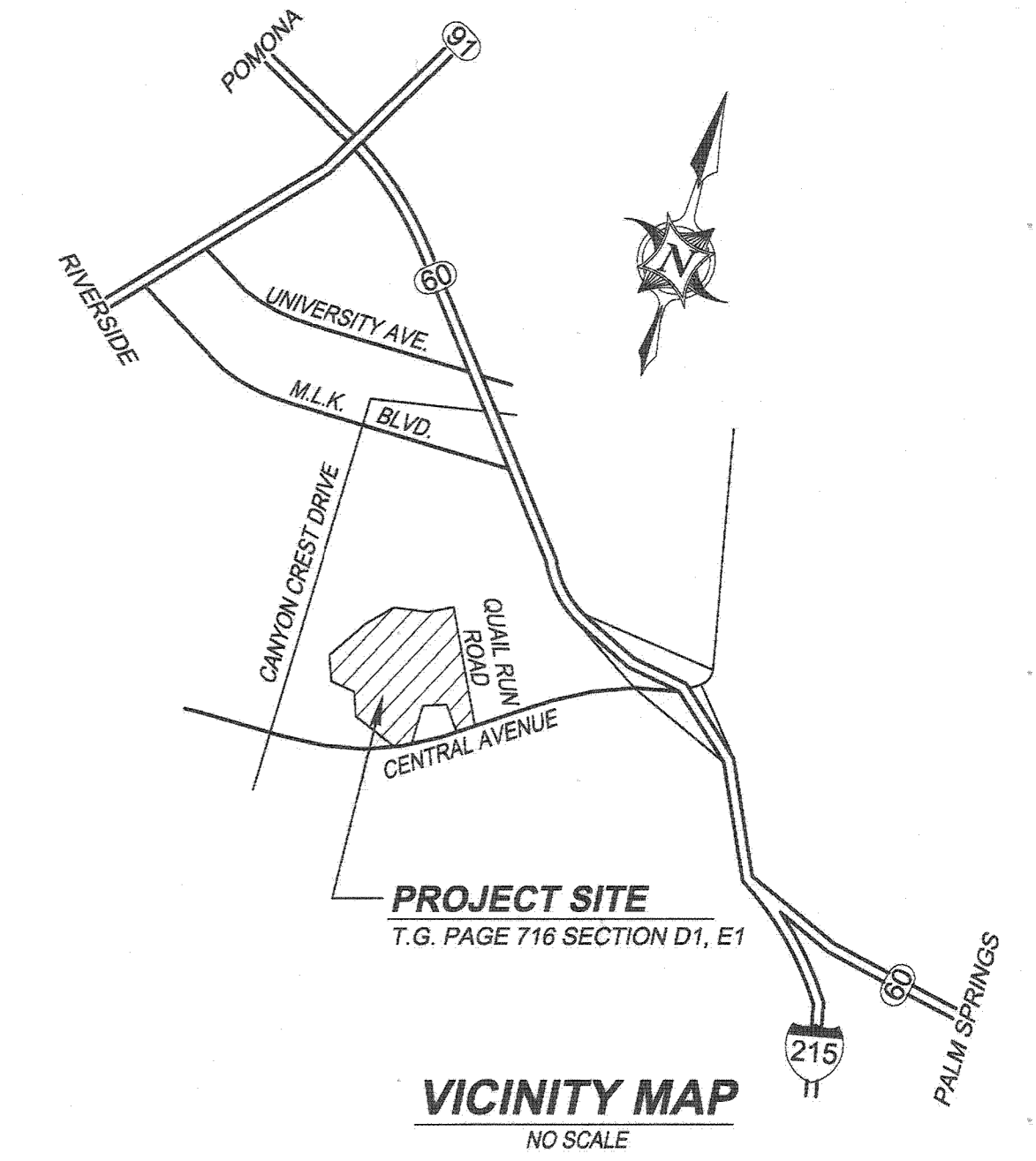
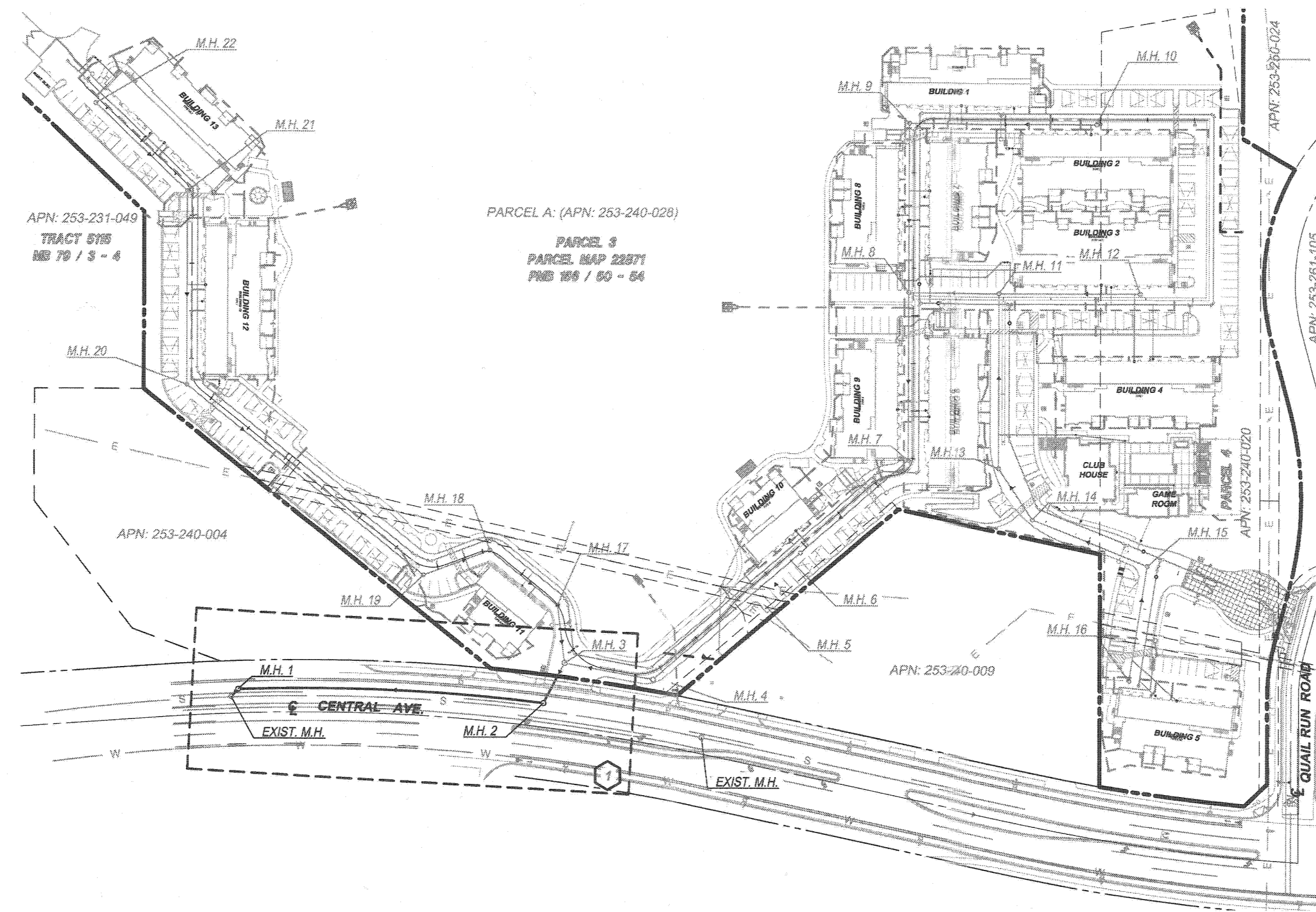


SEWER IMPROVEMENT PLANS FOR THE TRAILS AT CANYON CREST CITY OF RIVERSIDE

GENERAL NOTES

- NO PERSON 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.
- 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.
- 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.
- 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.
- ANY TRAFFIC CONTROL STRIPING OBLITERATED AND/OR BADLY WORN DURING CONSTRUCTION SHALL BE RESTORED BY THE CONTRACTOR WITHIN FIVE DAYS AFTER NOTIFICATION FROM THE CITY INSPECTORS.
- 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 SEGMENT 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.



IT IS THE CONTRACTOR / BIDDER'S RESPONSIBILITY TO REVIEW THESE PLANS AND PREPARE THEIR OWN TAKE-OFFS TO VERIFY ALL QUANTITIES INCLUDING ALL EARTHWORK QUANTITIES (RAW & REMEDIAL) TO COMPLETE ALL GRADING AND IMPROVEMENTS SHOWN ON THESE PLANS. 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 OF ABBREVIATIONS

ACP	ASBESTOS CEMENT PIPE	N	NORTH
ANG.	ANGLE	NLY	NORTHERLY
AVE.	AVENUE	N.T.C.	NOT TO SCALE
AVG.	AVERAGE	NO.	NUMBER
B.C.	BEGIN CURVE	PL.	PLACE
BFP	BACKFLOW PREVENTOR	P.V.C.	POLYVINYL CHLORIDE PIPE
CL	CENTERLINE	R	RADIUS
DR.	DRIVE	R.C.P.	REINFORCED CONCRETE PIPE
E	EAST	RD.	ROAD
EA.	EACH	RW	RIGHT OF WAY
E.C.	END CURVE	S	SOUTH
ELY	EASTERLY	SLY	SOUTHERLY
ELEV.	ELEVATION	SQ.	SQUARE
EST.	ESTIMATE	ST.	STREET
INV.	INVERT	STA	STATION
LAT.	LATERAL	STD.	STANDARD
L.F.	LINEAR FEET	TYP.	TYPICAL
LN.	LANE	VCP	VITRIFIED CLAY PIPE
LT.	LEFT	W	WEST
MH	MANHOLE	WLY	WESTERLY
MIN.	MINIMUM		

SYMBOLS LEGEND

	PROPOSED STREET LIGHT
	PROPOSED STREET NAME
	PROPOSED STOP SIGN
	PROPOSED SEWER LINE
	SEWER CLEAN OUT
	PROPOSED SEWER MANHOLE
	PROPOSED SEWER LATERAL
	PROPOSED WATER LINE
	PROPOSED WATER SERVICE
	10' W EXISTING WATER LINE
	10' S EXISTING SEWER LINE
	EXISTING STORM DRAIN

INDEX MAP

SCALE 1"=100'

1 INDICATES SHEET NUMBER

SHEET INDEX

SHEET 1	TITLE SHEET
SHEET 2	PLAN AND PROFILE

NOTE:
ALL SEWER LINES WITH SLOPE LESS THAN 1/8" INCH PER FOOT SHALL BE VERIFIED BY THE ENGINEER OF RECORD PRIOR TO THE REQUIRED INSPECTION BY THE CITY BUILDING INSPECTOR.

CONSTRUCTION NOTES

	QTY.	UNIT
20	2	EA.
21	353	L.F.
22	1	EA.
23	1	EA.

NOTICE 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 SHALL 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.

THE ENGINEER PREPARING THESE PLANS WILL NOT BE RESPONSIBLE FOR, OR LIABLE FOR, UNAUTHORIZED CHANGES OR USES OF THESE PLANS. ALL CHANGES TO THE PLANS MUST BE IN WRITING AND MUST BE APPROVED BY THE PREPARER OF THESE PLANS.

BENCH MARK:
SET ARIAL TARGET ON SPIKE AND WASHER TAGGED RICE 11842 AT THE INTERSECTION OF CENTRAL AVENUE AND QUAIL RUN ROAD.
ELEVATION: 1172.50

BASIS OF BEARINGS:
THE BEARINGS HEREON ARE BASED ON THE BEARING OF NORTH 00°04'10" EAST FOR THE CENTERLINE OF SECTION 32, TOWNSHIP 2 SOUTH, RANGE 4 WEST, SAN BERNARDINO MERIDIAN, AS SHOWN ON PARCEL MAP NO. 22871 FIELD APRIL 28, 1988 IN BOOK 156 OF PARCEL MAPS, PAGE 50-54, RIVERSIDE COUNTY RECORDER.

UNDERGROUND SERVICE ALERT
Call: Toll FREE 1-800-227-2600
TWO WORKING DAYS BEFORE YOU DIG

MAYERS & ASSOCIATES
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PLANNING • ENGINEERING • SURVEYING
15 Spectrum Plaza Drive • Suite 609 Lake Forest, CA 92550
(949) 999-0870 • (949) 999-0880 Fax • www.mayerscivil.com

REGISTERED PROFESSIONAL ENGINEER
GARY A. MARTIN
No. 50318
6/30/19
CIVIL
STATE OF CALIFORNIA

CITY OF RIVERSIDE PUBLIC UTILITIES OVERHEAD UNDERGROUND	CITY OF RIVERSIDE WATER DEPARTMENT
<i>[Signature]</i> APPROVED BY	<i>[Signature]</i> APPROVED BY
DATE	DATE

PROJECT SITE
A.P.N. 149-210-030-031 AND
1149-190-043, 044 & 046

MAYERS & ASSOCIATES
CITY BUSINESS TAX CERTIFICATE NO.
0109986 EXPIRES: 02/28/2015

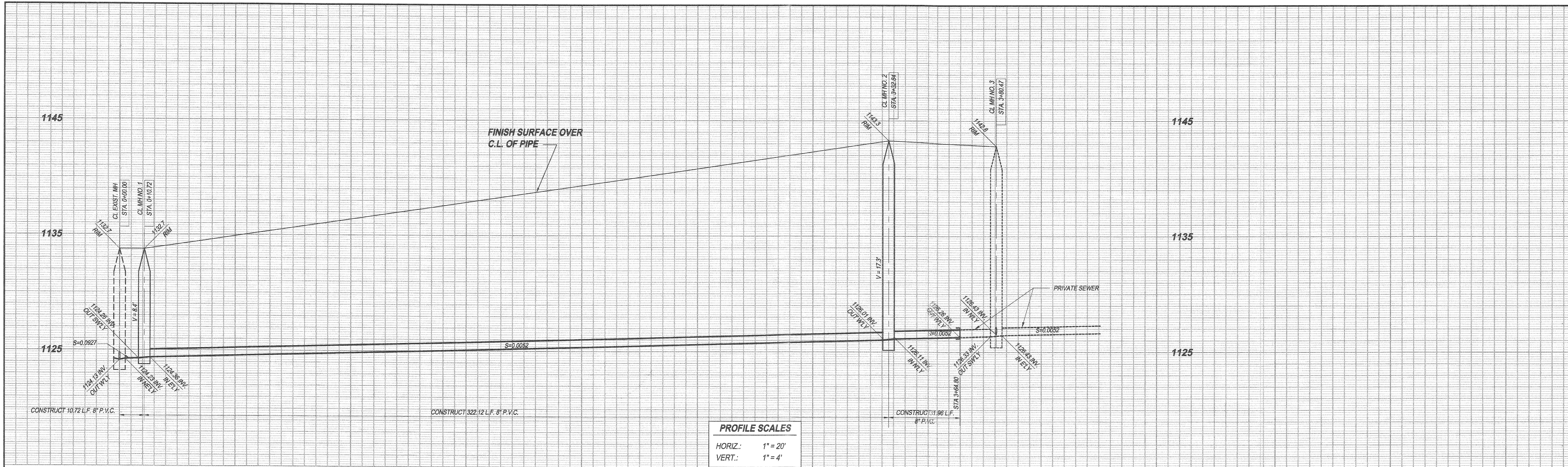
CITY OF RIVERSIDE, CALIFORNIA PUBLIC WORKS DEPARTMENT

APPROVED BY	BY	DATE	APPROVED BY
ENGINEERING MANAGER	<i>[Signature]</i>	3/18/18	<i>[Signature]</i>
TRAFFIC ENGINEERING			
CAPITAL PROJECTS	T.W. 5/25/18		
			CITY ENGINEER / PUBLIC WORKS DIRECTOR
			DATE: 6-6-18

SEWER IMPROVEMENT PLANS THE TRAILS AT CANYON CREST CENTRAL AVE TITLE SHEET

HORIZONTAL SCALE: PER PLAN VERTICAL SCALE: PER PLAN

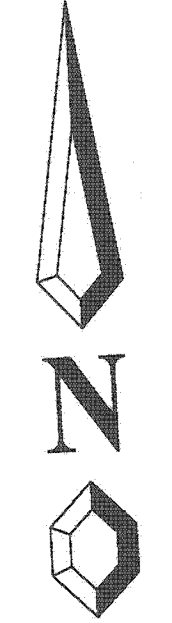
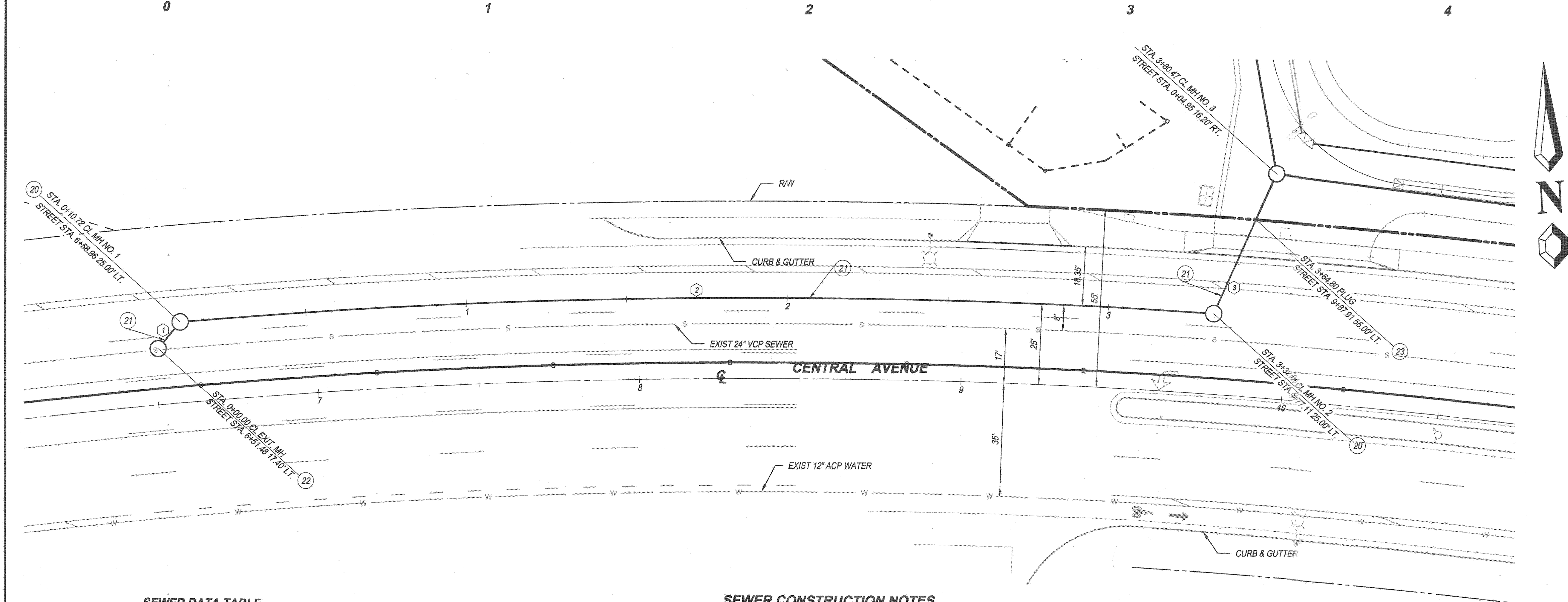
PW18-0038
ACCT. NO.
S-2160
SHEET 1 OF 2



PROFILE SCALES
 HORIZ.: 1" = 20'
 VERT.: 1" = 4'

SEWER GENERAL NOTES

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SEWER DATA TABLE

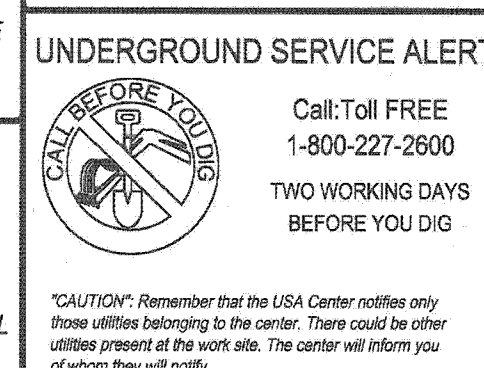
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9°06'51"	2025.00	322.12	161.40
N 27°26'31" E		31.96	

SEWER CONSTRUCTION NOTES

- 20 CONSTRUCT 80" SEWER MANHOLE PER CITY OF RIVERSIDE STD. PLAN 500
- 21 CONSTRUCT 8" P.V.C. SEWER MAIN PIPE AND BEDDING PER CITY OF RIVERSIDE STD. PLAN 452 CASE III
- 22 CONNECT TO EXISTING MANHOLE PER DETAIL HEREON
- 23 INSTALL PLUG

BENCH MARK:
 SET ARIAL TARGET ON SPIKE AND WASHER TAGGED RCE 11842 AT THE INTERSECTION OF CENTRAL AVENUE AND QUAIL RUN ROAD.
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CITY OF RIVERSIDE
 PUBLIC UTILITIES OVERHEAD UNDERGROUND

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 WATER DEPARTMENT

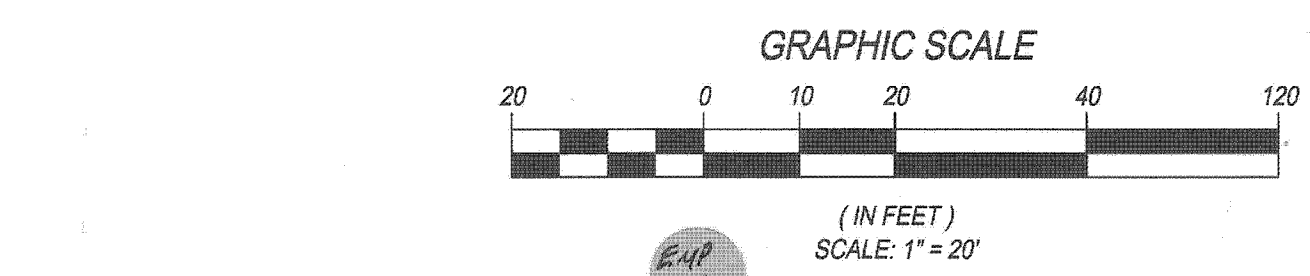
APPROVED BY: [Signatures] DATE: 3/8/18

CITY OF RIVERSIDE, CALIFORNIA
 PUBLIC WORKS DEPARTMENT

APPROVED BY: [Signatures] DATE: []

ENGINEERING MANAGER: [Signature]
 TRAFFIC ENGINEERING: [Signature]
 CAPITAL PROJECTS: [Signature]

CITY ENGINEER / PUBLIC WORKS DIRECTOR: [Signature]
 DATE: 6-6-18



SEWER IMPROVEMENT PLANS
 THE TRAILS AT CANYON CREST
 CENTRAL AVENUE

STA. 6+51.48 TO STA. 9+77.11

HORIZONTAL SCALE: PER PLAN VERTICAL SCALE: PER PLAN

PW18-0038
 ACCT. NO.
S-2160
 SHEET 2 OF 2