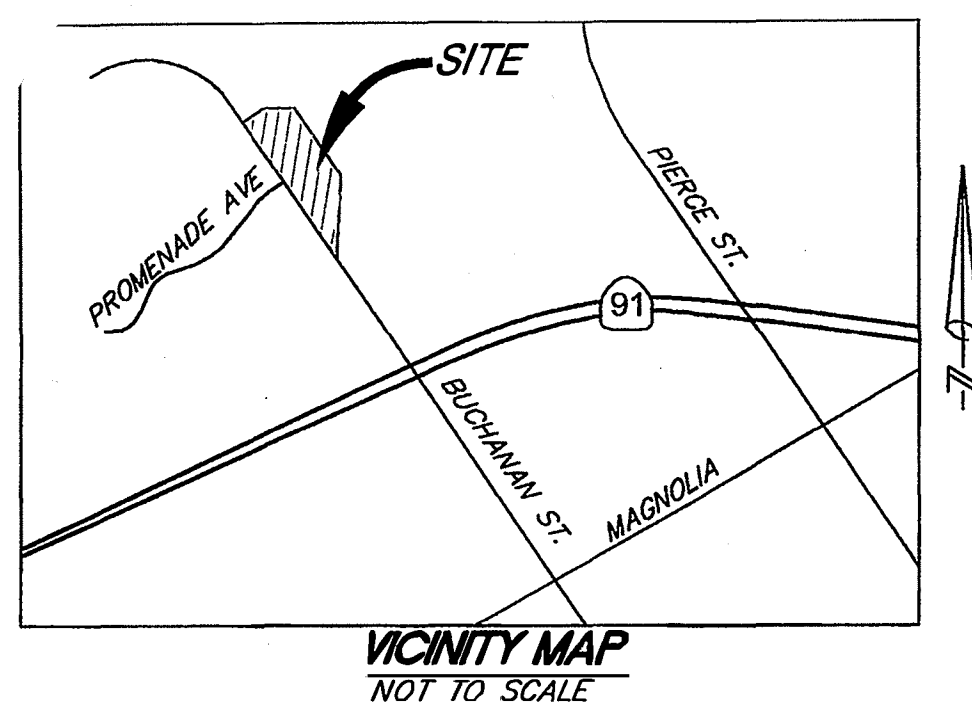


TRACT 32165 SEWER IMPROVEMENT PLAN



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 DEPARTMENT OF PUBLIC WORKS, STANDARDS DRAWINGS, ITS SUPPLEMENTAL NOTES, 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 ELEVATIONS PRIOR TO CONSTRUCTION.
6. THE SEWER CONTRACTOR SHALL ADJUST MANHOLES TO FINAL GRADE AFTER PAVING IS COMPLETED.
7. NO FINISH FLOOR ELEVATION SHALL BE LESS THAN 6" ABOVE THE UPPER MANHOLE RIM ELEVATION OF THE SEWER LINE SEGMENT BEING CONNECTED TO, WITHOUT HAVING A PROPER BACKWATER VALVE INSTALLED IN THE LATERAL.
8. 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.
9. ALL MANHOLES TO BE CITY OF RIVERSIDE STANDARD 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. 1-800-227-2600, 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 USA.
12. THE DEVELOPER SHALL BE RESPONSIBLE FOR PRESERVING OR REESTABLISHING AND REFERENCING SURVEY MONUMENTS DESTROYED, DISTURBED OR BURIED AS A RESULT OF CONSTRUCTION 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 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 OR ANY OTHER LINES NOT OF RECORD OR NOT SHOWN ON THESE PLANS.
14. QUANTITIES SHOWN ARE FOR INFORMATION ONLY THE CITY OF RIVERSIDE IS NOT RESPONSIBLE FOR THEIR ACCURACY.
15. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL POTHOLE ALL UTILITY CROSSINGS AND CONNECTION AND VERIFY THE LOCATION AND ELEVATION OF ALL UTILITIES AFFECTED. THE ENGINEER SHALL BE NOTIFIED OF ANY DISCREPANCIES BEFORE CONSTRUCTION BEGINS.
16. NO PERSONS 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.

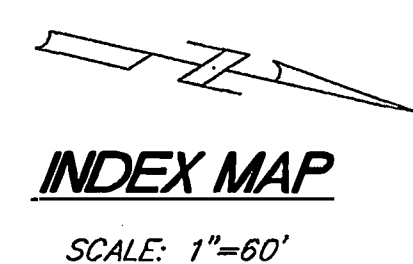
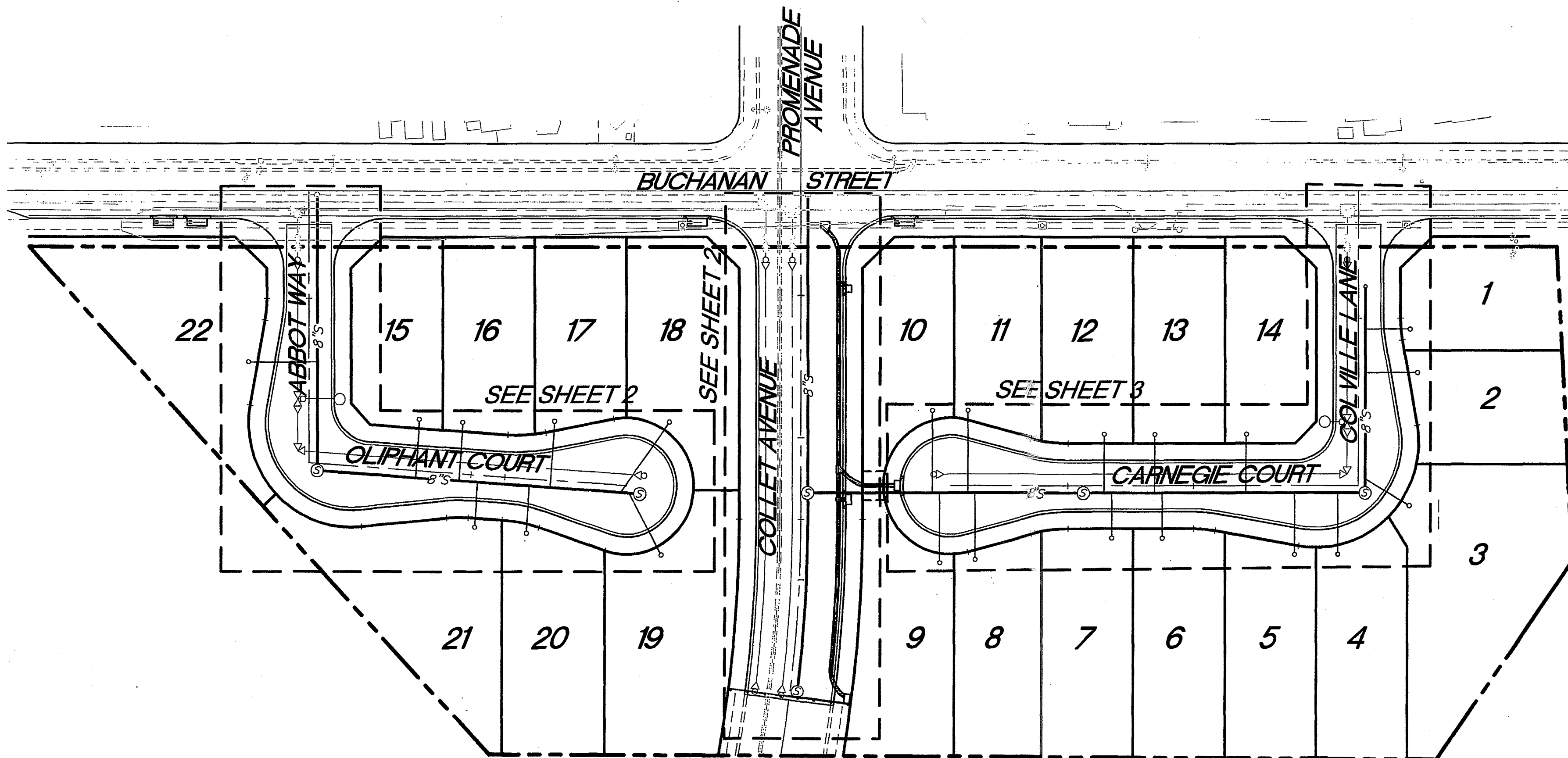
NOTICE TO CONTRACTOR

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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.

CALL UNDERGROUND SERVICE ALERT (USA) 1-800-227-2600 AT LEAST 48 HOURS PRIOR TO EXCAVATION.

THE QUANTITY ESTIMATE SHOWN HEREON IS FOR THE USE OF GOVERNING AGENCIES IN DETERMINING BOND AMOUNTS AND/OR FEES AND IS NOT TO BE USED FOR BID PURPOSES.



LEGEND

- PROPOSED 8" V.C.P. SEWER MAIN
- PROPOSED SEWER LATERAL WITH CLEANOUT
- PROPOSED SEWER MANHOLE
- EXISTING SEWER MAIN

BENCH MARK:

POINT ID: E1-A2 ELEV: 857.147
BRASS DISK STAMPED E1-A2 IN CONCRETE IN TOP OF LARGE ROCK AT THE NORTHERLY END OF BUCHANAN STREET, 100 FEET WESTERLY AND 40 FEET SOUTHERLY OF A HOUSE AT 4613 BUCHANAN STREET.

CONSTRUCTION NOTES AND QUANTITIES

- | | | |
|---|---|----------------|
| 1 | CONSTRUCT 8" SEWER MAIN (BEDDING CASE 1 PER CITY OF RIVERSIDE STD. 452) | 1,311 LF |
| 2 | CONSTRUCT SEWER MANHOLE PER CITY OF RIVERSIDE STD. 500 | 7 EA |
| 3 | CONSTRUCT 4" SEWER LATERAL WITH CLEANOUT @ P.L. PER CITY OF RIVERSIDE STD. 562A | 911 LF / 22 EA |
| 4 | CONSTRUCT 8" SEWER END PLUG | 1 EA |
| 5 | CONSTRUCT 8" SEWER CLEANOUT PER RIM, CITY STD. 560 | 1 EA |

CITY BUSINESS TAX CERTIFICATE NO. 107994 EXP. 06/13/06

PN05-0169

Underground Service Alert
CALL BEFORE YOU DIG
CALL: TOLL FREE
1-800-227-2600
TWO WORKING DAYS BEFORE YOU DIG

CITY OF RIVERSIDE
WATER SYSTEM

MW McNeil
APPROVED BY
DATE 8/4/05

SDH & Associates, Inc
Civil Engineering - Land Planning
5225 Canyon Crest Drive Bldg. 300 Suite 357
Riverside, California 92507
TEL: (951) 788-2344 FAX (951) 788-2314

REGISTERED PROFESSIONAL ENGINEER
BRIAN G. ESGATE
No. 21884
Exp. 9-30-05
CIVIL
STATE OF CALIFORNIA

PREPARED UNDER THE SUPERVISION OF:
BRIAN G. ESGATE
DATE 8/3/05
R.C.E.# 21884 EXP: 9-30-05

MARK REVISIONS APR. DATE

DESIGNED BY S.S. DRAWN BY T.S. CHECKED BY S.F.B.G.E.

CITY OF RIVERSIDE, CALIFORNIA
PUBLIC WORKS DEPARTMENT

APPROVED BY [Signature] DATE 10/1/05
CITY ENGINEER

TRACT 32165
SEWER IMPROVEMENT PLAN

EXP 21289
S-1895
SHEET 1 OF 3
JOB NO. 0405

Profile Scale
 Horiz. 1" = 40 FT.
 Vert. 1" = 8 FT.

785

765

745

785

765

745

800

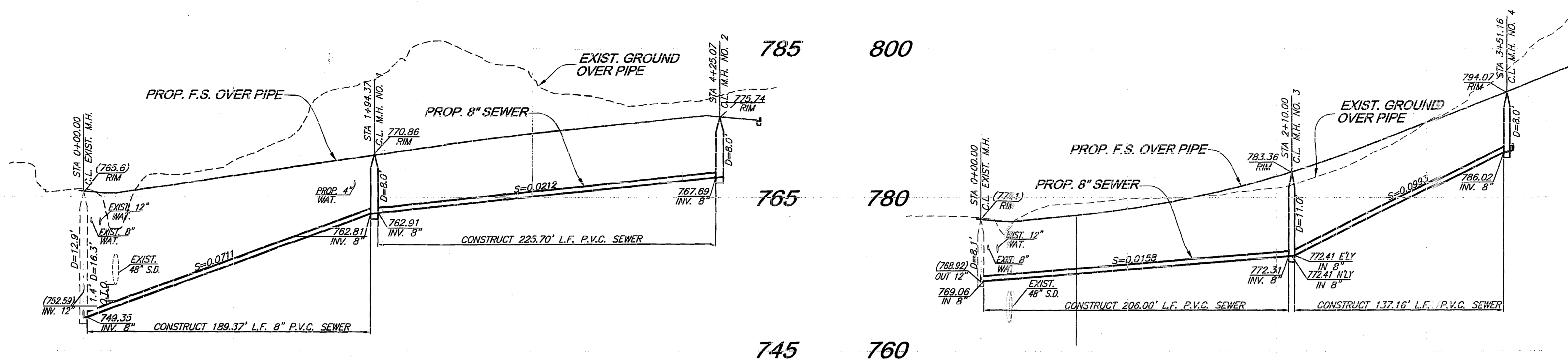
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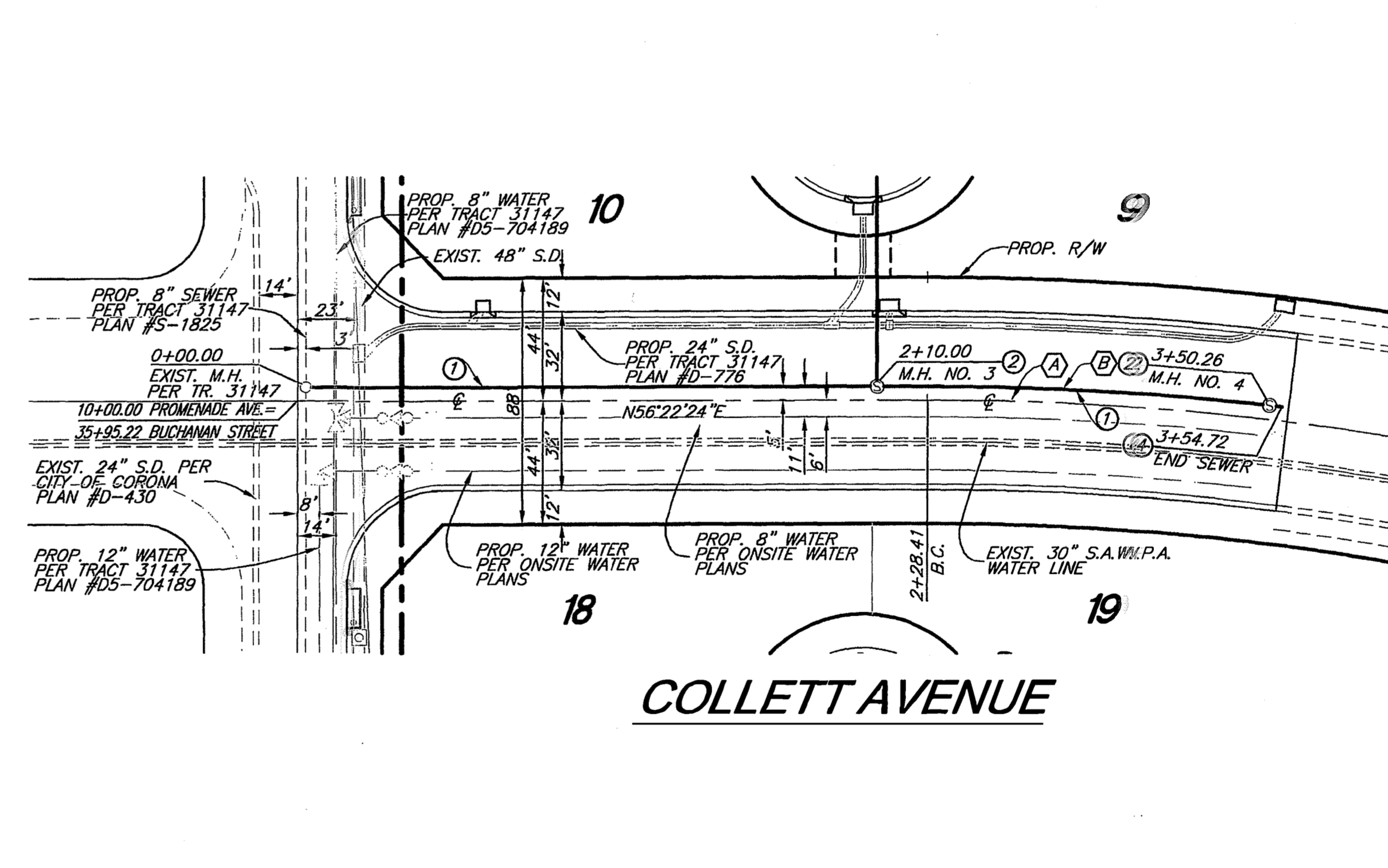
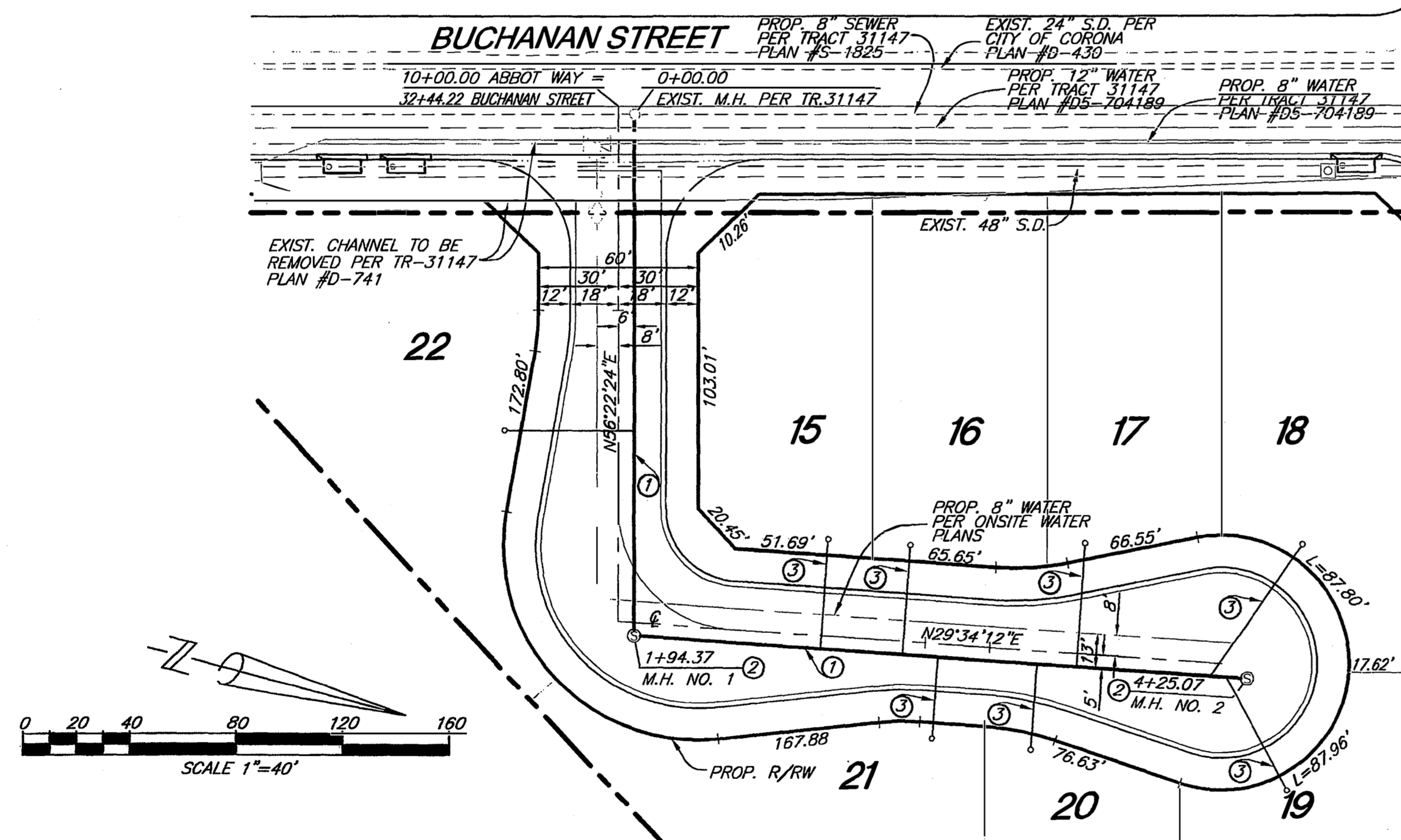
760



0 + 00 1 + 00 2 + 00 3 + 00 4 + 00 0 + 00 1 + 00 2 + 00 3 + 00 4 + 00

CURVE DATA

	DELTA	RADIUS	LENGTH	TANGENT
(A)	9°39'04"	1000.00'	168.44	84.42'
(B)	6°49'16"	1005.00'	119.65	59.89'



ABBOT WAY/ OLIPHANT COURT

BENCHMARK

POINT ID: E1-A2 ELEV: 857.147
 BRASS DISK E1-A IN CONCRETE IN TOP OF A LARGE ROCK
 AT THE NORTHWESTERLY AND OF BUCHANAN STREET, 100
 FEET WESTERLY AND 40 SOUTHERLY OF A HOUSE
 4613 BUCHANAN ST.

CONSTRUCTION NOTES

- ① CONSTRUCT 8" PVC SEWER MAIN PER (BEDDING CASE 1 PER CITY OF RIVERSIDE STD. 453)
- ② CONSTRUCT SEWER MANHOLE PER RIV. CITY STD. 500
- ③ CONSTRUCT 4" SEWER LATERAL WITH CLEANOUT @ P.L. PER CITY OF RIVERSIDE STD. 562A
- ④ CONSTRUCT 8" SEWER END PLUG

CITY BUSINESS TAX CERTIFICATE NO. 107994 EXP. 06/13/06

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 WATER SYSTEM

MW McEl
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 DATE

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 Riverside, California 92507
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PREPARED UNDER THE SUPERVISION OF:
 Brian G. Escate 8/3/2005
 DATE
 BRIAN G. ESCATE
 R.C.E.#: 21884 EXP.: 9-30-05

MARK	REVISIONS	APR.	DATE

CITY OF RIVERSIDE, CALIFORNIA
 PUBLIC WORKS DEPARTMENT
 APPROVED BY: [Signature]
 PRINCIPAL ENG. DATE: 8/3/05
 APPROVED BY: [Signature]
 CITY ENGINEER DATE: 8/4/05
 DESIGNED BY: S.S. DRAWN BY: T.S. CHECKED BY: S.S./B.G.E.

TRACT 32165
 SEWER IMPROVEMENT PLAN
 OLIPHANT COURT/
 COLLETT AVENUE

PA05-0169

S-1895

SHEET 2 OF 3

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

JOB NO. 0405

Profile Scale
 Horiz. 1" = 40 FT.
 Vert. 1" = 8 FT.

810

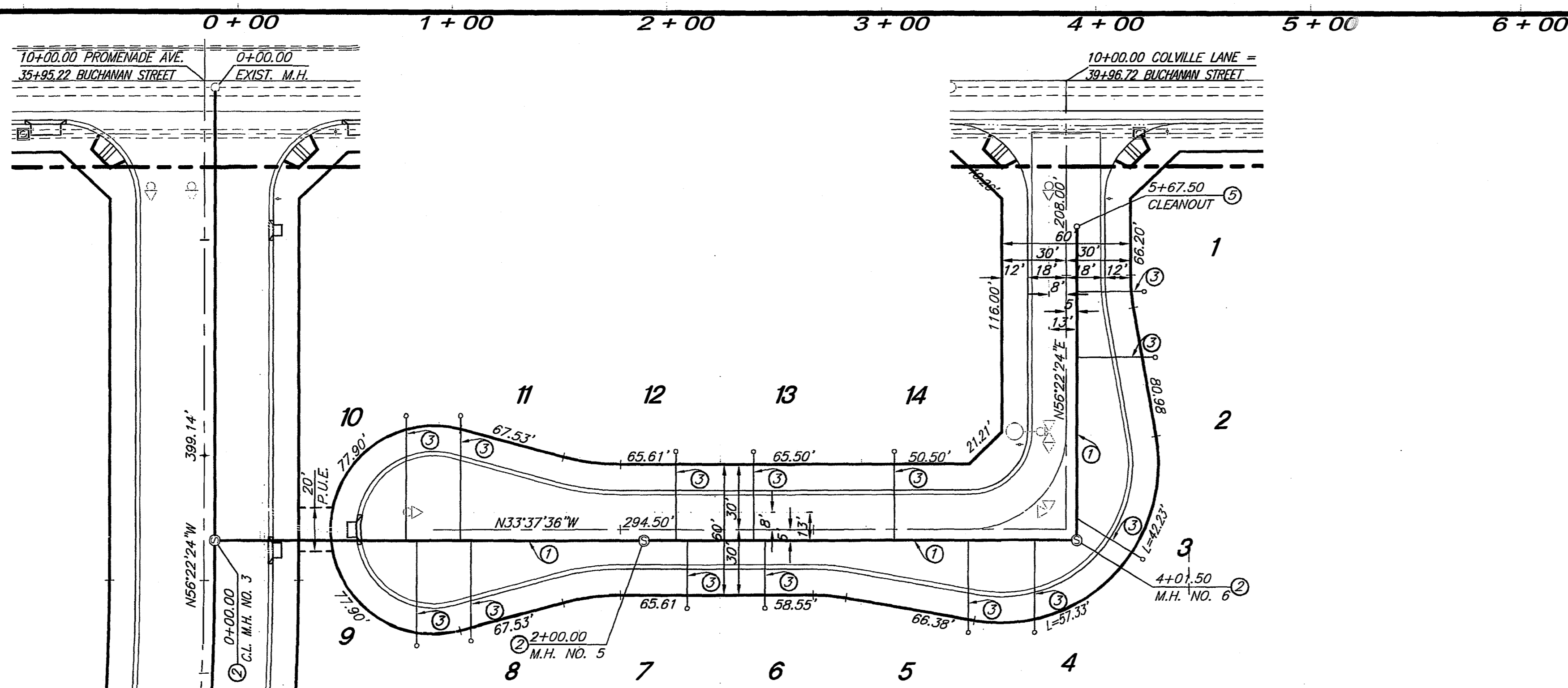
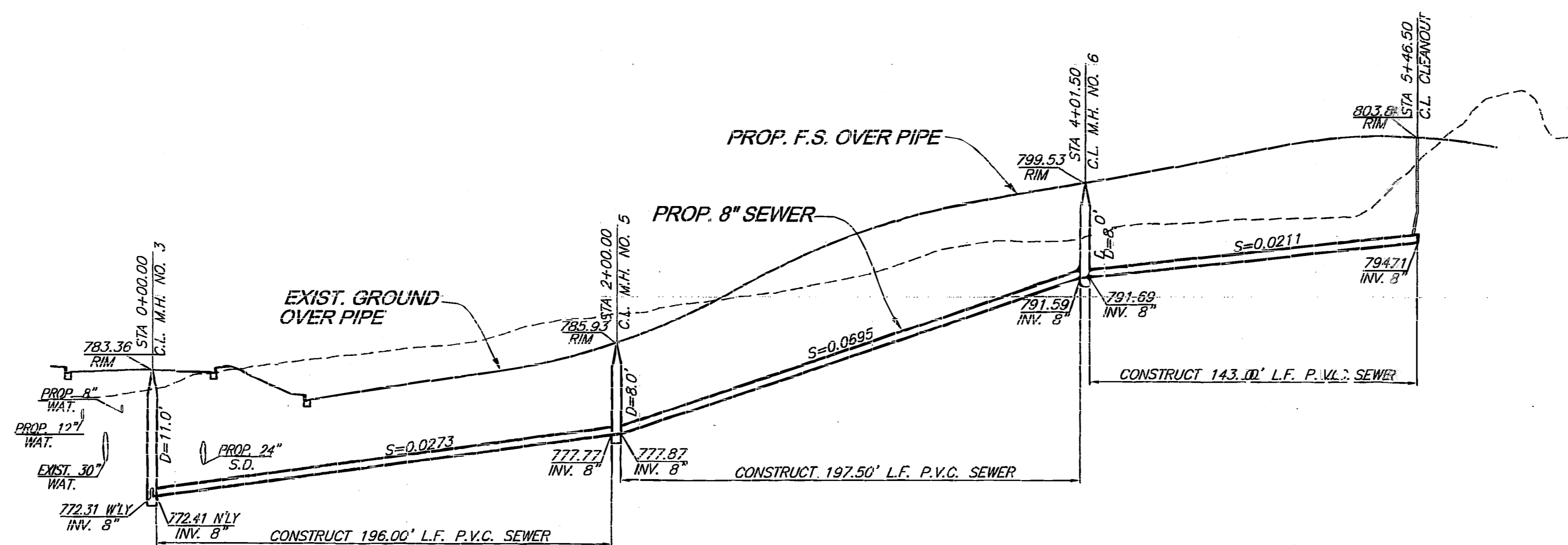
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COLLETT AVENUE
 SEE SHEET 2

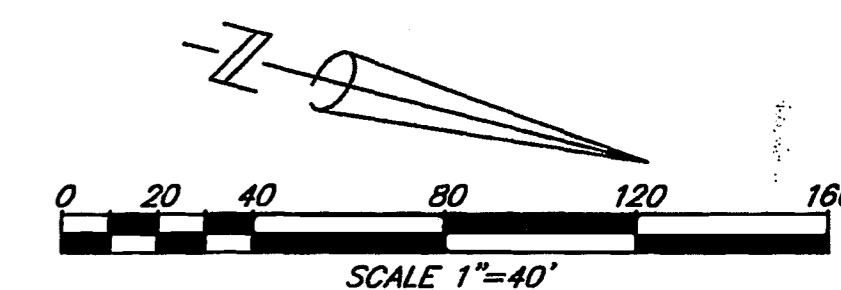
CARNEGIE COURT/ COLVILLE LANE

BENCHMARK

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- ② CONSTRUCT SEWER MANHOLE PER RIV. CITY STD. 500
- ③ CONSTRUCT 4" SEWER LATERAL WITH CLEANOUT @ P.L. PER CITY OF RIVERSIDE STD. 562A
- ④ CONSTRUCT 8" SEWER CLEANOUT PER RIV. CITY STD. 560



CITY BUSINESS TAX CERTIFICATE NO. 107994 EXP. 06/13/05

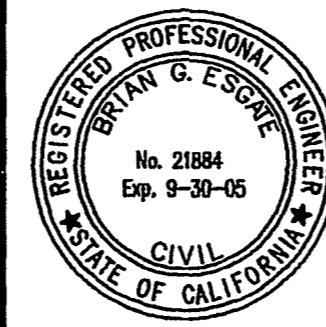
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PREPARED UNDER THE SUPERVISION OF:
 Brian G. Escate
 BRIAN G. ESCATE
 R.C.E.#: 21884 EXP.: 9-30-05

CITY OF RIVERSIDE, CALIFORNIA
 PUBLIC WORKS DEPARTMENT

APPROVED BY: [Signature]
 DATE: 8/4/05
 PRINCIPAL ENG.
 CITY ENGINEER

TRACT 32165
SEWER IMPROVEMENT PLAN
**CARNEGIE COURT/
 COLVILLE LANE**

S-1895
 SHEET 3 OF 3

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