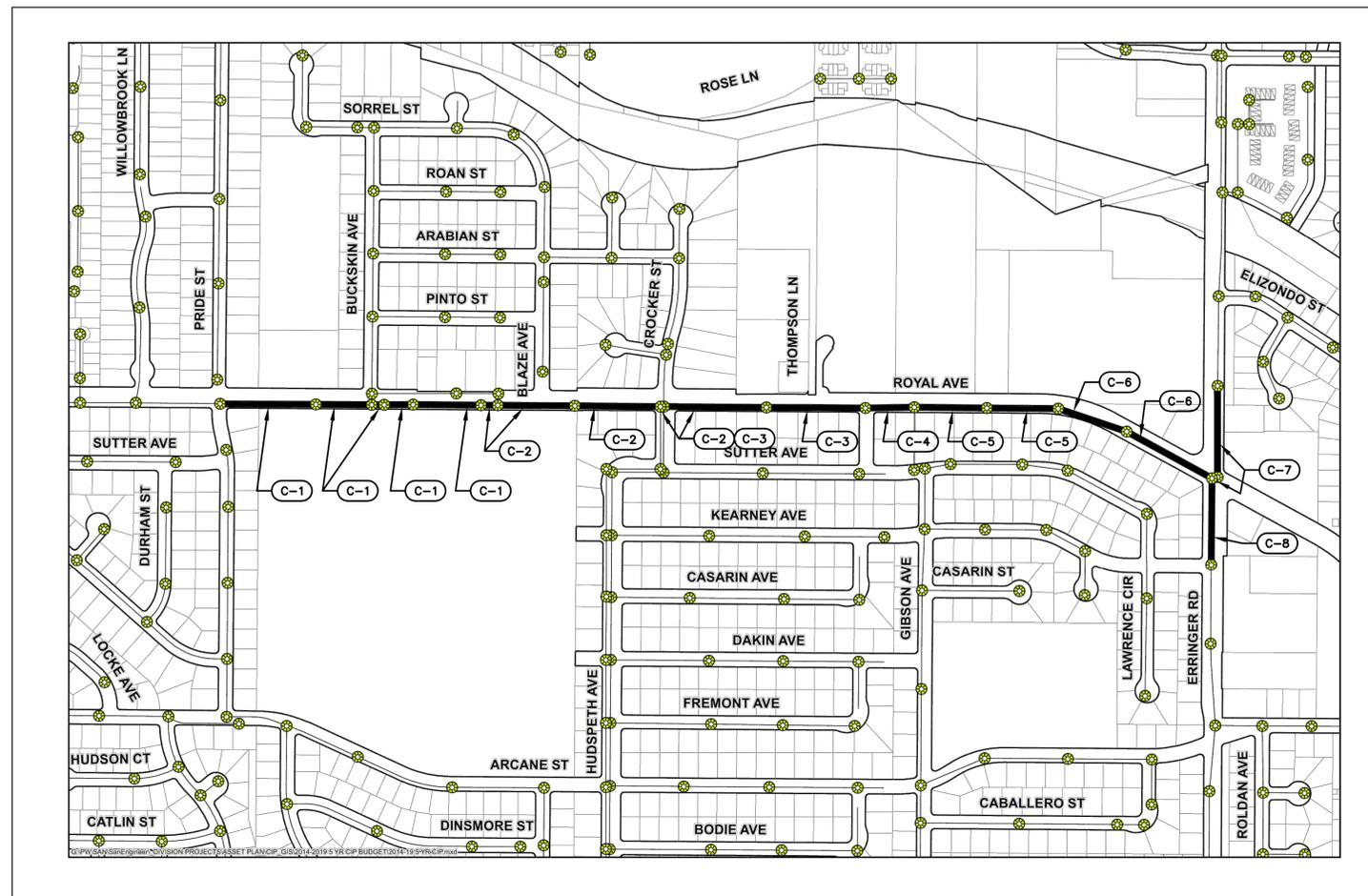
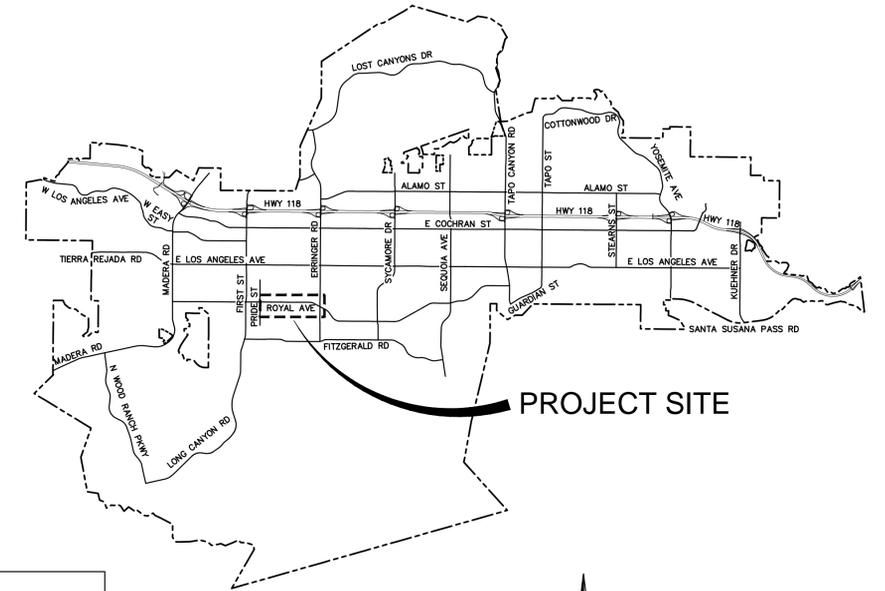
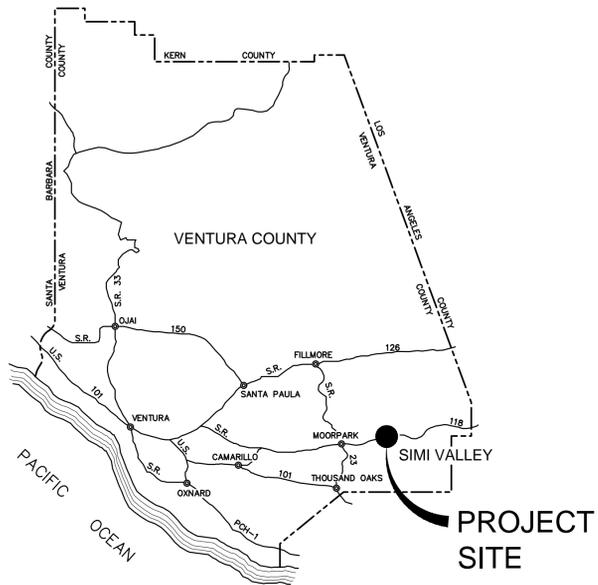


CITY OF SIMI VALLEY DEPARTMENT OF PUBLIC WORKS

ROYAL AVE (PRIDE TO ERRINGER) SEWER LINE REHABILITATION PROJECT SV 20-05



INDEX OF DRAWINGS		
SHEET NO.	DESCRIPTION	DRAWING NO.
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4	C-1 PLAN - STA 00+00 TO 10+90	2020-0004
5	C-2 PLAN - STA 10+90 TO 22+82	2020-0005
6	C-3 PLAN - STA 10+90 TO 22+82 CONTINUED	2020-0006
7	C-4 PLAN - STA 22+82 TO 35+04	2020-0007
8	C-5 PLAN - STA 22+82 TO 35+04 CONTINUED	2020-0008
9	C-6 PLAN - STA 35+04 TO 42+12	2020-0009
10	C-7 PLAN - STA 1000+00 TO 1003+82 TO 42+12	2020-0010
11	C-8 PLAN - STA 42+12 TO 45+71	2020-0011

ATTENTION:
THE LOCATIONS OF THE UTILITIES SHOWN ON THE PLANS ARE BASED ON AVAILABLE RECORDS AND ACTUAL LOCATIONS MAY VARY. IT SHALL BE THE CONTRACTOR'S SOLE RESPONSIBILITY TO DETERMINE THE LOCATION OF ALL EXISTING UTILITIES AND TO TAKE ALL NECESSARY PRECAUTIONS TO AVOID DAMAGE TO THESE UTILITIES. THE CONTRACTOR SHALL ASSUME SOLE RESPONSIBILITY FOR ANY DAMAGE DONE TO EXISTING UTILITIES DURING CONSTRUCTION.

UNDERGROUND SERVICE ALERT **IMPORTANT NOTICE**

CALL TOLL FREE **811**

Section 4216/4217 of the Government Code requires a DigAlert Identification Number be issued before a "Permit to Excavate" will be valid. For your DigAlert I.D. Number Call Underground Service Alert

TWO WORKING DAYS BEFORE YOU DIG

PROJECT LOCATION MAP
NOT TO SCALE

SV2005-RoyalPride.dwg PLOT DATE: Sep 21, 2020, 8:45am

CITY OF SIMI VALLEY - SANITATION DIVISION				CITY OF SIMI VALLEY DEPARTMENT OF PUBLIC WORKS		TITLE SV 20-05 ROYAL AVE (PRIDE TO ERRINGER) SEWER LINE REHABILITATION PROJECT		SHEET NO. G-1	DRAWING NO. 2020-0001
NO.	REVISION	PREP.	APPVD.	DATE	ACCEPTED: 9/18/20 ASSIST. DIRECTOR OF PUBLIC WORKS/UTILITIES	REVIEWED BY: SENIOR ENGINEER 9/18/20 DATE	RECOMMENDED: PRINCIPAL ENGINEER 9/18/20 DATE	1 OF 11	

GENERAL CONSTRUCTION NOTES

- EMERGENCIES: CONTRACTOR SHALL IMMEDIATELY CALL THE SEWER LINE MAINTENANCE SECTION AT (805) 583-6455 TO RESPOND TO EMERGENCIES.
- A PRE-CONSTRUCTION MEETING WITH ALL PARTIES; CONTRACTOR (FOREMAN AND SITE SUPERINTENDENT), COLLECTION SYSTEM SUPERVISOR, SUPPORT SYSTEM MANAGER, PUBLIC WORKS INSPECTOR, AND ENGINEER, IS REQUIRED PRIOR TO THE START OF WORK. CONTRACTOR SHALL ATTEND AND PARTICIPATE IN WEEKLY PROGRESS MEETINGS AS REQUIRED BY THE ENGINEER.
- CONTRACTOR SHALL POST "NO PARKING" SIGNS ON 12" BY 18" BOARD AT 50-FEET SPACING 48 HOURS PRIOR TO THE START OF WORK BUT NOT MORE THAN 5 WORKING DAYS PRIOR TO THE START OF WORK. CHANGES TO THE "NO PARKING" SIGNS SHALL BE POSTED ON NEW SIGNS. THE SIGNS SHALL BE PLACED ON LATH ONLY. THE CONTRACTOR SHALL REMOVE SIGNS IMMEDIATELY WHEN THEY ARE NO LONGER NEEDED AS DIRECTED BY THE CITY.
- CONTRACTOR MUST APPLY FOR A NO-FEE ENCROACHMENT PERMIT FROM THE CITY OF SIMI VALLEY.
- CONTRACTOR IS REQUIRED TO SUBMIT THE FOLLOWING PRIOR TO STARTING WORK AND AS SPECIFIED IN THE PROJECT'S SPECIFICATIONS:
 - WORK SCHEDULE, UPDATED AS REQUESTED.
 - SWPPP, BMP'S NEED TO BE INSTALLED PRIOR TO START OF WORK.
 - STORAGE YARD LOCATION MAP NEEDED FOR EQUIPMENT AND MATERIALS.
 - TRAFFIC CONTROL PLAN
 - FLOW BYPASS PLAN
 - CONSTRUCTION DRAWINGS PRIOR TO ISSUANCE OF THE PERMIT
 - SITE SPECIFIC SAFETY PLAN
- CONTRACTOR MUST COMPLETE EACH PROJECT PHASE PRIOR TO STARTING THE NEXT PHASE TO MINIMIZE IMPACT ON THE COMMUNITY. CONSTRUCTION OPERATIONS SHALL BE CONDUCTED IN SUCH A MANNER AS TO CAUSE AS LITTLE INCONVENIENCE AS POSSIBLE TO THE USE OF ADJUTING PROPERTIES.
- CONTRACTOR SHALL NOTIFY ALL OCCUPANTS IN THE IMMEDIATE AREA DIRECTLY AFFECTED BY THE WORK (4) FOUR DAYS BEFORE COMMENCING THE WORK.
- ANY ACCESS TO PRIVATE PROPERTY MUST BE COORDINATED AND APPROVED BY THE PROPERTY OWNER'S REPRESENTATIVE. CONTACT INFORMATION WILL BE PROVIDED BY THE CITY.
- CONTRACTOR SHALL NOTIFY PROPERTY OWNERS (AND/OR EASEMENT HOLDERS) A MINIMUM OF (14) FOURTEEN DAYS IN ADVANCE OF THE START OF CONSTRUCTION, FOR ALL WORK LOCATED WITHIN EASEMENTS.
- ANY CHANGE TO THE SITE ACCESS PLAN MUST BE APPROVED BY THE PROJECT ENGINEER OR PUBLIC WORKS INSPECTOR.
- ANY ACCESS TO PRIVATE PROPERTY MUST BE COORDINATED AND APPROVED BY THE PROPERTY OWNER'S REPRESENTATIVE.
- ALL DRIVABLE SURFACES AT THE END OF A DAYS WORK WILL BE COVERED USING STEEL PLATES, HOT MIX A.C. OR COLD MIX. ALL TRAFFIC PLATES ARE TO BE RECESSED FLUSH WITH EXISTING SURFACE AND SECURED TO REDUCE NOISE AND MOVEMENT.
- STORAGE OF MATERIALS OR EQUIPMENT WITHIN THE CITY RIGHT-OF-WAY IS NOT PERMITTED.
- AGGREGATE BASE FOR A.C. WORK SHALL CONFORM TO SSPWC SEC. 200-1 (AGGREGATE BASE), AND 203-6 (ASPHALT CONCRETE).
- A.C. BASE COURSE SHALL BE TYPE B, PG 70-10. A.C. CAP COURSE SHALL BE TYPE C2, PG 70-10., OR AS SPECIFIED IN THE PROJECT SPECIFICATIONS.
- TACK COAT FOR A.C. WORK SHALL BE APPLIED AT A RATE CONSISTENT WITH SSPWC SEC. 302-5.4 AND 302-7.2.2.
- PROTECTION OF UTILITIES, UTILITY STRUCTURES, CONDUITS, PIPES, CABLES UNDER OR ABOVE GROUND, SEWER LINES AND ANY OTHER FACILITIES OR OTHER IMPROVEMENTS WITHIN THE PUBLIC RIGHT OF WAY SHALL BE PROTECTED FROM INJURY OR DAMAGE. IF SUCH OBJECTS ARE DAMAGED BY REASON OF THE CONTRACTOR'S OPERATION, THEY SHALL BE REPLACED OR RESTORED AT THE CONTRACTOR'S SOLE EXPENSE TO A CONDITION AS GOOD AS WHEN THE CONTRACTOR ENTERED UPON THE WORK. PERMITTEE SHALL NOTIFY UNDERGROUND SERVICE ALERT 48-HOURS PRIOR TO START OF EXCAVATION (JUST DIAL 811).
- CONTRACTOR SHALL REMOVE UNDERGROUND DIG ALERT MARKINGS AT THE END OF THE JOB.
- TEMPORARY ROAD CONSTRUCTION SIGNS SHALL BE POSTED TWO (2) WEEKS PRIOR TO THE START OF CONSTRUCTION. THE SIGNS SHALL MEET THE REQUIREMENTS OF THE CITY OF SIMI VALLEY TRAFFIC ENGINEERING "TEMPORARY ROAD CONSTRUCTION SIGN" PLATE, HEREON.

SEWER BYPASS & REHABILITATION NOTES

- CONTRACTOR SHALL SUBMIT TO THE CITY OF SIMI VALLEY A TRAFFIC CONTROL PLAN (TCP) AS WELL AS A SAFETY PLAN TO PROTECT EQUIPMENT, PIPING AND THE PUBLIC FOR THE PIPE REHABILITATION AND BYPASS OPERATION. PLANS MUST BE APPROVED BY THE CITY A MINIMUM OF 20 DAYS PRIOR TO ANY CONSTRUCTION.
- A SPILL PREVENTION AND EMERGENCY RESPONSE PLAN SHALL BE SUBMITTED AND APPROVED BY THE CITY'S COLLECTION SYSTEM SUPERVISOR AND ENGINEER PRIOR TO THE COMMENCEMENT OF WORK. THE PLAN SHALL DEFINE PROCEDURES TO BE TAKEN BY THE CONTRACTOR IN THE EVENT OF A SPILL.
- WORKING HOURS SHALL EITHER BE BETWEEN 7:00 AM TO 4:30 PM OR 8:30 PM TO 6:00 AM.
- CONTRACTOR SHALL PREPARE AND SUBMIT A FLOW BYPASS PLAN/PROCEDURE FOR EACH SEWER BYPASS SYSTEM. AN APPROVED BYPASS PLAN WILL BE REQUIRED A MINIMUM OF 30 DAYS PRIOR TO THE START OF THE BYPASS OPERATION. THE CONTRACTOR'S BYPASS PLAN SHALL HAVE WRITTEN STEP BY STEP PROCEDURE EXPLAINING IN DETAIL THE EQUIPMENT, STARTUP AND SHUTDOWN PROCEDURES FOR THE BYPASS OPERATION. THE PLAN MUST BE APPROVED BY THE COLLECTION SYSTEM SUPERVISOR AND ENGINEER PRIOR TO THE COMMENCEMENT OF WORK.
- CONTRACTOR MAY SUBMIT A TEMPORARY SANITATION FACILITIES (PORTABLE TOILETS) PLAN FOR ENGINEER APPROVAL, IN LIEU OF MAINTAINING SEWER SERVICE FOR ALL LATERALS AFFECTED BY THE SEWER LINE REHABILITATION. THE CITY WILL NOT SHUT OFF WATER SERVICE TO CUSTOMERS AFFECTED BY THE WORK AND IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROTECT THE LINER DURING INSTALLATION.
- CONTRACTOR MUST PROVIDE TRAINING FOR THE COLLECTION SYSTEM MAINTENANCE CREW ON HOW TO OPERATE THE BYPASS EQUIPMENT.
- BYPASS SYSTEM SHALL BE TESTED A MINIMUM OF 1 HOUR PRIOR TO START OF LINING AND MAY BE PERFORMED IN CONJUNCTION WITH CLEANING AND INSPECTING.
- A BACKUP (STANDBY) BYPASS PUMP SHALL BE ONSITE DURING ANY BYPASS OPERATION.
- BYPASS SUCTION PIPES SHALL BE EXTENDED TO THE BOTTOM OF MANHOLES.
- ALL BYPASS OPERATIONS ARE TO OCCUR WITHIN THE RIGHT-OF-WAY OR CITY EASEMENT. OPERATIONS LOCATED ON PRIVATE PROPERTY REQUIRE PERMISSION FROM PROPERTY OWNER. CONTRACTOR MUST OBTAIN AN ENCROACHMENT PERMIT FROM THE APPLICABLE AGENCY(IES) FOR OPERATIONS LOCATED IN EASEMENTS OR RIGHT-OF-WAY AREAS.
- CONTRACTOR SHALL INSTALL TEMPORARY BYPASS PUMPS (PRIMARY AND STANDBY) AND PIPING IN A MANNER TO MINIMALLY IMPACT RESIDENTS/OCCUPANTS AND TRAFFIC.
- CONTRACTOR SHALL INSTALL A TEMPORARY FLOW-THROUGH PLUG(S) ON DOWNSTREAM INSTALLATIONS WHEN NECESSARY TO DIVERT FLOW AWAY FROM CIPP LINER.
- BYPASS DISCHARGE HOSES LOCATED NEAR CIPP LINING SHALL BE HEAT RESISTANT AND SHALL EXTEND A MINIMUM OF 10 FEET INTO DOWNSTREAM SEWER TO PREVENT RETURN FLOW.
- CONTRACTOR SHALL PROVIDE ODOR CONTROL MEASURES, MONITOR AIR QUALITY AND COMPLY WITH AIR QUALITY REGULATIONS. WHEN CURING LINER, ALWAYS DISCHARGE STEAM AWAY FROM BUILDINGS.
- CONTRACTOR SHALL PROVIDE AND ENSURE VEHICULAR ACCESS AT ALL TIMES TO ALL RESIDENTIAL/COMMERCIAL DRIVEWAYS, ADJOINING PROPERTIES, AND ADJACENT WORK AREA.
- CONTRACTOR SHALL BE RESPONSIBLE TO VERIFY AND CONFIRM STATIONING, ELEVATIONS, AND INVERTS SHOWN ON THE PLANS AND NOTIFY THE ENGINEER FOR DISCREPANCIES PRIOR TO START OF WORK.
- CONTRACTOR SHALL MATCH ALL EXISTING INVERTS AT ALL PIPE JOINTS.
- CONTRACTOR SHALL MARK AND RE-ESTABLISH ALL SEWER LATERALS SHOWN ON THE PLANS AND FOUND DURING THE PRE-INSTALLATION VIDEO INSPECTION.
- CONTRACTOR SHALL NOTIFY THE CITY'S PLANT SUPPORT SYSTEMS MANAGER AT (805) 583-6455, 72 HOURS IN ADVANCE OF ANY SEWER LINING SEGMENT.
- CONTRACTOR SHALL RESTORE ALL DAMAGED ROAD STRIPING, IN KIND.
- CONTRACTOR SHALL CONTINUOUSLY MONITOR FLOWS DURING BYPASS OPERATION TO PREVENT OVERFLOW. CONTRACTOR SHALL IDENTIFY THE "LOW" MANHOLE IN THE BYPASS AREA AND CONTINUOUSLY MONITOR WATER LEVELS.
- CONTRACTOR SHALL RESTORE EXISTING IMPROVEMENTS; CONCRETE, DRIVEWAYS, CURBS, GUTTERS, PAVEMENT, LANDSCAPE, AND OTHER ITEMS, IF DAMAGED DURING CONSTRUCTION.
- SEWER LATERAL CHIMNEY (SLC) CONNECTS TO THE SEWER MAIN LINE AT THE CROWN. HORIZONTAL ALIGNMENT OF LATERAL UNKNOWN.

PUBLIC UTILITIES / SERVICES

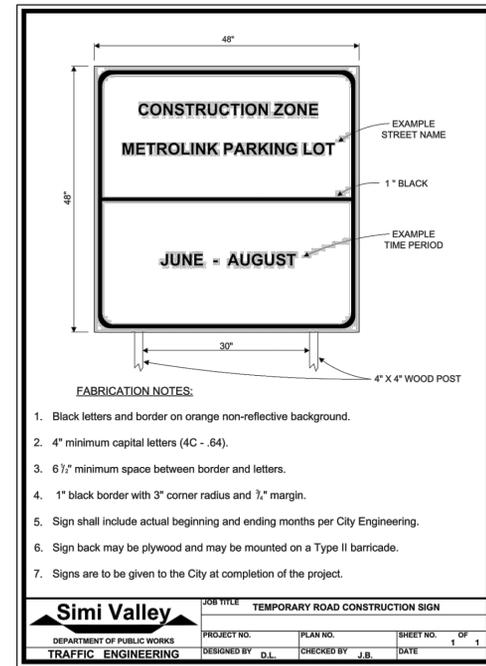
- CABLE TV:** CHARTER COMMUNICATIONS/SPECTRUM TRANSIT: CITY OF SIMI VALLEY
2525 KNOLL DR. TRANSIT DIVISION
VENTURA, CA 93003 2929 TAPO CANYON RD.
(805) 477-4439 SIMI VALLEY, CA 93063
(805) 583-6456
- ELECTRIC:** EDISON INTERNATIONAL CO. WATER: CALLEGUAS MUNICIPAL WATER DISTRICT
3589 FOOTHILL DR. THOUSAND OAKS, CA 91361 2100 OLSEN DR.
(805) 494-7030 (805) 433-5464 THOUSAND OAKS, CA 91362
(805) 526-9323
- FIRE:** VENTURA CO. FIRE DEPARTMENT VC WATERWORKS DISTRICT NO. 8
165 DURLEY AVE. 600 W. LOS ANGELES AVE.
CAMARILLO, CA 93010 SIMI VALLEY, CA 93065
(805) 389-9738 x1 (805) 583-6469
- GAS:** SO. CALIFORNIA GAS CO. GOLDEN STATE WATER CO.
977 CHAMBERS LANE 4680 E. LOS ANGELES AVE, UNIT H
SIMI VALLEY, CA 93065 EMERGENCY: (800) 427-2200 x1 SIMI VALLEY, CA 93063
(805) 527-9393
- OIL:** EQUILON PIPELINE COMPANY (FORMERLY SHELL OIL COMPANY)
P.O. BOX 6249 CARSON, CA 90749-6249
(310) 816-2063 EMERGENCY: (800) 922-3459
- CONOCOPHILLIPS (FORMERLY TOSCO OR UNOCAL)
P.O. BOX 350 SANTA PAULA, CA 93061
(805) 525-6312
- PARKS & RECREATION:** RANCHO SIMI RECREATION PARK DISTRICT
4201 GUARDIAN ST. SIMI VALLEY, CA 93063
(805) 584-4400
- POSTAL SERVICE:** USPS MAIN POST OFFICE
2551 GALENA AVE. SIMI VALLEY, CA 93065
(805) 526-9819 (800) 275-8777
- SCHOOL DISTRICT:** SIMI VALLEY UNIFIED SCHOOL DISTRICT
101 W COCHRAN ST. SIMI VALLEY, CA 93065
(805) 306-4500
- SEWER:** CITY OF SIMI VALLEY SANITATION DIVISION
500 W. LOS ANGELES AVE. SIMI VALLEY, CA 93065
(805) 583-6455
- STORM:** VENTURA COUNTY WATERSHED PROTECTION DISTRICT
800 S. VICTORIA AVE. VENTURA, CA 93009
(805) 654-2007 (805) 654-2001
- TELEPHONE AND FIBER OPTICS:** A.T.T. CONSTRUCTION & ENGINEERING
600 E. GREEN ST., 3rd FLOOR PASADENA, CA 91101-2020
(626) 817-4263
- A.T.T. INQUIRIES (long distance fiber optic)
22311 BROOKHURST STREET, SUITE 203 HUNTINGTON BEACH, CA 92646
(714) 963-7964
- VERIZON/MCI L.A. NORTH FIELD SERVICES
157 So. LILAC AVENUE RIALTO, CA. 92376-6322
(626) 421-3316 OR (941) 993-9018
- SPRINT NEXTEL TRANSMISSION OPERATIONS
ATTN: TIBOR LAKY 2592 DUPONT DRIVE IRVINE, CA 92612
(929) 842-9870
- LEVEL 3 COMMUNICATIONS
100 S. CINCINNATI AVE. TULSA, OK 74103
(918) 547-0007
- TRAFFIC:** CITY TRAFFIC ENGINEERING DEPARTMENT OF PUBLIC WORKS
2929 TAPO CANYON RD. SIMI VALLEY, CA 93063
(805) 583-6786

ABBREVIATIONS

ABAN	ABANDONED
ACP	ASBESTOS CEMENT PIPE
CB	CATCH BASIN
CIPP	CURE-IN-PLACE PIPE
C.O.	CLEAN OUT (SEWER)
CONC.	CONCRETE
DI	DUCTILE IRON
DIP	DUCTILE IRON PIPE
(E)	EXISTING
E	ELECTRICAL
EL	ELEVATION
FSBP	FLOW-THROUGH SEWER BYPASS PLUG
G	GAS
INV	INVERT
LAT	LATERAL
LF	LINEAR FOOT (OR FEET)
MGD	MILLION GALLONS PER DAY
MH	SEWER MANHOLE
PDWF	PEAK DRY WEATHER FLOW
PVC	POLYVINYL CHLORIDE
RCP	REINFORCED CONCRETE PIPE
RCB	REINFORCED CONCRETE BOX
R/W	RIGHT OF WAY
REHAB	REHABILITATE/REHABILITATION
S	SEWER
S	SLOPE
SCRRA	SOUTHERN CALIFORNIA REGIONAL RAIL AUTHORITY
SBP	SEWER BYPASS PLUG
SD	STORM DRAIN
SL	SEWER LATERAL
SLC	SEWER LATERAL - CHIMNEY
STA	STATION
TI	TELECOMMUNICATIONS INFRASTRUCTURE: (TELEPHONE, CABLE, FIBER OPTIC)
	TYPICAL
UPRR	UNION PACIFIC RAILROAD
W	WATER
VCP	VENTRIFIED CLAY PIPE
VCPWD	VENTURA COUNTY WATERSHED PROTECTION DISTRICT
V.I.F.	VERIFY IN FIELD

LEGEND

	BYPASS PIPING
	BUILDING STRUCTURE
	CURB
	DRIVEWAY
	ELECTRICAL POWER POLE
	FIRE HYDRANT
	SEWER CLEANOUT
	SEWER MANHOLE
	SEWER BYPASS PLUG - SBP
	SEWER BYPASS PLUG (FLOW-THROUGH)
	TRAFFIC SIGNAL POLE
	TRAFFIC SIGNAL LOOPS
	FENCE-CHAINLINK
	PROPERTY LINE
	SEWER BYPASS TRENCH & PLATES
	SEWER EASEMENT
	STORM DRAIN PIPE OR CULVERT - EXISTING
	TELECOMMUNICATIONS INFRASTRUCTURE: TEL., CABLE, OR FIBER OPTIC
	GAS LINE - EXISTING
	OIL LINE - EXISTING
	SEWER LINE - TO BE REHABILITATED
	SEWER LINE - TO BE REHABILITATED SHOWN IN OTHER SHEET
	SEWER LINE - EXISTING
	WATER LINE - EXISTING
	RAILROAD TRACK
	WORK AREA



SV2005 - RoyalAve.dwg PLOT DATE: Sep. 21, 2020, 8:45am

NO.	REVISION	PREP.	APPVD.	DATE

CITY OF SIMI VALLEY - SANITATION DIVISION	
	9/18/20 DATE
REVIEWED BY: SENIOR ENGINEER	
	9/18/20 DATE
RECOMMENDED: PRINCIPAL ENGINEER	

CITY OF SIMI VALLEY
DEPARTMENT OF PUBLIC WORKS

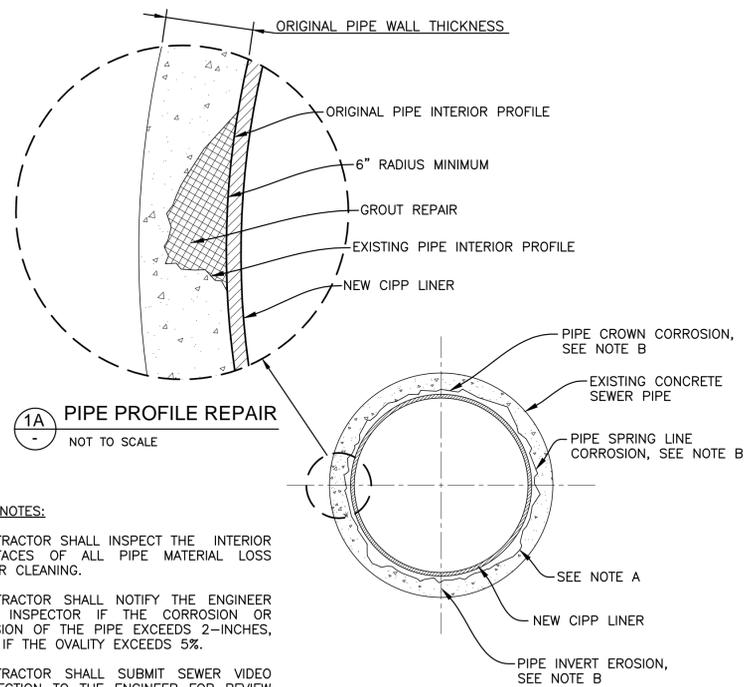
NOTES, ABBREVIATIONS, & LEGEND

SV 20-05
ROYAL AVE (PRIDE TO ERRINGER)
SEWER LINE REHABILITATION PROJECT

SHEET NO.	DRAWING NO.
G-2	2020-0002
2 OF 11	

CONSTRUCTION NOTES:

- 1 IF MANHOLE CONE (OR REDUCING SLAB) IS REMOVED, CONTRACTOR SHALL INSTALL NEW MANHOLE CONE (OR REDUCING SLAB) AND GRADE RINGS, PER SV 40-100.
- 2 AFTER INSTALLING CIPP LINER IN THE SEWER, THE CONTRACTOR SHALL INSTALL A COATING SYSTEM AS SPECIFIED IN GREENBOOK SECTION 500-6 END SEALS, AND TO THE LIMITS AS SHOWN. THE COATING SHALL BE 1/4" (250 MILS) THICK.
- 3 WHERE REQUIRED PER PLAN, REMOVE AND PROPERLY DISPOSE EXISTING MANHOLE FRAME & COVER. PROVIDE NEW STANDARD MANHOLE FRAME & COVER PER SV 40-130 AND INSTALL PER SV 40-115.
- 4 CUT AND REMOVE EXISTING MANHOLE STEPS FLUSH WITH MANHOLE WALL.
- 5 WORK WITHIN MANHOLE DURING FLOW REQUIRES A FALSE BOTTOM PER SV 40-115.

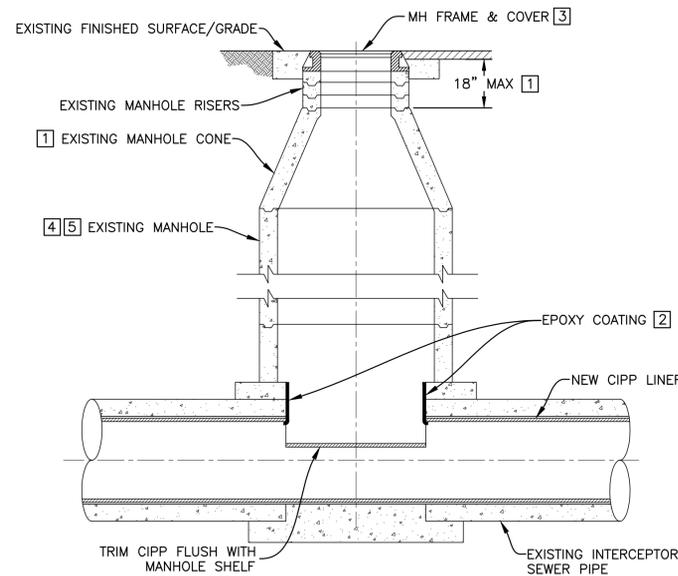


1A PIPE PROFILE REPAIR
NOT TO SCALE

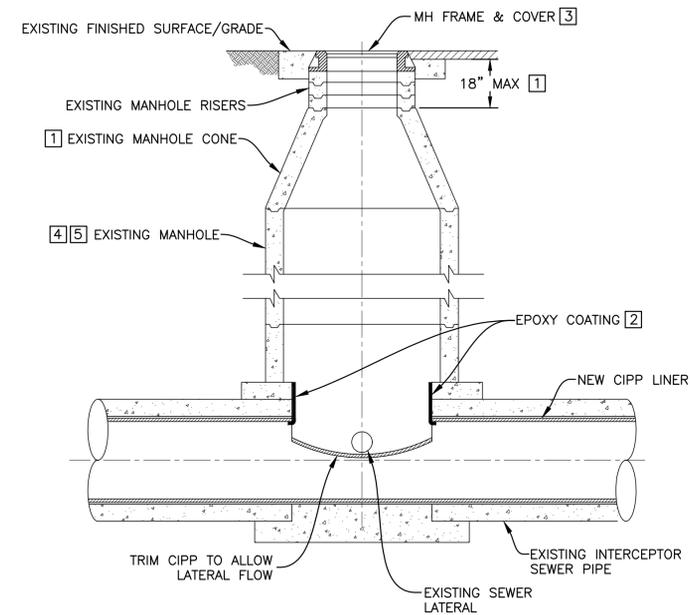
DETAIL 1 NOTES:

- A. CONTRACTOR SHALL INSPECT THE INTERIOR SURFACES OF ALL PIPE MATERIAL LOSS AFTER CLEANING.
- B. CONTRACTOR SHALL NOTIFY THE ENGINEER AND INSPECTOR IF THE CORROSION OR EROSION OF THE PIPE EXCEEDS 2-INCHES, AND IF THE OVALITY EXCEEDS 5%.
- C. CONTRACTOR SHALL SUBMIT SEWER VIDEO INSPECTION TO THE ENGINEER FOR REVIEW PRIOR TO APPROVAL FOR CIPP LINING.

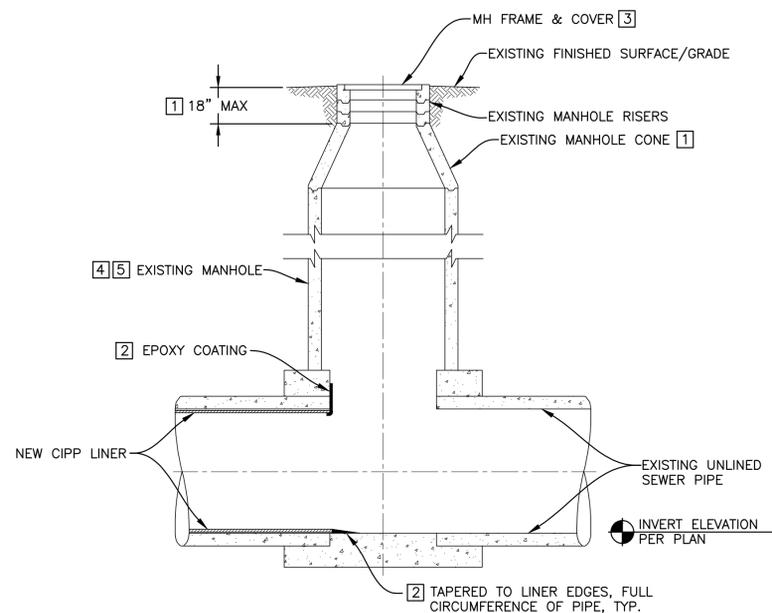
1 TYPICAL CIPP LINER DETAIL
NOT TO SCALE



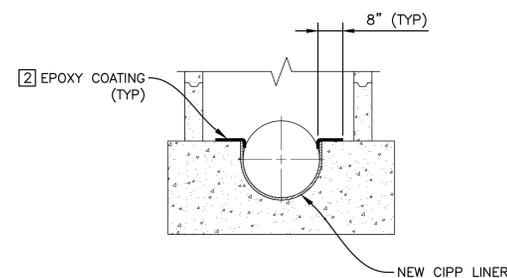
2 CIPP LINER THROUGH MANHOLE WITHOUT LATERAL OR SIDE LINE DETAIL
NOT TO SCALE



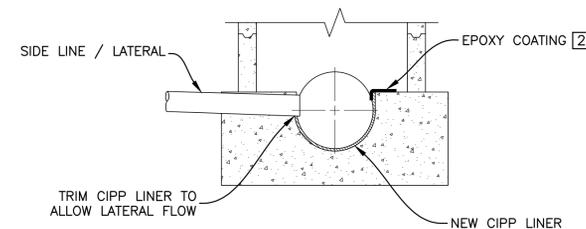
3 CIPP LINER THROUGH MANHOLE WITH LATERAL OR SIDE LINE DETAIL
NOT TO SCALE



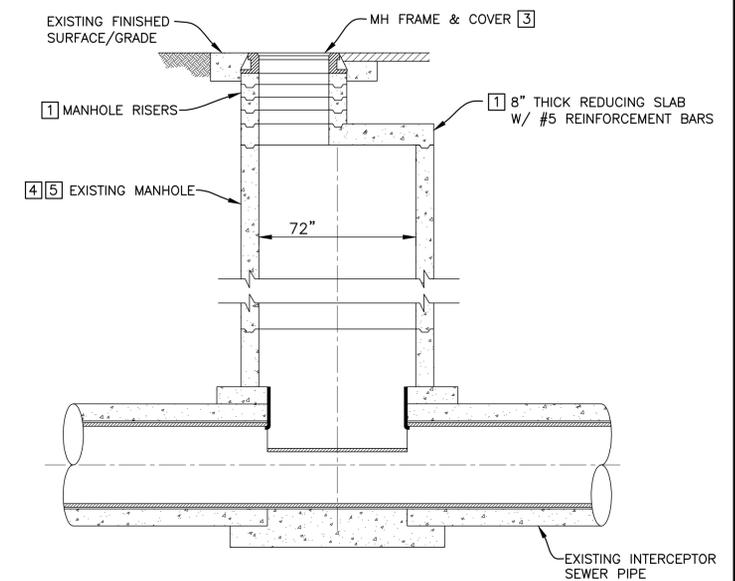
4 CIPP LINER TERMINATION AT MANHOLE DETAIL
NOT TO SCALE



5 FOR CIPP LINER THROUGH MANHOLE WITHOUT LATERAL OR SIDE LINE DETAIL
NOT TO SCALE



6 FOR CIPP LINER THROUGH MANHOLE WITH LATERAL OR SIDE LINE DETAIL
NOT TO SCALE



7 MANHOLE WITH REDUCING SLAB (FLAT TOP) DETAIL
NOT TO SCALE - LOCATIONS PER PLAN

SV2005_RoyalPride.dwg PLOT DATE: Sep 21, 2020, 8:45am

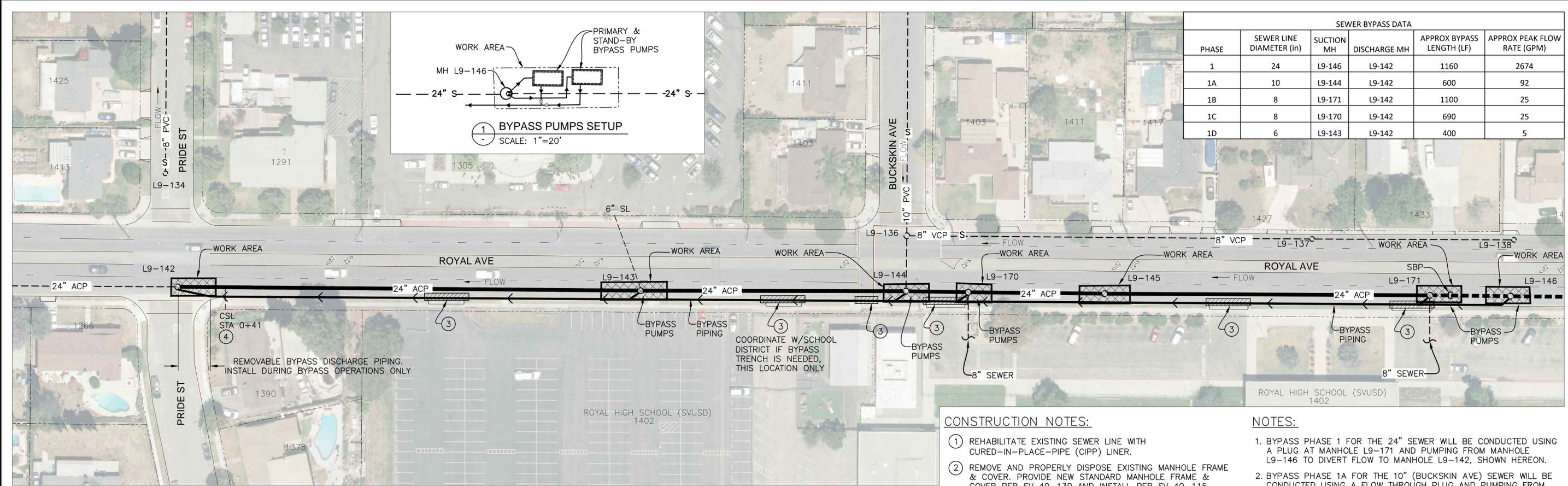
CITY OF SIMI VALLEY - SANITATION DIVISION

REVIEWED BY: SENIOR ENGINEER *[Signature]* 9/18/20 DATE
 RECOMMENDED: PRINCIPAL ENGINEER *[Signature]* 9/18/20 DATE



CIPP DETAILS
SV 20-05
ROYAL AVE (PRIDE TO ERRINGER)
SEWER LINE REHABILITATION PROJECT

SHEET NO. G-3 DRAWING NO. 2020-0003
 3 OF 11



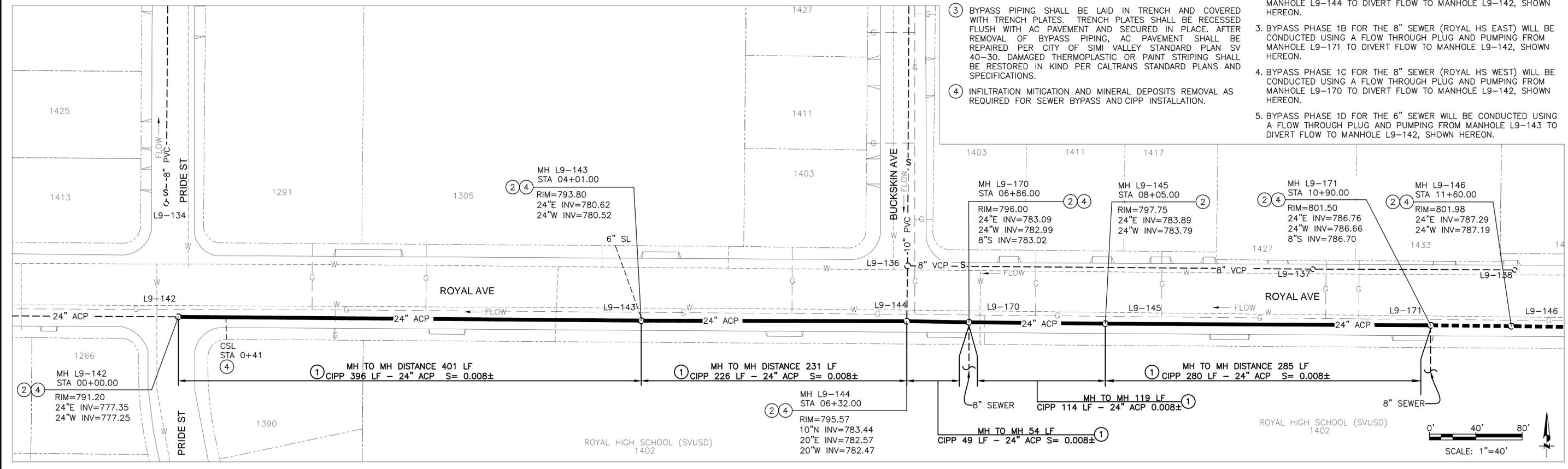
SEWER BYPASS DATA					
PHASE	SEWER LINE DIAMETER (in)	SUCTION MH	DISCHARGE MH	APPROX BYPASS LENGTH (LF)	APPROX PEAK FLOW RATE (GPM)
1	24	L9-146	L9-142	1160	2674
1A	10	L9-144	L9-142	600	92
1B	8	L9-171	L9-142	1100	25
1C	8	L9-170	L9-142	690	25
1D	6	L9-143	L9-142	400	5

CONSTRUCTION NOTES:

- REHABILITATE EXISTING SEWER LINE WITH CURED-IN-PLACE-PIPE (CIPP) LINER.
- REMOVE AND PROPERLY DISPOSE EXISTING MANHOLE FRAME & COVER. PROVIDE NEW STANDARD MANHOLE FRAME & COVER PER SV 40-130 AND INSTALL PER SV 40-115.
- BYPASS PIPING SHALL BE LAID IN TRENCH AND COVERED WITH TRENCH PLATES. TRENCH PLATES SHALL BE RECESSED FLUSH WITH AC PAVEMENT AND SECURED IN PLACE. AFTER REMOVAL OF BYPASS PIPING, AC PAVEMENT SHALL BE REPAIRED PER CITY OF SIMI VALLEY STANDARD PLAN SV 40-30. DAMAGED THERMOPLASTIC OR PAINT STRIPING SHALL BE RESTORED IN KIND PER CALTRANS STANDARD PLANS AND SPECIFICATIONS.
- INFILTRATION MITIGATION AND MINERAL DEPOSITS REMOVAL AS REQUIRED FOR SEWER BYPASS AND CIPP INSTALLATION.

NOTES:

- BYPASS PHASE 1 FOR THE 24" SEWER WILL BE CONDUCTED USING A PLUG AT MANHOLE L9-171 AND PUMPING FROM MANHOLE L9-146 TO DIVERT FLOW TO MANHOLE L9-142, SHOWN HEREON.
- BYPASS PHASE 1A FOR THE 10" (BUCKSKIN AVE) SEWER WILL BE CONDUCTED USING A FLOW THROUGH PLUG AND PUMPING FROM MANHOLE L9-144 TO DIVERT FLOW TO MANHOLE L9-142, SHOWN HEREON.
- BYPASS PHASE 1B FOR THE 8" SEWER (ROYAL HS EAST) WILL BE CONDUCTED USING A FLOW THROUGH PLUG AND PUMPING FROM MANHOLE L9-171 TO DIVERT FLOW TO MANHOLE L9-142, SHOWN HEREON.
- BYPASS PHASE 1C FOR THE 8" SEWER (ROYAL HS WEST) WILL BE CONDUCTED USING A FLOW THROUGH PLUG AND PUMPING FROM MANHOLE L9-170 TO DIVERT FLOW TO MANHOLE L9-142, SHOWN HEREON.
- BYPASS PHASE 1D FOR THE 6" SEWER WILL BE CONDUCTED USING A FLOW THROUGH PLUG AND PUMPING FROM MANHOLE L9-143 TO DIVERT FLOW TO MANHOLE L9-142, SHOWN HEREON.

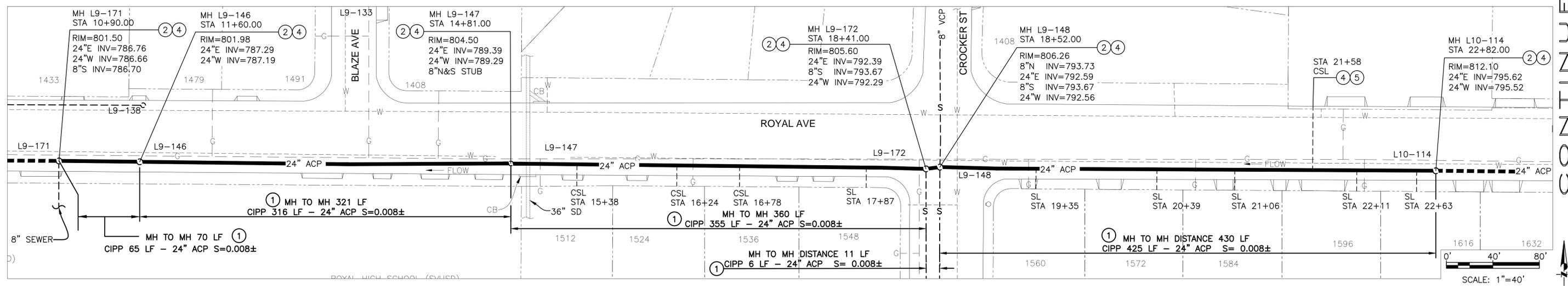
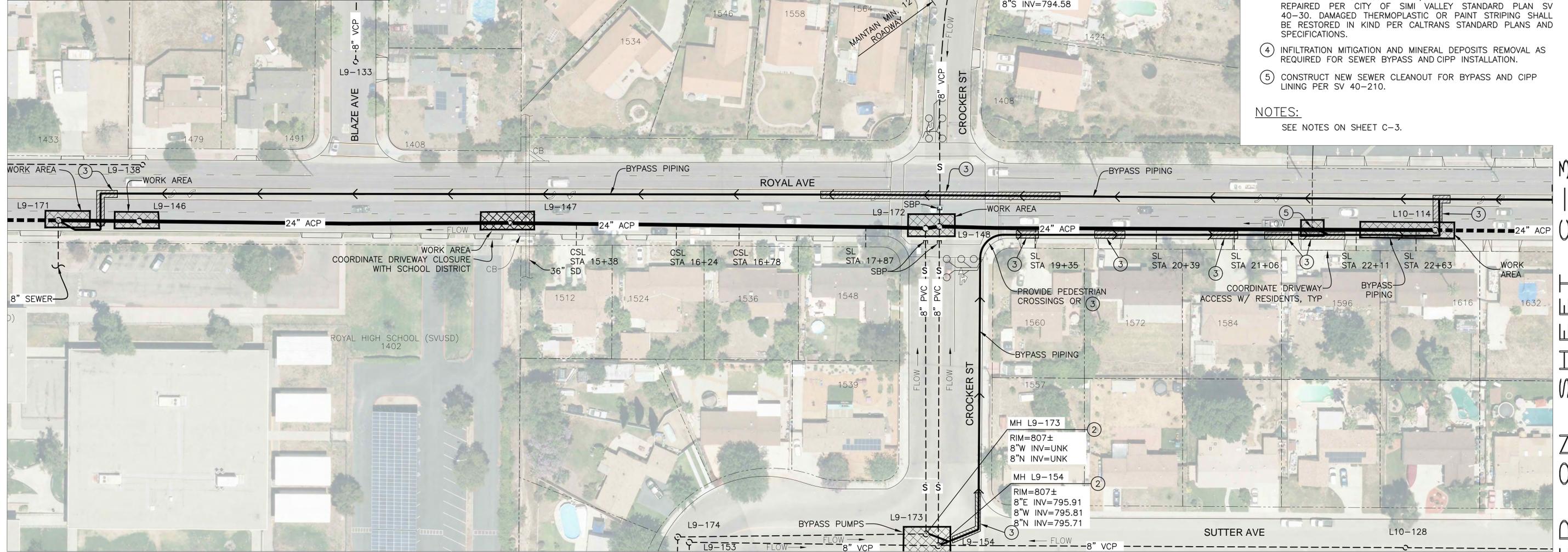


SV2005_RoyalPride.dwg PLOT DATE: Sep 21, 2020, 8:46am

CITY OF SIMI VALLEY - SANITATION DIVISION				 CITY OF SIMI VALLEY DEPARTMENT OF PUBLIC WORKS		SEWER LINE REHABILITATION PLAN SV 20-05 ROYAL AVE (PRIDE TO ERRINGER) STA 00+00 TO 10+90		SHEET NO. C-1	DRAWING NO. 2020-0004
NO.	REVISION	PREP.	APPVD.	DATE	REVIEWED BY: SENIOR ENGINEER <i>[Signature]</i> DATE: 9/18/20	RECOMMENDED: PRINCIPAL ENGINEER <i>[Signature]</i> DATE: 9/18/20	4 OF 11		

SEWER BYPASS DATA					
PHASE	SEWER LINE DIAMETER (in)	SUCTION MH	DISCHARGE MH	APPROX BYPASS LENGTH (LF)	APPROX PEAK FLOW RATE (GPM)
2	24	L10-115	L9-171	1320	2688
2A	8	L9-173	L9-171	30	173
2B	8	L9-154	L9-171	1950	40
2C	8	L9-131	L9-129	70	7
2D	6	NEW CO	L9-171	1380	5

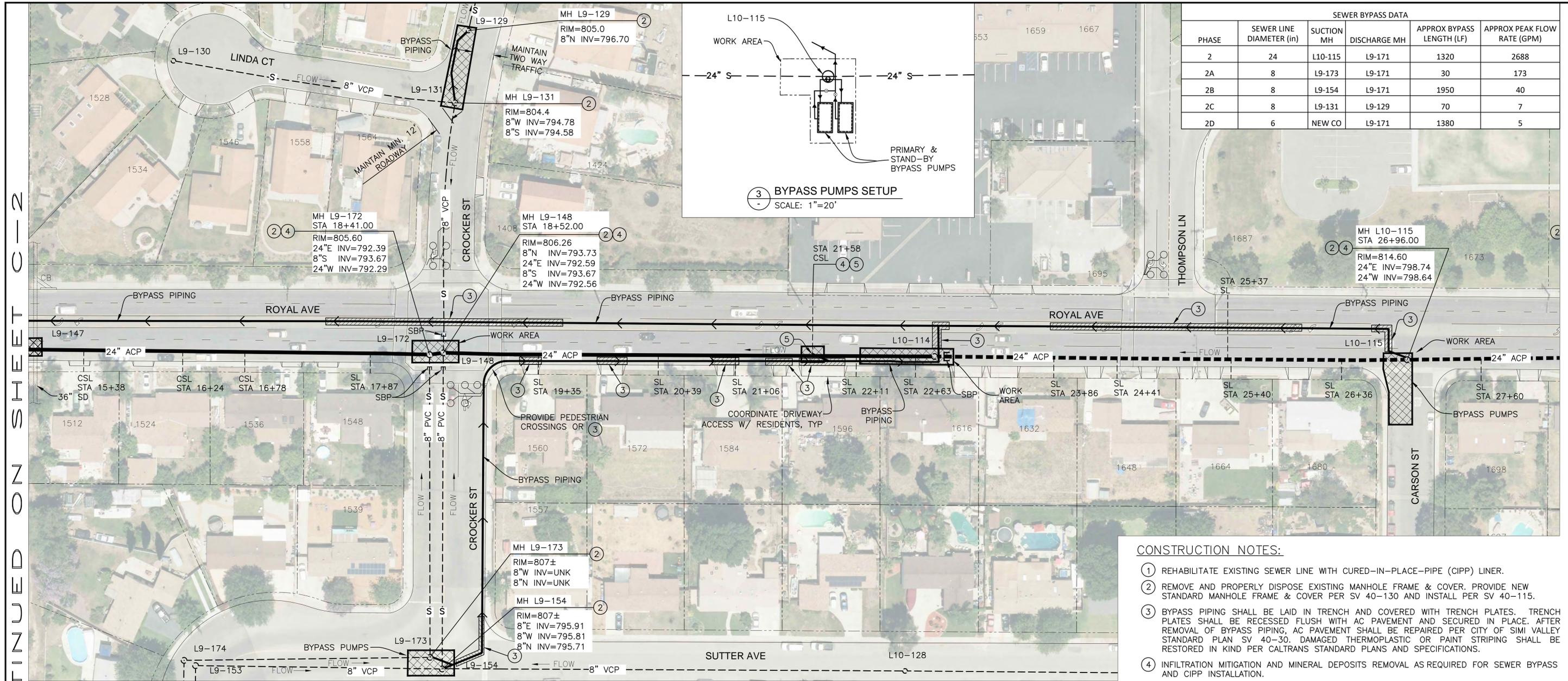
- CONSTRUCTION NOTES:**
- REHABILITATE EXISTING SEWER LINE WITH CURED-IN-PLACE-PIPE (CIPP) LINER.
 - REMOVE AND PROPERLY DISPOSE EXISTING MANHOLE FRAME & COVER. PROVIDE NEW STANDARD MANHOLE FRAME & COVER PER SV 40-130 AND INSTALL PER SV 40-115.
 - BYPASS PIPING SHALL BE LAID IN TRENCH AND COVERED WITH TRENCH PLATES. TRENCH PLATES SHALL BE RECESSED FLUSH WITH AC PAVEMENT AND SECURED IN PLACE. AFTER REMOVAL OF BYPASS PIPING, AC PAVEMENT SHALL BE REPAIRED PER CITY OF SIMI VALLEY STANDARD PLAN SV 40-30. DAMAGED THERMOPLASTIC OR PAINT STRIPING SHALL BE RESTORED IN KIND PER CALTRANS STANDARD PLANS AND SPECIFICATIONS.
 - INFILTRATION MITIGATION AND MINERAL DEPOSITS REMOVAL AS REQUIRED FOR SEWER BYPASS AND CIPP INSTALLATION.
 - CONSTRUCT NEW SEWER CLEANOUT FOR BYPASS AND CIPP LINING PER SV 40-210.
- NOTES:**
SEE NOTES ON SHEET C-3.



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CITY OF SIMI VALLEY - SANITATION DIVISION				 CITY OF SIMI VALLEY DEPARTMENT OF PUBLIC WORKS		SEWER LINE REHABILITATION PLAN SV 20-05 ROYAL AVE (PRIDE TO ERRINGER) STA 10+90 TO 22+82		SHEET NO. C-2	DRAWING NO. 2020-0005
REVIEWED BY: SENIOR ENGINEER <i>[Signature]</i> 9/18/20 DATE				RECOMMENDED: PRINCIPAL ENGINEER <i>[Signature]</i> 9/18/20 DATE				5 OF 11	
NO.	REVISION	PREP.	APPVD.	DATE					



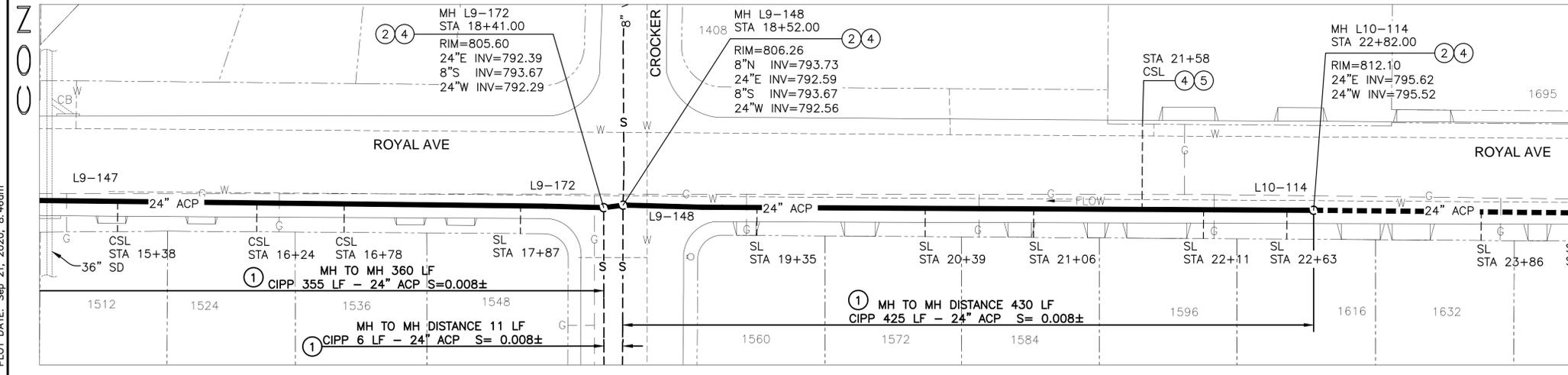
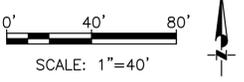
SEWER BYPASS DATA					
PHASE	SEWER LINE DIAMETER (in)	SUCTION MH	DISCHARGE MH	APPROX BYPASS LENGTH (LF)	APPROX PEAK FLOW RATE (GPM)
2	24	L10-115	L9-171	1320	2688
2A	8	L9-173	L9-171	30	173
2B	8	L9-154	L9-171	1950	40
2C	8	L9-131	L9-129	70	7
2D	6	NEW CO	L9-171	1380	5

CONSTRUCTION NOTES:

- REHABILITATE EXISTING SEWER LINE WITH CURED-IN-PLACE-PIPE (CIPP) LINER.
- REMOVE AND PROPERLY DISPOSE EXISTING MANHOLE FRAME & COVER. PROVIDE NEW STANDARD MANHOLE FRAME & COVER PER SV 40-130 AND INSTALL PER SV 40-115.
- BYPASS PIPING SHALL BE LAID IN TRENCH AND COVERED WITH TRENCH PLATES. TRENCH PLATES SHALL BE RECESSED FLUSH WITH AC PAVEMENT AND SECURED IN PLACE. AFTER REMOVAL OF BYPASS PIPING, AC PAVEMENT SHALL BE REPAIRED PER CITY OF SIMI VALLEY STANDARD PLAN SV 40-30. DAMAGED THERMOPLASTIC OR PAINT STRIPING SHALL BE RESTORED IN KIND PER CALTRANS STANDARD PLANS AND SPECIFICATIONS.
- INFILTRATION MITIGATION AND MINERAL DEPOSITS REMOVAL AS REQUIRED FOR SEWER BYPASS AND CIPP INSTALLATION.
- CONSTRUCT NEW SEWER CLEANOUT FOR BYPASS AND CIPP LINING PER SV 40-210.

NOTES:

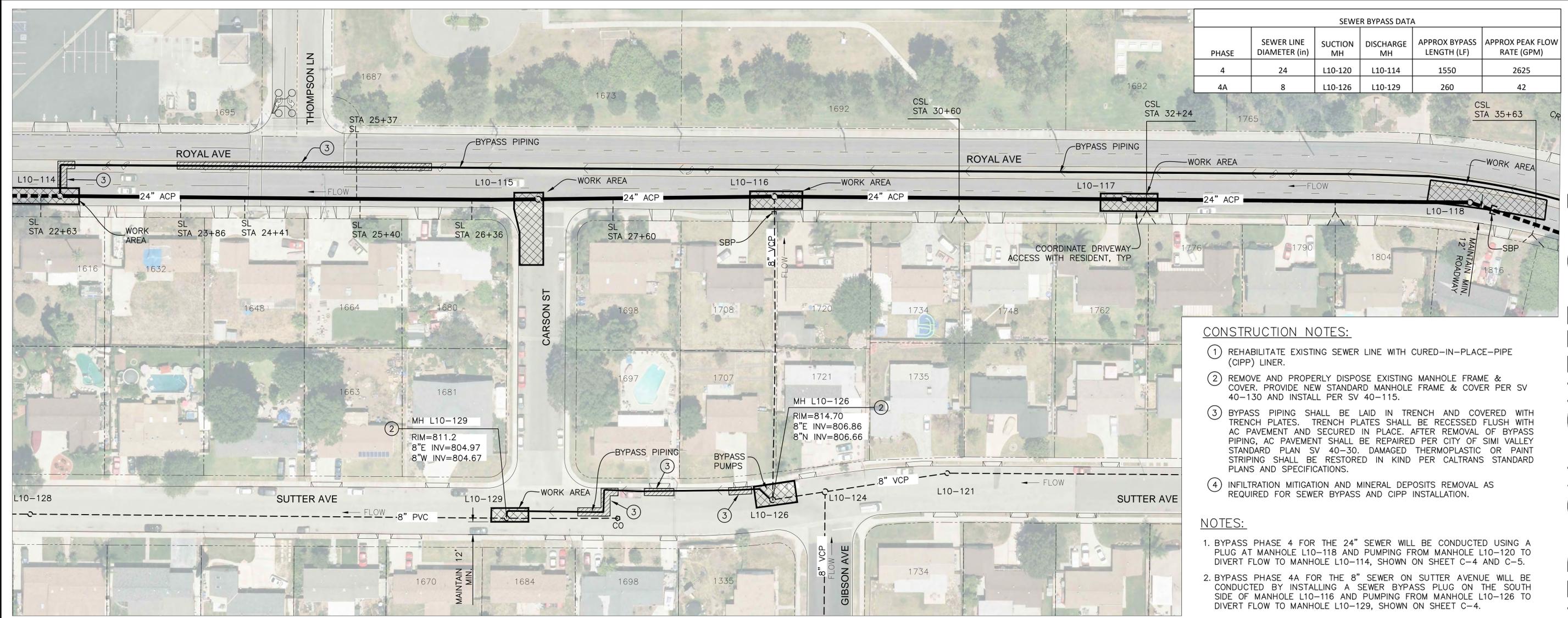
- BYPASS PHASE 2 FOR THE 24" SEWER WILL BE CONDUCTED USING A PLUG AT MANHOLE L10-114 AND PUMPING FROM MANHOLE L10-115 TO DIVERT FLOW TO MANHOLE L9-171, SHOWN ON SHEET C-2 AND C-3.
- BYPASS PHASE 2A FOR THE 8" SEWER (SOUTHWEST ON CROCKER ST) WILL BE CONDUCTED USING A PLUG AT MANHOLE L9-172 AND PUMPING FROM MANHOLE L9-173 TO DIVERT FLOW TO MANHOLE L9-171, SHOWN HEREON.
- BYPASS PHASE 2B FOR THE 8" SEWER (SOUTHEAST ON CROCKER ST) WILL BE CONDUCTED USING A PLUG AT MANHOLE L9-148 AND PUMPING FROM MANHOLE L9-154 TO DIVERT FLOW TO MANHOLE L9-171, SHOWN HEREON.
- BYPASS PHASE 2C FOR THE 8" SEWER (NORTH ON CROCKER ST) WILL BE CONDUCTED USING A PLUG AT MANHOLE L9-148 AND PUMPING FROM MANHOLE L9-131 TO DIVERT FLOW TO MANHOLE L9-129, SHOWN HEREON.
- BYPASS PHASE 2D FOR THE NEW 6" SEWER CLEANOUT WILL BE CONDUCTED USING A FLOW THROUGH PLUG AND PUMPING TO DIVERT FLOW TO MANHOLE L9-171, SHOWN HEREON.



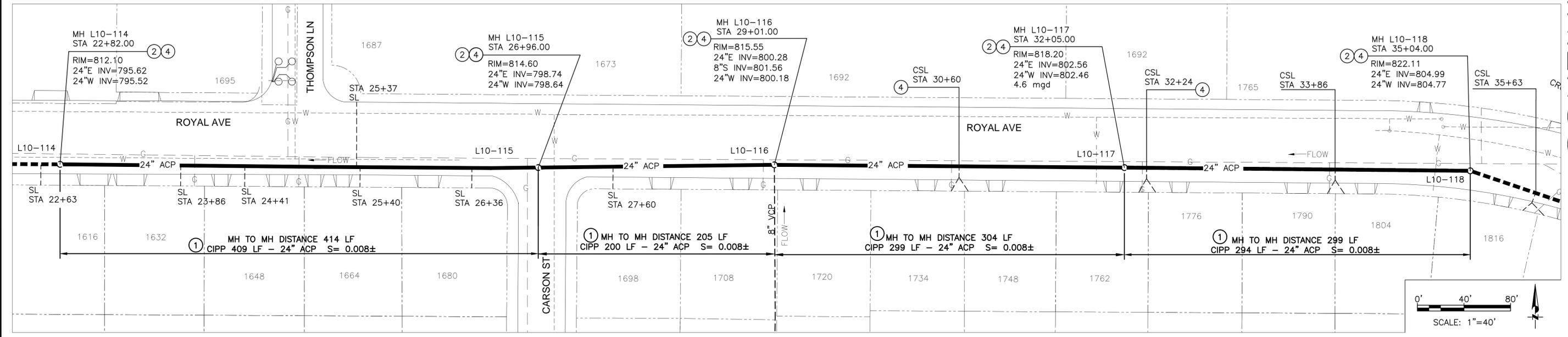
SV2005_RoyalPride.dwg PLOT DATE: Sep 21, 2020, 8:46am

CITY OF SIMI VALLEY - SANITATION DIVISION				 CITY OF SIMI VALLEY DEPARTMENT OF PUBLIC WORKS		SEWER LINE REHABILITATION PLAN SV 20-05 ROYAL AVE (PRIDE TO ERRINGER) STA 10+90 TO 22+82 CONTINUED		SHEET NO. C-3	DRAWING NO. 2020-0006
NO.	REVISION	PREP.	APPVD.	DATE	REVIEWED BY: SENIOR ENGINEER <i>[Signature]</i> DATE: 9/18/20	RECOMMENDED: PRINCIPAL ENGINEER <i>[Signature]</i> DATE: 9/18/20	SCALE: 1"=40'		6 OF 11

SEWER BYPASS DATA					
PHASE	SEWER LINE DIAMETER (in)	SUCTION MH	DISCHARGE MH	APPROX BYPASS LENGTH (LF)	APPROX PEAK FLOW RATE (GPM)
4	24	L10-120	L10-114	1550	2625
4A	8	L10-126	L10-129	260	42



- CONSTRUCTION NOTES:**
- REHABILITATE EXISTING SEWER LINE WITH CURED-IN-PLACE-PIPE (CIPP) LINER.
 - REMOVE AND PROPERLY DISPOSE EXISTING MANHOLE FRAME & COVER. PROVIDE NEW STANDARD MANHOLE FRAME & COVER PER SV 40-130 AND INSTALL PER SV 40-115.
 - BYPASS PIPING SHALL BE LAID IN TRENCH AND COVERED WITH TRENCH PLATES. TRENCH PLATES SHALL BE RECESSED FLUSH WITH AC PAVEMENT AND SECURED IN PLACE. AFTER REMOVAL OF BYPASS PIPING, AC PAVEMENT SHALL BE REPAIRED PER CITY OF SIMI VALLEY STANDARD PLAN SV 40-30. DAMAGED THERMOPLASTIC OR PAINT STRIPING SHALL BE RESTORED IN KIND PER CALTRANS STANDARD PLANS AND SPECIFICATIONS.
 - INFILTRATION MITIGATION AND MINERAL DEPOSITS REMOVAL AS REQUIRED FOR SEWER BYPASS AND CIPP INSTALLATION.
- NOTES:**
- BYPASS PHASE 4 FOR THE 24" SEWER WILL BE CONDUCTED USING A PLUG AT MANHOLE L10-118 AND PUMPING FROM MANHOLE L10-120 TO DIVERT FLOW TO MANHOLE L10-114, SHOWN ON SHEET C-4 AND C-5.
 - BYPASS PHASE 4A FOR THE 8" SEWER ON SUTTER AVENUE WILL BE CONDUCTED BY INSTALLING A SEWER BYPASS PLUG ON THE SOUTH SIDE OF MANHOLE L10-116 AND PUMPING FROM MANHOLE L10-126 TO DIVERT FLOW TO MANHOLE L10-129, SHOWN ON SHEET C-4.

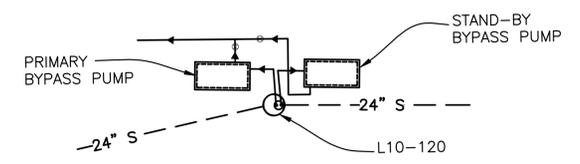


SV2005_RoyalPride.dwg PLOT DATE: Sep 21, 2020, 8:46am

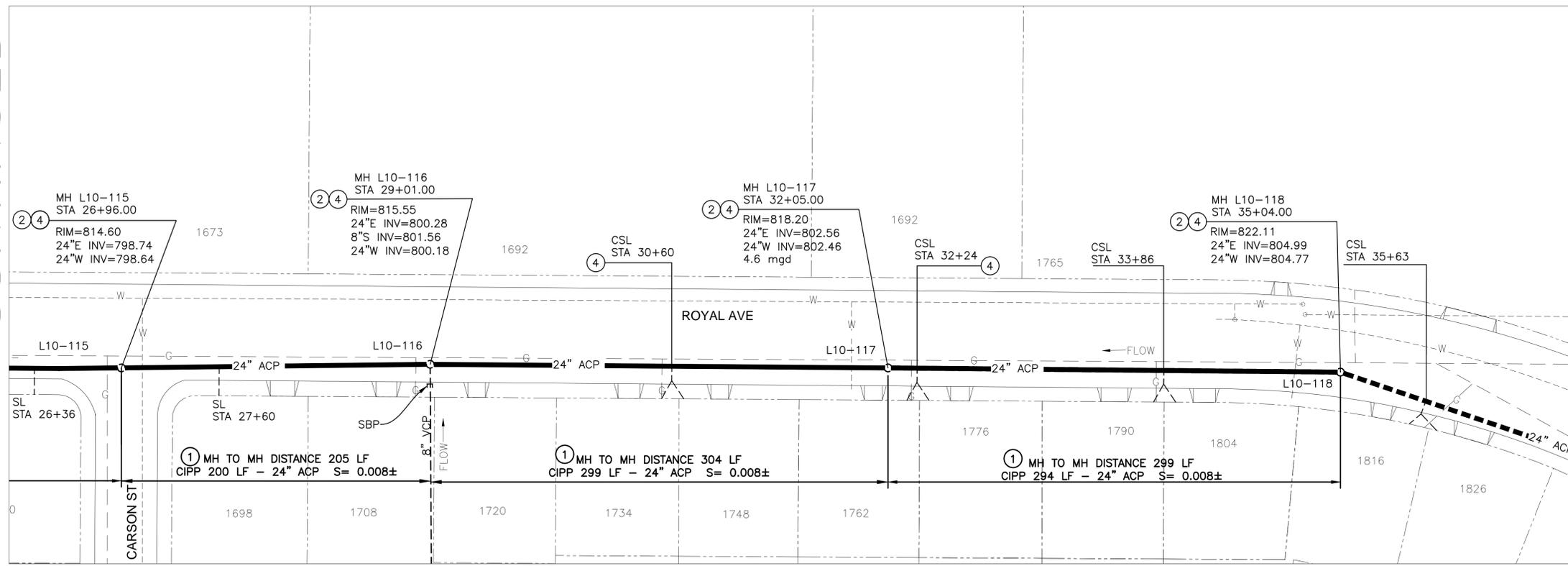
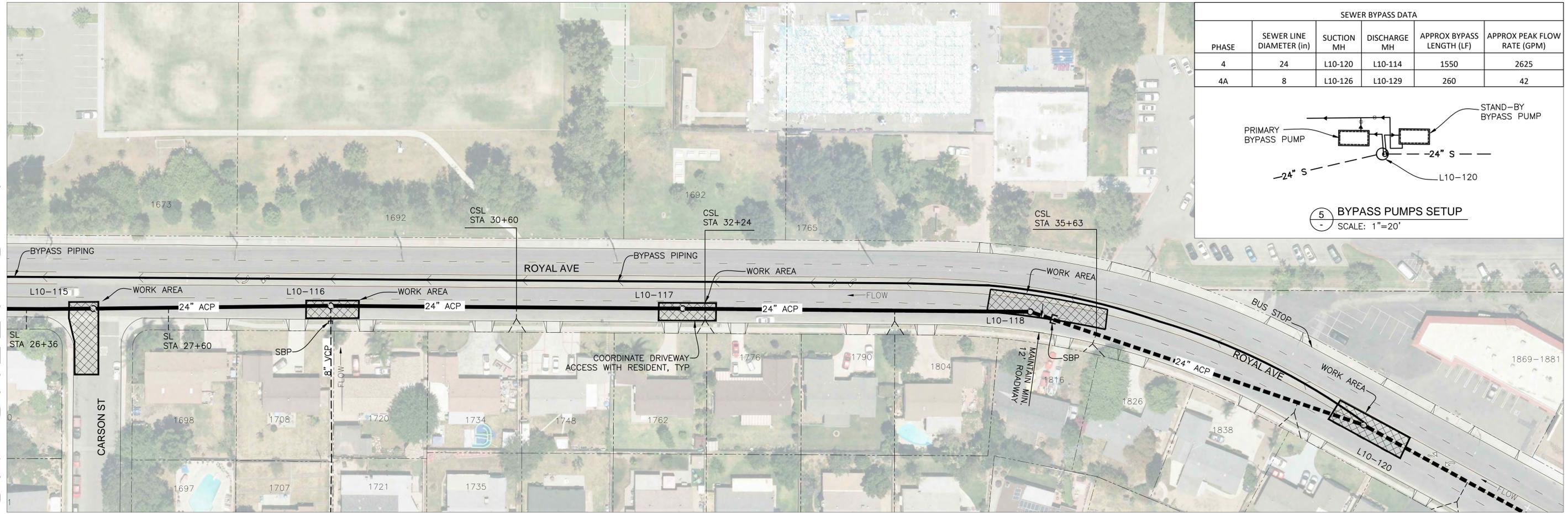
CITY OF SIMI VALLEY - SANITATION DIVISION				 CITY OF SIMI VALLEY DEPARTMENT OF PUBLIC WORKS		SEWER LINE REHABILITATION PLAN SV 20-05 ROYAL AVE (PRIDE TO ERRINGER) STA 22+82 TO 35+04		SHEET NO.	DRAWING NO.
REVIEWED BY: SENIOR ENGINEER <i>[Signature]</i> 9/18/20 DATE								C-4	2020-0007
RECOMMENDED: PRINCIPAL ENGINEER <i>[Signature]</i> 9/18/20 DATE								7 OF 11	
NO.	REVISION	PREP.	APPVD.	DATE					

CONTINUED SHEET NO. 4

SEWER BYPASS DATA					
PHASE	SEWER LINE DIAMETER (in)	SUCTION MH	DISCHARGE MH	APPROX BYPASS LENGTH (LF)	APPROX PEAK FLOW RATE (GPM)
4	24	L10-120	L10-114	1550	2625
4A	8	L10-126	L10-129	260	42



5 BYPASS PUMPS SETUP
SCALE: 1"=20'



- CONSTRUCTION NOTES:**
- REHABILITATE EXISTING SEWER LINE WITH CURED-IN-PLACE-PIPE (CIPP) LINER.
 - REMOVE AND PROPERLY DISPOSE EXISTING MANHOLE FRAME & COVER. PROVIDE NEW STANDARD MANHOLE FRAME & COVER PER SV 40-130 AND INSTALL PER SV 40-115.
 - BYPASS PIPING SHALL BE LAID IN TRENCH AND COVERED WITH TRENCH PLATES. TRENCH PLATES SHALL BE RECESSED FLUSH WITH AC PAVEMENT AND SECURED IN PLACE. AFTER REMOVAL OF BYPASS PIPING, AC PAVEMENT SHALL BE REPAIRED PER CITY OF SIMI VALLEY STANDARD PLAN SV 40-30. DAMAGED THERMOPLASTIC OR PAINT STRIPING SHALL BE RESTORED IN KIND PER CALTRANS STANDARD PLANS AND SPECIFICATIONS.
 - INFILTRATION MITIGATION AND MINERAL DEPOSITS REMOVAL AS REQUIRED FOR SEWER BYPASS AND CIPP INSTALLATION.

- NOTES:**
- BYPASS PHASE 4 FOR THE 24" SEWER WILL BE CONDUCTED USING A PLUG AT MANHOLE L10-118 AND PUMPING FROM MANHOLE L10-120 TO DIVERT FLOW TO MANHOLE L10-114, SHOWN ON SHEET C-4 AND C-5.
 - BYPASS PHASE 4A FOR THE 8" SEWER ON SUTTER AVENUE WILL BE CONDUCTED BY INSTALLING A SEWER BYPASS PLUG ON THE SOUTH SIDE OF MANHOLE L10-116 AND PUMPING FROM MANHOLE L10-126 TO DIVERT FLOW TO MANHOLE L10-129, SHOWN ON SHEET C-4.

SV2005_RoyalPride.dwg PLOT DATE: Sep 21, 2020, 8:46am

NO.	REVISION	PREP.	APPVD.	DATE

CITY OF SIMI VALLEY - SANITATION DIVISION

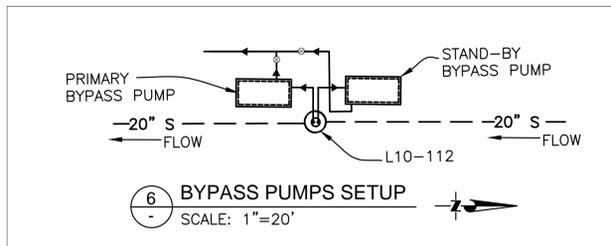
REVIEWED BY: SENIOR ENGINEER *[Signature]* 9/18/20 DATE

RECOMMENDED: PRINCIPAL ENGINEER *[Signature]* 9/18/20 DATE

CITY OF SIMI VALLEY
DEPARTMENT OF PUBLIC WORKS

SEWER LINE REHABILITATION PLAN
SV 20-05
ROYAL AVE (PRIDE TO ERRINGER)
STA 22+82 TO 35+04 CONTINUED

SHEET NO. C-5	DRAWING NO. 2020-0008
8 OF 11	



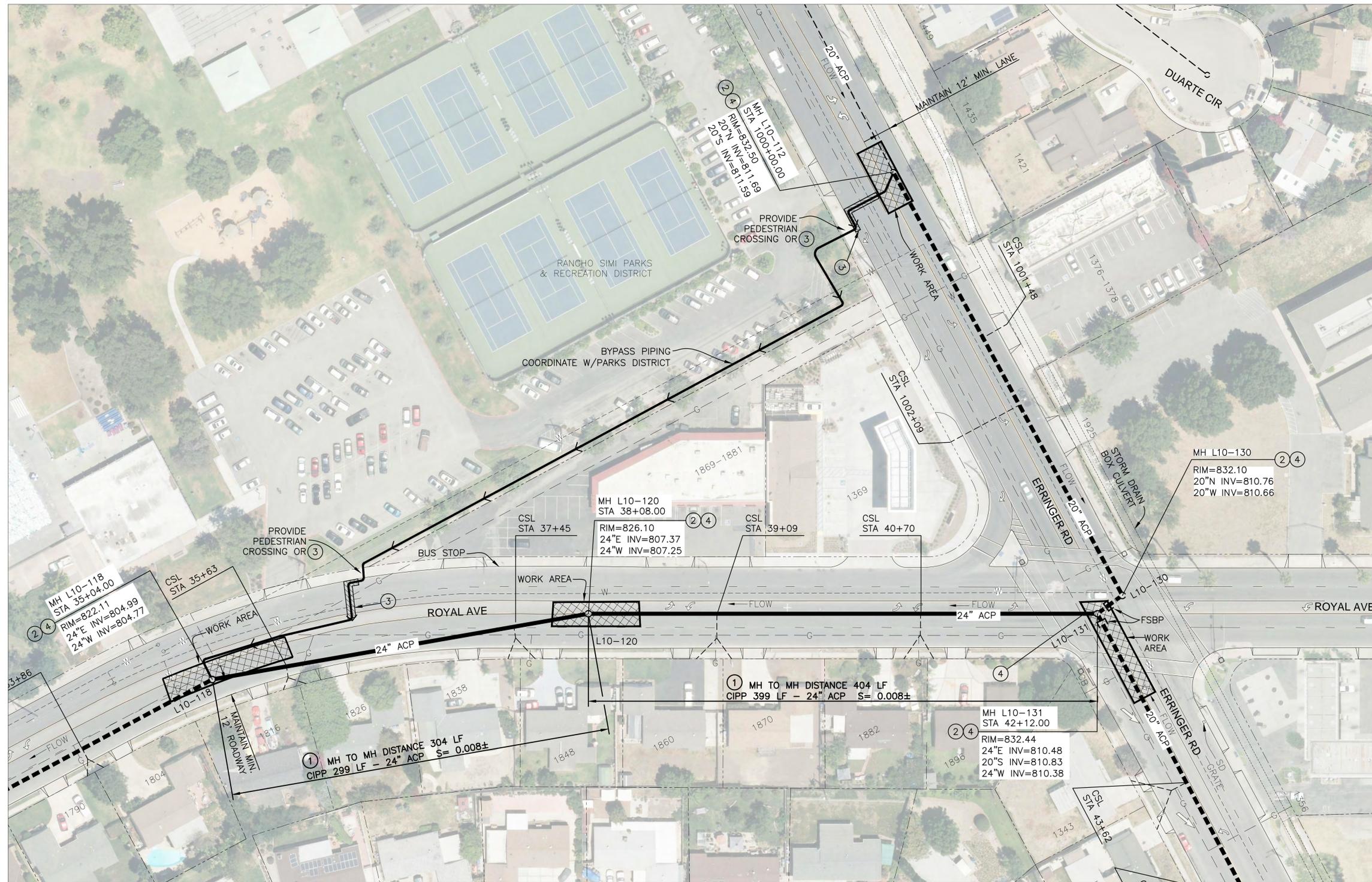
SEWER BYPASS DATA					
PHASE	SEWER LINE DIAMETER (in)	SUCTION MH	DISCHARGE MH	APPROX BYPASS LENGTH (LF)	APPROX PEAK FLOW RATE (GPM)
6	20	L10-112	L10-118	800	2625
6A	20	L10-131	L10-131	5	2014

CONSTRUCTION NOTES:

- ① REHABILITATE EXISTING SEWER LINE WITH CURED-IN-PLACE-PIPE (CIPP) LINER.
- ② REMOVE AND PROPERLY DISPOSE EXISTING MANHOLE FRAME & COVER. PROVIDE NEW STANDARD MANHOLE FRAME & COVER PER SV 40-130 AND INSTALL PER SV 40-115.
- ③ BYPASS PIPING SHALL BE LAID IN TRENCH AND COVERED WITH TRENCH PLATES. TRENCH PLATES SHALL BE RECESSED FLUSH WITH AC PAVEMENT AND SECURED IN PLACE. AFTER REMOVAL OF BYPASS PIPING, AC PAVEMENT SHALL BE REPAIRED PER CITY OF SIMI VALLEY STANDARD PLAN SV 40-30. DAMAGED THERMOPLASTIC OR PAINT STRIPING SHALL BE RESTORED IN KIND PER CALTRANS STANDARD PLANS AND SPECIFICATIONS.
- ④ INFILTRATION MITIGATION AND MINERAL DEPOSITS REMOVAL AS REQUIRED FOR SEWER BYPASS AND CIPP INSTALLATION.

NOTES:

1. BYPASS PHASE 6 FOR THE 20" SEWER (NORTH ON ERRINGER) WILL BE CONDUCTED BY PUMPING FROM MANHOLE L10-112 TO DIVERT FLOW TO MANHOLE L10-118, SHOWN HEREON.
2. BYPASS PHASE 6A FOR THE 20" SEWER (SOUTH ON ERRINGER) WILL BE CONDUCTED USING FLOW THROUGH PLUGS TO DIVERT FLOW THROUGH MANHOLE L10-131, SHOWN HEREON.
3. ERRINGER ROAD AND ROYAL AVE: NIGHT SHIFT REQUIRED FOR CIPP LINING L10-120 TO L10-131.



SV2005_RoyalPride.dwg PLOT DATE: Sep 21, 2020, 8:47am

NO.	REVISION	PREP.	APPVD.	DATE

CITY OF SIMI VALLEY - SANITATION DIVISION

REVIEWED BY: *[Signature]* SENIOR ENGINEER 9/18/20
DATE

RECOMMENDED: *[Signature]* PRINCIPAL ENGINEER 9/18/20
DATE


CITY OF SIMI VALLEY
 DEPARTMENT OF PUBLIC WORKS

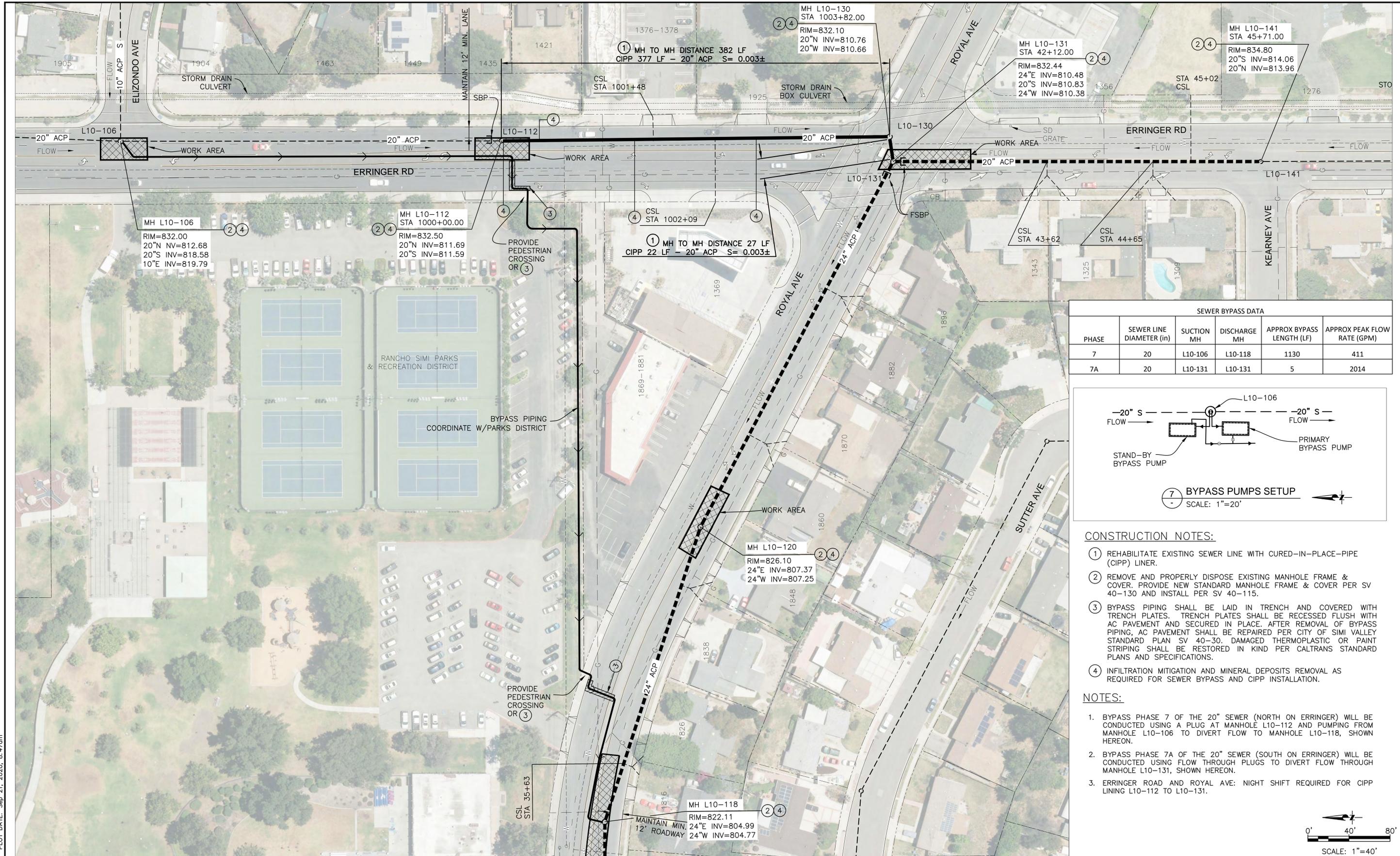
SEWER LINE REHABILITATION PLAN

SV 20-05

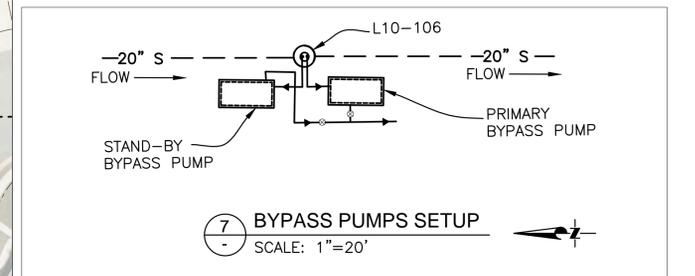
ROYAL AVE (PRIDE TO ERRINGER)

STA 35+04 TO 42+12

SHEET NO.	DRAWING NO.
C-6	2020-0009
9 OF 11	

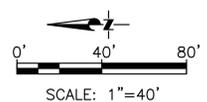


SEWER BYPASS DATA					
PHASE	SEWER LINE DIAMETER (in)	SUCTION MH	DISCHARGE MH	APPROX BYPASS LENGTH (LF)	APPROX PEAK FLOW RATE (GPM)
7	20	L10-106	L10-118	1130	411
7A	20	L10-131	L10-131	5	2014



- CONSTRUCTION NOTES:**
- REHABILITATE EXISTING SEWER LINE WITH CURED-IN-PLACE-PIPE (CIPP) LINER.
 - REMOVE AND PROPERLY DISPOSE EXISTING MANHOLE FRAME & COVER. PROVIDE NEW STANDARD MANHOLE FRAME & COVER PER SV 40-130 AND INSTALL PER SV 40-115.
 - BYPASS PIPING SHALL BE LAID IN TRENCH AND COVERED WITH TRENCH PLATES. TRENCH PLATES SHALL BE RECESSED FLUSH WITH AC PAVEMENT AND SECURED IN PLACE. AFTER REMOVAL OF BYPASS PIPING, AC PAVEMENT SHALL BE REPAIRED PER CITY OF SIMI VALLEY STANDARD PLAN SV 40-30. DAMAGED THERMOPLASTIC OR PAINT STRIPING SHALL BE RESTORED IN KIND PER CALTRANS STANDARD PLANS AND SPECIFICATIONS.
 - INFILTRATION MITIGATION AND MINERAL DEPOSITS REMOVAL AS REQUIRED FOR SEWER BYPASS AND CIPP INSTALLATION.

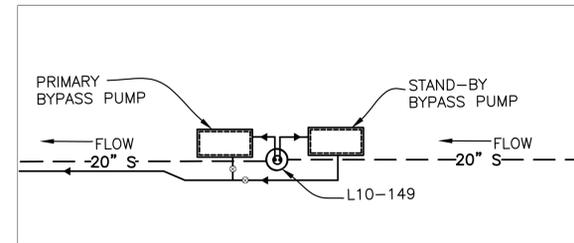
- NOTES:**
- BYPASS PHASE 7 OF THE 20" SEWER (NORTH ON ERRINGER) WILL BE CONDUCTED USING A PLUG AT MANHOLE L10-112 AND PUMPING FROM MANHOLE L10-106 TO DIVERT FLOW TO MANHOLE L10-118, SHOWN HEREON.
 - BYPASS PHASE 7A OF THE 20" SEWER (SOUTH ON ERRINGER) WILL BE CONDUCTED USING FLOW THROUGH PLUGS TO DIVERT FLOW THROUGH MANHOLE L10-131, SHOWN HEREON.
 - ERRINGER ROAD AND ROYAL AVE: NIGHT SHIFT REQUIRED FOR CIPP LINING L10-112 TO L10-131.



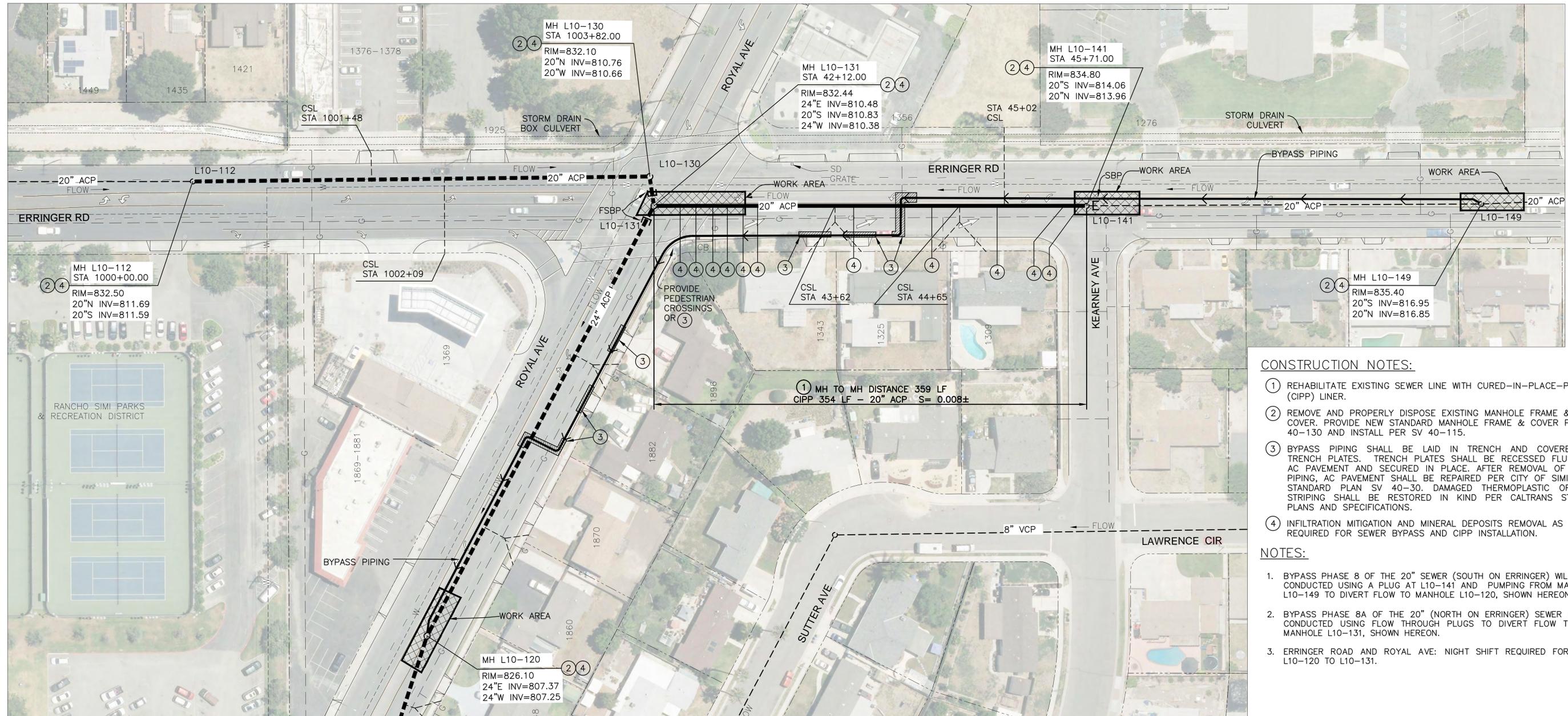
SV2005_RoyalPride.dwg PLOT DATE: Sep 21, 2020, 8:47am

CITY OF SIMI VALLEY - SANITATION DIVISION				 CITY OF SIMI VALLEY DEPARTMENT OF PUBLIC WORKS		SEWER LINE REHABILITATION PLAN SV 20-05 ROYAL AVE (PRIDE TO ERRINGER) STA 1000+00 TO 1003+82 TO 42+12		SHEET NO. C-7	DRAWING NO. 2020-0010
NO.	REVISION	PREP.	APPVD.	DATE	REVIEWED BY: SENIOR ENGINEER <i>[Signature]</i> DATE: 9/18/20	RECOMMENDED: PRINCIPAL ENGINEER <i>[Signature]</i> DATE: 9/18/20			
10 OF 11									

SEWER BYPASS DATA					
PHASE	SEWER LINE DIAMETER (in)	SUCTION MH	DISCHARGE MH	APPROX BYPASS LENGTH (LF)	APPROX PEAK FLOW RATE (GPM)
8	20	L10-149	L10-120	1100	2014
8A	20	L10-131	L10-131	5	611



8 BYPASS PUMPS SETUP
SCALE: 1"=20'

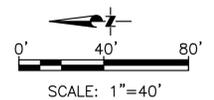


CONSTRUCTION NOTES:

- REHABILITATE EXISTING SEWER LINE WITH CURED-IN-PLACE-PIPE (CIPP) LINER.
- REMOVE AND PROPERLY DISPOSE EXISTING MANHOLE FRAME & COVER. PROVIDE NEW STANDARD MANHOLE FRAME & COVER PER SV 40-130 AND INSTALL PER SV 40-115.
- BYPASS PIPING SHALL BE LAID IN TRENCH AND COVERED WITH TRENCH PLATES. TRENCH PLATES SHALL BE RECESSED FLUSH WITH AC PAVEMENT AND SECURED IN PLACE. AFTER REMOVAL OF BYPASS PIPING, AC PAVEMENT SHALL BE REPAIRED PER CITY OF SIMI VALLEY STANDARD PLAN SV 40-30. DAMAGED THERMOPLASTIC OR PAINT STRIPING SHALL BE RESTORED IN KIND PER CALTRANS STANDARD PLANS AND SPECIFICATIONS.
- INFILTRATION MITIGATION AND MINERAL DEPOSITS REMOVAL AS REQUIRED FOR SEWER BYPASS AND CIPP INSTALLATION.

NOTES:

- BYPASS PHASE 8 OF THE 20" SEWER (SOUTH ON ERRINGER) WILL BE CONDUCTED USING A PLUG AT L10-141 AND PUMPING FROM MANHOLE L10-149 TO DIVERT FLOW TO MANHOLE L10-120, SHOWN HEREON.
- BYPASS PHASE 8A OF THE 20" (NORTH ON ERRINGER) SEWER WILL BE CONDUCTED USING FLOW THROUGH PLUGS TO DIVERT FLOW THROUGH MANHOLE L10-131, SHOWN HEREON.
- ERRINGER ROAD AND ROYAL AVE: NIGHT SHIFT REQUIRED FOR LINING L10-120 TO L10-131.



SV2005_RoyalPride.dwg PLOT DATE: Sep 21, 2020, 8:47am

CITY OF SIMI VALLEY - SANITATION DIVISION

REVIEWED BY: SENIOR ENGINEER DATE: 9/18/20

 RECOMMENDED: PRINCIPAL ENGINEER DATE: 9/18/20

CITY OF SIMI VALLEY
 DEPARTMENT OF PUBLIC WORKS

SEWER LINE REHABILITATION PLAN
SV 20-05
ROYAL AVE (PRIDE TO ERRINGER)
STA 42+12 TO 45+71

SHEET NO.	DRAWING NO.
C-8	2020-0011
11 OF 11	

NO.	REVISION	PREP.	APPVD.	DATE