

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 (THIS NOTE REQUIRED ON ALL PLANS.)
- QUANTITIES SHOWN ARE FOR INFORMATION ONLY AND THE CITY OF RIVERSIDE IS NOT RESPONSIBLE FOR THEIR ACCURACY.
- WHEN A PORTION OF THE WORK IS TO BE DONE BY THE CITY, THE DEVELOPER AND/OR CONTRACTOR SHALL GIVE THE CITY 60-DAYS NOTICE SO THAT THE DEVELOPER'S WORK AND THE CITY'S WORK CAN BE PROPERLY COORDINATED. THE DEVELOPER SHALL PREPARE AND COMPACT THE SUBGRADE TO ELEVATIONS WITHIN ±.1' OF THE DESIGN ELEVATIONS AND SHALL BE RESPONSIBLE FOR THE CONDITION OF THE SUBGRADE UNTIL ACCEPTED BY THE CITY. THE DEVELOPER SHALL ALSO BE RESPONSIBLE FOR ANY BARRICADING DURING THIS TIME.
- THE DEVELOPER AND/OR CONTRACTOR SHALL CONTACT THE PUBLIC WORKS DEPARTMENT 30 DAYS PRIOR TO BEGINNING CONSTRUCTION TO NEGOTIATE THE COST OF THE CITY'S PORTION OF THE WORK.
- 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.
- SEE "STREET LIGHTING PLANS" FOR QUANTITY AND LOCATION OF REQUIRED STREET LIGHTS.
- ALL FLAGGED ELEVATIONS SHALL BE STAKED IN THE FIELD BY THE PRIVATE ENGINEER.
- WHERE NEW PAVEMENT IS TO JOIN THE EXISTING PAVEMENT, THE EDGE OF THE EXISTING PAVEMENT SHALL BE TRIMMED TO A SMOOTH AND STRAIGHT LINE. CONSTRUCT MATCH-UP PAVING AS SHOWN ON THE PLANS AND OVERLAY PAVING AS DIRECTED IN THE FIELD TO PRODUCE A SMOOTH SECTION.
- CONSTRUCT DRIVEWAY APPROACHES PER STANDARD DRAWING 302. EXACT SIZE AND LOCATION TO BE STAKED BY THE PRIVATE ENGINEER PRIOR TO CONSTRUCTION OF THE CURB AND GUTTER.
- THE SUBDIVIDER SHALL ARRANGE FOR A SOIL TEST TO BE MADE BY A SOILS ENGINEER AFTER THE STREETS HAVE BEEN PREPARED TO ROUGH GRADE AND PRIOR TO CURB AND GUTTER CONSTRUCTION. DEPTH OF BASE MATERIAL AND A.C. PAVING SHALL BE DETERMINED BY THE CITY OF RIVERSIDE DESIGN STANDARDS AND TEST PROCEDURES. (FOR TRACTS ONLY - SEE CHECK LIST ITEM 25 FOR OTHER PLANS.)
- ALL OVERHANGING TREE LIMBS THAT ARE LESS THAN 14' ABOVE THE STREET GRADE SHALL BE TRIMMED BACK.
- THE DEVELOPER IS RESPONSIBLE FOR PROVIDING ACCESS PAVING. SHOULD THE DEVELOPER AND/OR CONTRACTOR DECIDE TO INSTALL THE ACCESS PAVING PRIOR TO THE CITY COMMENCING ITS PAVING WORK, THE DEVELOPER SHALL COORDINATE HIS INSTALLATION OF ACCESS PAVING WITH THE CITY INSPECTOR. FINAL COURSE OF PAVING IN ACCESS AREA TO BE PAID FOR BY DEVELOPER PRIOR TO THE CITY COMMENCING ITS PAVING OPERATION. DEVELOPER SHALL INSTALL TYPE F-1 FLEXIBLE DELINEATORS AT 20' INTERVALS ON OUTGOING TAPERS.
- THE DEVELOPER AND/OR CONTRACTOR SHALL CONTACT THE STREET DIVISION (351-6127) TO PICK UP ANY EXISTING STD. 180 BARRICADES THAT ARE BEING REMOVED. THE CITY'S INSPECTOR WILL MAKE THE FINAL DETERMINATION ON WHETHER A BARRICADE CAN BE RELOCATED.
- ON ALL AREAS WITHIN PUBLIC RIGHT OF WAY WHERE THE FILL IS ONE (1) FOOT OR GREATER, A LETTER WILL BE REQUIRED FROM THE SOILS ENGINEER, CERTIFYING THE COMPACTION OF THE FILL BELOW SUBGRADE, PRIOR TO ISSUANCE OF THE CONSTRUCTION PERMIT/CUT SHEETS.
- STREET OPENING PERMIT FOR CONSTRUCTION AND/OR MODIFICATION OF TRAFFIC SIGNAL FACILITIES IS REQUIRED.
- ALL TRAFFIC SIGNS SHALL BE INSTALLED PRIOR TO OPENING THE STREETS TO TRAFFIC.
- 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.

- STREET IMPROVEMENT WORK THAT WILL CAUSE DAMAGE TO THE DETECTOR LOOP(S) SHALL NOT BE PERFORMED UNTIL TRAFFIC SIGNAL MAINTENANCE PERSONNEL HAVE BEEN NOTIFIED AND THE NECESSARY TIMING ADJUSTMENTS ARE MADE TO MAINTAIN SIGNAL OPERATION.
- THE CONTRACTOR SHALL CALL IN A LOCATION REQUEST TO UNDERGROUND SERVICE ALERT (USA), PHONE # 1-800-413-4133, 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.

SANITARY SEWER BY-PASS NOTES:

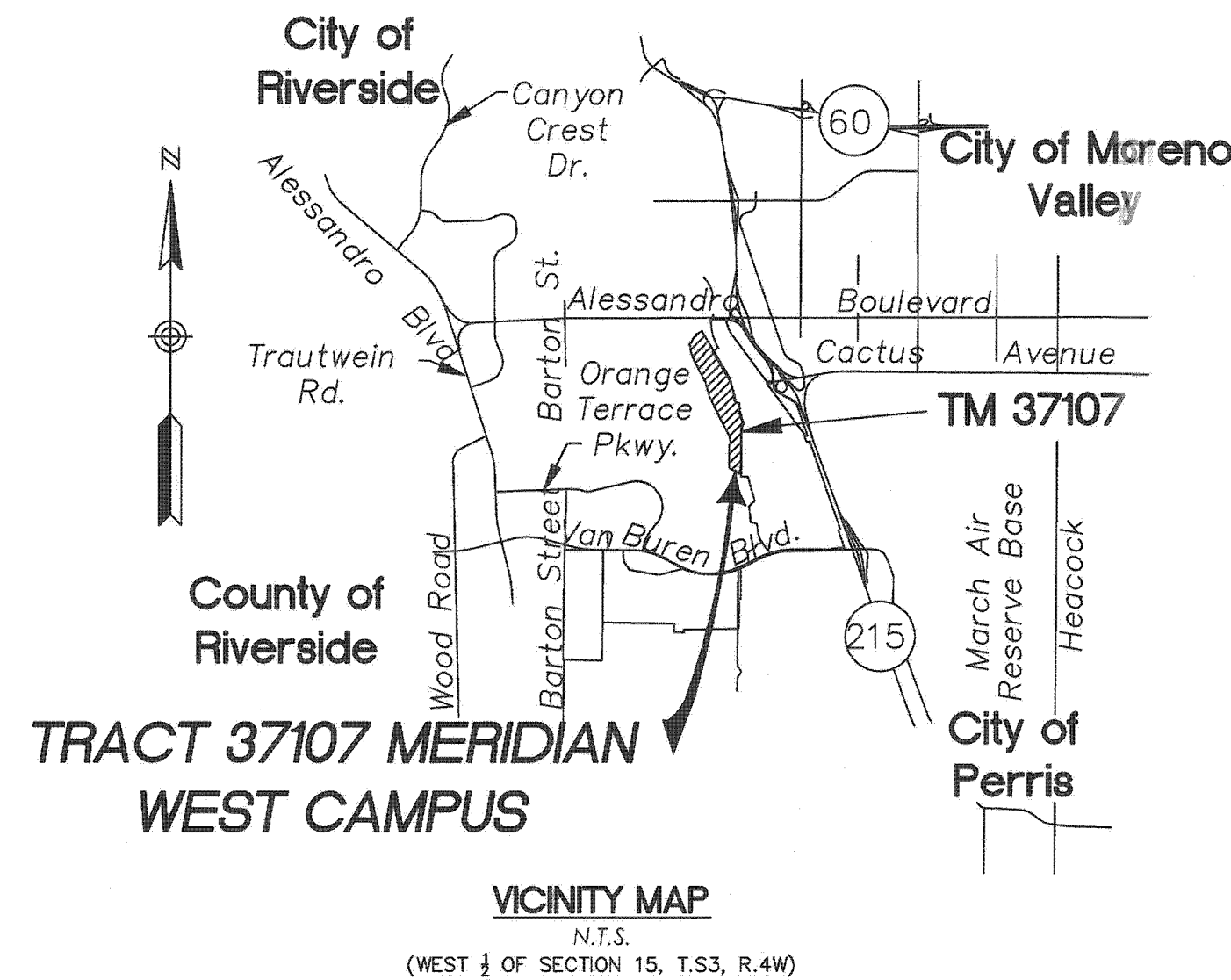
IF A SEWER BY-PASS PLAN IS REQUIRED PRIOR TO THE ISSUANCE OF A CONSTRUCTION PERMIT, CONTRACTOR SHALL PROVIDE A SEWER BY-PASS PLAN BASED ON THE FOLLOWING:

- GREENBOOK 2012 SECTION 7-8.5.3
- 7-8.5.3.1 SEWAGE SPILL CONTAINMENT PLAN.
- CHAPTER 14.12.295 OF THE RIVERSIDE MUNICIPAL CODE PROHIBITS THE DISCHARGE OF ANY POLLUTANT TO A STORM DRAIN OR ANY SURFACE PIPE, OR WATERWAY LEADING TO A STORM DRAIN. THE CONTRACTOR SHALL PREPARE AND SUBMIT TO THE ENGINEER FOR REVIEW A SEWAGE SPILL CONTAINMENT PLAN. NO WORK WILL BE PERMITTED ON THE EXISTING SEWER SYSTEM UNTIL THE ENGINEER'S REVIEW IS COMPLETED. A COPY OF THE PLAN SHALL BE KEPT ON THE PROJECT SITE DURING CONSTRUCTION. THIS PLAN SHALL DESCRIBE THE METHODS TO BE USED TO PREVENT OR CONTAIN SEWAGE SPILLS. AT A MINIMUM THE PLAN SHALL PROVIDE:
 - A SCALED DRAWING SHOWING ANY PROPOSED EMERGENCY CONTAINMENT AREA(S) AND THE METHODS TO USE TO CONSTRUCT THEM. THIS PLAN SHALL ALSO SHOW ANY STORM DRAIN INLETS THAT COULD BE AFFECTED BY AN ACCIDENTAL SPILL AND METHODS TO BE USED TO PREVENT THE INLETS FROM ACCEPTING ANY SEWAGE. IN ADDITION, SHOW THE CONTROLS TO BE USED TO LIMIT ACCESS TO THE SPILL AREA BY THE PUBLIC.
 - DESCRIBE THE METHODS TO BE USED FOR REMOVING SEWAGE AND CLEANING OF STORM DRAIN INLETS, STORM DRAINS, CANALS, AND ARROYOS. THIS DESCRIPTION SHALL INCLUDE METHODS FOR SOLIDS REMOVAL.
 - DESCRIBE CLEANUP METHODS INCLUDING DISINFECTING THE SPILL AREA. THESE METHODS SHALL SHOW HOW DISINFECTING MATERIALS WILL BE PREVENTED FROM ENTERING STORM DRAINS, CANALS, AND ARROYOS.
 - A SCALED DRAWING(S) SHOWING ANY PROPOSED SEWER BY-PASS PIPES. THIS DRAWING SHALL INDICATE ANY SEWER MANHOLES PROPOSED TO BE PLUGGED AND THE DAY AND TIME OF DAY THIS OPERATION WILL OCCUR.
 - THE SIZE AND MATERIAL OF ANY BY-PASS PIPES.
 - THE METHODS TO BE USED TO CONNECT THE BY-PASS PIPE(S) TO THE EXISTING SEWER SYSTEM.
 - IF PUMPING IS PROPOSED, DESCRIBE THE NUMBER AND CAPACITY OF THE PUMPS. EACH PUMP, AT A MINIMUM, MUST BE CAPABLE OF PASSING A 3-INCH DIAMETER SOLID.
 - IF STORAGE IS PROPOSED, PROVIDE THE METHODS TO BE USED FOR THE SEWAGE STORAGE AND REMOVAL FROM THE SITE. IF A TRUCK WITH A STORAGE TANK IS TO BE USED PROVIDE THE CAPACITY OF THE TANK. IF A WATER TRUCK IS PROPOSED FOR THIS PURPOSE IT MUST BE DEDICATED ONLY FOR THIS OPERATION. IN THE EVENT OF A SPILL THE CONTRACTOR SHALL CONTACT THE ENGINEER AND THE FIELD MAINTENANCE TECHNICIAN AT CELL 951-906-9066 (IF NOT AVAILABLE CONTACT THE WASTEWATER TREATMENT PLANT AT 951-351-6280). THE CONTRACTOR SHALL DOCUMENT THE SPILL BY PHOTOGRAPHING ITS EXTENT. THESE PHOTOGRAPHS SHALL BE SUBMITTED TO THE CITY FOR INCLUSION IN THE SPILL REPORT.

BASIS OF BEARINGS:

THE BASIS OF BEARING SHOWN HEREON FOR THIS PLAN IS THE CALIFORNIA STATE PLANE COORDINATE SYSTEM, ZONE 6, EPOCH 1992.88, BASED LOCALLY ON THE W'LY LINE OF LOT 15 AS SHOWN ON TRACT 30857-1, M.B. 371/28-38. BEARING: NORTH 00°47'09" EAST.

CITY OF RIVERSIDE MERIDIAN - WEST CAMPUS SEWER RELOCATION PLANS TRACT NO. 37107



LEGEND:

- ROAD CENTERLINE
- RIGHT OF WAY
- PROPERTY LINE
- EX. PAVEMENT
- SEWER LINE
- EXIST SEWER LINE
- SEWER MANHOLE
- EX/PROP RECYCLED WATER (PER WEST CAMPUS ROW PLANS)
- EX/PROP WATER (PER WEST CAMPUS WATER PLANS)
- EX/PROP STORM DRAIN (PER WEST CAMPUS STORM DRAIN PLANS)

NOTES:

WORK CONTAINED WITHIN THE SET OF PLANS SHALL NOT COMMENCE UNTIL AN ENCROACHMENT PERMIT AND/OR GRADING PERMIT HAS BEEN ISSUED

FOR PROPOSED GRADING AND STORM DRAIN PLEASE SEE MARCH JOINT POWERS AUTHORITY DWGS NO. W18-000-002 & W18-000-009

FOR STREET IMPROVEMENTS, SEE MARCH JOINT POWERS AUTHORITY DWG NO. W17-000-020

PROPOSED WWD SEWER, WATER, AND RECYCLED WATER IMPROVEMENTS PER FUTURE WWD-APPROVED PLANS

CONSTRUCTION NOTES:

	UNIT	QTY.
1) INSTALL 15" VCP, CASE II BEDDING PER CITY OF RIVERSIDE STD. DWG. 452	LF	2435
2) INSTALL MANHOLE PER CITY OF RIVERSIDE STD. DWG. 500	EA	7
3) TIE INTO EXISTING SEWER OR MANHOLE.	EA	4
4) INSTALL MINIMUM 5'-FT DIAMETER POUR-OVER MANHOLE PER CITY OF RIVERSIDE STD. DWG. 500. RECONTOUR MANHOLE BOTTOM TO DRAIN.	EA	4
5) EXISTING 15" VCP TO BE REMOVED.	LF	2080
6) EXISTING SEWER MANHOLE TO BE ABANDONED PER SSPWC "GREENBOOK" 2015 EDITION SECTION 306-3.3	EA	7

EXISTING UNDERGROUND STRUCTURES:

THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITY PIPE STRUCTURES OR CONDUITS 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. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO NOTIFY THE OWNERS OF THE UTILITIES OR STRUCTURES CONCERNED BEFORE STARTING WORK. CONTRACTOR FURTHER ASSUMES ALL LIABILITY AND RESPONSIBILITY FOR THE UNDERGROUND UTILITY PIPES, CONDUITS OR STRUCTURES SHOWN OR NOT SHOWN ON THESE PLANS.

NOTICE TO CONTRACTORS:

CONTRACTOR SHALL VERIFY ALL CONDITIONS AND DIMENSIONS AND SHALL REPORT ALL DISCREPANCIES TO THE ENGINEER PRIOR TO THE COMMENCEMENT OF WORK. CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING CONTINUOUS SERVICE OF THE EXISTING TRUNK SEWER THROUGH ALL PHASES OF CONSTRUCTION.

CONTRACTOR SHALL SUBMIT A SEWER BYPASS PLAN PER THE CITY OF RIVERSIDE STANDARD DRAWINGS FOR CONSTRUCTION (2011) SECTION 7-8.5.3.1 (REFERENCED HEREON). THE CITY SHALL APPROVE THE BY-PASS PLAN PRIOR TO ISSUING A CONSTRUCTION PERMIT.

QUANTITY DISCLAIMER:

QUANTITIES SHOWN HERE ON ARE PROVIDED FOR BONDING PURPOSES ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL QUANTITIES PRIOR TO CONSTRUCTION.

ABBREVIATIONS:

- BC BEGINNING OF CURVE
- BP BOTTOM OF PIPE INCLUDING THICKNESS
- C/L CENTERLINE
- C&G CURB & GUTTER
- D DEPTH
- EC END OFF CURVE
- EL ELEVATION
- FL FLOW LINE
- HPI HORIZONTAL POINT OF INFLECTION
- IE INVERT ELEVATION
- LT LEFT
- MH MANHOLE
- MIN MINIMUM
- P/L PROPERTY LINE
- PROP PROPOSED
- PVC POLYVINYL CHLORIDE
- R/W RIGHT OF WAY
- RCP REINFORCED CONCRETE PIPE
- RT RIGHT
- RW RECYCLED WATER
- TP TOP OFF PIPE INCLUDING THICKNESS

INDEX OF SHEETS

SHEET NO.	DESCRIPTION
1 OF 6	TITLE SHEET
2 OF 6	INDEX SHEET
3 OF 6	SEWER PLAN AND PROFILE
4 OF 6	SEWER PLAN AND PROFILE
5 OF 6	SEWER PLAN AND PROFILE
6 OF 6	SEWER PLAN AND PROFILE

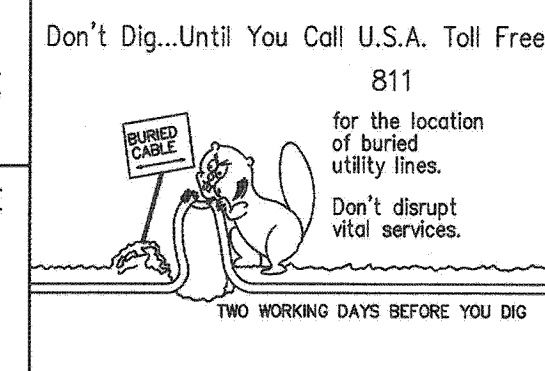
REVIEWED BY:
WESTERN MUNICIPAL WATER DISTRICT
for Non-Interference Compliance

SHEET 1 THROUGH 6

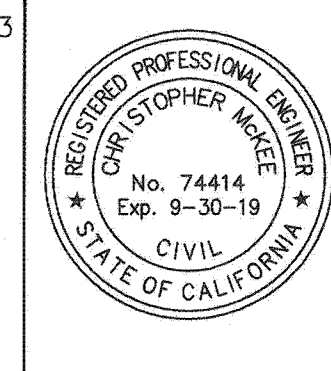
Derek Kowali
Derek Kowali
Director of Engineering

Date: 8/7/2018

NOTE:
WORK CONTAINED WITHIN THESE PLANS SHALL NOT COMMENCE UNTIL AN ENCROACHMENT PERMIT AND/OR A GRADING PERMIT HAS BEEN ISSUED



RIVERSIDE COUNTY B.M. F8-G3
EL. 1602.329'
DESCRIPTION: PK NAIL AND CITY ENGINEER TAG IN THE SIDEWALK OVER THE WESTERLY WALL OF A CATCH BASIN, 1' NORTHERLY OF THE FACE OF CURB ALONG THE NORTHERLY CURB OF ALESSANDRO BLVD. EASTERLY OF MISSION GROVE PARKWAY.



PREPARED BY:
Engineering, Inc.
Civil Engineering/Lead Surveying/Lead Planning

160 S. Old Springs Road
Suite 210
Anahim Hills, CA 92808
714-685-0860

CHRISTOPHER MCKEE R.C.E. 74414 DATE 8/1/18

CITY OF RIVERSIDE BUSINESS LICENSE #0338100 EXP: 01-31-2019

MARK REVISIONS APPR. DATE DESIGNED BY: PP DRAWN BY: DP CHECKED BY: CM

CITY OF RIVERSIDE, CALIFORNIA
PUBLIC WORKS DEPARTMENT

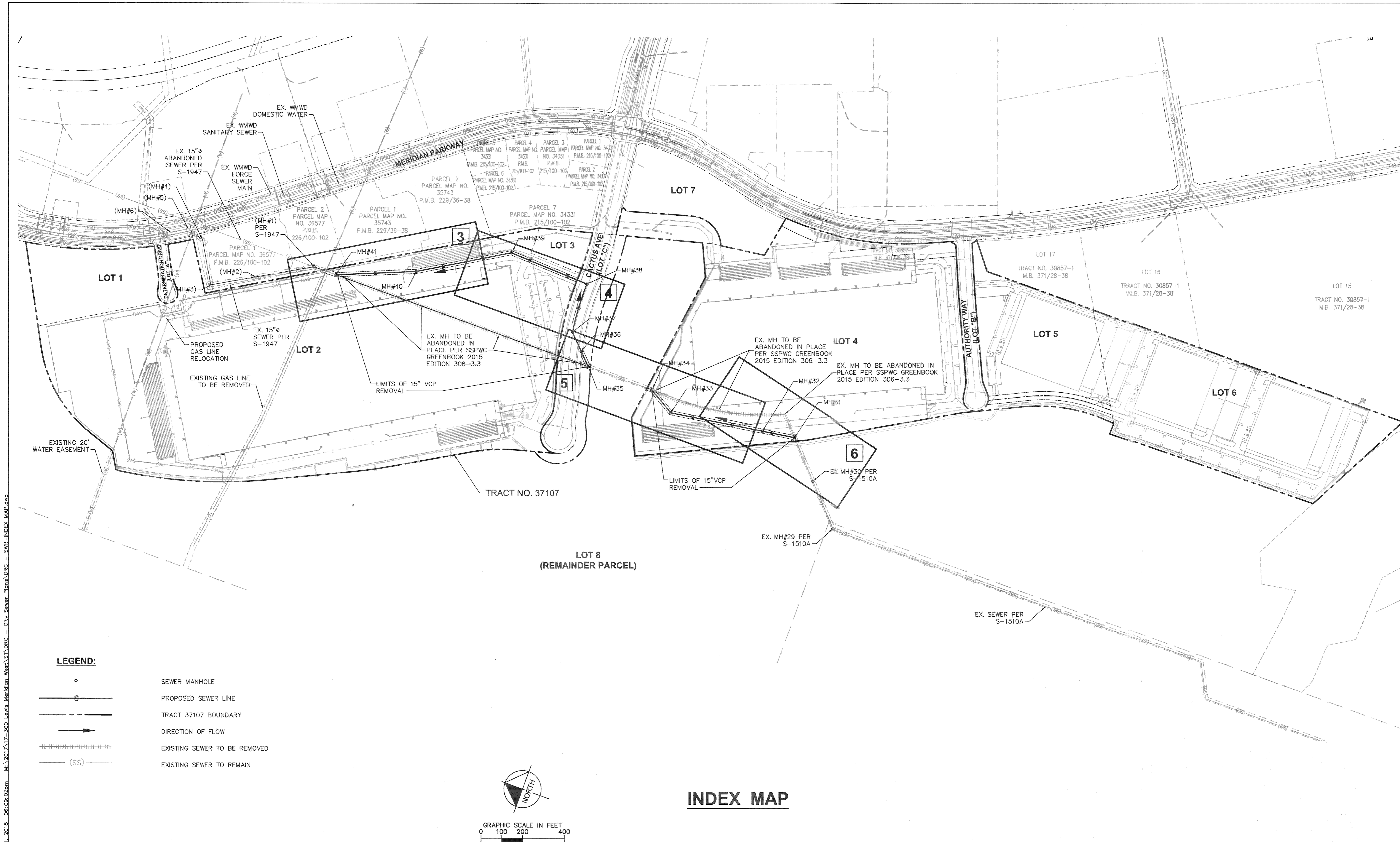
APPROVED BY: BY DATE APPROVED BY
PRINCIPAL ENGINEER T.N. 8/1/18
CONST. CONTRACT ADMIN.
STREET SERVICES
SURVEYOR
TRAFFIC DIVISION
PARKS DEPARTMENT

DATE 09-10-2018

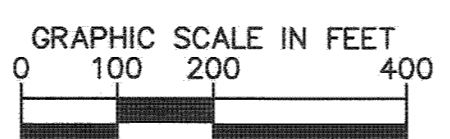
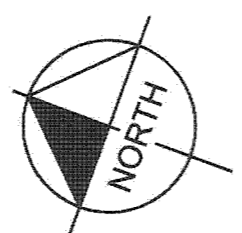
MERIDIAN - WEST CAMPUS
TRACT NO. 37107
SEWER RELOCATION PLANS
TITLE SHEET

PW 18-0055
S-2164
1 OF 6 SHTS
DWG. NO.:

SCALE: HORIZ: N/A VERT: N/A



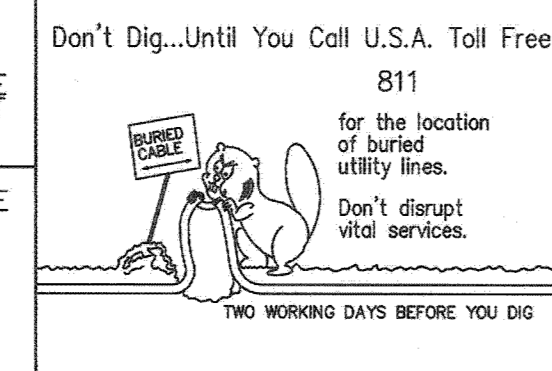
- LEGEND:**
- SEWER MANHOLE
 - S — PROPOSED SEWER LINE
 - - - - - TRACT 37107 BOUNDARY
 - DIRECTION OF FLOW
 - ||||| EXISTING SEWER TO BE REMOVED
 - (SS) EXISTING SEWER TO REMAIN



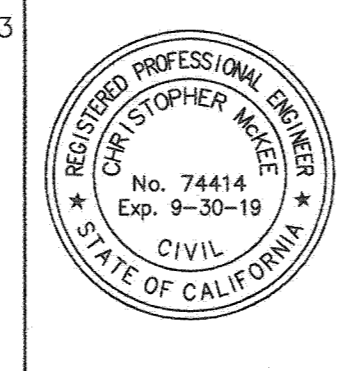
INDEX MAP

CITY OF RIVERSIDE BUSINESS LICENSE #0138100 EXP: 01-31-2019

NOTE:
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RIVERSIDE COUNTY B.M. F8-G3 EL. 1602.329'
 DESCRIPTION: PK NAIL AND CITY ENGINEER TAG IN THE SIDEWALK OVER THE WESTERLY WALL OF A CATCH BASIN, 1' NORTHERLY OF THE FACE OF CURB ALONG THE NORTHERLY CURB OF ALESSANDRO BLVD. EASTERLY OF MISSION GROVE PARKWAY.



PREPARED BY:
DRRC Engineering, Inc.
 Civil Engineering/Land Surveying/Land Planning
 160 S. Old Springs Road, Suite 210, Anaheim Hills, CA 92808
 714-685-6860
 Christopher McKee R.C.E. 74414 DATE 8/1/18

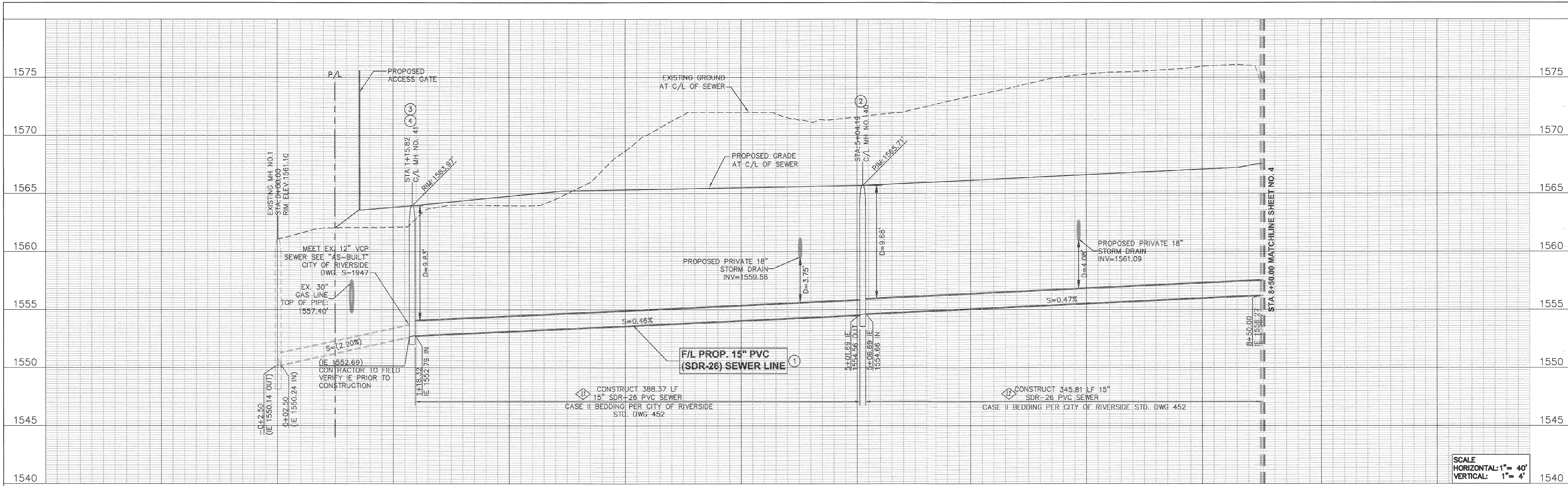
MARK	REVISIONS	APPR. DATE
DESIGNED BY: PP	DRAWN BY: PP	CHECKED BY: CM

CITY OF RIVERSIDE, CALIFORNIA PUBLIC WORKS DEPARTMENT		
APPROVED BY:	BY:	DATE:
PRINCIPAL ENGINEER	T.M.	8/1/18
CONST. CONTRACT ADMIN.		
STREET SERVICES		
SURVEYOR		
TRAFFIC DIVISION		
PARKS DEPARTMENT		
APPROVED BY:	DATE:	
<i>[Signature]</i>	09-10-2018	

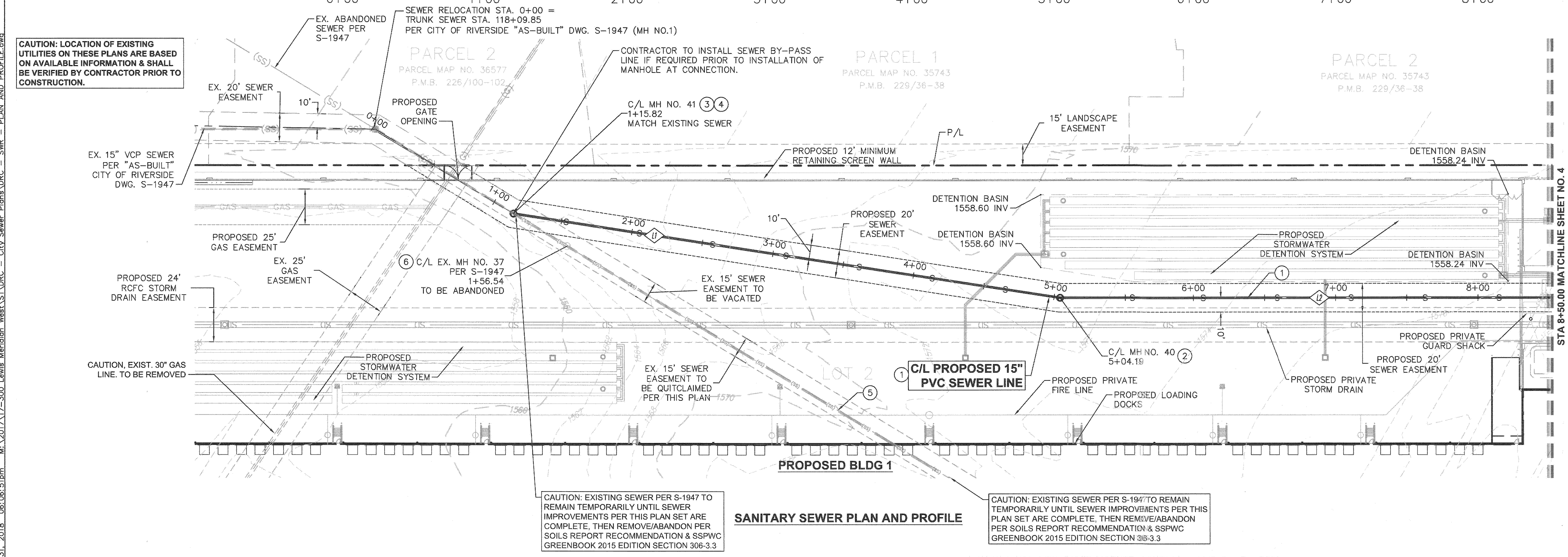
MERIDIAN - WEST CAMPUS
 TRACT NO. 37107
 SEWER RELOCATION PLANS
 INDEX SHEET
 SCALE: HORIZ: 1"=200' VERT: N/A

PW 18-0055
S-2164
 2 OF 6 SHTS
 DWG. NO.:
 S2164-2

July 31, 2018 06:09:02pm M:\2017\17-300 Lewis Meridian West\ST.DRC - City Sewer Plans\DR - SWR-INDEX MAP.dwg
 Plotted By: Paul Peabody



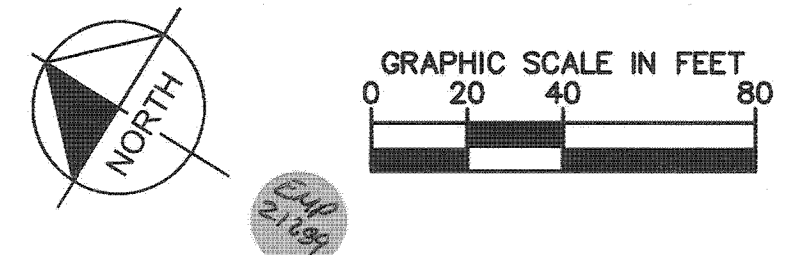
SCALE
HORIZONTAL: 1" = 40'
VERTICAL: 1" = 4'



CONSTRUCTION NOTES

- 1) INSTALL 15" SDR-26 PVC, CASE II BEDDING PER CITY OF RIVERSIDE STD. DWG. 452
- 2) INSTALL MANHOLE PER CITY OF RIVERSIDE STD. DWG. 500
- 3) TIE INTO EXISTING SEWER
- 4) INSTALL MINIMUM 5-FT DIAMETER POUR-OVER MANHOLE PER CITY OF RIVERSIDE STD. DWG. 500. RECONTOUR MANHOLE BOTTOM TO DRAIN.
- 5) EXISTING 15" VCP TO BE REMOVED
- 6) EXISTING SEWER MANHOLE TO BE ABANDONED PER SSPWC "GREENBOOK" 2015 EDITION SECTION 306-3.3

SEWER DATA TABLE				
Δ	DELTA OR BRG	RADIUS	LENGTH	TANGENT
L1	N21° 50' 25.09"W	-	388.374	-
L2	N30° 35' 36.02"W	-	345.811	-

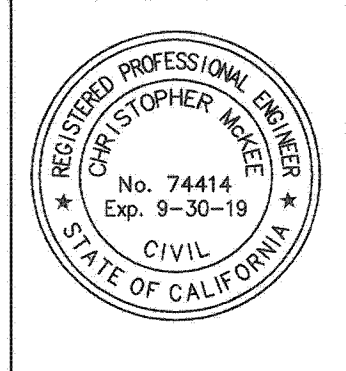


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Don't Dig...Until You Call U.S.A. Toll Free 811
for the location of buried utility lines.
Don't disrupt vital services.
TWO WORKING DAYS BEFORE YOU DIG

RIVERSIDE COUNTY B.M. F8-G3
EL. 1602.329
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PREPARED BY:
DORC Engineering, Inc.
Civil Engineering/Land Surveying/Land Planning
160 S. Old Springs Road
Suite 210
Anaheim Hills, CA 92808
714-685-6860

CHRISTOPHER MCKEE R.C.E. 74414 8/1/18 DATE

CITY OF RIVERSIDE BUSINESS LICENSE #0138100 EXP: 01-31-2019

MARK REVISIONS APPR. DATE
DESIGNED BY PP DRAWN BY PP CHECKED BY CM

CITY OF RIVERSIDE, CALIFORNIA
PUBLIC WORKS DEPARTMENT

APPROVED BY: [Signature]
PRINCIPAL ENGINEER
CONST. CONTRACT ADMIN.
STREET SERVICES
SURVEYOR
TRAFFIC DIVISION
PARKS DEPARTMENT

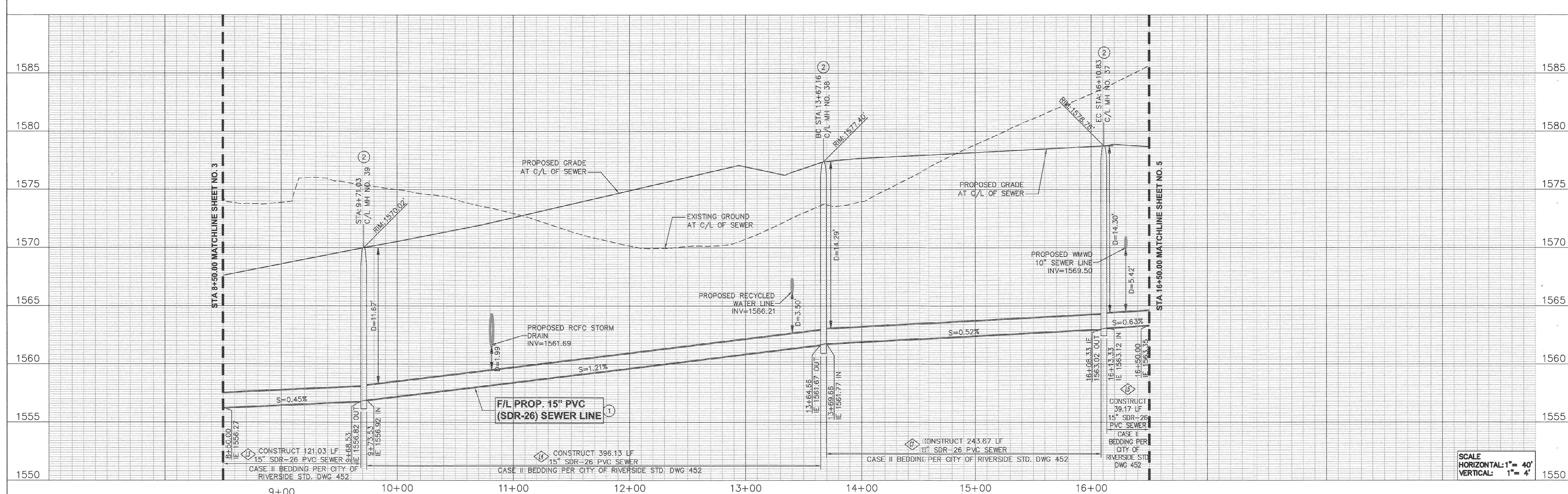
BY DATE
[Signature] 8/1/18
[Signature] 8/20/18
[Signature] 8/20/18

APPROVED BY: [Signature]
CITY ENGINEER
DATE 08-10-2018

MERIDIAN - WEST CAMPUS
TRACT NO. 37107
SEWER RELOCATION PLANS
TRUNK SEWER RELOCATION
(STA 0+00.00 TO STA 8+50.00)

PW 18-0055
S-2164
3 OF 6 SHTS
DWG. NO.:

SCALE: HORIZ: 1"=40' VERT: 1"=4'

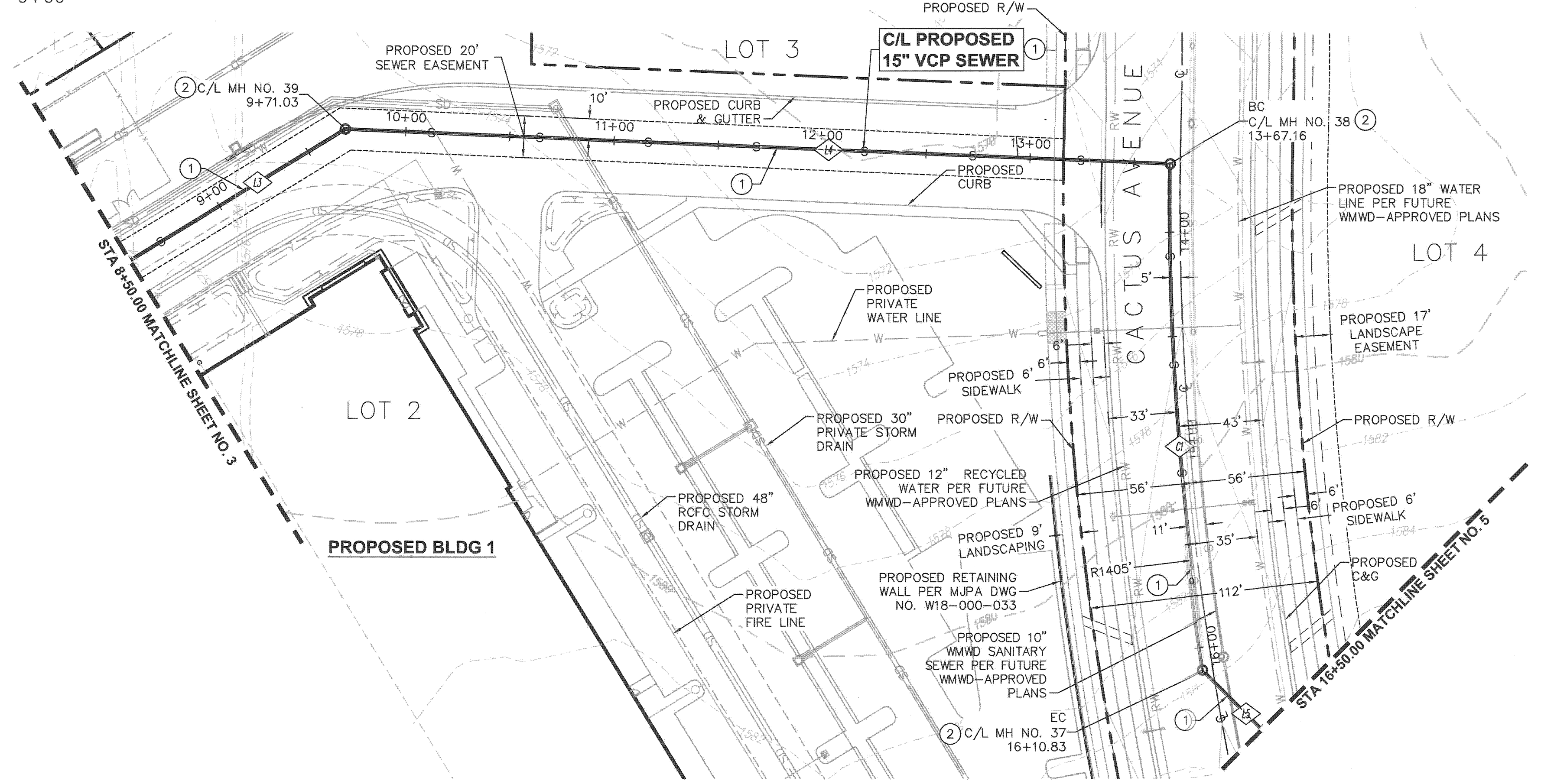


SCALE
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VERTICAL: 1" = 4'

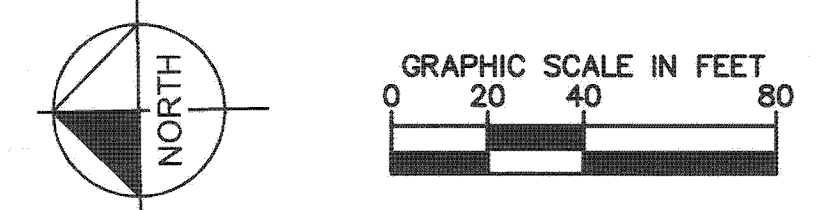
CAUTION: LOCATION OF EXISTING UTILITIES ON THESE PLANS ARE BASED ON AVAILABLE INFORMATION & SHALL BE VERIFIED BY CONTRACTOR PRIOR TO CONSTRUCTION.

CONSTRUCTION NOTES

- 1 INSTALL 15" SDR-26 PVC, CASE II BEDDING PER CITY OF RIVERSIDE STD. DWG. 452
- 2 INSTALL MANHOLE PER CITY OF RIVERSIDE STD. DWG. 500

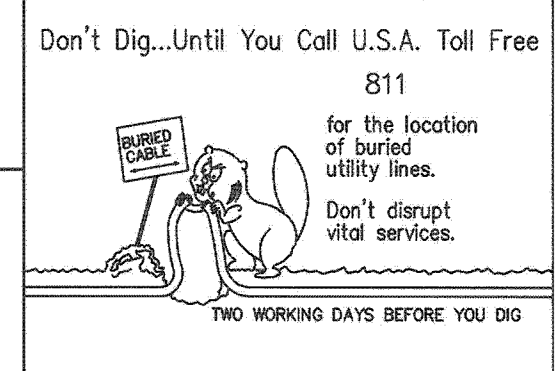


SEWER DATA TABLE				
Δ	DELTA OR BRG	RADIUS	LENGTH	TANGENT
C1	Δ=9°56'12"	1405.00	243.667	122.14
L3	N30° 35' 36.02"W	-	121.029	-
L4	N3° 15' 18.30"E	-	396.130	-
L5	N45° 49' 26.60"E	-	39.174	-

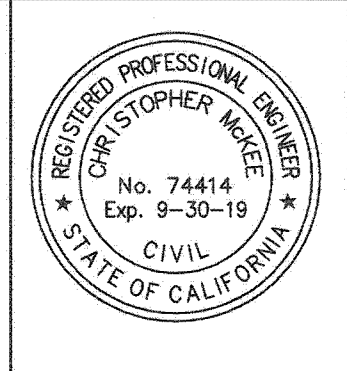


August 01, 2018 08:37:13am M:\2017\17-300 Lewis Meridian West\ST\DRG - City Sewer Plans\DRG - SWR - PLAN AND PROFILE.dwg
 Plotted By: Paul Tebbel

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.



RIVERSIDE COUNTY B.M. F8-33
EL. 1602.329'
DESCRIPTION: PK NAIL AND CITY ENGINEER TAG IN THE SIDEWALK OVER THE WESTERLY WALL OF A CATCH BASIN, 1' NORTHERLY OF THE FACE OF CURB ALONG THE NORTHERLY CURB OF ALESSANDRO BLVD. EASTERLY OF MISSION GROVE PARKWAY.



PREPARED BY:
DRRC Engineering, Inc.
Civil Engineering/Land Surveying/Land Planning
160 S. Old Springs Road
Suite 210
Anaheim Hills, CA 92808
714-685-6860

CHRISTOPHER MOORE R.C.E. 74414
DATE 8/1/18

CITY OF RIVERSIDE BUSINESS LICENSE #0138100 EXP: 01-31-2019

MARK	REVISIONS	APPR.	DATE
DESIGNED BY: PP	DRAWN BY: PP	CHECKED BY: CM	

CITY OF RIVERSIDE, CALIFORNIA
PUBLIC WORKS DEPARTMENT

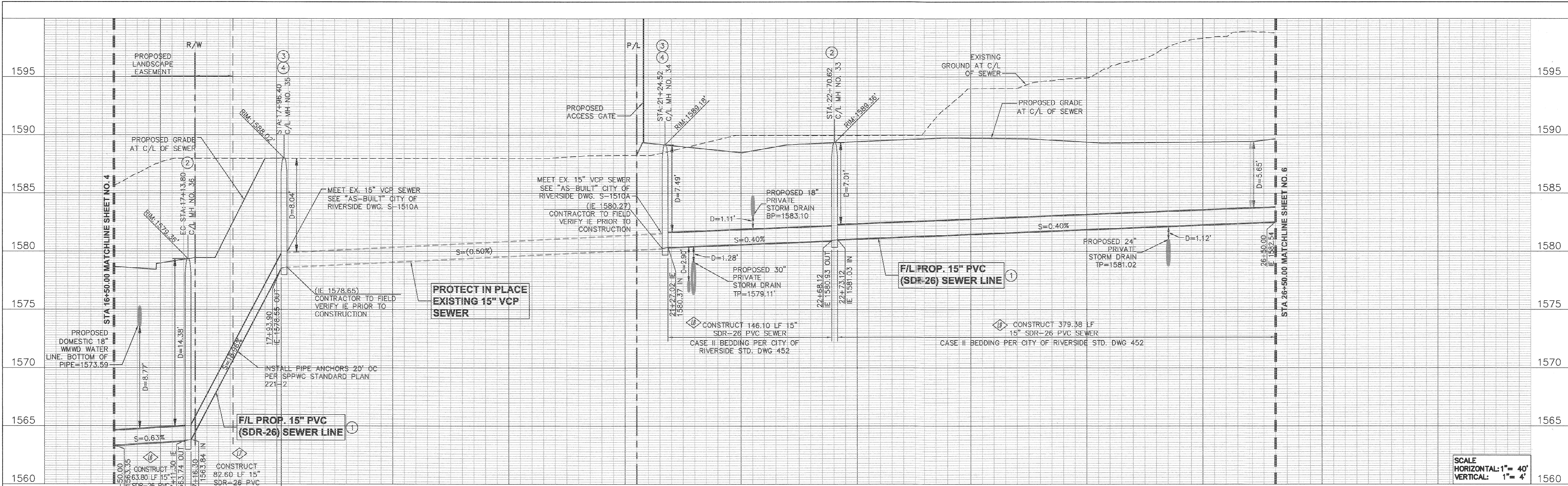
APPROVED BY: [Signature]
PRINCIPAL ENGINEER
CONST. CONTRACT ADMIN.
STREET SERVICES
SURVEYOR
TRAFFIC DIVISION
PARKS DEPARTMENT

DATE 08-20-18

MERIDIAN - WEST CAMPUS
TRACT NO. 37107
SEWER RELOCATION PLANS
PLAN AND PROFILE
(STA 8+50.00 TO STA 16+50.00)

SCALE: HORIZ: 1"=40' VERT: 1"=4'

PW 18-0055
S-2164
4 OF 6 SHTS
DWG. NO.:



SCALE
HORIZONTAL: 1"= 40'
VERTICAL: 1"= 4'

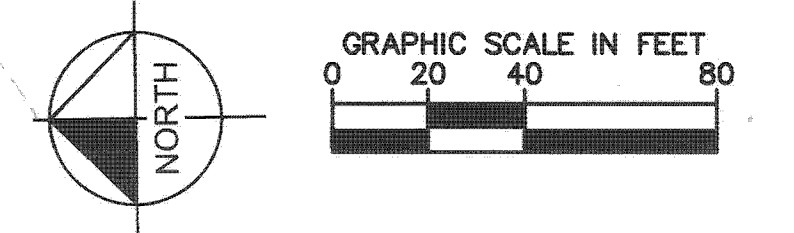
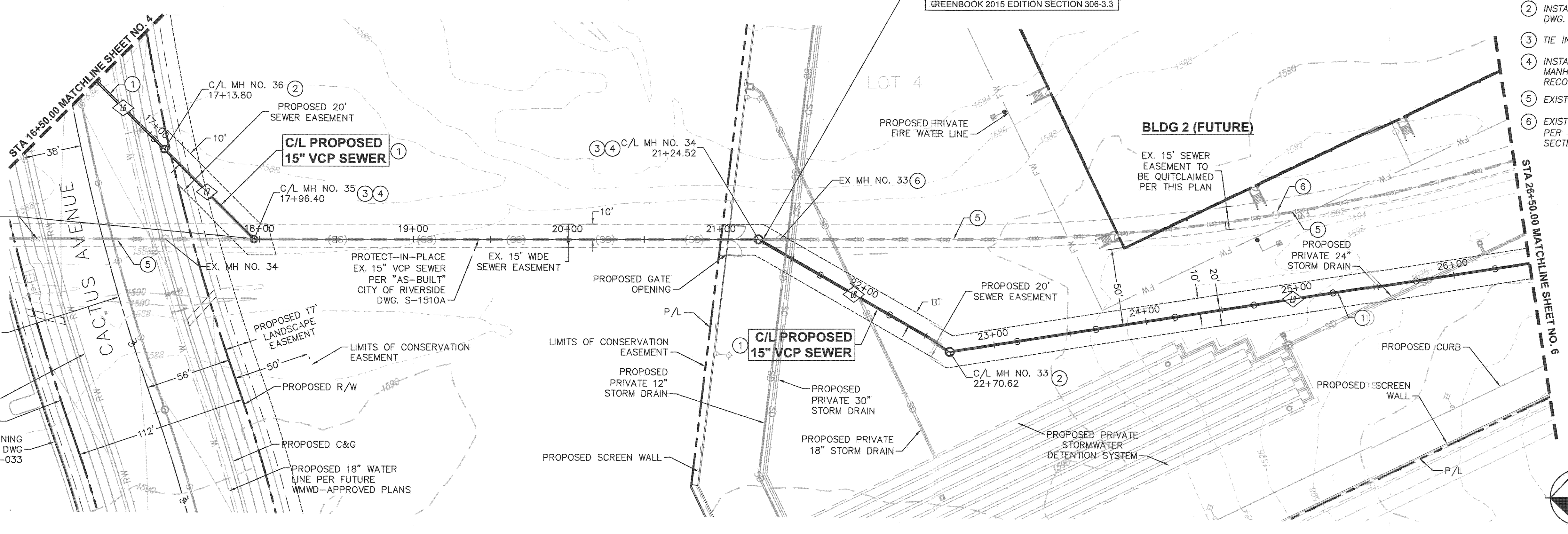
CAUTION: LOCATION OF EXISTING UTILITIES ON THESE PLANS ARE BASED ON AVAILABLE INFORMATION & SHALL BE VERIFIED BY CONTRACTOR PRIOR TO CONSTRUCTION.

SEWER DATA TABLE	DELTA OR BRG	RADIUS	LENGTH	TANGENT
L6	N45° 49' 26.60"E	-	63.798	-
L7	N45° 49' 26.32"E	-	82.602	-
L8	N30° 49' 54.89"E	-	146.102	-
L9	N7° 52' 02.16"W	-	379.382	-

CAUTION: EXISTING SEWER PER S-1510A TO REMAIN TEMPORARILY UNTIL SEWER IMPROVEMENTS PER THIS PLAN SET ARE COMPLETE, THEN REMOVE/ABANDON PER SOILS REPORT RECOMMENDATION & SSPWC GREENBOOK 2015 EDITION SECTION 306-3.3

CONSTRUCTION NOTES

- INSTALL 15" SDR-26 PVC, CASE II BEDDING PER CITY OF RIVERSIDE STD. DWG. 452
- INSTALL MANHOLE PER CITY OF RIVERSIDE STD. DWG. 500
- TIE INTO EXISTING SEWER
- INSTALL MINIMUM 5'-FT DIAMETER POUR-OVER MANHOLE PER CITY OF RIVERSIDE STD. DWG. 500. RECONTOUR MANHOLE BOTTOM TO DRAIN.
- EXISTING 15" VCP TO BE REMOVED
- EXISTING SEWER MANHOLE TO BE ABANDONED PER SSPWC "GREENBOOK" 2015 EDITION SECTION 306-3.3

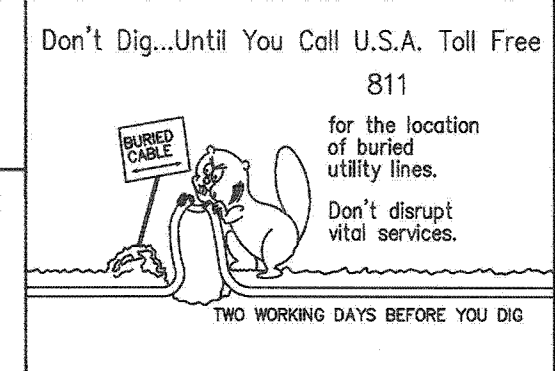


August 01, 2018 08:35:03am M:\2017\17-500 Lewis Meridian West\STV.DWG - City Sewer Plans\DWG - SWR - PLAN AND PROFILE.dwg
 Plotted By: Paul Peabody

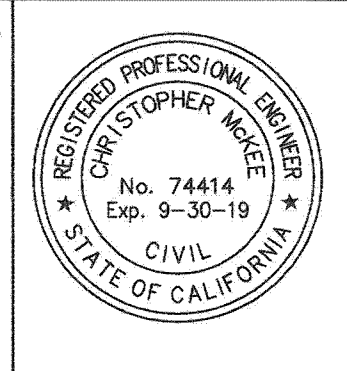
CITY OF RIVERSIDE BUSINESS LICENSE #0138100 EXP: 01-31-2019

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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RIVERSIDE COUNTY B.M. F8-G3
 EL. 1602.329'
 DESCRIPTION: PK NAIL AND CITY ENGINEER TAG IN THE SIDEWALK OVER THE WESTERLY WALL OF A CATCH BASIN, 1' NORTHERLY OF THE FACE OF CURB ALONG THE NORTHERLY CURB OF ALESSANDRO BLVD. EASTERLY OF MISSION GROVE PARKWAY.



PREPARED BY:
ORC Engineering, Inc.
 Civil Engineering/Land Surveying/Land Planning
 160 S. Old Springs Road
 Suite 210
 Anaheim Hills, CA 92808
 714-685-6860

CHRISTOPHER MCKEE R.C.E. 74414

MARK	REVISIONS	APPR. DATE
PP		

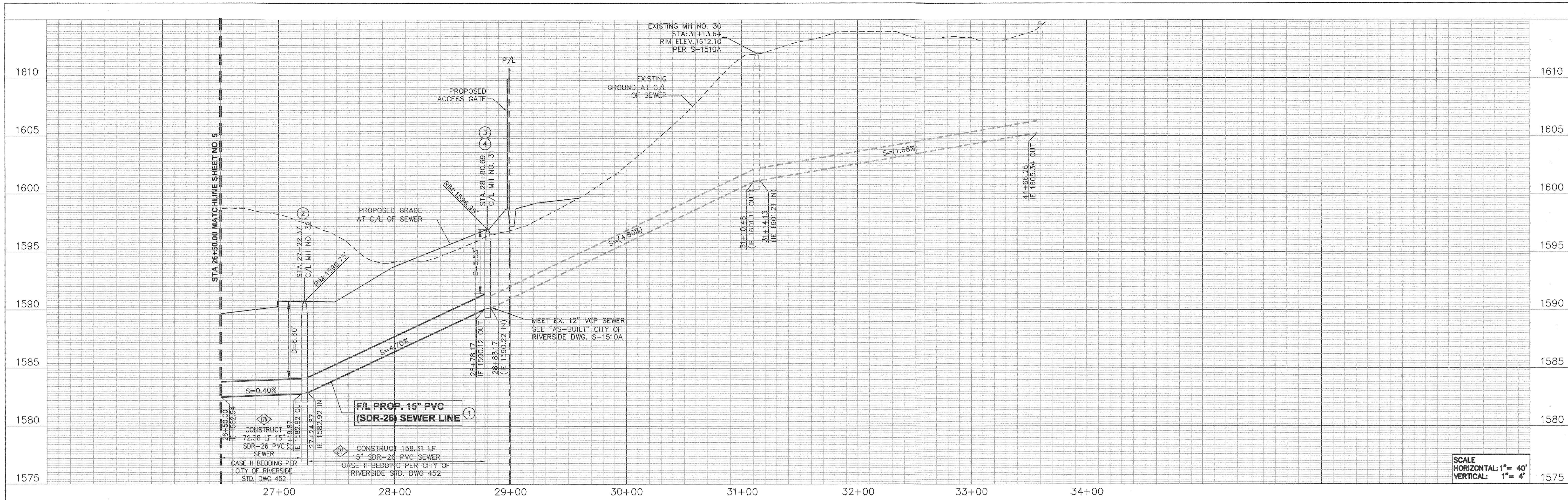
CITY OF RIVERSIDE, CALIFORNIA
 PUBLIC WORKS DEPARTMENT

APPROVED BY: [Signature]
 PRINCIPAL ENGINEER
 CONST. CONTRACT ADMIN.
 STREET SERVICES
 SURVEYOR
 TRAFFIC DIVISION
 PARKS DEPARTMENT

DATE 09-18-2019

MERIDIAN - WEST CAMPUS
 TRACT NO. 37107
 SEWER RELOCATION PLANS
 SEWER PLAN AND PROFILE 3
 (STA 16+50.00 TO STA 26+50.00)

PW 18-0055
S-2164
 5 OF 6 SHTS
 DWG. NO.:
 SCALE: HORIZ: 1"=40' VERT: 1"=4'



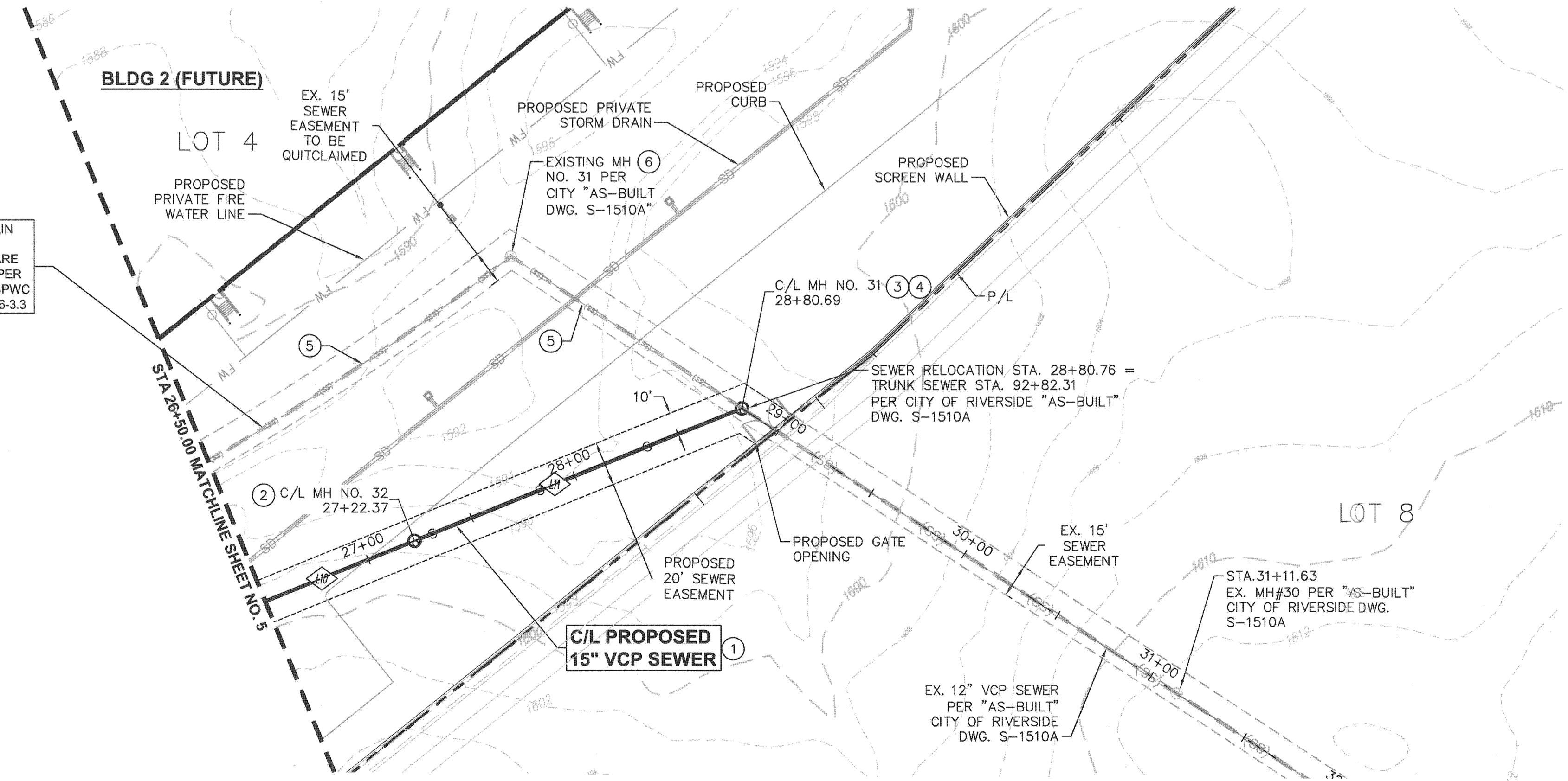
SCALE
HORIZONTAL: 1" = 40'
VERTICAL: 1" = 4'

CAUTION: LOCATION OF EXISTING UTILITIES ON THESE PLANS ARE BASED ON AVAILABLE INFORMATION & SHALL BE VERIFIED BY CONTRACTOR PRIOR TO CONSTRUCTION.

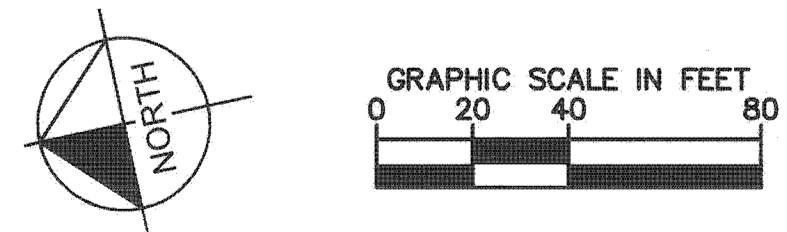
CAUTION: EXISTING SEWER TO REMAIN TEMPORARILY UNTIL SEWER IMPROVEMENTS PER THIS PLAN SET ARE COMPLETE, THEN REMOVE/ABANDON PER SOILS REPORT RECOMMENDATION & SSPWC GREENBOOK 2015 EDITION SECTION 306-3.3

CONSTRUCTION NOTES

- ① INSTALL 15" SDR-26 PVC, CASE II BEDDING PER CITY OF RIVERSIDE STD. DWG. 452
- ② INSTALL MANHOLE PER CITY OF RIVERSIDE STD. DWG. 500
- ③ TIE INTO EXISTING SEWER
- ④ INSTALL MINIMUM 5'-FT DIAMETER POUR-OVER MANHOLE PER CITY OF RIVERSIDE STD. DWG. 500. RECONTOUR MANHOLE BOTTOM TO DRAIN.
- ⑤ EXISTING 15" VCP TO BE REMOVED
- ⑥ EXISTING SEWER MANHOLE TO BE ABANDONED PER SSPWC "GREENBOOK" 2015 EDITION SECTION 306-3.3



SEWER DATA TABLE				
Δ	DELTA OR BRG	RADIUS	LENGTH	TANGENT
L10	N7° 52' 02.16"W	-	72.375	-
L11	N7° 52' 02.16"W	-	158.312	-



08/11/17 17:30 Lewis Meridian West\AST\ORC - City Sewer Plans\ORC - SWR - PLAN AND PROFILE.dwg
 08/31/2018 08:03:16am M:\2017\17-300 Lewis Meridian West\AST\ORC - City Sewer Plans\ORC - SWR - PLAN AND PROFILE.dwg

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RIVERSIDE COUNTY B.M. F8-63
E.L. 1602.329'
DESCRIPTION: PK NAIL AND CITY ENGINEER TAG IN THE SIDEWALK OVER THE WESTERLY WALL OF A CATCH BASIN, 1' NORTHERLY OF THE FACE OF CURB ALONG THE NORTHERLY CURB OF ALESSANDRO BLVD. EASTERLY OF MISSION GROVE PARKWAY.



PREPARED BY:
ORC Engineering, Inc.
Civil Engineering/Land Surveying/Land Planning
180 S. Old Springs Road
Suite 210
Anaheim Hills, CA 92808
714-685-6860
CHRISTOPHER MCKEE R.C.E. 74414 DATE 8/1/18

CITY OF RIVERSIDE BUSINESS LICENSE #0138100 EXP: 01-31-2019

MARK	REVISIONS	APPR.	DATE
PP		PP	CM

CITY OF RIVERSIDE, CALIFORNIA
PUBLIC WORKS DEPARTMENT
APPROVED BY: [Signature]
DATE: 08-10-2018

MERIDIAN - WEST CAMPUS
TRACT NO. 37107
SEWER RELOCATION PLANS
SANITARY SEWER PLAN AND PROFILE
(STA 26+50.00 TO STA 34+00.00)
SCALE: HORIZ: 1"=40' VERT: 1"=4'

PW 18-0055
S-2164
6 OF 6 SHTS
DWG. NO.: S2164-6