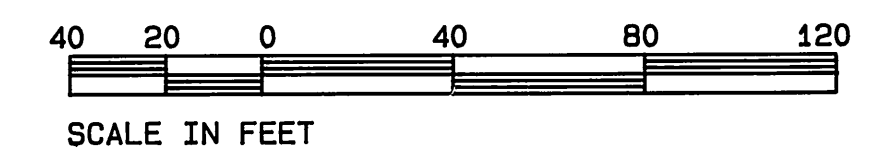
PACIFIC TELEPHONE CO.

REVIEWED BY *Robert St. John* DATE 7-28-90

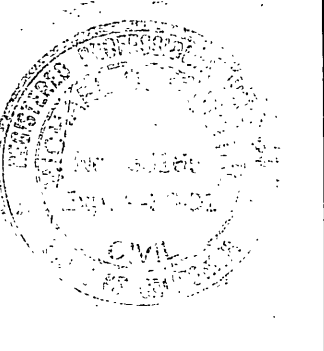
REVIEWED BY *John Davidson* DATE 7-11-90

CITY OF RIVERSIDE
WATER SYSTEM

APPROVED *Richard J. Deibel* DATE 7-16-90



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.



REGISTERED CIVIL ENGINEER NO. 35165
EXPIRATION DATE: 9-30-91 DATE: 7-28-90
APPROVED BY: *Richard J. Deibel*

J.F. Davidson Associates, Inc.
ENGINEERING PLANNING SURVEYING ARCHITECTURE LANDSCAPE ARCHITECTURE
3880 Lemon Street, Suite 300 P.O. Box 493 Riverside, CA 92502 (714) 686-0944 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) 346-6691 FAX 619-340-8529
SCALE: 1" = 40'
DATE: AUGUST 1989
BENCH MARK: BRASS DISC. STAMPED F6-A CAPPED AT CENTERLINE INTERSECTION OF VICTORIA AND WASHINGTON STREET. ELEVATION: 928.00'

MARK REVISIONS APPR. DATE
DESIGNED BY L.W. DRAWN BY S.L.C. CHECKED BY M.M.

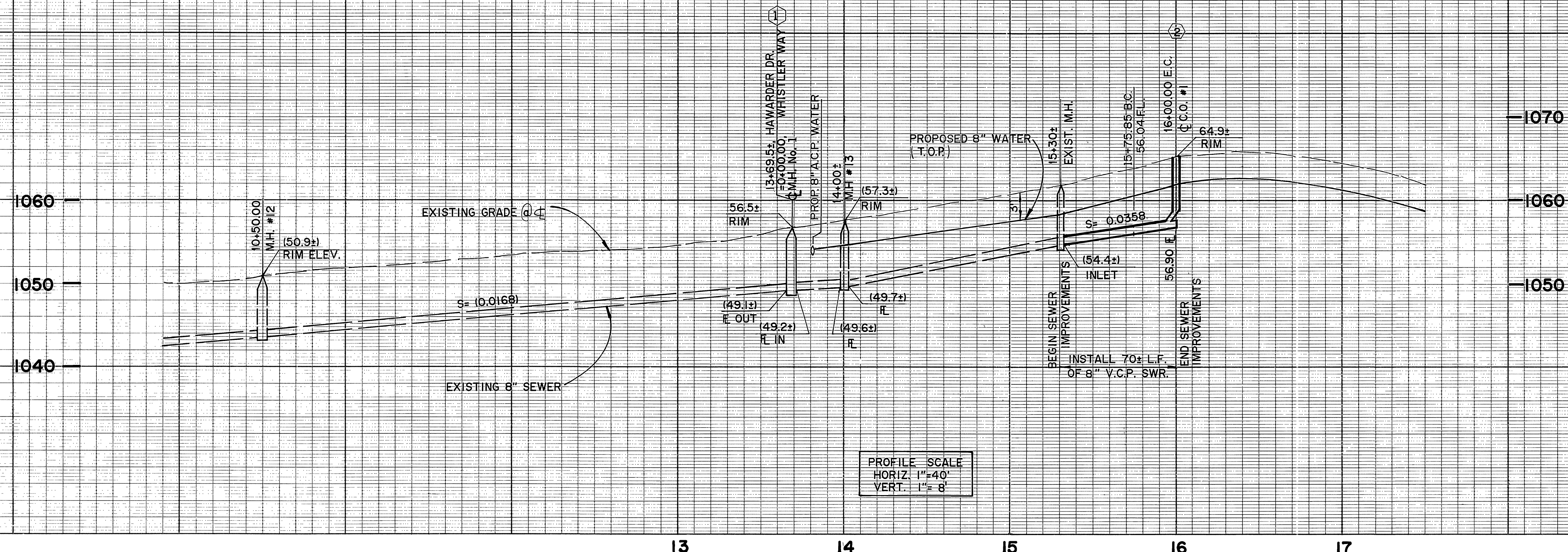
CITY OF RIVERSIDE, CALIFORNIA
DEPARTMENT OF PUBLIC WORKS
APPROVED BY *Richard J. Deibel* DATE 10/28/90
CHIEF P.W. ENGR.

TRACT 21875
SEWER IMPROVEMENT PLAN
WHISTLER WAY
CLIENT NAME: HUBBARD

PROJECT NO. S-1577
SHEET 2 OF 3
FILE NO: 8911371

NOTE:

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

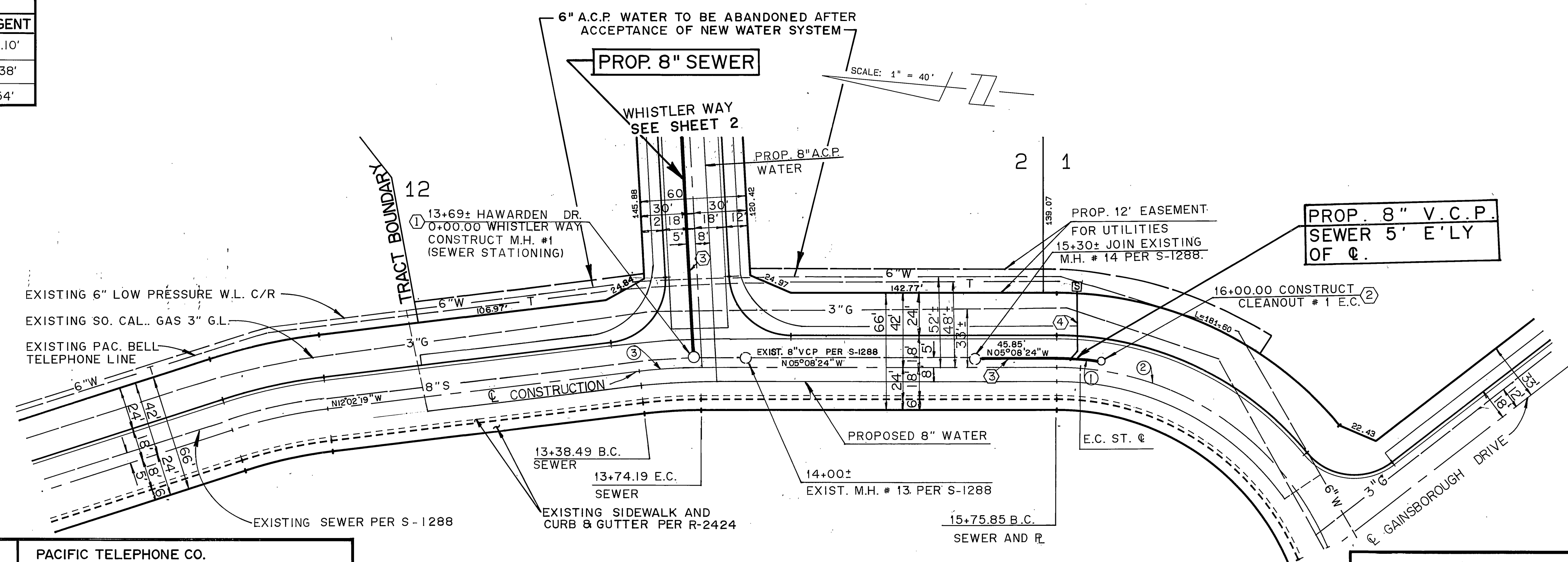


PROFILE SCALE
HORIZ. 1"=40'
VERT. 1"=8'

CURVE DATA				
0	Δ	RADIUS	LENGTH	TANGENT
①	08°04'14"	171.45'	24.15'	12.10'
②	67°00'54"	160.48'	187.94'	106.38'
③	06°53'54"	291.00'	35.04'	17.54'

CONSTRUCTION NOTES:

- ① CONSTRUCT MANHOLE PER C/R STD. DWG. NO. 500.
- ② CONSTRUCT CLEANOUT PER C/R STD. DWG. NO. 560.
- ③ CONSTRUCT 8" V.C.P. SEWER
- ④ CONSTRUCT V.C.P. LATERAL TO R PER C/R STD.



NOTE:

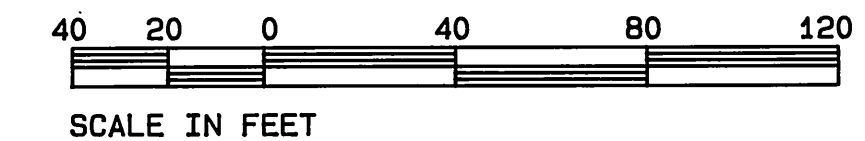
CONTRACTOR TO VERIFY BOTH ELEVATION AND LOCATION OF ALL EXISTING FACILITIES PRIOR TO CONSTRUCTION.

SOUTHERN CALIFORNIA GAS CO.

PACIFIC TELEPHONE CO.

HAWARDEN DRIVE

CITY OF RIVERSIDE
WATER SYSTEM
APPROVED: *Richard J. Doherty* 7-16-90
DATE



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
Michael J. Mundy
REGISTERED CIVIL ENGINEER NO. 35165
EXPIRATION DATE: 9-30-91 DATE: 9/28-89
APPROVED BY:

J.F. Davidson Associates, Inc.
ENGINEERING PLANNING SURVEYING ARCHITECTURE LANDSCAPE ARCHITECTURE
3880 Lemon Street, Suite 500 P.O. Box 493 Riverside, CA 92502 (714) 686-0844 FAX 714-686-9554
11200 S. Mt. Vernon Ave., Suite "D" Palm Desert, CA 92260 (619) 346-5591 FAX 619-346-0529
SCALE: 1" = 40'
DATE: AUGUST 1989
BENCH MARK: BRASS DISC STAMPED F6-A CAPPED AT CENTERLINE INTERSECTION OF VICTORIA AND WASHINGTON STREET. ELEVATION: 92800

MARK	REVISIONS	APPR.	DATE

DESIGNED BY: L.W. DRAWN BY: D.P. CHECKED BY: M.M. FREED

CITY OF RIVERSIDE, CALIFORNIA
DEPARTMENT OF PUBLIC WORKS
APPROVED BY: *Raymond*
PRINCIPAL ENGINEER
PARK DEPARTMENT
TRAFFIC DIVISION
CHIEF P.W. ENGR. DATE: 10/28/90

TRACT 21875
SEWER IMPROVEMENT PLAN
HAWARDEN DRIVE
CLIENT NAME: HUBBARD

PROJECT NO.
S-1577
SHEET **3** OF **3**
FILE NO.: 8911371