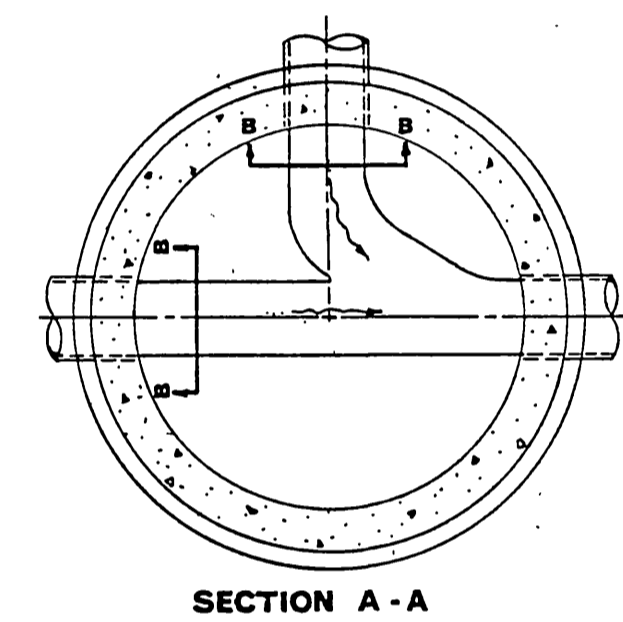
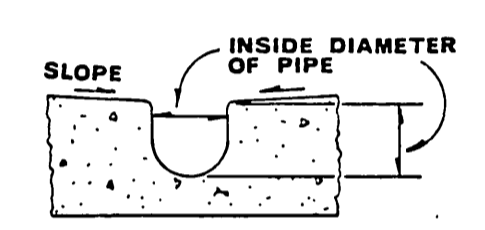
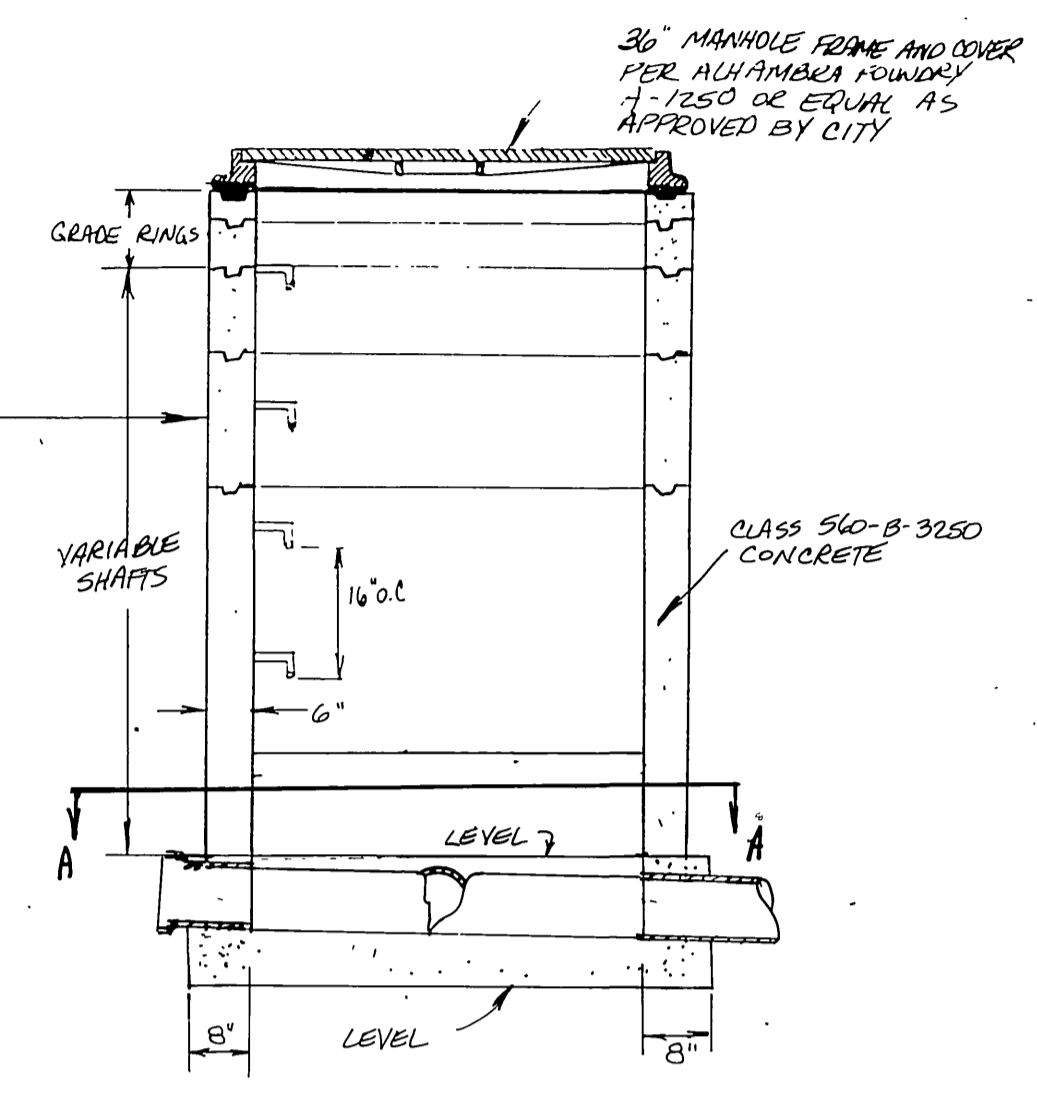


TRACT 24352 SEWER IMPROVEMENT PLANS

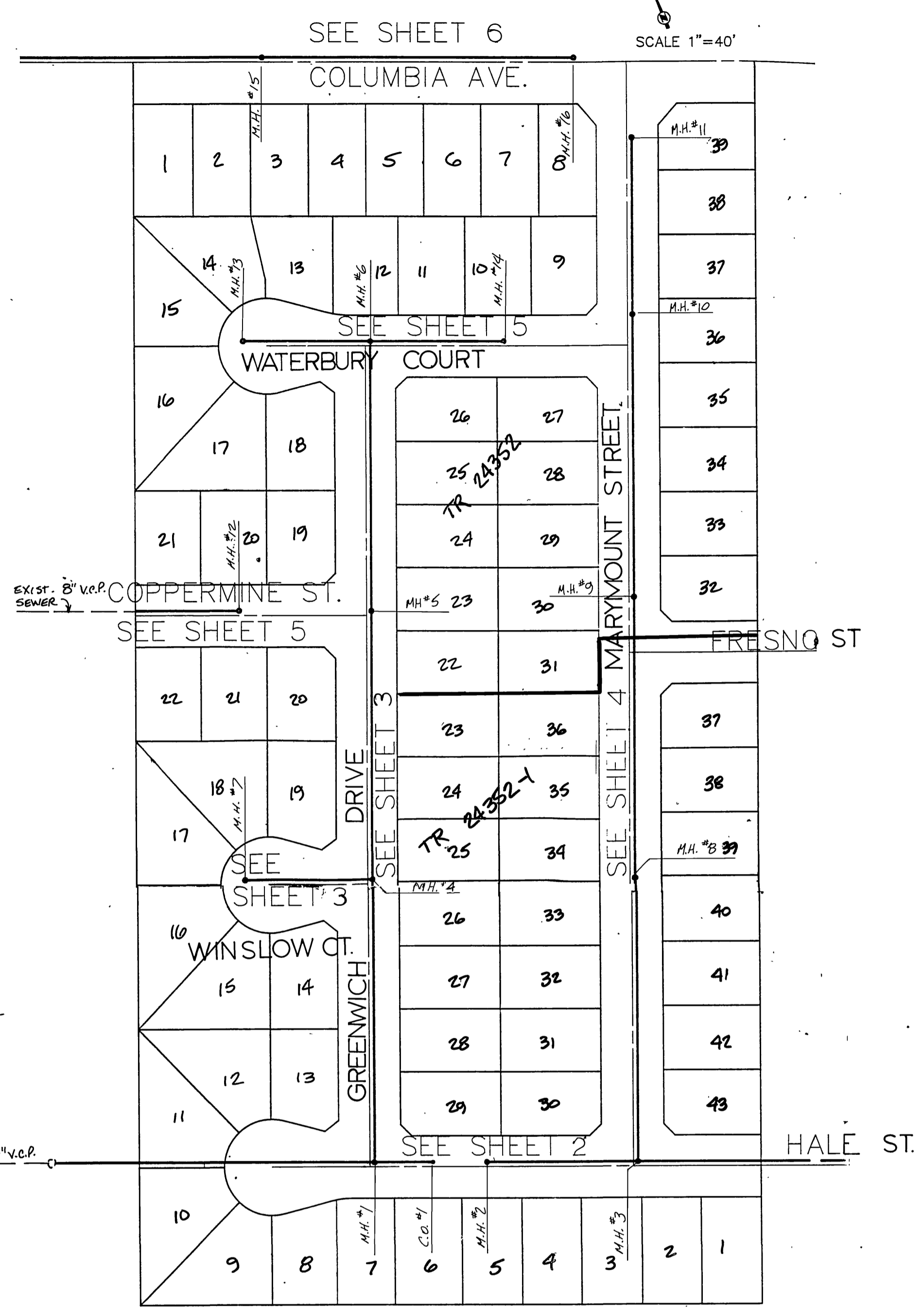
SEWER NOTES

1. 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.
2. 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.
3. Location of laterals to be determined in the field at the direction of the owner. Avoid conflict with the proposed and/or existing facilities.
4. Contractor is to verify existing sewer elevation prior to construction.
5. 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.
6. Quantities shown are for information only and the City of Riverside is not responsible for their accuracy.
7. All flagged elevations shall be staked in the field by the private engineer.
8. The sewer contractor shall adjust manholes to final grade after paving is completed.
9. A plug shall be installed and remain in place where the new sewer connects with the existing sewer until the sewer is accepted by the City.
10. 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.
11. 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 been provided an inquiry identification number by USA.
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. All stubs and laterals to be constructed in accordance with standard drawing 562.
14. Laterals are to be 4" V.C.P. and extended to the property line.

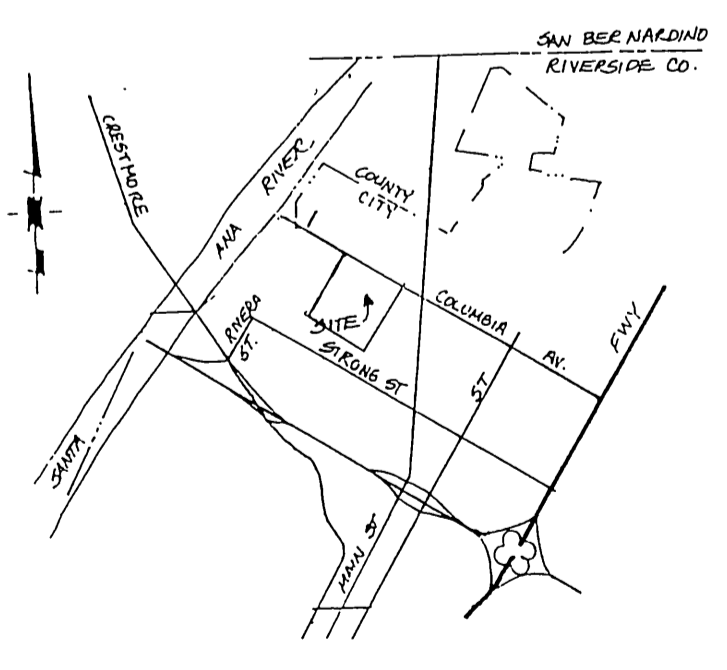
CONSTRUCTION NOTES	QUANTITIES	TR 24352	TR 24352
1. CONSTRUCT 8" D.I.P. SEWER.	1403 LF	1403 LF	
2. CONSTRUCT 4" D.I.P. SEWER LATERAL.	927 LF	380 LF	147 LF
3. CONSTRUCT FLAT-TOP 36" I.D. PRECAST MANHOLE PER ASSOCIATED CONCRETE PRODUCTS OR EQUAL. USE 36" MANHOLE LID PER DETAIL HEREON.	5 EA	5 EA	
4. CONSTRUCT CLEAN OUT PER CITY OF RIVERSIDE STD. 560.	1 EA	2 EA	
5. REMOVE EXISTING CLEANOUT.	2 EA	2 EA	
6. CORE DRILL INTO EXISTING MANHOLE.	2 EA	1 EA	1 EA
7. CONSTRUCT STANDARD PRECAST MANHOLE PER CITY OF RIVERSIDE STD. 500.	11 EA	3 EA	8 EA
8. CONSTRUCT 8" V.C.P. SEWER.	2337 LF	646 LF	1691 LF
9. CONSTRUCT 4" V.C.P. SEWER LATERAL.	1310 LF	520 LF	790 LF
10. CONSTRUCT 4" D.I.P. SEWER LATERAL W/ WYES FLAT. NO JOINTS IN WATER LINE 9' EA. SIDE OF WATER CROSSING.	366 LF	366 LF	
11. CONSTRUCT SEWER ENCASUREMENT PER CITY WATER DEPT. STDS. CWD-022 & CWD-023.	30 EA	16 EA	14 EA
12. CONSTRUCT 4" V.C.P. SEWER LATERAL W/ WYES FLAT. NO JOINTS IN WATER LINE 9' EA. SIDE OF WATER CROSSING.	704 LF	304 LF	400 LF
13. CONSTRUCT 8" STUB & PLUG PER CITY OF RIVERSIDE STD. 560.	2 EA	2 EA	



36" I.D. MANHOLE
NTS



INDEX MAP
SCALE 1"=40'



VICINITY MAP (nts)



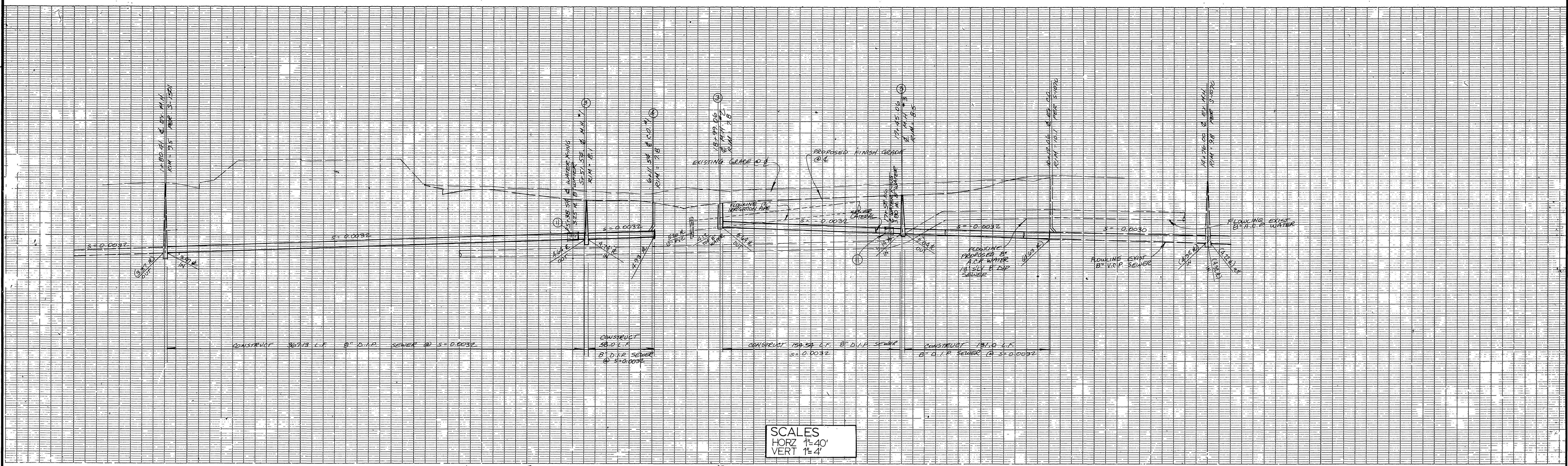
EXISTING UNDERGROUND STRUCTURES

THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITY PIPES OR 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. THE CONTRACTOR IS REQUIRED TO TAKE DUE PRECAUTIONARY MEASURES TO PROTECT THE UTILITY LINES SHOWN AND ANY OTHER LINES NOT OF RECORD OR NOT SHOWN ON THESE PLANS. IT SHALL BE THE CONTRACTORS 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.

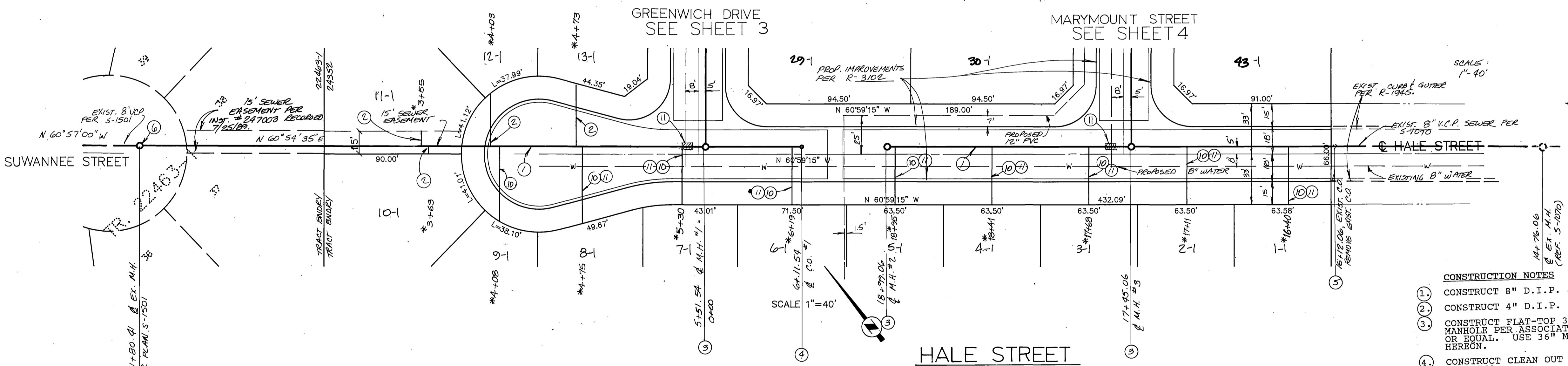
SPECIAL NOTE FROM PRIVATE ENGINEER TO CONTRACTOR

CONTRACTOR AGREES THAT HE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS 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 WILL DEFEND, INDEMNIFY AND HOLD THE OWNER AND THE ENGINEER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING FOR LIABILITY, ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER OR THE ENGINEER.

CITY OF RIVERSIDE WATER DEPT. Richard L. Diebel 3-20-90 APPROVED DATE	 1921 E. SAMPSON ST. CORONA, CALIFORNIA 91719 (714) 272-6580 Dennis C. Farnsworth 1-2-90 DENNIS FARNSWORTH RCE 31653 DATE	BENCHMARK DESCRIPTION: CITY OF RIVERSIDE NO. J7-K PER F.B. 847/16. PK NAIL AND TAG IN EAST CURB OF MAIN STREET 18'+ SOUTH OF BCR AT COLUMBIA AVENUE. ELEV. 813.23	CITY OF RIVERSIDE PUBLIC WORKS DEPARTMENT APPROVED BY: [Signature] DATE: 4/22/90 PRINCIPAL ENGINEER: [Signature] DATE: 4/19/90 PARK DEPARTMENT TRAFFIC DIVISION CHIEF P.W. ENGINEER: [Signature] DATE: 4/22/90	SEWER IMPROVEMENT PLANS TRACT 24352 TRACT 24352-1 SHEET 1 OF 6 HORIZ. SCALE: AS NOTED VERT. SCALE:	S-15.67 INDEXED 5-10-90 LHM
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SCALES
 HORZ 1"=40'
 VERT 1"=4'



- CONSTRUCTION NOTES**
1. CONSTRUCT 8" D.I.P. SEWER.
 2. CONSTRUCT 4" D.I.P. SEWER LATERAL.
 3. CONSTRUCT FLAT-TOP 36" I.D. PRECAST MANHOLE PER ASSOCIATED CONCRETE PRODUCTS OR EQUAL. USE 36" MANHOLE LID PER DETAIL HEREON.
 4. CONSTRUCT CLEAN OUT PER CITY OF RIVERSIDE STD. 560.
 5. REMOVE EXISTING CLEANOUT.
 6. CORE DRILL INTO EXISTING MANHOLE.
 10. CONSTRUCT 4" D.I.P. SEWER LATERAL W/ WYES FLAT. NO JOINTS IN WATER LINE 9' EA. SIDE OF WATER CROSSING.
 11. CONSTRUCT SEWER ENCASEMENT PER CITY WATER DEPT. STDS. CWD-021 & CWD-022 & CWD-023.
 12. CONSTRUCT 4" V.C.P. SEWER LATERAL W/ WYES FLAT. NO JOINTS IN WATER LINE 9' EA. SIDE OF WATER CROSSING.



CITY OF RIVERSIDE
 WATER DEPT.
 Richard L. Duda 3-20-90
 APPROVED DATE

JDR CORPORATION
 1921 E. SAMPSON ST. CORONA, CALIFORNIA 91719 (714) 272-8580
 DENNIS FARNSWORTH P.E. 31653 DATE 1-2-90

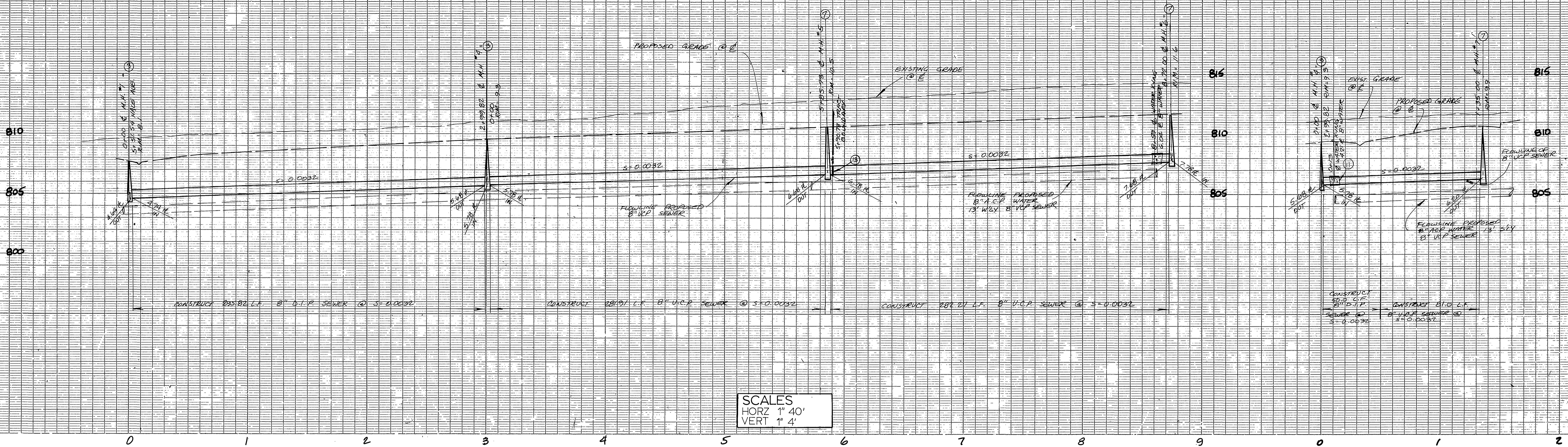
MARK REVISIONS APPR. DATE
 DESIGNED BY JDR DRAWN BY JDR CHECKED BY DCF

BENCHMARK
 DESCRIPTION: CITY OF RIVERSIDE NO. J7-K PER F.B. 847/16. PK NAIL AND TAG IN EAST CURB OF MAIN STREET 18'+ SOUTH OF BCR AT COLUMBIA AVENUE. ELEV. 813.23

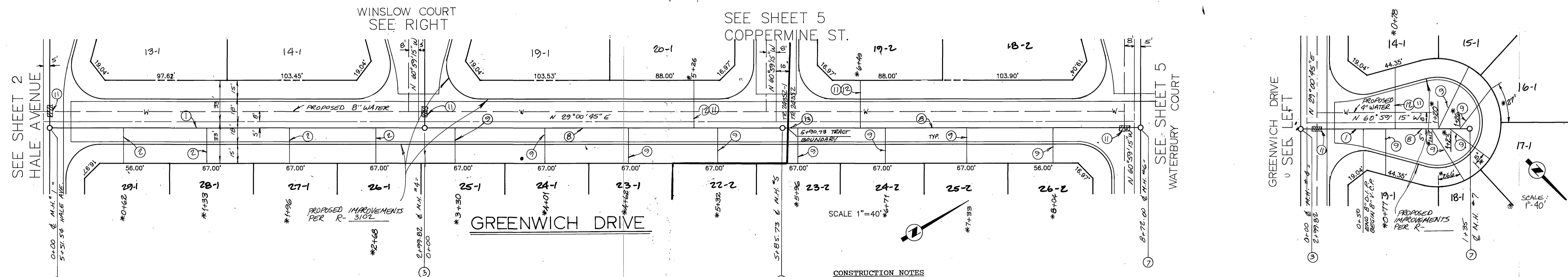
CITY OF RIVERSIDE PUBLIC WORKS DEPARTMENT

APPROVED BY	DATE BY	APPROVED BY
PRINCIPAL ENGINEER	11/10/90	<i>Bruce Paul</i>
PARK DEPARTMENT		PUBLIC WORKS DIVISION
TRAFFIC DIVISION		DATE
CHIEF P.W. ENGINEER	1/1/90	1/22/90

TRACT 24352
 SEWER PLAN & PROFILE
HALE STREET
 S-1567
 SHEET 2 OF 6
 HORIZ. SCALE: 1"=40' VERT. SCALE: 1"=4'



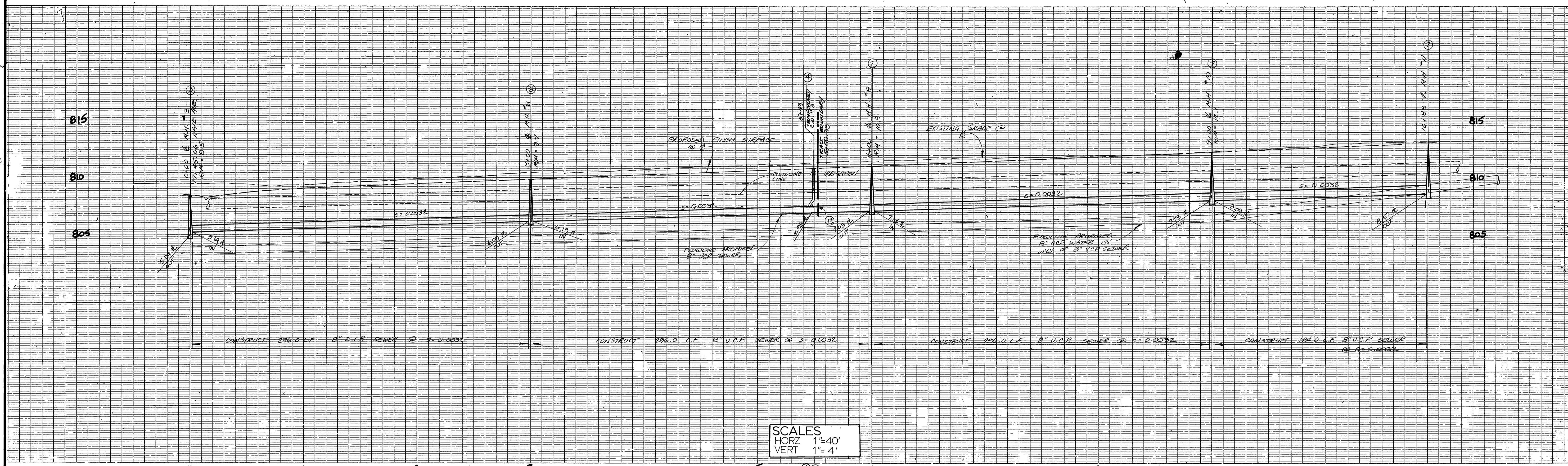
SCALES
 HORZ 1" = 40'
 VERT 1" = 4'



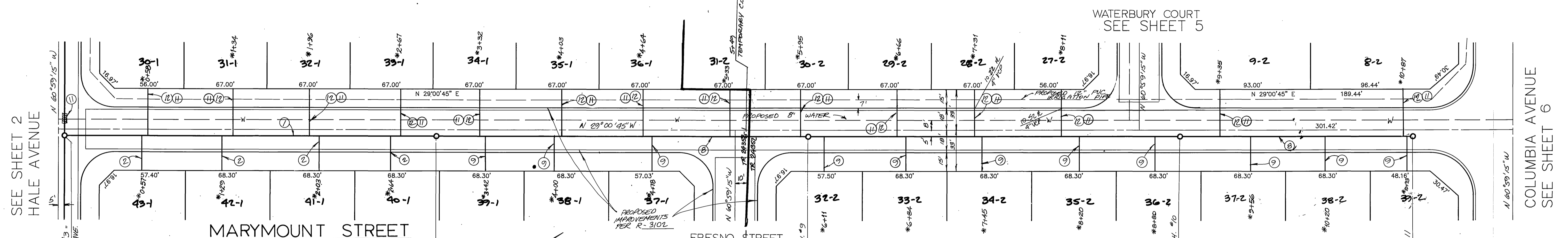
- CONSTRUCTION NOTES**
1. CONSTRUCT 8" D.I.P. SEWER.
 2. CONSTRUCT 4" D.I.P. SEWER LATERAL.
 3. CONSTRUCT FLAT-TOP 36" I.D. PRECAST MANHOLE PER ASSOCIATED CONCRETE PRODUCTS OR EQUAL. USE 36" MANHOLE LID PER DETAIL HEREON.
 7. CONSTRUCT STANDARD PRECAST MANHOLE PER CITY OF RIVERSIDE STD. 500.
 8. CONSTRUCT 8" V.C.P. SEWER.
 9. CONSTRUCT 4" V.C.P. SEWER LATERAL.
 11. CONSTRUCT SEWER ENCASUREMENT PER CITY WATER DEPT. SIDS, CWD-021 & CWD-022 & CWD-023.
 12. CONSTRUCT 4" V.C.P. SEWER LATERAL w/ WYES FLAT. NO JOINTS IN WATER LINE 9' EA. SIDE OF WATER CROSSING.
 8. CONSTRUCT SUB & PUG PER CITY OF RIVERSIDE STD. 500.



CITY OF RIVERSIDE WATER DEPT. Richard D. Deibel 329 APPROVED DATE	 1921 E. SAMPSON ST. CORONA, CALIFORNIA 91719 (714) 272-8500 DENNIS C. FARNSWORTH RCE 31653 DATE	BENCHMARK DESCRIPTION: CITY OF RIVERSIDE NO. J7-K PER F.B. 847/16. PK NAIL AND TAG IN EAST CURB OF MAIN STREET 131+ SOUTH OF BCR AT COLUMBIA AVENUE. ELEV. 813.23	CITY OF RIVERSIDE PUBLIC WORKS DEPARTMENT		TRACT 24352 SEWER PLAN & PROFILE GREENWICH DRIVE WINSLOW COURT	S-1567 SHEET 3 OF 6
			APPROVED BY: <i>Dennis C. Farnsworth</i> DATE: 9/22/00	APPROVED BY: <i>Dennis C. Farnsworth</i> PUBLIC WORKS DIRECTOR DATE: 9/22/00	HORIZ. SCALE: 1" = 40' VERT. SCALE: 1" = 4'	



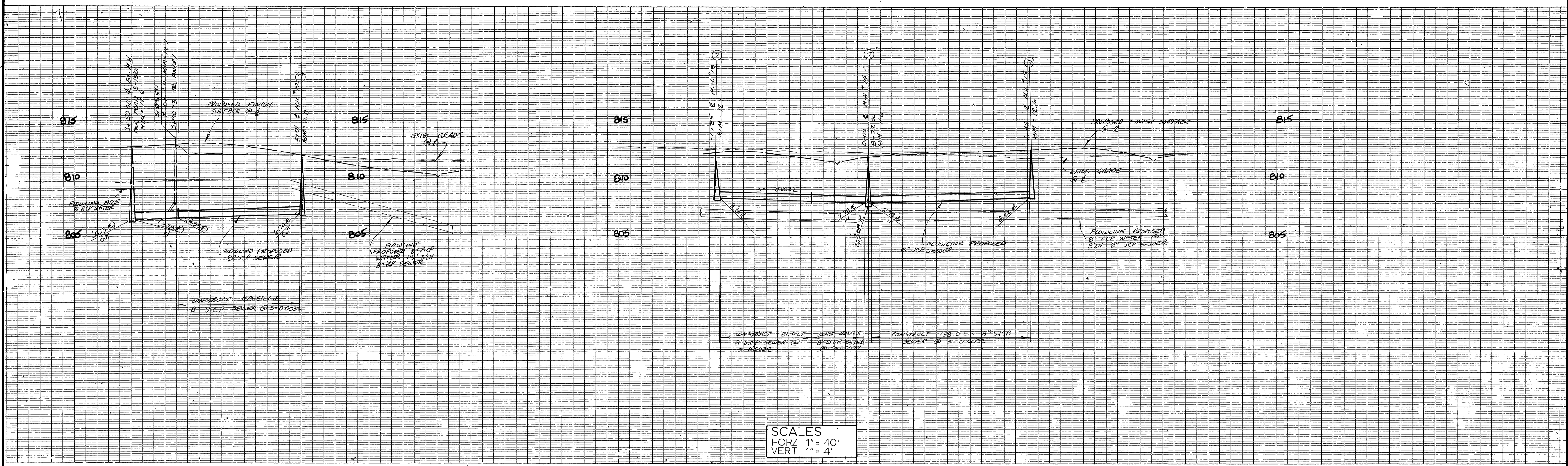
SCALES
 HORZ 1"=40'
 VERT 1"=4'



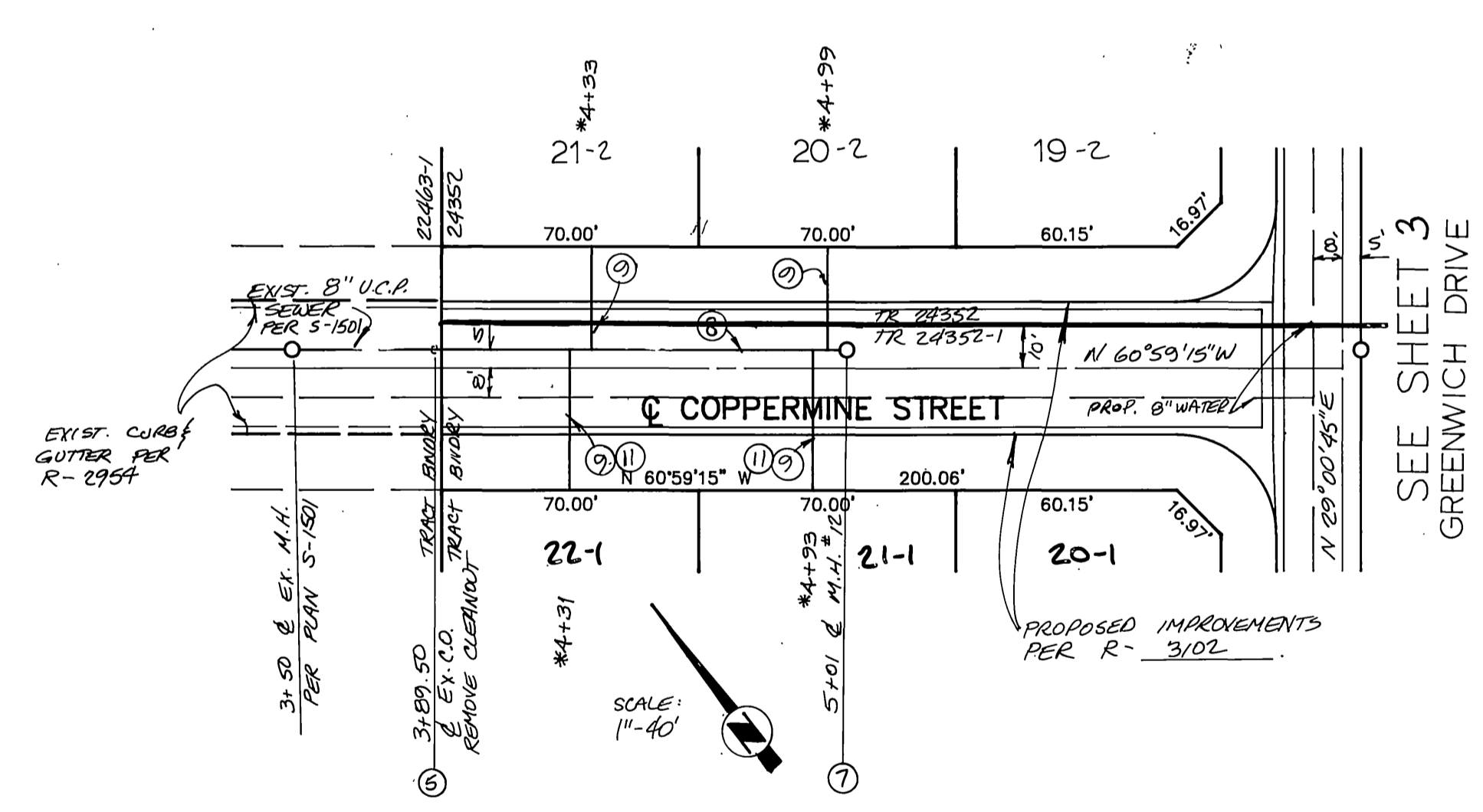
- CONSTRUCTION NOTES**
- (1) CONSTRUCT 8" D.I.P. SEWER.
 - (2) CONSTRUCT 4" D.I.P. SEWER LATERAL.
 - (3) CONSTRUCT FLAT-TOP 36" I.D. PRECAST MANHOLE PER ASSOCIATED CONCRETE PRODUCTS OR EQUAL. USE 36" MANHOLE LID PER DETAIL HEREON.
 - (7) CONSTRUCT STANDARD PRECAST MANHOLE PER CITY OF RIVERSIDE STD. 500.
 - (8) CONSTRUCT 8" V.C.P. SEWER.
 - (9) CONSTRUCT 4" V.C.P. SEWER LATERAL.
 - (11) CONSTRUCT SEWER ENCASMENT PER CITY WATER DEPT. STDS. CWD-021 & CWD-022 & CWD-023.
 - (12) CONSTRUCT 4" V.C.P. SEWER LATERAL W/ WYES FLAT. NO JOINTS IN WATER LINE 9' EA. SIDE OF WATER CROSSING.
 - (14) CONSTRUCT CLEANOUT PER CITY OF RIVERSIDE STD. 500.
 - (15) CONSTRUCT 8" STD AND PLUG PER CITY OF RIVERSIDE STD. 500.



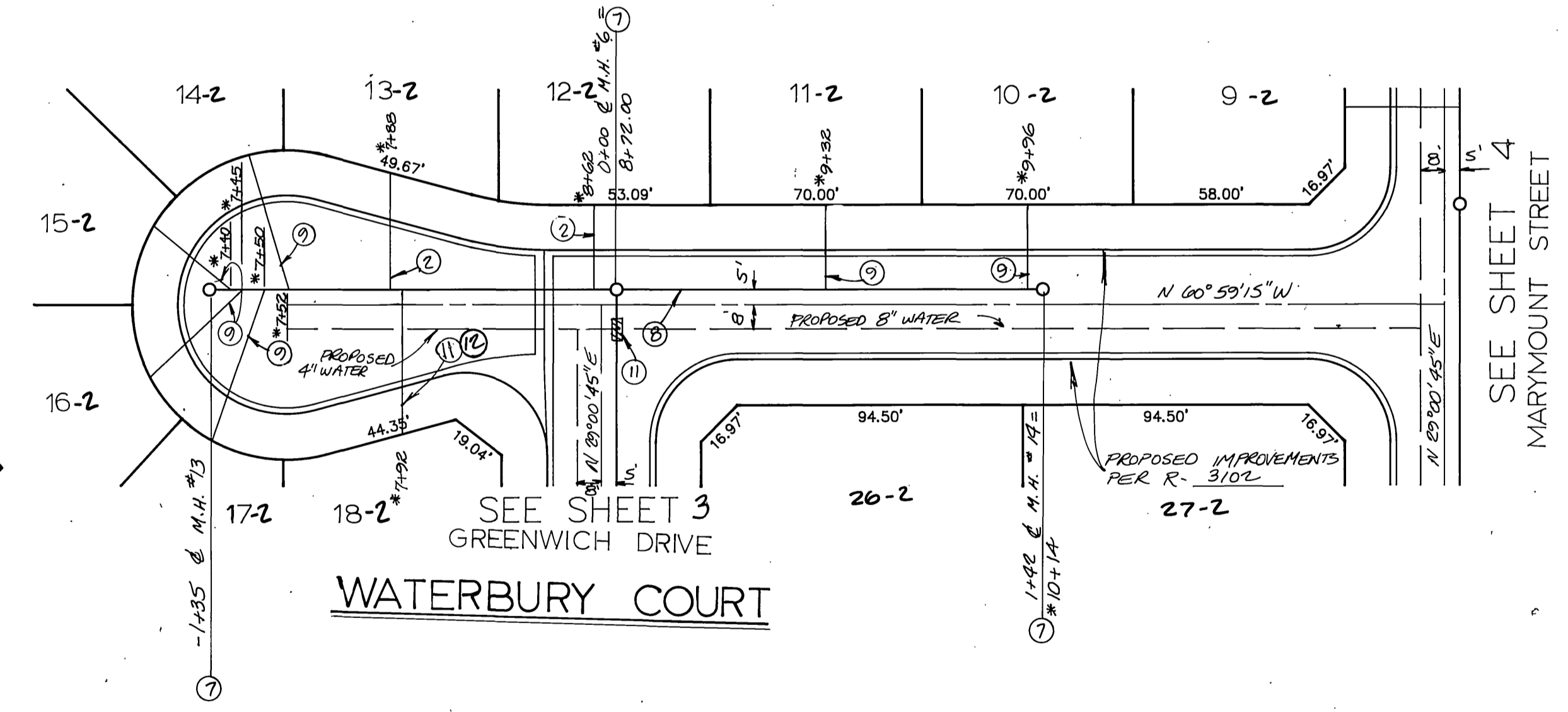
SEE SHEET 2 HALE AVENUE	SEE SHEET 6 COLUMBIA AVENUE	CITY OF RIVERSIDE WATER DEPT. Richard J. Deibel 3-20-90 APPROVED DATE	1921 E. SAMPSON ST. CORONA, CALIFORNIA 91719 (714) 272-6580 DENNIS FARNSWORTH R.C.E. 31653 DATE	BENCHMARK DESCRIPTION: CITY OF RIVERSIDE NO. J7-K PER F.B. 847/16. PK NAIL AND TAG IN EAST CURB OF MAIN STREET 18'+ SOUTH OF BCR AT COLUMBIA AVENUE. ELEV. 813.23	CITY OF RIVERSIDE PUBLIC WORKS DEPARTMENT APPROVED BY DATE BY PRINCIPAL ENGINEER 4/17/90 PARK DEPARTMENT TRAFFIC DIVISION CHIEF P.W. ENGINEER 4/22/90 DATE 4/22/90	TRACT 24352 SEWER PLAN & PROFILE MARYMOUNT STREET SHEET 4 OF 6 INDEXED S-10-90 LPH
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1 2 3 4 -2 -1 0 1 2 3



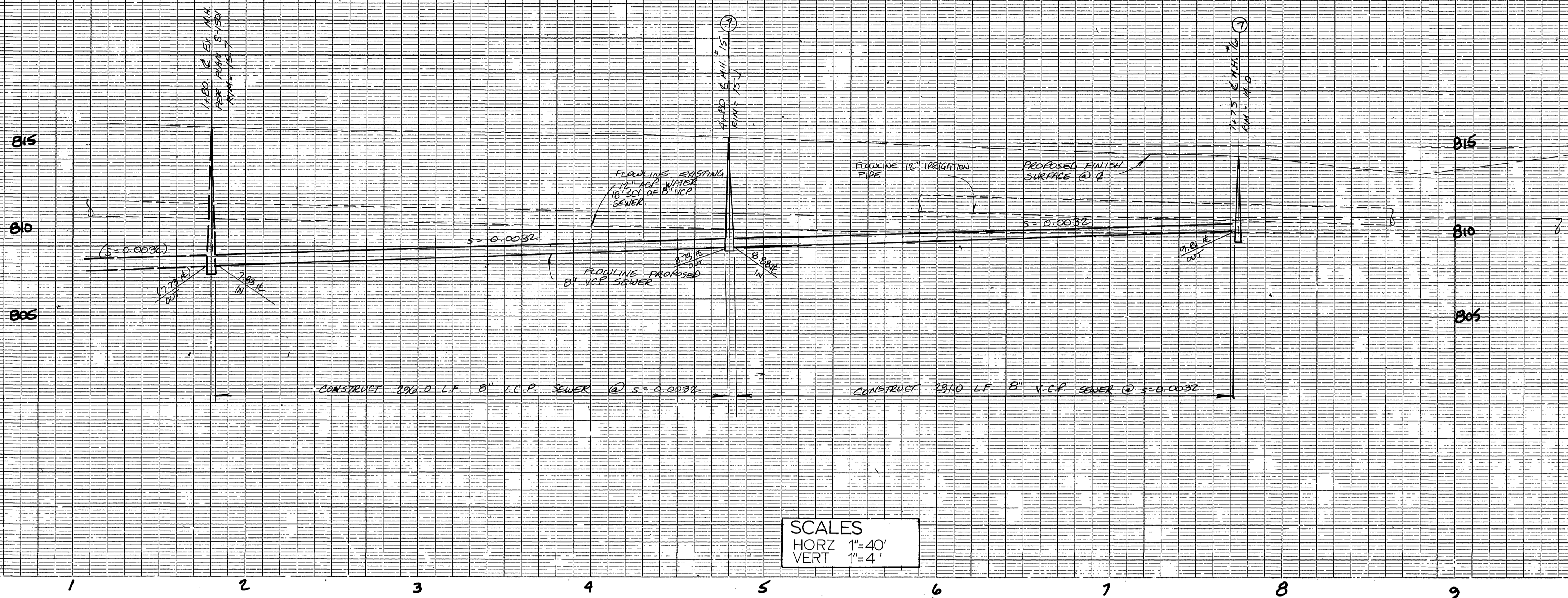
SCALE 1" = 40'



- CONSTRUCTION NOTES**
- ① CONSTRUCT 8" D.I.P. SEWER.
 - ② CONSTRUCT 4" D.I.P. SEWER LATERAL.
 - ③ REMOVE EXISTING CLEANOUT.
 - ④ CONSTRUCT STANDARD PRECAST MANHOLE PER CITY OF RIVERSIDE STD. 500.
 - ⑤ CONSTRUCT 8" V.C.P. SEWER.
 - ⑥ CONSTRUCT 4" V.C.P. SEWER LATERAL.
 - ⑦ CONSTRUCT SEWER ENCASEMENT PER CITY WATER DEPT. STDS. CWD-021 & CWD-022 & CWD-023.
 - ⑧ CONSTRUCT 4" V.C.P. SEWER LATERAL W/ WYES FLAT. NO JOINTS IN WATER LINE 9' EA. SIDE OF WATER CROSSING.

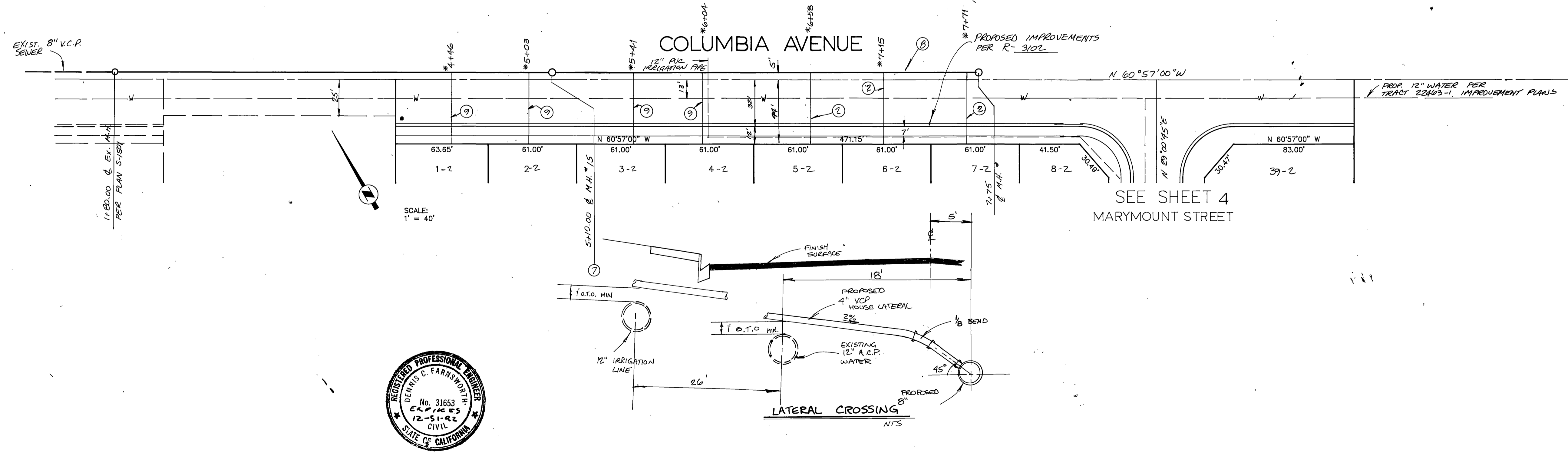


CITY OF RIVERSIDE WATER DEPT. Approved: <i>Ronald D. Deleh</i> 3-20-90 DATE	 1921 E. SAMPSON ST. CORONA, CALIFORNIA 91719 (714) 272-6580 DENNIS FARNSWORTH RCE 31653 DATE 1-2-90	BENCHMARK DESCRIPTION: CITY OF RIVERSIDE NO. J7-K PER P.B. 847/16. PK NAIL AND TAG IN EAST CURB OF MAIN STREET 18'+ SOUTH OF BCR AT COLUMBIA AVENUE. ELEV. 813.23	CITY OF RIVERSIDE PUBLIC WORKS DEPARTMENT APPROVED BY: <i>Randy Bell</i> DATE: 4/22/90 PRINCIPAL ENGINEER PARK DEPARTMENT TRAFFIC DIVISION CHIEF P.W. ENGINEER	TRACT 24352 SEWER PLAN & PROFILE COPPERMINE STREET WATERBURY COURT HORIZ SCALE: 1" = 40' VERT SCALE: 1" = 4'	S-1567 SHEET 5 OF 6 INDEXED S-10-90 44
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SCALES
 HORZ 1"=40'
 VERT 1"=4'

- CONSTRUCTION NOTES**
- ⑦ CONSTRUCT STANDARD PRECAST MANHOLE PER CITY OF RIVERSIDE STD. 500.
 - ⑧ CONSTRUCT 8" V.C.P. SEWER.
 - ⑨ CONSTRUCT 4" V.C.P. SEWER LATERAL.
 - ② CONSTRUCT 4" D.I.P. SEWER LATERAL.



CITY OF RIVERSIDE WATER DEPT. <i>Richard J. Doherty</i> APPROVED DATE 3/20/90	 1921 E. SAMPSON ST. CORONA, CALIFORNIA 91719 (714) 272-6580 DENNIS FARNSWORTH P.E. 31653 DATE 1-2-90	BENCHMARK DESCRIPTION: CITY OF RIVERSIDE NO. J7-K PER F.B. 847/16. PK NAIL AND TAG IN EAST CURB OF MAIN STREET 18'+ SOUTH OF BCR AT COLUMBIA AVENUE. ELEV. 813.23	CITY OF RIVERSIDE PUBLIC WORKS DEPARTMENT APPROVED BY: <i>Dennis C. Farnsworth</i> DATE: 4/22/90 PRINCIPAL ENGINEER PARK DEPARTMENT TRAFFIC DIVISION CHIEF P.W. ENGINEER	TRACT 24352 SEWER PLAN & PROFILE COLUMBIA STREET SHEET 6 OF 6	S-1567 INDEXED 5-10-90
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