



CITY OF PLACERVILLE
CAPITAL IMPROVEMENT PROJECT

HOCKING STREET SEWER MAIN REPLACEMENT PROJECT
MEASURE H&L
PROJECT NO. 42245
FINAL
APRIL 2023

CONSULTANTS:

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11060 WHITE ROCK ROAD, SUITE 200
RANCHO CORDOVA, CA 95670
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R.E.Y.:
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FOLSOM, CA 95630
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SUBMITTED BY:

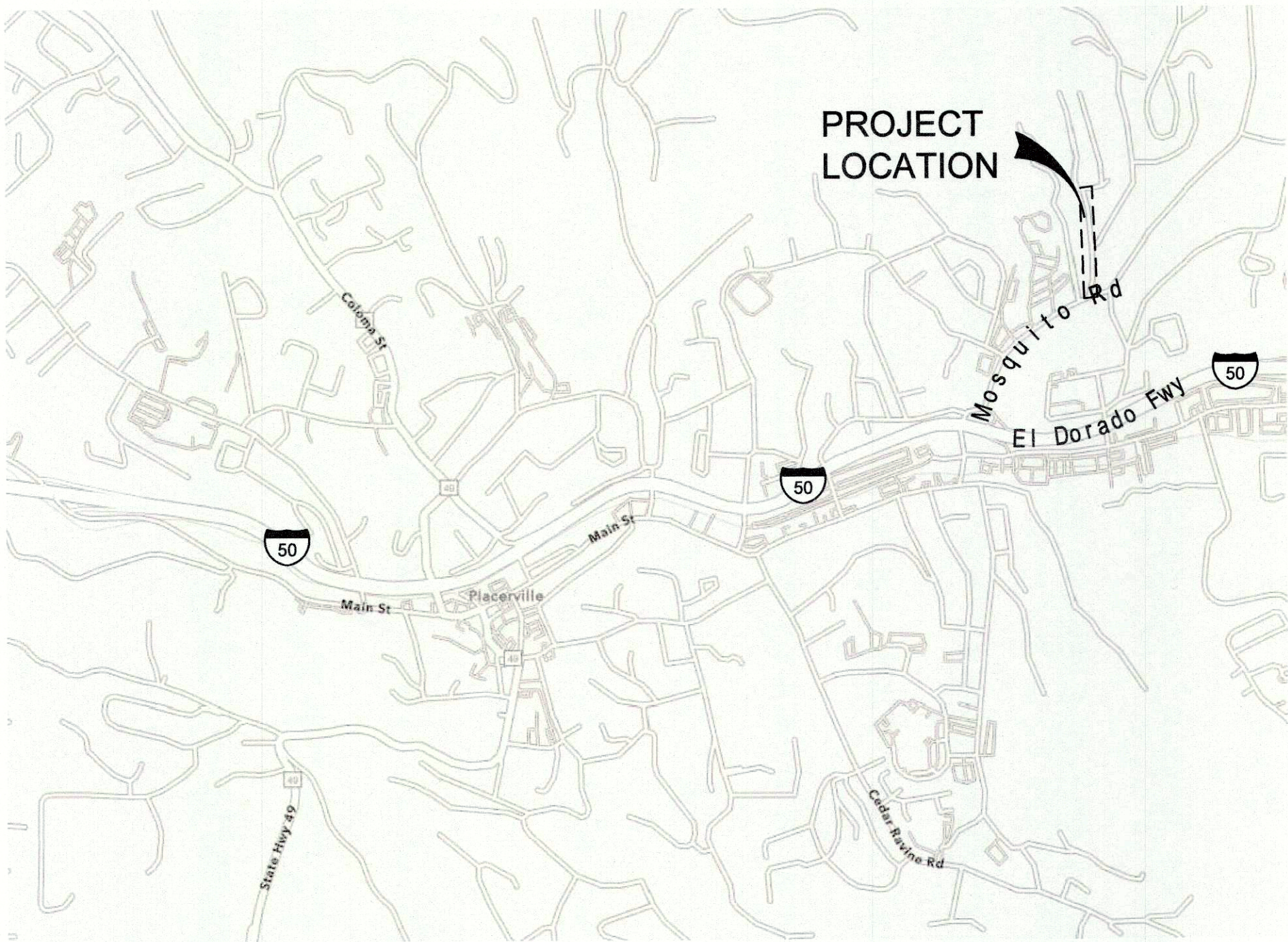
Dave Richard
DAVE RICHARD, PE
DEWBERRY
PROJECT MANAGER

RCE: 33479

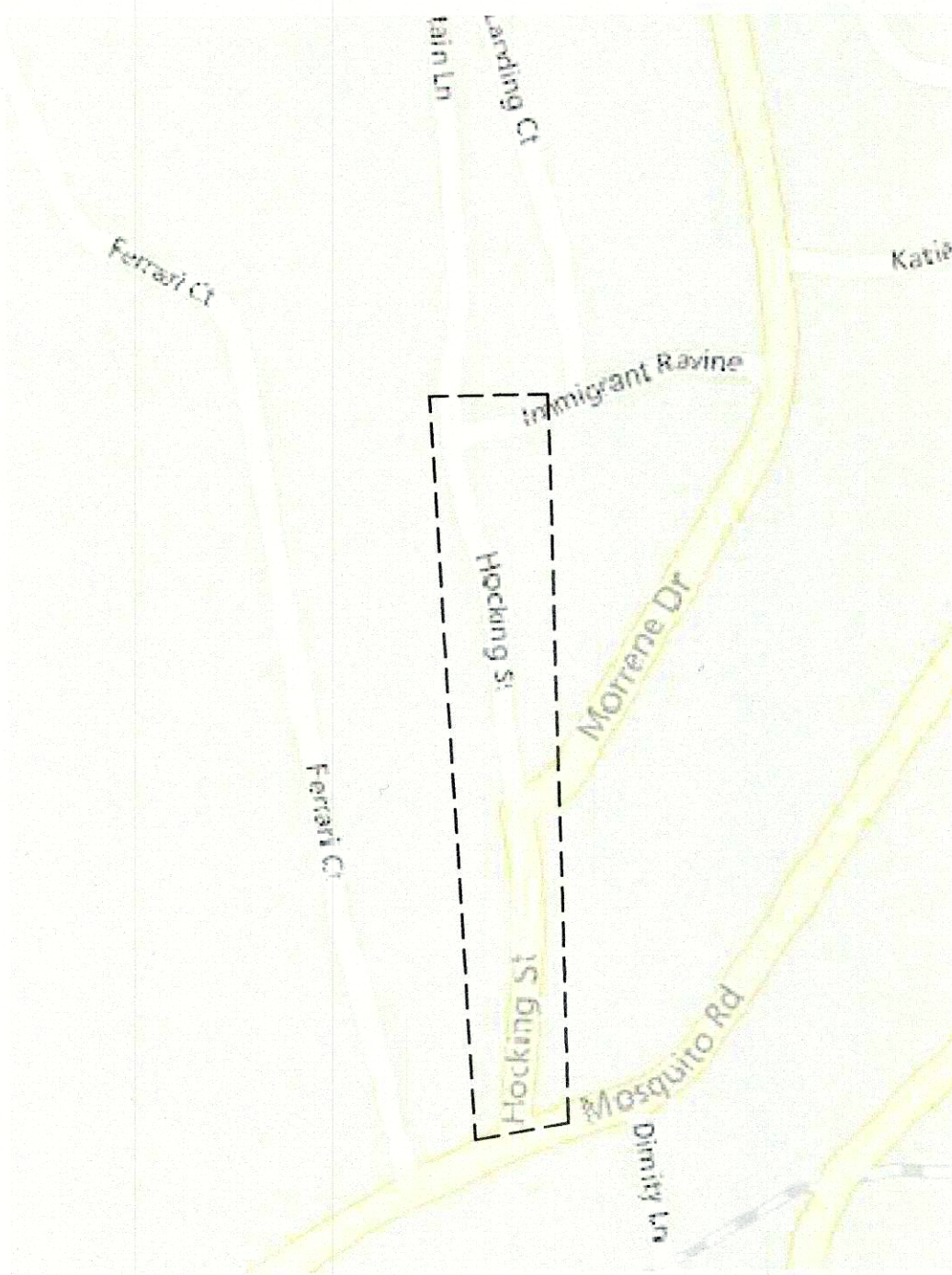
APPROVED BY:

Rebecca Neves 4/26/23
REBECCA NEVES, PE
CITY OF PLACERVILLE
CITY ENGINEER

RCE: 71920



VICINITY MAP



LOCATION MAP



FINAL



REVISIONS	NO.	DESCRIPTIONS	DATE	APPROVED

HOCKING STREET
SEWER MAIN REPLACEMENT PROJECT
COVER SHEET

Dewberry
11060 White Rock Road, Suite 200
Rancho Cordova, CA 95670

JOB #: ---
DATE: 4/25/2023
SCALE: ---
DRAWN: A.GUTIERREZ
DESIGN: D.RICHARD
CHK'D: D.RICHARD

SHEET
NUMBER

G0.10

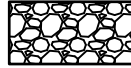
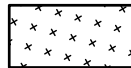
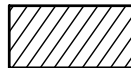
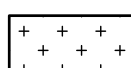
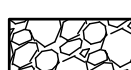
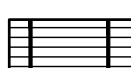
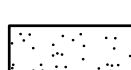
GENERAL ABBREVIATIONS

(A)	ABANDON	SCHED	SCHEDULE
AB	AGGREGATE BASE	SHT	SHEET
AGG	AGGREGATE	SLP	SLOPE
ALUM	ALUMINUM	SQ	SQUARE
AVE	AVERAGE	SQ FT	SQUARE FOOT
℄	CENTERLINE	SQ IN	SQUARE INCH
CLSM	CONTROLLED LOW STRENGTH MATERIAL	SST	STAINLESS STEEL
CMP	CORRUGATED METAL PIPE	STL	STEEL
CO	CLEANOUT	TBM	TEMPORARY BENCH MARK
CON	CONNECTION	TOS	TOP OF STEEL
CONC	CONCRETE	TR	TREE
COORD	COORDINATE	TYP	TYPICAL
CU FT	CUBIC FEET	UE	UNDERGROUND ELECTRIC
CU IN	CUBIC INCH	UON	UNLESS OTHERWISE NOTED
CY	CUBIC YARD	V	VENT
C-C	CENTER TO CENTER		
DET	DETAIL		
DIA, Ø	DIAMETER		
DIP	DUCTILE IRON PIPE		
DWG, DRWG	DRAWING		
EA	EACH		
EL, ELEV	ELEVATION		
ELB	ELBOW		
ELEC	ELECTRIC		
ENGR	ENGINEER		
EX	EXISTING		
FG	FINISHED GRADE		
FIG	FIGURE		
FL	FLANGED		
FLR	FLOOR		
FT	FOOT		
GSM	GALVANIZED SHEET METAL		
GPS	GLOBAL POSITIONING SYSTEM		
GSP	GALVANIZED STEEL PIPE		
GV	GATE VALVE		
HGT	HEIGHT		
H, HORIZ	HORIZONTAL		
ID	INSIDE DIAMETER		
IN	INCH		
INV, I.E.	INVERT ELEVATION		
LB/CU FT	POUNDS PER CUBIC FOOT		
LF	LINEAR FEET		
MAX	MAXIMUM		
MECH	MECHANICAL		
MFR	MANUFACTURER		
MH	MANHOLE		
MIN	MINIMUM		
MISC	MISCELLANEOUS		
MJ	MECHANICAL JOINT		
NO.	NUMBER		
NTS	NOT TO SCALE		
NIC	NOT IN CONTRACT		
OC	ON CENTER		
OD	OUTSIDE DIAMETER		
OHE	OVERHEAD ELECTRICAL		
PC	POINT OF CURVATURE		
PE	PLAIN END		
PI	POINT OF INTERSECTION		
P/L	PROPERTY LINE		
PP	POWER POLE		
PT	POINT OF TANGENCY		
P.U.E.	PUBLIC UTILITY EASEMENT		
PVC	POLYVINYL CHLORIDE		
R	RADIUS		
RCP	REINFORCED CONCRETE PIPE		
REF	REFER OR REFERENCE		
REINF	REINFORCE(D)		
RMJ	RESTRAINED MECHANICAL JOINT		
R.O.W.	RIGHT-OF-WAY		

PIPING SYSTEM DESIGNATIONS

DR	DRAIN
E	ELECTRIC
FO	FIBER OPTIC
GAS	GAS
OH	OVERHEAD
SD	STORM DRAIN
SS	SANITARY SEWER
T	TELEPHONE
W	POTABLE WATER

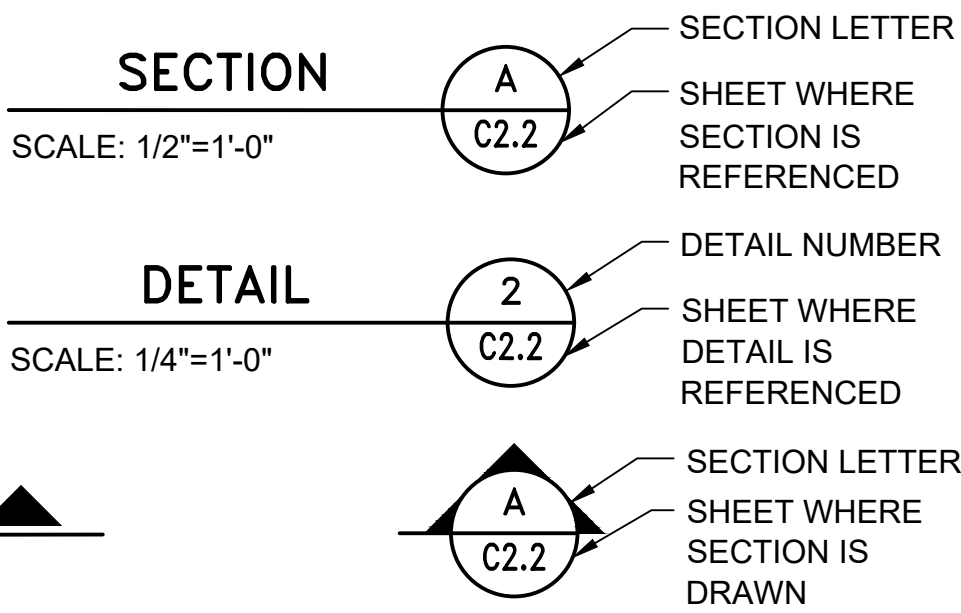
MATERIAL DESIGNATIONS

	AGGREGATE BASE (A.B.)
	AGGREGATE BASE WALK
	ASPHALTIC CONCRETE (A.C.)
	CHECKERED PLATE
	CONCRETE
	CONCRETE MASONRY WALL
	EARTH
	EARTHWORK/GRADING
	NATIVE ROCK/RIP–RAP
	GRATING
	PLASTIC, RUBBER OR NEOPRENE
	SAND
	STUCCO

SHEET INDEX

SHEET NO.	DRAWING	TITLE
GENERAL		
1	G0.10	COVER SHEET
2	G0.20	DRAWING INDEX, ABBREVIATIONS AND SYMBOLS
3	G0.30	CONSTRUCTION NOTES
4	G0.40	STAGING AREA, BYPASS PUMPING REQUIREMENTS
CIVIL		
5	C1.00	SEWER IMPROVEMENTS – SITE PLAN, KEY MAP, AND SUMMARY OF WORK
6	C1.01	SEWER IMPROVEMENTS – PLAN & PROFILE NO. 1
7	C1.02	SEWER IMPROVEMENTS – PLAN & PROFILE NO. 2
8	C1.03	SEWER IMPROVEMENTS – PLAN & PROFILE NO. 3
9	C1.04	SEWER IMPROVEMENTS – PLAN & PROFILE NO. 4
10	C1.05	SEWER IMPROVEMENTS – PLAN & PROFILE NO. 5
11	C1.06	SEWER REPAIRS
12	C2.00	PAVING IMPROVEMENTS
13	C2.01	DRAINAGE IMPROVEMENTS
DETAILS		
14	D1.00	CONSTRUCTION DETAILS NO. 1
15	D1.01	CONSTRUCTION DETAILS NO. 2

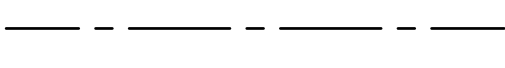
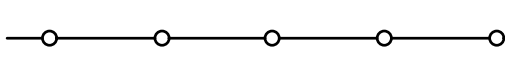
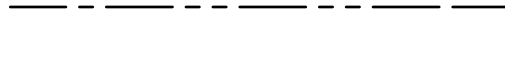
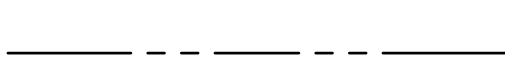
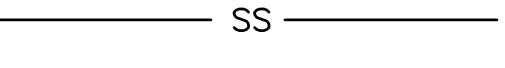
SECTION/DETAIL SYMBOLS



GENERAL SYMBOLS

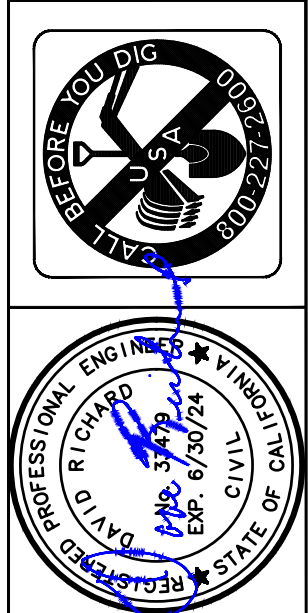
	WATER VALVE
	WATER METER
	FIRE HYDRANT
	DI
	STORM DRAIN MANHOLE
	SANITARY BOX
	SANITARY SEWER MANHOLE
	CLEAN OUT
	ELECTRIC BOX
	PG&E ELECTRICAL BOX
	CABLE TV BOX
	TRANSFORMER
	ELECTRICAL VAULT
	STREET LIGHT
	STREET LIGHT BOX
	JOINT TRENCH MARKER
	COMMUNICATION BOX
	SURVEY MONUMENT

LINE TYPE LEGEND

	CENTERLINE
	CHAIN LINK FENCE
	DRAINAGE DITCH FLOW LINE
	EDGE OF PAVEMENT
	FLOW LINE
	IRRIGATION
	POTABLE WATER
	PROPERTY LINE
	RIGHT OF WAY LINE
	SANITARY SEWER
	STORM DRAIN
	WOOD FENCE

UTILITY CONTACTS

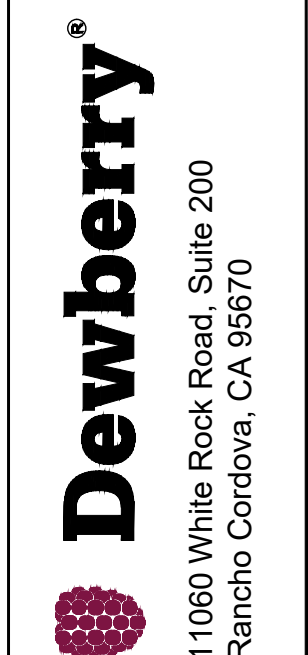
SEWER/STORM	ELECTRICITY
CITY OF PLACERVILLE CORY SCHIESTEL (530) 642–5557	PG&E SARABETH PANELA (530) 200–1824
WATER	CABLE T.V.:
CITY OF PLACERVILLE CORY SCHIESTEL (530) 642–5557	COMCAST GARY ABELIA (530) 830–6732
TELEPHONE	
AT&T DARREN MORTENSON (530) 621–6926	



APPROVED	DATE	REVISIONS
		NO. DESCRIPTIONS

HOCKING STREET
SEWER MAIN REPLACEMENT PROJECT

DRAWING INDEX, ABBREVIATIONS AND SYMBOLS



11060 White Rock Road, Suite 200
Rancho Cordova, CA 95670

JOB #:	----
DATE:	4/18/2023
SCALE:	
DRAWN:	A.GUTIERREZ
DESIGN:	D.RICHARD
CHK'D:	D.RICHARD

SHEET
NUMBER

FINAL

G0.20

X

X

X

X

PLOTTED: 04/18/2023 17:38 - PLOTTED BY: Aquilance
 D:\WORK\LA\20151511 - Hocking Street Sewer Replaces - Picoaville\400 Project Design Files\Plans\G0.30 - Construction Notes.dwg

GENERAL NOTES:

- ALL CONSTRUCTION WORK AND INSTALLATION SHALL CONFORM TO THE STATE OF CALIFORNIA STANDARD CONSTRUCTION SPECIFICATIONS AND ALL OF ITS DRAWINGS, LATEST EDITION. ALL WORK IS SUBJECT TO THE APPROVAL OF THE ENGINEER.
- TOPOGRAPHIC MAPPING IS BASED UPON SURVEY DATED JANUARY 23, 2023 BY R.E.Y., AERIAL PHOTO TAKEN IN JULY 2020.
- THE BASELINES SHOWN ON THE DRAWINGS ARE THE CONSTRUCTION REFERENCE LINE ESTABLISHED FOR THIS PROJECT. THE CITY SHALL ESTABLISH, THE BASELINES AND ANY OFFSETS REQUIRED, UTILIZING THE REFERENCED MONUMENTATION.
- NOTIFICATION OF UNDERGROUND SERVICE ALERT (U.S.A.) IS REQUIRED A MINIMUM OF 48 HOURS IN ADVANCE OF BEGINNING ALL EXCAVATION WORK.
- UTILITY INFORMATION WAS COMPILED FROM DATA PROVIDED BY THE UTILITY OWNERS AND LOCATIONS ARE APPROXIMATE. CONTRACTOR SHALL EXPOSE AND VERIFY THE ACTUAL LOCATION AND ELEVATION OF ALL EXISTING UTILITIES IN THE CONSTRUCTION AREA. THE ELEVATION AND LOCATION DATA SHALL BE SUBMITTED TO THE ENGINEER PRIOR TO COMMENCING CONSTRUCTION. CONTRACTOR SHALL ANTICIPATE, AND ALLOW TIME FOR, NECESSARY RELOCATIONS. ALL EXISTING UNDERGROUND AND OVERHEAD UTILITIES SHALL BE PROTECTED FROM CONSTRUCTION EQUIPMENT AND OPERATIONS.
- UTILITY RELOCATION REQUIRED FOR THE CONSTRUCTION OF THESE FACILITIES WILL BE PERFORMED BY THE UTILITY COMPANY, UNLESS OTHERWISE NOTED.
- TEMPORARY OR PERMANENT RELOCATION OR ALTERATION OF UTILITIES REQUESTED BY CONTRACTOR FOR THEIR CONVENIENCE SHALL BE THEIR RESPONSIBILITY AND THEY SHALL MAKE ALL ARRANGEMENTS AND BEAR ALL COSTS.
- FOR ALL TRENCH EXCAVATIONS FIVE FEET OR MORE IN DEPTH, CONTRACTOR SHALL OBTAIN A PERMIT FROM CAL OSHA (1750 HOWE AVE, SUITE 430, SACRAMENTO CA (916) 263-2800) PRIOR TO BEGGING ANY EXCAVATION. A COPY OF THIS PERMIT SHALL BE AVAILABLE AT THE CONSTRUCTION SITE AT ALL TIMES.
- CONTRACTOR SHALL BE SOLELY AND COMPLETELY RESPONSIBLE FOR FURNISHING, INSTALLING AND MAINTAINING ALL WARNING SIGNS AND DEVICES NECESSARY TO SAFEGUARD THE GENERAL PUBLIC AND THE WORK AND TO PROVIDE FOR THE PROPER AND SAFE ROUTING OF VEHICULAR AND PEDESTRIAN TRAFFIC DURING THE PERFORMANCE OF THE WORK.
- ALL MANHOLE RIM AND INLET ELEVATIONS ARE APPROXIMATE AND SHOWN FOR BID ESTIMATION ONLY. MANHOLE RIMS, VALVE AND CLEANOUT BOX LIDS, AND DRAIN INLET FRAMES SHALL BE SET TO MATCH EXISTING PROFILES UNLESS NOTED OTHERWISE.
- ALL PAVEMENT MARKINGS DISTRIBUTED SHALL BE REPLACED, TO THE SATISFACTION OF THE CITY, AT NO EXTRA COST.
- CONTRACTOR SHALL PROTECT ADJACENT IMPROVEMENTS, INCLUDING BUT NOT LIMITED TO PAVEMENT, FROM INJURY OR DAMAGE. CONTRACTOR SHALL UTILIZE SUITABLE SAFEGUARDS TO PROTECT ADJACENT IMPROVEMENTS FROM INJURY OR DAMAGE. IF SUCH IMPROVEMENTS ARE INJURED OR DAMAGED BY REASON OF CONTRACTOR'S OPERATIONS, THEY SHALL BE REPLACED OR RESTORED TO A CONDITION AS GOOD AS WHEN CONTRACTOR ENTERED UPON THE WORK, AND ALL EXPENSES OF WHATEVER NATURE ARISING FROM SUCH DAMAGE SHALL BE BORNE BY CONTRACTOR.
- THE EXISTING PAVEMENT ON THE PROJECT ROADS IS MORE THAN 5 YEARS OLD.
- HMA PAVING THICKNESS TO BE 3" UNLESS OTHERWISE NOTED.
- NO CHANGE TO THE PROJECT IMPROVEMENT PLANS SHALL BE PERMITTED WITHOUT PRIOR APPROVAL BY THE CITY AND DESIGN ENGINEER.
- ALL SURPLUS AND UNSUITABLE MATERIAL SHALL BE REMOVED FROM PUBLIC RIGHT OF WAY.
- CONTRACTOR SHALL PROVIDE ADEQUATE DUST CONTROL AND KEEP MUD AND DEBRIS OFF THE PUBLIC RIGHT OF WAY AT ALL TIMES.
- OVERNIGHT PARKING OF CONSTRUCTION EQUIPMENTS IN THE PUBLIC RIGHT OF WAY SHALL NOT BE PERMITTED, EXCEPT AT LOCATION(S) APPROVED BY THE CITY.
- CONTRACTOR IS RESPONSIBLE FOR SITE SAFETY, ALL EXCAVATIONS SHALL BE PLATED WITH NON-SKID PLATES WHEN INACTIVE. BARRICADES WITH LIGHTS SHALL DELINEATE CONSTRUCTION ZONE.
- CONTRACTOR SHALL PROVIDE RESIDENTS AND BUSINESSES NOTICE OF ANY SANITARY SEWER SHUT DOWNS IN ACCORDANCE WITH SPECIFICATIONS.
- CONTRACTOR SHALL RESTORE SURFACE TO PRE-CONSTRUCTION CONDITIONS.
- CONTRACTOR SHALL EXCAVATE AND EXPOSE ALL UTILITY CROSSINGS OR CONNECTIONS AFFECTED BY THE WORK. ALL EXISTING UTILITIES SHALL BE ADEQUATELY SUPPORTED AND PROTECTED TO THE SATISFACTION OF THE CITY. IN THE EVENT OF DAMAGE TO ANY UTILITY OCCASIONED BY CONTRACTOR OPERATIONS, CONTRACTOR, AT HIS SOLE COST AND EXPENSE WILL IMMEDIATELY CAUSE REPAIRS TO BE MADE TO THE SATISFACTION OF THE AFFECTED UTILITY. NOTIFY THE ENGINEER OF ANY ADJUSTMENTS NECESSITATED BY WAY OF CONFLICT WITH EXISTING UTILITIES.
- CONTRACTOR SHALL EXERCISE DUE CARE AND CONCERN TO AVOID DAMAGE TO EXISTING FACILITIES, IMPROVEMENTS, UTILITIES, AND PROPERTY. CONTRACTOR TO REPLACE OR RESTORE TO INITIAL CONDITIONS ANY FACILITIES, IMPROVEMENTS, UTILITIES, OR OTHER PROPERTY DAMAGE OR DISTURBED AS A RESULT OF CONSTRUCTION.
- CONTRACTOR TO MAINTAIN A MEANS OF ACCESS TO PROPERTIES, DRIVEWAYS AND DWELLINGS AT ALL TIMES.

POTHOLING NOTES:

- CONTRACTOR SHALL POTHOLE ALL UTILITIES THAT MAY CONFLICT WITH SEWER ALIGNMENT AS FIRST ORDER OF WORK AND PRIOR TO EXCAVATING AS DESCRIBED BELOW. POTHOLING DATA SHALL BE SUBMITTED TO THE CITY A MINIMUM OF ONE WEEK PRIOR TO THE SCHEDULED EXCAVATION AT EACH LOCATION:
 - OPEN TRENCH EXCAVATION LOCATIONS: CONTRACTOR SHALL POTHOLE ALL UTILITIES THAT MAY CONFLICT WITH THE SEWER ALIGNMENT PRIOR TO EXCAVATING. AT A MINIMUM, THIS INCLUDES ANY UNDERGROUND GAS, WATER, ELECTRICAL AND FIBER OPTIC CABLE CROSSING THE SEWER.
 - PIPE BURSTING LOCATIONS: CONTRACTOR SHALL POTHOLE ALL UTILITIES THAT MAY CONFLICT WITH THE SEWER ALIGNMENT PRIOR TO EXCAVATING. ALL UTILITIES WITHIN 3 FEET OF THE SEWER SHALL BE POTHOLED AND EXPOSED DURING BURSTING OPERATION. AT A MINIMUM. THIS INCLUDES ANY UNDERGROUND GAS, ELECTRICAL AND FIBER OPTIC CABLE, CONTRACTOR SHALL POTHOLE AND EXPOSE THE WATER MAIN WHERE IT IS WITHIN 5 FEET OF THE SEWER MAIN.

LIMITED SITE ACCESS:

- SITE ACCESS IS EXTREMELY LIMITED IN LOCATIONS WHERE WORK IS OCCURRING IN SIDE YARDS, BACKYARDS, AND OUTSIDE OF THE STREET RIGHT OF WAY, ACCESS IS GENERALLY LIMITED TO FOOT TRAFFIC AND HANDHELD EQUIPMENT AT THESE LOCATIONS. CONTRACTOR SHALL VISIT ALL SITES AND OBSERVE EXISTING CONDITIONS FROM THE STREET RIGHT OF WAY DURING BIDDING TO REVIEW PROJECT LOCATIONS AND ACCESS RESTRICTIONS. CONTRACTOR SHALL CONSIDER ACCESS ISSUES AND LIMITATIONS WHEN BIDDING. NO ADDITIONAL COMPENSATION WILL BE MADE FOR DIFFICULT AND LIMITED SITE ACCESS ISSUES.
- THE CITY WILL PROVIDE CONTRACTOR WITH A LIST OF ALL PROPERTIES WHERE RIGHT OF ENTRY AGREEMENT HAVE BEEN OBTAINED.
- IF CONTRACTOR IDENTIFIES ADDITIONAL PRIVATE PROPERTIES WHERE ACCESS IS NEEDED AND RIGHT OF ENTRY AGREEMENT HAVE NOT BEEN OBTAINED, CONTRACTOR SHALL NOTIFY THE CITY 30 DAYS PRIOR TO SCHEDULED WORK WITHIN THE PRIVATE PROPERTY.

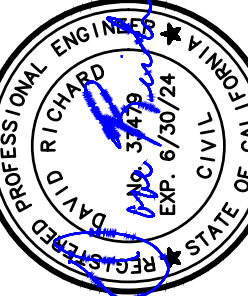
WORK WITH EASEMENT AND PRIVATE PROPERTIES:

GENERAL PIPELINE NOTES:

- INDIVIDUAL SANITARY SEWER LATERALS ARE SHOWN TO THE EXTENT OBSERVED IN CCTV INSPECTION. STATIONING IS BASED ON VIDEO LOG DISTANCE AND PROJECT CONTROL LINE. ADDITIONAL LATERALS MAY EXIST BUT WERE NOT OBSERVED DURING CCTV INSPECTION. CONTRACTOR SHALL LOCATE ALL EXISTING LATERALS BEFORE CONSTRUCTION.
- PIPE LENGTHS AND DISTANCES IDENTIFIED ON THESE PLANS ARE HORIZONTAL LENGTHS. ACTUAL LENGTHS MAY VARY. CONTRACTOR WILL BE PAID BY THE HORIZONTAL DISTANCE AS IDENTIFIED ON THE PLANS AND SHOWN ON THE BID TAB.
- EXISTING SEWER MAINS AND MANHOLES MAY BE SURCHARGED AND CONTAIN DEBRIS. SLUDGE, ROOTS, GREASE, ETC. CONTRACTOR IS RESPONSIBLE FOR DEWATERING, CLEANING, REMOVING AND DISPOSING OF ALL ITEMS WITHIN THE SEWER SYSTEM WHERE WORK IS TO OCCUR.

PIPE BURSTING NOTES:

- CONTRACTOR SHALL POTHOLE UTILITIES PRIOR TO BURSTING. CONTRACTOR SHALL NOTIFY ENGINEER IF ANY UTILITIES ARE WITHIN 3 FEET OF THE SEWER MAIN.
- CONTRACTOR SHALL CONFIRM LOCATION OF LATERALS DURING CCTV INSPECTION AND MARK LOCATIONS PRIOR TO BURSTING SEWER MAIN. CONTRACTOR SHALL COORDINATE WITH CITY INSPECTOR ANY LOCATIONS WITH SIGNIFICANT ISSUES THAT WOULD PREVENT RESTORING THE SITE TO PRE-CONSTRUCTION CONDITIONS.
- CONTRACTOR SHALL REPAIR COLLAPSED SEWER, SEWER BREAKS, AND LATERAL TAP BREAKING THAT MAY INTERFERE WITH INSTALLATION OF THE NEW SEWER MAIN PRIOR TO BURSTING.
- CONTRACTOR SHALL CONFIRM ALL EXISTING PIPE MATERIALS, PIPE DIMENSIONS, AND SITE CONDITIONS PRIOR TO ORDERING MATERIALS FOR THE PROPOSED IMPROVEMENTS. CONTRACTOR SHALL CONFIRM THAT THE EXISTING CONDITIONS ARE CONDUCIVE TO PIPE BURSTING.



REVISIONS		APPROVED
NO.	DESCRIPTIONS	DATE

HOCKING STREET
SEWER MAIN REPLACEMENT PROJECT

CONSTRUCTION NOTES



11060 White Rock Road, Suite 200
Rancho Cordova, CA 95670

JOB #:	----
DATE:	4/18/2023
SCALE:	
DRAWN:	A.GUTIERREZ
DESIGN:	D.RICHARD
CHK'D:	D.RICHARD

SHEET
NUMBER

FINAL

G0.30



PLAN

SCALE: 1"= 30'

KEY NOTES:

1. CITY HAS OBTAINED RIGHT OF ENTRY TO EID PROPERTY.
2. CONTRACTOR SHALL CONSTRUCT ALL-WEATHER ACCESS ROAD TO STAGING AREA.
3. CONTRACTOR SHALL MAINTAIN ACCESS TO PRIVATE RESIDENCES THROUGH PROPOSED STAGING AREA.
4. CONTRACTOR SHALL LOCATE EXISTING 6" SEWER AND PROTECT IN PLACE.
5. CONTRACTOR SHALL LOCATE EXISTING 2" WATER ADJACENT TO PRIVATE ROAD. VEHICLE TRAFFIC OVER 2" WATER IS PROHIBITED.

LEGEND

-  — EXISTING SANITARY SEWER
-  — SERVICE LATERALS
-  — PIPE BURSTING SECTION 1
-  — PUBLIC UTILITY EASEMENT
-  — PIPE BURSTING SECTION 2
-  — LAYOUT/STAGING AREA
-  — PUSH/PULL PIT
-  — RESTRICTED VEHICLE ZONE
-  — STAGING AREA

BURSTING SEQUENCE:

STAGE 1: PUSH FROM SSC0-2852 AND PULL FROM SSC0-2830.

STAGE 2: PUSH FROM SSC0-2852 AND PULL FROM SSMH-2626.

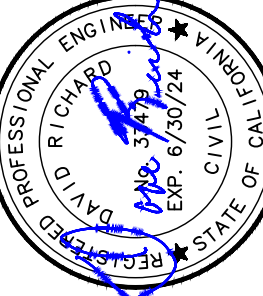
BYPASS PUMPING REQUIREMENT:

STAGE 1: BYPASS PUMP FROM SSMH-1604 TO SSMH-1601 SEWER IN HOCKING STREET.

STAGE 2: BYPASS PUMP DOWN STREAM OF 2844 HOCKING STREET TO SSMH-2628.

REPLACEMENT OF 4" SEWER DOWNSTREAM OF SSMH-2626: BYPASS PUMP FROM SSMH-2626 TO SSMH-2628

FINAL



NO.	REVISIONS	DATE	APPROVED
	DESCRIPTIONS		

HOCKING STREET
SEWER MAIN REPLACEMENT PROJECT
STAGING AREA
AND BYPASS PUMPING REQUIREMENT

Dewberry®
11060 White Rock Road, Suite 200
Rancho Cordova, CA 95670

JOB #1: ----
DATE: 4/18/2023
SCALE: ----
DRAWN: A.GUTIERREZ
DESIGN: D.RICHARD
CHK'D: D.RICHARD

SHEET
NUMBER

G0.40

PLOTTED: 04/18/2023 17:29 PLOTTED BY: Audrenee
D:\NAME: L:\015111 - Hocking Street Sewer Replace - Picasville\400 Project Design Files\405 Water\Plans\C1.00 - Sewer Improvements - Site Plan, Key Map, and Summary of Work.dwg



KEY NOTES:

1. FOR PAVING IMPROVEMENTS SEE SHEET C2.00.
2. FOR DRAINAGE IMPROVEMENTS SEE SHEET C2.01.

SUMMARY OF SEWER IMPROVEMENTS:

1. PIPE BURSTING:
 - A. PIPE BURST EXISTING 4-INCH SEWER TO 6-INCH BETWEEN 2830-2872 HOCKING STREET.
 - B. RE-CONNECT CLEANOUT AND RESIDENTIAL SERVICE LATERALS BETWEEN 2830-2872 HOCKING STREET.
 - C. CONSTRUCT NEW RESIDENTIAL SERVICE LATERALS AT 2838 AND 2868 HOCKING STREET. LATERAL ALIGNMENT TO AVOID CONFLICTS WITH EXISTING STRUCTURES (POOL, SHED).
 - D. INSTALL FLUSHER BRANCH AT 2826 HOCKING STREET.
2. SEWER REPLACEMENT:
 - A. REMOVE AND REPLACE 4-INCH SEWER WITH 6-INCH SEWER DOWNSTREAM OF SSMH-2626.
 - B. REPLACE SEWER CLEANOUT WITH SEWER MANHOLE AND RE-CONNECT 6-INCH SEWER, DOWNSTREAM OF SSMH-2626
 - C. PROTECT EXISTING SEWER CLEAN-OUT AND RE-CONNECT 6-INCH SEWER AT STA 0+03
3. SEWER RE-ROUTING:
 - A. EXTEND 6-INCH SEWER FROM SSMH-1604 TO SSMH-1601.
 - B. PLUG 4-INCH SEWER AT SSMH-1604.
4. SEWER POINT REPAIRS:
 - A. CONSTRUCT SPOT REPAIRS BETWEEN STA 7+92 - STA 7+96
 - B. CURED IN PLACE LINER FROM STA 5+94 - STA 8+46
 - C. INSTALL FLUSHER BRANCH AT UPSTREAM END OF 4-INCH SEWER NEAR 2811 HOCKING STREET

FINAL



NO.	REVISIONS	DATE	APPROVED
	DESCRIPTIONS		

HOCKING STREET SEWER MAIN REPLACEMENT PROJECT
SEWER IMPROVEMENTS SITE PLAN, KEY MAP, AND SUMMARY OF WORK

Dewberry®
11060 White Rock Road, Suite 200
Rancho Cordova, CA 95670

JOB #:	----
DATE:	4/18/2023
SCALE:	
DRAWN:	A.GUTIERREZ
DESIGN:	D.RICHARD
CHK D:	D.RICHARD

SHEET
NUMBER

C1.00

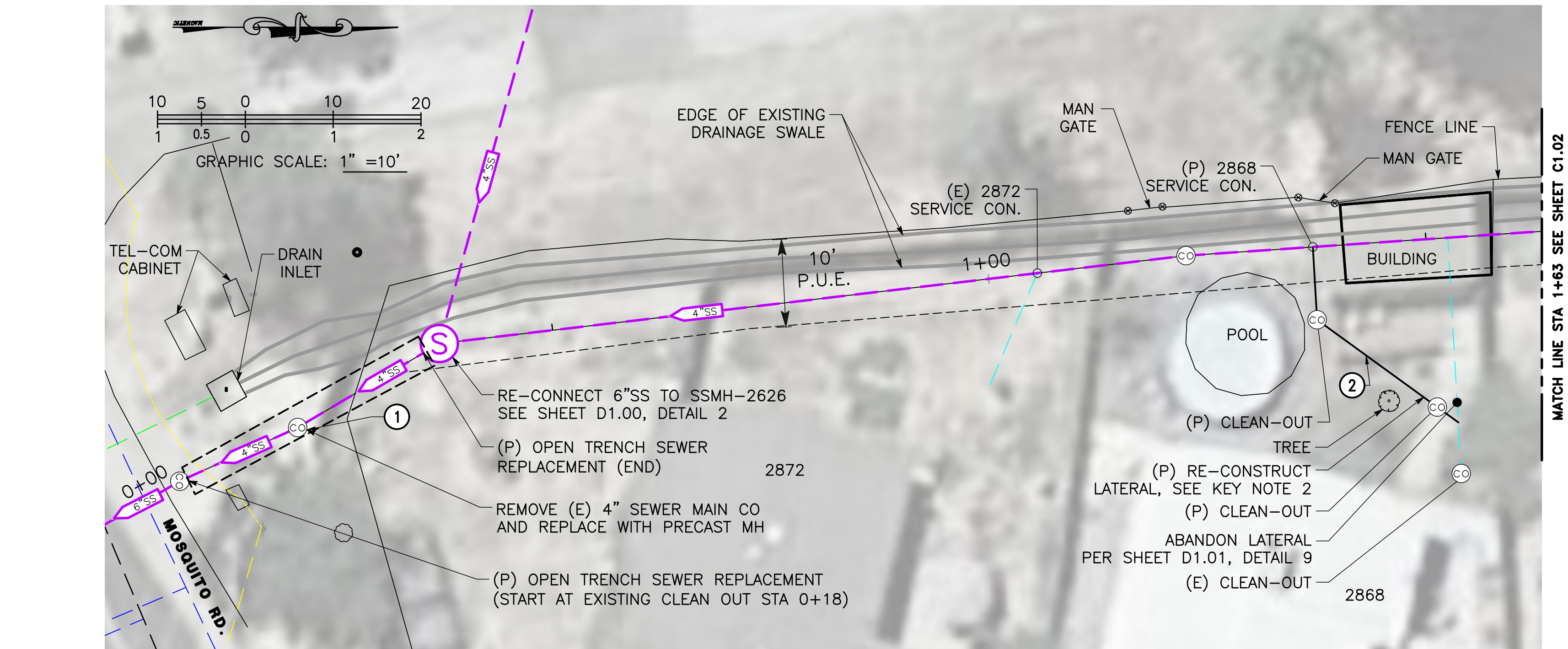
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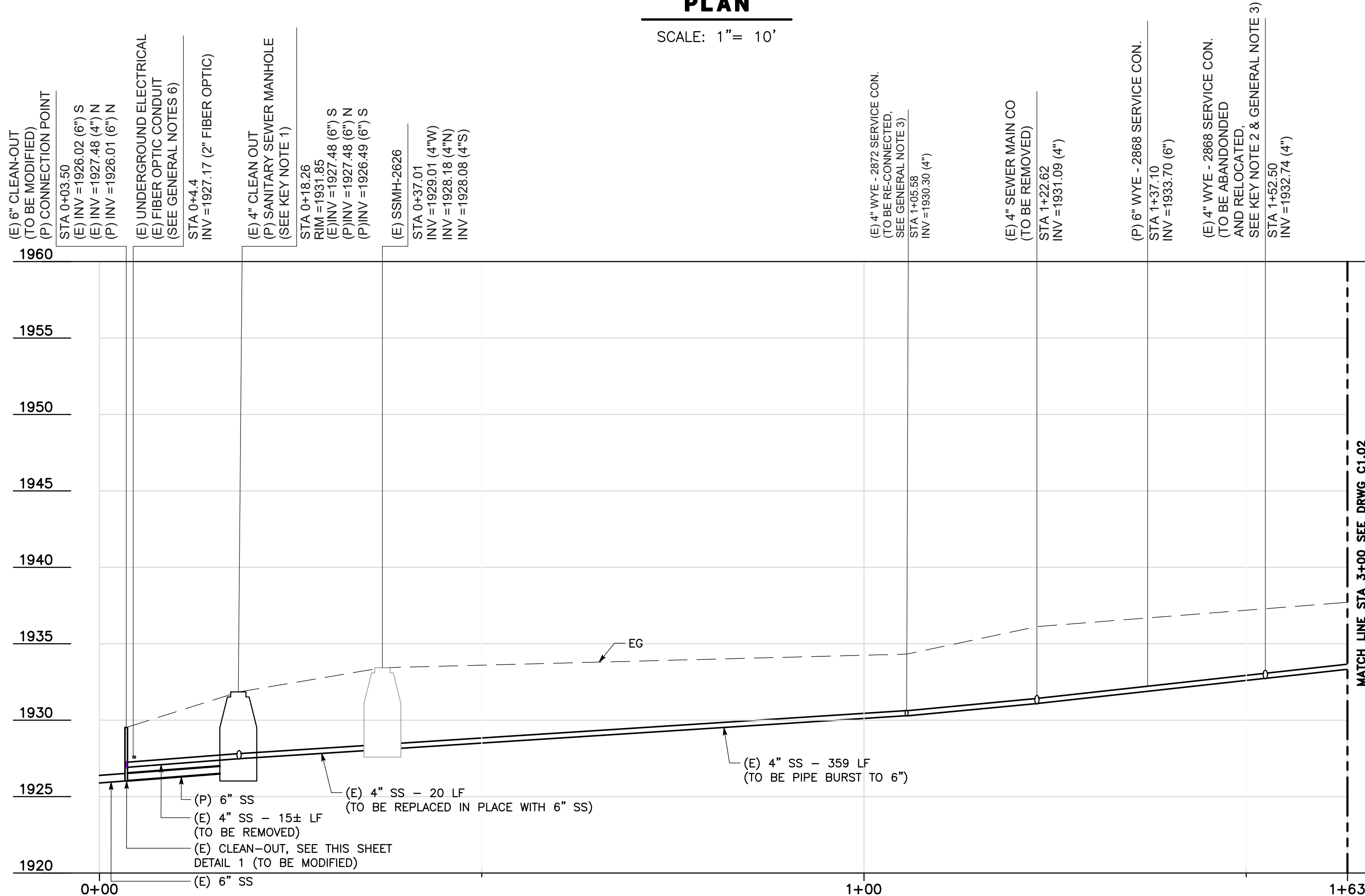
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x



PLAN

SCALE: 1"= 10'



PROFILE

HORZ SCALE: 1"= 10'
 VERT SCALE: 1"= 5'

LEGEND

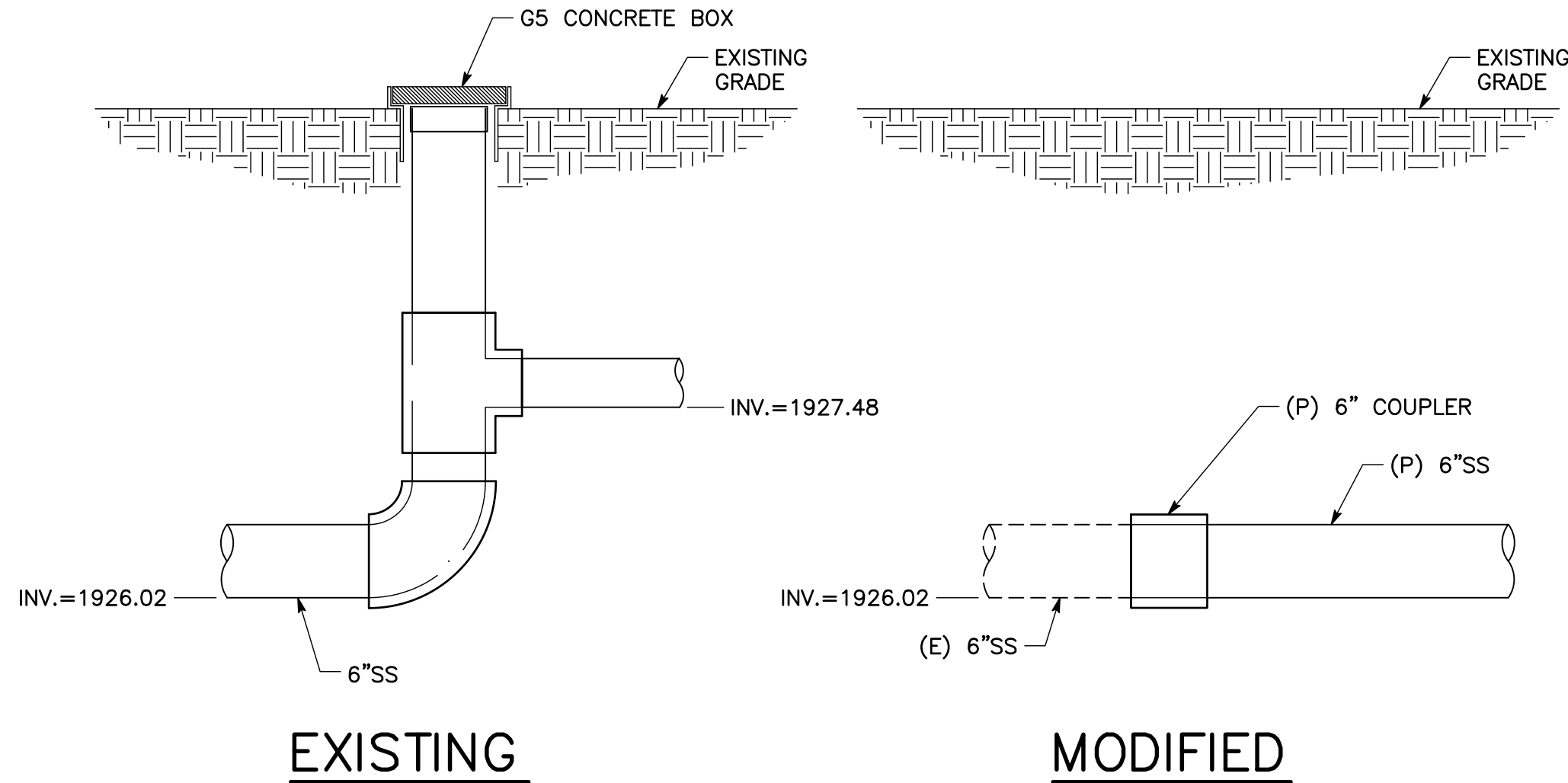
- EXISTING SANITARY SEWER MAIN
- SANITARY SEWER SERVICE LATERAL
- STORM DRAIN LINE
- OVERHEAD ELECTRICAL LINE
- JOINT TRENCH (UNDERGROUND ELECTRICAL & FIBER OPTIC)
- WATER LINE

KEY NOTES:

- REPLACE CLEANOUT WITH PRE-CAST MANHOLE, SEE SHEET D1.01, DETAIL 5.
- CONTRACTOR TO POTHOLE TO DETERMINE LOCATION OF EXISTING LATERAL, SIZE, AND MATERIALS. CONTRACTOR SHALL INTERCEPT LATERAL AND RE-ROUTE TO 6"SS MAINLINE. CONTRACTOR SHALL CONNECT SERVICE LATERAL TO MAINLINE PER SHEET D1.00, DETAIL 4. CONTRACTOR SHALL RESTORE PRIVATE IMPROVEMENTS DAMAGED DURING CONSTRUCTION TO PRE-PROJECT CONDITIONS.

GENERAL NOTES:

- EXISTING LATERAL LOCATIONS SHOWN ON THE PLANS ARE APPROXIMATE BASED ON CCTV INSPECTION.
- FOR PIPE TRENCH DETAIL FOR SEWER REPLACEMENT, SEE SHEET D1.00, DETAIL 1.
- FOLLOWING PIPE BURSTING, CONTRACTOR SHALL RE-CONNECT EXISTING SERVICE LATERALS WITH TEMPORARY CONNECTION DURING RELAXATION PERIOD OF PIPE BURSTING, SEE SHEET D1.00, DETAIL 4.
- FOR DRAINAGE IMPROVEMENTS, SEE SHEET C2.02.
- FOR CLEAN-OUT, SEE SHEET D1.00, DETAIL 3
- CONTRACTOR SHALL POTHOLE AND DETERMINE LOCATION OF UNDERGROUND ELECTRICAL AND FIBER OPTIC. CONTRACTOR TO PROTECT IN PLACE DURING SEWER REMOVAL AND REPLACEMENT. PROVIDE 12" MINIMUM CLEARANCE AT SEWER CROSSING.



NOTES:

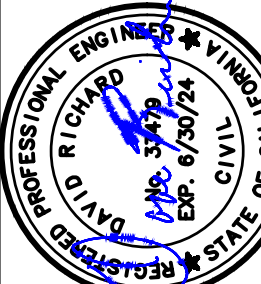
- CUT EXISTING 6"SS, 2-FT DOWNSTREAM OF EXISTING CLEAN-OUT. REMOVE 4"SS UPSTREAM OF EXISTING CLEAN-OUT.
- REMOVE EXISTING CLEAN-OUT AND RE-CONNECT 6" SEWER AS SHOWN.

MODIFICATION OF
EXISTING CLEAN-OUT DETAIL

SCALE: NOT TO SCALE

1
VAR

FINAL



NO.	REVISIONS	DATE	APPROVED
	DESCRIPTIONS		

HOCKING STREET
SEWER MAIN REPLACEMENT PROJECT

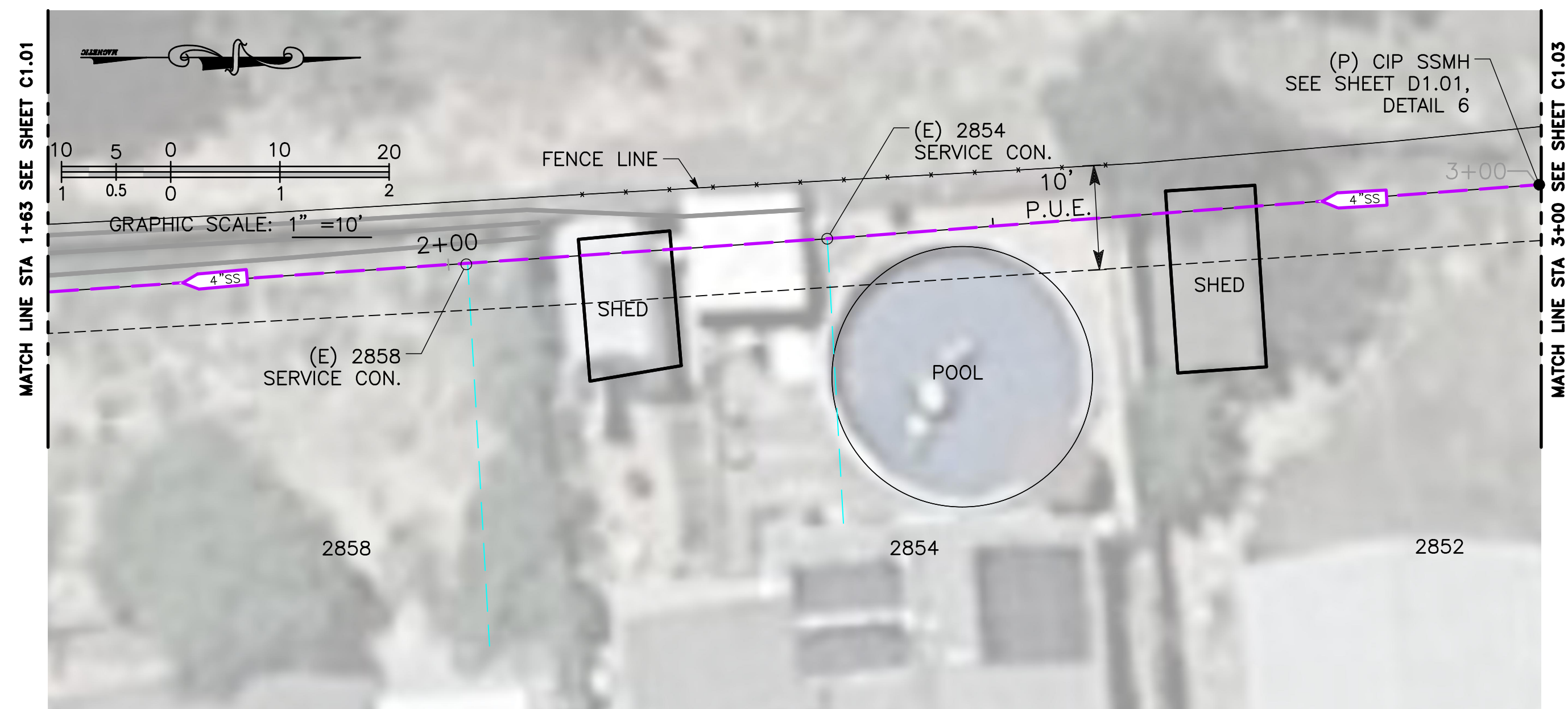
SEWER IMPROVEMENTS
PLAN & PROFILE – NO. 1

Dewberry
 11060 White Rock Road, Suite 200
 Rancho Cordova, CA 95670

JOB #: ---
 DATE: 4/18/2023
 SCALE:
 DRAWN: A.GUTIERREZ
 DESIGN: D.RICHARD
 CHK'D: D.RICHARD

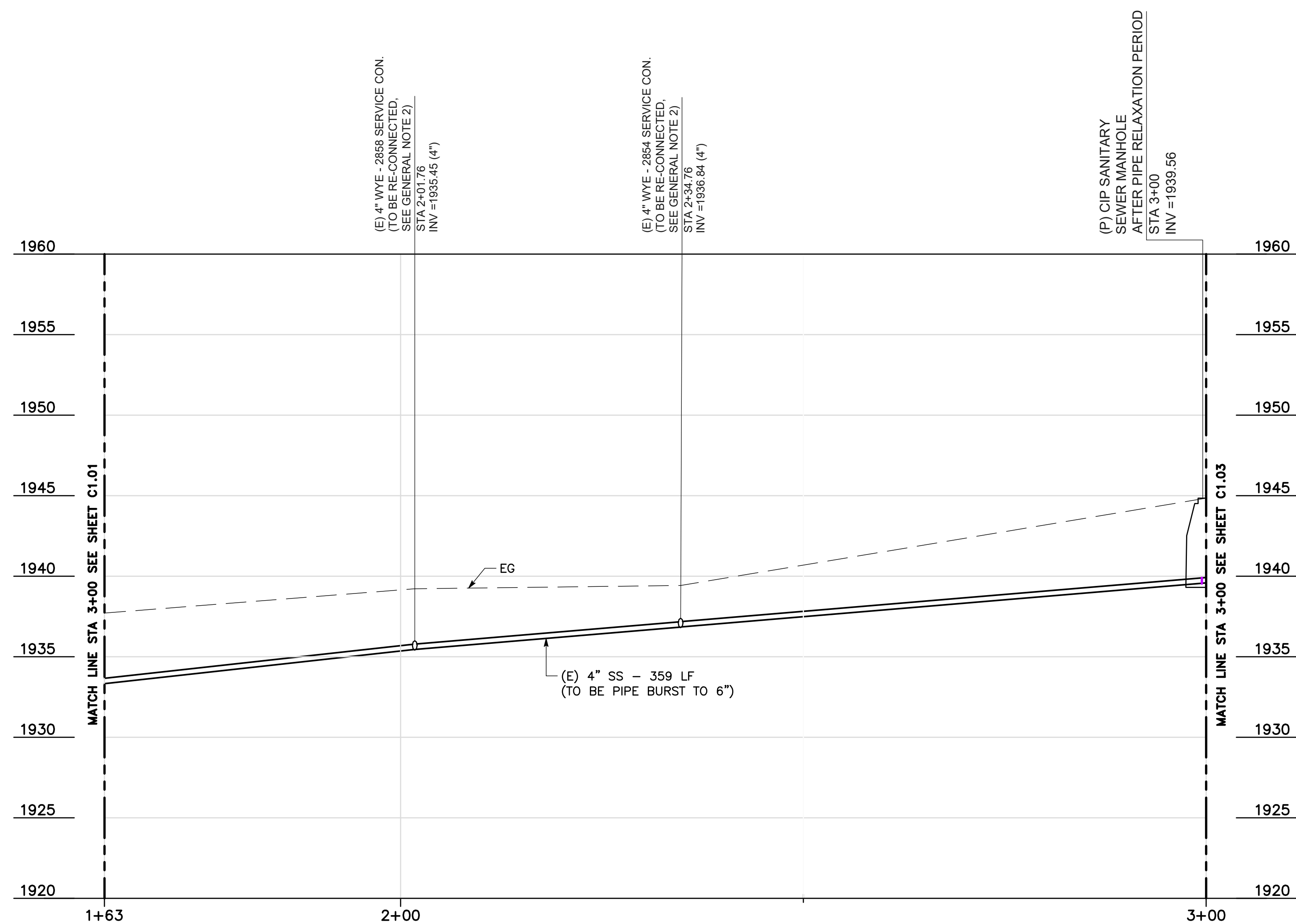
SHEET
NUMBER

C1.01



PLAN

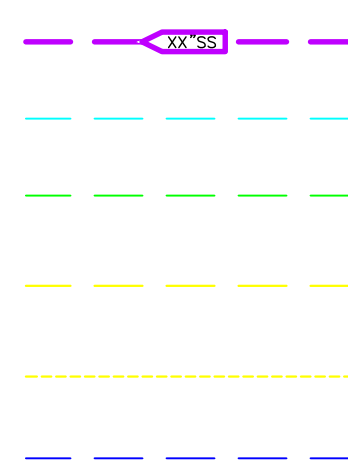
SCALE: 1"= 10'



PROFILE

HORZ SCALE: 1" = 10'
VERT SCALE: 1" = 5'

- LEGEND



- EXISTING SANITARY SEWER MAIN
- SANITARY SEWER SERVICE LATERAL
- STORM DRAIN LINE
- OVERHEAD ELECTRICAL LINE
- UNDERGROUND ELECTRICAL
- WATER LINE

GENERAL NOTES:

1. EXISTING LATERAL LOCATIONS SHOWN ON THE PLANS ARE APPROXIMATE BASED ON CCTV INSPECTION.
2. FOLLOWING PIPE BURSTING, CONTRACTOR SHALL RE-CONNECT EXISTING SERVICE LATERALS WITH TEMPORARY CONNECTION DURING RELAXATION PERIOD OF PIPE BURSTING, SEE SHEET D1.00, DETAIL 4.

REVISIONS			
NO.	DESCRIPTIONS	DATE	APPROVED
			

HOCKING STREET
SEWER MAIN REPLACEMENT PROJECT
SEWER IMPROVEMENTS
PLAN & PROFILE – NO. 2



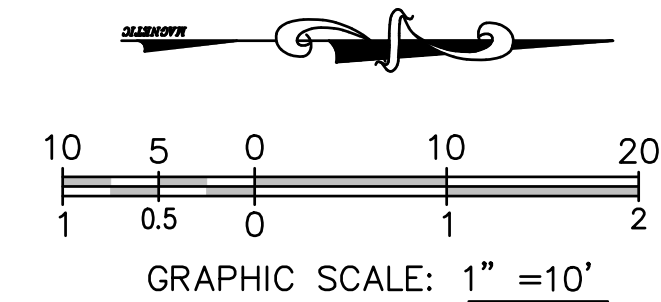
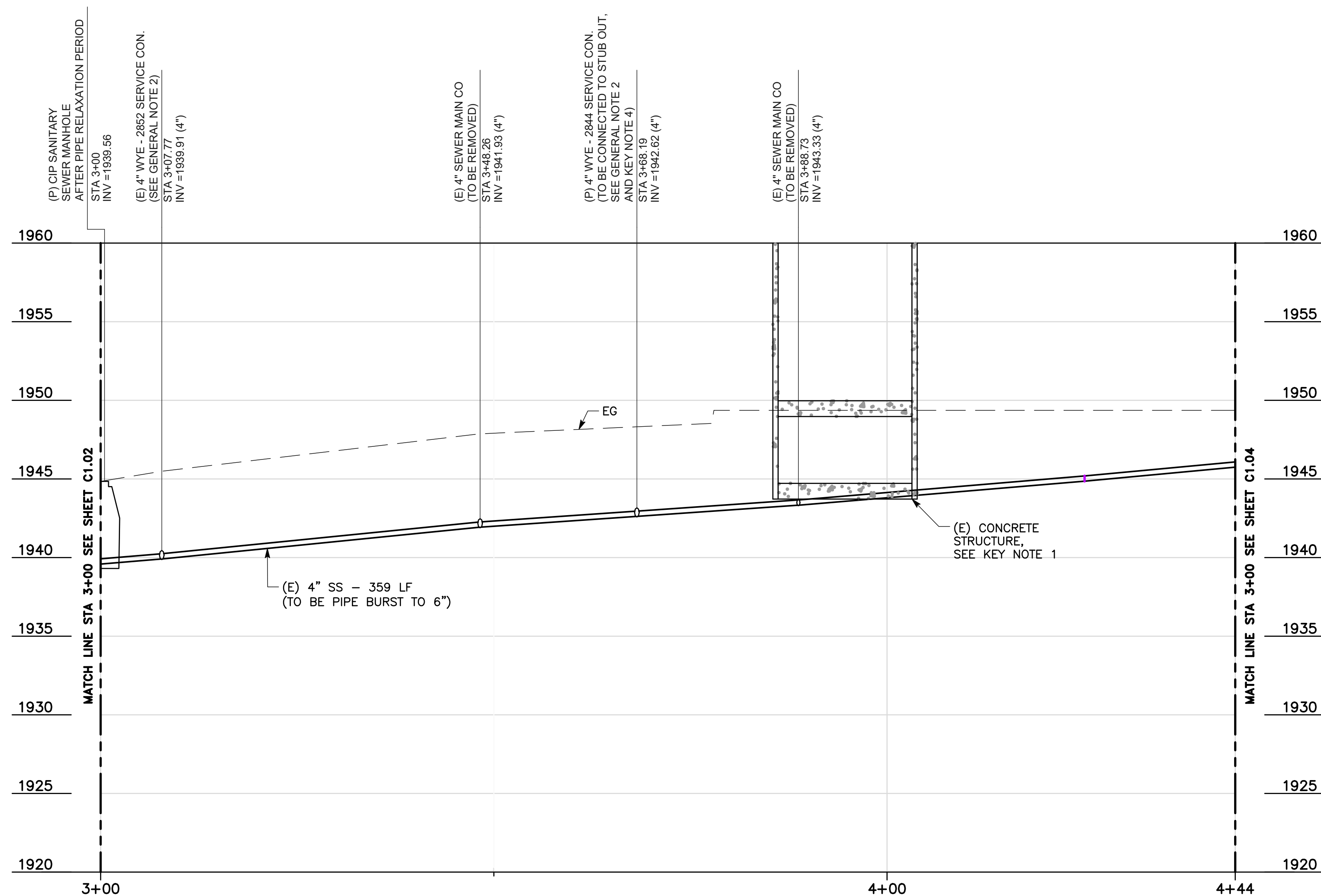
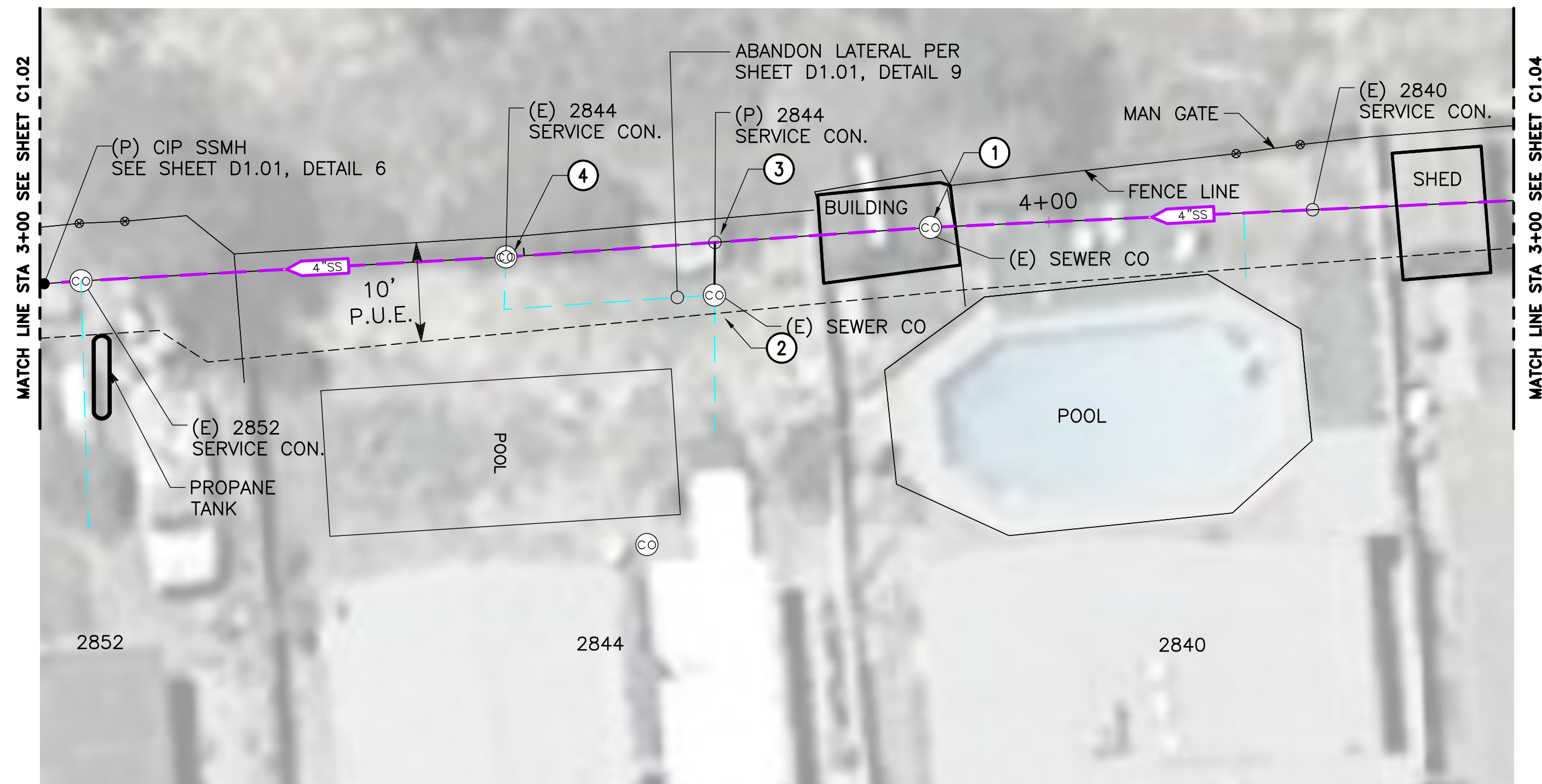
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 11060 White Rock Road, Suite 200
 Rancho Cordova, CA 95670

JOB #:	----
DATE:	4/18/2023
SCALE:	
DRAWN:	A.GUTIERREZ
DESIGN:	D.RICHARD
CHK'D:	D.RICHARD

SHEET
NUMBER

C1.02

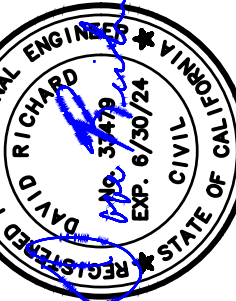
FINAL



- GENERAL NOTES:

1. EXISTING LATERAL LOCATIONS SHOWN ON THE PLANS ARE APPROXIMATE BASED ON CCTV INSPECTION.
2. FOLLOWING PIPE BURSTING, CONTRACTOR SHALL RE-CONNECT EXISTING SERVICE LATERALS WITH TEMPORARY CONNECTION DURING RELAXATION PERIOD OF PIPE BURSTING, SEE SHEET D1.00, DETAIL 4.
3. SEWER CLEANOUT SHALL BE PER SHEET D1.00, DETAIL 3.

- ① EXISTING MAINLINE ENCASED IN CONCRETE BENEATH STRUCTURE. CONCRETE DEBRIS PRESENT ABOVE MAINLINE. CONTRACTOR TO REMOVE AND REPLACE 4" SEWER ENCASED IN CONCRETE PRIOR TO PIPE BURSTING MAINLINE.
- ② CONTRACTOR SHALL POTHOLE TO VERIFY EXACT LOCATION OF CLEAN-OUT.
- ③ CONNECT TO (E) SS LATERAL STUB-OUT.
- ④ ABANDON LATERAL CONNECTION PER SHEET D1.01, DETAIL 9



NO.	DESCRIPTIONS	DATE	APPROVED
			

SEWER MAIN REPLACEMENT PROJECT
HOCKING STREET

SEWER IMPROVEMENTS
PLAN & PROFILE – NO. 3

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 Rancho Cordova, CA 95670

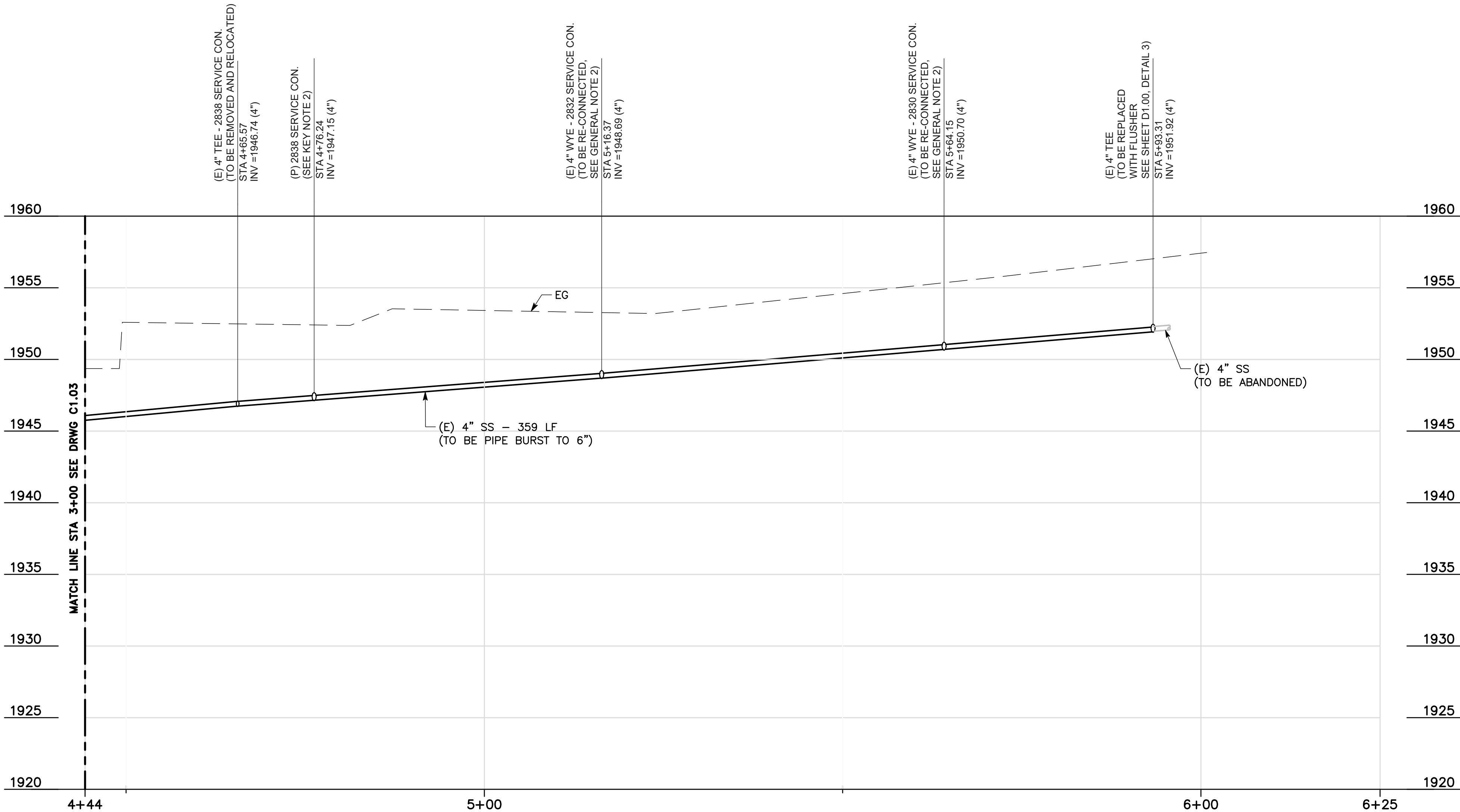
SHEET
NUMBER

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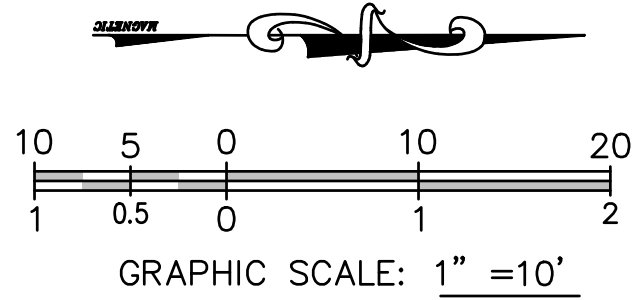
PLAN

SCALE: 1"= 10'



PROFILE

HORZ SCALE: 1"= 10'
VERT SCALE: 1"= 5'



LEGEND

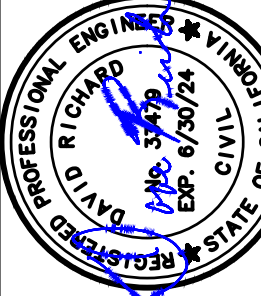
- XX-SS --- EXISTING SANITARY SEWER MAIN
- - - - - SANITARY SEWER SERVICE LATERAL

GENERAL NOTES:

- EXISTING LATERAL LOCATIONS SHOWN ON THE PLANS ARE APPROXIMATE BASED ON CCTV INSPECTION.
- FOLLOWING PIPE BURSTING, CONTRACTOR SHALL RE-CONNECT EXISTING SERVICE LATERALS WITH TEMPORARY CONNECTION DURING RELAXATION PERIOD OF PIPE BURSTING, SEE SHEET D1.00, DETAIL 4.
- SEWER CLEAN-OUT SHALL BE PER SHEET D1.01, DETAIL 3.

KEY NOTES:

- CONTRACTOR TO POTHOLE TO DETERMINE LOCATION OF EXISTING LATERAL, SIZE, AND MATERIALS. CONTRACTOR SHALL INTERCEPT LATERAL AND RE-ROUTE TO 6"SS MAINLINE. CONTRACTOR SHALL CONNECT SERVICE LATERAL TO MAINLINE PER SHEET D1.00, DETAIL 4. CONTRACTOR SHALL RESTORE PRIVATE IMPROVEMENTS DAMAGED DURING CONSTRUCTION TO PRE-PROJECT CONDITIONS.



NO.	REVISIONS	DATE	APPROVED
	DESCRIPTIONS		

HOCKING STREET
SEWER MAIN REPLACEMENT PROJECT
SEWER IMPROVEMENTS
PLAN & PROFILE - NO. 4

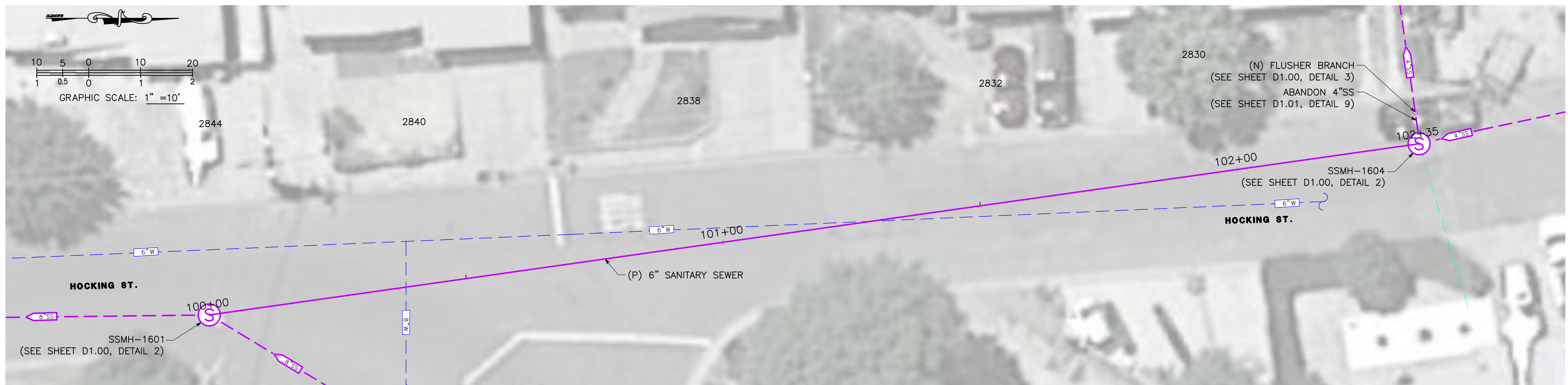
Dewberry®
11060 White Rock Road, Suite 200
Rancho Cordova, CA 95670

JOB #: ---
DATE: 4/18/2023
SCALE:
DRAWN: A.GUTIERREZ
DESIGN: D.RICHARD
CHK D: D.RICHARD

SHEET
NUMBER

C1.04

FINAL

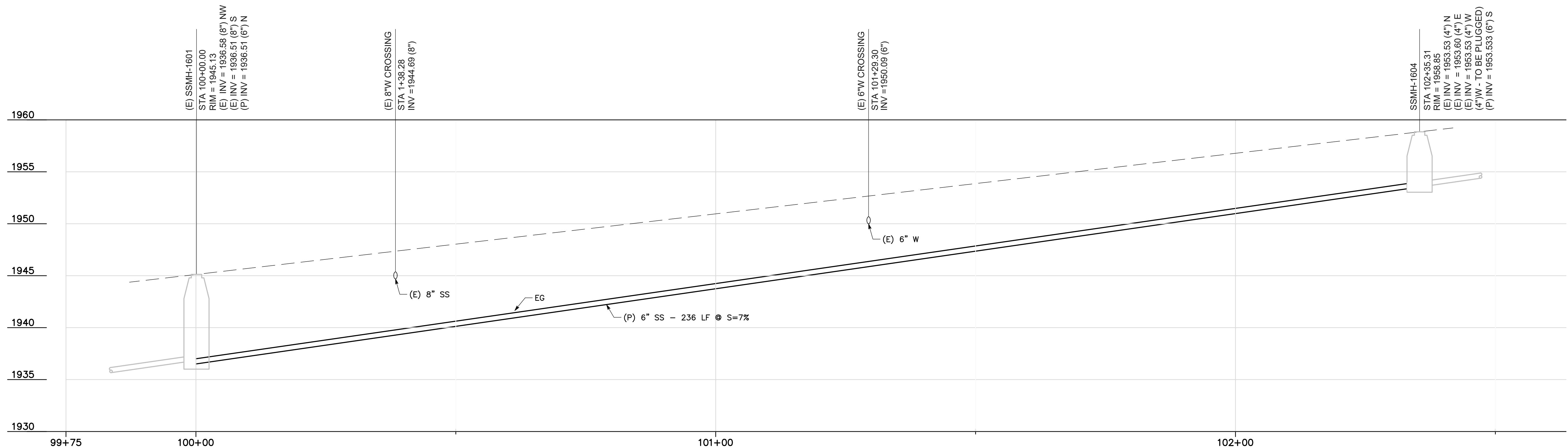


LEGEND

- 
- EXISTING SANITARY SEWER MAIN
 - - - SANITARY SEWER SERVICE LATERAL
 - - - WATER LINE

PLAN

SCALE: 1"= 10'



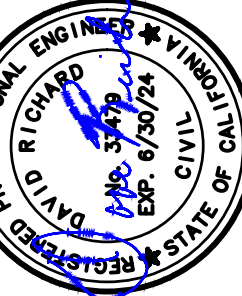
PROFILE

HORZ SCALE: 1" = 10'
VERT SCALE: 1" = 5'

GENERAL NOTES:

1. FOR PIPE TRENCH DETAIL FOR SEWER INSTALLATION, SEE SHEET D1.00, DETAIL 1.
2. SEE SHEET D1.00, DETAIL 2 FOR CONNECTION TO EXISTING SEWER MANHOLES.

FINAL



NO.	DESCRIPTIONS	DATE	APPROVED

HOCKING STREET
RAIN REPLACEMENT PROJECTSEWER IMPROVEMENTS
PLAN & PROFILE - NO. 3

11060 White Rock Road, Suite 200
Rancho Cordova, CA 95670

OB #:	----
DATE:	4/18/2023
SCALE:	
DRAWN:	A.GUTIERREZ
DESIGN:	D.RICHARD
CHECK'D:	D.RICHARD

SHEET
NUMBER

C1.05



LEGEND

-
- EXISTING SANITARY SEWER MAIN
 - SANITARY SEWER SERVICE LATERAL
 - EXISTING SANITARY SEWER MAIN - CIPP IMPROVEMENTS

GENERAL NOTES:

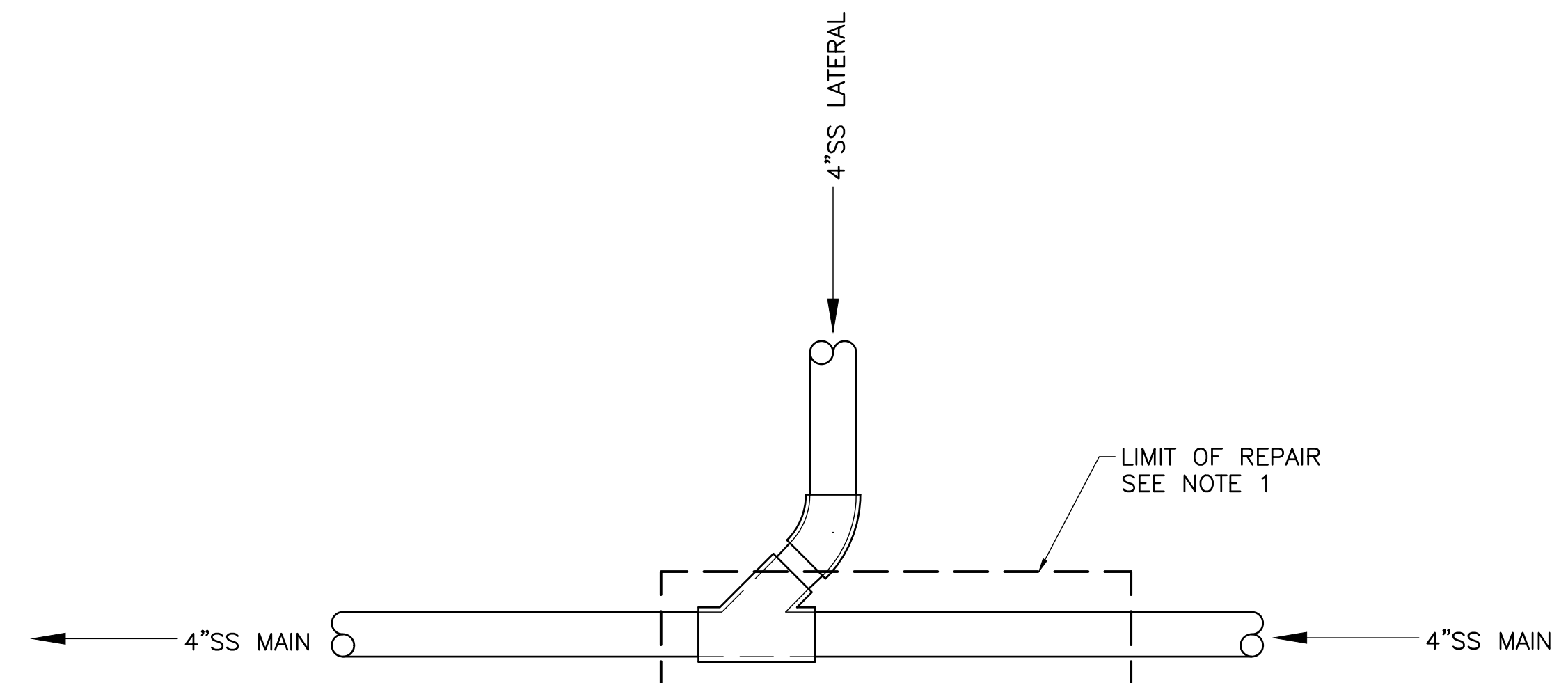
1. CONTRACTOR TO POTHOLE EXISTING 4-INCH SEWER TO ESTABLISH HORIZONTAL AND VERTICAL ALIGNMENT AND LOCATION OF SEWER SERVICE LATERALS.
2. CONTRACTOR TO POTHOLE TO ESTABLISH END OF EXISTING 4-INCH SEWER.

KEY NOTES:

- ① REMOVE AND REPLACE 4-INCH SEWER FOR STA 200+92 TO STA 200+96 PRIOR TO CIPP OPERATION, SEE DETAIL 1, THIS SHEET.
- ② CIPP SEWER FROM 200+00 TO STA 202+56

PLAN

SCALE: 1"= 10'



NOTES:

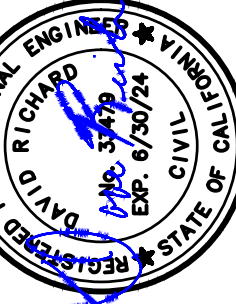
1. REMOVE AND REPLACE SEWER AT 2820 HOCKING ST. SEWER LATERAL CONNECTION AND 4-FT SEGMENT UPSTREAM PRIOR TO CIPP OPERATION.

LIMIT OF PIPE REPAIR DETAIL

SCALE: NOT TO SCALE



FINAL



NO.	DESCRIPTIONS	DATE	APPROVED

HUCKING STREET
SEWER MAIN REPLACEMENT PROJECT

SEWER REPAIRS

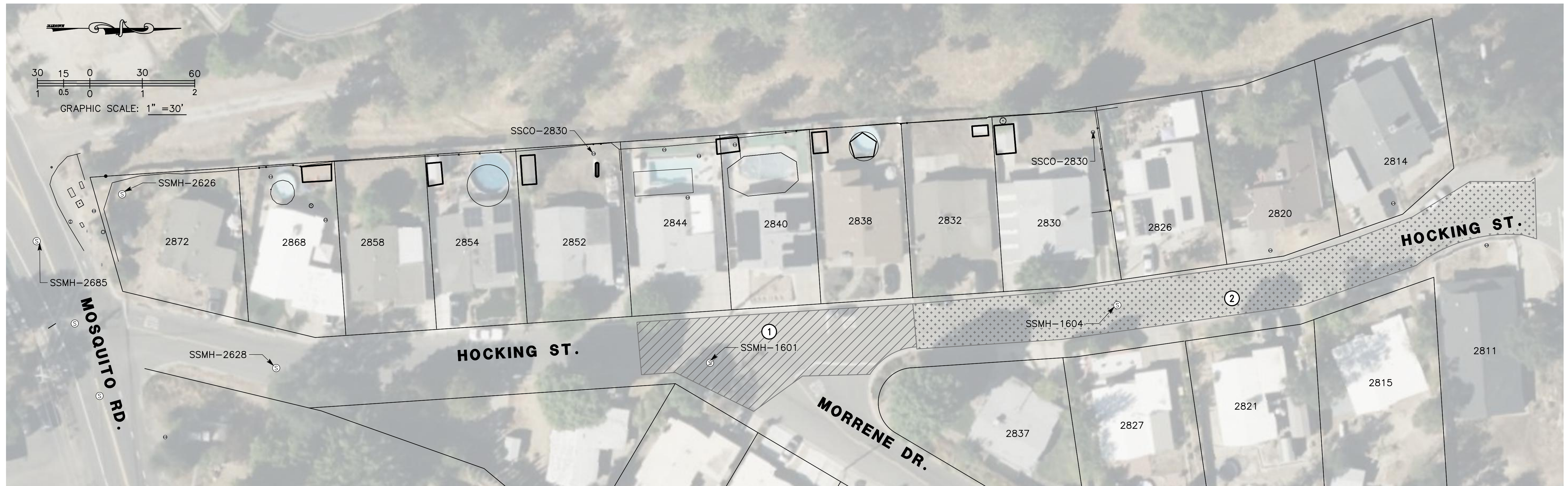


Rancho Cordova, CA 95670

DOB #:	----
DATE:	4/18/2023
SCALE:	
DRAWN:	A.GUTIERREZ
DESIGN:	D.RICHARD
CHK'D:	D.RICHARD

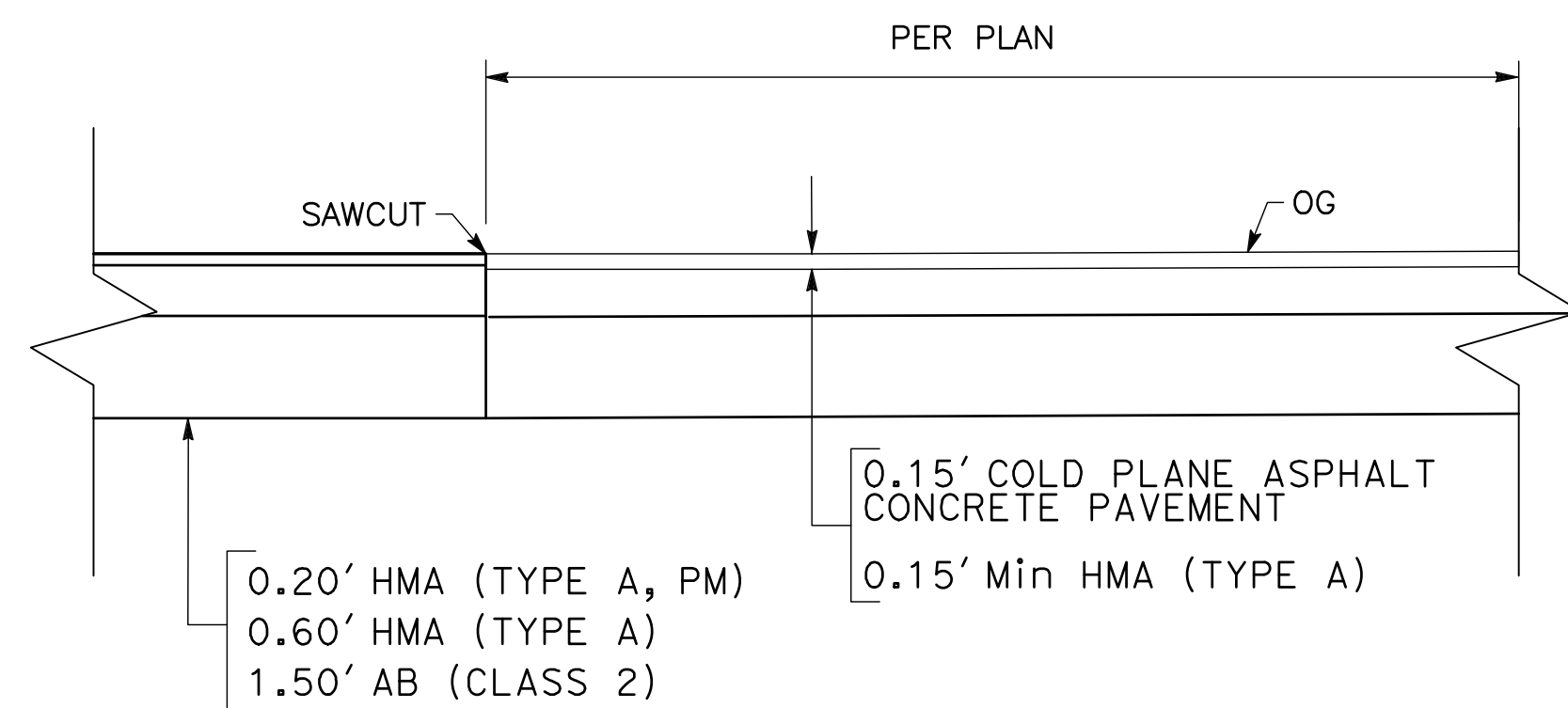
SHEET
NUMBER

C1.06



GENERAL NOTES:

1. SEWER IMPROVEMENTS SHALL BE COMPLETED PRIOR TO BEGINNING PAVING IMPROVEMENTS.
2. GRIND EXISTING PAVEMENT TO A DEPTH OF 0.15'. FOR CONFORM REQUIREMENTS, SEE DETAIL 1, THIS SHEET. FOLLOWING PAVEMENT GRINDING, PROVIDE 0.15'HMA OVERLAY.



CONFORM GRIND DETAIL

SCALE: NOT TO SCALE



LEGEND



SLURRY SEAL LIMITS



LIMIT OF 2" OVERLAY



NO.	DESCRIPTIONS	DATE	APPROVED

HUCKING STREET
SEWER MAIN REPLACEMENT PROJECT
HUCKING STREET

HUCKING STREET PAVING IMPROVEMENTS



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DOB #:	----
DATE:	4/18/2023
SCALE:	
DRAWN:	A.GUTIERREZ
DESIGN:	D.RICHARD
CHK'D:	D.RICHARD

SHEET
NUMBER

C2.00

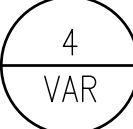
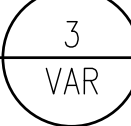
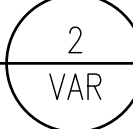
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- x

1
VAR



D1.00

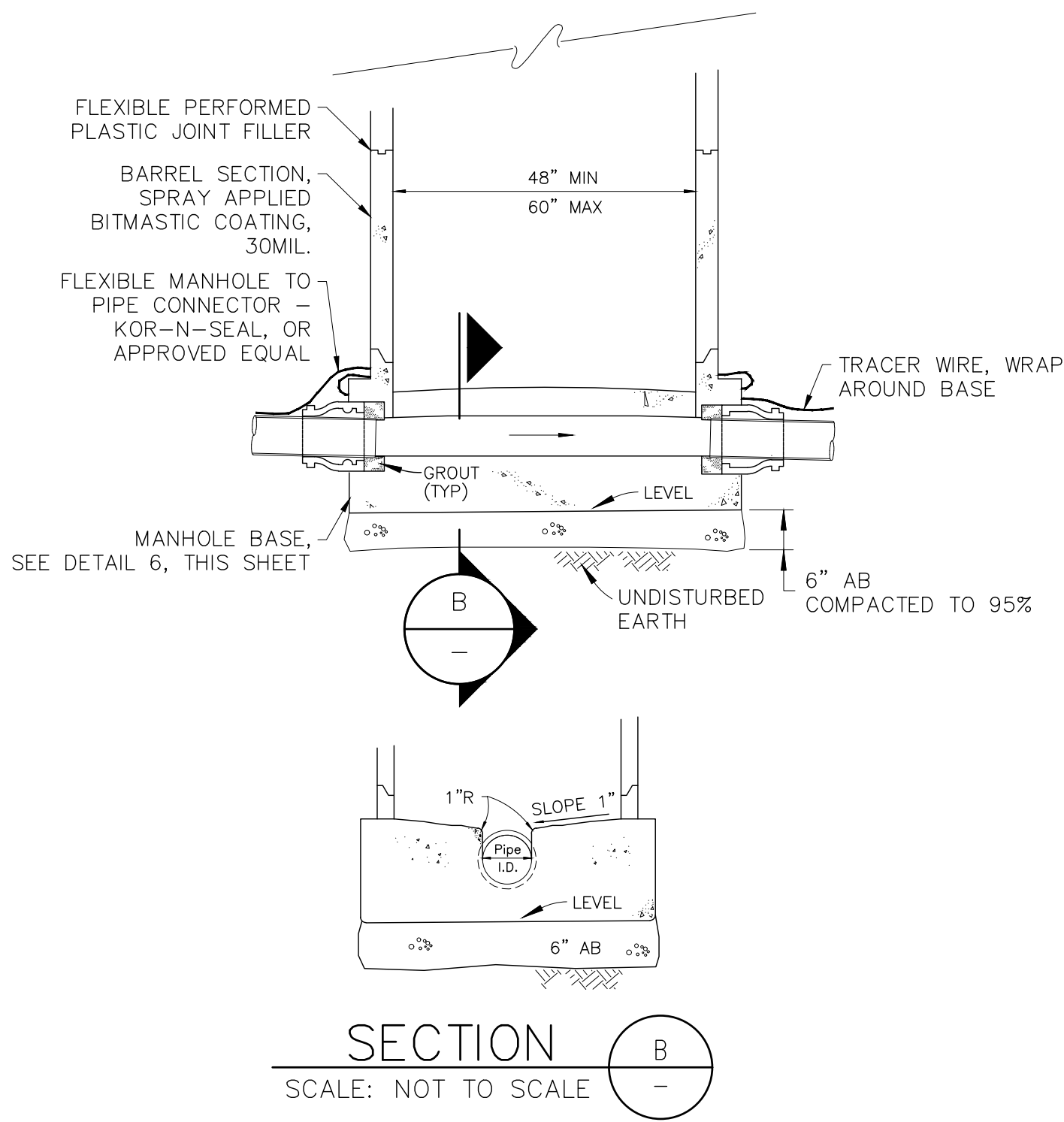
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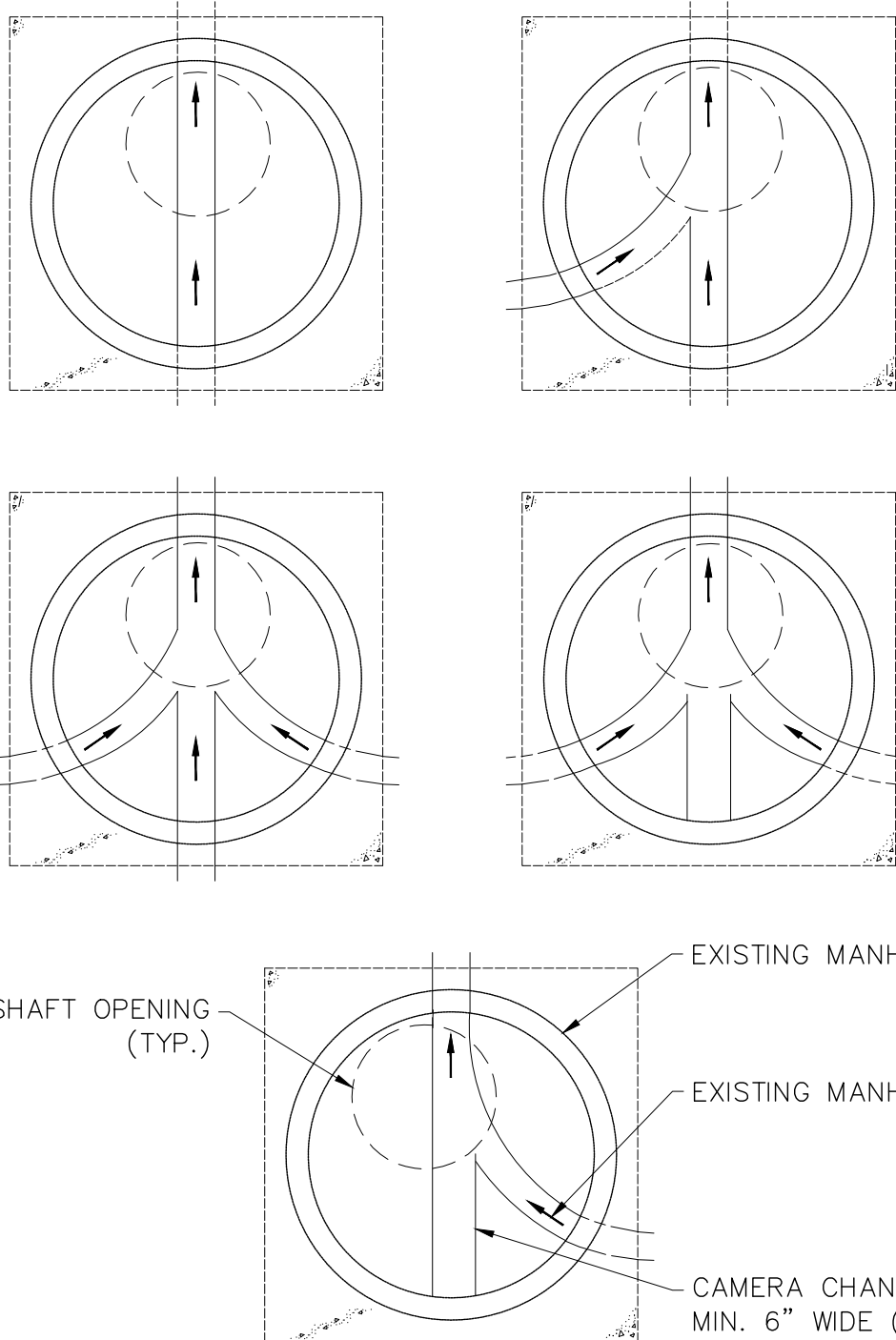
CONSTRUCTION NOTES:

1. GROUT ALL JOINTS, INTERIOR AND EXTERIOR
2. FOR MANHOLE COVER, SEE DETAIL 7, THIS SHEET

PRE-CAST BASE MANHOLE DETAIL

SCALE: NOT TO SCALE

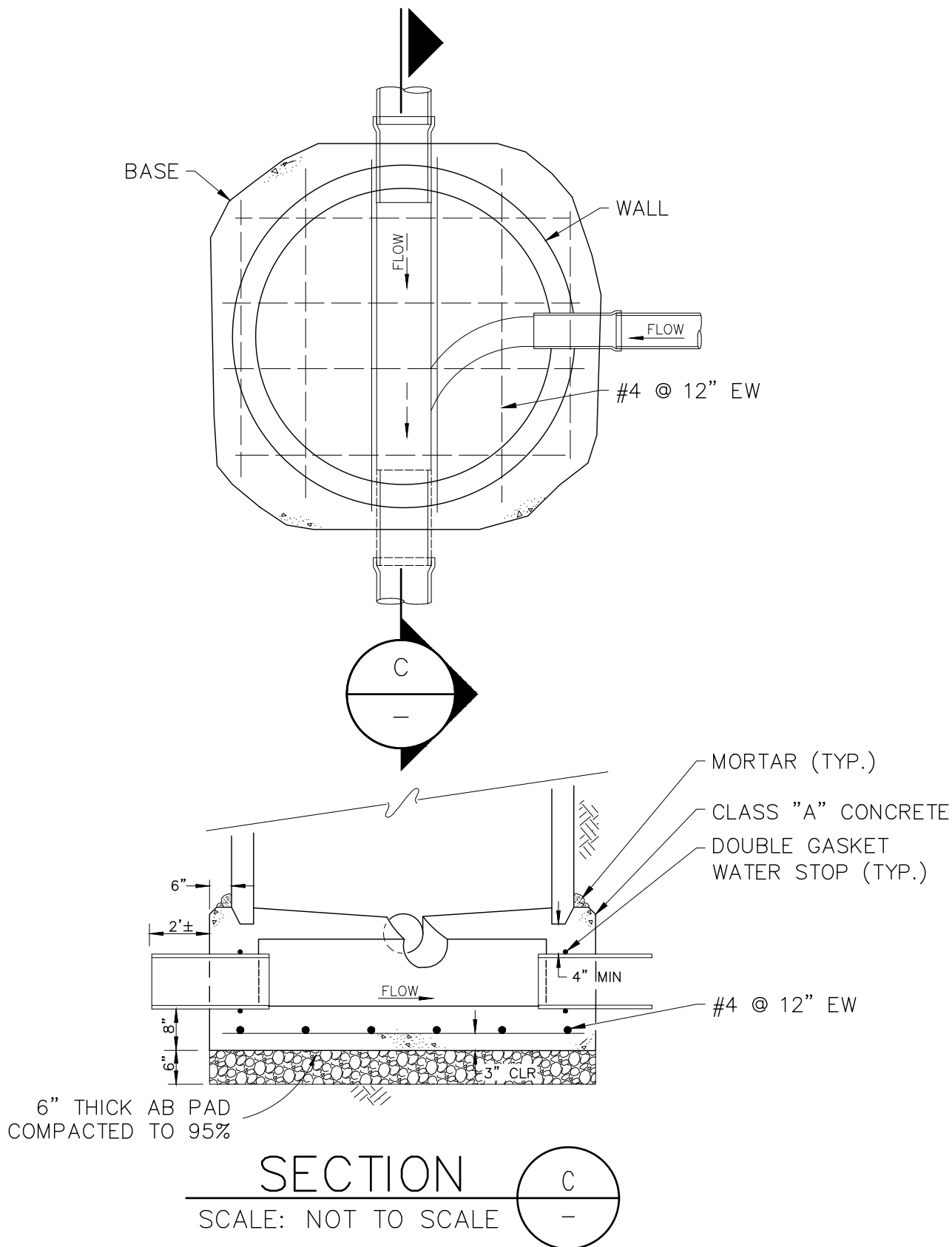
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MANHOLE SHAFT ACCESS LOCATIONS AND BASE CONFIGURATIONS

SCALE: NOT TO SCALE

8
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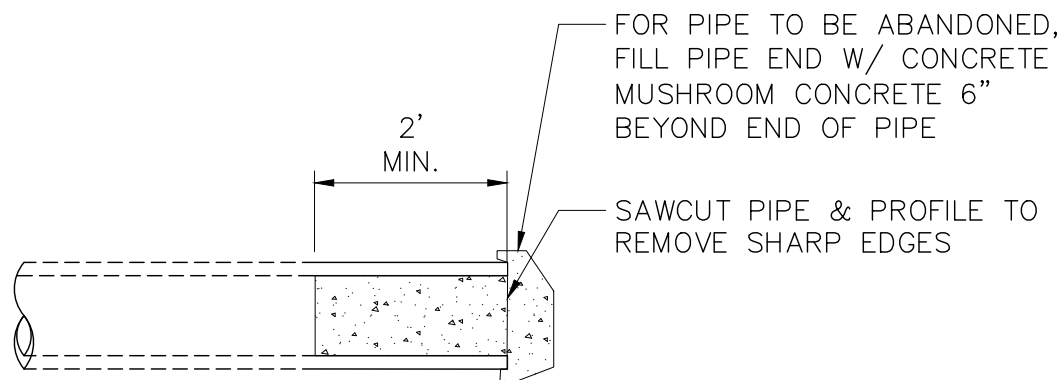
CONSTRUCTION NOTES:

1. FORM RECESS IN BASE WITH METAL FORMING RING TO PLACE BARREL SECTION. INSTALL PLASTIC SEALING GASKET IN JOINT.
2. CHANNEL CONFIGURATION MUST ACCOMMODATE TRACTOR DRIVEN VIDEO CAMERA.
3. SLOPE SHELVES 1" PER 1 FT
4. FOR MANHOLE SHAFT ACCESS LOCATION, SEE DETAIL 8, THIS SHEET

CAST-IN-PLACE CONCRETE MANHOLE BASE DETAIL

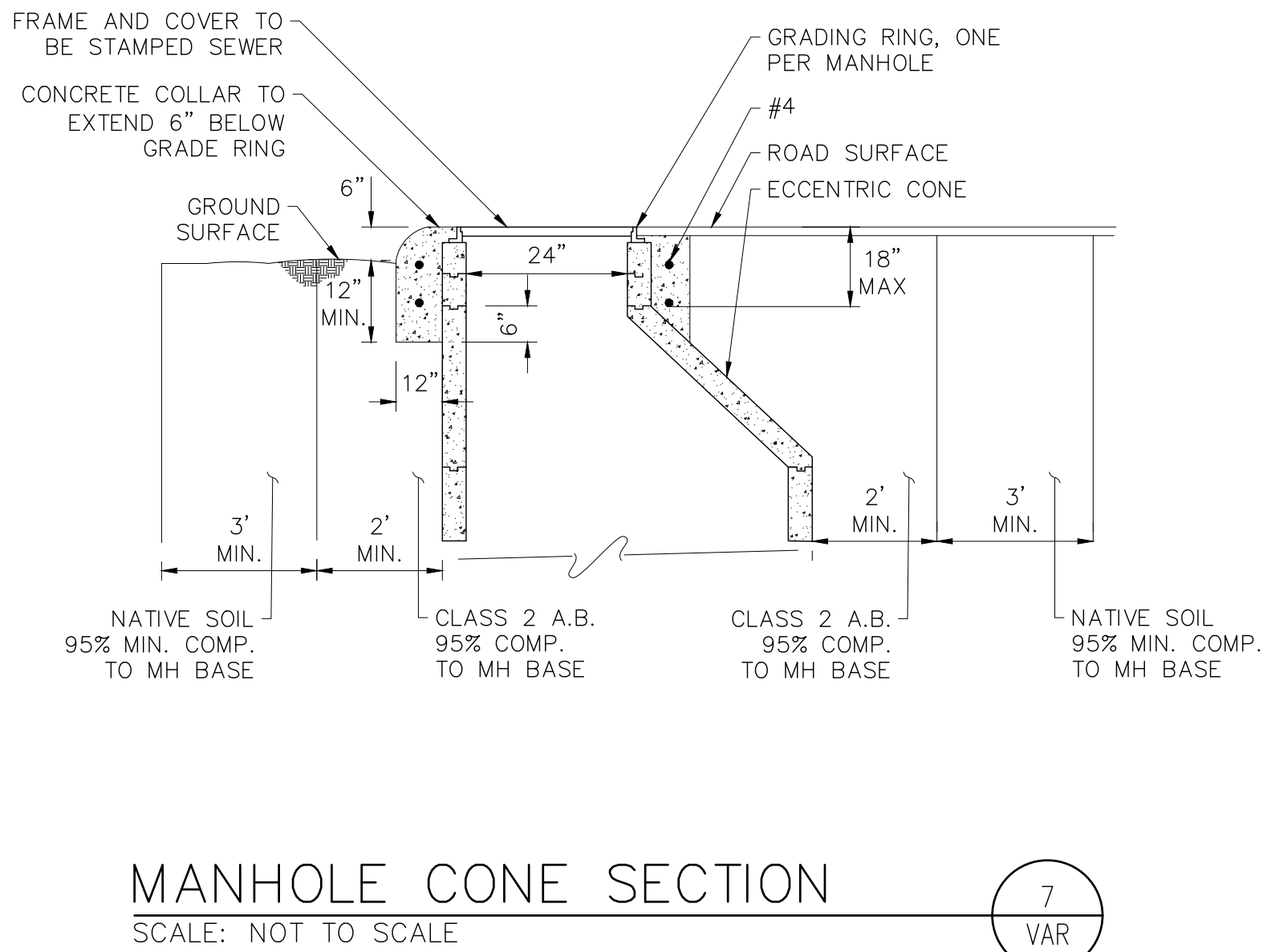
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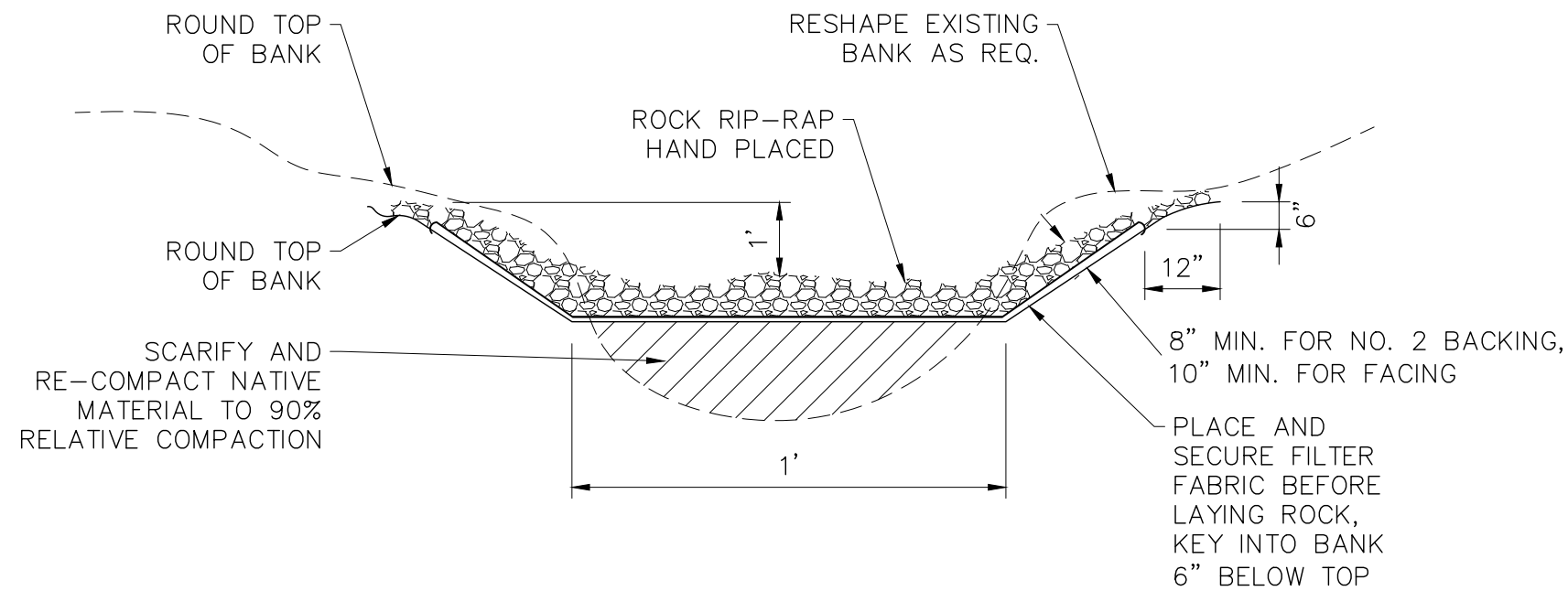
SCALE: NOT TO SCALE

9
VAR



SCALE: NOT TO SCALE

7
VAR



SCALE: NOT TO SCALE

10
VAR

CONSTRUCTION NOTES:

1. REMOVE NATIVE MATERIAL AND REPLACE WITH RIP-RAP. ALL ROCK SHALL BE ANGULAR WITH A MINIMUM OF 2 FACES.
2. GROUT SHALL BE USED WHEN ROCK RIP RAP IS PLACED ON FILL SLOPES, IF SLOPES EXCEED 2:1, IF WITHIN 10-FT OF A CULVERT WITHOUT A FLARED END SECTION, OR WHEN ROCK IS PLACED ON ANY FILL.
3. A 24" KEY WILL BE PLACED AT THE END OF THE SWALE AREA.



NO.	REVISIONS	DATE	APPROVED
	DESCRIPTIONS		

HOCKING STREET
SEWER MAIN REPLACEMENT PROJECT

CONSTRUCTION DETAILS NO. 2

Dewberry
11060 White Rock Road, Suite 200
Rancho Cordova, CA 95670

JOB #: ---
DATE: 4/18/2023
SCALE:
DRAWN: A.GUTIERREZ
DESIGN: D.RICHARD
CHK'D: D.RICHARD

SHEET
NUMBER

D1.01

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