



CITY OF PLACERVILLE

MEASURE H&L IMPROVEMENT PROJECT

DRAWING INDEX		
SHT NO.	DRAWING	TITLE
1	G-1	TITLE SHEET AND DRAWING INDEX
2	G-2	SYMBOLS, ABBREVIATIONS, GENERAL NOTES AND ALIGNMENT TABULATION
3	C-1	SEWER IMPROVEMENTS PLAN & PROFILE
4	C-2	SEWER IMPROVEMENTS PLAN & PROFILE
5	D-1	SEWER DETAILS

NO. REVISIONS		APPROVAL	
		BY	DATE

CONRAD STREET SEWER REPLACEMENT PROJECT

PROJECT NO. 41916

SUBMITTED BY:

AC Schiestel

AARON C SCHIESTEL RCE:77357
ASSOCIATE CIVIL ENGINEER
CITY OF PLACERVILLE



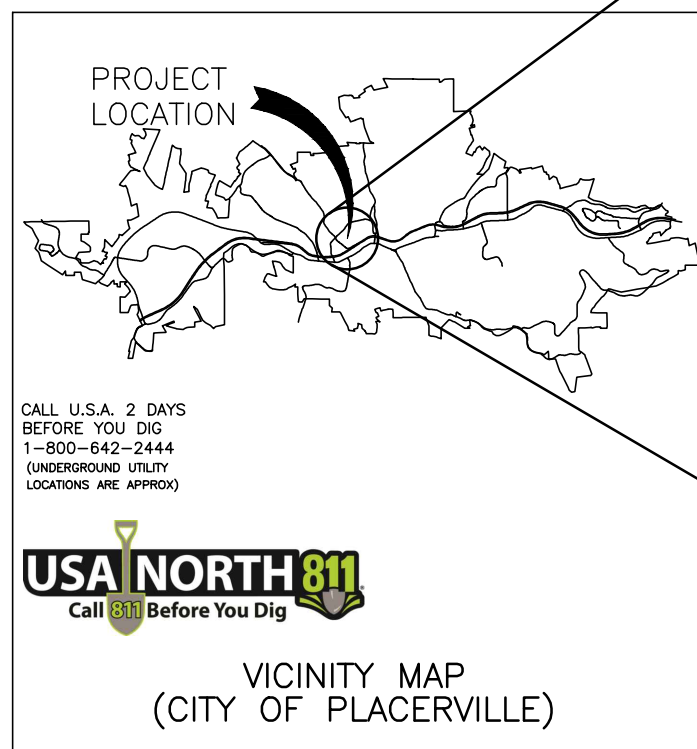
APPROVED BY:

Rebecca Neves

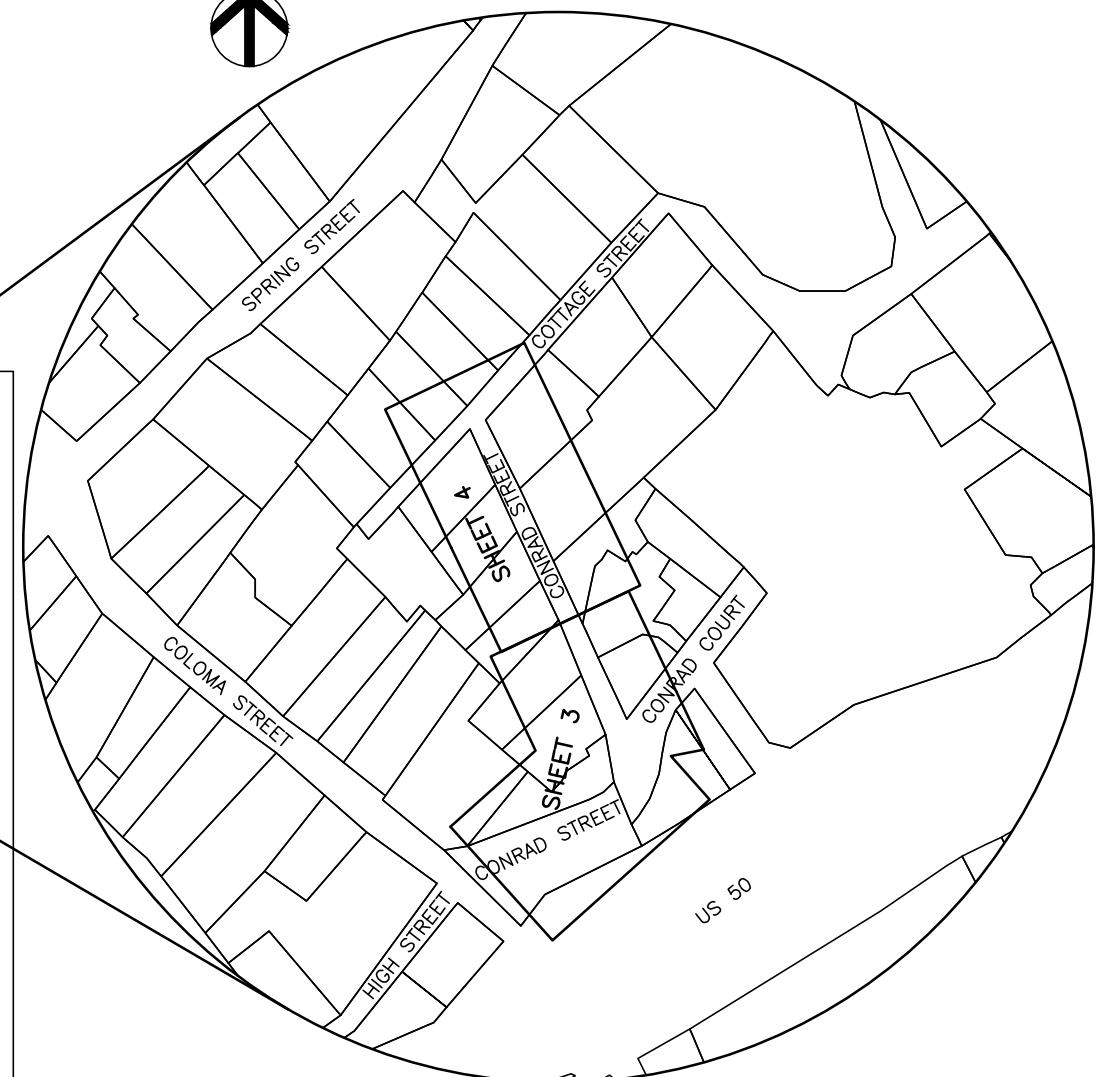
REBECCA NEVES RCE:71920
CITY ENGINEER
CITY OF PLACERVILLE

MAY, 2021

UTILITY REPRESENTATIVES		
UTILITY	REPRESENTATIVE	PHONE
SEWER/STORM: CITY OF PLACERVILLE	CORY SCHIESTEL	(530) 642-5557
WATER: CITY OF PLACERVILLE	CORY SCHIESTEL	(530) 642-5557
TELEPHONE: AT&T	DARREN MORTENSON	(530) 621-6926
ELECTRICITY: PG&E	SARABETH PANELA	(530) 200-1824
CABLE T.V.: COMCAST	GARY ABELIA	(916) 830-6732

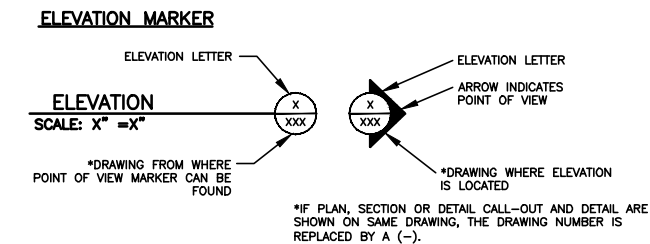
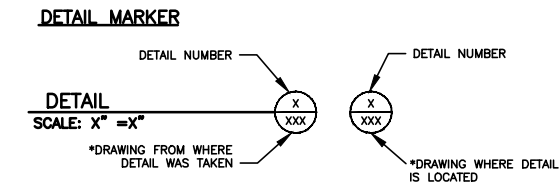
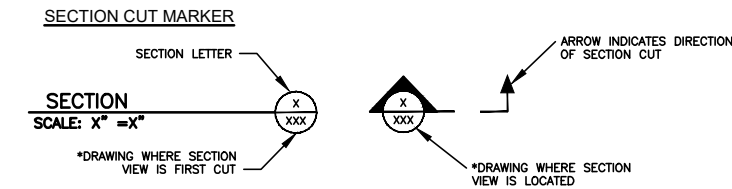
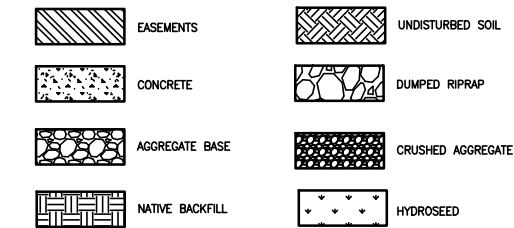
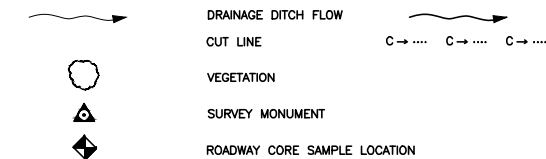
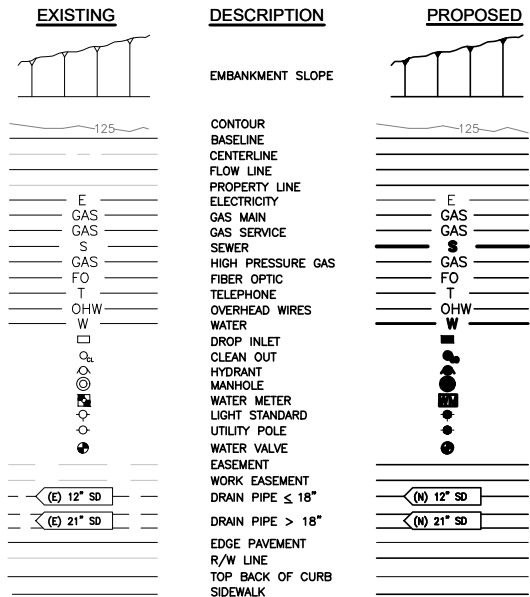


LOCATION MAP



SCALE 1" = 100'

SYMBOLLOGY



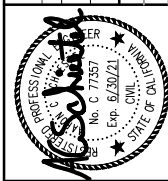
GENERAL NOTES

1. ALL CONSTRUCTION WORK AND INSTALLATION SHALL CONFORM TO THE STATE OF CALIFORNIA STANDARD CONSTRUCTION SPECIFICATIONS AND ALL OF ITS DRAWINGS, DATED SEPTEMBER 2015. ALL WORK IS SUBJECT TO THE APPROVAL OF THE ENGINEER.
2. TOPOGRAPHIC MAPPING IS BASED UPON SURVEY DATED JULY 15, 2020. AERIAL PHOTO TAKEN IN JULY 2020.
3. 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.
4. NOTIFICATION OF UNDERGROUND SERVICE ALERT (U.S.A.) IS REQUIRED A MINIMUM OF 48 HOURS IN ADVANCE OF BEGINNING ALL EXCAVATION WORK.
5. 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. THE CONTRACTOR SHALL ANTICIPATE, AND ALLOW TIME FOR, NECESSARY RELOCATIONS. ALL EXISTING UNDERGROUND AND OVERHEAD UTILITIES SHALL BE PROTECTED FROM CONSTRUCTION EQUIPMENT AND OPERATIONS.
6. UTILITY RELOCATION REQUIRED FOR THE CONSTRUCTION OF THESE FACILITIES WILL BE PERFORMED BY THE UTILITY COMPANY, UNLESS OTHERWISE NOTED.
7. TEMPORARY OR PERMANENT RELOCATION OR ALTERATION OF UTILITIES REQUESTED BY THE CONTRACTOR FOR THEIR CONVENIENCE SHALL BE THEIR RESPONSIBILITY AND THEY SHALL MAKE ALL ARRANGEMENTS AND BEAR ALL COSTS.
8. FOR ALL TRENCH EXCAVATIONS FIVE FEET OR MORE IN DEPTH, THE CONTRACTOR SHALL OBTAIN A PERMIT FROM CAL OSHA (1750 HOWE AVE, SUITE 430, SACRAMENTO CA (916) 263-2800) PRIOR TO BEGINNING ANY EXCAVATION. A COPY OF THIS PERMIT SHALL BE AVAILABLE AT THE CONSTRUCTION SITE AT ALL TIMES.
9. THE 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.
10. 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.
11. ALL PAVEMENT MARKINGS DISTURBED SHALL BE REPLACED, TO THE SATISFACTION OF THE CITY, AT NO EXTRA COST.

ABBREVIATIONS

AB	ABANDON	L	LENGTH
AB	AGGREGATE BASE	LF	LINEAL FOOT/FEET
AC	ASPHALT CONCRETE	LP	LIP OF GUTTER
ACP	ASBESTOS CEMENT PIPE	LPB	LIGHT PULL BOX
ADNL	ADDITIONAL	LS	LUMP SUM
APN	ASSESSOR PARCEL NUMBER	LT	LEFT
APPROX	APPROXIMATELY	MANUF	MANUFACTURER
ASB	AGGREGATE SUBBASE	MH	MANHOLE
BC	BEGIN CURVE	MIN	MINIMUM
B	BASE LINE	N	NEW
BM	BENCH MARK	NTS	NOT TO SCALE
CAP	CORRUGATED ALUMINUM PIPE	OC	ON CENTER
CC	CENTER TO CENTER	(P)	PROPOSED
CIP	CAST-IN-PLACE	P	POINT OF CHANGE OF CURVATURE
CIPP	CURED-IN-PLACE PIPE	PL or PL	PROPERTY LINE
C&G	CURB AND GUTTER	PI	POINT OF INTERSECTION
CJ	COLD JOINT	POB	POINT OF BEGINNING
C or CL	CENTER LINE	POE	POINT OF ENDING
CLS	CLASS	PRC	POINT OF REVERSE CURVATURE
CLR	CLEAR	PP	POWER POLE
CMP	CORRUGATED METAL PIPE	PNT	POINT
CO	CLEAN OUT	PROP	PROPOSED
CONC	CONCRETE	PUE	PUBLIC UTILITY EASEMENT
CONST	CONSTRUCT	PVC	POLYVINYL CHLORIDE PIPE
CONSTN	CONSTRUCTION	PW	POTABLE WATER
CONT	CONTINUOUS	R	REMOVE
CP	NON REINFORCED CONCRETE PIPE	r	RADIUS
CSP	CORRUGATED STEEL PIPE	RAP	RIBBED ALUMINUM PIPE
C	CUBIC FOOT/FEET	RCP	REINFORCED CONCRETE PIPE
CY	CUBIC YARD/YARDS	RDWY	ROADWAY
(D)	DEMOLISH	REINF	REINFORCED/REINFORCING
D/S	DOWN STREAM	RL	RESTRAINED JOINT LENGTH
DBL	DOUBLE	R&R	REMOVE AND REPLACE
DI	DROP INLET	RSP	RIBBED STEEL PIPE
D or \$	DIAMETER	RT	RIGHT
DIP	DUCTILE IRON PIPE	R/W	RIGHT OF WAY
DRWY	DRIVEWAY	S	SANITARY SEWER
(E)	EXISTING	SS	SANITARY SEWER
E	ELECTRICAL	SSCO	SANITARY SEWER CLEAN OUT
EA	EACH	SSCO	SANITARY SEWER CLEAN OUT
EBC	END AND BEGIN CURVE	SD	STORM DRAIN
EC	END OF CURVE	SF	SQUARE FOOT/FEET
EG	EXISTING GRADE	SHT	SHEET
EID	EL DORADO IRRIGATION DISTRICT	SP	SPECIAL PROVISIONS
E or EL	EDGE LINE	SPEC	SPECIFICATION
Elev	ELEVATION	SRRP	STEEL RIBBED PIPE
E/P	EDGE OF PAVEMENT	STA	STATION
ESMT	EASEMENT	STD	STANDARD
EX	EXISTING	SW	SIDEWALK
EXP	EXPANSION	T	TANGENT
EW	EACH WAY	TB	TOP OF BANK
FES	FLARED END SECTION	TBM	TEMPORARY BENCH MARK
FG	FINISH GRADE	TBW	TOP BACK OF WALK
E or FL	FLOW LINE	THK	THICK
FO	FIBER OPTICS	TOC	TOP OF CURB
FT	FEET	TCP	TELEPHONE POLE
FTP	FLAT TOP	TP	TYPICAL
FUT	FUTURE	U/S	UPSTREAM
G	GAS	V	DEPTH
GAR	GARAGE	VAR	VARIABLE
GD	GUTTER DRAIN	VCP	VITRIFIED CLAY PIPE
GFL	GUTTER FLOW LINE	VERT	VERTICAL
GRND	GROUND	WE	TEMPORARY WORK EASEMENT
HDPPE	HIGH DENSITY POLYETHYLENE PIPE	W	WATER MAIN
HGL	HYDRAULIC GRADE LINE	W/	W/
HORIZ	HORIZONTAL	WN	WATER MAIN
INV	INVERT	WS	WATER SEAL
IS	IRRIGATION SYSTEM	WSEL	WATER SURFACE ELEVATION
JP	JOINT POLE	AT	AT
JT	JOINT TRENCH	Δ	DELTA/DIFFERENCE

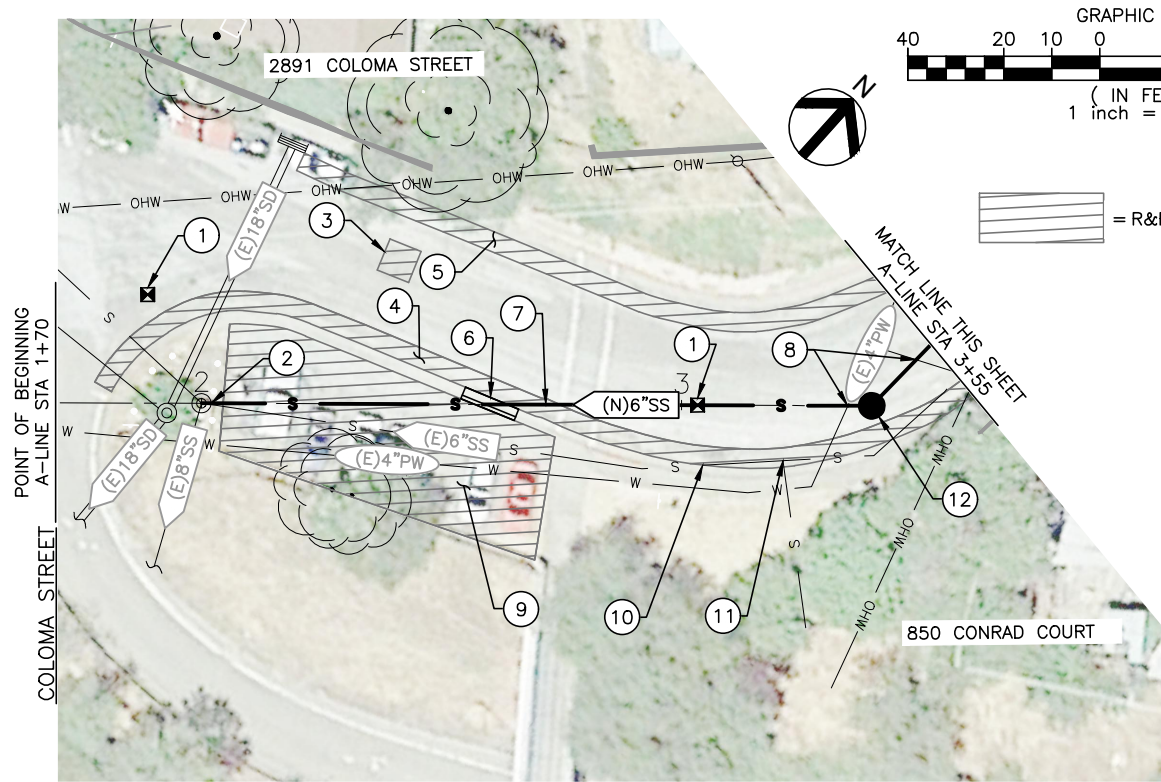
12. CONTRACTOR SHALL PROTECT ADJACENT IMPROVEMENTS, INCLUDING BUT NOT LIMITED TO PAVEMENT, FROM INJURY OR DAMAGE. THE CONTRACTOR SHALL UTILIZE SUITABLE SAFEGUARDS TO PROTECT ADJACENT IMPROVEMENTS FROM INJURY OR DAMAGE. IF SUCH IMPROVEMENTS ARE INJURED OR DAMAGED BY REASON OF CONTRACTOR'S OPERATIONS, THEY SHALL BE REPLACED OR RESTORED TO A CONDITION AS GOOD AS WHEN THE CONTRACTOR ENTERED UPON THE WORK, AND ALL EXPENSES OF WHATEVER NATURE ARISING FROM SUCH DAMAGE SHALL BE BORNE BY THE CONTRACTOR.
13. THE EXISTING PAVEMENT ON THE PROJECT ROADS IS MORE THAN 5 YEARS OLD.
14. HMA PAVING THICKNESS TO BE 5" UNLESS OTHERWISE NOTED.

[illegible]

5/11/21	DATE
PROJECT ENGINEER	
A.C. SCHIELTEL	

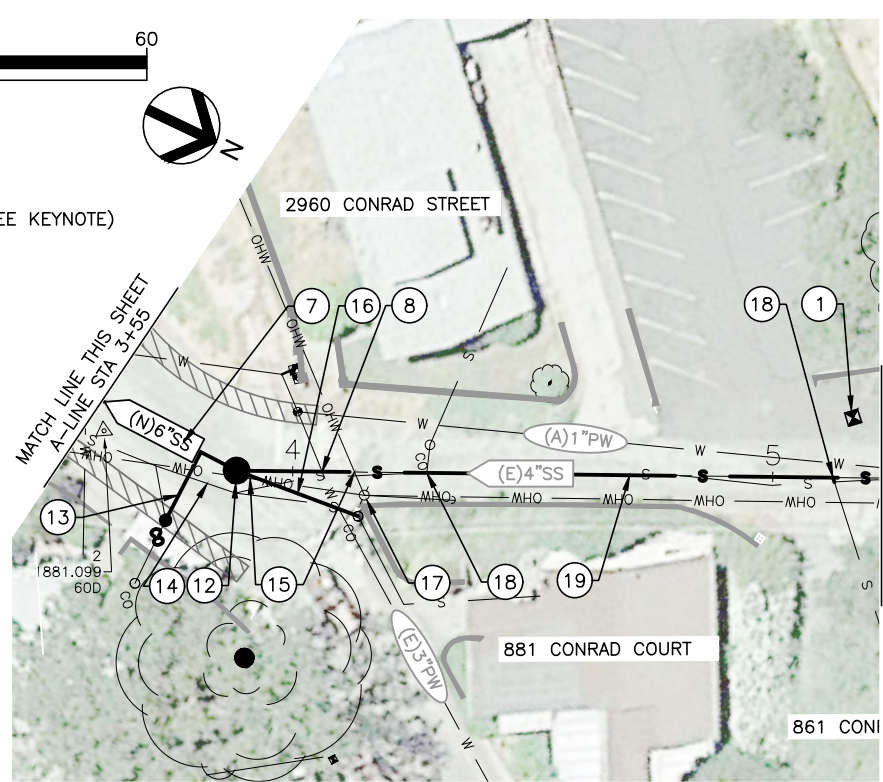
GENERAL	PLANS FOR THE CONSTRUCTION OF
DRAWING G-2	CONRAD STREET SEWER REPLACEMENT PROJECT
SHEET: 2 OF 5	SYMBOLS, ABBREVIATIONS, GENERAL NOTES, AND ALIGNMENT TABULATION
SCALE	CITY OF PLACERVILLE
HORIZ: N/A	
VERT: AS SHOWN	

S:\CIP Proj\Conrad Street Sewer Replacement (41916)\04 Design Development\CONRAD C-Plans.dwg May 11, 2021 - 4:00pm



CONRAD STREET

- 16 CONNECT (N) MH TO (E) CO WITH 20 LF OF (N) 6" SDR-26.
- 17 CAUTION! - KEEP TRENCH WALL 4' CLEAR FROM POLE
- 18 CONNECT (E) SS SERVICE TO NEW MAIN PER EID STD DWG S08.



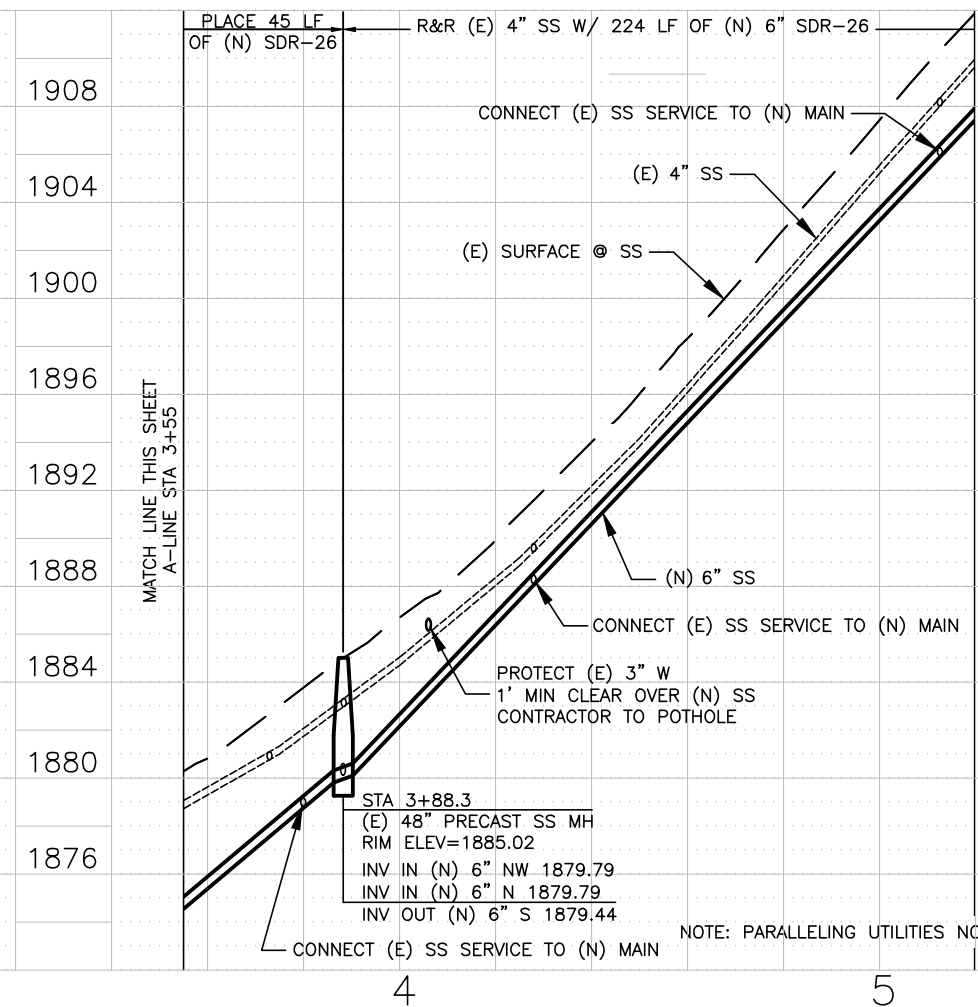
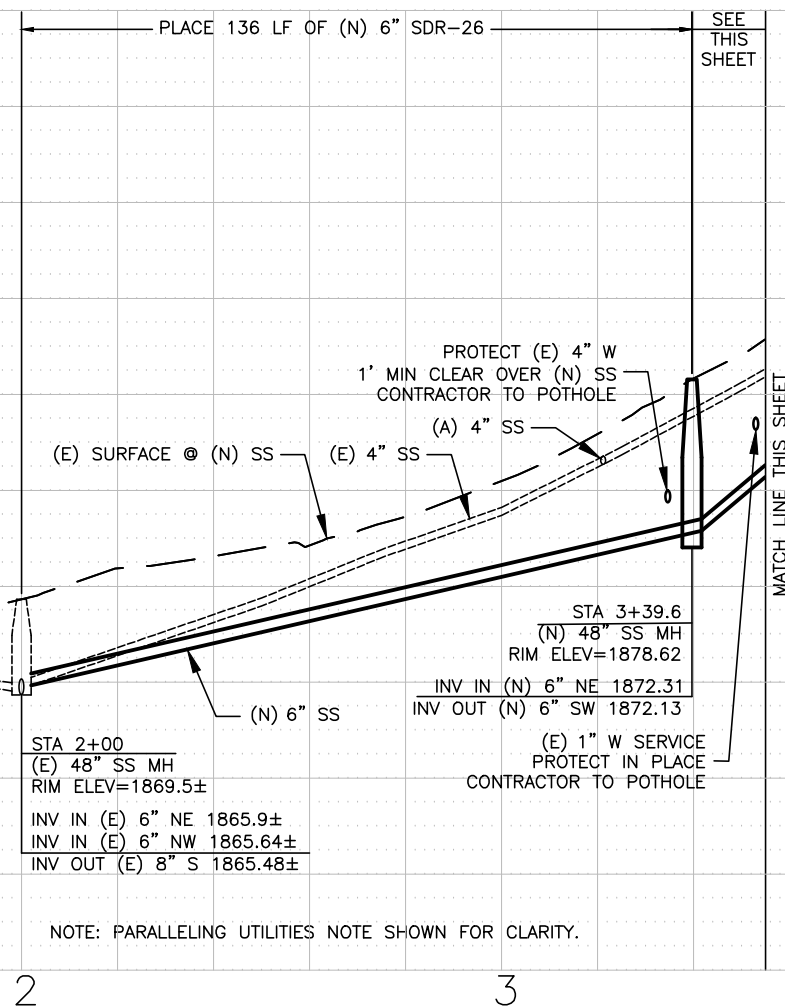
CONRAD COURT CONRAD STREET

- 19 R&R (E) 4" SS WITH (N) 6" SDR-26 PER DETAIL 1/2

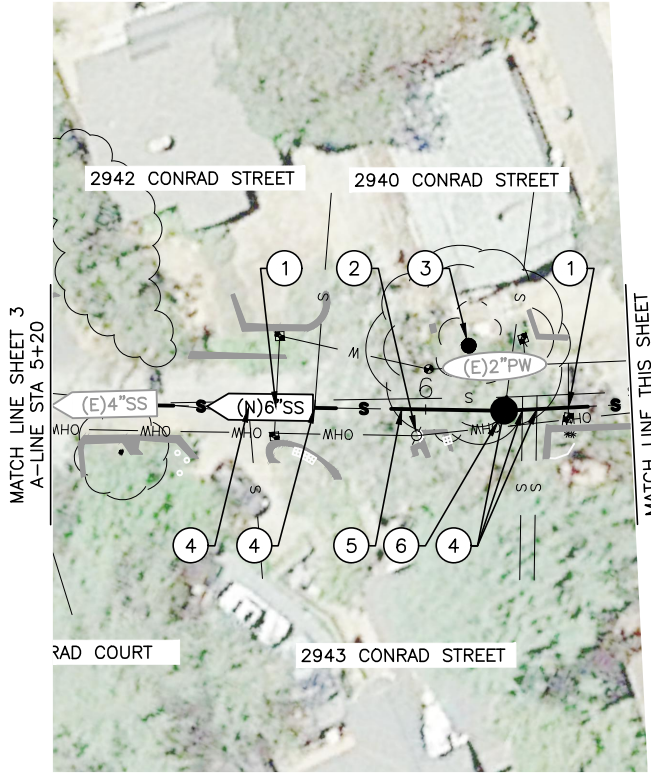
KEYNOTES

- 1 APPROXIMATE BORING LOCATION
- 2 STA 2+02 - CONNECT (N) 6" SS MAIN TO (E) MANHOLE - MATCH (E) INVERT. CONNECT PER DETAIL 1/5
- 3 R&R 16 SF AC AND REPLACE WITH 5" AC.
- 4 REMOVE 420 SF OF 5" THICK AC, 4' WIDE ALONG LIP OF GUTTER. REPLACE W/ 2" AB & 3" AC.
- 5 REMOVE 512 SF OF 5" THICK AC, 4' WIDE ALONG LIP OF GUTTER. REPLACE W/ 2" AB & 3" AC.
- 6 REMOVE & REPLACE 12 LF OF ROLLED C&G. MATCH (E). INSTALL COLD JOINTS AT EACH END PER DETAIL 2/5
- 7 PLACE (N) 6" SDR-26 PVC PER DETAIL 1/2
- 8 CONTRACTOR SHALL POTHOLE (E) WATER CROSSING AND NOTIFY ENGINEER IMMEDIATELY IF A MINIMUM 12" VERTICAL PIPE CLEARANCE IS NOT MET.
- 9 R&R 1,700 SF OF 3" THICK AC IN CITY PARKING LOT.
- 10 ABANDON 160 LF OF (E) 6" SS PER DETAIL 3/5
- 11 CONTRACTOR TO VERIFY SEWER SERVICE IS (A) & CAP PER DETAIL 3/5
- 12 PLACE (N) 48" MH PER EID STD DWG S09B & S09E (SEE APPENDIX B OF THE PROJECT SPECS).
- 13 PLACE (N) 4" LOWER LATERAL AND CO PER SASD STD DWG LL-02 (SEE APPENDIX D). (A) (E) SS SERVICE
- 14 REMOVE 73 LF OF (E) 6" SS. BACKFILL WITH COMPACTED AB AND RESTORE AC PER DETAIL 1/2 INCLUDE T-CUT.
- 15 CAUTION! OVERHEAD TELECOM/ELECTRICAL

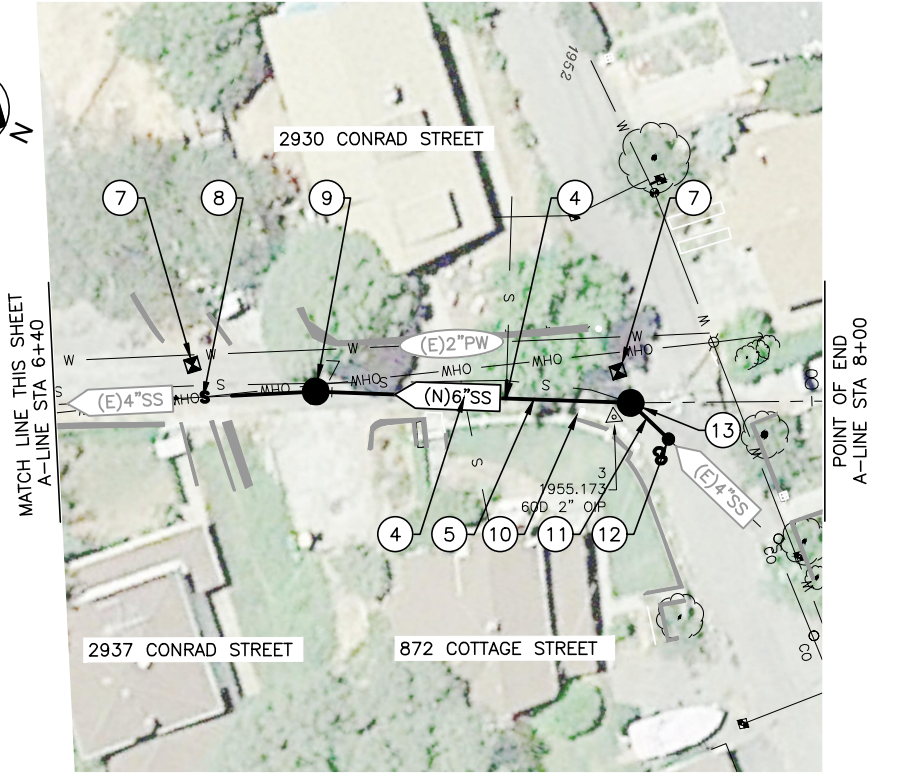
PRIOR TO CONSTRUCTION
CONTRACTOR TO POTHOLE EXISTING
UTILITIES TO CONFIRM LOCATION
AND DEPTH OF COVER.



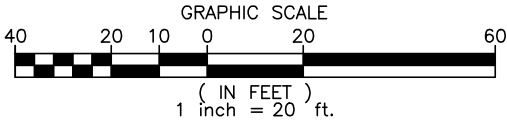
PLAN AND PROFILE	DRAWING C-1	SHEET: 3 OF 5 SCALE HORZ: 1" = 20' VERT: 1" = 4'	PLANS FOR THE CONSTRUCTION OF CONRAD STREET SEWER REPLACEMENT PROJECT				 CITY OF PLACERVILLE ENGINEERING DEPARTMENT 3101 CENTER STREET PLACERVILLE, CA 95667 (530) 642-5250
			SEWER MAIN REPLACEMENT				
			CITY OF PLACERVILLE				
			PROJECT ENGINEER A.C. SCHIEL				
DATE 5/11/21		DATE 5/11/21		DATE 5/11/21		DATE 5/11/21	
CONTRACT NO. 41916		GRID NO. N/A		FILE NO. N/A		REVISIONS	
DESIGNED A.C.S.		DRAWN A.C.S.		NO.		NO.	
APPROVED REBECCA NEVES		APPROVED A.C.S.		APPROVED A.C.S.		APPROVED A.C.S.	
DATE 5/11/21		DATE 5/11/21		DATE 5/11/21		DATE 5/11/21	



CONRAD STREET

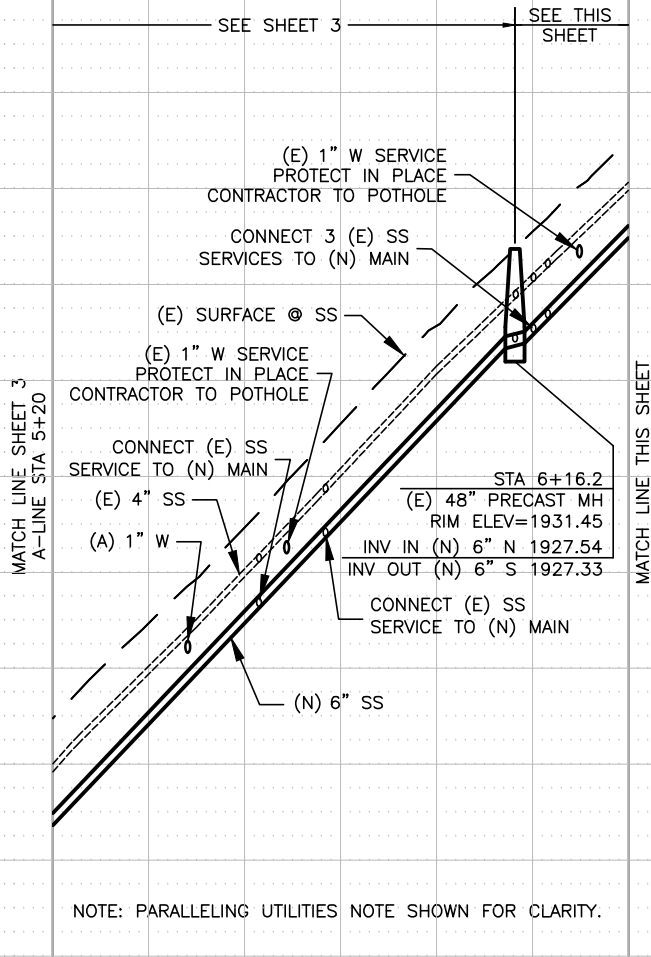


CONRAD STREET

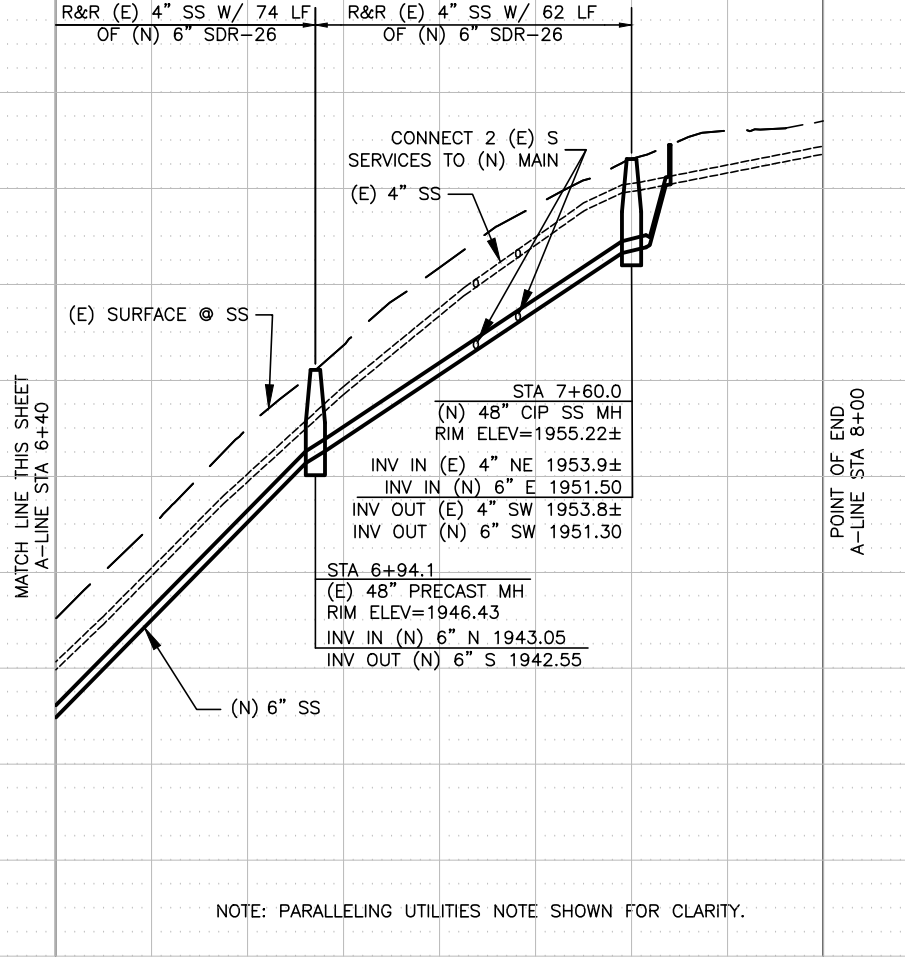


NOTE: SEWER LATERAL LOCATIONS ARE SHOWN FOR INFORMATIONAL PURPOSES ONLY. CONTRACTOR SHALL FIELD LOCATE AND POTHOLE (E) SEWER LATERALS. MAINTAIN SEWER SERVICE TO LATERALS DURING SEWER MAIN REPLACEMENT. RECONNECT ALL ACTIVE SEWER LATERALS TO NEW SEWER MAIN.

- KEYNOTES**
- 1 PROTECT (E) W SERVICE IN PLACE.
 - 2 CAUTION! – KEEP TRENCH WALL 4’ CLEAR FROM POLE
 - 3 REMOVE 36” OAK TREE.
 - 4 CONNECT (E) SS SERVICE TO NEW MAIN PER EID STD DWG S08.
 - 5 PLACE (N) 6” SDR-26 PVC PER DETAIL $\frac{1}{2}$
 - 6 PLACE (N) 48” MH PER EID STD DWG S09B & S09E (SEE APPENDIX B OF SPECS).
 - 7 APPROXIMATE BORING LOCATION
 - 8 CAUTION! OVERHEAD TELECOM/ELECTRICAL
 - 9 PLACE (N) 48” MH PER EID STD DWG S09B & S09E (SEE APPENDIX B OF SPECS).
 - 10 PROTECT (E) CURB AND BOLLARDS IN PLACE.
 - 11 PLACE (N) DROP CONNECTION PER DETAIL $\frac{4}{5}$
 - 12 PLACE (N) CO @ STA 7+67.9, RIGHT 5.52’
 - 13 REMOVE AND REPLACE (E) SS MH WITH A (N) SHALLOW 48” MH PER EID STD DWG S09D, S09E, & S09H (SEE APPENDIX B OF SPECS).



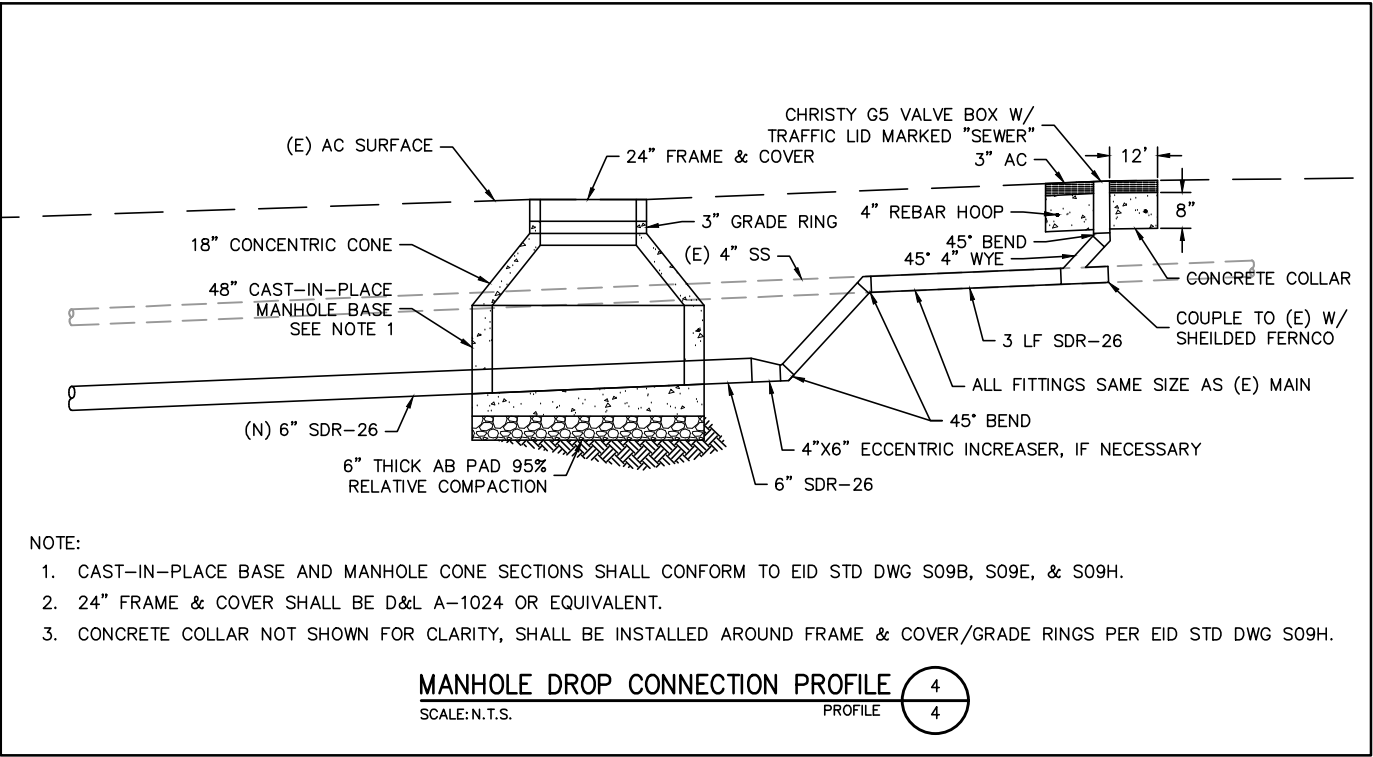
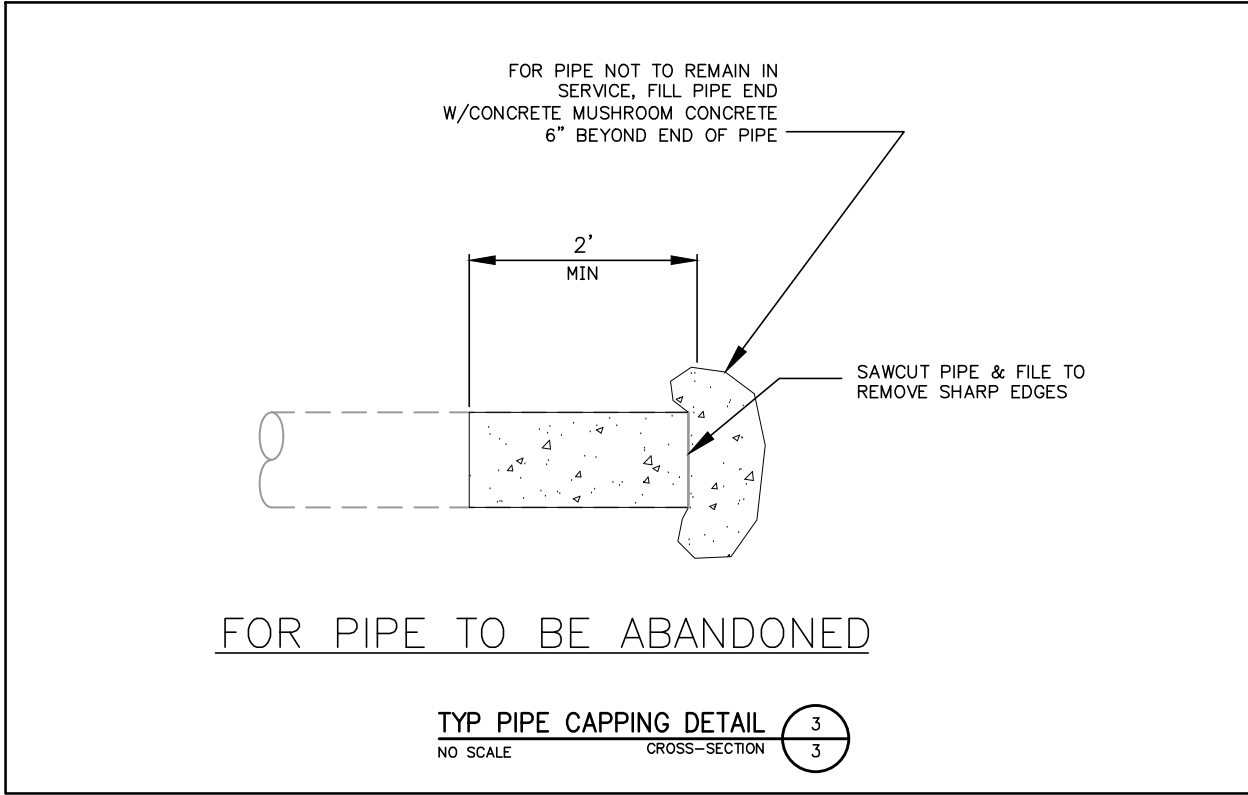
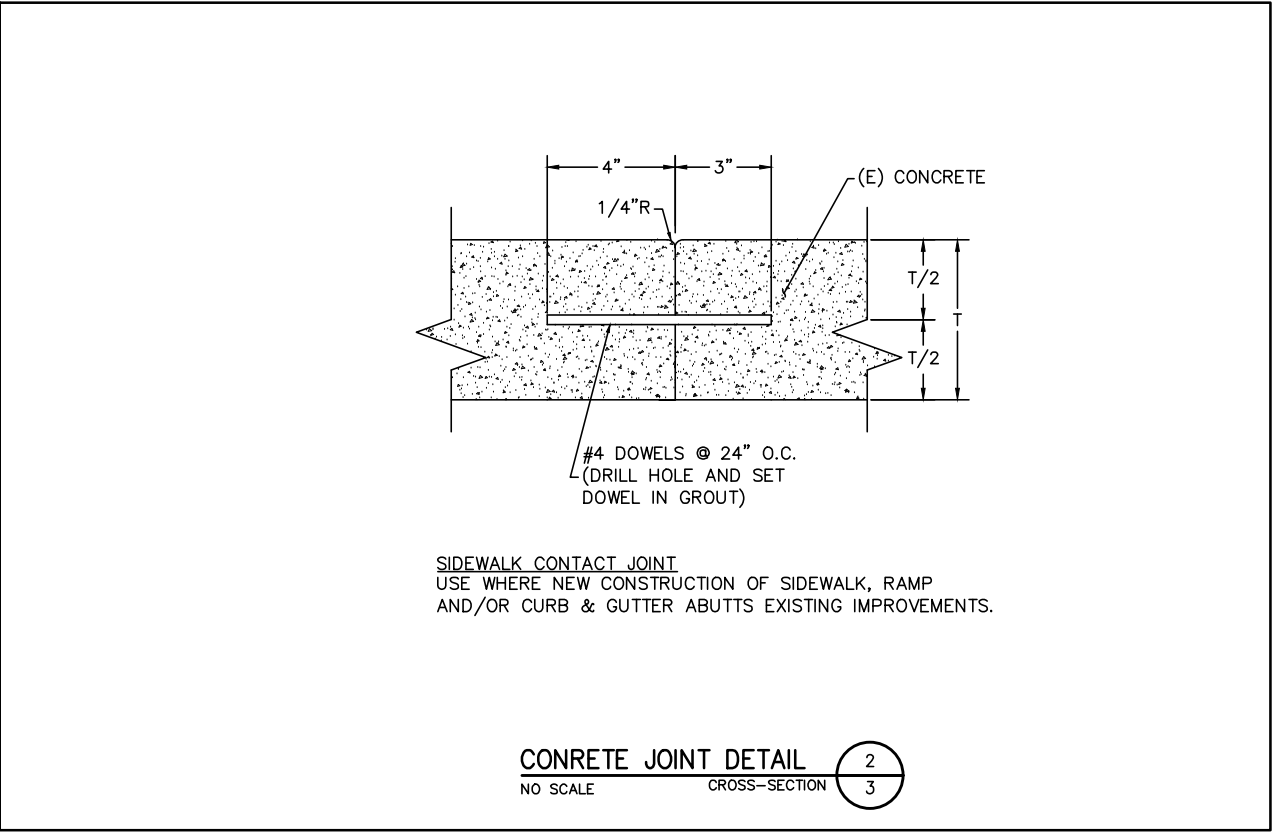
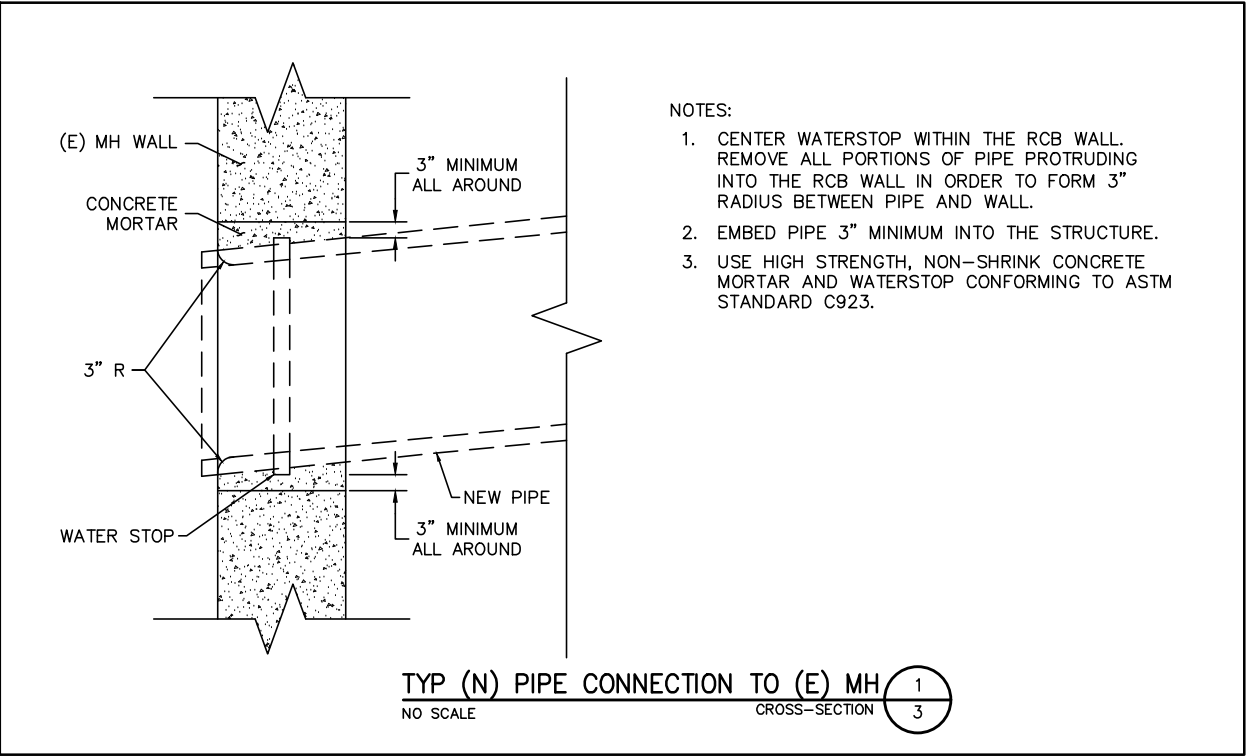
NOTE: PARALLELING UTILITIES NOTE SHOWN FOR CLARITY.



NOTE: PARALLELING UTILITIES NOTE SHOWN FOR CLARITY.

PRIOR TO CONSTRUCTION CONTRACTOR TO POTHOLE EXISTING UTILITIES TO CONFIRM LOCATION AND DEPTH OF COVER.

PLAN AND PROFILE	DRAWING C-2 SHEET: 4 OF 5 SCALE HORZ: 1" = 20' VERT: 1" = 4'	PLANS FOR THE CONSTRUCTION OF CONRAD STREET SEWER REPLACEMENT PROJECT SEWER MAIN REPLACEMENT CITY OF PLACERVILLE	 5/11/21 DATE PROJECT ENGINEER A.C. SCHIESTEL	APPROVED REBECCA NEVES DESIGNED A.C.S. DRAWN A.C.S. NO. REVISIONS	5/11/21 DATE CONTRACT NO. 41916 GRID NO. N/A FILE NO. N/A



SEWER DETAILS	DRAWING D-1	SHEET: 5 OF 5 SCALE HORZ: N/A VERT: AS SHOWN	PLANS FOR THE CONSTRUCTION OF CONRAD STREET SEWER REPLACEMENT PROJECT				 CITY OF PLACERVILLE ENGINEERING DEPARTMENT 3101 CENTER STREET PLACERVILLE, CA 95667 (530) 642-5250	PROJECT ENGINEER A.C. SCHIELTEL	 A.C. SCHIESEL No. C 77357 Exp. 6/30/21 STATE OF CA	APPROVED REBECCA NEVES A.C.S. DRAWN A.C.S. NO. REVISIONS	DATE 5/11/21	DATE 5/11/21	CONTRACT NO. 41916	GRID NO. N/A	FILE NO. N/A	APPROVAL BY DATE