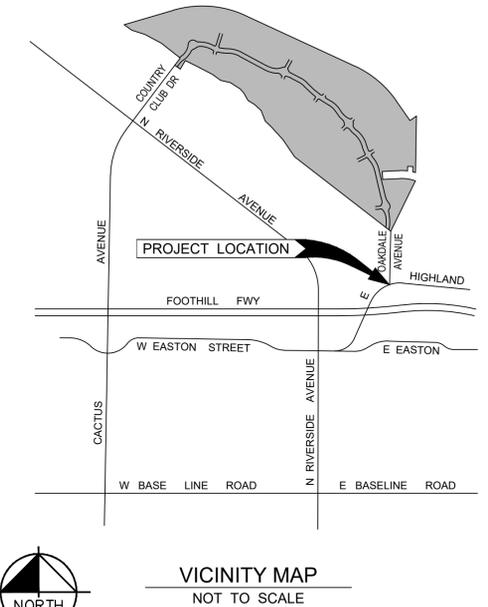


# IN THE CITY OF RIALTO

# SEWER IMPROVEMENT PLANS

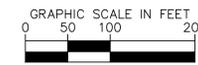
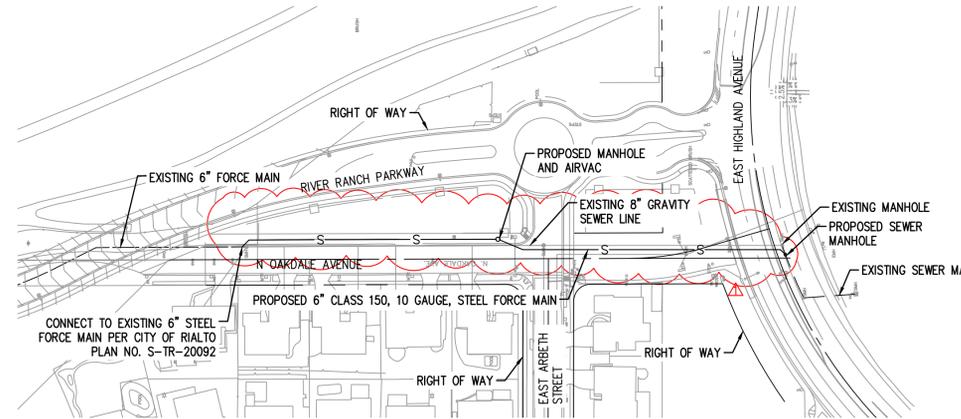
## ~ TRACT MAP No. 20092 ~

## RIVER RANCH by LENNAR HOMES



### SEWER GENERAL NOTES

1. ALL WORK SHALL BE DONE IN ACCORDANCE WITH CITY OF RIALTO STANDARD DRAWINGS, STANDARD SPECIAL PROVISIONS, AND THE LATEST EDITION OF STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, WITH SUPPLEMENTS, ANY VARIATION FROM OR EXCEPTION TO THE STANDARDS OR FOLLOWING GENERAL NOTES MUST BE APPROVED BY THE CITY.
2. ALL MAINLINE SEWERS SHALL BE VCP BELL AND SPIGOT. RESIDENTIAL LATERALS SHALL BE 4" VCP BELL AND SPIGOT. COMMERCIAL LATERALS SHALL BE 6" MINIMUM VCP BELL AND SPIGOT. NO SUBSTITUTIONS ALLOWED.
3. THE CONTRACTOR SHALL NOTIFY THE CITY OF RIALTO DEVELOPMENT SERVICES DEPARTMENT AT LEAST 48 HOURS PRIOR TO THE START OF ANY PHASE OF CONSTRUCTION AND 24 HOURS PRIOR TO THE NEED OF INSPECTION.
4. EXCAVATION AND TRENCH WORK SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE STATE CONSTRUCTION SAFETY ORDERS. THE CONTRACTOR SHALL BE REQUIRED TO SHOW THAT A PERMIT FROM THE DIVISION OF INDUSTRIAL SAFETY HAS BEEN OBTAINED BEFORE SEWER CONSTRUCTION PERMIT CAN BE ISSUED.
5. MANHOLE COVERS SHALL BE LEFT AT LEAST 6" BELOW SUB GRADE AND BROUGHT TO FINAL GRADE UPON COMPLETION OF PAVING.
6. FOUR-INCH (4") V.C.P. SEWER LATERAL CONNECTIONS SHALL BE LAID TO GRADE AS ESTABLISHED BY THE ENGINEER SO THAT THE 4" V.C.P. WILL HAVE A MINIMUM COVER OF FOUR (4") TO THE TOP OF PIPE AT PROPERTY LINE AND SHALL HAVE A MINIMUM GRADE OF 2%. ALL SEWER LATERALS SHALL BE LAID 90 DEGREES TO THE MAIN LINE. CONSTRUCTION SHALL BE PER CITY STANDARD DRAWING No. SS-209. NO LATERAL SHALL BE PLACED UNDER ANY DRIVEWAY APPROACH OR DRIVEWAY.
7. ALL COMPACTION SHALL BE PERFORMED AS SHOWN ON CITY OF RIALTO STANDARD No. S-110 AND THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, CURRENT EDITION AND ADDENDUMS.
8. ALL VITRIFIED CLAY PIPE JOINTS TO BE TYPE D OR TYPE G AS SPECIFIED IN THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, CURRENT EDITION.
9. FINAL AIR TESTING FOR PIPELINE LEAKAGE SHALL BE MADE IN THE PRESENCE OF THE CITY INSPECTOR AFTER BACKFILL AND COMPACTION HAVE BEEN COMPLETED BY THE CONTRACTOR AND INSPECTED, APPROVED AND ACCEPTED BY THE CITY.
10. ALL SEWER LINES TO BE BALLED IN THE PRESENCE OF THE CITY INSPECTOR AFTER FINAL TESTING AND MANHOLE COVERS HAVE BEEN BROUGHT TO GRADE UPON COMPLETION OF PAVING. BALLING MUST BE COMPLETED TO THE SATISFACTION OF THE CITY ENGINEER PRIOR TO OCCUPANCY RELEASES BEING ISSUED.
11. DEVELOPER'S ENGINEER SHALL FURNISH A COMPLETE SET OF "AS-BUILT" PLANS ON ORIGINAL MYLARS TO THE CITY AT THE COMPLETION OF THE SEWER WORK AND PRIOR TO PAVING OF STREETS, SHOWING LOCATION OF WYES AND END OF HOUSE LATERALS AT THE PROPERTY LINE.
12. SAND BEDDING SHALL BE S.E. MIN. 30, 4" UNDER THE PIPE, AND 12" OF COLORED SAND OVER THE TOP OF PIPE UNLESS OTHERWISE NOTED ON PLANS. COLOR TO BE APPROVED BY FIELD INSPECTOR PRIOR TO LAYING.
13. THE CURB AND GUTTER SHALL BE "ETCHED" SHOWING LATERAL LOCATIONS: "S" FOR SEWER, "G" FOR GAS, "E" FOR ELECTRICAL, AND "W" FOR WATER.
14. STATE LAW (SB3019) REQUIRES THE CONTRACTOR TO CONTACT UNDERGROUND SERVICE ALERT (USA) AND OBTAIN AN IDENTIFICATION NUMBER PRIOR TO THE ISSUANCE OF THE CITY'S ENCROACHMENT PERMIT. THE CONTRACTOR SHALL NOTIFY USA TWO FULL WORKING DAYS (48 HOURS MINIMUM) IN ADVANCE OF ANY CONSTRUCTION ACTIVITIES.
15. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL OBTAIN A PERMIT TO WORK WITHIN THE PUBLIC RIGHT OF WAY FROM THE CITY OF RIALTO DEVELOPMENT SERVICES DEPARTMENT.
16. DRIVE APPROACH CENTERLINES SHALL BE STAKED WHEN SEWER LINES ARE STAKED.
17. NO TRENCH BACKFILL SHALL TAKE PLACE WITHOUT PRIOR APPROVAL OF THE CITY'S INSPECTOR.
18. STREET TRENCHING, BACKFILLING AND PAVEMENT REPAIRS SHALL BE IN ACCORDANCE WITH CITY OF RIALTO STANDARD DRAWING No. SC-231
19. APPROVAL OF THESE PLANS BY THE CITY OR ITS AGENTS DOES NOT RELIEVE THE ENGINEER AND THE APPLICANT FROM THE RESPONSIBILITY FOR THE CORRECTION OF ERRORS OR OMISSIONS DISCOVERED DURING CONSTRUCTION. UPON REQUEST, THE APPROPRIATE PLAN REVISIONS SHALL BE PROMPTLY SUBMITTED TO THE CITY ENGINEER FOR REVIEW AND APPROVAL.
20. ALL NEW SANITARY SEWERS SHALL BE VIDEOTAPED, WITH TAPE SUPPLIED TO CITY ENGINEER, PRIOR TO CITY'S ACCEPTANCE OF ANY NEW SEWER.
21. ALL SANITARY SEWER APPURTENANCES SHALL BE ABANDONED, RELOCATED AND/OR UPGRADED PER THE DIRECTION OF THE CITY INSPECTOR, PER CITY OF RIALTO STANDARDS, REGARDLESS IF SHOWN ON PLANS OR NOT.
22. CITY OF RIALTO CONSTRUCTION INSPECTION HOURS  
7:00A.M. TO 5:00P.M. - MONDAY THROUGH THURSDAY



### INDEX TO SHEETS

- SHEET 1 ..... TITLE SHEET  
 SHEET 2 ..... FORCE MAIN SEWER PLAN  
 SHEET 3 ..... DETAILS

### UTILITY PURVEYORS

WATER	WEST VALLEY WATER DISTRICT 855 W. BASELINE RIALTO, CALIFORNIA 92377 (909) 875-1804
SEWER & WATER	CITY OF RIALTO 335 W. RIALTO AVENUE RIALTO, CALIFORNIA 92376 (909) 421-7229
ELECTRIC	SOUTHERN CALIFORNIA EDISON 300 N. PEPPER AVENUE RIALTO, CALIFORNIA 92376 (909) 820-5617
GAS	THE GAS COMPANY 251 EAST FIRST STREET, SC8080 BEAUMONT, CALIFORNIA 92223 (909) 845-0709
TELEPHONE	AT&T 100 S. ANAHEIM BOULEVARD, SUITE 320 ANAHEIM, CALIFORNIA 92805 (714) 284-3498
CABLE TV	REBEL CABLE 1971 W. REDLANDS BOULEVARD, "B" REDLANDS, CALIFORNIA 92373

### NOTICE TO CONTRACTOR(S)

THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITY PIPES, CONDUITS OR STRUCTURES SHOWN ON THESE PLANS WERE 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 ALL DUE PRECAUTIONARY MEASURES TO PROTECT THE UTILITY LINES SHOWN ON THESE DRAWINGS. THE CONTRACTOR FURTHER ASSUMES ALL LIABILITY AND RESPONSIBILITY FOR THE UTILITY PIPES, CONDUITS OR STRUCTURES SHOWN OR NOT SHOWN ON THESE DRAWINGS.

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; THAT THE CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD THE CITY, 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.

### MONUMENT PRESERVATION NOTE

SURVEY MONUMENTS THAT EXIST AS SHOWN ON RECORD MAPS, HIGHWAY MAPS, OR POINTS THAT PROVIDE SURVEY CONTROL WITHIN THE CONSTRUCTION AREA, SHALL BE LOCATED AND REFERENCED OUT BY A LICENSED LAND SURVEYOR OR REGISTERED CIVIL ENGINEER (AUTHORIZED TO PRACTICE LAND SURVEYING), AND CORNER RECORDS SHALL BE FILED WITH THE COUNTY SURVEYOR PRIOR TO THE START OF CONSTRUCTION. THESE CORNER RECORDS SHALL DESCRIBE THE MONUMENTS FOUND WITH THE DISTANCES TO REFERENCE POINTS FOR RESETTING OF THE SURVEY MONUMENT. WHEN CONSTRUCTION IS COMPLETED, MONUMENTS SHALL BE SET AND CORNER RECORDS SHALL BE FILED WITH THE COUNTY SURVEYOR SHOWING THE NEW MONUMENTS.

### LEGEND

---	CENTER LINE
---	PROPERTY LINE / RIGHT OF WAY
---	EASEMENT LINE / SETBACK LINE
---	APPROXIMATE LIMIT OF WORK LINE
---	EXISTING WATER LINE
---	EXISTING SANITARY SEWER LINE
---	EXISTING GAS LINE
---	EXISTING ELECTRICAL LINE
---	EXISTING TELECOMMUNICATIONS LINE
---	PROPOSED WATER LINE
---	PROPOSED FIRE WATER LINE
---	PROPOSED SANITARY SEWER LINE
---	PROPOSED SEWER FORCE MAIN

### SEWER CONSTRUCTION ITEMS

	QUANTITIES
1. INSTALL 6" CLASS 150, 10 GAUGE, STEEL FORCE MAIN (FULLY WELD ALL JOINTS)	591 LF
2. INSTALL 6" C-900 PVC SEWER FORCE MAIN (RESTRAIN ALL JOINTS)	57 LF
3. INSTALL OR FABRICATE 6" CLASS 150, 10 GAUGE, STEEL FORCE MAIN BEND, ANGLE AS NOTED	2 EA
4. INSTALL 6" C-900 PVC SEWER FORCE FITTING, ANGLE AS NOTED	3 EA
5. CONSTRUCT STANDARD PRECAST IN-PLACE MANHOLE FOR SEWER PER CITY OF RIALTO STANDARD NO. SS-202-0	1 EA
6. TRENCH PATCH AND PAVEMENT REPAIR PER CITY OF RIALTO STANDARD NO. SC-231, SEE SHEET 3, AND REPLACE DAMAGED CURB TO THE SATISFACTION OF THE CITY ENGINEER	378 SF
7. INSTALL 2" AIRVAC, APCO MODEL 400 OR APPROVED EQUAL AND MANHOLE PER DETAIL 5 ON SHEET 3	1 EA

**NOTE:** THE QUANTITIES SHOWN HEREON ARE PROVIDED ONLY FOR THE USE OF THE OWNER. PROSPECTIVE BIDDERS SHALL MAKE THEIR OWN DETERMINATION OF THE QUANTITIES REQUIRED, AND SHALL BASE THEIR BID ON THEIR OWN ESTIMATE.

### DEVELOPER/OWNER

LENNAR CORPORATION  
BLAINE HUMBLE  
4140 TEMESCAL CANYON RD., SUITE 410  
CORONA, CA 92883  
(951) 339-0470

### SOILS ENGINEER

PETRA GEOSCIENCES, INC.  
40880-M COUNTY CENTER DRIVE  
TEMECULA, CALIFORNIA 92591  
CONTACT: MR. JIM LARWOOD, CEG  
(951) 600-9271

### WORK TO BE DONE STATEMENT

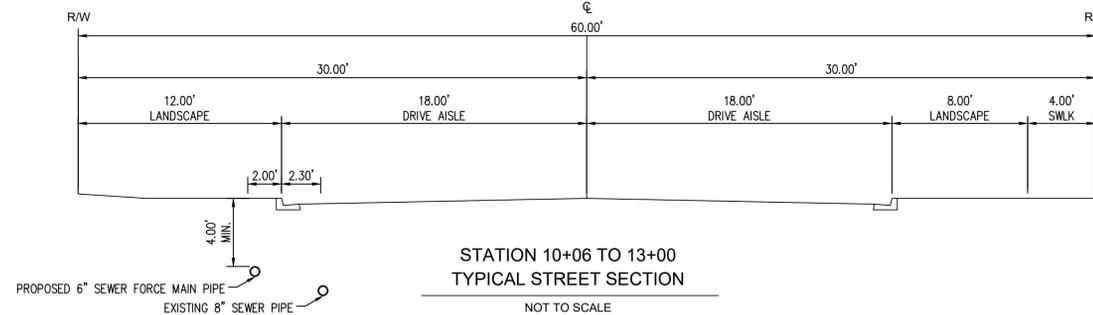
TRENCHING AND BACKFILL FOR INSTALLATION OF NEW SEWER FORCE MAIN, INCLUDING MANHOLES AND AIR VAC.

### DECLARATION OF RESPONSIBLE CHARGE

I, THE UNDERSIGNED ENGINEER, HEREBY DECLARE THAT I AM THE ENGINEER OF WORK FOR THIS PROJECT, THAT I HAVE EXERCISED RESPONSIBLE CHARGE OVER THE DESIGN OF THE PROJECT AS DEFINED IN SECTION 6703 OF THE BUSINESS AND PROFESSIONAL CODE, AND THAT THE DESIGN IS CONSISTENT WITH CURRENT STANDARDS. I UNDERSTAND THAT THE CHECK OF PLANS AND SPECIFICATION BY THE CITY OF RIALTO IS CONFINED TO REVIEW ONLY, AND DOES NOT RELIEVE ME AS ENGINEER OF WORK OF MY RESPONSIBILITIES FOR THE PROJECT.

*Robert Otte*  
ROBERT OTTE, RCE 44120

01/08/26  
DATE



### Underground Service Alert

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TWO WORKING DAYS BEFORE YOU DIG

REVISIONS	DESIGN BY: S.U.	DRAWN BY: L.C.	CHECKED BY: R.R. OTTE
▲ REVISED SANITARY SEWER FORCE MAIN ALIGNMENT			
▲			
▲			
▲			
▲			
MARK			

SEAL-DESIGN ENGINEER  
**ROBERT R. OTTE**  
No. 44120  
REGISTERED PROFESSIONAL ENGINEER  
CIVIL  
STATE OF CALIFORNIA

DEPT.	INIT.	DATE	PREPARED UNDER THE SUPERVISION OF:
			ROBERT OTTE, RCE No. 44120 (Exp. 08/30/27) 01/08/26 DATE
			RECOMMENDED FOR APPROVAL BY ENGINEERING RESOURCES OF CALIFORNIA: JOHN M. BRUDIN, RCE No. 41896 1/29/26 DATE
			APPROVED BY: MATTHEW SCOTT BENNETT, CITY ENGINEER, RCE 65100 2/3/26 DATE

**Kimley Horn**  
© 2024 KIMLEY-HORN AND ASSOCIATES, INC.  
3801 UNIVERSITY AVENUE, SUITE 300, RIVERSIDE, CA 92501  
PHONE: (951) 543-9868  
WWW.KIMLEY-HORN.COM

BENCHMARK: CITY OF RIALTO No. 036-88 Elev: 1490.698  
DESCRIPTION: CITY OF RIALTO BRASS DISC SET IN PCC BASE FOR STREET LIGHT No. 2162617E 17' SOUTH OF CENTERLINE OF RIVERSIDE OUTER HIGHWAY 68' WEST OF CENTERLINE OF CACTUS AVENUE. 04/01/1989

**CITY OF RIALTO**  
**TRACT MAP No. 20092**  
**SEWER IMPROVEMENT PLAN**  
TITLE SHEET

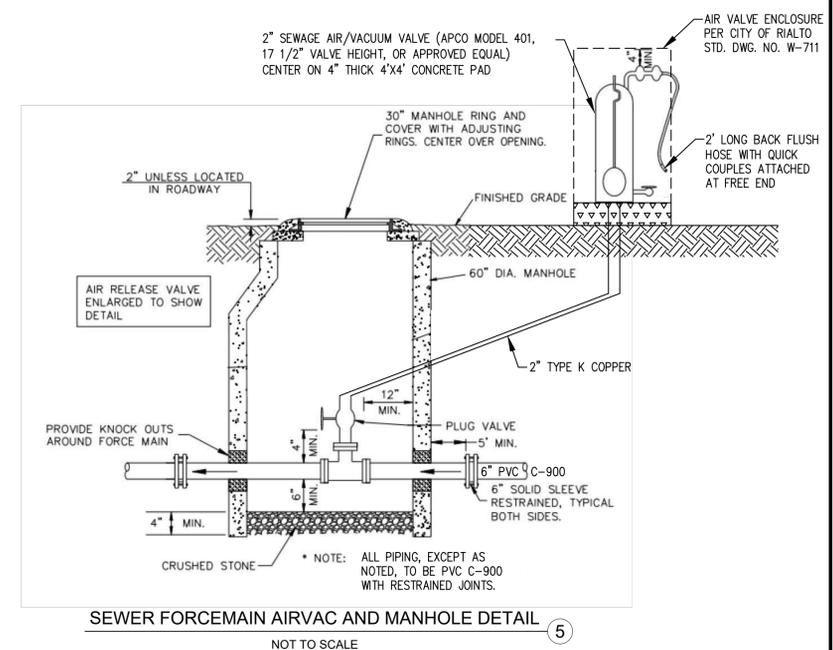
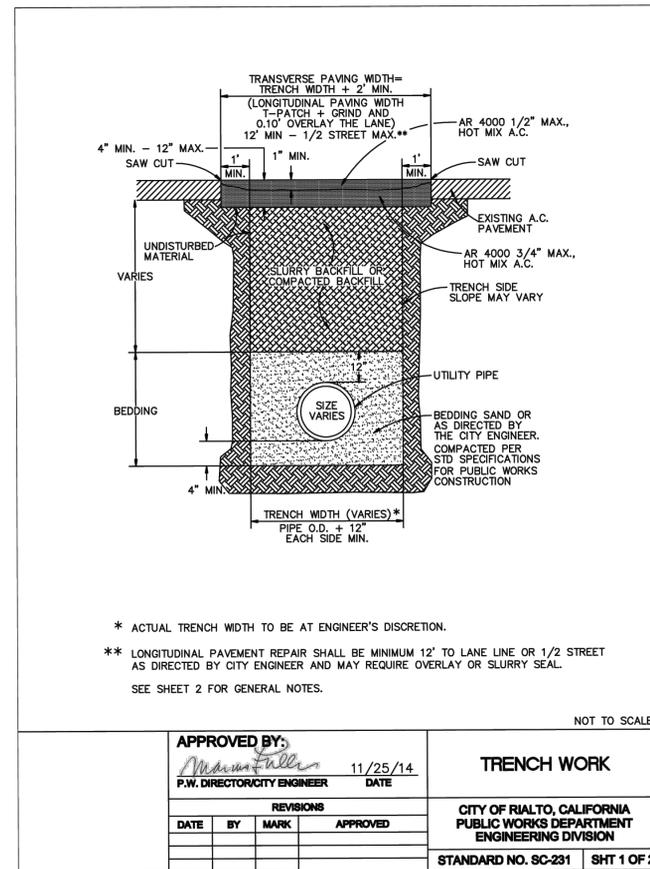
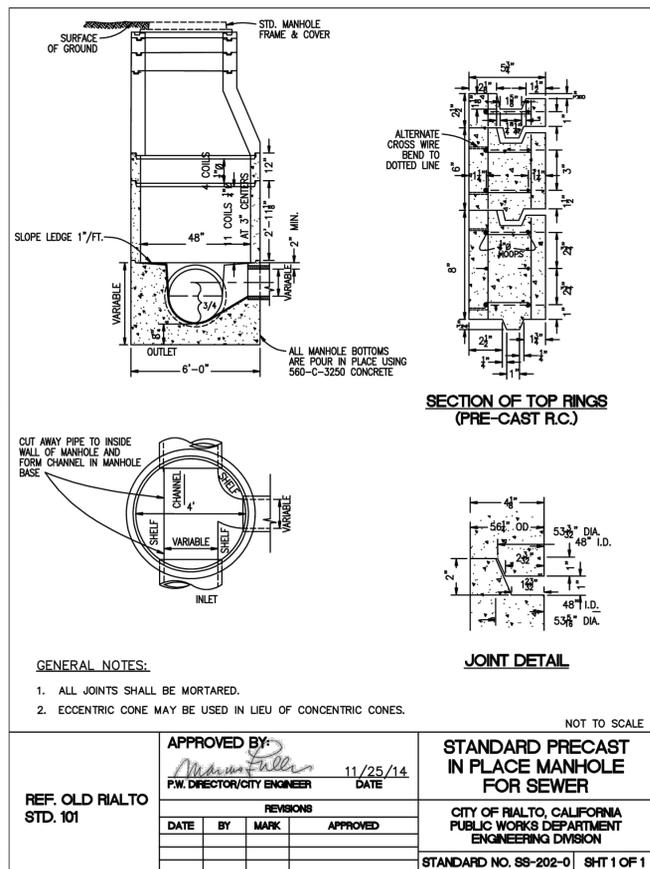
SHEET  
**1**  
OF 3 SHEETS

FOR: **LENNAR**      **TRACT 20092**      **PLAN No. S-TR-20092**

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Drawing name: k:\RIV\_DEV\19531010 - lemmar river ranch\CAD\plansheets\SS\ON SITE\117 station\3--DETAILS.dwg DETAILS Dec 01, 2025 4:02pm by: Jessi.Slater



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▲	REVISED SANITARY SEWER FORCE MAIN ALIGNMENT	
▲		
▲		
▲		
▲		
MARK	REVISIONS	
DESIGN BY: S.U.	DRAWN BY: L.C.	CHECKED BY: R.R. OTTE



DEPT.	INIT.	DATE

PREPARED UNDER THE SUPERVISION OF:	01/08/26
ROBERT OTTE, RCE No. 44120 (Exp. 08/30/25)	DATE
RECOMMENDED FOR APPROVAL BY ENGINEERING RESOURCES OF CALIFORNIA:	
JOHN M. BRUDIN, RCE No. 41896	1/29/26
	DATE
APPROVED BY:	2/3/26
MATTHEW SCOTT BENNETT, CITY ENGINEER, RCE 65100	DATE



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CITY OF RIALTO TRACT MAP No. 20092 SEWER IMPROVEMENT PLAN DETAILS			SHEET <b>3</b> OF 3 SHEETS
FOR:	LENNAR	TRACT 20092	PLAN No. S-TR-20092