

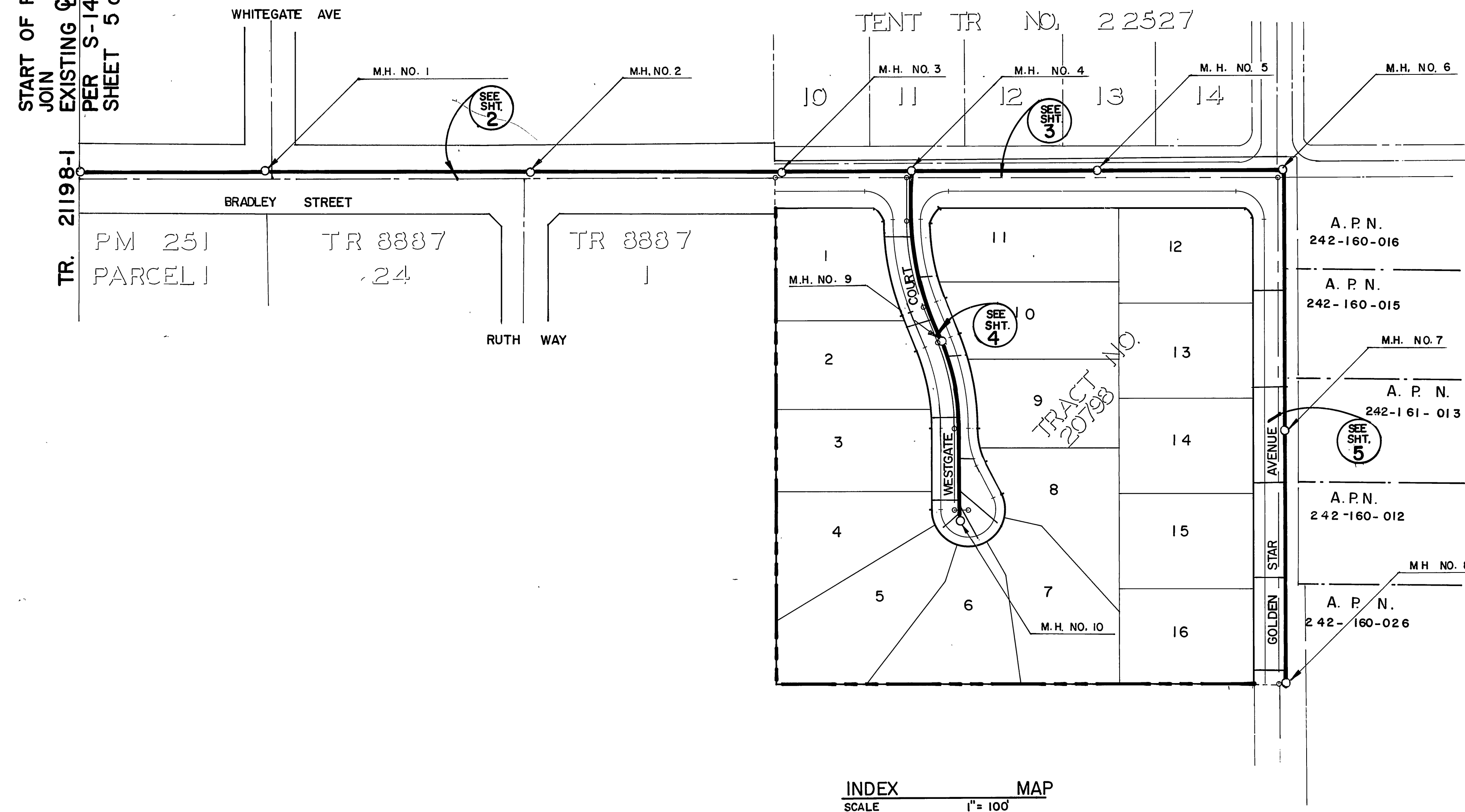
# TRACT 20798

## SEWER IMPROVEMENTS

### 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 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.

START OF PROJECT  
JOIN  
EXISTING @ M.H.#1  
PER S-1444  
SHEET 5 of 10



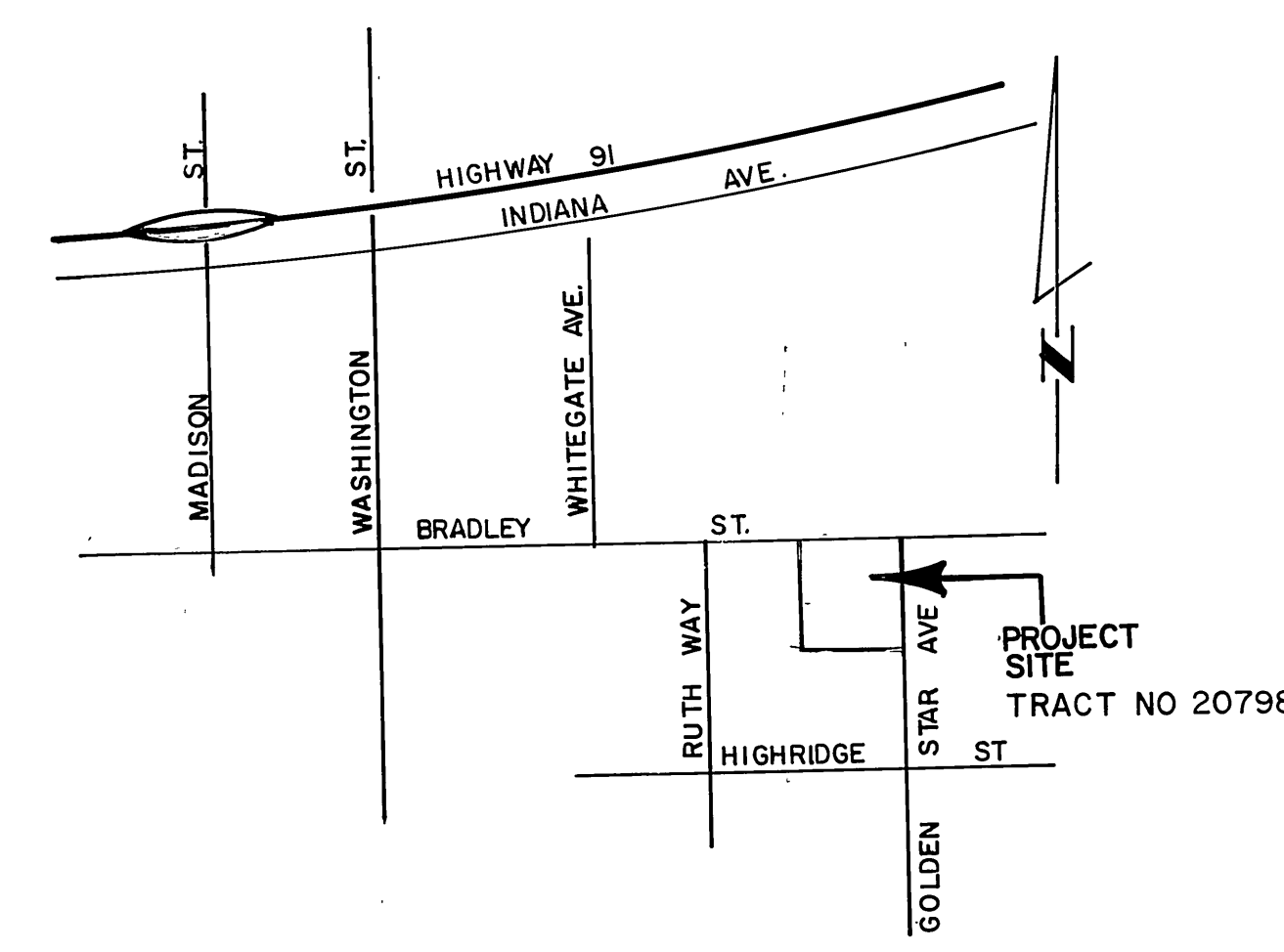
INDEX MAP  
SCALE 1" = 100'

### CONSTRUCTION NOTES (SEWER)

- ① CONSTRUCT MANHOLES PER CITY OF RIVERSIDE STD. DWG. NO. 500.
- ② CONSTRUCT 4" V.C.P. LATERALS PER CITY OF RIVERSIDE STD. NO. 562.
- ③ CONSTRUCT 8" VCP
- ④ CONSTRUCT 8" STUB OUT WITH PLUG
- ⑤ REMOVE & REPLACE A.C.
- ⑥ SAW CUT

### SEWER QUANTITIES

1. 8" V.C.P. SEWER	2398 LF
2. MANHOLES	10 EA.
3. 4" V.C.P. LATERALS	465 LF



### LEGEND

- PROPOSED 8" V.C.P. SEWER
- EXISTING EDGE OF PVMT
- MANHOLE

CITY OF RIVERSIDE  
WATER DEPARTMENT

*Carl Weingarten* APPROVED BY DATE 3/2/88

INDEXED 6-13-88 *4th*

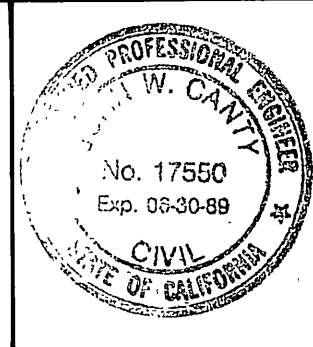
CITY OF RIVERSIDE, CALIFORNIA  
DEPARTMENT OF PUBLIC WORKS

APPROVED BY PRINCIPAL ENGINEER <i>John W. Cady</i>	DATE <u>6/15/88</u>	APPROVED BY DIRECTOR OF PUBLIC WORKS <i>Barry Bell</i>	DATE <u>6/15/88</u>
TRAFFIC DIVISION CHIEF P.W. ENGR. <i>W.C. Z...</i>			

DESIGNED BY Y. Z. DRAWN BY T.F.E. CHECKED BY ...

**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. Cady*  
REGISTERED CIVIL ENGINEER NO. 17560  
EXPIRATION DATE: \_\_\_\_\_ DATE: 10/1/87

**J.F. DAVIDSON ASSOCIATES, INC.**  
CIVIL ENGINEERS • SURVEYORS • PLANNERS

P.O. BOX 493 11200 SO. MT. VERNON AVE. #D 73-080 EL PASO, #103  
RIVERSIDE CA 92502 COLTON CA 92324 PALM DESERT CA 92260  
(714) 886-0844 (714) 825-1082 (619) 346-5891

SCALE: PLAN: 1" = 40'  
DATE: AUG. 1987

BENCH MARK: BM FS-6  
PK NAIL ON TOP OF CONCRETE VAULT ON THE WEST SIDE OF WASHINGTON IS NORTHERLY OF C.L. OF MUIRFIELD ROAD PRODDED. ELEV. 1029.59

MARK	REVISIONS	APPR.	DATE

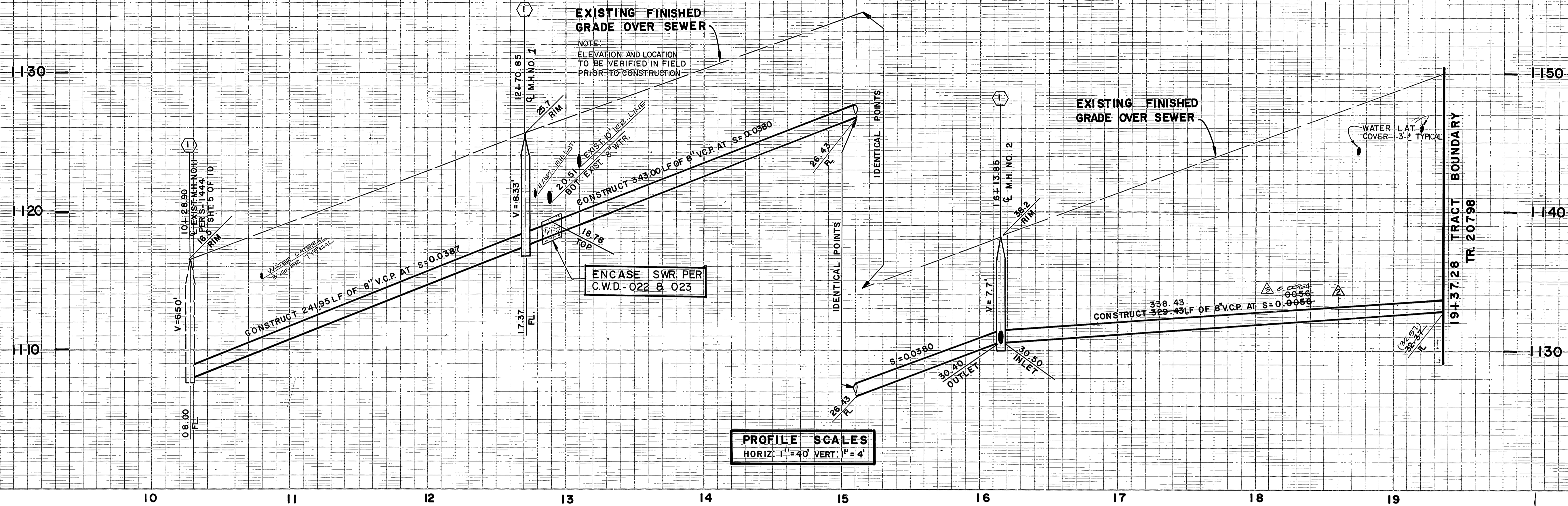
SEWER IMPROVEMENT PLANS

TRACT 20798  
TITLE SHEET

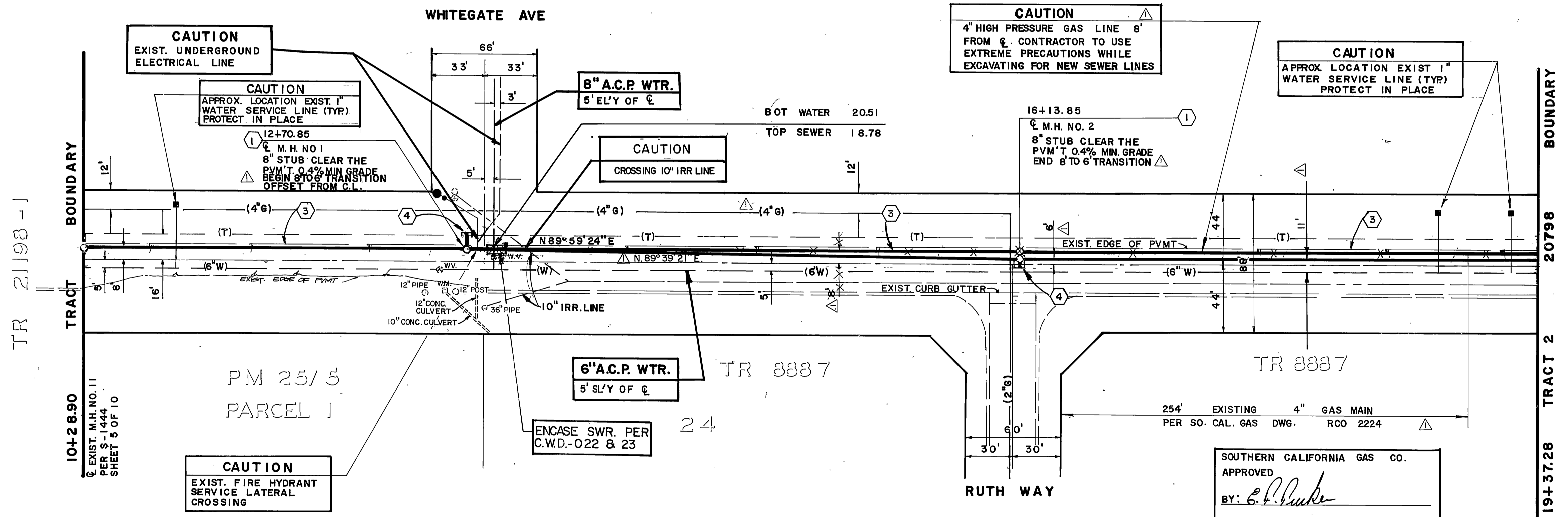
PROJECT NO. **S-1498**  
SHEET **5** OF **5**  
FILE NO. 8709987

HORIZ. SCALE: 1" = 40' VERT. SCALE: 1" = 40'





**PROFILE SCALES**  
 HORIZ: 1"=40' VERT: 1"=4'



- CONSTRUCTION NOTES**
- ① CONSTRUCT MANHOLES PER CITY OF RIV. STD. DWG. 500
  - ③ CONSTRUCT 8" V.C.P.
  - ④ CONSTRUCT 8" STUB OUT WITH PLUG

**CAUTION**  
 4" HIGH PRESSURE GAS LINE 8' FROM C. CONTRACTOR TO USE EXTREME PRECAUTIONS WHILE EXCAVATING FOR NEW SEWER LINES

**CAUTION**  
 APPROX. LOCATION EXIST 1" WATER SERVICE LINE (TYP) PROTECT IN PLACE

**CAUTION**  
 EXIST. UNDERGROUND ELECTRICAL LINE

**CAUTION**  
 APPROX. LOCATION EXIST 1" WATER SERVICE LINE (TYP) PROTECT IN PLACE

**CAUTION**  
 CROSSING 10" IRR LINE

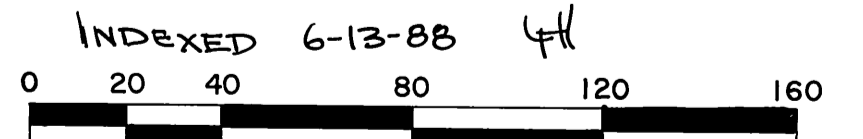
**CAUTION**  
 8" STUB CLEAR THE PVM T 0.4% MIN. GRADE END 8' TO 6" TRANSITION

**CAUTION**  
 EXIST. FIRE HYDRANT SERVICE LATERAL CROSSING

SOUTHERN CALIFORNIA GAS CO.  
 APPROVED BY: *E.P. Duke*  
 DATE: 6-20-88

CITY OF RIVERSIDE OVERHEAD AND UNDERGROUND  
 APPROVED BY: *John Johnson*  
 ENGINEERING MANAGER, ELECTRIC  
 DATE: 3-2-88

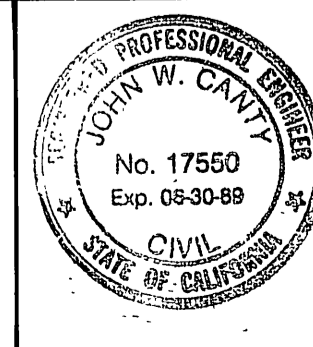
CITY OF RIVERSIDE WATER DEPARTMENT  
 APPROVED BY: *Carl Weinger*  
 DATE: 3/1/88



SEE SHEET 1 OF 5 FOR GENERAL NOTES

**Underground Service Alert**  
 Call: TOLL FREE 1-800-422-4133  
 TWO WORKING DAYS BEFORE VOL. 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. Caty*  
 REGISTERED CIVIL ENGINEER NO. 17550  
 EXPIRATION DATE 6-30-89 DATE: 10/9/87

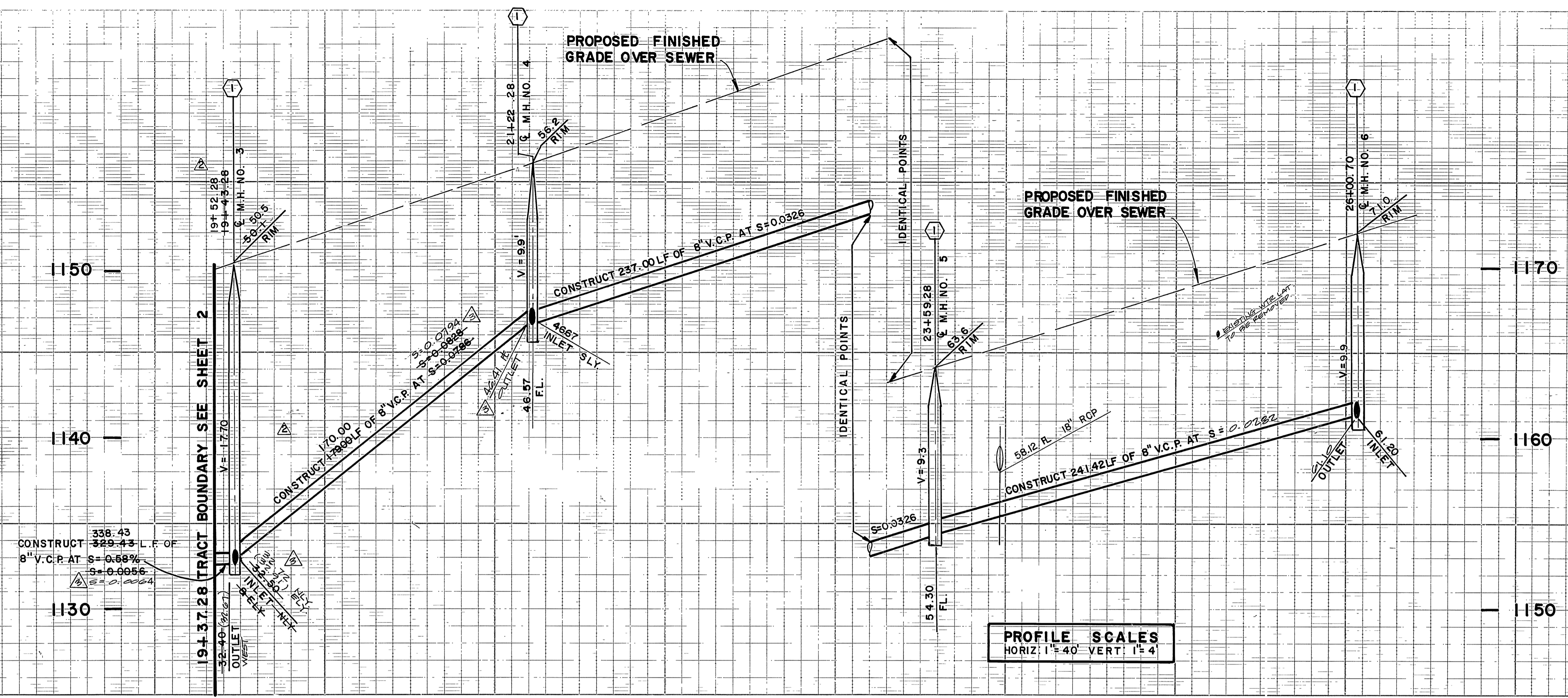
**J.F. DAVIDSON ASSOCIATES, INC.**  
 CIVIL ENGINEERS • SURVEYORS • PLANNERS  
 P.O. BOX 493 RIVERSIDE CA 92502 (714) 686-0844  
 11200 SO. MT. VERNON AVE. #D COLTON CA 92324 (714) 825-1082  
 73-080 EL PASO, #103 PALM DESERT CA 92260 (819) 346-5691

SCALE: PLAN: 1"=40'  
 DATE: AUGUST 1987  
 BENCH MARK: BM FB-6 ELEV.: 1029.59  
 PK NAIL ON TOP OF CONCRETE VAULT ON THE WEST SIDE OF WASHINGTON 15' NORTHERLY OF C.L. OF MUIRFIELD ROAD PRODDED

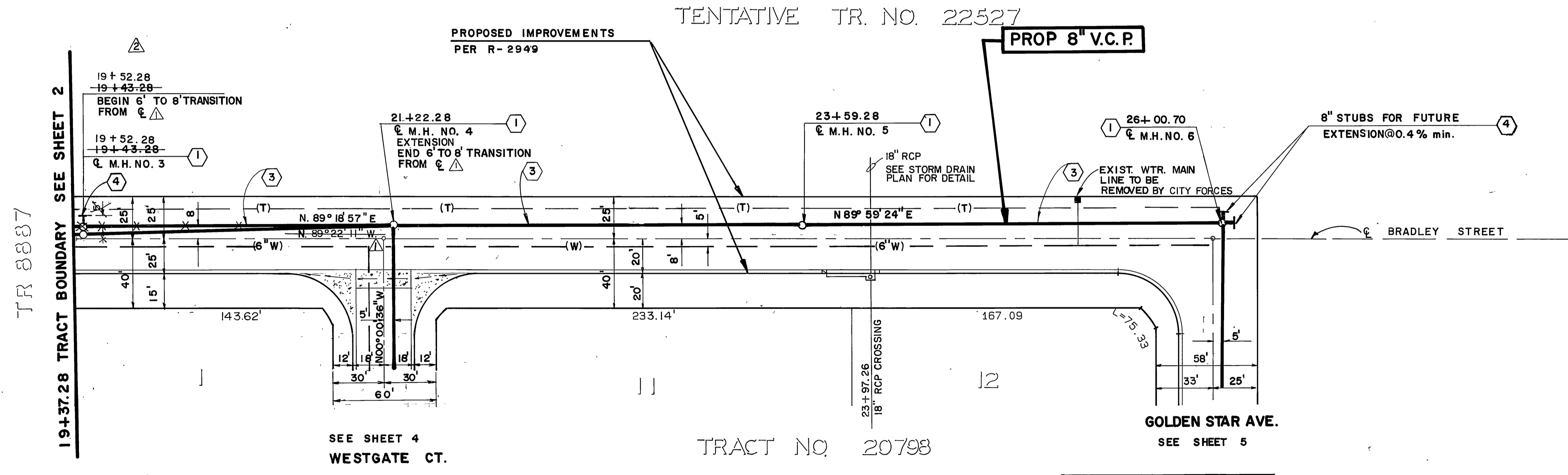
CITY OF RIVERSIDE, CALIFORNIA DEPARTMENT OF PUBLIC WORKS  
 APPROVED BY: *Benny Beal*  
 DIRECTOR OF PUBLIC WORKS  
 DATE: 6/5/88

SEWER IMPROVEMENT PLANS  
**TRACT 20798**  
 BRADLEY STREET  
 STA 10+28.90 TO STA. 19+37.28  
 PROJECT NO. **S-1498**  
 SHEET **2** OF **5**  
 FILE NO. 8709925  
 HORIZ. SCALE: 1"=40' VERT. SCALE: 1"=4'





**PROFILE SCALES**  
 HORIZ: 1" = 40'  
 VERT: 1" = 4'



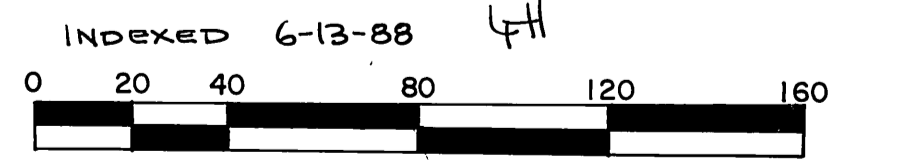
- CONSTRUCTION NOTES**
- ① CONSTRUCT MANHOLES PER CITY OF RIV. STD. DWG. 500
  - ② CONSTRUCT 8" V.C.P.
  - ③ CONST. 8" V.C.P. STUB OUT WITH PLUG

# BRADLEY STREET

SOUTHERN CALIFORNIA GAS CO  
 APPROVED BY: *[Signature]*  
 DATE: 6-20-88

CITY OF RIVERSIDE OVERHEAD AND UNDERGROUND  
 APPROVED BY: *[Signature]*  
 DATE: 3-2-88

CITY OF RIVERSIDE WATER DEPARTMENT  
 APPROVED BY: *[Signature]*  
 DATE: 3/2/88



**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...  
 No. 17550  
 Exp. 05-30-89

PREPARED UNDER THE DIRECTION OF:  
*[Signature]*  
 REGISTERED CIVIL ENGINEER NO. 17550  
 EXPIRATION DATE: 6-30-89 DATE: 10/9/87

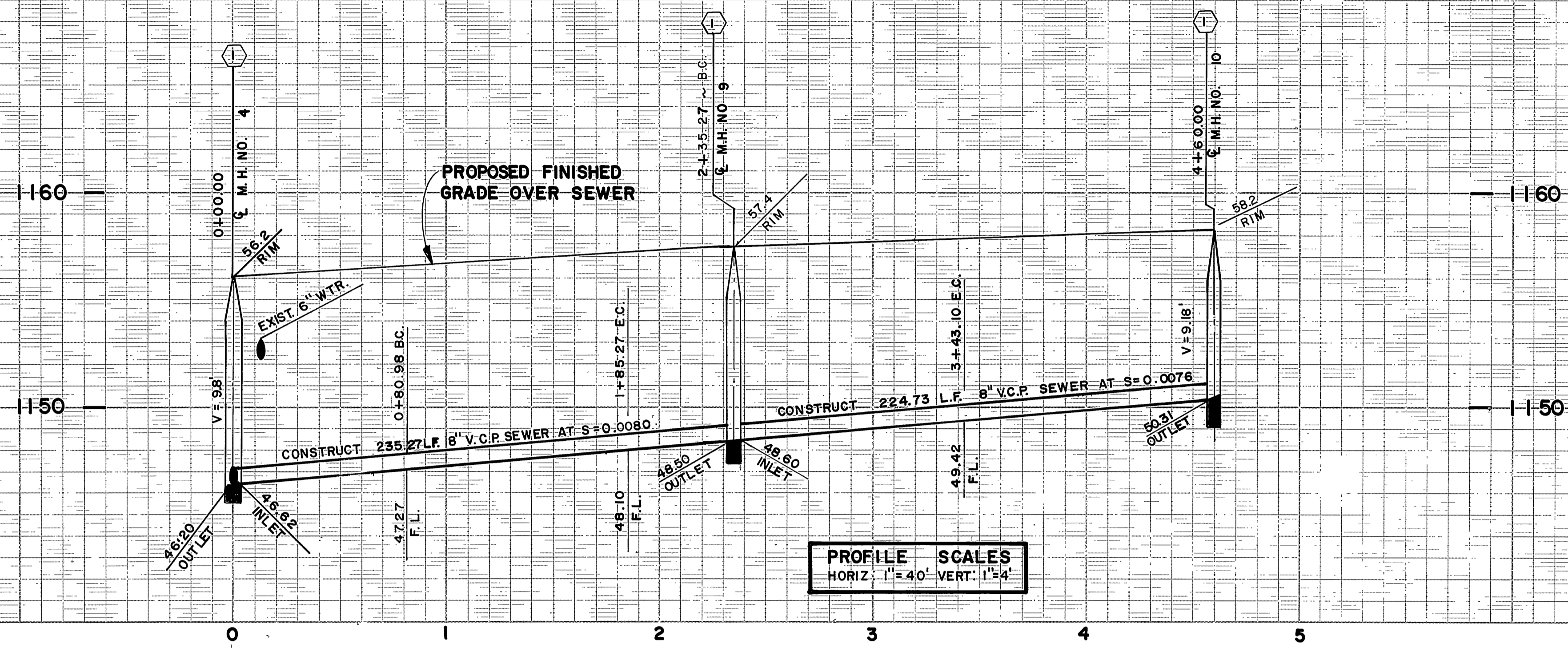
**J.F. DAVIDSON ASSOCIATES, INC.**  
 CIVIL ENGINEERS • SURVEYORS • PLANNERS  
 P.O. BOX 488 RIVERSIDE, CA 92502 (714) 686-0844  
 11200 SO. MT. VERNON AVE. #D COVINGTON, CA 95304 (714) 825-1082  
 73-000 EL PASO, #103 PALM DESERT, CA 92260 (619) 346-6691

DESIGNED BY: Y.Z. DRAWN BY: J.F.E. CHECKED BY: [Signature]

CITY OF RIVERSIDE, CALIFORNIA DEPARTMENT OF PUBLIC WORKS  
 APPROVED BY: *[Signature]*  
 DATE: 6/5/88

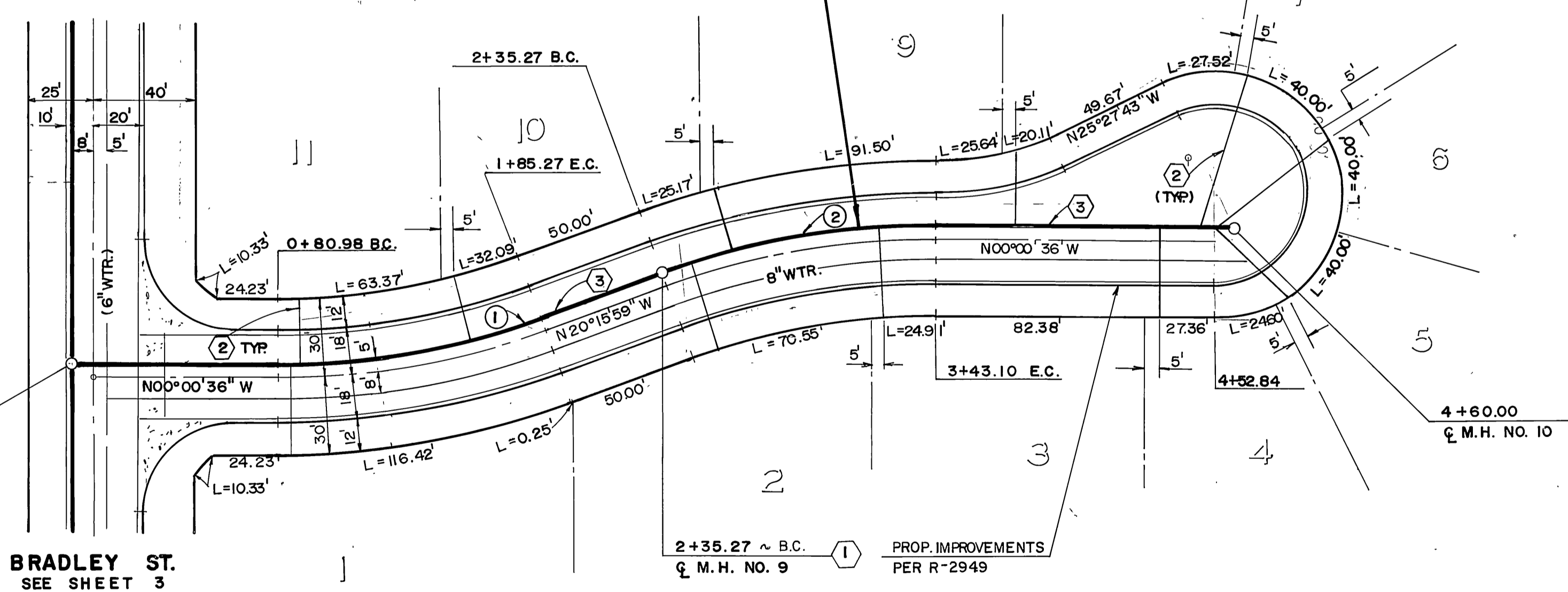
SEWER IMPROVEMENT PLANS  
**TRACT 20798**  
 BRADLEY STREET  
 STA. 19+37.28 TO STA. 26+00.70  
 PROJECT NO. S-1498  
 SHEET 3 OF 5  
 FILE NO. 8709925





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

BRADLEY ST.  
SEE SHEET 3



CURVE DATA

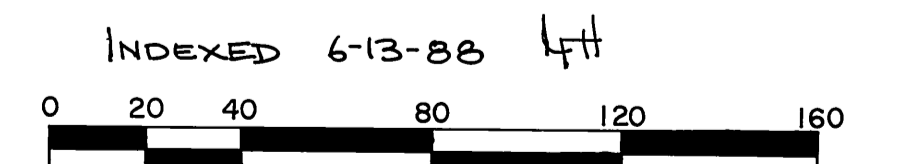
	DELTA	RADIUS	LENGTH	TANGENT
①	20°15'23"	295.00'	104.29'	52.70'
②	20°15'23"	305.00'	107.53'	54.48'

CONSTRUCTION NOTES

- ① CONSTRUCT MANHOLES PER CITY OF RIV. STD. DWG. 500
- ② CONSTRUCT 4" V.C.P. SWR. LATERALS PER CITY OF RIV. STD. DWG. 562.
- ③ CONSTRUCT 8" V.C.P.

WESTGATE COURT

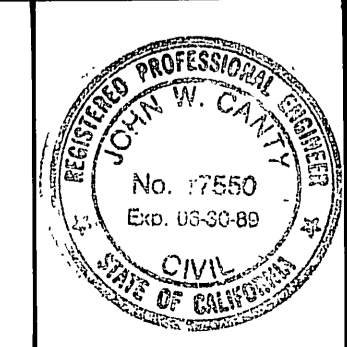
CITY OF RIVERSIDE  
WATER DEPARTMENT  
*Carl W. Davidson*  
APPROVED BY DATE 3/2/88



SEE SHEET 1 OF 5 FOR GENERAL NOTES

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:  
*John W. Canty*  
REGISTERED CIVIL ENGINEER NO. 17550  
EXPIRATION DATE 5-30-89 DATE: 10/9/87

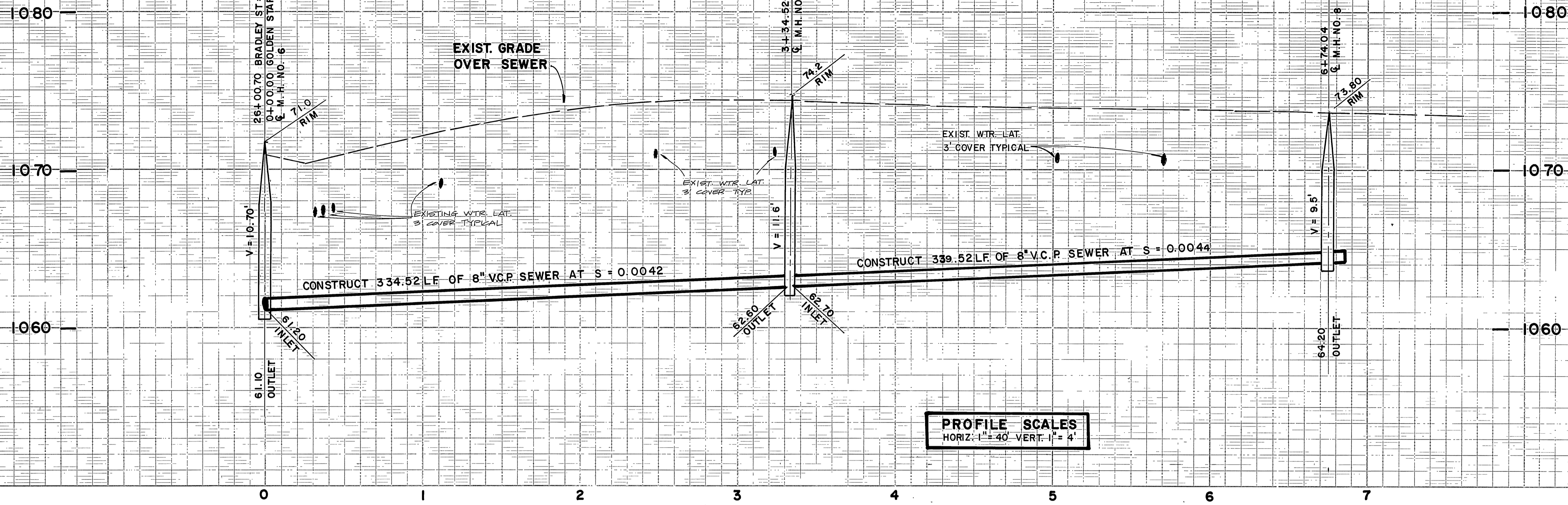
J.F. DAVIDSON ASSOCIATES, INC.  
CIVIL ENGINEERS • SURVEYORS • PLANNERS  
P.O. BOX 493 11200 SO. MT. VERNON AVE. #D 73-980 EL PASO, #103  
RIVERSIDE, CA 92502 COLTON, CA 92324 PALM DESERT, CA 92260  
(714) 686-0844 (714) 825-1082 (619) 346-5691

SCALE: PLAN: 1" = 40'  
DATE: AUGUST 1987  
BENCH MARK: BM F6-6 ELEV. 1029.59  
PK NAIL ON TOP OF CONCRETE VAULT ON THE WEST SIDE OF WASHINGTON 15' NORTHERLY OF C.L. OF MUIRFIELD ROAD PRODDED

CITY OF RIVERSIDE, CALIFORNIA  
DEPARTMENT OF PUBLIC WORKS  
APPROVED BY: *Barry Bell* DATE: 6/5/88  
TRAFFIC DIVISION: *W. Z.*  
CHIEF P.W. ENGR. DATE: 6/5/88

SEWER IMPROVEMENT PLANS  
TRACT 20798  
WESTGATE COURT  
STA. 0+00.00 TO STA. 4+55.88  
PROJECT NO. S-1498  
SHEET 4 OF 5  
FILE NO. 8709925

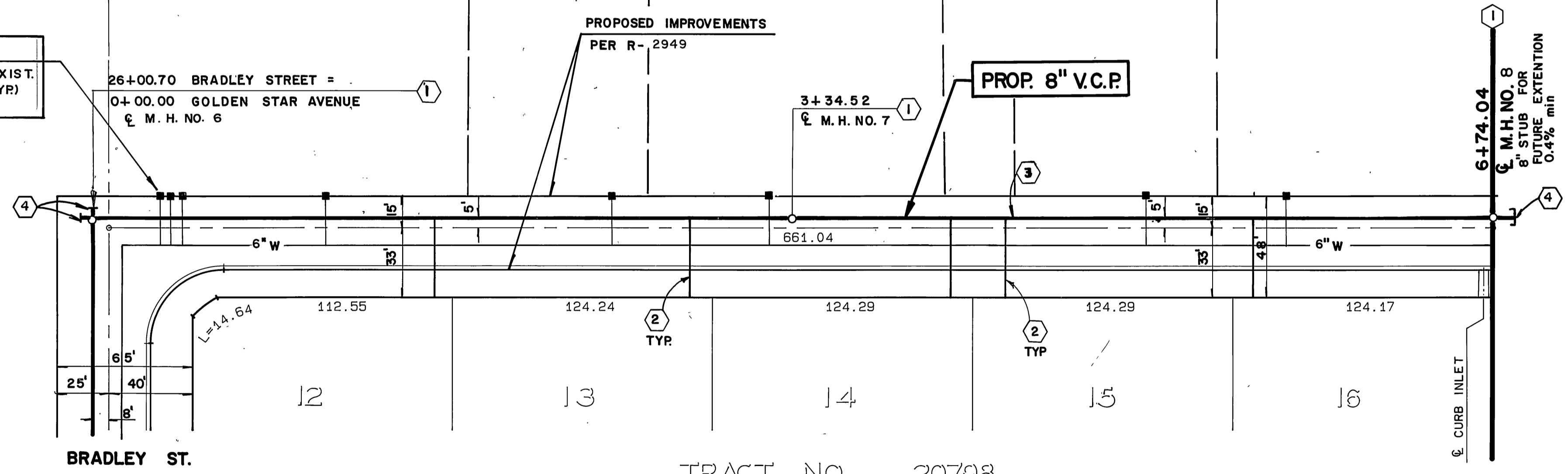




**PROFILE SCALES**  
 HORIZ. 1" = 40' VERT. 1" = 4'

A. P. N. 242-160-016      A. P. N. 242-160-015      A. P. N. 242-161-013      A. P. N. 242-160-012

**CAUTION**  
 APPROX. LOCATION OF EXIST. 1" WTR. SERVICE LINE (TYR) PROTECT IN PLACE



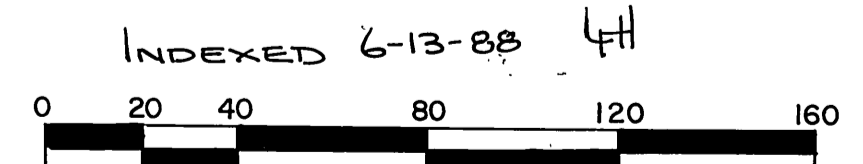
- CONSTRUCTION NOTES**
- ① CONSTRUCT MANHOLES PER CITY OF RIV. STD. DWG. 500
  - ② CONST. 4" VCP LATERALS PER CITY OF RIV. STD. DWG. 562
  - ③ CONSTRUCT 8" V.C.P.
  - ④ CONSTRUCT 8" STUB OUT WITH PLUG

**GOLDEN STAR AVENUE**

TRACT NO 20798

CITY OF RIVERSIDE OVERHEAD AND UNDERGROUND  
 BY: *John Johnson* ENGINEERING MANAGER ELECTRIC  
 DATE: 3-2-88

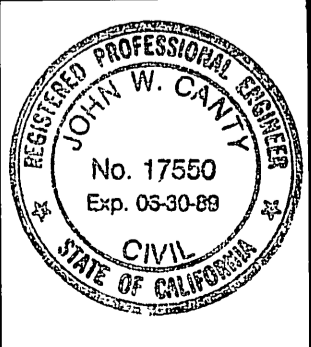
CITY OF RIVERSIDE WATER DEPARTMENT  
 APPROVED BY: *Carl Weingartner*  
 DATE: 3/2/88



SEE SHEET 10F5 FOR GENERAL NOTES

**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:  
*John W. Canby*  
 REGISTERED CIVIL ENGINEER NO. 17550  
 EXPIRATION DATE 6-30-89 DATE: 10/9/87

**J.F. DAVIDSON ASSOCIATES, INC.**  
 CIVIL ENGINEERS • SURVEYORS • PLANNERS  
 P.O. BOX 493 11200 SO. MT. VERNON AVE. #D 73-080 EL PASO, CA #103  
 RIVERSIDE, CA 92502 COLTON, CA 92324 PALM DESERT, CA 92260  
 (714) 686-0844 (714) 825-1082 (619) 346-5691

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 PK NAIL ON TOP OF CONCRETE VAULT ON THE WEST SIDE OF WASHINGTON 15' NORTHERLY OF C.L. OF MUIRFIELD ROAD PRODDED

MARK	REVISIONS	APPR.	DATE

DESIGNED BY: Y.Z. DRAWN BY: T.F.E. CHECKED BY: *[Signature]*

CITY OF RIVERSIDE, CALIFORNIA DEPARTMENT OF PUBLIC WORKS  
 APPROVED BY: *[Signature]* DATE: 6/5/88  
 CHIEF P. W. ENGR.

SEWER IMPROVEMENT PLANS  
**TRACT 20798**  
**GOLDEN STAR AVE.**  
 STA. 0+00.00 TO STA. 6+74.04

PROJECT NO. **S-1498**  
 SHEET **5** OF **5**  
 FILE NO. 8709925

HORIZ. SCALE: 1" = 40' VERT. SCALE: 1" = 4'