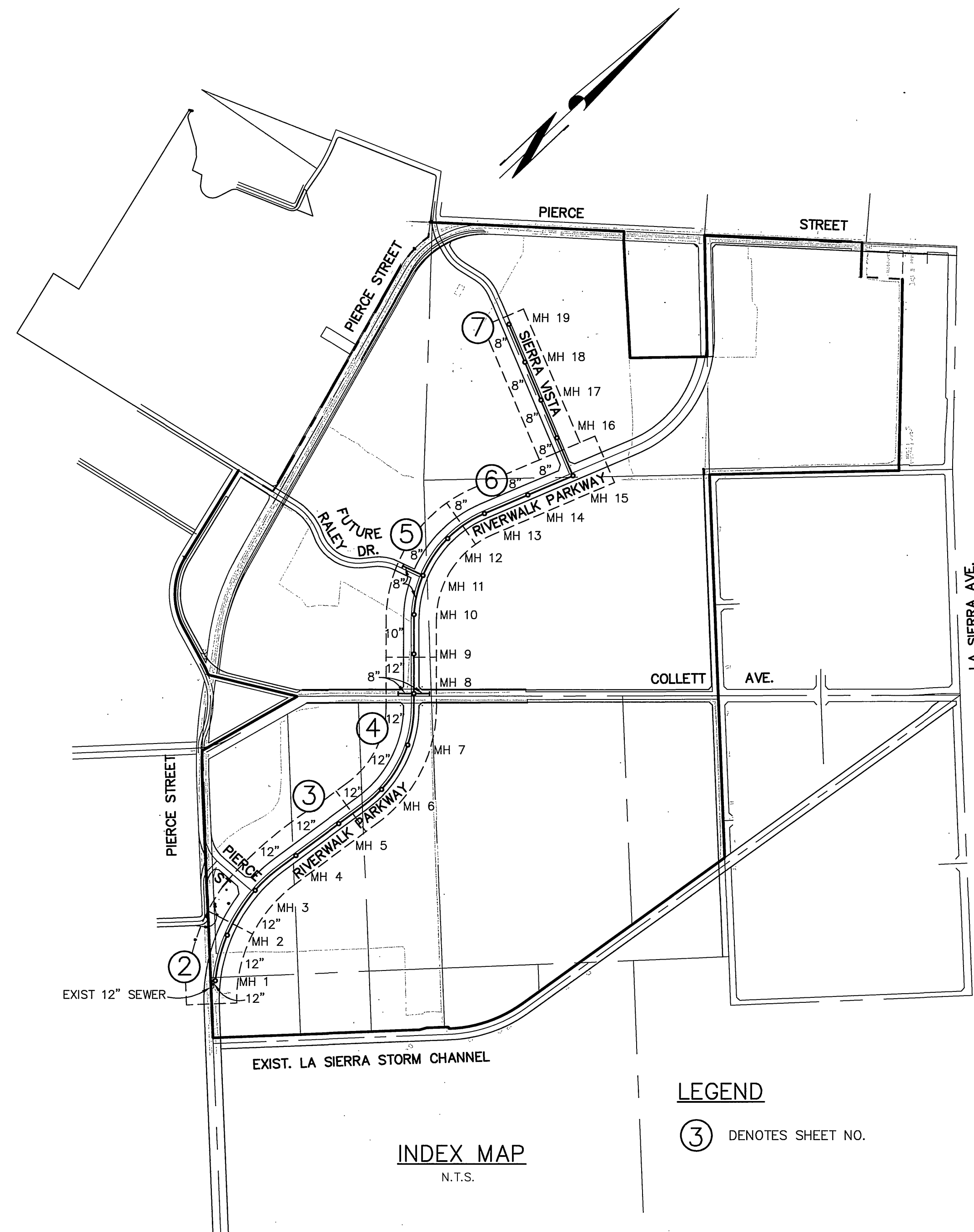
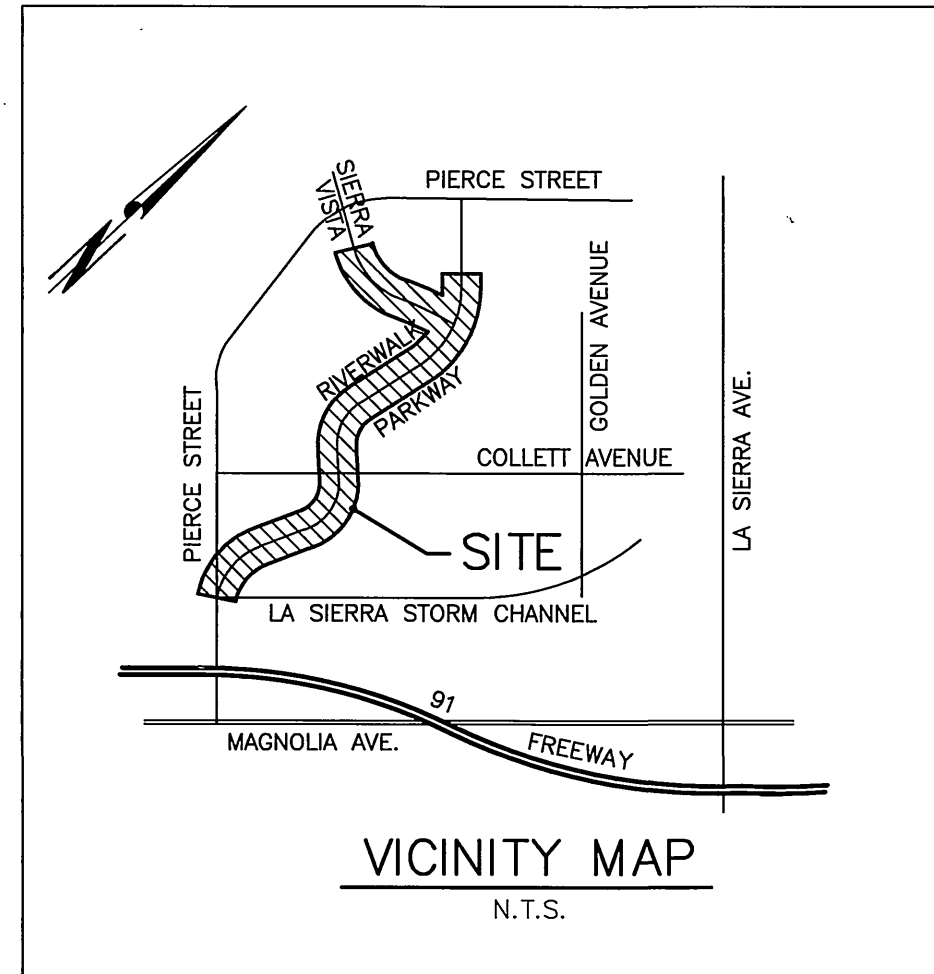


# IN THE CITY OF RIVERSIDE LA SIERRA UNIVERSITY SEWER IMPROVEMENT PLANS



**LEGEND**

- PROPOSED VCP SEWER MAIN
- PROPOSED SEWER MANHOLE

**CONSTRUCTION NOTES**

- ① CONSTRUCT 8" VCP EXTRA STRENGTH SEWER MAIN.
- ② CONSTRUCT 10" VCP EXTRA STRENGTH SEWER MAIN.
- ③ CONSTRUCT 12" VCP EXTRA STRENGTH SEWER MAIN.
- ④ CONSTRUCT SEWER MAIN BEDDING PER CITY OF RIVERSIDE STD DWG No 452 (CASE 1, LOAD FACTOR 1.5).
- ⑤ CONSTRUCT 48" ID MANHOLE PER CITY OF RIVERSIDE STD DWG No 500.
- ⑥ CONSTRUCT 8" DIP CL 350 SEWER MAIN

**BASIS OF BEARINGS**

BEARINGS ARE BASED UPON THE CENTERLINE OF SCHUYLER AVENUE AS SHOWN ON TRACT 6763-1 BY MAP ON FILE IN BOOK 87 OF MAPS AT PAGES 42-45 THEREOF, RECORDS OF RIVERSIDE COUNTY, CALIFORNIA, AS BEING N.56°49'50"E.

**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, its Supplemental Notes and the Standard Specifications for Public Works Construction, Current Edition.
4. Contractor is to verify existing sewer elevation prior to construction.
5. The sewer contractor shall adjust manholes to final grade after paving is completed.
6. 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.
7. Any traffic control striping obliterated and/or badly worn during construction shall be restored by the contractor within five days after notification from the City inspectors.
8. All flagged elevations shall be staked in the field by the private engineer.
9. 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.
10. 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.
11. 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.
15. Prior to construction the contractor shall pothole all utility crossing and connections and verify the location and elevation of all utilities affected. The engineer shall be notified of any discrepancies before construction begins.
16. No person shall perform any construction activity or install any objects within the public rights-of-way or easements of the City of Riverside without a valid Construction permit or, a Street Opening permit or an Encroachment permit issued by the City's Public Works Department.
17. On all areas within public right-of-way where the fill is one (1) foot or greater, a letter will be required from the soils engineer, certifying the compaction of the fill below subgrade, prior to issuance of the Construction Permit/Cut Sheets.

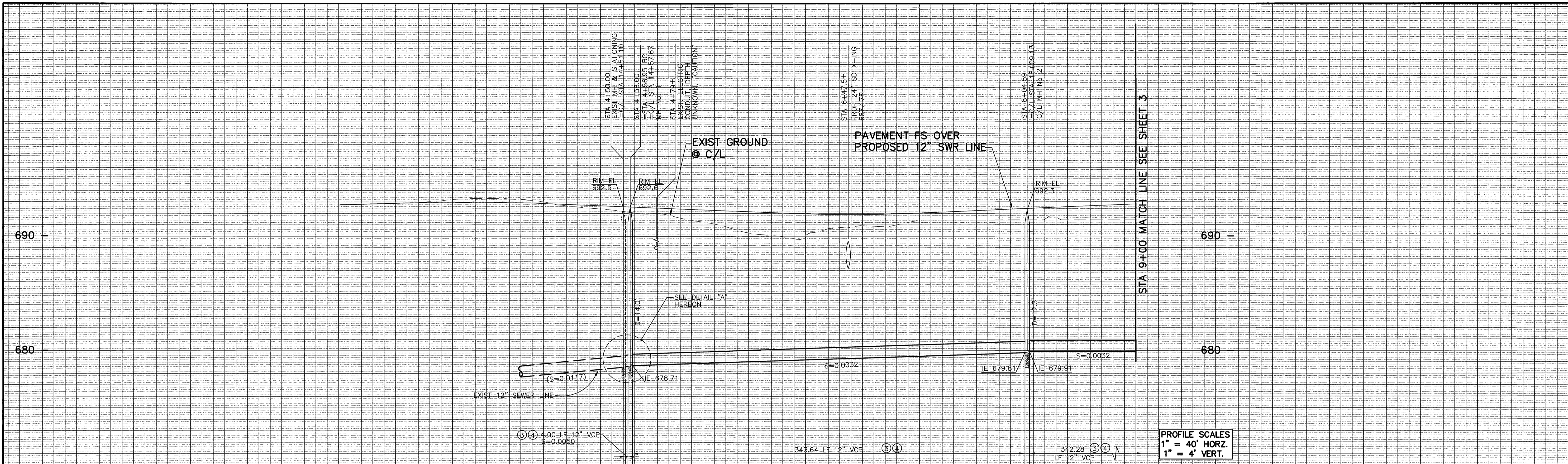
CITY OF RIVERSIDE  
PUBLIC UTILITIES DEPT.-ELECTRIC  
OVERHEAD & UNDERGROUND

*Buttman* 8-3-00  
APPROVED BY: DATE:

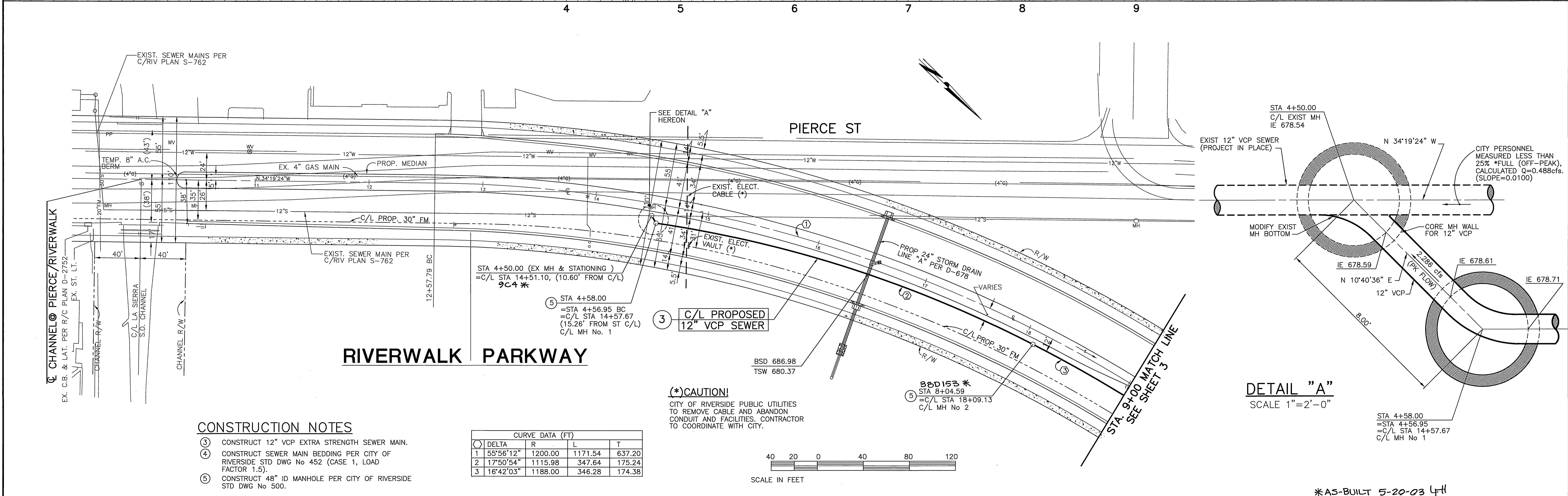
\* AS-BUILT 5-20-03 Lfh

<p>Underground Service Alert</p> <p>Call: TOLL FREE</p> <p style="text-align: center;">1 - 800 227 - 2600</p> <p>TWO WORKING DAYS BEFORE YOU DIG</p>	<p><b>PRIVATE ENGINEERING NOTE</b></p> <p>CONSTRUCTION CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, CONSTRUCTION CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR THE 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, EXCEPT LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF DESIGN PROFESSIONAL.</p>		<p>PREPARED UNDER THE DIRECTION OF:</p> <p><i>John W. Gant</i></p> <p>REGISTERED CIVIL ENGINEER NO. 17550</p> <p>EXPIRATION DATE: 6-30-01 DATE: 8/1/00</p>	<p><b>CEG</b> CANTY ENGINEERING GROUP, INC.</p> <p>CIVIL ENGINEERING - PLANNING - SURVEYING</p> <p>2020 IOWA AVENUE, SUITE 102, P.O. BOX 52050, RIVERSIDE, CA 92517</p> <p>TEL (909) 683 - 5234 FAX (909) 683 - 5301</p> <p>CITY OF RIV. BUSINESS TAX ACCT. NO. 69372 EXP. DATE 04-07-00</p> <p>SCALE: AS SHOWN BENCH MARK: CITY OF RIV. B.M. E2-M3, PK NAIL &amp; CITY ENGINEER TAG IN N'LY C.B. WING, W'LY CURB OF PIERCE ST. 1300' S'LY OF AMBS DR. ELEV.=694.231</p> <p>DATE: FEB. 2000</p>	<p>MARK</p> <p>DESIGNED BY: A.B.I. DRAWN BY: C.A. CHECKED BY: J.W.C.</p> <p>REVISIONS</p> <p>APPR. DATE</p>	<p>CITY OF RIVERSIDE, CALIFORNIA DEPARTMENT OF PUBLIC WORKS</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>APPROVED BY</td> <td>BY</td> <td>DATE</td> <td>APPROVED BY</td> </tr> <tr> <td>PRINCIPAL ENGR.</td> <td><i>R. Mc Grath</i></td> <td></td> <td><i>R. Mc Grath</i></td> </tr> <tr> <td>PARK DEPARTMENT</td> <td>-</td> <td></td> <td>DIRECTOR OF PUBLIC WORKS</td> </tr> <tr> <td>TRAFFIC DIVISION</td> <td>-</td> <td></td> <td></td> </tr> <tr> <td>DEPUTY P.W.</td> <td><i>RFB</i></td> <td>9/7/00</td> <td>DATE 9-7-2000</td> </tr> <tr> <td>DIRECTOR - ENGR.</td> <td></td> <td></td> <td></td> </tr> </table>	APPROVED BY	BY	DATE	APPROVED BY	PRINCIPAL ENGR.	<i>R. Mc Grath</i>		<i>R. Mc Grath</i>	PARK DEPARTMENT	-		DIRECTOR OF PUBLIC WORKS	TRAFFIC DIVISION	-			DEPUTY P.W.	<i>RFB</i>	9/7/00	DATE 9-7-2000	DIRECTOR - ENGR.				<p>LA SIERRA UNIVERSITY SEWER IMPROVEMENT PLANS TRACT 29058 TITLE SHEET</p> <p>FOR: GRIFFIN INDUSTRIES</p>	<p>PROJECT NO.</p> <p style="font-size: 24pt; font-weight: bold;">S-1733</p> <p>SHEET 1 OF 7</p> <p>FILE NO.: 1104-001</p>
APPROVED BY	BY	DATE	APPROVED BY																													
PRINCIPAL ENGR.	<i>R. Mc Grath</i>		<i>R. Mc Grath</i>																													
PARK DEPARTMENT	-		DIRECTOR OF PUBLIC WORKS																													
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INDEXED 9-12-2000 Lfh



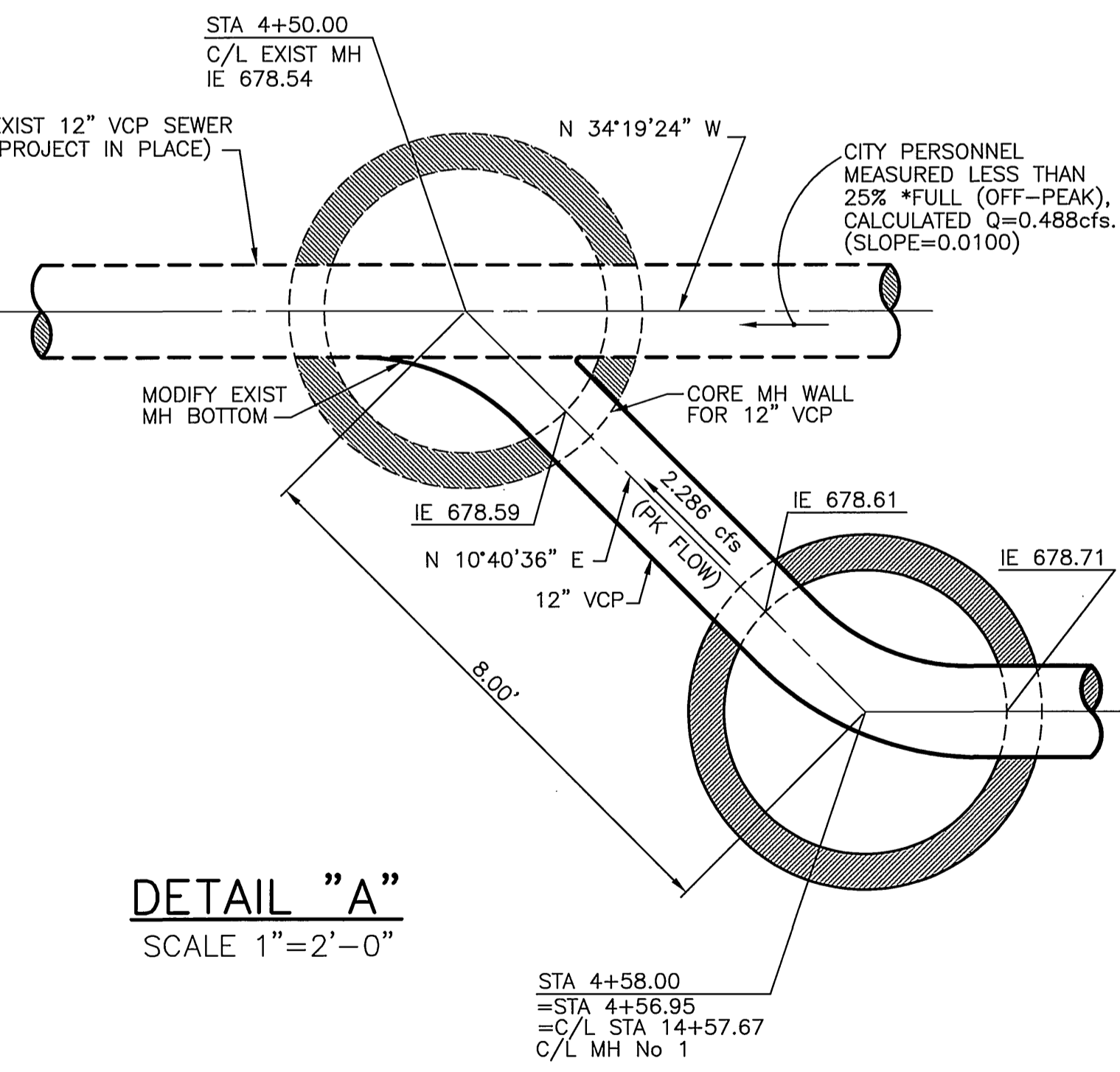
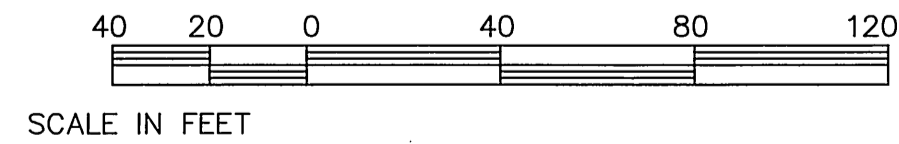
PROFILE SCALES  
 1" = 40' HORZ.  
 1" = 4' VERT.



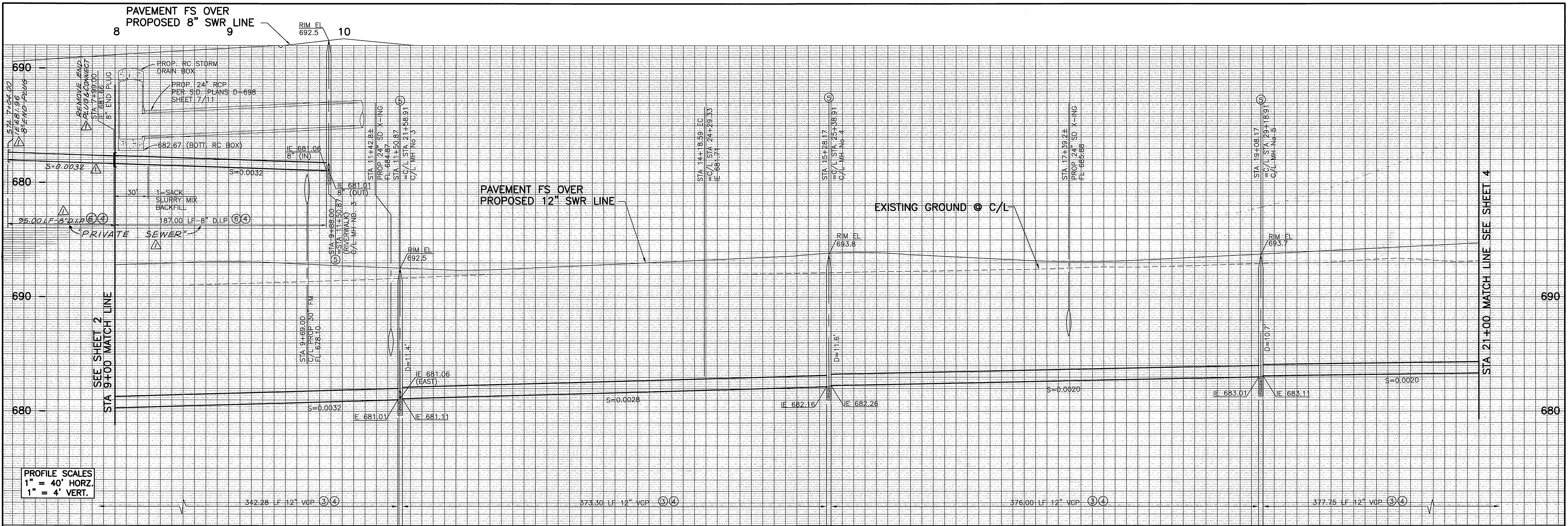
- CONSTRUCTION NOTES**
- ③ CONSTRUCT 12" VCP EXTRA STRENGTH SEWER MAIN.
  - ④ CONSTRUCT SEWER MAIN BEDDING PER CITY OF RIVERSIDE STD DWG No 452 (CASE 1, LOAD FACTOR 1.5).
  - ⑤ CONSTRUCT 48" ID MANHOLE PER CITY OF RIVERSIDE STD DWG No 500.

CURVE DATA (FT)			
DELTA	R	L	T
1 55°56'12"	1200.00	1171.54	637.20
2 17°50'54"	1115.98	347.64	175.24
3 16°42'03"	1188.00	346.28	174.38

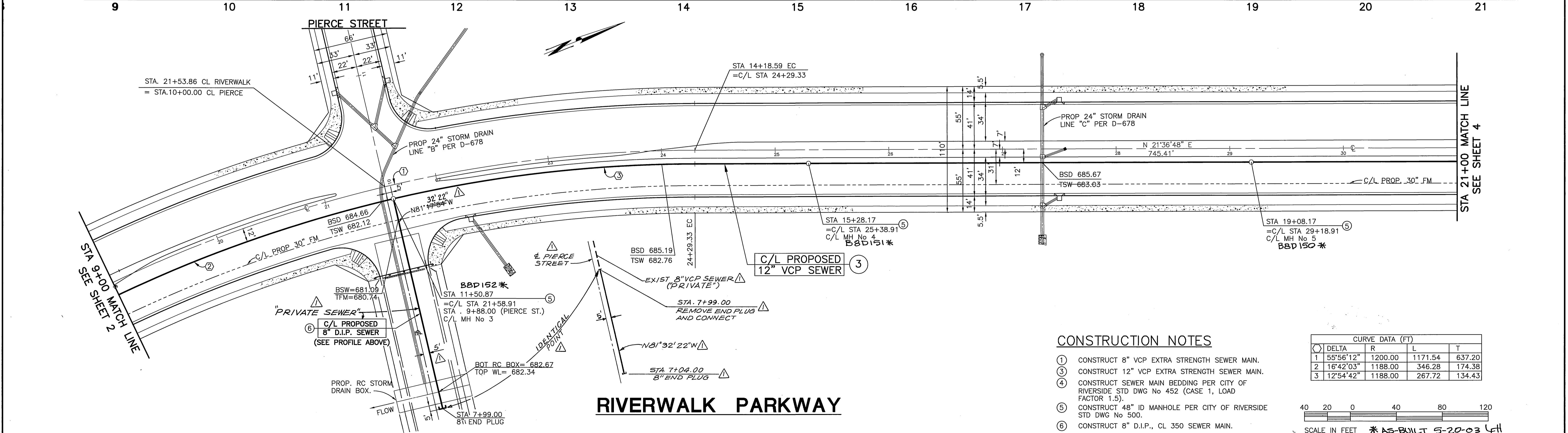
(\*CAUTION!)  
 CITY OF RIVERSIDE PUBLIC UTILITIES TO REMOVE CABLE AND ABANDON CONDUIT AND FACILITIES. CONTRACTOR TO COORDINATE WITH CITY.



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 OBTAIN INSURANCE 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. 17850 EXPIRATION DATE: 6-30-01 DATE: 8/5/00	 <b>CEG</b> CANTY ENGINEERING GROUP, INC. CIVIL ENGINEERING - PLANNING - SURVEYING 2020 IOWA AVENUE, SUITE 102, 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 04-07-00	CITY OF RIVERSIDE, CALIFORNIA DEPARTMENT OF PUBLIC WORKS APPROVED BY: DIRECTOR OF PUBLIC WORKS DATE: 9-7-2000	IN THE CITY OF RIVERSIDE LA SIERRA UNIVERSITY TRACT 02958 <b>SEWER PLANS</b> RIVERWALK PARKWAY STA 4+50 TO STA 9+00 FOR: GRIFFIN INDUSTRIES	PROJECT NO. <b>S-1733</b> SHEET <b>2</b> OF <b>7</b> FILE NO.: 1104-001



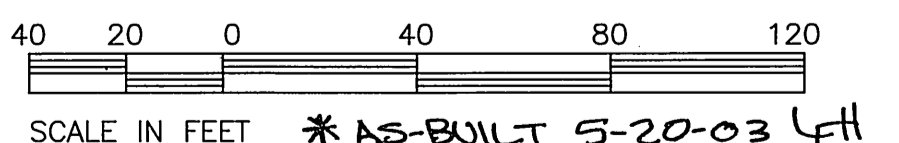
PROFILE SCALES  
 1" = 40' HORZ.  
 1" = 4' VERT.



**CONSTRUCTION NOTES**

- ① CONSTRUCT 8" VCP EXTRA STRENGTH SEWER MAIN.
- ② CONSTRUCT 24" STORM DRAIN PER D-678.
- ③ CONSTRUCT 12" VCP EXTRA STRENGTH SEWER MAIN.
- ④ CONSTRUCT SEWER MAIN BEDDING PER CITY OF RIVERSIDE STD DWG No 452 (CASE 1, LOAD FACTOR 1.5).
- ⑤ CONSTRUCT 48" ID MANHOLE PER CITY OF RIVERSIDE STD DWG No 500.
- ⑥ CONSTRUCT 8" D.I.P., CL 350 SEWER MAIN.

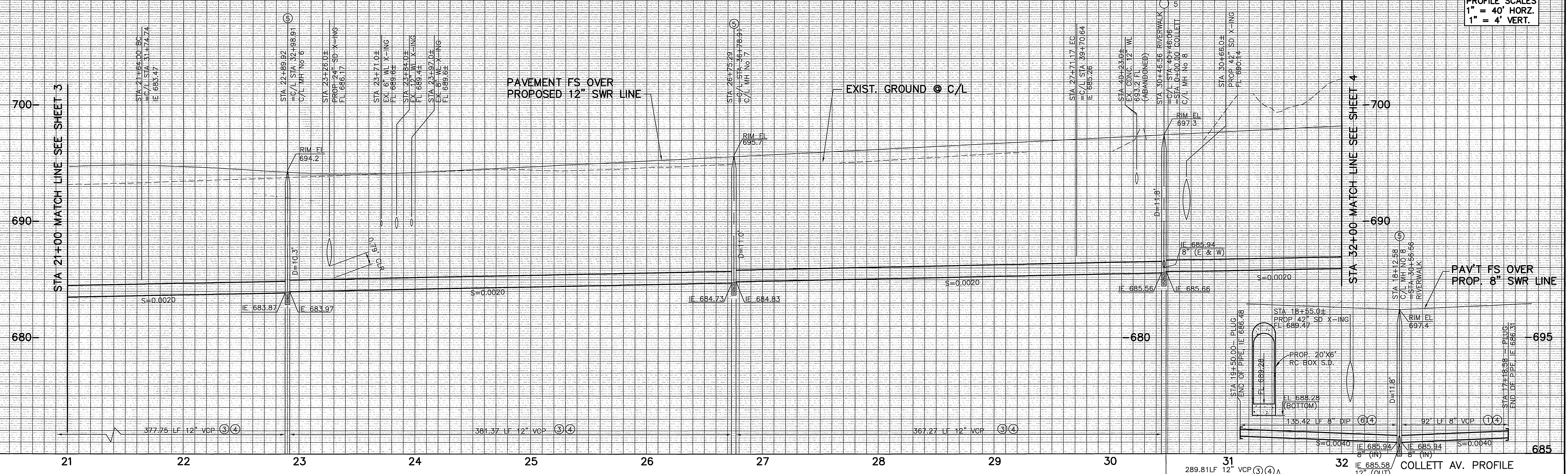
CURVE DATA (FT)			
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2 16°42'03"	1188.00	346.28	174.38
3 12°54'42"	1188.00	267.72	134.43



<p>Underground Service Alert</p> <p>Call: TOLL FREE 1 - 800 227-2600</p> <p>TWO WORKING DAYS BEFORE YOU DIG</p>	<p>PRIVATE ENGINEERING NOTE</p> <p>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.</p>	<p>PREPARED UNDER THE DIRECTION OF:</p> <p><i>John W. Canty</i></p> <p>REGISTERED CIVIL ENGINEER No. 17550</p> <p>EXPIRATION DATE: 6-30-01 DATE: 8/21/00</p>	<p><b>CEC</b> CANTY ENGINEERING GROUP, INC.</p> <p>CIVIL ENGINEERING - PLANNING - SURVEYING</p> <p>2020 IOWA AVENUE, SUITE 102, P.O. BOX 52050, RIVERSIDE, CA 92517</p> <p>TEL (909) 683 - 5234 FAX (909) 683 - 5301</p> <p>CITY OF RIV. BUSINESS TAX ACCT. NO. 69372 EXP. DATE 04-07-00</p> <p>SCALE: 1"=40' BENCH MARK: CITY OF RIV. B.M. E2-M3, PK NAIL &amp; CITY ENGINEER TAG IN N'LY C.B. WING, W'LY CURB OF PIERCE ST. 1300' S'LY OF AMBS DR. ELEV=684.231</p> <p>DATE: FEB. 2000</p>	<p>CITY OF RIVERSIDE, CALIFORNIA DEPARTMENT OF PUBLIC WORKS</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>APPROVED BY</td> <td>BY</td> <td>DATE</td> <td>APPROVED BY</td> </tr> <tr> <td>PRINCIPAL ENGR.</td> <td><i>R. M. Smith</i></td> <td></td> <td><i>R. M. Smith</i></td> </tr> <tr> <td>PARK DEPARTMENT</td> <td></td> <td></td> <td>DIRECTOR OF PUBLIC WORKS</td> </tr> <tr> <td>TRAFFIC DIVISION</td> <td></td> <td></td> <td></td> </tr> <tr> <td>DEPUTY P.W.</td> <td></td> <td></td> <td></td> </tr> <tr> <td>DIRECTOR-ENGR.</td> <td><i>R.B. 9/20/00</i></td> <td>DATE 9-7-2000</td> <td></td> </tr> </table>	APPROVED BY	BY	DATE	APPROVED BY	PRINCIPAL ENGR.	<i>R. M. Smith</i>		<i>R. M. Smith</i>	PARK DEPARTMENT			DIRECTOR OF PUBLIC WORKS	TRAFFIC DIVISION				DEPUTY P.W.				DIRECTOR-ENGR.	<i>R.B. 9/20/00</i>	DATE 9-7-2000		<p>IN THE CITY OF RIVERSIDE LA SIERRA UNIVERSITY TRACT 29058</p> <p><b>SEWER PLANS</b> RIVERWALK PARKWAY STA. 9+00 TO 21+00</p> <p>FOR: GRIFFIN INDUSTRIES</p> <p>PROJECT NO. <b>S-1733</b></p> <p>SHEET <b>3</b> OF 7</p> <p>FILE NO.: 1104-001</p>
APPROVED BY	BY	DATE	APPROVED BY																										
PRINCIPAL ENGR.	<i>R. M. Smith</i>		<i>R. M. Smith</i>																										
PARK DEPARTMENT			DIRECTOR OF PUBLIC WORKS																										
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DIRECTOR-ENGR.	<i>R.B. 9/20/00</i>	DATE 9-7-2000																											

INDEXED 9-12-2000 LKH

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

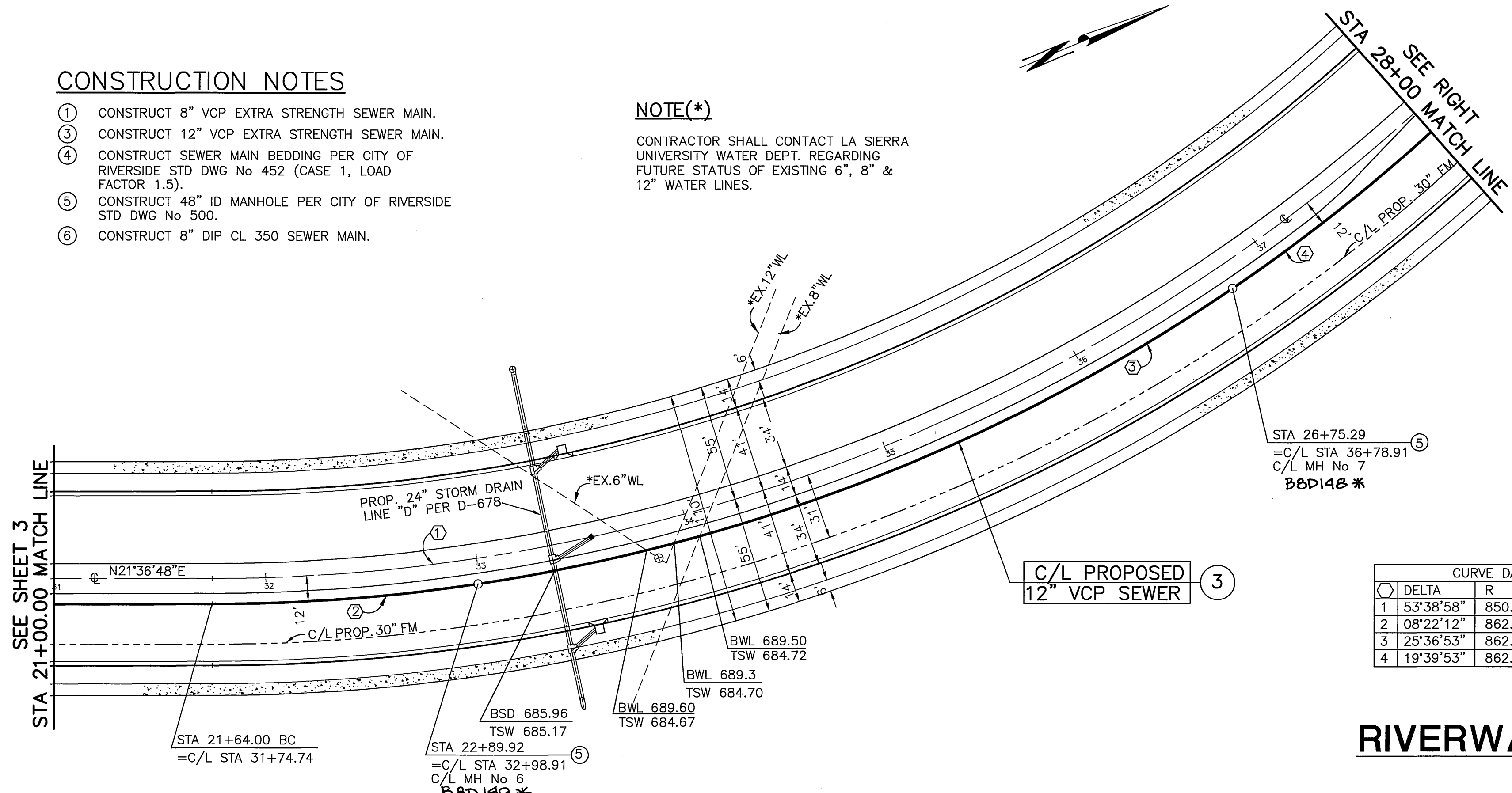


**CONSTRUCTION NOTES**

- ① CONSTRUCT 8" VCP EXTRA STRENGTH SEWER MAIN.
- ② CONSTRUCT 12" VCP EXTRA STRENGTH SEWER MAIN.
- ③ CONSTRUCT SEWER MAIN BEDDING PER CITY OF RIVERSIDE STD DWG No 452 (CASE 1, LOAD FACTOR 1.5).
- ④ CONSTRUCT 48" ID MANHOLE PER CITY OF RIVERSIDE STD DWG No 500.
- ⑤ CONSTRUCT 8" DIP CL 350 SEWER MAIN.

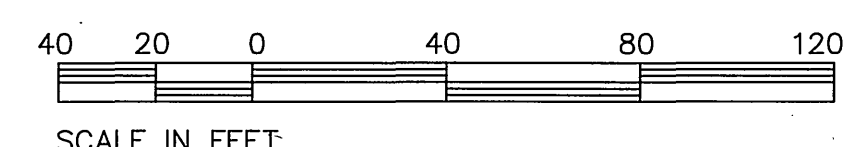
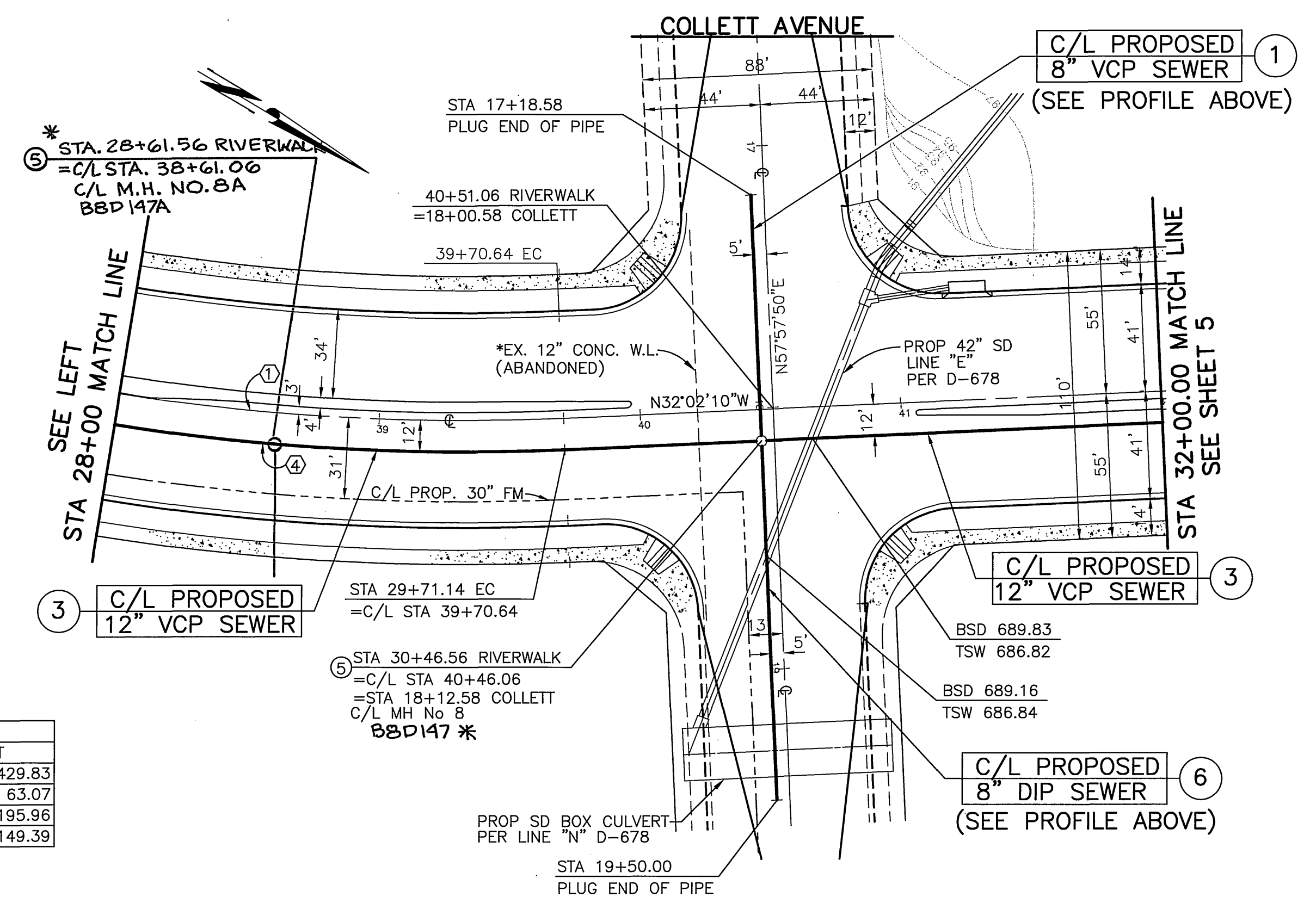
**NOTE(\*)**

CONTRACTOR SHALL CONTACT LA SIERRA UNIVERSITY WATER DEPT. REGARDING FUTURE STATUS OF EXISTING 6", 8" & 12" WATER LINES.



**CURVE DATA (FT)**

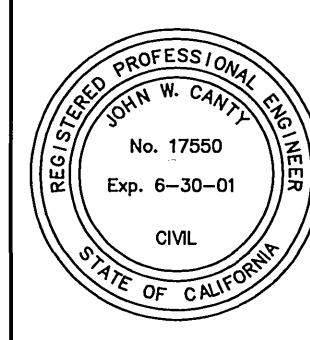
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3	25'36"53"	862.00	385.37 195.96
4	19'39"53"	862.00	295.85 149.39



\* AS-BUILT 5-20-03 LfH

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:  
*John W. Canty*  
REGISTERED CIVIL ENGINEER No. 17550  
EXPIRATION DATE: 6-30-01 DATE: 8/3/06

**CEC CANTY ENGINEERING GROUP, INC.**  
CIVIL ENGINEERING - PLANNING - SURVEYING  
2020 IOWA AVENUE, SUITE 102, 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 04-07-00  
SCALE: 1"=40'  
BENCH MARK: CITY OF RIV. B.M. E2-M3, PK NAIL & CITY ENGINEER TAG IN N'LY C.B. WING, W'LY CURB OF PIERCE ST. 1300' S'LY OF AMBS DR. ELEV.=684.231  
DATE: FEB. 2000

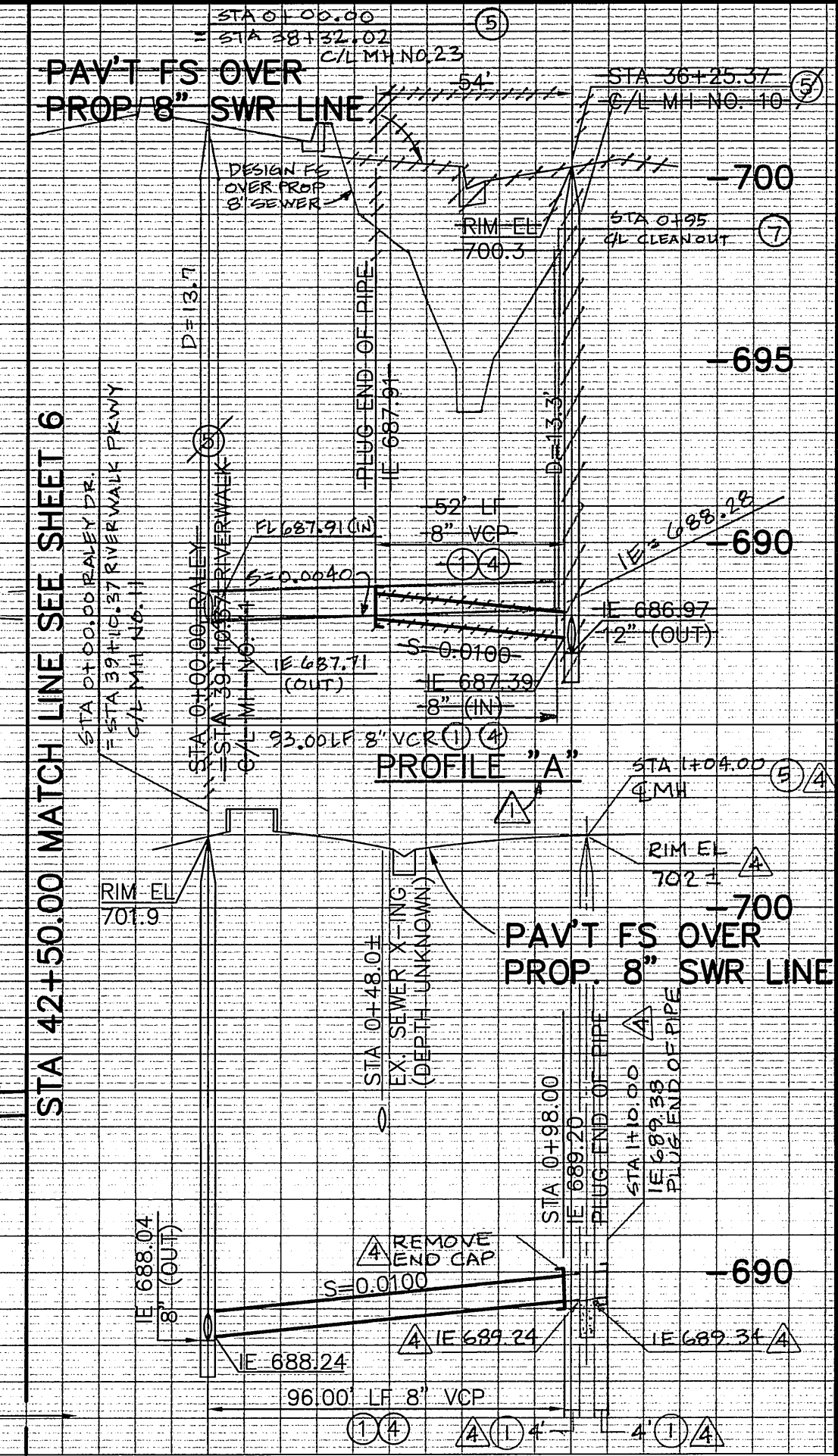
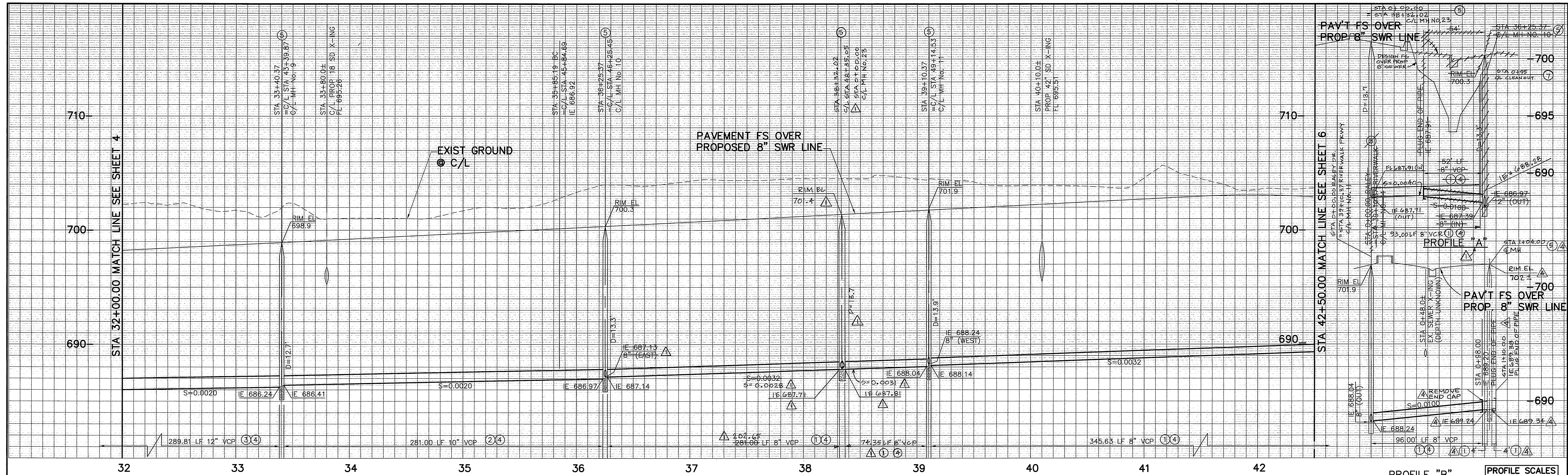
MARK	REVISIONS	APPR.	DATE

DESIGNED BY: A.B.I. DRAWN BY: C.A. CHECKED BY: J.W.C. DATE: 9-7-2000

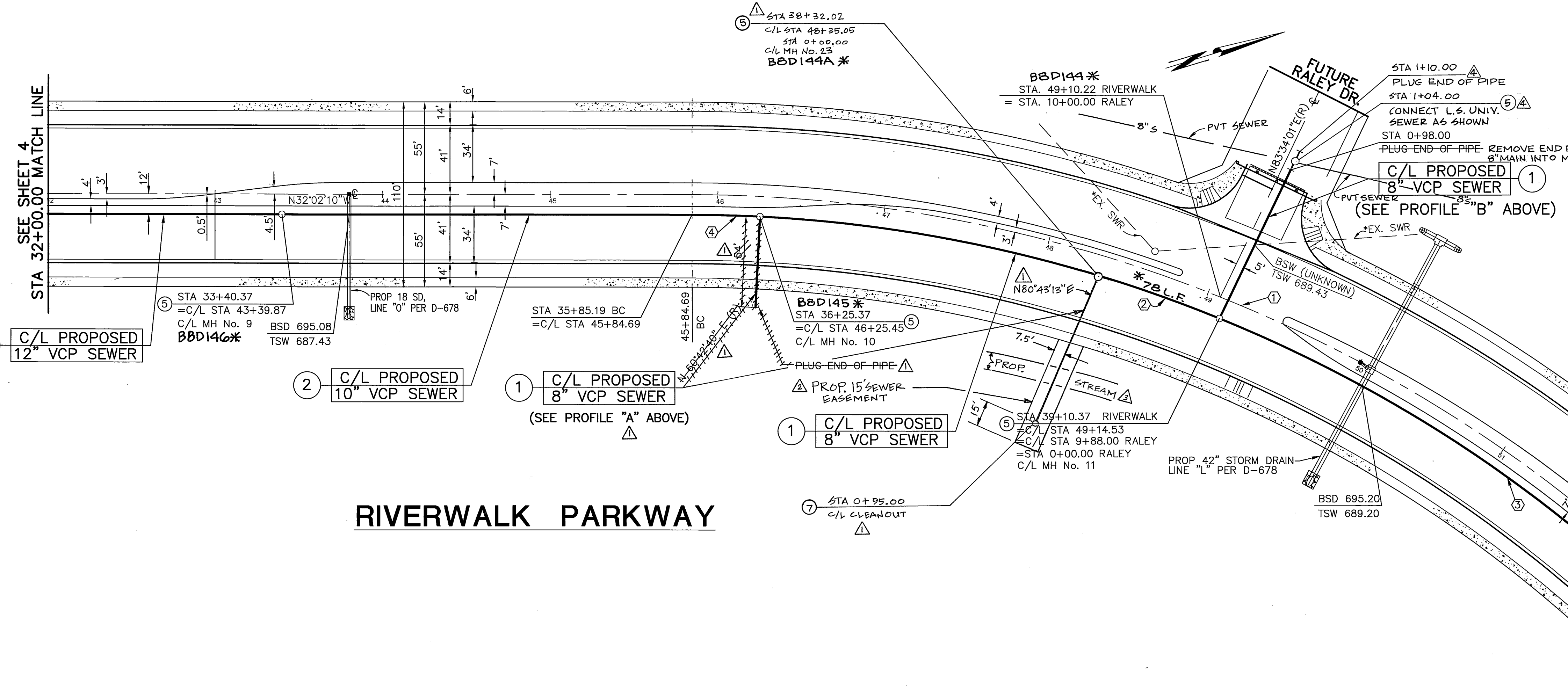
CITY OF RIVERSIDE, CALIFORNIA  
DEPARTMENT OF PUBLIC WORKS  
APPROVED BY: *R. McElraith*  
PRINCIPAL ENGR. DATE: 9-7-2000  
TRAFFIC DIVISION: *TRC*  
DEPUTY P.W. DIRECTOR-ENGR.

IN THE CITY OF RIVERSIDE  
LA SIERRA UNIVERSITY  
TRACT 29058  
SEWER PLANS  
RIVERWALK PARKWAY  
STA 21+00 TO STA 32+00  
FOR: GRIFFIN INDUSTRIES

PROJECT NO.  
**S-1733**  
SHEET **4** OF 7  
FILE NO.: 1104-001  
INDEXED 9-12-2000 LfH



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

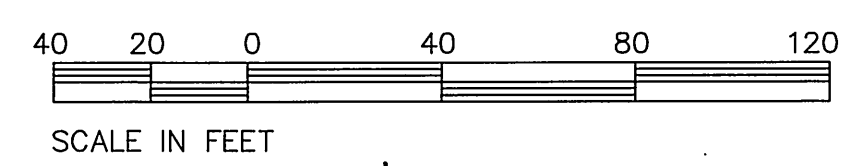


NOTE(\*)  
 CONTRACTOR SHALL CONTACT PUBLIC WORKS DEPT. REGARDING FUTURE STATUS OF EXISTING SEWER LINES.

CONSTRUCTION NOTES

- ① CONSTRUCT 8" VCP EXTRA STRENGTH SEWER MAIN.
- ② CONSTRUCT 10" VCP EXTRA STRENGTH SEWER MAIN.
- ③ CONSTRUCT 12" VCP EXTRA STRENGTH SEWER MAIN.
- ④ CONSTRUCT SEWER MAIN BEDDING PER CITY OF RIVERSIDE STD DWG No 452 (CASE 1, LOAD FACTOR 1.5).
- ⑤ CONSTRUCT 48" ID MANHOLE PER CITY OF RIVERSIDE STD DWG No 500.
- ⑥ CONSTRUCT SEWER CLEAN OUT PER CITY OF RIVERSIDE STD DWG No 560.

CURVE DATA (FT)			
Δ	R	L	T
1	66°59'22"	850.00	993.81 562.49
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3	23°54'18"	838.00	349.63 177.40
4	02°44'50"	838.00	40.18 20.09

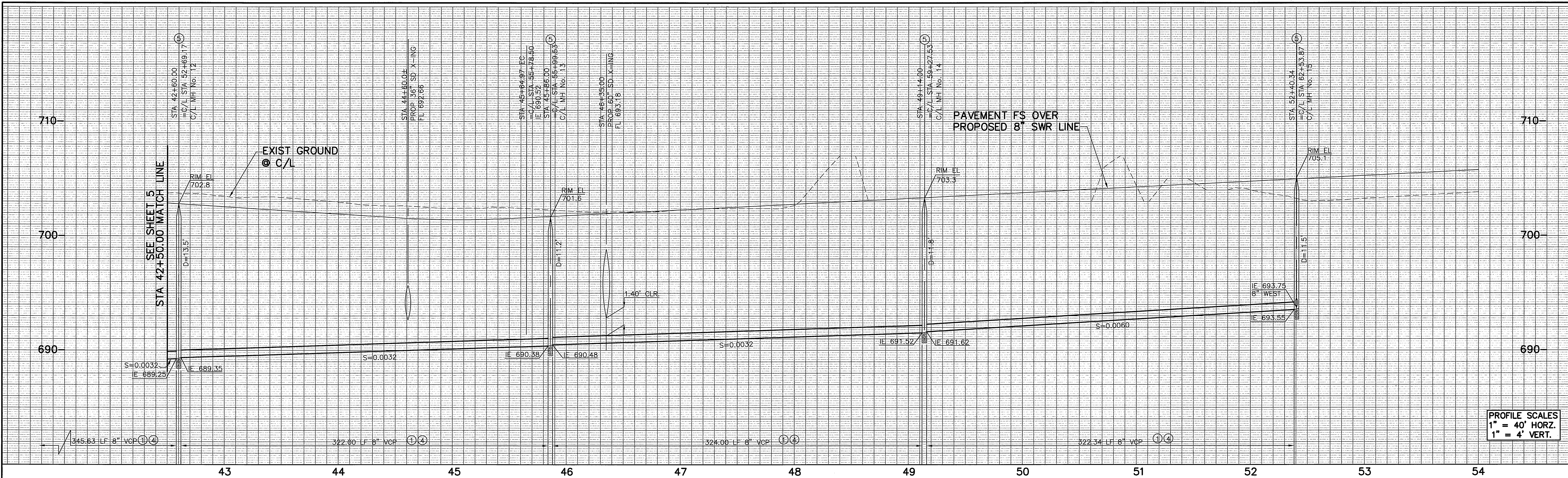


SCALE IN FEET  
 \*AS-BUILT 5-20-03 LHM

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 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. 17550 EXPIRATION DATE: 6-30-01 DATE: 8/2/04	 <b>CANTY ENGINEERING GROUP, INC.</b> CIVIL ENGINEERING - PLANNING - SURVEYING 2020 IOWA AVENUE, SUITE 102, 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 04-07-00 SCALE: 1"=40' DATE: FEB. 2000 BENCH MARK: CITY OF RIV. B.M. E2-M3, PK NAIL & CITY ENGINEER TAG IN N'LY C.B. WING, W'LY CURB OF PIERCE ST. 1300' S'LY OF AMBS DR. ELEV=684.231	CITY OF RIVERSIDE, CALIFORNIA DEPARTMENT OF PUBLIC WORKS APPROVED BY: PRINCIPAL ENGR. PARK DEPARTMENT PARK DEPARTMENT TRAFFIC DIVISION DEPUTY P.W. DIRECTOR - ENGR. DATE: 9-7-2000	IN THE CITY OF RIVERSIDE <b>LA SIERRA UNIVERSITY</b> TRACT 29058 SEWER PLANS RIVERWALK PARKWAY STA 32+00 TO 42+50 FOR: GRIFFIN INDUSTRIES	PROJECT NO. <b>S-1733</b> SHEET <b>5</b> OF <b>7</b> FILE NO.: 1104-001
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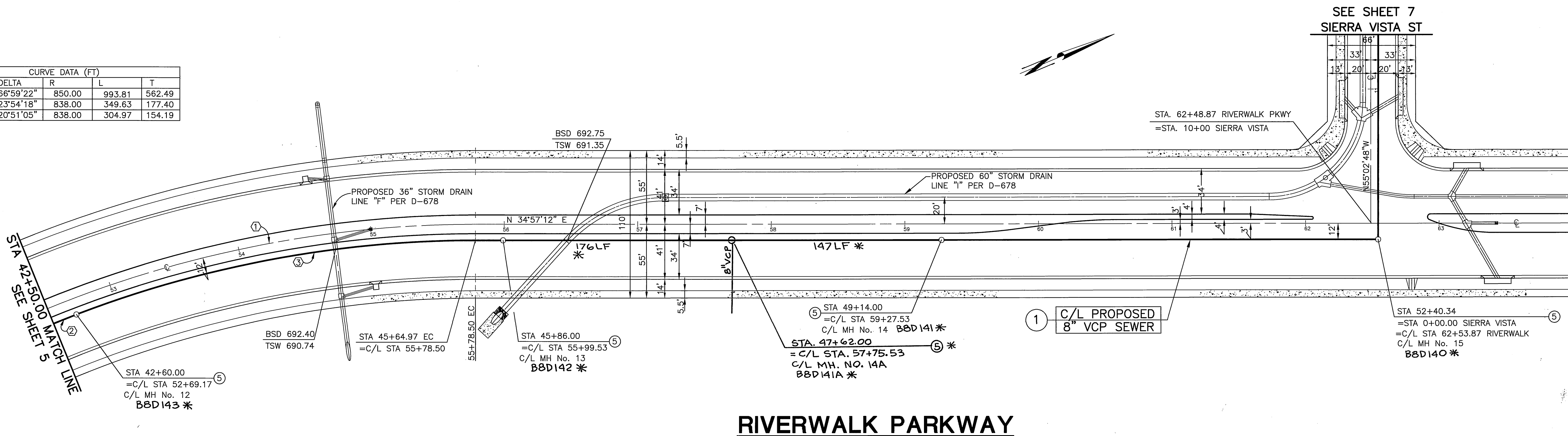
H:\CEG CLIENT\DIRECTOR\GRIFFIN INDUSTRIES\LaSierra\sewer\5\_sw\_7.dwg Mon Jul 31 14:25:15 2000 CEG / M.MENI

INDEXED 9-12-2000 LHM



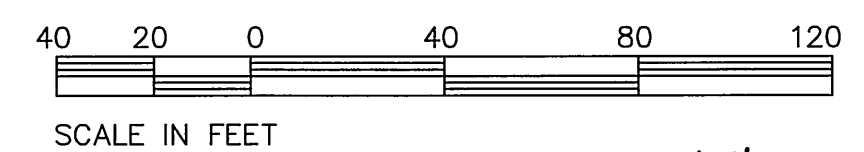
PROFILE SCALES  
 1" = 40' HORZ.  
 1" = 4' VERT.

CURVE DATA (FT)				
Δ	DELTA	R	L	T
1	66°59'22"	850.00	993.81	562.49
2	23°54'18"	838.00	349.63	177.40
3	20°51'05"	838.00	304.97	154.19



**CONSTRUCTION NOTES**

- ① CONSTRUCT 8" VCP EXTRA STRENGTH SEWER MAIN.
- ④ CONSTRUCT SEWER MAIN BEDDING PER CITY OF RIVERSIDE STD DWG No 452 (CASE 1, LOAD FACTOR 1.5).
- ⑤ CONSTRUCT 48" ID MANHOLE PER CITY OF RIVERSIDE STD DWG No 500.



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 1 - 800  
 227-2600  
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PREPARED UNDER THE DIRECTION OF:  
*John W. Canty*  
 REGISTERED CIVIL ENGINEER NO. 17550  
 EXPIRATION DATE: 6-30-01 DATE: 2/1/00

**CEG CANTY ENGINEERING GROUP, INC.**  
 CIVIL ENGINEERING - PLANNING - SURVEYING  
 2020 IOWA AVENUE, SUITE 102, P.O. BOX 52050, RIVERSIDE, CA 92517  
 TEL (909) 683 - 5234 FAX (909) 683 - 5301  
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 DATE: FEB. 2000

MARK	REVISIONS	APPR.	DATE

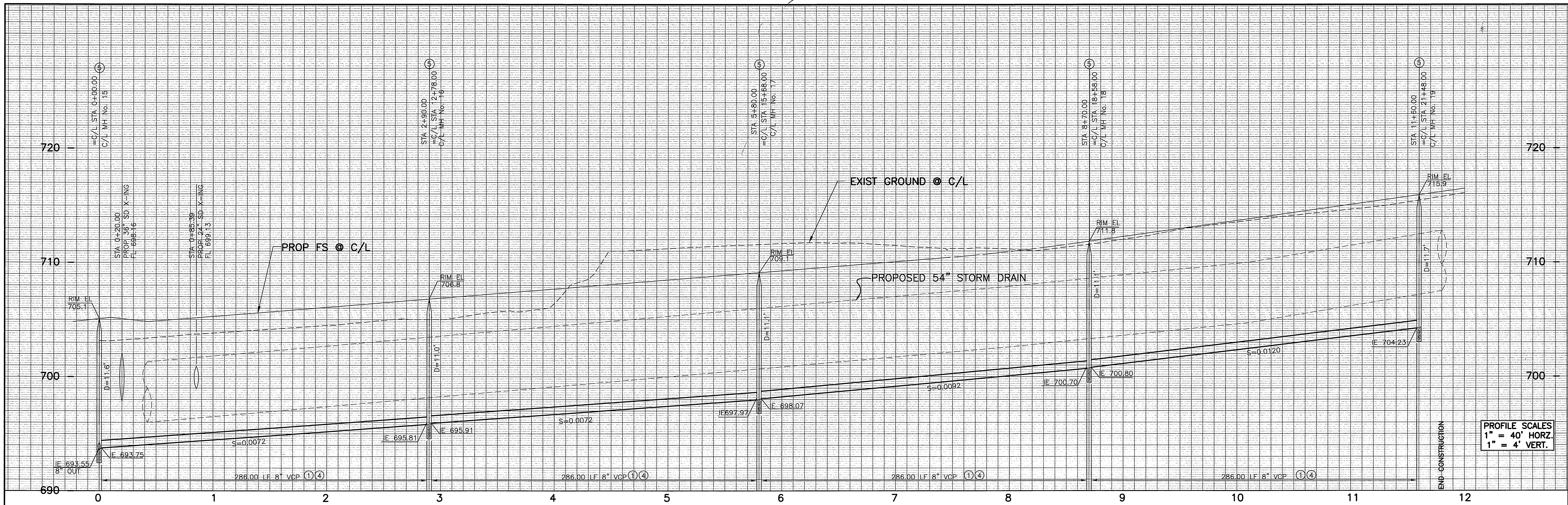
DESIGNED BY A.B.I. DRAWN BY C.A. CHECKED BY J.W.C.

CITY OF RIVERSIDE, CALIFORNIA  
 DEPARTMENT OF PUBLIC WORKS  
 APPROVED BY: *R. Mc Grath*  
 DIRECTOR OF PUBLIC WORKS  
 DATE: 9-7-2000

IN THE CITY OF RIVERSIDE  
**LA SIERRA UNIVERSITY**  
 TRACT 29058  
**SEWER PLANS**  
 RIVERWALK PARKWAY  
 STA 42+50 TO 62+53.87  
 FOR: GRIFFIN INDUSTRIES

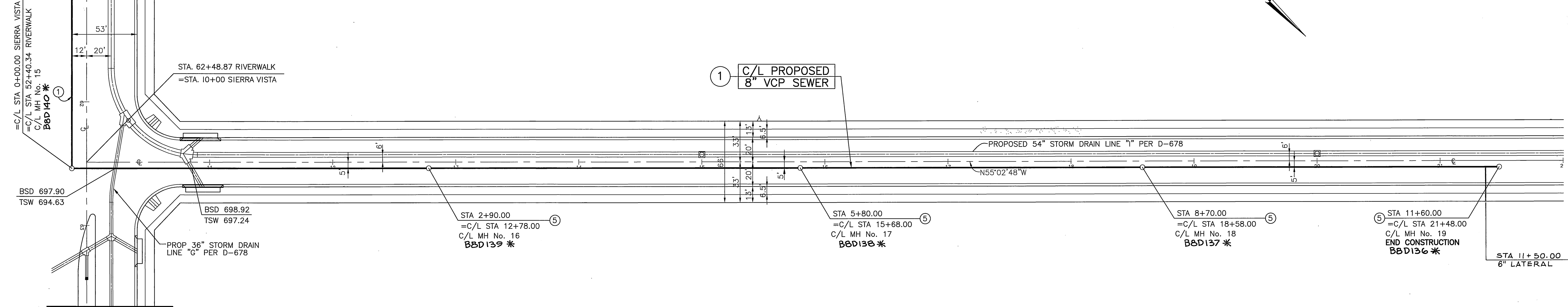
PROJECT NO.  
**S-1733**  
 SHEET **6** OF **7**  
 FILE NO.: 1104-001

INDEXED 9-12-2000 *lft*



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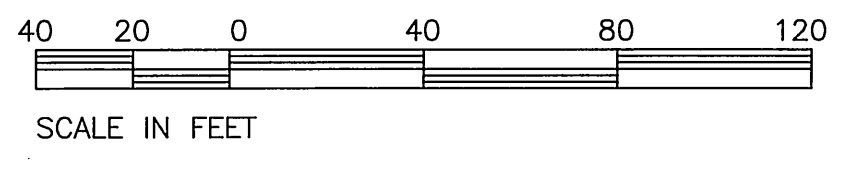
SEE SHT. 6  
 RIVERWALK PARKWAY



**SIERRA VISTA STREET**

**CONSTRUCTION NOTES**

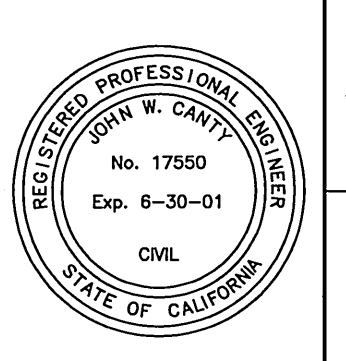
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DESIGNED BY A.B.I. DRAWN BY C.A. CHECKED BY J.W.C.  
 KARL F

CITY OF RIVERSIDE, CALIFORNIA  
 DEPARTMENT OF PUBLIC WORKS  
 APPROVED BY: *R. Mc. Smith*  
 DIRECTOR OF PUBLIC WORKS  
 DATE: \_\_\_\_\_

IN THE CITY OF RIVERSIDE  
 LA SIERRA UNIVERSITY  
 TRACT 29058  
 SIERRA VISTA STREET  
 STA 0+00 TO 11+60  
 FOR: GRIFFIN INDUSTRIES  
 PROJECT NO. S-1733  
 SHEET 7 OF 7  
 FILE NO.: 1104-001  
 INDEXED 9-12-2000 Lft