

SEWER IMPROVEMENT GENERAL NOTES:

- 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.
- 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.
- 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.
- 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.
- MANHOLE COVERS SHALL BE LEFT AT LEAST 6" BELOW SUB GRADE AND BROUGHT TO FINAL GRADE UPON COMPLETION OF PAVING.
- 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 103. NO LATERAL SHALL BE PLACED UNDER ANY DRIVEWAY APPROACH OR DRIVEWAY.
- ALL COMPACTION SHALL BE PERFORMED AS SHOWN ON CITY OF RIALTO STANDARD NO. 110 AND THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, CURRENT EDITION AND ADDENDUMS.
- ALL VITRIFIED CLAY PIPE JOINTS TO BE TYPE D OR TYPE G AS SPECIFIED IN THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, CURRENT ADDITION.
- 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.
- 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. BALING MUST BE COMPLETED TO THE SATISFACTION OF THE CITY ENGINEER PRIOR TO OCCUPANCY RELEASES BEING ISSUED.
- THE 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 WIRES AND END OF HOUSE LATERALS AT THE PROPERTY LINE.
- 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.
- THE CURB AND GUTTER SHALL BE "ETCHED" SHOWING LATERAL LOCATIONS: "S" FOR SEWER, "G" FOR GAS, "E" FOR ELECTRICAL; AND "W" FOR WATER.
- 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.
- 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.
- DRIVE APPROACH CENTERLINES SHALL BE STAKED WHEN SEWER LINES ARE STAKED.
- NO TRENCH BACKFILL SHALL TAKE PLACE WITHOUT PRIOR APPROVAL OF THE CITY'S INSPECTOR.
- STREET TRENCHING, BACKFILLING AND PAVEMENT REPAIRS SHALL BE IN ACCORDANCE WITH CITY OF RIALTO STANDARD DRAWING NO. 64.
- 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.
- ALL NEW SANITARY SEWERS SHALL BE VIDEOTAPED, WITH TAPE SUPPLIED TO CITY ENGINEER, PRIOR TO CITY'S ACCEPTANCE OF ANY NEW SEWER.
- 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.

CITY OF RIALTO CONSTRUCTION INSPECTION HOURS
7:00A.M. TO 5:00P.M. - MONDAY THROUGH THURSDAY

NOTE TO CONTRACTOR:

CONSTRUCTION CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, CONSTRUCTION CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF THE CONSTRUCTION PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY; THAT THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS; AND CONSTRUCTION CONTRACTOR FURTHER AGREES TO DEFEND, INDEMNIFY AND HOLD DESIGN PROFESSIONAL HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE DESIGN PROFESSIONAL.

ALL CONTRACTOR AND SUB-CONTRACTORS PERFORMING WORK SHOWN OR RELATED TO THESE PLANS SHALL CONDUCT THEIR OPERATIONS SO THAT EMPLOYEES ARE PROVIDED A SAFE PLACE TO WORK AND THE PUBLIC IS PROTECTED. ALL CONTRACTORS AND SUB-CONTRACTORS SHALL COMPLY WITH THE "OCCUPATIONAL SAFETY AND HEALTH REGULATIONS" OF THE U.S. DEPARTMENT OF LABOR AND WITH THE STATE OF CALIFORNIA DEPARTMENT OF INDUSTRIAL RELATIONS "CONSTRUCTION SAFETY ORDERS." THE CIVIL ENGINEER SHALL NOT BE RESPONSIBLE IN ANY WAY FOR THE CONTRACTOR OR SUB-CONTRACTORS COMPLIANCE WITH SAID REGULATIONS AND ORDERS.

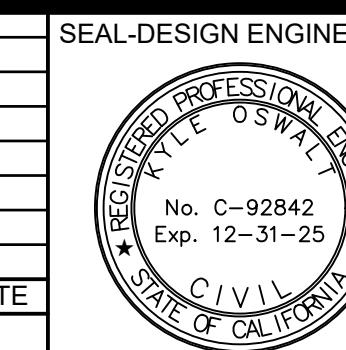
PRIVATE ENGINEER'S NOTICES TO CONTRACTORS:

THE EXISTENCE AND APPROPRIATE LOCATION OF ANY UNDERGROUND UTILITIES OR STRUCTURES SHOWN ON THESE PLANS ARE OBTAINED BY A SEARCH OF AVAILABLE RECORDS TO THE BEST OF OUR KNOWLEDGE. THERE ARE NO EXISTING UTILITIES OR STRUCTURES EXCEPT AS SHOWN ON THESE PLANS. THE ENGINEER ASSUMES NO LIABILITY AS TO THE EXACT LOCATION OF SAID LINES NOR FOR UTILITIES OR IRRIGATION LINES WHOSE LOCATIONS ARE NOT SHOWN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING ALL UTILITY AND IRRIGATION COMPANIES PRIOR TO WORK ON EXCAVATION TO DETERMINE EXACT LOCATION OF ALL LINES AFFECTING THIS WORK, WHETHER OR NOT SHOWN HEREON, AND FOR ANY DAMAGE OR PROTECTION OF THESE LINES.

THE CONTRACTOR SHALL CALL IN A LOCATION REQUEST TO UNDERGROUND SERVICE ALERT (U.S.A.) PHONE (800) 422-4133 TWO (2) WORKING DAYS PRIOR TO DIGGING, NO CONSTRUCTION PERMIT ISSUED BY PUBLIC WORKS DEPARTMENT SHALL BE VALID INVOLVING UNDERGROUND FACILITIES UNLESS THE APPLICANT HAS AN INQUIRY IDENTIFICATION NUMBER ISSUED BY U.S.A.



UNDERGROUND SERVICE ALERT	REVISIONS	APPR. DATE
CALL: TOLL FREE 1-800 227-2600		
MARK		
DESIGNED BY: KBO	DRAWN BY: KBO	CHECKED BY: EJB
DATE: 02-06-25		



PREPARED UNDER THE SUPERVISION OF:	DATE
KYLE OSWALT, RCE 92842, EXP. 12/31/2025	
RECOMMENDED FOR APPROVAL BY WILLDAN ENGINEERING:	DATE
RONALD J. STEIN, RCE 86877	
APPROVED BY:	DATE
MICHAEL ACKERMAN, ACTING CITY ENGINEER RCE 64663	



BENCH MARK: 017-88 (CITY OF RIALTO) ELEVATION= 1040.785 (NGVD 29)
DESCRIPTION: CITY OF RIALTO BRASS DISC SET IN TOP OF CURB 16' NORTH OF CL
SLOVER AVE., 41' EAST OF CL CACTUS AVE, 3' SOUTH OF FIRE HYDRANT.

FOR: ORANGEWOOD MOBILE HOME PARK

CITY OF RIALTO
10701 CEDAR AVENUE
BLOOMINGTON, CA 92316
SEWER PLAN & PROFILE

1
OF 2 SHEETS
PLAN No. _____

CITY OF RIALTO

SEWER IMPROVEMENT PLAN

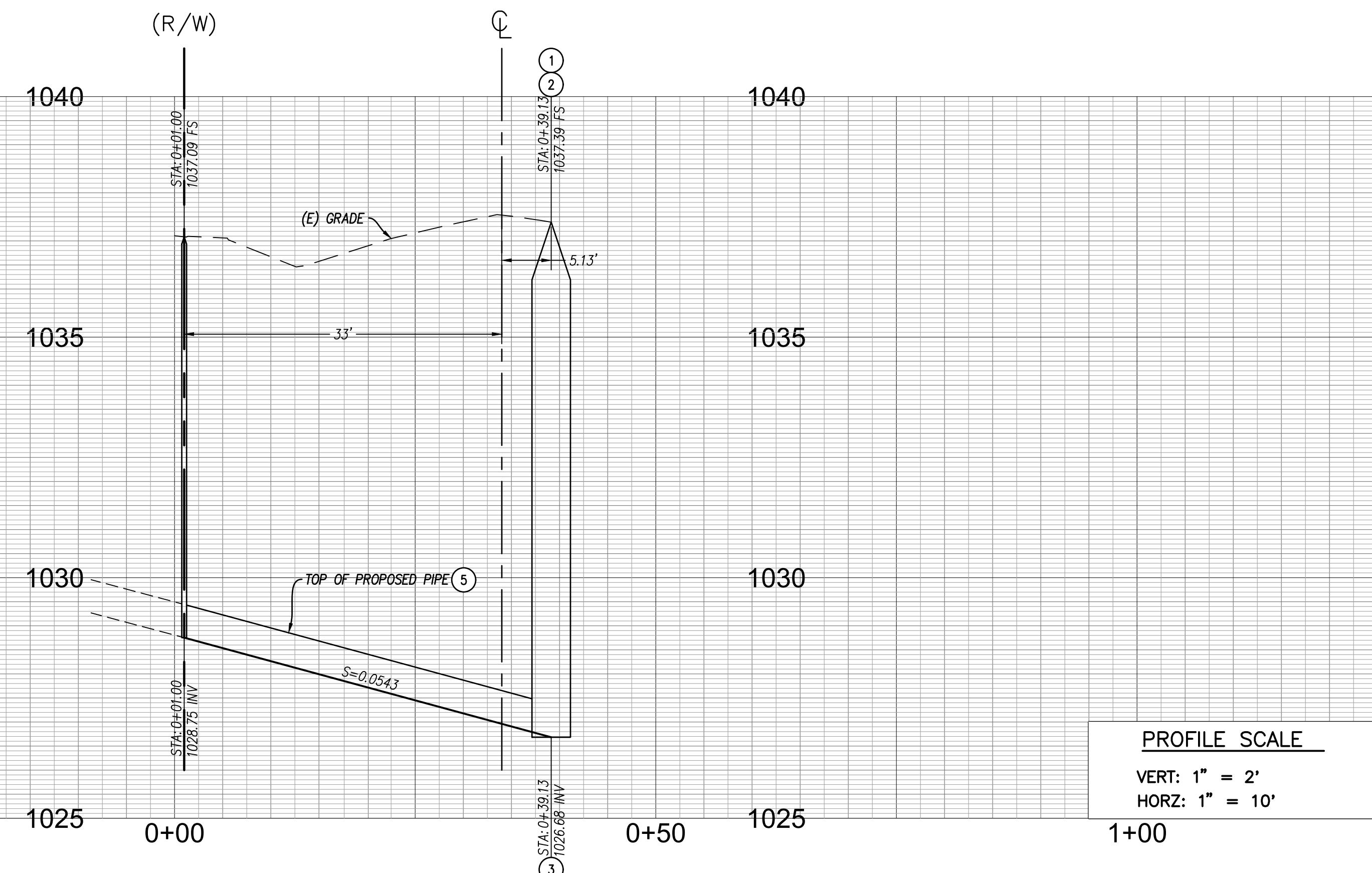
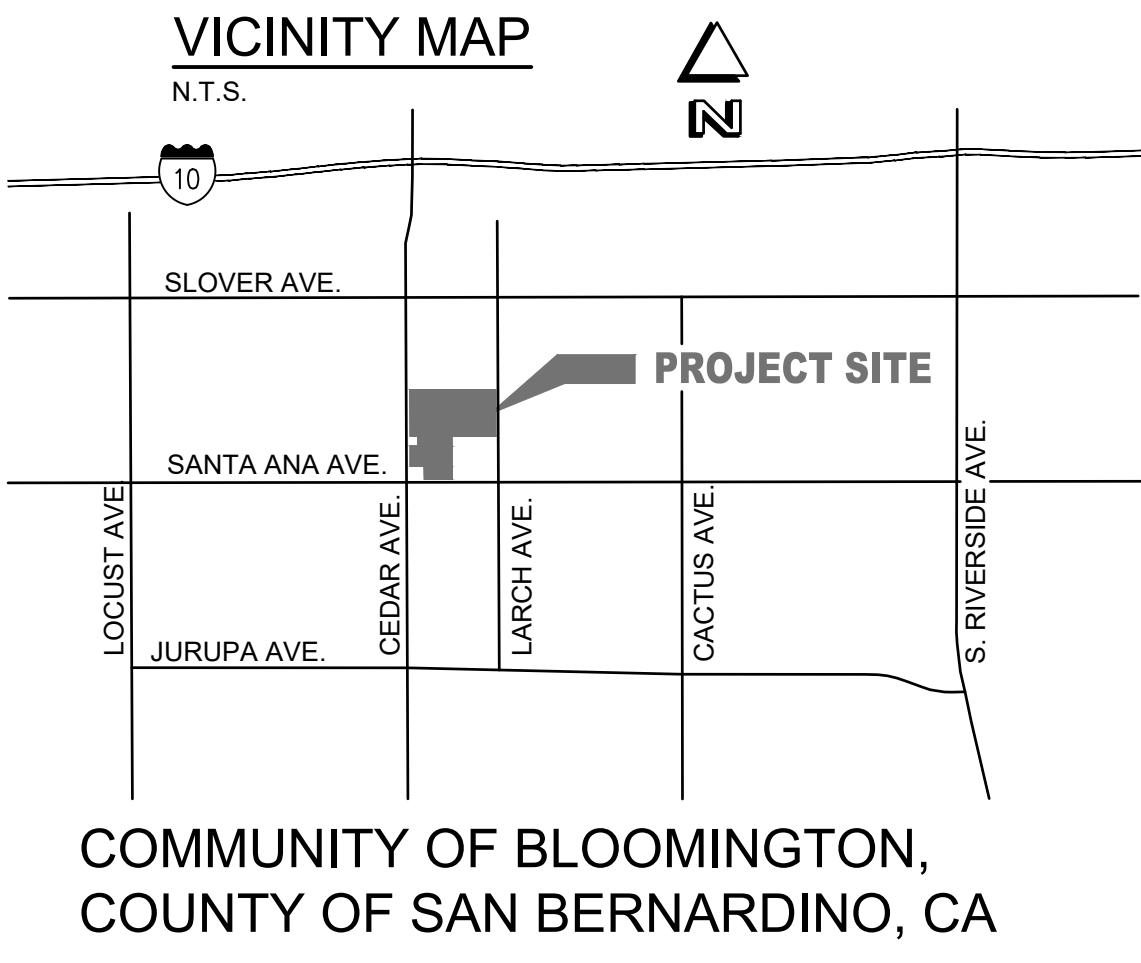
CEDAR VILLAGE MOBILE HOME PARK
10701 CEDAR AVENUE
BLOOMINGTON, CA 92316
APN(S): 0257-041-12 & -23

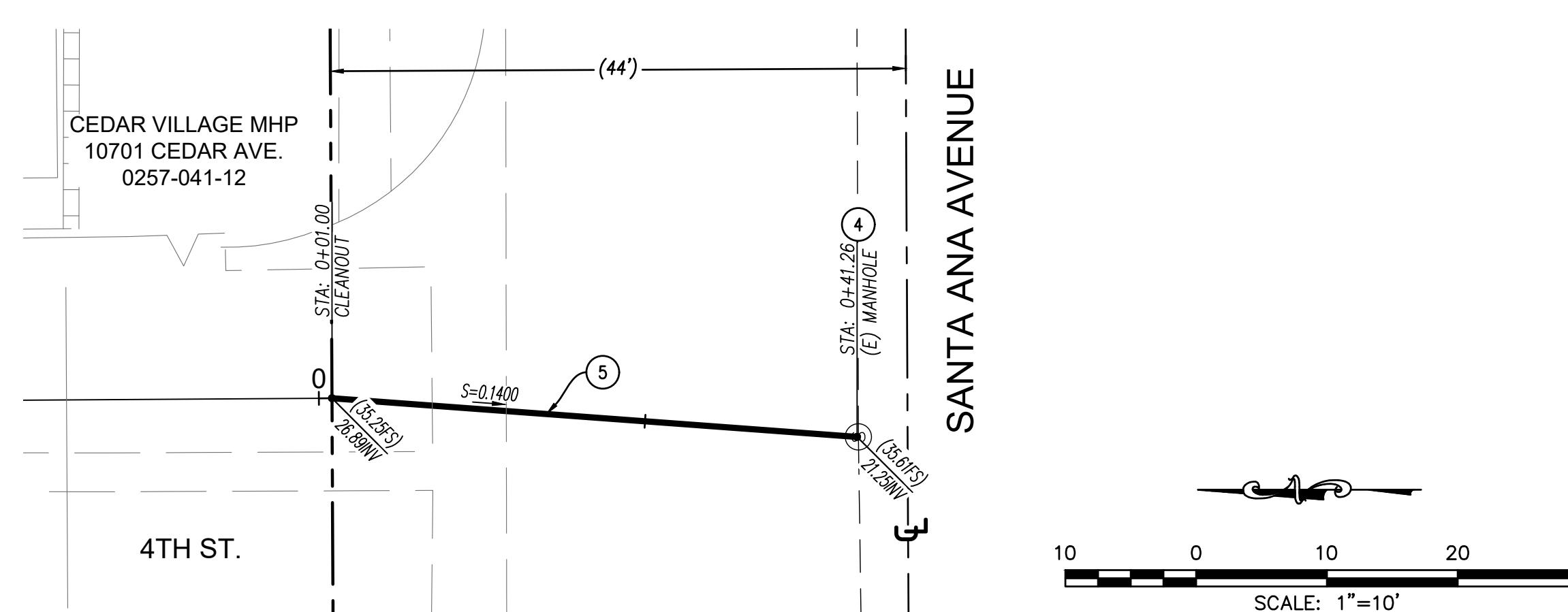
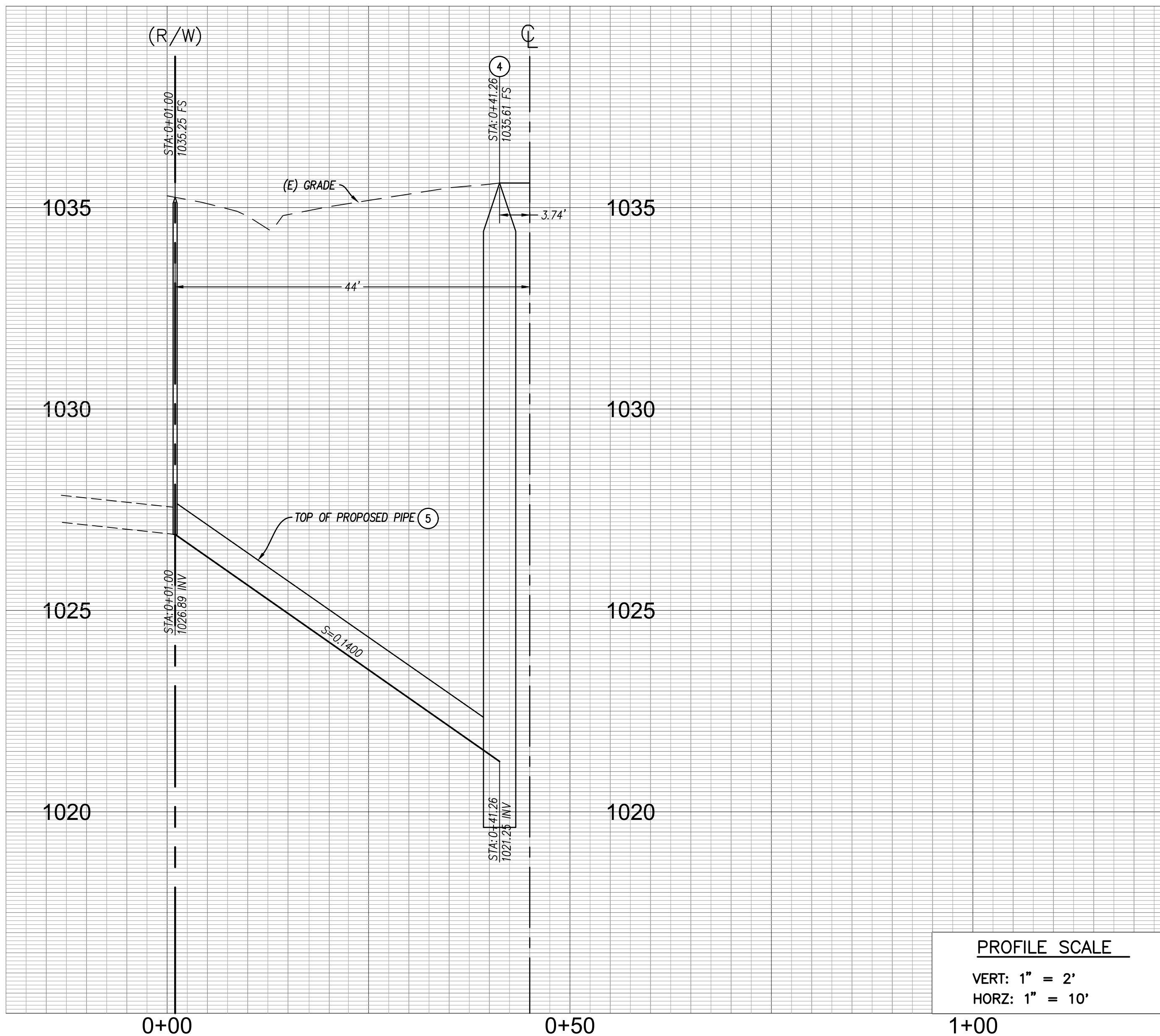
SHEET INDEX:

TITLE SHEET & LARCH AVE. SEWER PLAN
SANTA ANA AVE. SEWER PLAN

1

2





LEGEND

	EXISTING CONCRETE SURFACE
	PROPOSED CONCRETE SURFACE
	PROPOSED AC PAVEMENT
	RIGHT OF WAY
	PROPERTY LINE
	CENTERLINE
	EXISTING BLOCK OR STONE WALL
	FLOWLINE
	FILL SLOPE
	INDICATES DIRECTION OF FLOW
	CONTOUR ELEVATION (FEET)
	GATE VALVE
	FIRE HYDRANT
	WATER MAIN END
	EXISTING SEWER
	TELE RISER

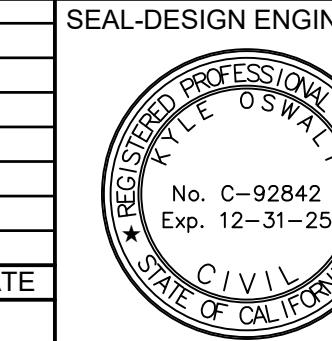
CONSTRUCTION NOTES:

QTY

- ① PRECAST IN PLACE SEWER MANHOLE PER CITY STD. SS-202-0. 1 EA.
- ② STANDARD MANHOLE FRAME, COVER & REINFORCED CONCRETE COLLAR PER CITY STD. SS-201-0. 1 EA.
- ③ SEWER MANHOLE BASE PER CITY STD. SS-204-0, CASE II. 1 EA.
- ④ REMOVE PLUG & CONNECT TO EXISTING STUB, PER CITY OF RIALTO SEWER PLAN NO. 5024 FOR SANTA ANA AVE. TRUNK SEWER STA. 78+00.00 TO STA. 89+00.00, SHEET 10 OF 20. 1 EA.
- ⑤ 8" V.C.P. 80 LF.



REVISIONS APPR. DATE
MARK DATE: 02-06-25
DESIGNED BY: KBO DRAWN BY: KBO CHECKED BY: EJB



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RECOMMENDED FOR APPROVAL BY WILLDAN ENGINEERING:
RONALD J. STEIN, RCE 86877
APPROVED BY:
MICHAEL ACKERMAN, ACTING CITY ENGINEER RCE 64663

BONADIMAN TEL. (909) 885-3806
234 NORTH ARROWHEAD AVE.
SAN BERNARDINO, CA 92408
FAX (909) 391-1721
www.bonadiman.com

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