

CITY OF RIVERSIDE GENERAL NOTES

- NO PERSON SHALL PERFORM ANY CONSTRUCTION ACTIVITY OR INSTALL ANY OBJECTS WITHIN THE PUBLIC RIGHT-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.
- 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 APURTANCES AND AT NO COST TO THE CITY.
- CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE CITY OF RIVERSIDE DEPARTMENT OF PUBLIC WORKS, STANDARD DRAWINGS, ITS SUPPLEMENTAL NOTES AND THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, CURRENT EDITION.
- 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 AND RCTD.
- QUANTITIES SHOWN ARE FOR INFORMATION ONLY AND THE CITY OF RIVERSIDE IS NOT RESPONSIBLE FOR THEIR ACCURACY.
- 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.
- ALL FLAGGED ELEVATIONS SHALL BE STAKED IN THE FIELD BY THE PRIVATE ENGINEER.
- THE CONTRACTOR SHALL CALL IN A LOCATION REQUEST TO UNDERGROUND SERVICE ALERT (USA), PHONE# 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.
- CONTRACTOR IS TO VERIFY EXISTING SEWER ELEVATION PRIOR TO CONSTRUCTION.
- LOCATION OF LATERALS TO BE DETERMINED IN THE FIELD AT THE DIRECTION OF THE OWNER. AVOID CONFLICT WITH PROPOSED AND/OR EXISTING FACILITIES.
- NO FINISHED FLOOR ELEVATION SHALL BE LESS THAN 6" ABOVE THE UPPER MANHOLE RIM ELEVATION OF THE SEWER LINE SECTON BEING CONNECTED TO, WITHOUT HAVING A PROPER BACKWATER VALVE INSTALLED IN THE LATERAL.
- 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.
- THE SEWER CONTRACTOR SHALL ADJUST MANHOLES TO FINAL GRADE AFTER PAVING IS COMPLETED.
- PIPES JOINTS FOR VITRIFIED CLAY PIPE SHALL BE TYPE "G" AS SPECIFIED IN SECTION 208-2.3 OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS PROJECTS. IF PLASTIC PIPE IS ALLOWED AS AN ALTERNATIVE, ALL PIPE JOINTS SHALL BE GASKETED. CEMENTED JOINTS SHALL NOT BE ALLOWED.
- THE DEVELOPER AND/OR CONTRACTOR IS RESPONSIBLE FOR PERFORMING A VIDEO INSPECTION OF ALL NEW SEWER AND STORM DRAIN FACILITIES TO BE PUBLICLY OWNED AND MAINTAINED PRIOR TO FINAL ACCEPTANCE OF THE WORK. THE VIDEO INSPECTION MUST BE PERFORMED IN THE PRESENCE OF THE PUBLIC WORKS INSPECTOR. A RECORDING OF THE VIDEO INSPECTION MUST BE SUBMITTED TO THE CITY FOR REVIEW AND ACCEPTANCE.
- ALL TRAFFIC SIGNS, PAVEMENT MARKERS, AND PAVEMENT STRIPES OBLITERATED DUE TO THE CONSTRUCTION OF THIS PROJECT SHALL BE RESTORED TO THE SATISFACTION OF THE COUNTY OF RIVERSIDE.

RIVERSIDE COUNTY GENERAL NOTES:

- IT SHALL BE THE RESPONSIBILITY OF THE DEVELOPER/OWNER OR CONTRACTOR TO APPLY TO THE RIVERSIDE COUNTY TRANSPORTATION DEPARTMENT, PERMIT SECTION, FOR AN ENCROACHMENT PERMIT FOR ALL WORK PERFORMED WITHIN PUBLIC RIGHT-OF-WAY, DEDICATED AND ACCEPTED FOR PUBLIC USE; AND TO BE RESPONSIBLE FOR SATISFACTORY COMPLIANCE FOR ALL CURRENT ENVIRONMENTAL REGULATIONS DURING THE LIFE OF CONSTRUCTION ACTIVITIES FOR THIS PROJECT. ADDITIONAL STUDIES AND/OR PERMITS MAY BE REQUIRED.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CLEARING OF THE PROPOSED WORK AREA, AND RELOCATION COSTS OF ALL EXISTING UTILITIES. PERMITTEE MUST INFORM COUNTY OF CONSTRUCTION SCHEDULE AT LEAST 48 HOURS PRIOR TO BEGINNING OF CONSTRUCTION. PHONE: (951) 955-6885 FOR PARCEL MAPS AND TRACT MAPS.
- ALL WORK SHALL CONFORM TO THE REQUIREMENTS OF THE RIVERSIDE COUNTY TRANSPORTATION DEPARTMENT IMPROVEMENT STANDARDS AND SPECIFICATIONS, LATEST EDITION, COUNTY ORDINANCE NO. 461 AND SUBSEQUENT AMENDMENTS.
- ALL UNDERGROUND FACILITIES, WITH LATERALS, SHALL BE IN PLACE PRIOR TO PAVING THE STREET, INCLUDING, BUT NOT LIMITED TO, THE FOLLOWING: SEWER, WATER, ELECTRIC, GAS, STORM DRAINS.
- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR OR DEVELOPER TO INSTALL AND MAINTAIN ALL CONSTRUCTION REGULATORY, GUIDE AND WARNING SIGNS WITHIN THE PROJECT LIMITS AND ITS SURROUNDINGS TO PROVIDE SAFE PASSAGE FOR THE TRAVELING PUBLIC AND WORKERS UNTIL THE FINAL COMPLETION AND ACCEPTANCE OF THE PROJECT BY THE COUNTY. A TRAFFIC CONTROL PLAN MUST BE SUBMITTED FOR REVIEW AND APPROVAL PRIOR TO OBTAINING AN ENCROACHMENT PERMIT.

GENERAL NOTES:

- ALL MATERIALS USED AND INSTALLATION SHALL CONFORM TO RIVERSIDE COUNTY STANDARDS AND SPECIFICATIONS ORDINANCE 461.
- SEPARATION REQUIREMENTS BETWEEN SEWER AND WATER LINES SHALL CONFORM TO STATE HEALTH CODE STANDARDS.
- TRENCH REPAIR PER STD. 818
- OWNER/CONTRACTOR SHALL BE RESPONSIBLE FOR REPLACEMENT/RELOCATION OF ALL SURVEY MONUMENTS WITHIN THE PROJECT AREA PER LAND SURVEYOR ACT.

SEWER CONSTRUCTION NOTES AND QUANTITY ESTIMATE

THE QUANTITIES SHOWN BELOW ARE FOR BONDING INFORMATION ONLY. THE CONTRACTOR IS TO CONSTRUCT PROJECT PER THESE PLANS AND SUBMIT CONSTRUCTION BID BASED ON THEIR OWN QUANTITY "TAKE-OFF".

- INSTALL 8" VCP TYPE "G" JOINT W/ BEDDING CASE#1 PER CITY OF RIVERSIDE STANDARD 452 3,616 LF
- INSTALL 8" DI W/ "G" JOINTS W/ BEDDING CASE#1 PER CITY OF RIVERSIDE STANDARD 452 645 LF
- INSTALL SEWER LATERAL WITH PL CO PER CITY OF RIVERSIDE STANDARD 562A 69 EA / 1,958 LF
- CONSTRUCT 48" SEWER MANHOLE PER CITY OF RIVERSIDE STANDARD 500 16 EA
- CONSTRUCT BACKWATER VALVE 43 EA

INSPECTION NOTE:

PERMITTEE MUST INFORM COUNTY OF CONSTRUCTION SCHEDULE AT LEAST 48 HOURS PRIOR TO BEGINNING OF CONSTRUCTION. PHONE: (951) 955-6885 FOR PARCEL MAPS AND TRACT MAPS.

NOTE:
WORK CONTAINED WITHIN THESE PLANS SHALL NOT COMMENCE UNTIL AN ENCROACHMENT PERMIT AND/OR A GRADING PERMIT HAS BEEN ISSUED.
THE PRIVATE ENGINEER SIGNING THESE PLANS IS RESPONSIBLE FOR ASSURING THE ACCURACY AND ACCEPTABILITY OF THE DESIGN HEREON. IN THE EVENT OF DISCREPANCIES ARISING AFTER COUNTY APPROVAL OR DURING CONSTRUCTION, THE PRIVATE ENGINEER SHALL BE RESPONSIBLE FOR DETERMINING AN ACCEPTABLE SOLUTION AND REVISING THE PLANS FOR APPROVAL BY THE COUNTY.



PLANS PREPARED BY:
adkan ENGINEERS
Civil Engineering - Surveying - Planning
6879 Airport Drive, Riverside, CA 92504
Tel: (951) 688-0244 Fax: (951) 688-0599
Under the Supervision of: **MJ Adcock** 7-5-17
Date: **7-5-17**

RIVERSIDE COUNTY NOTE
THIS PROJECT IS BONDED AND TO BE INSPECTED BY CONSTRUCTION INSPECTION DIVISION.

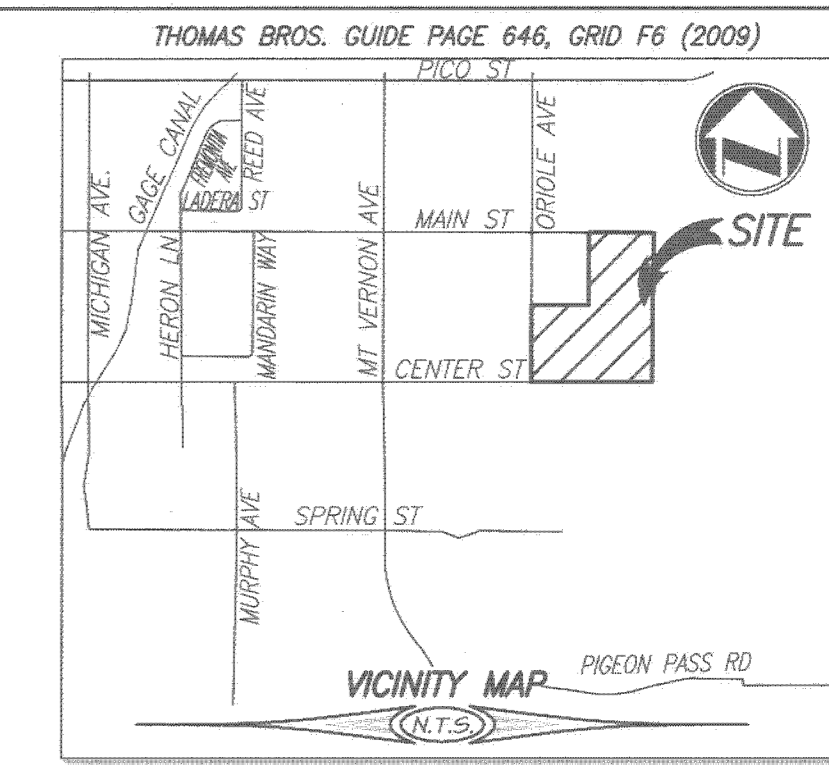
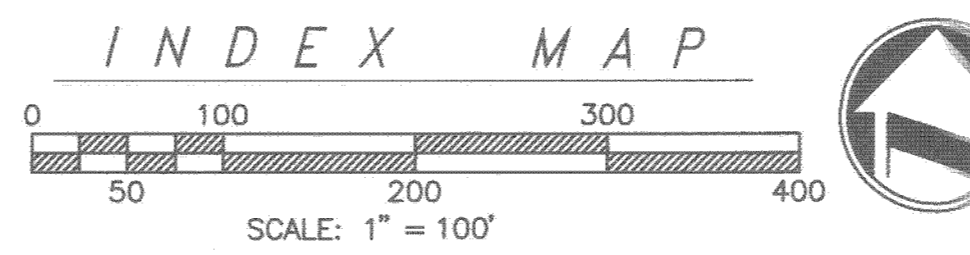
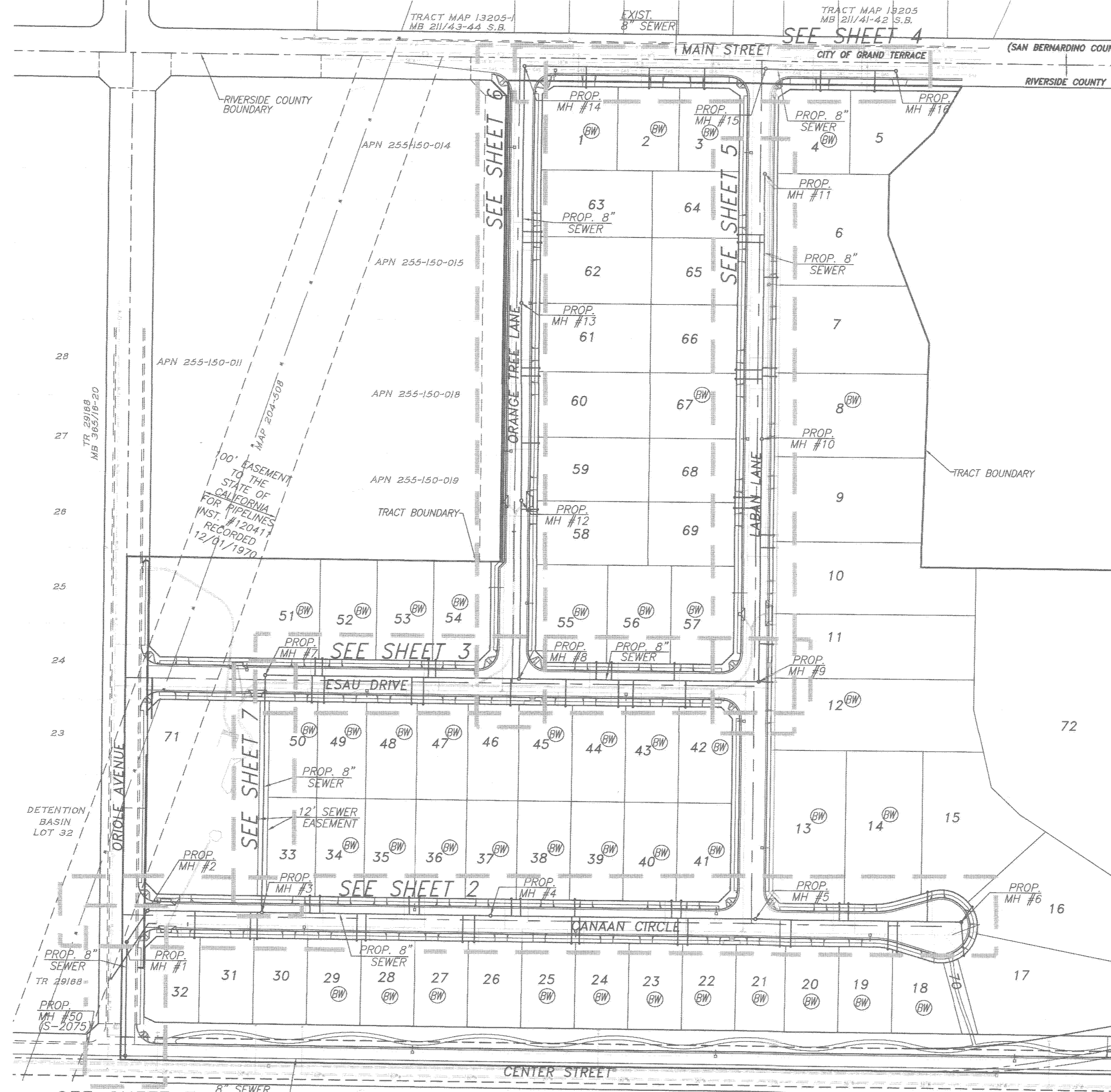
BENCHMARK:
U.S.C.&G.S. B.M. R-449
RIVERSIDE CO. 601-1-68
BRONZE DISK IN HEADWALL
OVER RIVERSIDE CANAL
AQUEDUCT ALONG BNSF RXR 5'
LOWER THAN TRACK.
ELEV.: 9.3341
DATUM NGVD 29

MARK	BY	DATE	REVISIONS	MARK	BY	DATE

CITY OF RIVERSIDE PUBLIC WORKS DEPARTMENT
RECOMMENDS APPROVAL:
[Signature]
PW DIRECTOR/CITY ENGINEER
DATE: **7/11/17**

INDEX OF SHEETS:		COUNTY OF RIVERSIDE SEWER IMPROVEMENT PLANS	
SHEET NO. (S)	DESCRIPTION	ACCOUNT NO.	
SHEET NO. 1	TITLE SHEET		
SHEET NO. 2-7	PLAN AND PROFILE		
SHEET NO. 8	TYPICAL SECTIONS		
TITLE SHEET & INDEX MAP			
ON-SITE TR 32291			
HORIZ. SCALE: AS NOTED	VERT. SCALE: N/A	J.N. 9103	

IN THE UNINCORPORATED TERRITORY OF THE COUNTY OF RIVERSIDE, STATE OF CALIFORNIA
SEWER IMPROVEMENT PLANS
TRACT 32291



OWNER/APPLICANT
HIGHGROVE PROPERTY OWNER, LLC
4590 MAC ARTHUR BLVD., STE. 600
NEWPORT BEACH, CA 92660
TELEPHONE: (949) 748-6714
CONTACT: JO FARRELS

ENGINEER
adkan ENGINEERS
6879 AIRPORT DRIVE
RIVERSIDE, CA 92504
TELEPHONE: (951) 688-0241
FAX: (951) 688-0599

ASSESSOR'S PARCEL NUMBER
255-150-012, 255-150-016, 250-150-017

LAND USE/ZONING
EXIST. ZONING: R-1
PROP. ZONING: R-1
EXIST. LAND USE: VACANT
PROP. LAND USE: SINGLE FAMILY RESIDENTIAL

SOILS ENGINEER
SOILS SOUTHWEST, INC.
1310 SOUTH SANTA ANNE AVENUE
COLTON, CA 92324
TEL: (909) 370-0474
FAX: (909) 370-31156

TOPOGRAPHY SOURCE
INLAND AERIAL SURVEYS, INC.
7117 ARLINGTON AVENUE, SUITE A
RIVERSIDE, CA 92503
TEL: (951) 687-4252
FAX: (951) 687-41220

UTILITY PURVEYORS
WATER: RIVERSIDE/HIGHLAND WATER COMPANY
PHONE: 909-825-4128
SEWER: CITY OF RIVERSIDE
PHONE: 951-826-5341
ELECTRIC: SOUTHERN CALIFORNIA EDISON COMPANY
PHONE: 1-800-655-4555
GAS: SOUTHERN CALIFORNIA GAS COMPANY
PHONE: 1-877-238-0092
TELEPHONE: PACIFIC BELL/SBC
PHONE: 1-800-288-2020
CATV: ADELPHI COMMUNICATIONS
PHONE: 1-800-892-4357

PROJECT AREA
PROJECT AREA: 1,226,145 SF 28.1 AC.

MONUMENT NOTE:
CONTRACTOR SHALL BE RESPONSIBLE FOR ANY MONUMENTATION AND/OR BENCHMARKS WHICH WILL BE DISTURBED OR DESTROYED BY CONSTRUCTION. SUCH POINTS SHALL BE REFERENCED AND REPLACED WITH APPROPRIATE MONUMENTATION BY A LICENSED LAND SURVEYOR OR A REGISTERED CIVIL ENGINEER AUTHORIZED TO PRACTICE LAND SURVEYING. A CORNER RECORD OF SURVEY, AS APPROPRIATE, SHALL BE FILED BY THE LICENSED LAND SURVEYOR OR REGISTERED CIVIL ENGINEER AS REQUIRED BY THE LAND SURVEYOR'S ACT.

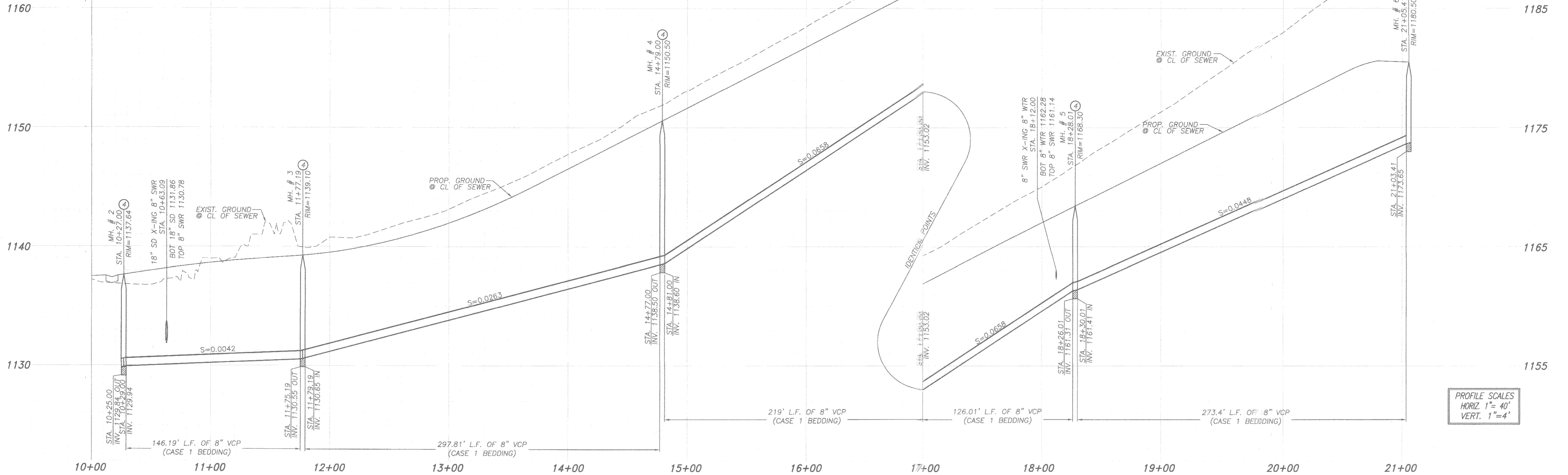
LEGEND

ITEM	EXISTING	PROPOSED
MANHOLE	●	○
SEWER MAIN	—	- - -
WATER MAIN	—	- - -
BOT		
C&G		
EXIST.		
INV.		
MH		
PROP.		
R/W		
S/W		
SWR		
TYP.		
WTR		

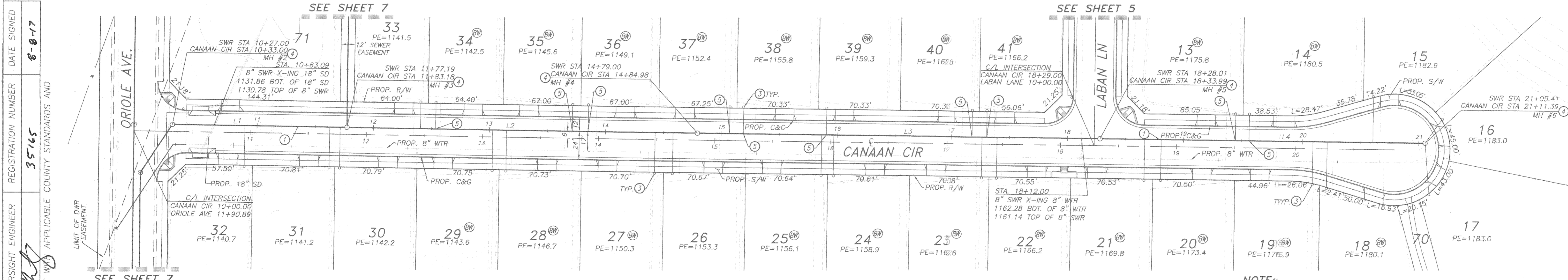
SEWER SYSTEM CERTIFICATION
I CERTIFY THAT THE DESIGN OF THE SEWER SYSTEM IN _____ IS IN ACCORDANCE WITH THE SEWER SYSTEM REQUIREMENTS OF THE CITY OF RIVERSIDE AND THAT THE CITY OF RIVERSIDE HAS PROGRAMMED ADEQUATE CAPACITY TO TREAT THE WASTES FROM THE PROPOSED PROJECT.
GENERAL MANAGER _____ DATE _____

REC'D: **8**
 PLAN CHECK OVERSIGHT ENGINEER: **MJ Adcock**
 REGISTRATION NUMBER: **35165**
 DATE SIGNED: **8-8-17**
 APPROVED AS TO COMPLIANCE WITH APPLICABLE COUNTY STANDARDS AND PRACTICES.

I:\Projects\FORCAST\COMMUNITIES\9103\ENGINEERING\SEWER\9103_SWR01.dwg



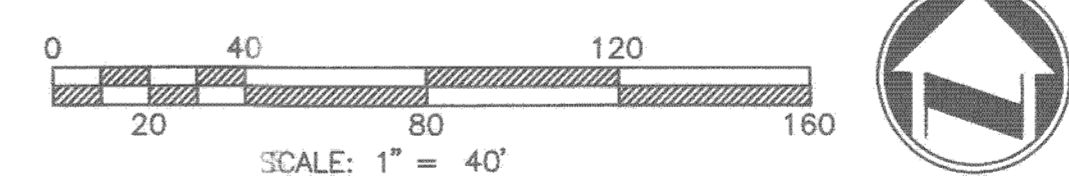
PROFILE SCALES
HORIZ. 1"=40'
VERT. 1"=4'



CONSTRUCTION NOTES

- ① INSTALL 8" VCP TYPE "G" JOINT W/ BEDDING CASE#1 PER CITY OF RIVERSIDE STANDARD 452
- ② INSTALL 8" DI W/ "G" JOINTS W/ BEDDING CASE#1 PER CITY OF RIVERSIDE STANDARD 452
- ③ INSTALL SEWER LATERAL WITH PL CO PER CITY OF RIVERSIDE STANDARD 562A
- ④ CONSTRUCT 48" SEWER MANHOLE PER CITY OF RIVERSIDE STANDARD 500
- ⑤ CONSTRUCT BACKWATER VALVE

LINE TABLE		
LINE	DISTANCE	BEARING
L1	173.19'	N89°11'36"W
L2	297.80'	N89°11'36"W
L3	345.01'	N89°11'36"W
L4	273.40'	N89°11'36"W

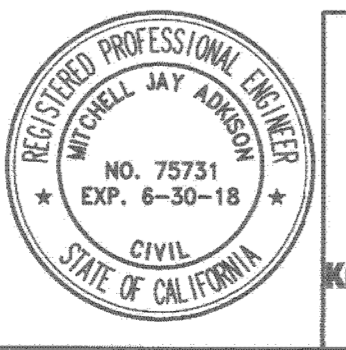


NOTE:
A SEVEN (7) DAY ADVANCED NOTIFICATION IS REQUIRED PRIOR TO STARTING WORK WITHIN DEPARTMENT OF WATER RESOURCES RIGHT OF WAY. CONTACT THE DEPARTMENT OF WATER RESOURCES, DIVISION OF ENGINEERING ENCROACHMENT PERMIT SECTION, SACRAMENTO CALIFORNIA AT 800-800-4397. THE SOUTHERN FIELD DIVISION SHALL BE SIMULTANEOUSLY NOTIFIED AT 661-702-8500.

NOTE:
CONTRACTOR SHALL VERIFY EXACT LOCATION AND ELEVATION OF ALL EXISTING FACILITIES PRIOR TO CONSTRUCTION.

REC'D PLAN CHECK OVERSIGHT ENGINEER DATE SIGNED 8-8-17
 REGISTRATION NUMBER 35765
 APPROVED AS TO COMPLIANCE WITH APPLICABLE COUNTY STANDARDS AND PRACTICES.

NOTE:
WORK CONTAINED WITHIN THESE PLANS SHALL NOT COMMENCE UNTIL AN ENCROACHMENT PERMIT AND/OR A GRADING PERMIT HAS BEEN ISSUED.
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CITY OF RIVERSIDE BUSINESS TAX ACCT.#058833 EXP.1/1/18

PLANS PREPARED BY:
adkan ENGINEERS
Civil Engineering - Surveying - Planning
6879 Airport Drive, Riverside, CA 92504
Tel:(951) 888-0214 Fax:(951) 888-0599
Under the Supervision of: **MJAD 7.5.17**
Michel Jay Adkin, RCE 75731 Date:

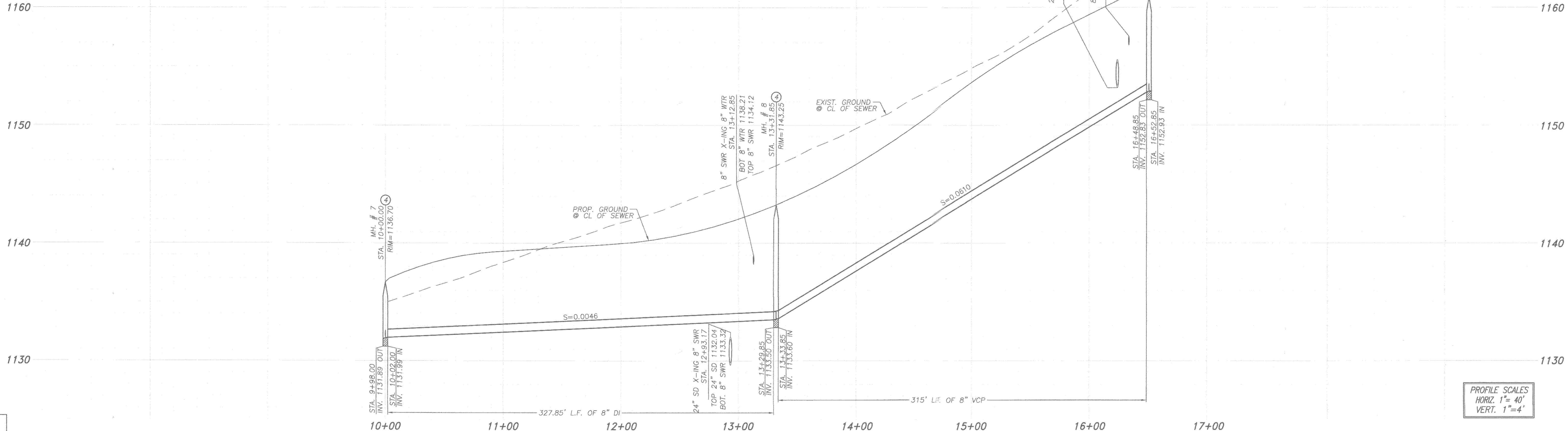
BENCHMARK:
U.S.C.&G.S. B.M. R-449
RIVERSIDE CO. 601-1-68
BRONZE DISK IN HEADWALL
OVER RIVERSIDE CANAL
AQUEDUCT ALONG BNSF RRR 5'
LOWER THAN TRACK.
ELEV.: 9.3341
DATUM NGVD 29

MARK	BY	DATE	REVISIONS	MARK	BY	DATE

CITY OF RIVERSIDE
PUBLIC WORKS DEPARTMENT
RECOMMENDS APPROVAL
PW DIRECTOR/CITY ENGINEER
DATE 8/1/17

COUNTY OF RIVERSIDE
SEWER IMPROVEMENT PLANS
ON-SITE SEWER
CANAA CIRCLE
ON-SITE TR 32291
HORIZ. SCALE: AS NOTED VERT. SCALE: N/A

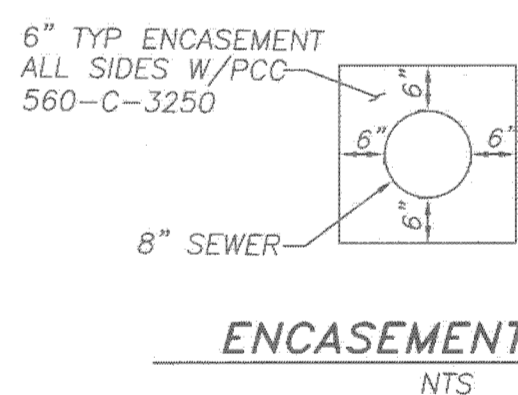
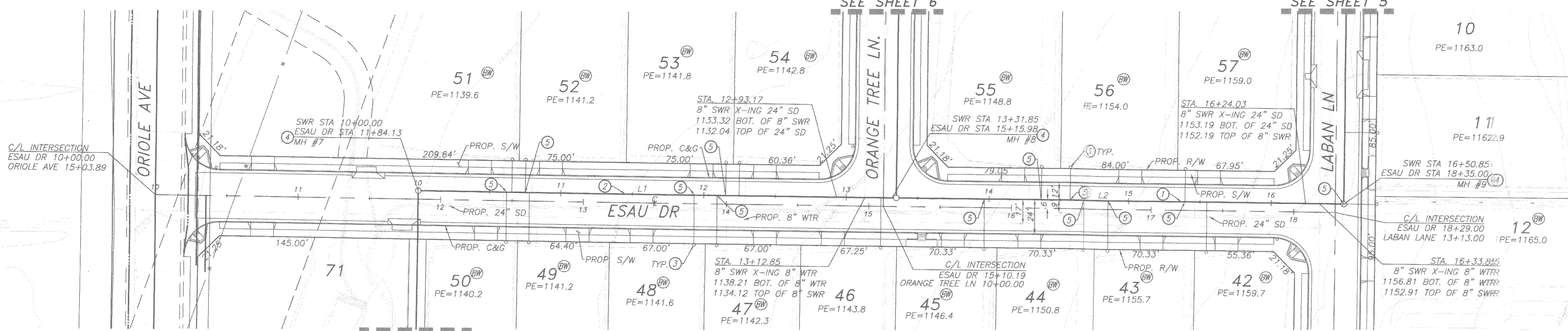
ACCOUNT NO. S-2144
SHEET 2 OF 8
J.N. 9103
PLOT DATE: 7/5/17



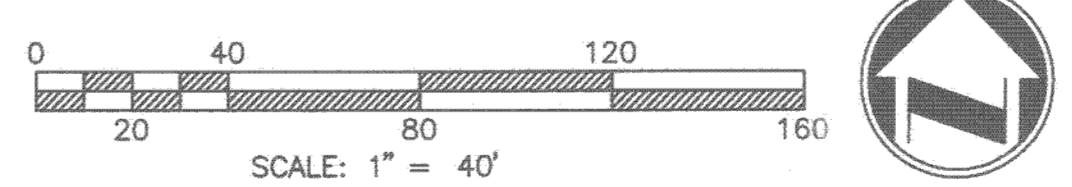
PROFILE SCALES
 HORIZ. 1"=40'
 VERT. 1"=4'

PLAN CHECK OVERSIGHT ENGINEER
 REGISTRATION NUMBER 35765
 DATE SIGNED 8-8-17

APPROVED AS TO COMPLIANCE WITH APPLICABLE COUNTY STANDARDS AND PRACTICES.

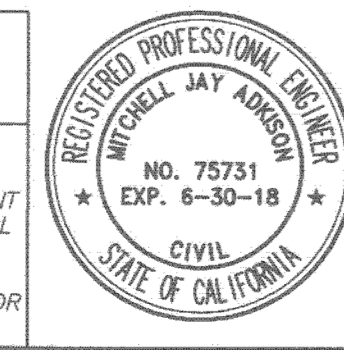


- CONSTRUCTION NOTES**
- INSTALL 8" VCP TYPE "G" JOINT W/ BEDDING CASE#1 PER CITY OF RIVERSIDE STANDARD 452
 - INSTALL 8" DI W/ "G" JOINTS W/ BEDDING CASE#1 PER CITY OF RIVERSIDE STANDARD 452
 - INSTALL SEWER LATERAL WITH PL CO PER CITY OF RIVERSIDE STANDARD 562A
 - CONSTRUCT 48" SEWER MANHOLE PER CITY OF RIVERSIDE STANDARD 500
 - CONSTRUCT BACKWATER VALVE



LINE TABLE		
LINE	DISTANCE	BEARING
L1	328.03'	S89°11'43"E
L2	314.82'	S89°11'28"E

NOTE:
 WORK CONTAINED WITHIN THESE PLANS SHALL NOT COMMENCE UNTIL AN ENCROACHMENT PERMIT AND/OR A GRADING PERMIT HAS BEEN ISSUED.
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CITY OF RIVERSIDE BUSINESS TAX ACCT.#058833 EXP.1/1/18

PLANS PREPARED BY:
adkan ENGINEERS
 Civil Engineering • Surveying • Planning
 6879 Airport Drive, Riverside, CA 92504
 Tel:(951) 688-0941 Fax:(951) 688-0599

Under the Supervision of:
M.J.A. 7.5.17
 Mitchell Jay Adelson, R.C.E. 75731 Date:

BENCHMARK:
 U.S.C.&G.S. B.M. R-449
 RIVERSIDE CO. 601-1-68
 BRONZE DISK IN HEADWALL
 OVER RIVERSIDE CANAL
 AQUEDUCT ALONG BNSF RXR 5'
 LOWER THAN TRACK.
 ELEV.: 9.3341
 DATUM NGVD 29

MARK	BY	DATE	REVISIONS	MARK	BY	DATE

CITY OF RIVERSIDE
 PUBLIC WORKS DEPARTMENT

RECOMMENDS APPROVAL

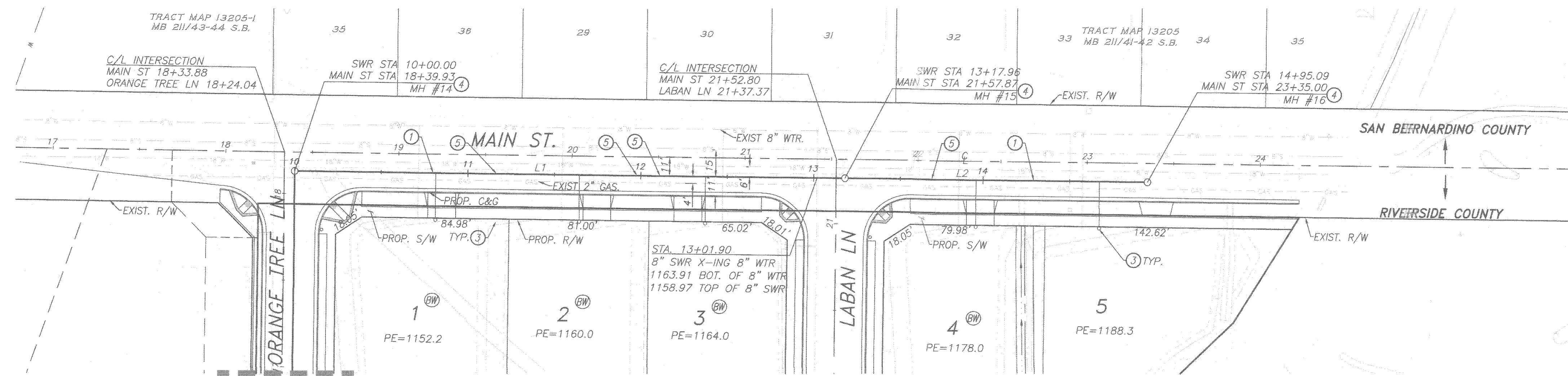
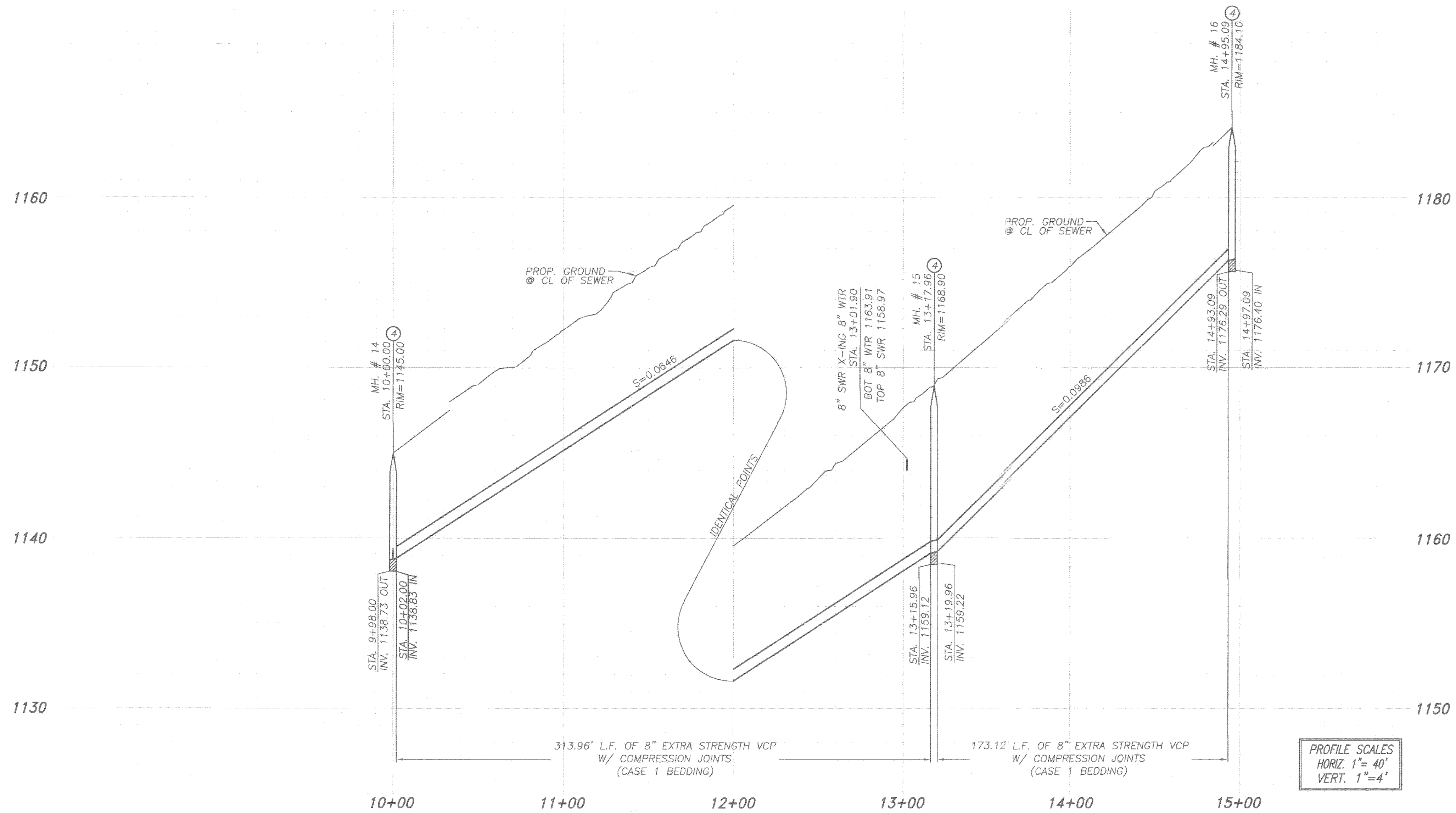
[Signature]
 PW DIRECTOR/CITY ENGINEER
 DATE 7/11/17

COUNTY OF RIVERSIDE
 SEWER IMPROVEMENT PLANS

ON-SITE SEWER
 ESAU DRIVE
 TR 32291

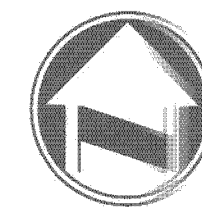
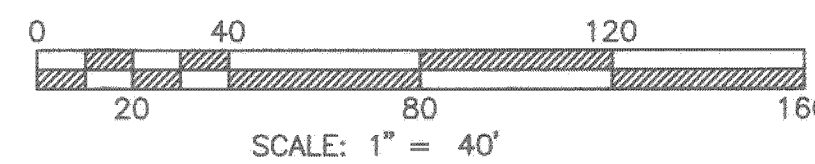
HORIZ. SCALE: AS NOTED VERT. SCALE: N/A

PW17-0607
 IP: 070129
 0416-0738
 ACCOUNT NO.
 S-2144
 SHEET 3 OF 8
 J.N. 9103
 PLOT DATE: 7/5/17



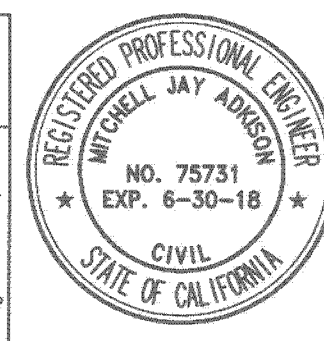
CONSTRUCTION NOTES

- 1 INSTALL 8" VCP TYPE "G" JOINT W/ BEDDING CASE#1 PER CITY OF RIVERSIDE STANDARD 452
- 2 INSTALL 8" DI W/ "G" JOINTS W/ BEDDING CASE#1 PER CITY OF RIVERSIDE STANDARD 452
- 3 INSTALL SEWER LATERAL WITH PL CO PER CITY OF RIVERSIDE STANDARD 562A
- 4 CONSTRUCT 48" SEWER MANHOLE PER CITY OF RIVERSIDE STANDARD 500
- 5 CONSTRUCT BACKWATER VALVE



LINE TABLE		
LINE	DISTANCE	BEARING
L11	313.96'	S89°14'15"E
L22	173.13'	N89°14'15"W

NOTE:
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CITY OF RIVERSIDE BUSINESS TAX ACCT.#058833 EXP.1/1/18

PLANS PREPARED BY:
adkan ENGINEERS
Civil Engineering - Surveying - Planning
6879 Airport Drive, Riverside, CA 92504
Tel:(951) 888-4444 Fax:(951) 888-0599

Under the Supervision of
MJ Adkins 7.5.17
Mitchell Jay Adkins, R.C.E. 75731 Date:

BENCHMARK:
U.S.C.&G.S. B.M. R-449
RIVERSIDE CO. 601-1-68
BRONZE DISK IN HEADWALL
OVER RIVERSIDE CANAL
AQUEDUCT ALONG BNSF RXR 5'
LOWER THAN TRACK.
ELEV.: 9.3341
DATUM NGVD 29

MARK	BY	DATE	REVISIONS	MARK	BY	DATE

DESIGNED BY: _____ DRAWN BY: _____ CHECKED BY: C- _____

CITY OF RIVERSIDE
PUBLIC WORKS DEPARTMENT

RECOMMENDS APPROVAL
[Signature]

PW DIRECTOR/CITY ENGINEER
DATE: 7/5/17

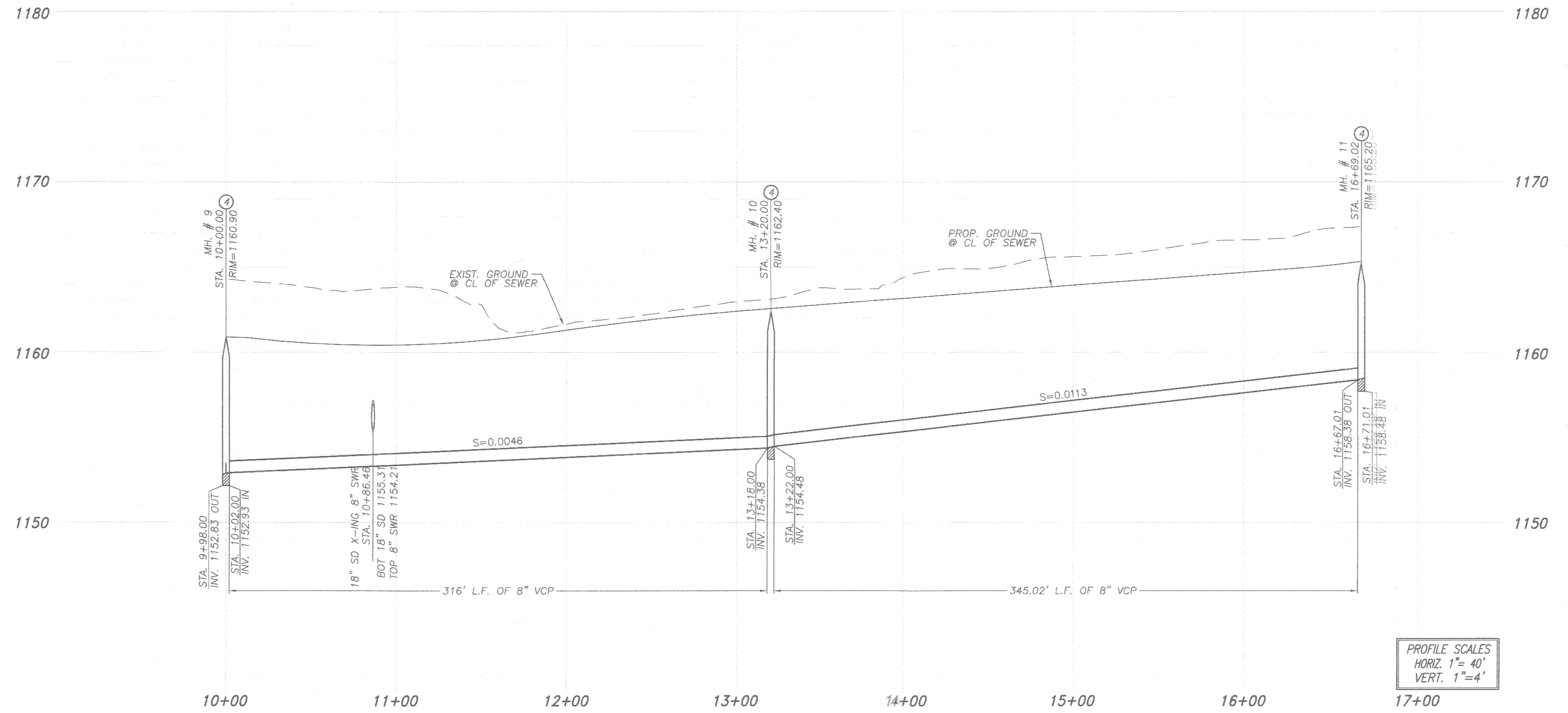
COUNTY OF RIVERSIDE
SEWER IMPROVEMENT PLANS

ON-SITE SEWER
MAIN STREET
ON-SITE TR 32291

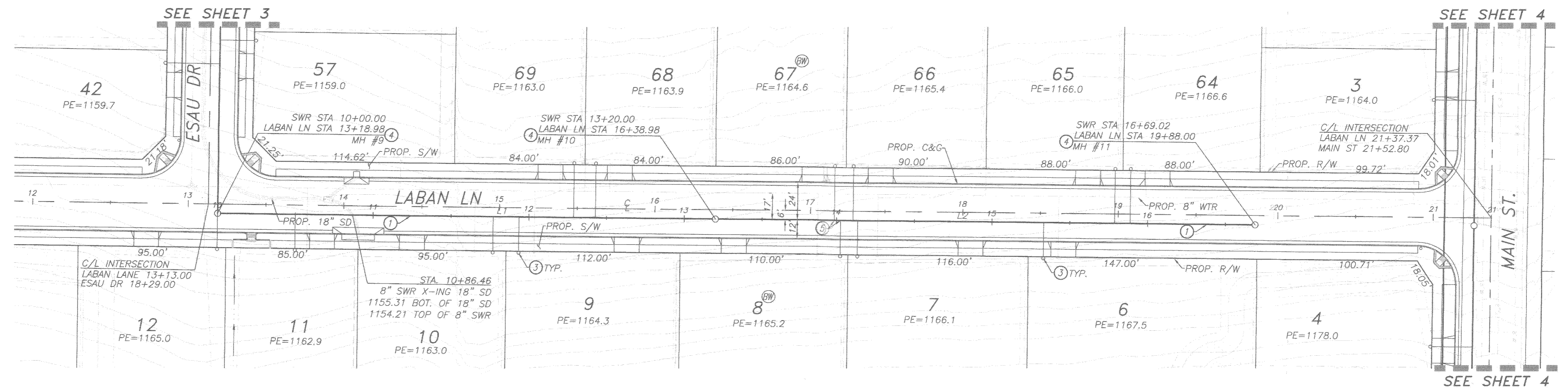
HORIZ. SCALE: AS NOTED VERT. SCALE: N/A

PW 17-0607
IP: 070129
RW 16-0738
ACCOUNT NO.
S-2144
SHEET 4 OF 8
J.N. 9103
PLOT DATE: 7/5/17

REC'D PLAN CHECK OVERSIGHT ENGINEER DATE SIGNED 8-8-17
REGISTRATION NUMBER 35165
APPROVED AS TO COMPLIANCE WITH APPLICABLE COUNTY STANDARDS AND PRACTICES.
M.J. Adkins



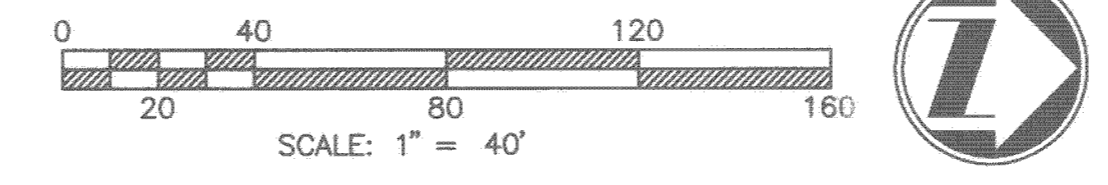
PROFILE SCALES
HORIZ. 1"=40'
VERT. 1"=4'



CONSTRUCTION NOTES

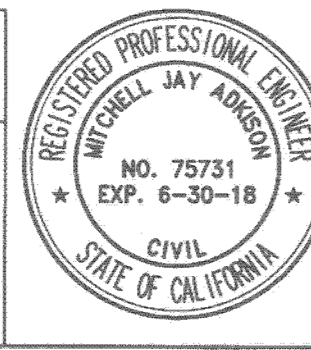
- ① INSTALL 8" VCP TYPE "G" JOINT W/ BEDDING CASE#1 PER CITY OF RIVERSIDE STANDARD 452
- ② INSTALL 8" DI W/ "G" JOINTS W/ BEDDING CASE#1 PER CITY OF RIVERSIDE STANDARD 452
- ③ INSTALL SEWER LATERAL WITH PL CO PER CITY OF RIVERSIDE STANDARD 562A
- ④ CONSTRUCT 48" SEWER MANHOLE PER CITY OF RIVERSIDE STANDARD 500
- ⑤ CONSTRUCT BACKWATER VALVE

LINE TABLE		
LINE	DISTANCE	BEARING
L1	316.00'	N0°33'54"E
L2	345.02'	N0°33'57"E



REC'D: *[Signature]*
PLAN CHECK OVERSIGHT ENGINEER: *[Signature]*
REGISTRATION NUMBER: 35165
DATE SIGNED: 8-8-17

NOTE: WORK CONTAINED WITHIN THESE PLANS SHALL NOT COMMENCE UNTIL AN ENCROACHMENT PERMIT AND/OR A GRADING PERMIT HAS BEEN ISSUED. THE PRIVATE ENGINEER SIGNING THESE PLANS IS RESPONSIBLE FOR ASSURING THE ACCURACY AND ACCEPTABILITY OF THE DESIGN HEREON. IN THE EVENT OF DISCREPANCIES ARISING AFTER COUNTY APPROVAL OR DURING CONSTRUCTION, THE PRIVATE ENGINEER SHALL BE RESPONSIBLE FOR DETERMINING AN ACCEPTABLE SOLUTION AND REVISIONS TO THE PLANS FOR APPROVAL BY THE COUNTY.



CITY OF RIVERSIDE BUSINESS TAX ACCT. #058833 EXP. 1/1/18
PLANS PREPARED BY: **adkan ENGINEERS**
Civil Engineering - Surveying - Planning
6879 Airport Drive, Riverside, CA 92504
Tel: (951) 688-0241 Fax: (951) 688-0599
Under the Supervision of: *[Signature]* M. J. Adison, R.C.E. 75731 Date: *[Signature]*

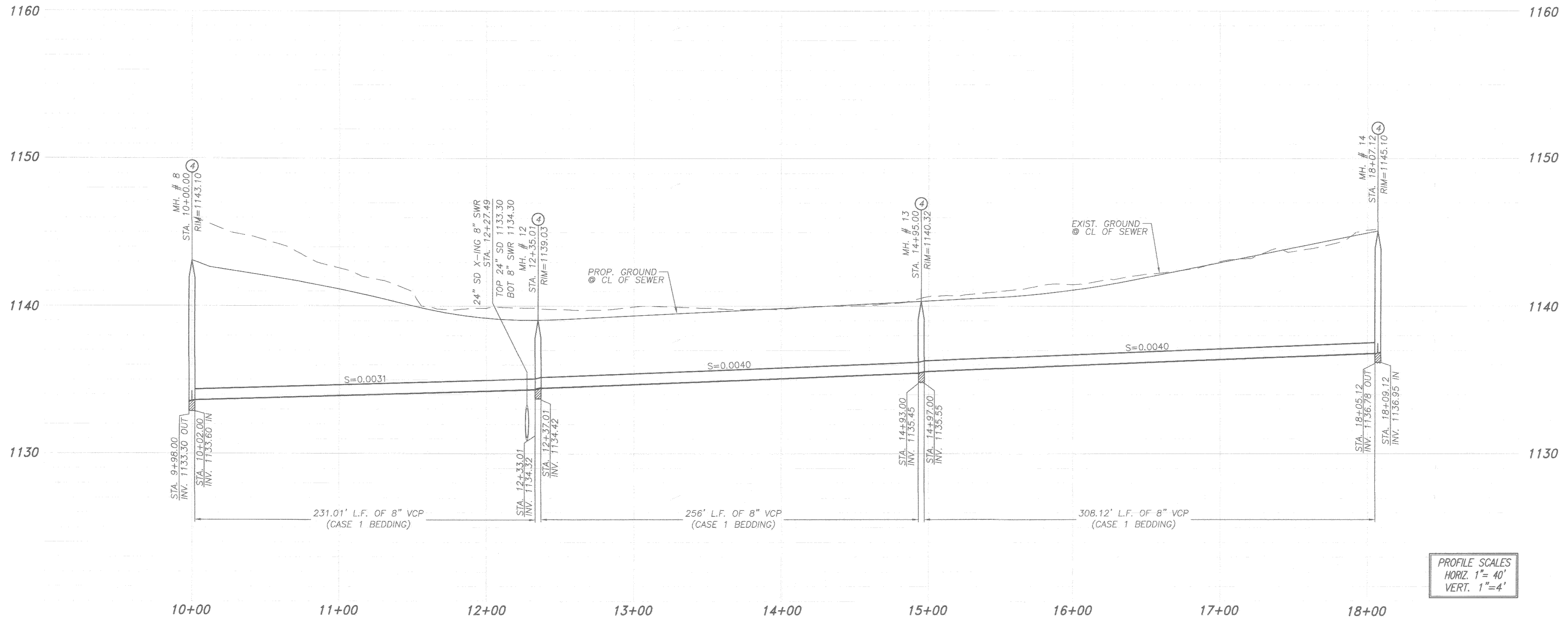
BENCHMARK:
U.S.C. & G.S. B.M. R-449
RIVERSIDE CO. 601-1-68
BRONZE DISK IN HEADWALL
OVER RIVERSIDE CANAL
AQUEDUCT ALONG BNSF RXR 5'
LOWER THAN TRACK.
ELEV.: 9.3341
DATUM NGVD 29

MARK	BY	DATE	REVISIONS	MARK	BY	DATE

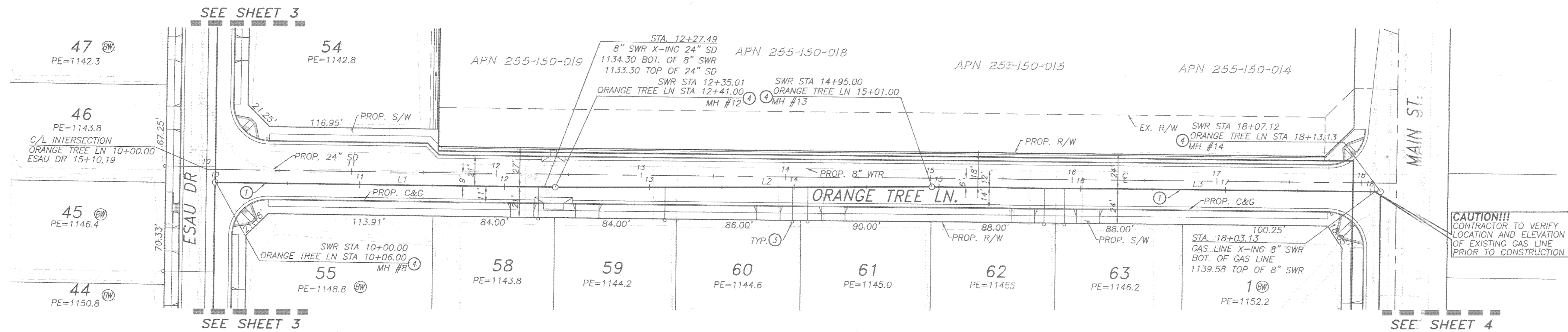
CITY OF RIVERSIDE
PUBLIC WORKS DEPARTMENT
RECOMMENDS APPROVAL
[Signature]
PW DIRECTOR/CITY ENGINEER
DATE: *[Signature]*

COUNTY OF RIVERSIDE
SEWER IMPROVEMENT PLANS
ON-SITE SEWER
LABAN LANE
ON-SITE TR 32291
HORIZ. SCALE: AS NOTED VERT. SCALE: N/A
J.N. 9103
PLOT DATE: 7/5/17

PW 17-0607
IP: 070129
DWG: 0738
ACCOUNT NO.
S-2144
SHEET 5 OF 8



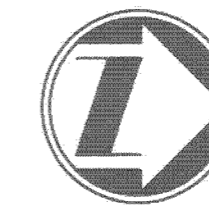
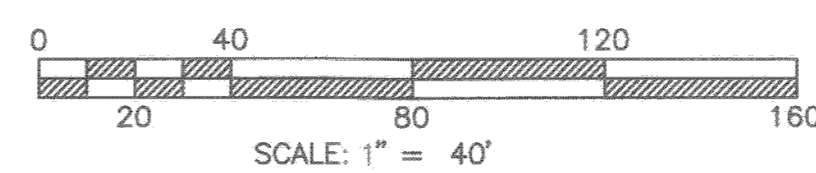
PROFILE SCALES
 HORIZ. 1" = 40'
 VERT. 1" = 4'



CAUTION!!!
 CONTRACTOR TO VERIFY
 LOCATION AND ELEVATION
 OF EXISTING GAS LINE
 PRIOR TO CONSTRUCTION

CONSTRUCTION NOTES

- 1 INSTALL 8" VCP TYPE "G" JOINT W/ BEDDING CASE#1 PER CITY OF RIVERSIDE STANDARD 452
- 2 INSTALL 8" DI W/ "G" JOINTS W/ BEDDING CASE#1 PER CITY OF RIVERSIDE STANDARD 452
- 3 INSTALL SEWER LATERAL WITH PL CO PER CITY OF RIVERSIDE STANDARD 562A
- 4 CONSTRUCT 48" SEWER MANHOLE PER CITY OF RIVERSIDE STANDARD 500



LINE	DISTANCE	BEARING
L1	231.02'	N00°37'28"E
L2	256.01'	N00°02'30"W
L3	308.12'	N00°37'28"E

NOTE:
 WORK CONTAINED WITHIN THESE PLANS SHALL NOT COMMENCE UNTIL AN ENCROACHMENT PERMIT AND/OR A GRADING PERMIT HAS BEEN ISSUED.
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CITY OF RIVERSIDE BUSINESS TAX ACCT.#058833 EXP.1/1/18
 PLANS PREPARED BY:
adkan ENGINEERS
 Civil Engineering - Surveying - Planning
 6879 Airport Drive, Riverside, CA 92504
 Tel:(951) 688-0241 Fax:(951) 688-0589
 Under the Supervision of: *MJ Adcock* R.C.E. 75731 Date: *7.5.17*

BENCHMARK:
 U.S.C.&G.S. B.M. R-449
 RIVERSIDE CO. 601-1-68
 BRONZE DISK IN HEADWALL
 OVER RIVERSIDE CANAL
 AQUEDUCT ALONG BNSF RXR 5'
 LOWER THAN TRACK.
 ELEV.: 9.3341
 DATUM NGVD 29

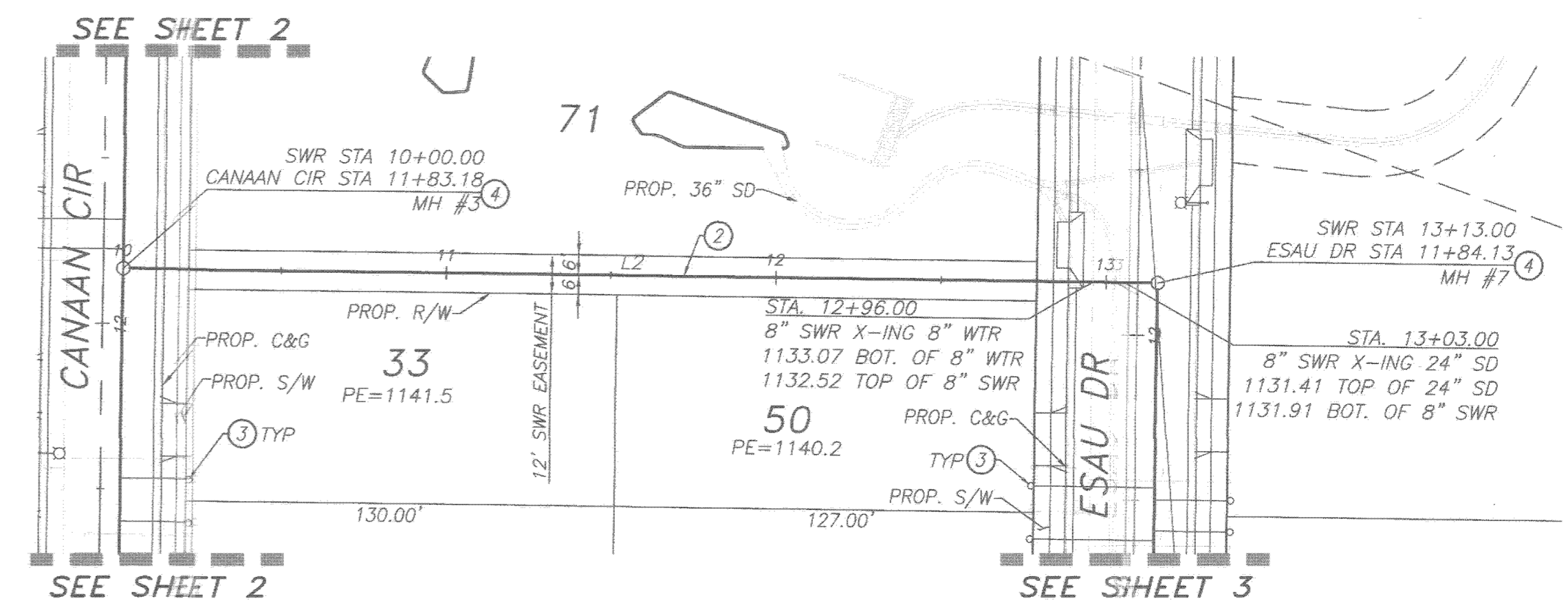
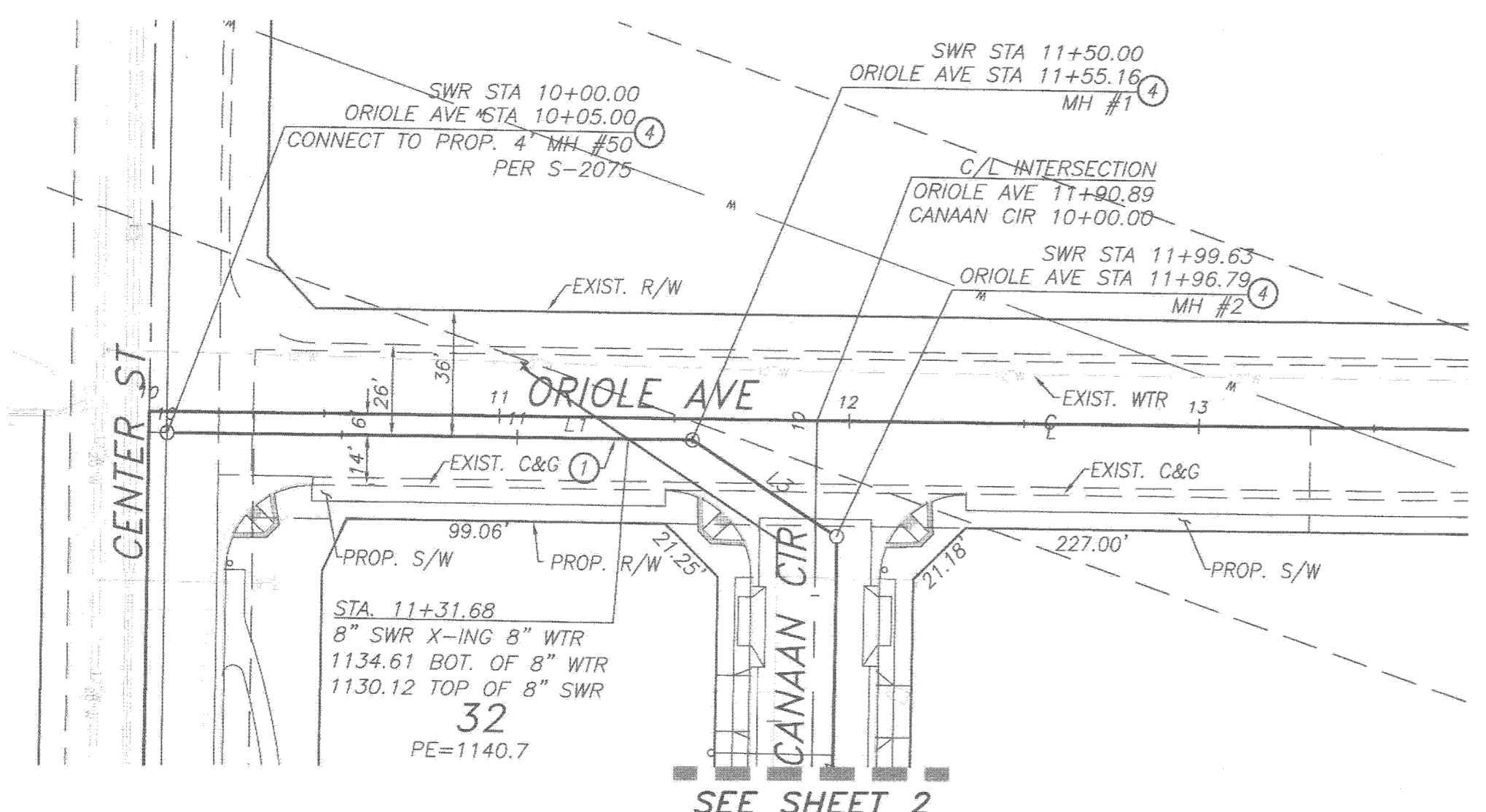
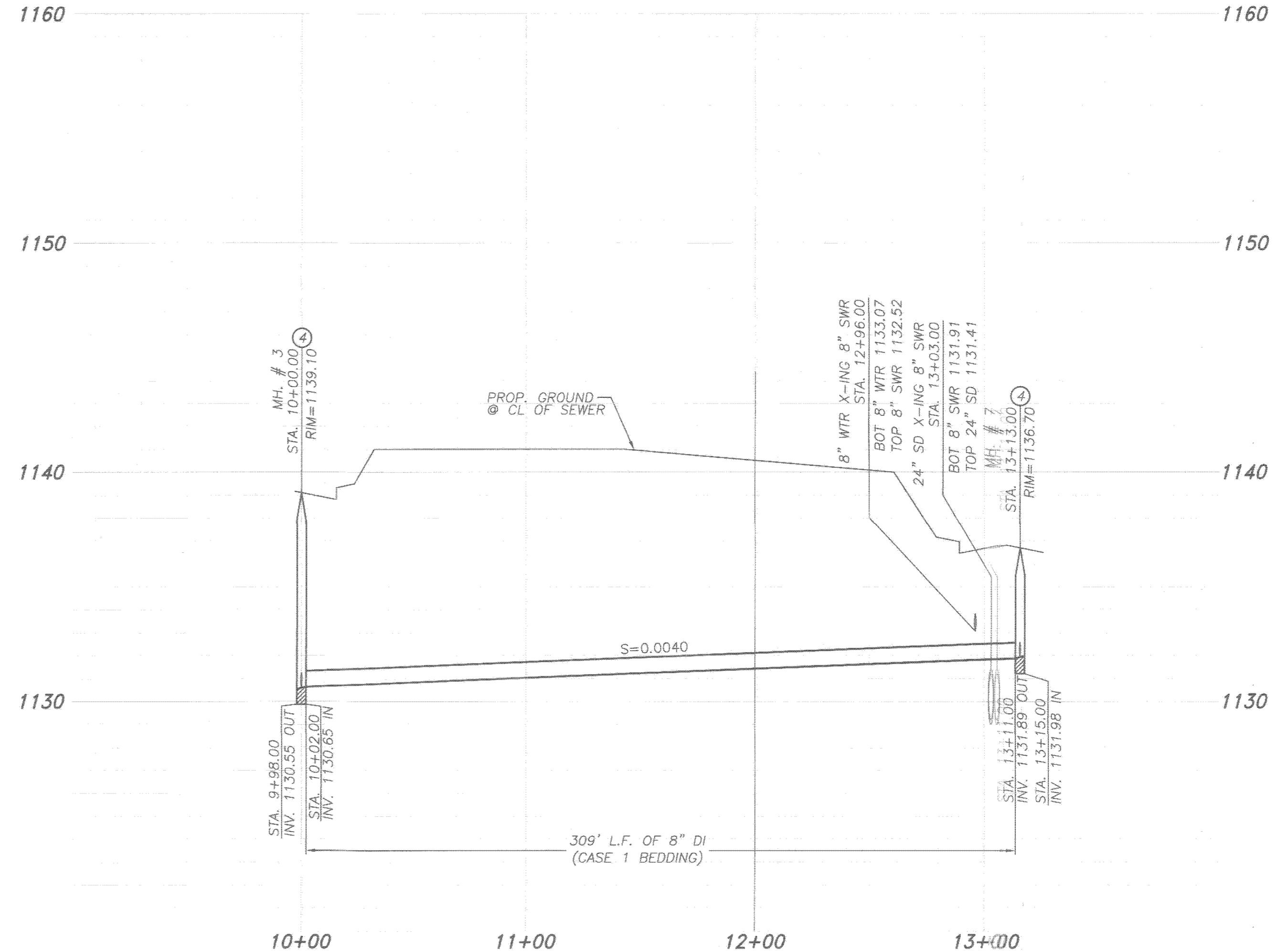
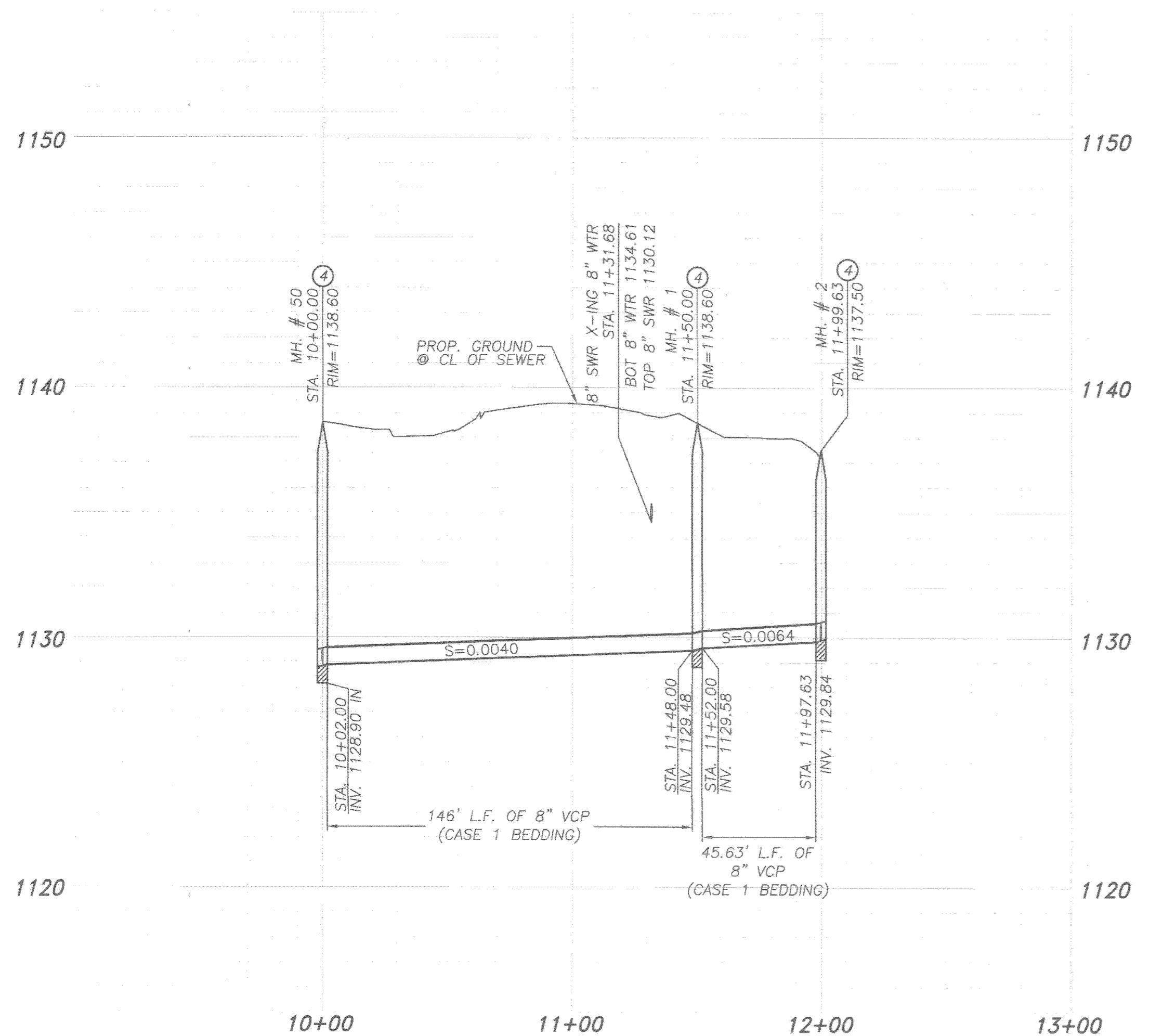
MARK	BY	DATE	REVISIONS	MARK	BY	DATE

CITY OF RIVERSIDE
PUBLIC WORKS DEPARTMENT
 RECOMMENDS APPROVAL
[Signature]
 PW DIRECTOR/CITY ENGINEER
 DATE: *7/17/17*

COUNTY OF RIVERSIDE
 SEWER IMPROVEMENT PLANS
 ON-SITE SEWER
 ORANGE TREE LANE
 ON-SITE TR 32291
 HORIZ. SCALE: AS NOTED VERT. SCALE: N/A

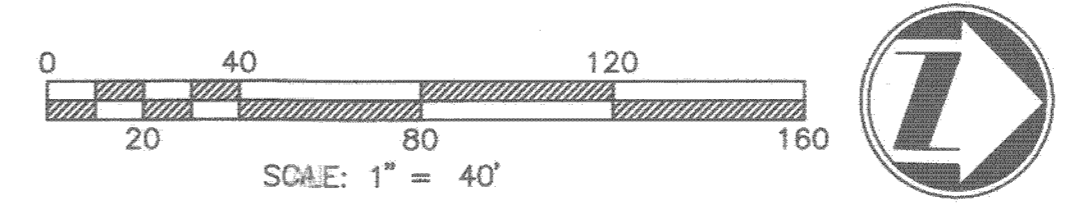
PW17-0607
 IP: 070129
 ACCOUNT NO. **S-2144**
 SHEET **6** OF **8**
 J.N. 9103
 PLOT DATE: 7/5/17

REC'D PLAN CHECK OVERSIGHT ENGINEER
 REGISTRATION NUMBER 35165
 DATE SIGNED 8-8-17
 APPROVED AS TO COMPLIANCE WITH APPLICABLE COUNTY STANDARDS AND PRACTICES.



CONSTRUCTION NOTES

- ① INSTALL 8" VCP TYPE "G" JOINT W/ BEDDING CASE#1 PER CITY OF RIVERSIDE STANDARD 452
- ② INSTALL 8" DI W/ "G" JOINTS W/ BEDDING CASE#1 PER CITY OF RIVERSIDE STANDARD 452
- ③ INSTALL SEWER LATERAL WITH PL CO PER CITY OF RIVERSIDE STANDARD 562A
- ④ CONSTRUCT 48" SEWER MANHOLE PER CITY OF RIVERSIDE STANDARD 500



LINE TABLE		
LINE	DISTANCE	BEARING
L1	187.71'	N0°37'54"E
L2	309.00'	N0°48'24"E
L3	47.58'	N33°37'33"E

REC'D PLAN CHECK OVERSIGHT ENGINEER REGISTRATION NUMBER DATE SIGNED
 35165 8-8-17

APPROVED AS TO COMPLIANCE WITH APPLICABLE COUNTY STANDARDS AND PRACTICES.

NOTE: WORK CONTAINED WITHIN THESE PLANS SHALL NOT COMMENCE UNTIL AN ENCROACHMENT PERMIT AND/OR A GRADING PERMIT HAS BEEN ISSUED. THE PRIVATE ENGINEER SIGNING THESE PLANS IS RESPONSIBLE FOR ASSURING THE ACCURACY AND ACCEPTABILITY OF THE DESIGN HEREON. IN THE EVENT OF DISCREPANCIES ARISING AFTER COUNTY APPROVAL OR DURING CONSTRUCTION, THE PRIVATE ENGINEER SHALL BE RESPONSIBLE FOR DETERMINING AN ACCEPTABLE SOLUTION AND REVISIONS TO THE PLANS FOR APPROVAL BY THE COUNTY.



CITY OF RIVERSIDE BUSINESS TAX ACCT.#058833 EXP.1/1/18
 PLANS PREPARED BY: **adkan ENGINEERS**
 Civil Engineering - Surveying - Planning
 6879 Airport Drive, Riverside, CA 92504
 Tel:(951) 688-2641 Fax:(951) 688-0599
 Under the supervision of: **MICHAEL JAY ADKINS**, R.C.E. 75731 Date: _____

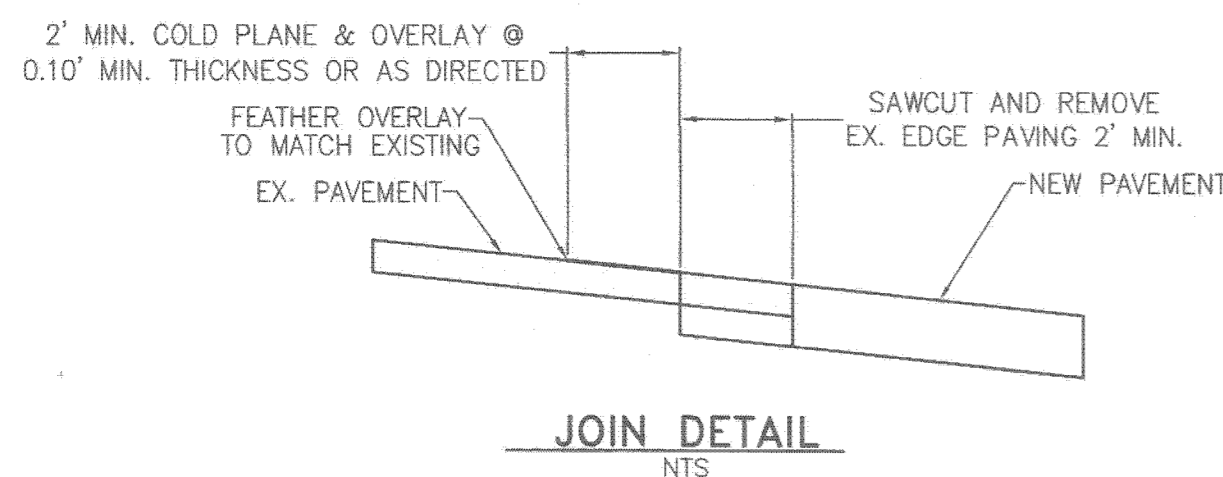
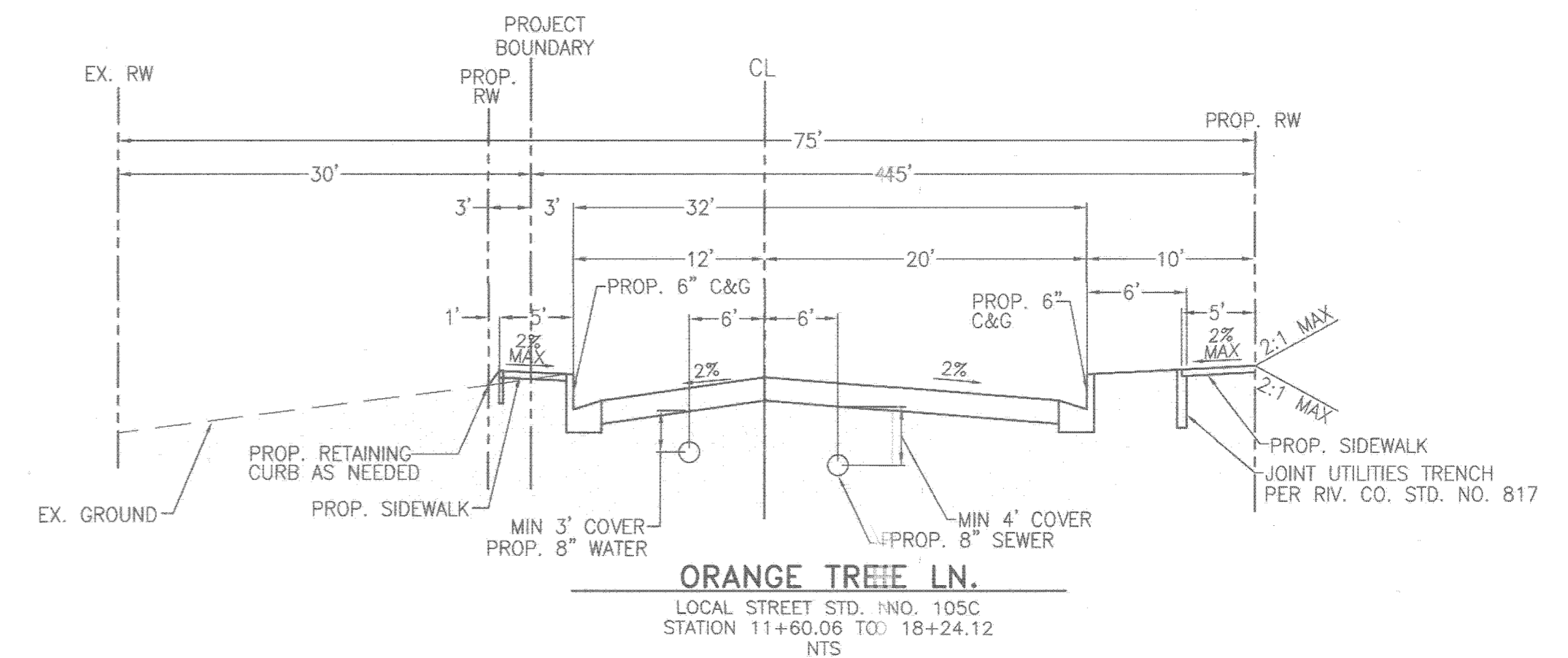
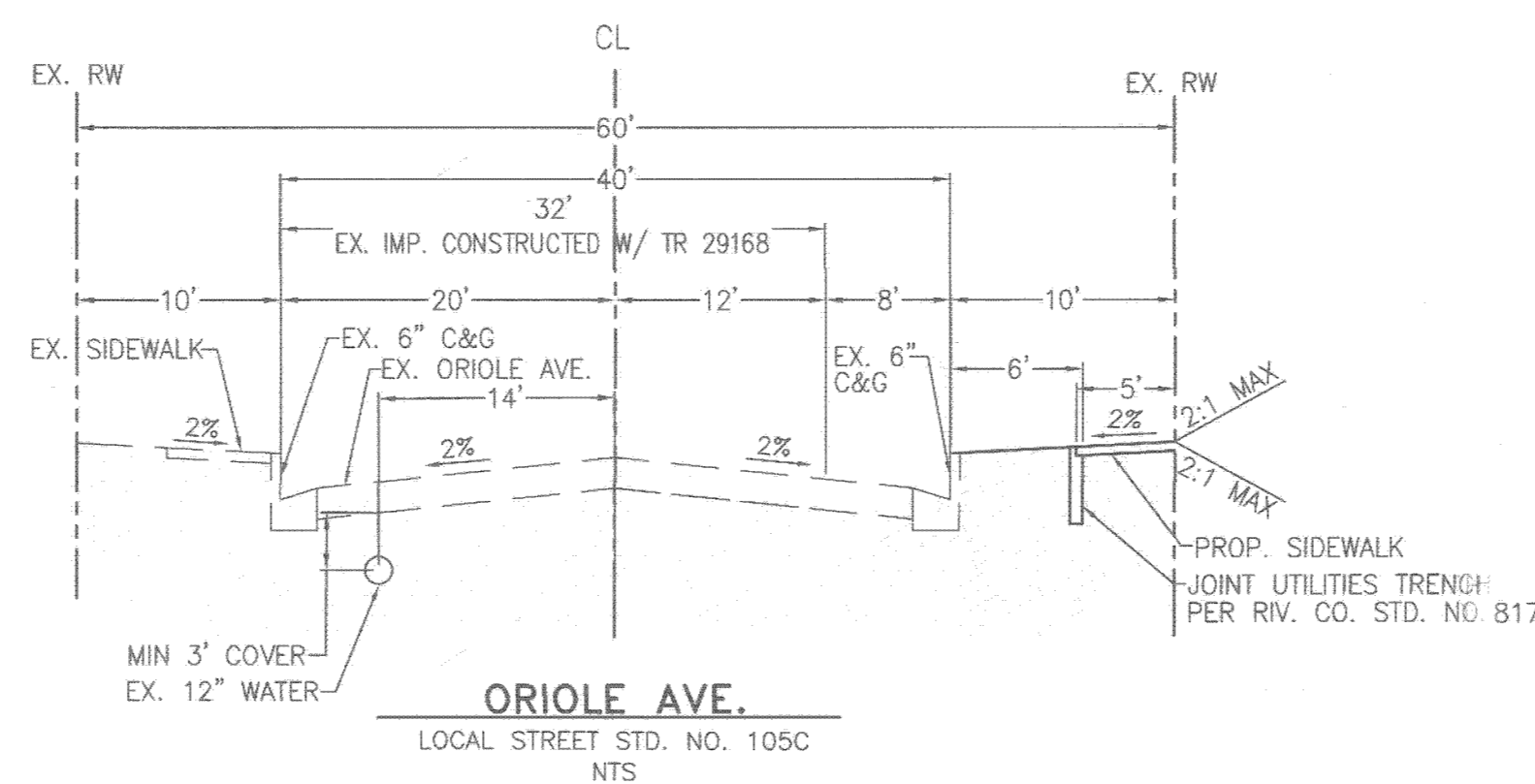
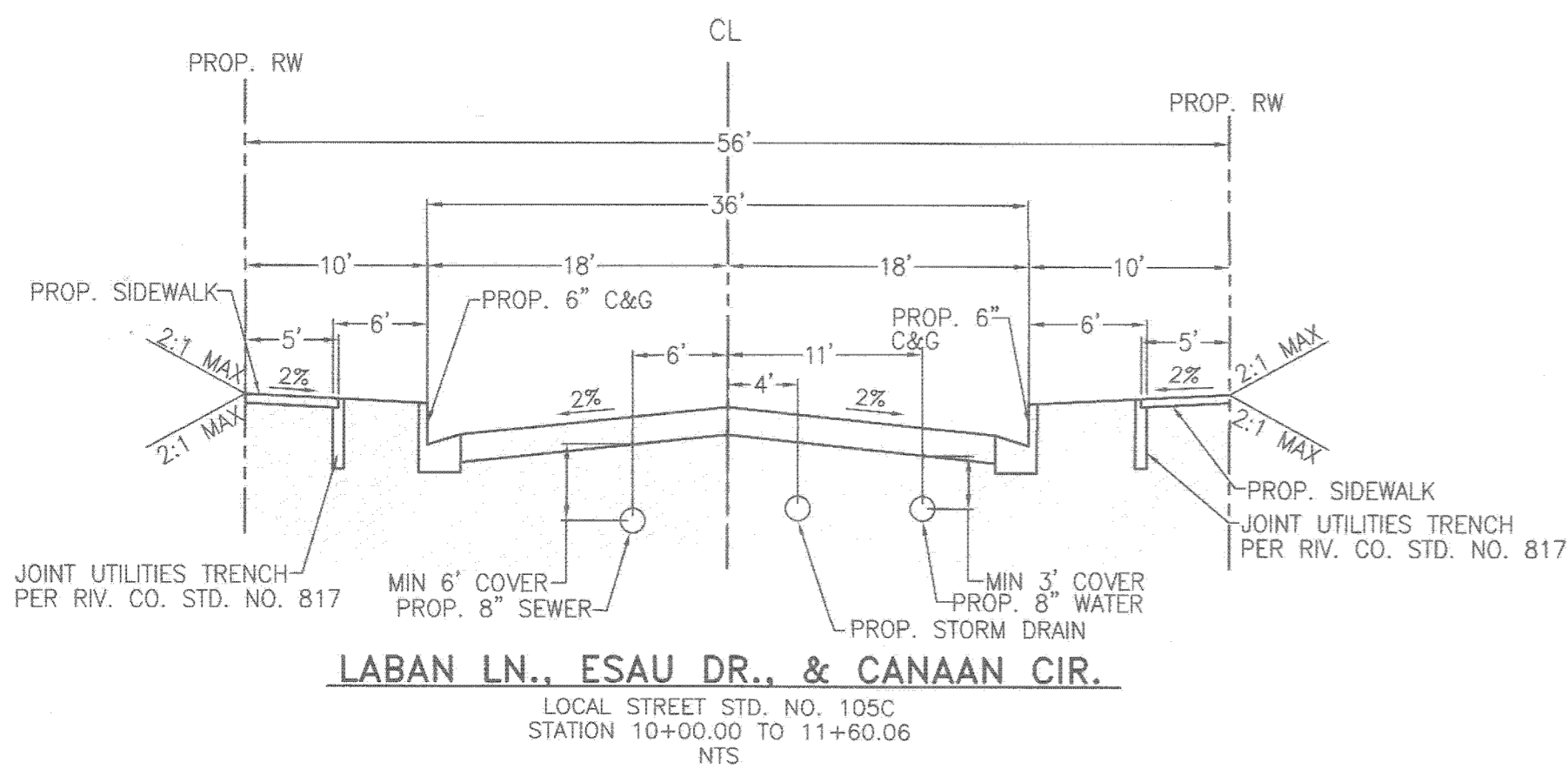
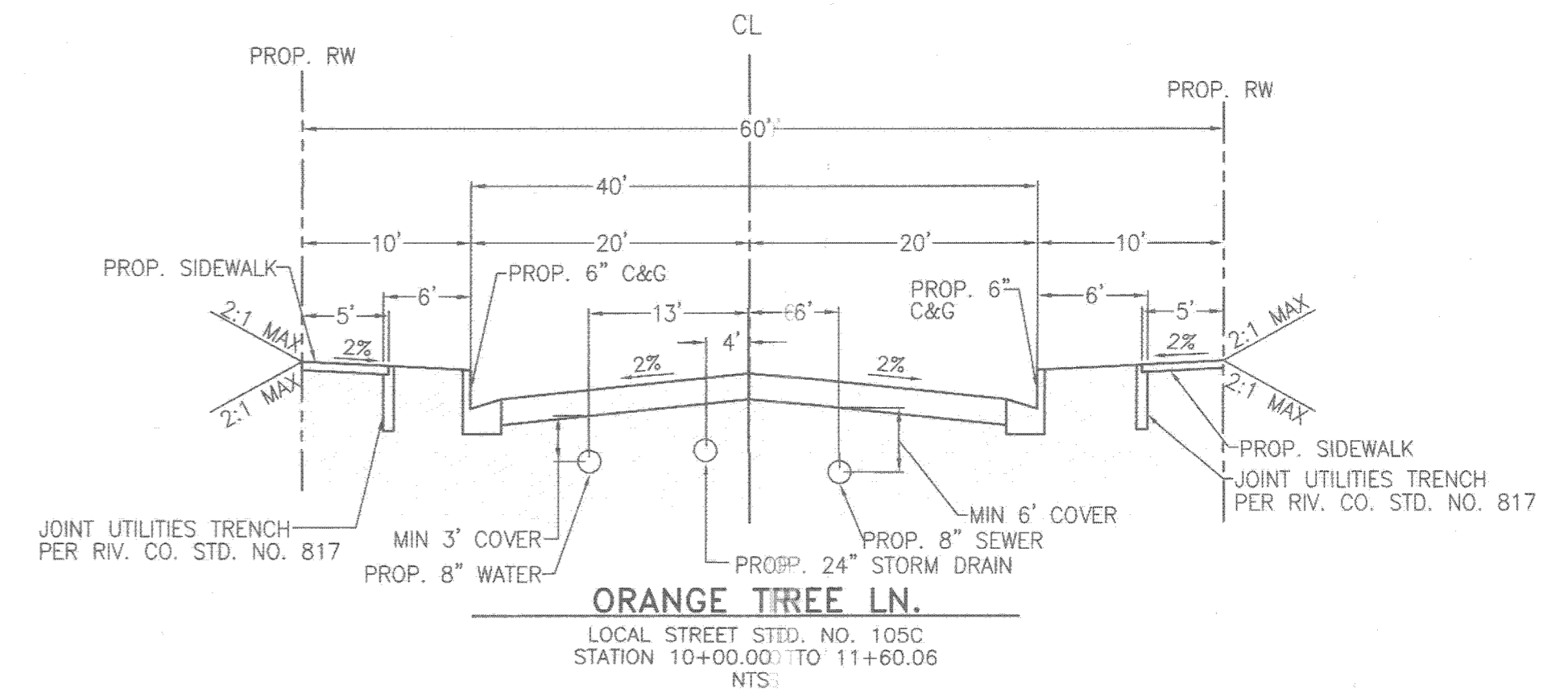
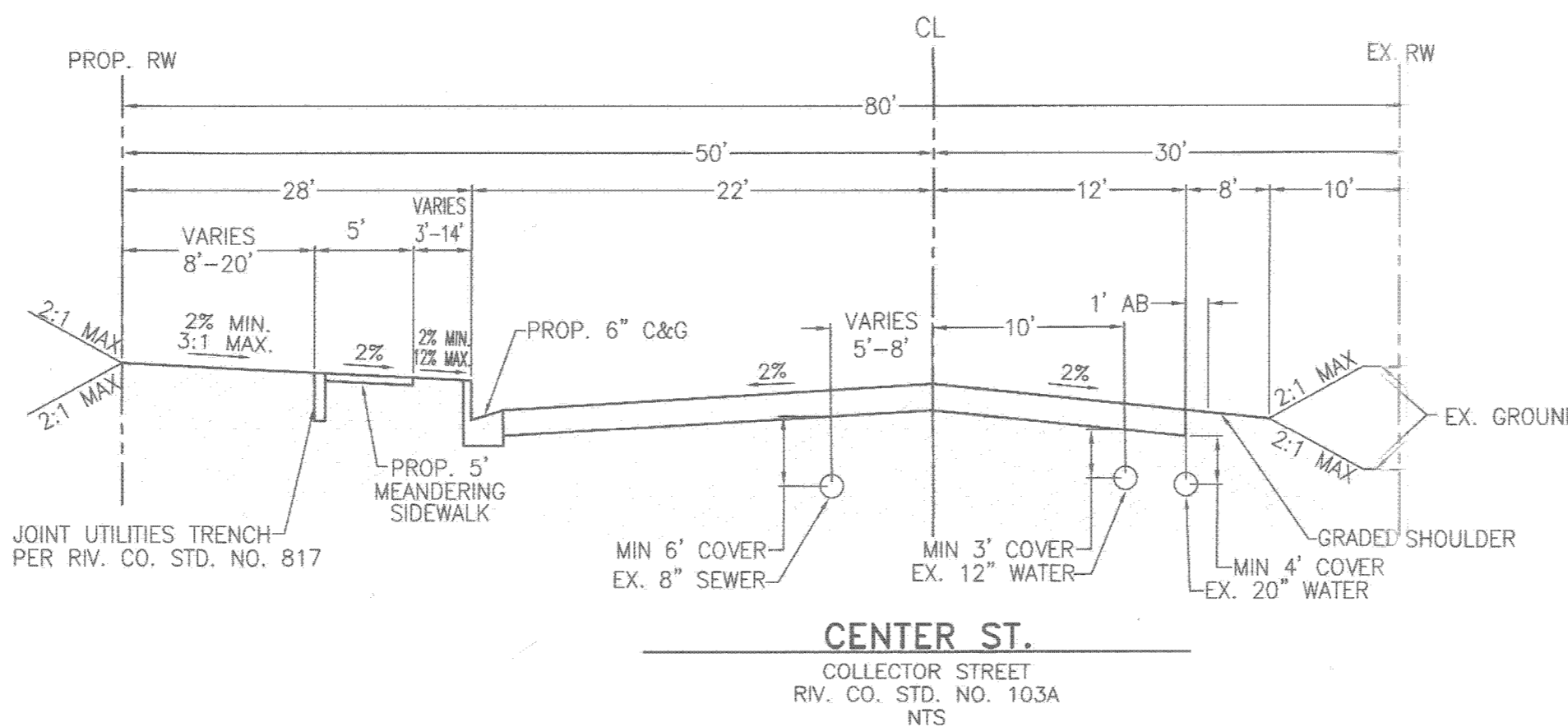
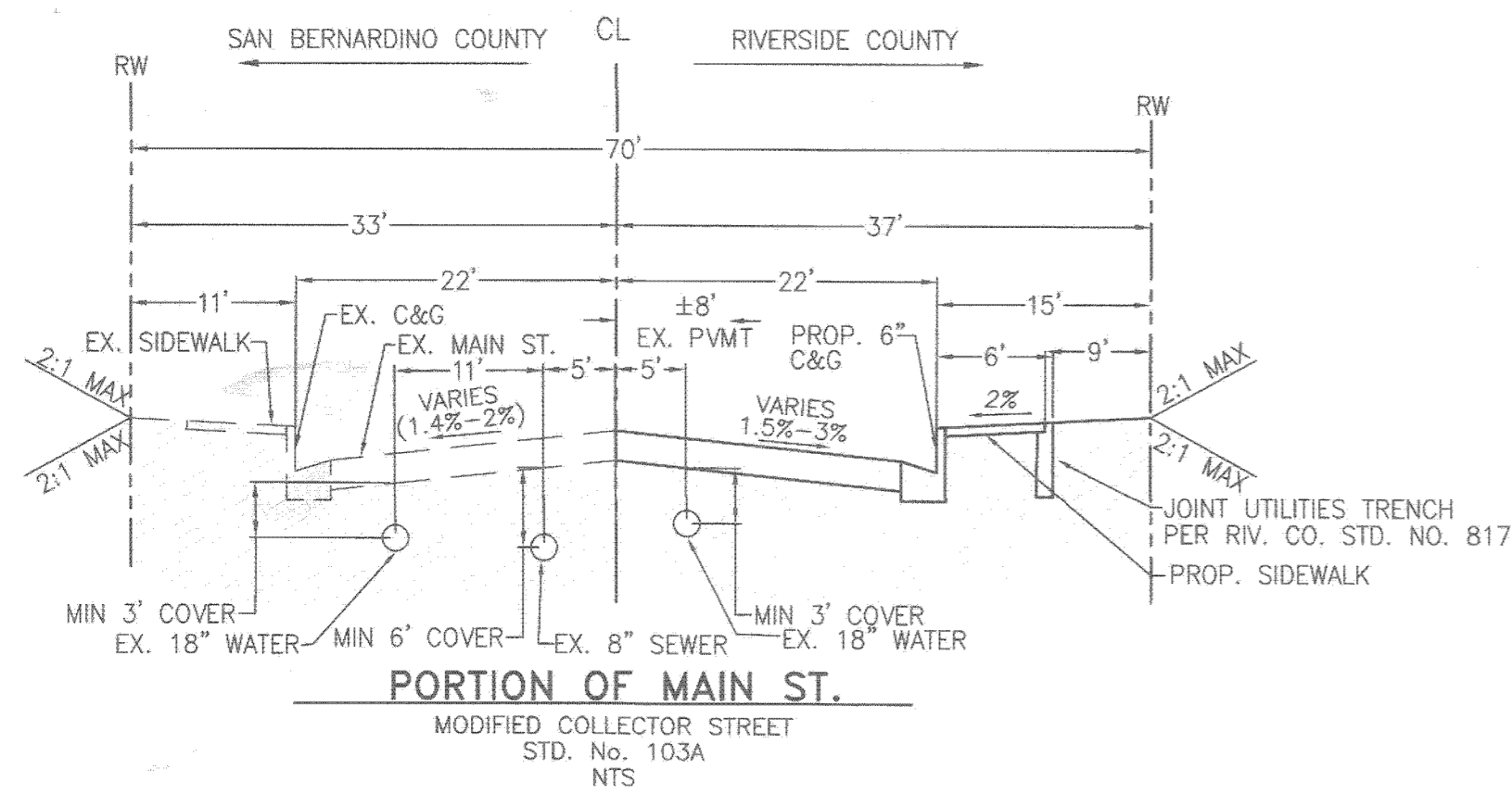
BENCHMARK: U.S.C.&G.S. B.M. R-449 RIVERSIDE CO. 601-1-68 BRONZE DISK IN HEADWALL OVER RIVERSIDE CANAL AQUEDUCT ALONG BNSF RXR 5' LOWER THAN TRACK. ELEV.: 9.3341 DATUM NGVD 29

MARK	BY	DATE	REVISIONS	MARK	BY	DATE

CITY OF RIVERSIDE PUBLIC WORKS DEPARTMENT
 RECOMMENDS APPROVAL
 PW DIRECTOR/CITY ENGINEER
 DATE: _____

COUNTY OF RIVERSIDE SEWER IMPROVEMENT PLANS
 ON-SITE SEWER ORIOLE AVE & SEWER EASEMENT
 ON-SITE TR 32291
 HORIZ. SCALE: AS NOTED VERT. SCALE: N/A
 J.N. 9103

PW17-0607
 IP: 070129
 ACCOUNT NO. S-2144
 SHEET 7 OF 8
 PLOT DATE: 7/5/17



REC'D
PLAN CHECK OVERSIGHT ENGINEER
REGISTRATION NUMBER 35165
DATE SIGNED 8-8-17
APPROVED AS TO COMPLIANCE WITH APPLICABLE COUNTY STANDARDS AND PRACTICES.

NOTE:
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CITY OF RIVERSIDE BUSINESS TAX ACCT.#058833 EXP.1/1/18
PLANS PREPARED BY:
adkan ENGINEERS
Civil Engineering • Surveying • Planning
6879 Airport Drive, Riverside, CA 92504
Tel:(951) 688-1241 Fax:(951) 688-0599
Under the Supervision of: *MJA* 7.5.17
Mitchell Jay Adkison, P.E. 75731 Date:

BENCHMARK:
U.S.C.&G.S. B.M. R-449
RIVERSIDE CO. 601-1-68
BRONZE DISK IN HEADWALL
OVER RIVERSIDE CANAL
AQUEDUCT ALONG BNSF RXR 5'
LOWER THAN TRACK.
ELEV.: 9.3341
DATUM NGVD 29

MARK	BY	DATE	REVISIONS	MARK	BY	DATE

CITY OF RIVERSIDE
PUBLIC WORKS DEPARTMENT
RECOMMENDS APPROVAL
[Signature]
PW DIRECTOR/CITY ENGINEER
DATE 7/5/17

COUNTY OF RIVERSIDE
SEWER IMPROVEMENT PLANS
TYPICAL SECTIONS
ON-SITE TR 32291
HORIZ. SCALE: AS NOTED
VERT. SCALE: N/A

P17-0607
IP: 070129
FWT8-8738
ACCOUNT NO.
S-2144
SHEET 8 OF 8
J.N. 9103
PLOT DATE: 7/5/17