

**IN THE CITY OF RIVERSIDE, RIVERSIDE COUNTY  
SEWER IMPROVEMENT PLANS  
TRACT NO. 22001**

**HOLD HARMLESS INDEMNIFICATION CLAUSE**

THE CONTRACTOR AGREES THAT HE SHALL 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 APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS; AND THAT THE CONTRACTOR SHALL DEFEND, INDEMNIFY, AND HOLD THE COUNTY OF RIVERSIDE, THE OWNER, AND THE PRIVATE ENGINEERS HARMLESS FOR ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER OR THE ENGINEER.

**EXISTING UNDERGROUND STRUCTURES**

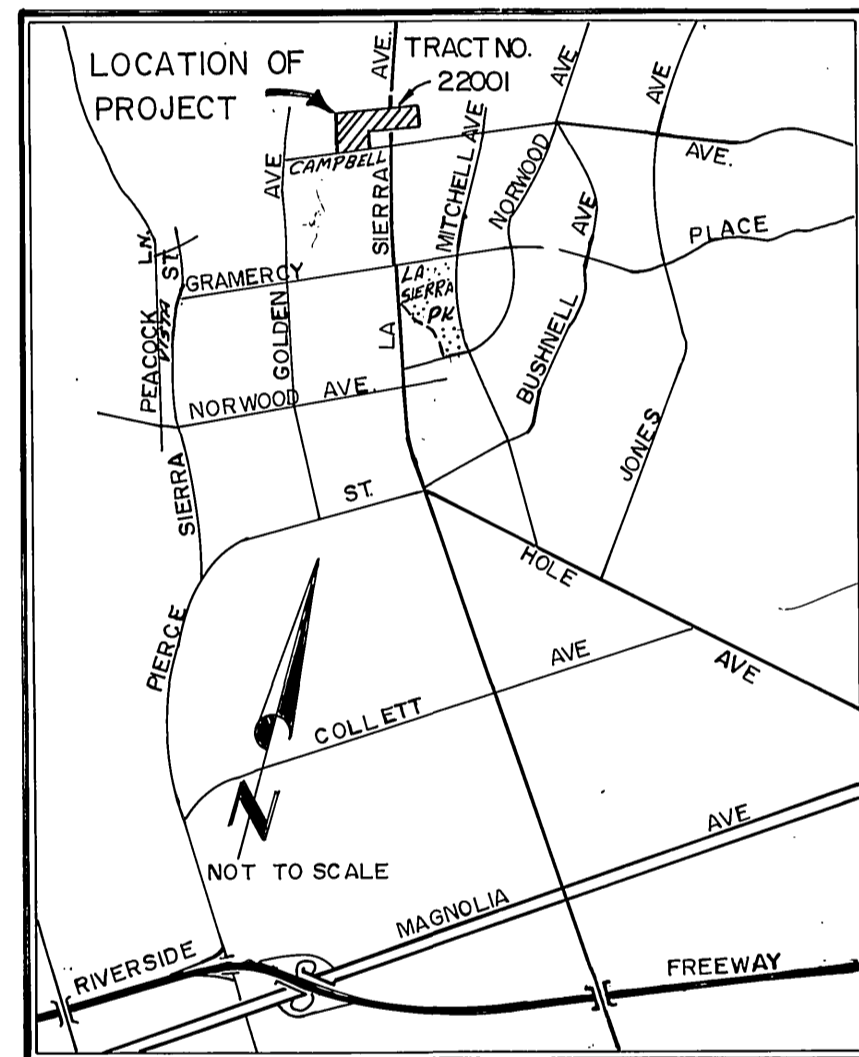
THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITY PIPE STRUCTURES OR CONDUITS SHOWN ON THESE PLANS ARE OBTAINED BY A SEARCH OF THE AVAILABLE RECORDS. TO THE BEST OF OUR KNOWLEDGE, THERE ARE NO EXISTING UTILITIES EXCEPT AS SHOWN ON THESE PLANS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE OWNERS OF THE UTILITIES OR STRUCTURES CONCERNED BEFORE STARTING WORK. CONTRACTOR FURTHER ASSUMES ALL LIABILITY AND RESPONSIBILITY FOR THE UNDERGROUND UTILITY PIPES, CONDUITS OR STRUCTURES SHOWN OR NOT SHOWN ON THESE PLANS.

**NOTICE TO CONTRACTOR**

CONTRACTOR SHALL VERIFY ALL CONDITIONS AND DIMENSIONS AND SHALL REPORT ALL DISCREPANCIES TO THE ENGINEER PRIOR TO THE COMMENCEMENT OF WORK.

**GENERAL NOTES**

- SEWER PROFILE ELEVATIONS ARE TO FLOW LINE (CONDUIT INVERT).
- ALL STATIONS ARE SEWER CENTERLINE STATIONS.
- 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.
- PRIOR TO CONSTRUCTION OF SEWER, CONTRACTOR SHALL EXPOSE EXISTING SEWER AND VERIFY ITS EXISTING ELEVATION AND LOCATIONS.
- ALL FLAGGED ELEVATIONS SHALL BE STAKED IN THE FIELD BY THE PRIVATE ENGINEER.
- 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.
- CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE CITY OF RIVERSIDE DEPARTMENT OF PUBLIC WORKS, STANDARD DRAWINGS, STANDARD DRAWING NO. 10 AND THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, CURRENT EDITION.
- MANHOLES SHALL BE CONSTRUCTED IN ACCORDANCE WITH STD. DWG. 500.
- THE SEWER CONTRACTOR SHALL ADJUST ALL MANHOLES TO FINAL GRADE AFTER PAVING IS COMPLETED.
- SEWER LATERALS SHALL BE CONSTRUCTED IN ACCORDANCE WITH STD. DWG. 562. LOCATION OF LATERALS TO BE DETERMINED IN THE FIELD AT THE DIRECTION OF THE OWNER. AVOID CONFLICT WITH PROPOSED AND/OR EXISTING FACILITIES. ALL LATERALS ARE TO BE 4" DIAMETER UNLESS OTHERWISE SHOWN ON THE PLANS.
- NO FINISHED FLOOR ELEVATION SHALL BE LESS THAN 4' ABOVE THE SEWER FLOW LINE AT POINT OF CONNECTION WITHOUT HAVING A PROPER BACKWATER VALVE INSTALLED IN THE LATERAL.
- QUANTITIES SHOWN ARE FOR INFORMATION ONLY AND THE CITY OF RIVERSIDE IS NOT RESPONSIBLE FOR THEIR ACCURACY.
- 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.
- THE CONTRACTOR SHALL CALL IN A LOCATION 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 PROVIDED AN INQUIRY IDENTIFICATION NUMBER BY USA.
- 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.

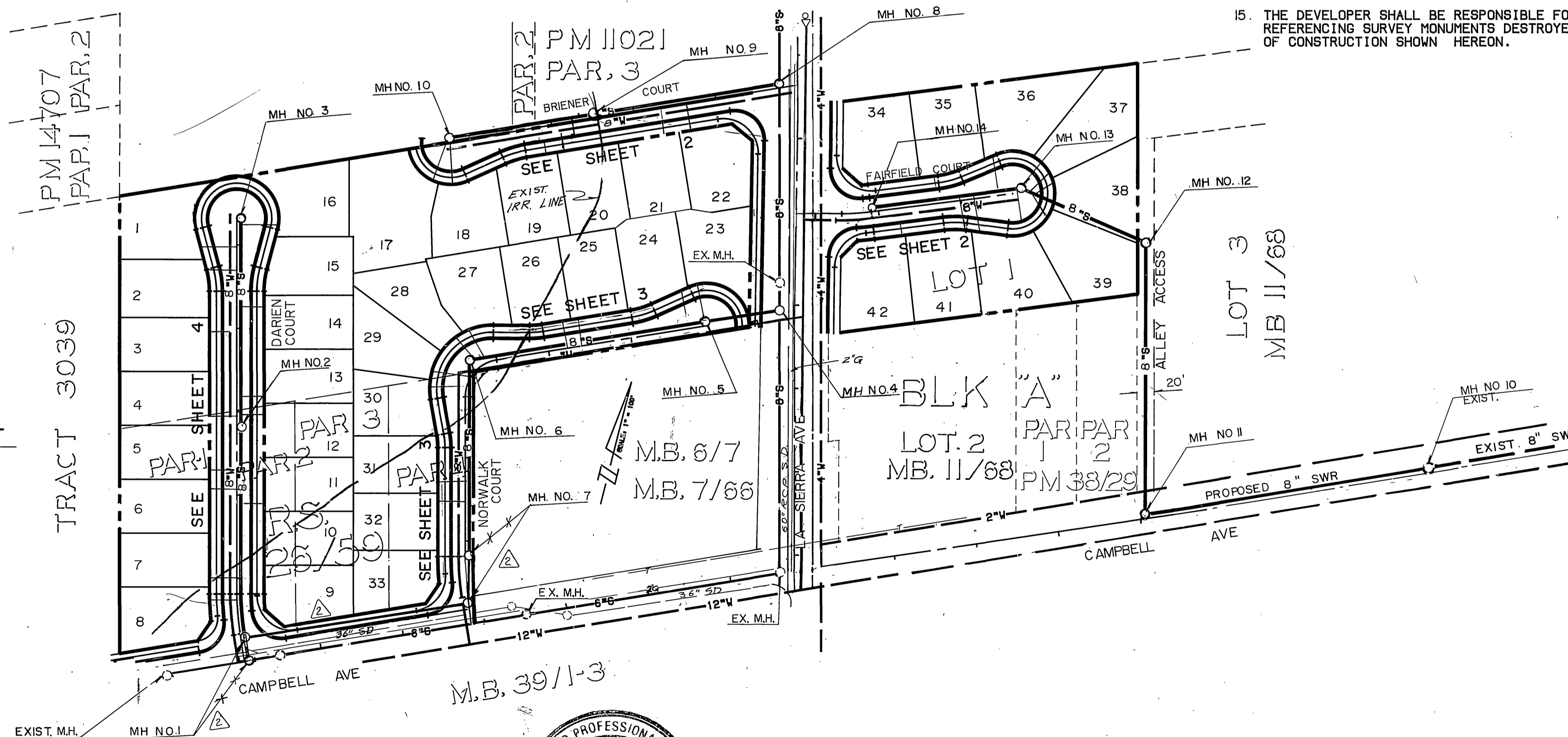
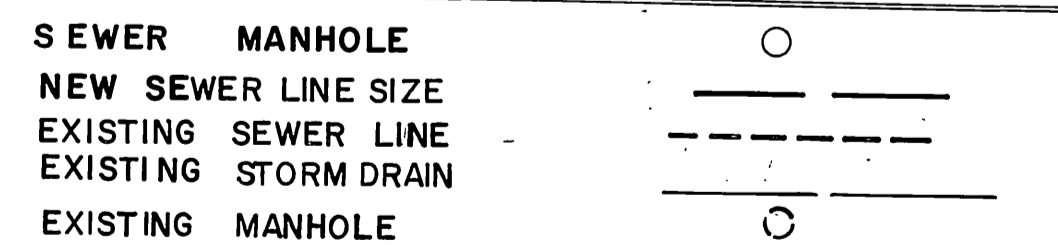


VICINITY MAP  
NO SCALE

**CONSTRUCTION NOTES & QUANTITY ESTIMATE**

ITEM	DESCRIPTION	QUANTITIES	UNIT
①	CONSTRUCT 8" VCP SEWER LINE	2500	LF.
②	CONSTRUCT MH PER C/R STD.500	14	EA.
③	CONSTRUCT 4" LATERAL PER C/R STD.562	1300.	LF.

**SEWER LEGEND**



CITY BUSINESS TAX CERTIFICATE NO.  
033595  
1-2-90  
EXP. DATE

APPROVED BY: *Richard J. Dolek* 10-30-89  
CITY OF RIVERSIDE ELECT. DEPT. DATE

APPROVED BY: *Jim Jones*  
SOUTHERN CA. GAS COMPANY DATE

CITY OF RIVERSIDE WATER SYSTEM  
BENCH MARK  
P.K. NAIL AND CITY ENGINEER TAG IN SW'LY CURB RETURN OF CAMPBELL AVENUE AT LA SIERRA AVENUE.  
ELEVATION = 770.448

THE KEITH COMPANIES  
5225 CANYON CREST DRIVE  
BLDG. 300, SUITE 307  
RIVERSIDE, CA. 92507  
714.682-1170

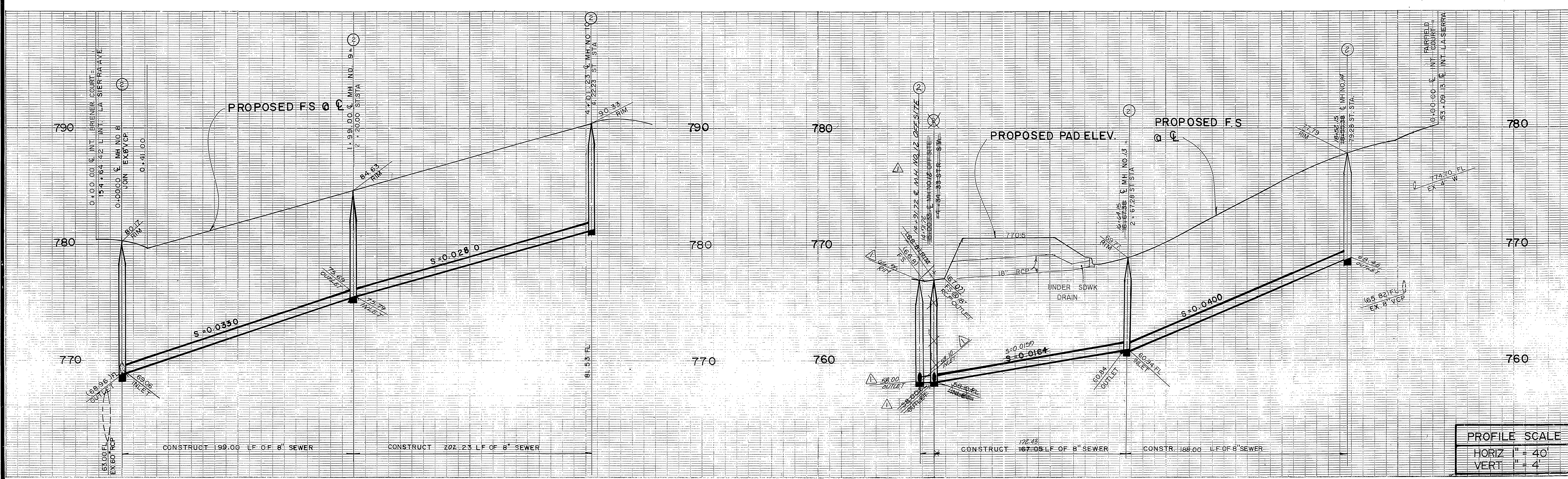
PLANS PREPARED UNDER THE DIRECTION OF  
*Chris D. Cummins* 12-1-88  
CHRIS D. CUMMINS DATE

RELOCATE SEWER P-39 D.E.  
REVISED SEWER LOCATION P.O. 215  
MARK REVISIONS  
DESIGNED BY T.C. DRAWN BY B.B. CHECKED BY J.E.

CITY OF RIVERSIDE PUBLIC WORKS DEPARTMENT  
APPROVED BY: *Barry Beal*  
PRINCIPAL ENGINEER DATE 11-9-89  
CHIEF P.W. ENGINEER DATE Nov 9, 1989

SEWER IMPROVEMENT PLAN  
TRACT 22001  
TITLE SHEET  
HORIZ. SCALE: 1" = 100' VERT. SCALE: 1" = 100'  
ACCOUNT NO. S-1554  
SHEET 1 OF 5

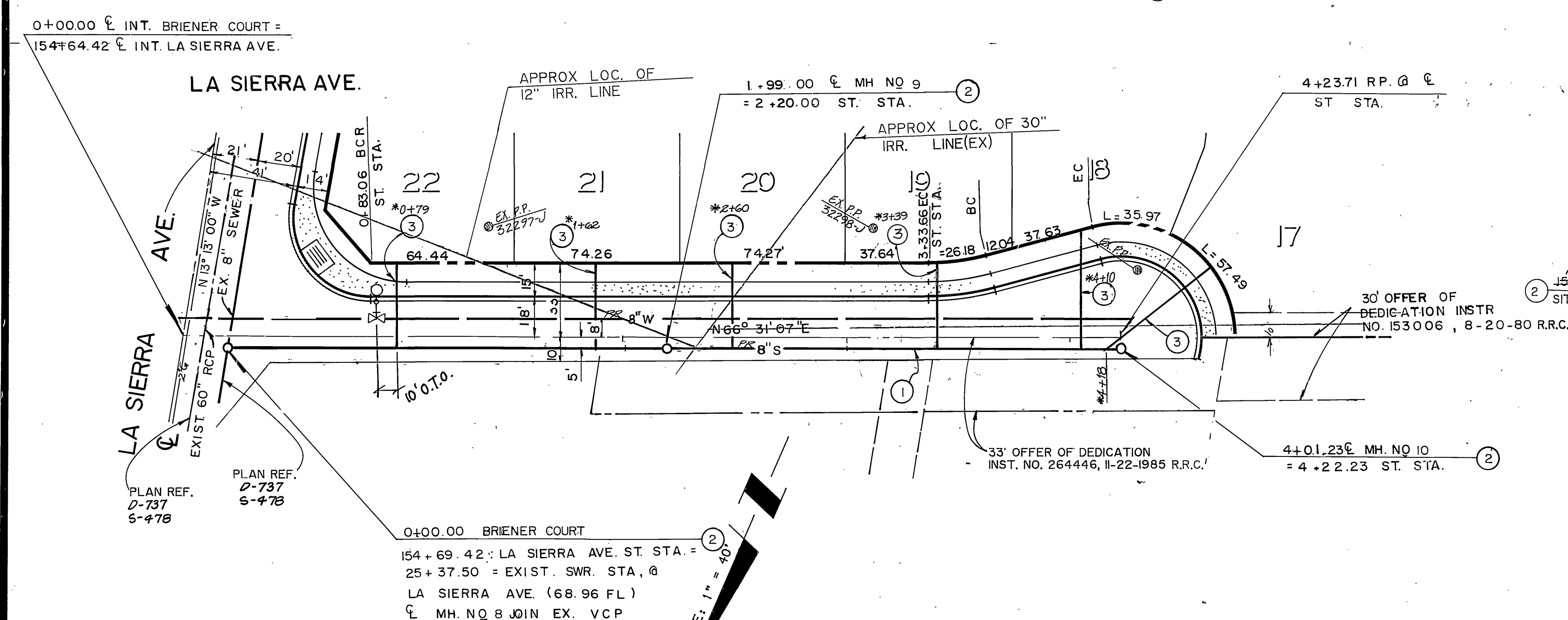




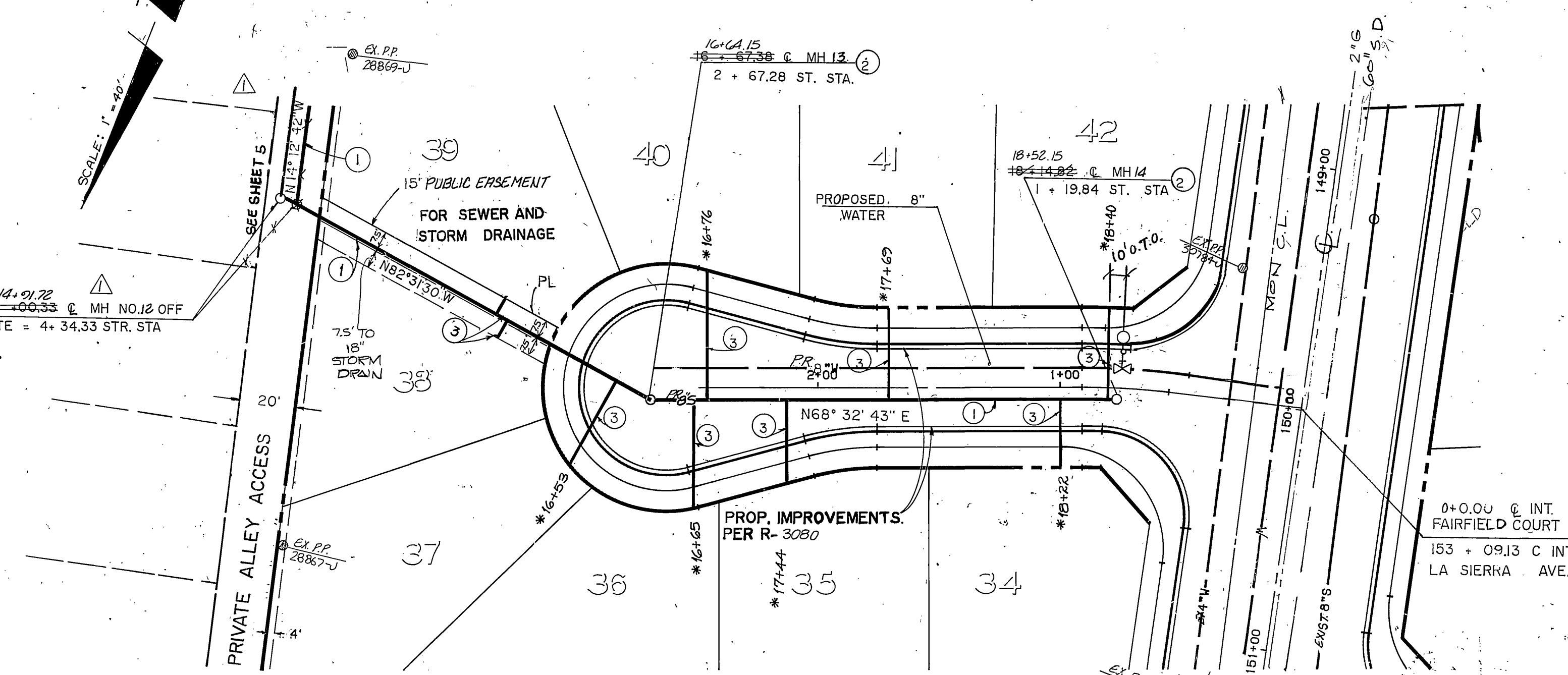
PROFILE SCALE  
 HORIZ 1" = 40'  
 VERT 1" = 4'

**CONSTRUCTION NOTES**

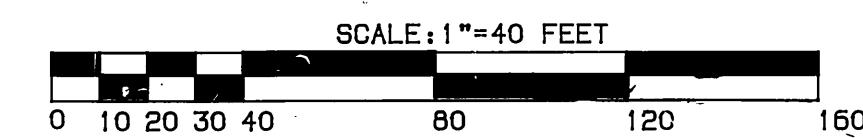
- ① CONSTRUCT 8" VCP SEWER LINE
- ② CONSTRUCT MH. PER C/R STD 500
- ③ CONSTRUCT 4" LATERAL PER C/R STD 562



**BRIENER COURT**

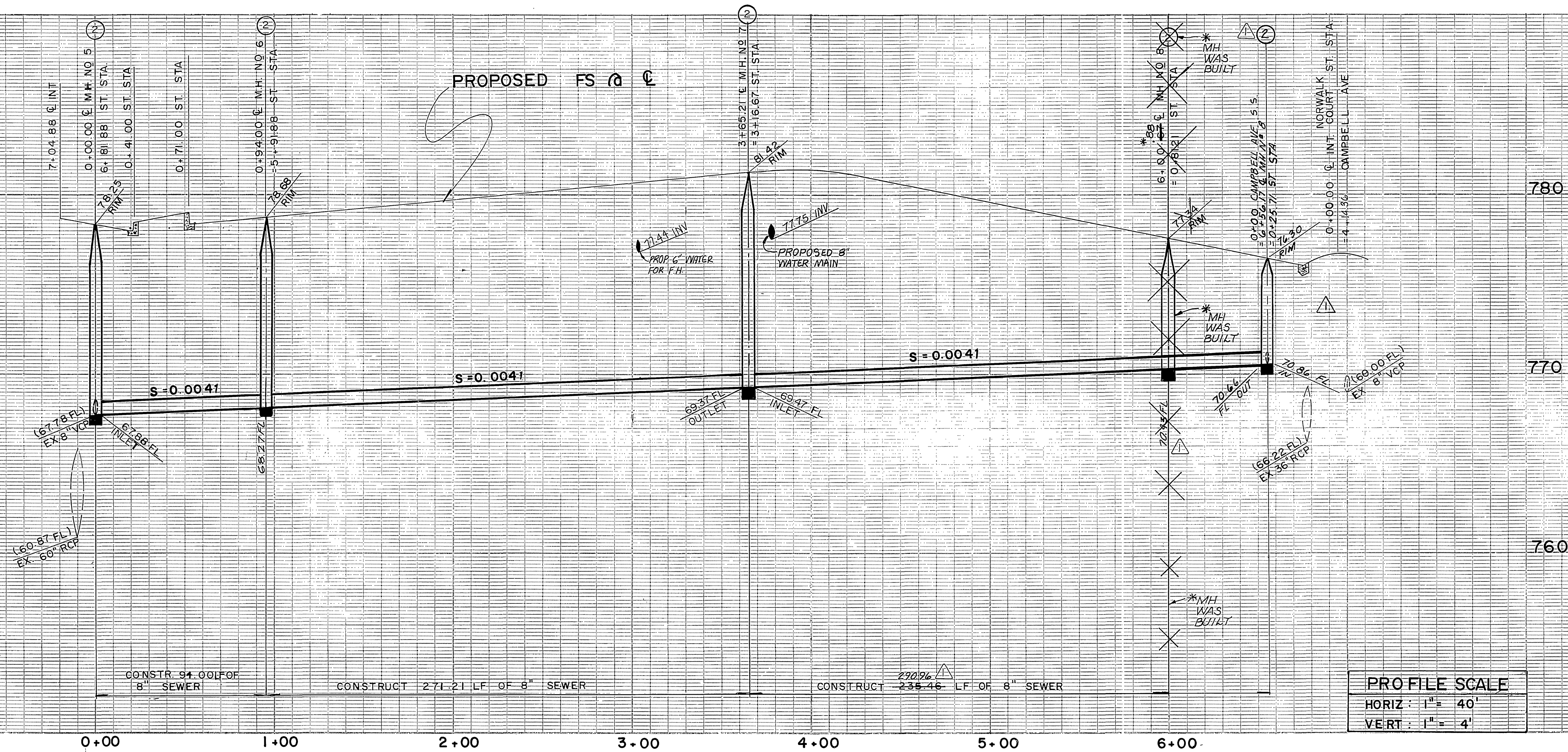


**FAIRFIELD COURT**



CITY BUSINESS TAX CERTIFICATE NO. 033595	CITY OF RIVERSIDE WATER SYSTEM	BENCH MARK P.K. NAIL AND CITY ENGINEER TAG IN SW'LY CURB RETURN OF CAMPBELL AVENUE AT LA SIERRA AVENUE. ELEVATION = 770.448	THE KEITH COMPANIES 6225 CANYON CREST DRIVE BLDG. 300, SUITE 307 RIVERSIDE, CA 92507 714) 682-1170	APPROVED BY DATE PRINCIPAL ENGINEER 11/19/89 BY 11/19/89	CITY OF RIVERSIDE PUBLIC WORKS DEPARTMENT	SEWER IMPROVEMENT PLAN TRACT 22001 BRIENER COURT	ACCOUNT NO. S-1554
	APPROVED 1-2-90 EXP. DATE	APPROVED Richard J. Doolittle 10-30-89 DATE	PLANS PREPARED UNDER THE DIRECTION OF CHRIS D. CUMMINS DATE 12-1-89	DESIGNED BY T.C. DRAWN BY B.B. CHECKED BY D.E.	APPROVED BY DATE PRINCIPAL ENGINEER 11/19/89 BY 11/19/89 PUBLIC WORKS DIRECTOR	STA 0+00 TO STA 4+01.23 FAIRFIELD COURT STA 15+00.33 TO STA 18+14.82	SHEET 2 OF 5

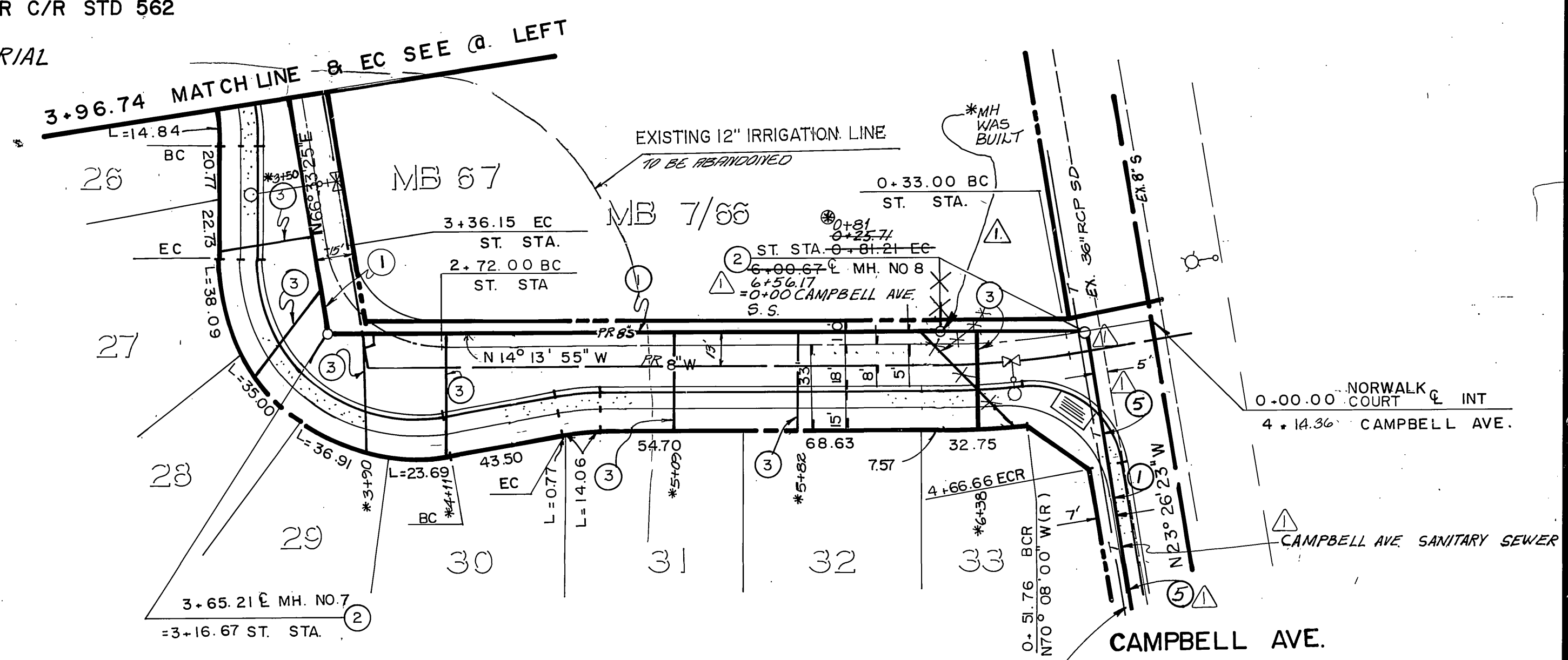
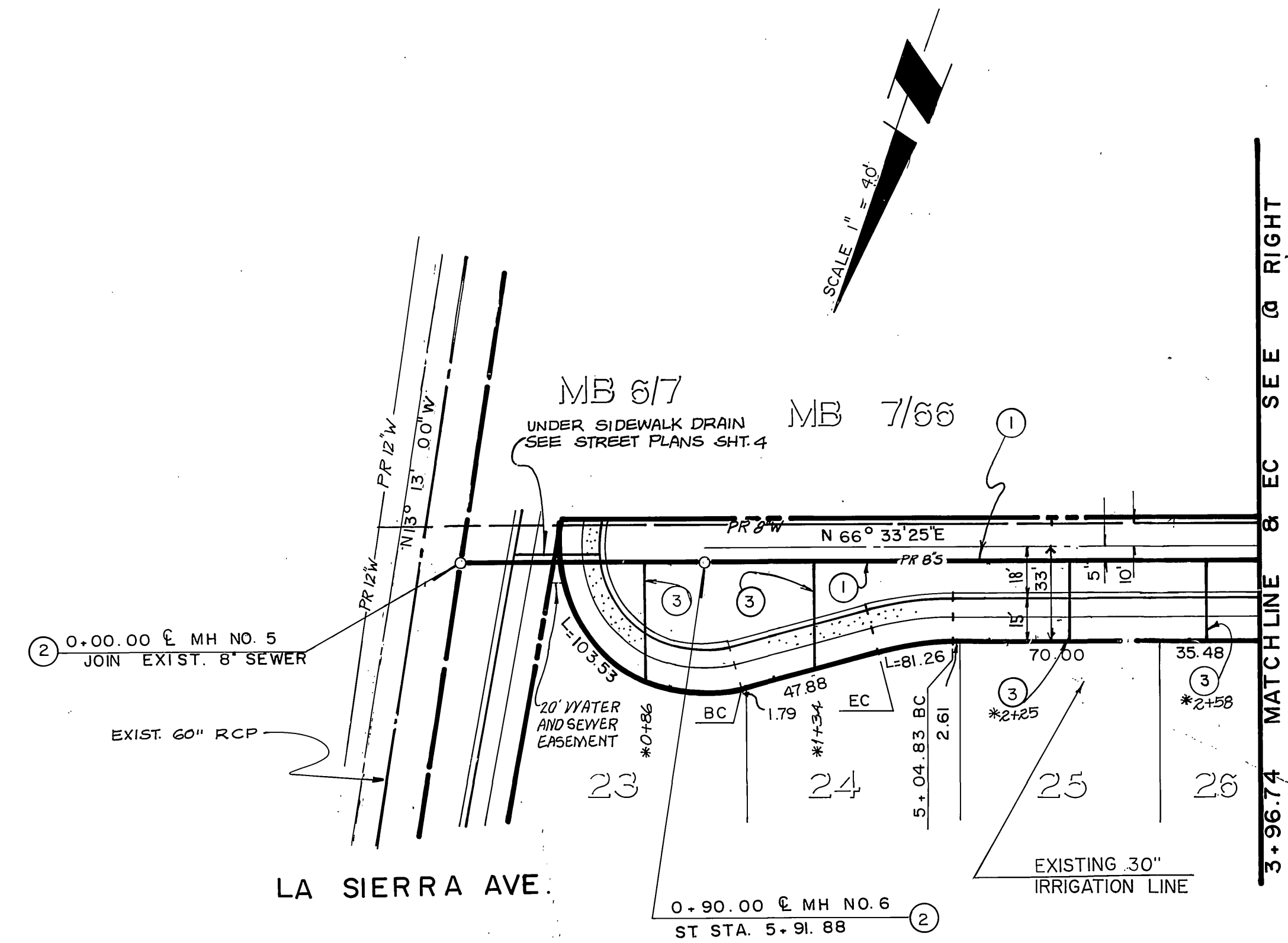
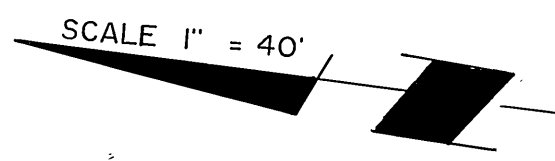




PROFILE SCALE	
HORIZ :	1" = 40'
VERT :	1" = 4'

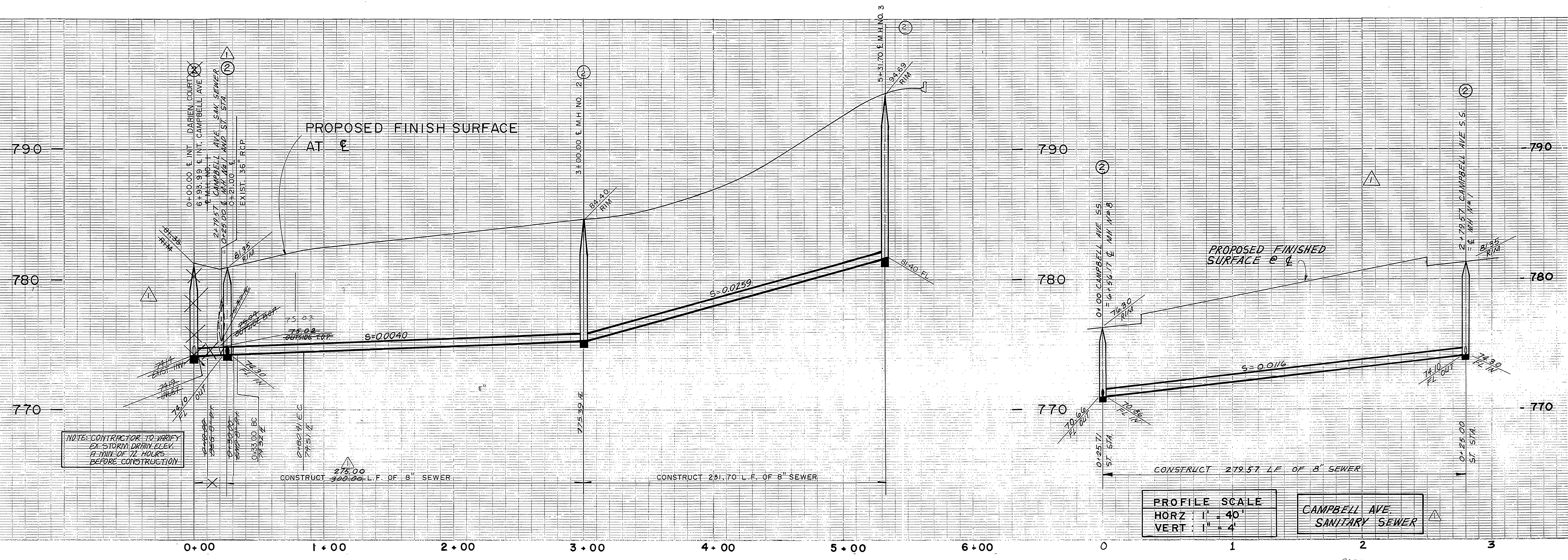
**CONSTRUCTION NOTES**

- ① CONSTRUCT 8" VCP SEWER LINER
- ② CONSTRUCT M.H. PER C/R STD 500
- ③ CONSTRUCT 4" LATERAL PER C/R STD 562
- ④ WRAP 8" VCP WITH INDUSTRIAL STRENGTH FELT



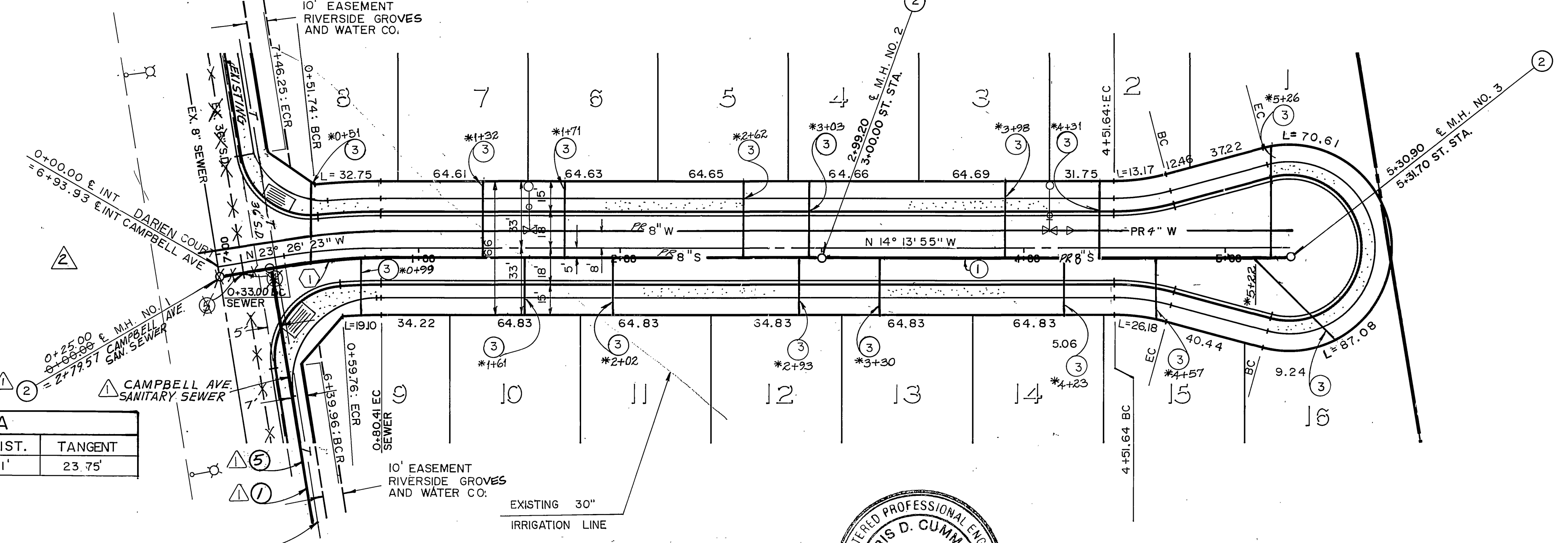
CITY BUSINESS TAX CERTIFICATE NO. 033595 1-2-90 EXP. DATE	CITY OF RIVERSIDE WATER SYSTEM BENCH MARK P.K. NAIL AND CITY ENGINEER TAG IN SW'LY CURB RETURN OF CAMPBELL AVENUE AT LA SIERRA AVENUE. ELEVATION = 770.448	THE KEITH COMPANIES 3225 CANYON CREST DRIVE BLDG. 300, SUITE 307 RIVERSIDE, CA 92507 (714) 682-1170	CITY OF RIVERSIDE PUBLIC WORKS DEPARTMENT APPROVED BY: [Signature] DATE: 11/9/89 PRINCIPAL ENGINEER: [Signature] DATE: 11/8/89 CHIEF P.W. ENGINEER: [Signature]	SEWER IMPROVEMENT PLAN TRACT 22001 NORWALK COURT STA 0+00 TO STA 6+00.67	ACCOUNT NO. S-1554
					SHEET 3 OF 5





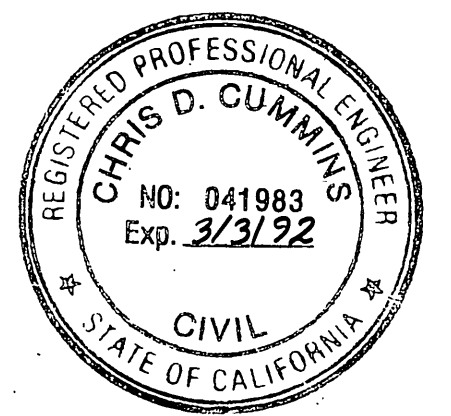
PROFILE SCALE	CAMPBELL AVE SANITARY SEWER
HORZ : 1" = 40'	
VERT : 1" = 4'	

**CAMPBELL AVE.**

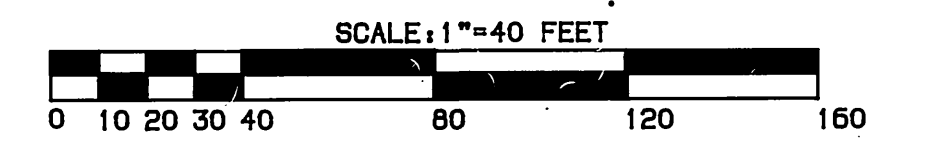


CURVE DATA			
DELTA/BEARING	RADIUS	LEN./DIST.	TANGENT
09°12'28"	295.00'	47.41'	23.75'

**CAUTION:**  
 EXISTING TELEPHONE CABLE,  
 CONTACT TELEPHONE CO. PRIOR  
 TO EXCAVATION IN THIS AREA.

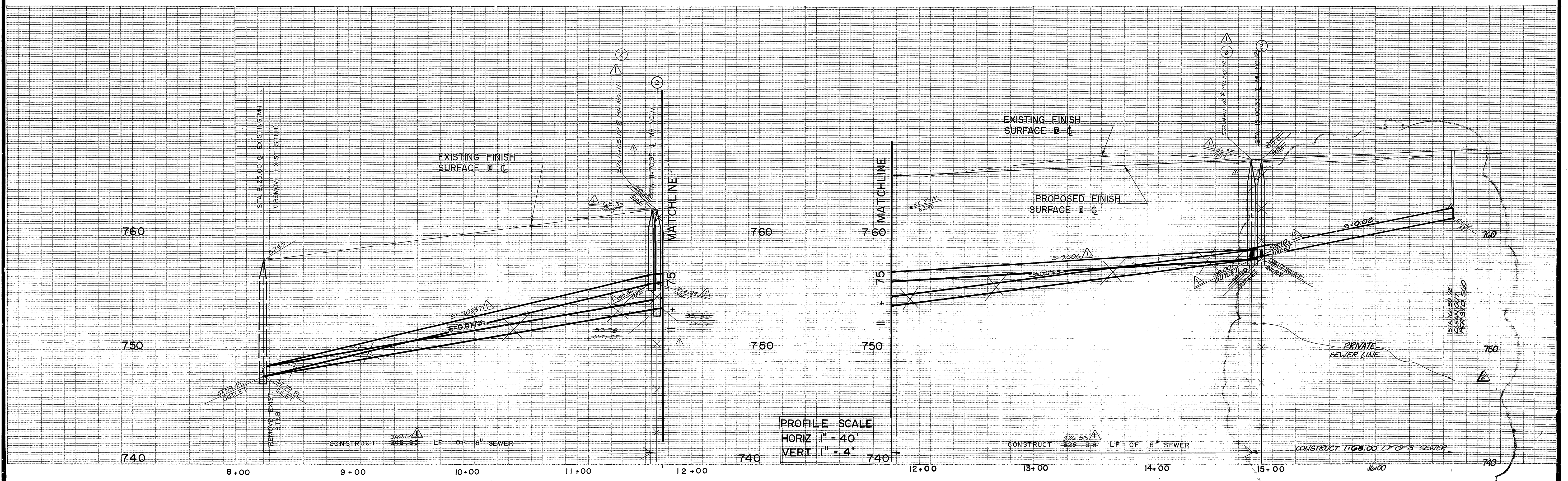


- CONSTRUCTION NOTES**
- ① CONSTRUCT 8" VCP SEWER LINE
  - ② CONSTRUCT M.H. PER C/R STD 500
  - ③ CONSTRUCT 4" LATERAL PER C/R STD 562
  - ④ CONSTRUCT 8" DUCTILE IRON PIPE CL 150 AT STORM DRAIN CROSSING
  - ⑤ WRAP 8" DUCTILE IRON PIPE AT S.D. CROSSING WITH INDUSTRIAL STRENGTH FELT



APPROVED BY:  DATE: 7/25/89 CITY BUSINESS TAX CERTIFICATE NO. 033595 EXP. DATE: 1-2-90	<b>CITY OF RIVERSIDE WATER SYSTEM</b> BENCH MARK: P.K. NAIL AND CITY ENGINEER TAG IN SW'LY CURB RETURN OF CAMPBELL AVENUE AT LA SIERRA AVENUE. ELEVATION = 770.448	<b>THE KEITH COMPANIES</b> 6225 CANYON CREST DRIVE BLDG. 300, SUITE 307 RIVERSIDE, CA 92507 (714) 682-1170 DESIGNED BY: T.C. DRAWN BY: B.B. CHECKED BY: D.E.	<b>CITY OF RIVERSIDE PUBLIC WORKS DEPARTMENT</b> APPROVED BY: DATE: 11/19/89 PRINCIPAL ENGINEER: Barry Beal PUBLIC WORKS DIRECTOR CHIEF P.W. ENGINEER: DATE: 11/19/89	<b>SEWER IMPROVEMENT PLAN</b> TRACT 22001 DARIEN COURT STA 0+00 TO STA 5+31.70 HORIZ. SCALE: 1" = 40' VERT. SCALE: 1" = 4'	ACCOUNT NO. S-1554 SHEET 4 OF 5
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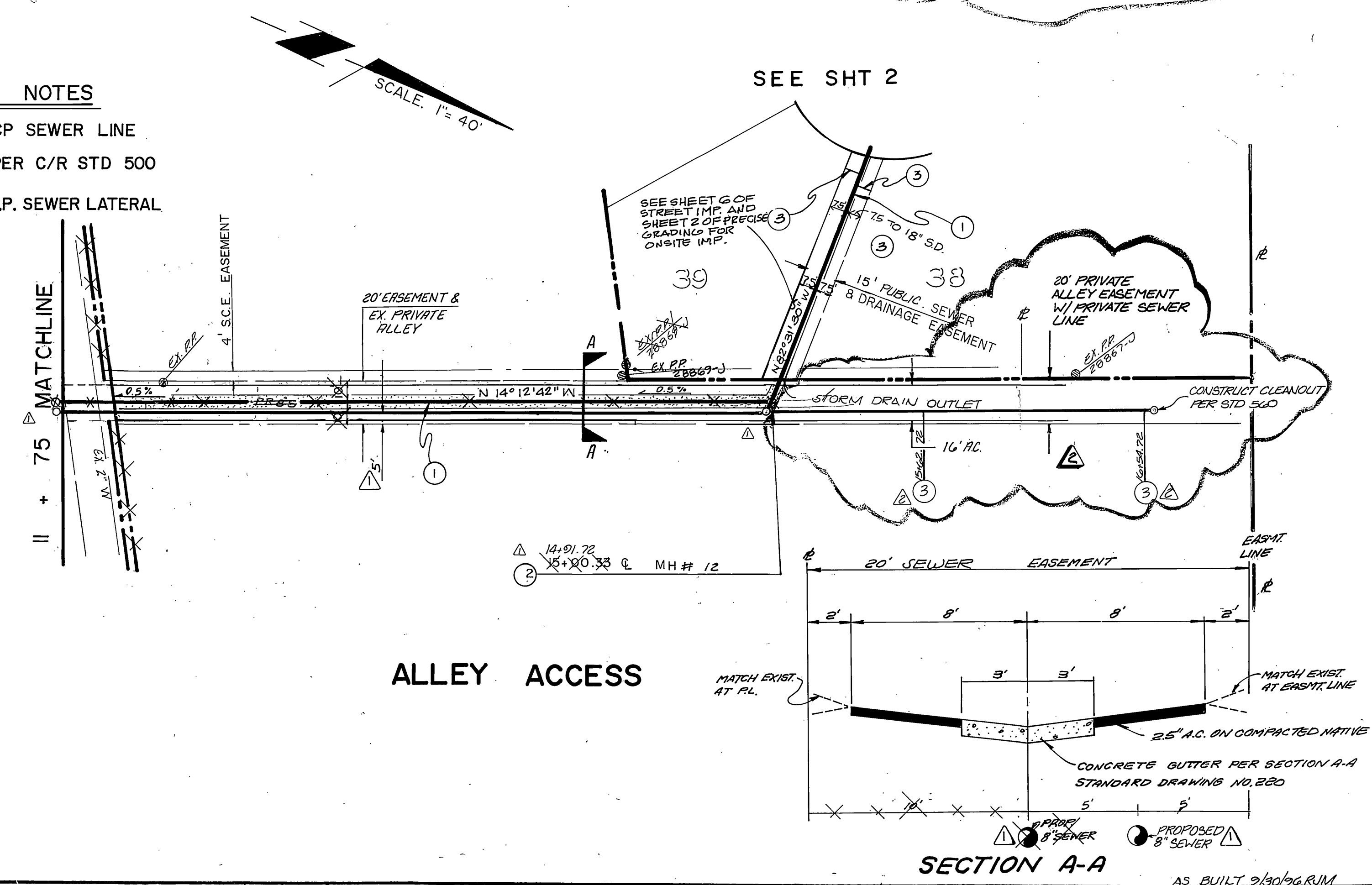
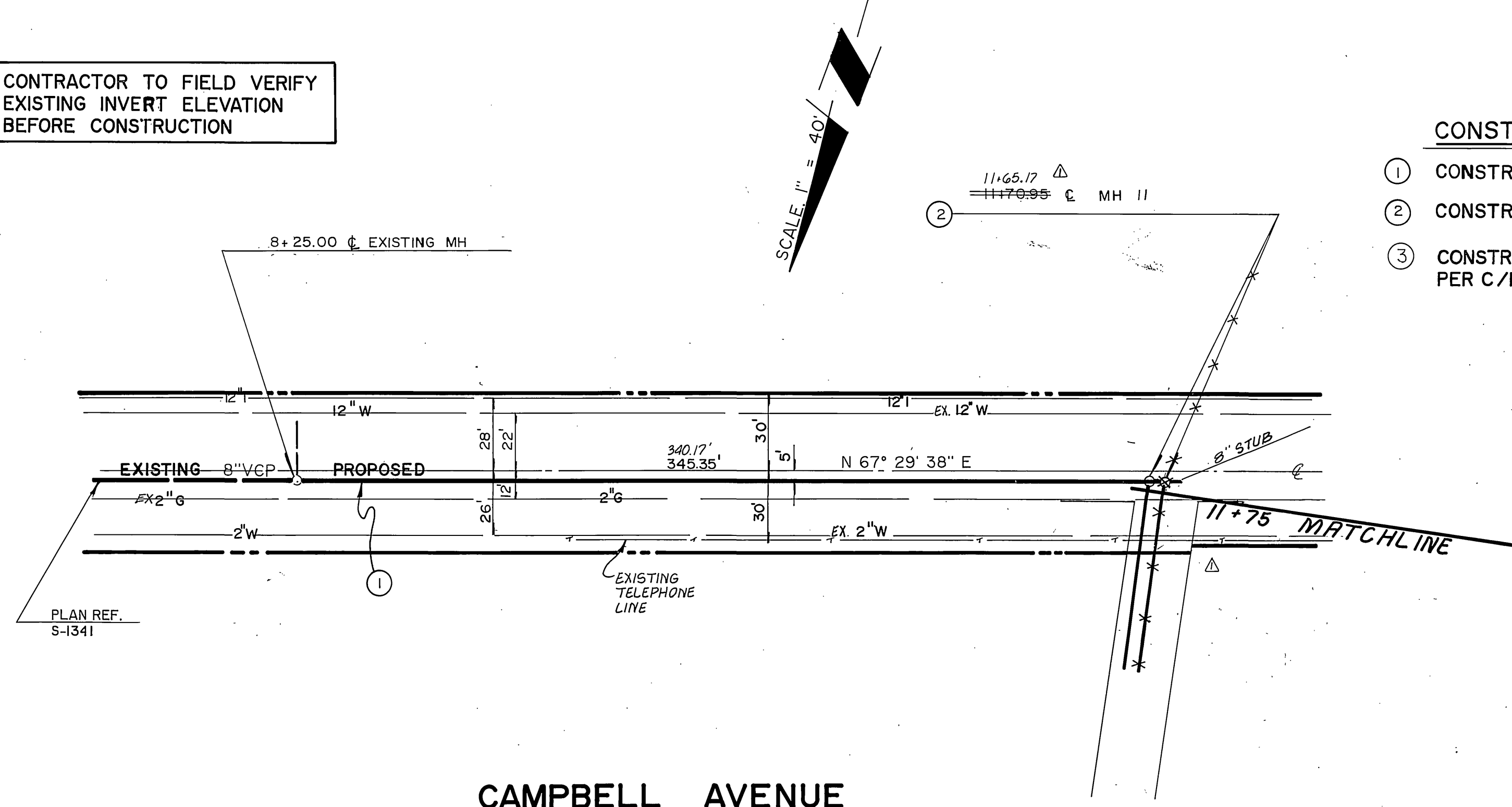




CONTRACTOR TO FIELD VERIFY EXISTING INVERT ELEVATION BEFORE CONSTRUCTION

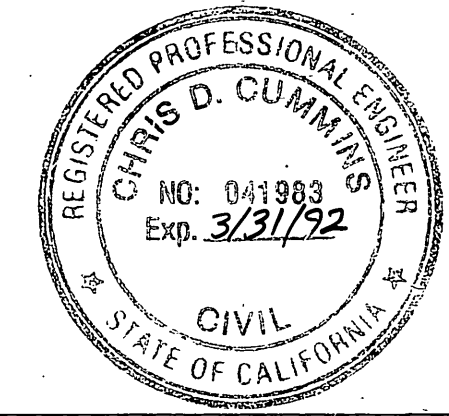
**CONSTRUCTION NOTES**

- ① CONSTRUCT 8" VCP SEWER LINE
- ② CONSTRUCT MH PER C/R STD 500
- ③ CONSTRUCT 4" V.C.P. SEWER LATERAL PER C/R STD. 562



CAMPBELL AVENUE

ALLEY ACCESS



CITY BUSINESS TAX CERTIFICATE NO.  
033595  
1-2-90  
EXP. DATE

APPROVED BY  
*[Signature]*  
DATE 7-25-89  
PACIFIC BELL TEL.

APPROVAL BY  
*[Signature]*  
DATE 10-25-89  
CITY OF RIVERSIDE  
ELECT. DEPARTMENT

CITY OF RIVERSIDE  
WATER SYSTEM  
BENCH MARK  
P. K. NAIL AND CITY ENGINEER  
TAG IN SW LY CURB RETURN OF  
CAMPBELL AVE. AT LA SIERRA  
AVE.  
ELEVATION = 770.448  
APPROVED  
*[Signature]*  
DATE 10-28-89

THE KEITH COMPANIES  
5225 CANYON CREST DRIVE  
BLDG 300 SUITE 307  
RIVERSIDE CA 92507  
(714) 682-1170  
PLANS PREPARED UNDER DIRECTION OF  
*[Signature]*  
CHRIS D. CUMMINS 12-1-88  
DATE

EXTEND PRIVATE SEWER TO NORTH IN ALLEY  
REVISED SWR LOCATIONS  
REVISIONS  
APPR. DATE  
DESIGNED BY T.C. DRAWN BY BB CHECKED BY D.E.

CITY OF RIVERSIDE  
PUBLIC WORKS DEPARTMENT  
APPROVED BY  
*[Signature]*  
DATE 11/9/89  
PRINCIPAL ENGINEER  
CHIEF P.W. ENGINEER

SEWER IMPROVEMENT PLAN  
TRACT 22001  
CAMPBELL AVE  
PRIVATE ALLEY ACCESS  
HORIZ. SCALE: 1" = 40'  
VERT. SCALE: 1" = 4'

ACCOUNT NO.  
S-1554  
SHEET 5 OF 5