

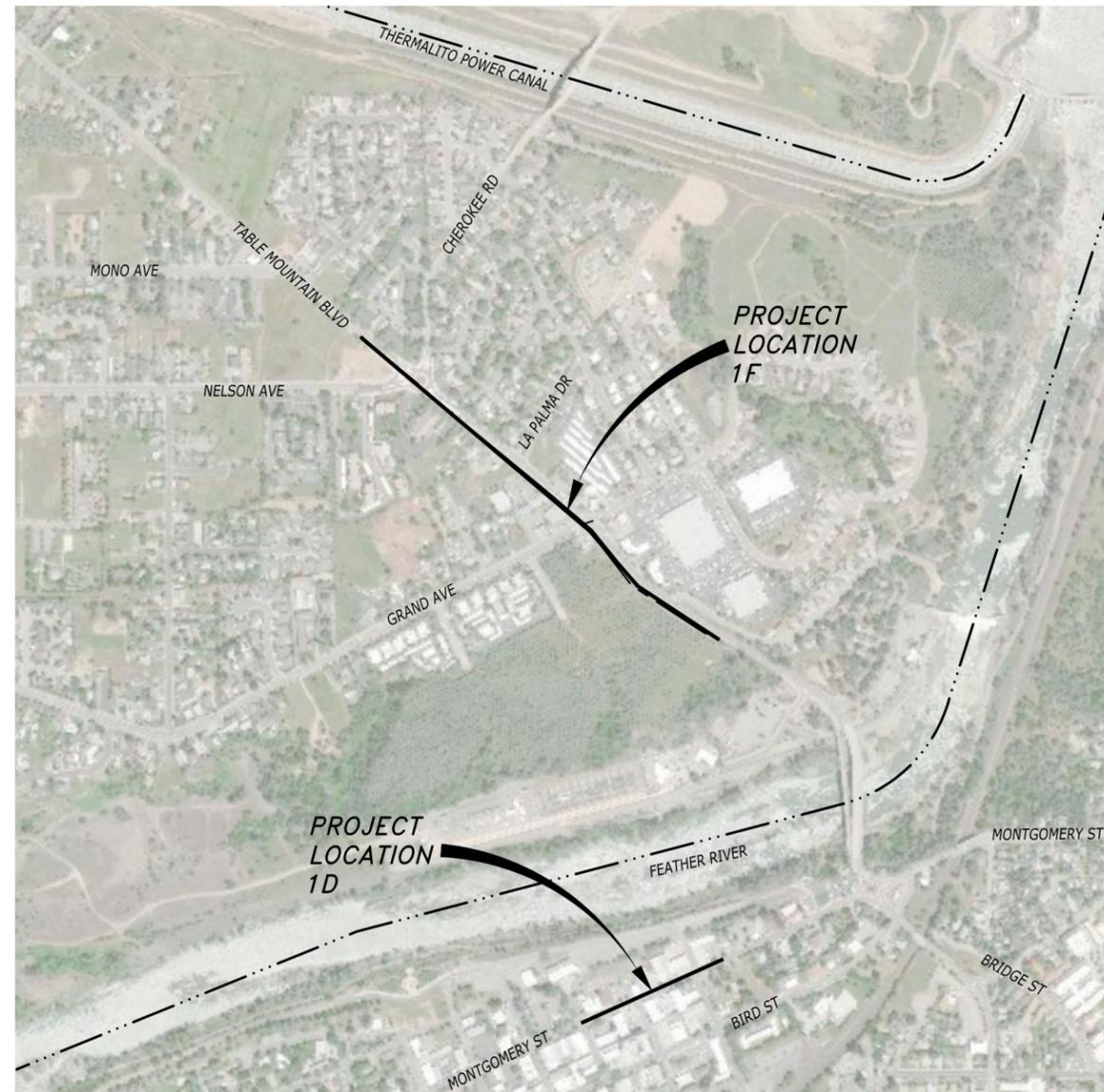
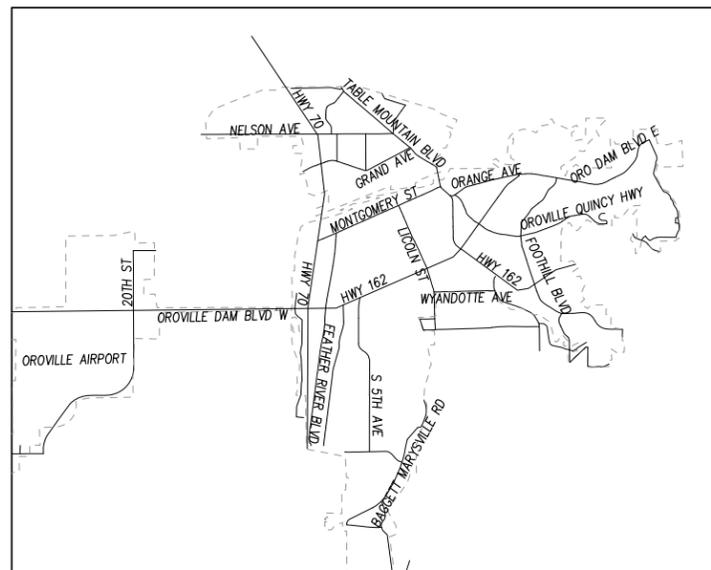
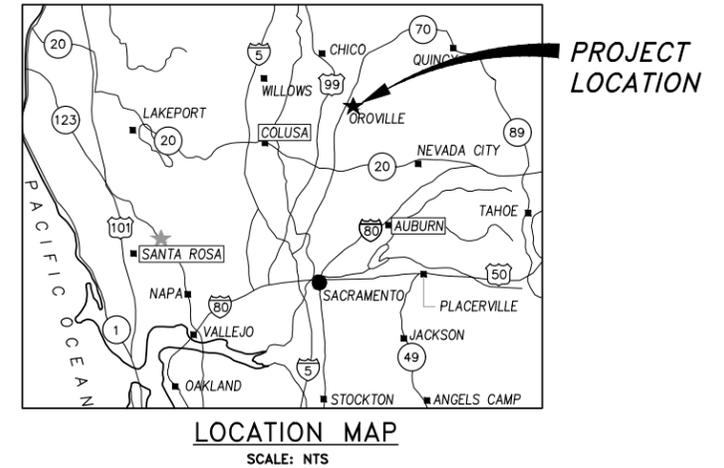


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OROVILLE SEWER PROJECTS - 1D&1F

ALONG MONTGOMERY STREET FROM OLIVER STREET TO MYERS STREET AND ALONG TABLE MOUNTAIN BOULEVARD FROM NELSON AVENUE TO RIVERVIEW TERRACE DRIVE WITHIN THE CITY OF OROVILLE, COUNTY OF BUTTE



UTILITY REPRESENTATIVES			
CONTACT	UTILITY	COMPANY	PHONE
CORT SCHREIBER	COMMUNICATIONS	AT&T	530-891-2392
BRANDON STOKES	COMMUNICATIONS	COMCAST	530-332-5993
LAIRD OELRICHS	GAS/ELECTRIC	PG&E	530-896-4258
JASON HAMMOND	WATER	CALIFORNIA WATER SERVICE CO.	530-893-6315
MATT COLWELL	WATER	SOUTH FEATHER WATER AND POWER	530-533-4578
CHRIS HEINDELL	WATER	THERMALITO WATER & SEWER DISTRICT	530-533-0740
SCOTT HOCH	SEWER	SCOR	530-538-7784
CODY NISSEN	SEWER	CITY OF OROVILLE	530-538-2490
MIKE GIESE	ELECTRIC	CITY OF OROVILLE	530-693-0596
SARA MUSE	PUBLIC TRANSPORT	BCAG	530-809-4616

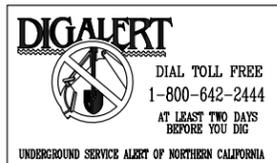
APPROVED FOR CONSTRUCTION

APPROVAL RECOMMENDED BY:

MATT THOMPSON, PE
CONTRACT CITY ENGINEER
CITY OF OROVILLE

DATE _____

APPROVALS ARE GOOD FOR 12 MONTHS FROM DATE OF SIGNATURE

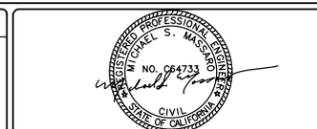


NO.	REVISIONS	BY	DATE

BENCH MARK ELEV : 238.57 DATUM : NAVD 88
DESCRIPTION :
THE HORIZONTAL DATUM IS NAD 83 CALIFORNIA ZONE 2 PER CITY OF OROVILLE HORIZONTAL CONTROL.
VERTICAL DATUM IS NAVD 88 PER CITY OF OROVILLE BENCHMARKS.

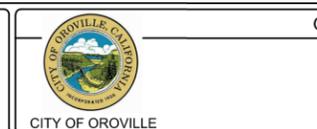
DESIGN BY : K.SETHARES
DRAWN BY : K.SETHARES
CHECKED BY : M.MASSARO
SCALE : AS SHOWN
DATE : 4/1/2020
PROJ NO. : 17601-200

VERIFY SCALE
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TRUSTED ENGINEERING ADVISORS

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OROVILLE SEWER PROJECTS - 1D&1F

TITLE SHEET

CALIFORNIA

Log# Name: bethares
 Plot Date: April 01, 2020 - 2:58 pm; Plot Style: ###
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GENERAL NOTES:

- ALL CONSTRUCTION AND MATERIALS SHALL CONFORM TO THESE PLANS, ALL CONDITIONS OF APPROVAL RELATED TO THIS PROJECT, AND TO THE LATEST EDITION OF THE CITY OF OROVILLE IMPROVEMENT STANDARDS.
- THE CONTRACTOR AGREES THAT, IN ACCORDANCE WITH THE GENERALLY ACCEPTED CONSTRUCTION PRACTICES, THE CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY. THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS. THE CONTRACTOR SHALL DEFEND, INDEMNIFY, AND HOLD THE CITY OF OROVILLE HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT.
- THE CONTRACTOR SHALL CONTACT THE CITY OF OROVILLE (MATT THOMPSON) 48 HOURS PRIOR TO THE START OF WORK TO ARRANGE A PRECONSTRUCTION FIELD MEETING. NO GRADING OR CONSTRUCTION MAY BE DONE PRIOR TO THE MEETING. CONTRACTOR SHALL OBTAIN AN ENCROACHMENT PERMIT FROM THE CITY OF OROVILLE PRIOR TO PERFORMING ANY WORK WITHIN PUBLIC RIGHT-OF-WAY OR EASEMENT.
- THE CITY OF OROVILLE IS A MEMBER OF THE UNDERGROUND SERVICES ALERT (USA) ONE-CALL PROGRAM. THE CONTRACTOR OR ANY SUBCONTRACTOR FOR THIS CONTRACT SHALL NOTIFY USA TWO (2) WORKING DAYS PRIOR TO PERFORMING ANY EXCAVATION WORK BY CALLING THE TOLL-FREE NUMBER 811 OR 800-642-2444. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFICATION OF ALL EXISTING UNDERGROUND UTILITIES, WHETHER OR NOT THEY ARE SHOWN ON THESE PLANS.
- IF ANY ARCHEOLOGICAL, CULTURAL, OR HISTORICAL RESOURCES, ARTIFACTS OR FEATURES ARE DISCOVERED DURING THE COURSE OF CONSTRUCTION ANYWHERE ON THE PROJECT SITE, WORK SHALL BE SUSPENDED WITHIN 150 FEET OF THAT LOCATION UNTIL A QUALIFIED PROFESSIONAL ARCHAEOLOGIST ASSESSES THE SIGNIFICANCE OF THE DISCOVERY AND PROVIDES CONSULTATION WITH THE CITY OF OROVILLE COMMUNITY DEVELOPMENT AND THE BUTTE COUNTY HISTORICAL SOCIETY. THE CITY OF OROVILLE COMMUNITY DEVELOPMENT AND THE BUTTE COUNTY HISTORICAL SOCIETY SHALL BE NOTIFIED AND ANY APPROPRIATE MEASURES AGREED UPON PRIOR TO THE RECOMMENCEMENT OF CONSTRUCTION IN THE AREA IN QUESTION.
- COMPLIANCE WITH NOISE RESTRICTIONS SHALL BE REQUIRED. HOURS OF CONSTRUCTION OPERATION SHALL BE LIMITED TO THE PERIOD FROM 7:00 A.M. TO 6:00 P.M. ON WEEKDAYS. WEEKEND WORK IS NOT PERMITTED WITHOUT APPROVAL FROM CITY. CONSTRUCTION EQUIPMENT SHALL BE MUFFLED AND SHROUDED TO MINIMIZE NOISE LEVELS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
- NO REFUELING, LUBRICATION, OR MAINTENANCE OF CONSTRUCTION VEHICLES SHALL BE DONE ANYWHERE ON THE SITE EXCEPT WITHIN APPROVED CONSTRUCTION STAGING AREAS. STAGING AREAS SHALL BE SET UP TO THE SATISFACTION OF THE CONSTRUCTION INSPECTOR AND THE FIRE DEPARTMENT. CONTRACTOR SHALL SUBMIT STAGING PLAN PRIOR TO COMMENCEMENT OF ALL CONSTRUCTION.
- THE CONTRACTOR SHALL LEAVE A MINIMUM OF 6 INCHES OF MANHOLE WALL UNDISTURBED BETWEEN CORINGS FOR PIPE TIE-INS. IF THIS CANNOT BE ACCOMPLISHED, A LARGER MANHOLE SHALL BE USED.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPLACING ANY AND ALL BROKEN AND/OR HAZARDOUS PUBLIC SIDEWALK OR CURB & GUTTER IF DAMAGED DURING CONSTRUCTION TO THE SATISFACTION OF THE CONSTRUCTION INSPECTOR.
- EROSION AND SEDIMENTATION CONTROL SHALL BE PERFORMED PER SECTION 15.88.060 OF THE OROVILLE MUNICIPAL CODE. CONTRACTOR SHALL PREPARE AND SUBMIT TO THE CITY FOR REVIEW AN EROSION AND SEDIMENT CONTROL PLAN IN ACCORDANCE WITH THE BUTTE COUNTY EROSION CONTROL PLAN REQUIREMENTS. FIELD APPLICATION OF THE CONTROLS AND TIMING OF IMPLEMENTATION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- CONTRACTOR SHALL BE RESPONSIBLE FOR IMPLEMENTING THE BEST MANAGEMENT PRACTICES TO MAINTAIN POSITIVE POLLUTION PREVENTION, AS DESCRIBED IN THE ECP, MATERIALS, AND THE COSTS THEREOF, FOR STORMWATER POLLUTION PREVENTION ARE THE RESPONSIBILITY OF THE CONTRACTOR. CHANGES TO THE EROSION PREVENTION AND SEDIMENT CONTROL PLAN MAY BE MADE TO RESPOND TO FIELD CONDITIONS WITH APPROVAL BY THE ENGINEER.
- CONTRACTOR SHALL PROVIDE A TRAFFIC CONTROL PLAN TO PUBLIC WORKS FOR EACH STAGE OF CONSTRUCTION PRIOR TO ISSUANCE OF ENCROACHMENT PERMIT. TRAFFIC CONTROL PLANS SHALL BE SUBMITTED A MINIMUM OF TWO WEEKS PRIOR TO COMMENCEMENT OF WORK OR DETOURING OF TRAFFIC PATTERNS. ALL TRAFFIC CONTROL DEVICES SHALL BE INSTALLED AND CONFORM TO STATE OF CALIFORNIA MUTCD 2017.
- THE CONTRACTOR SHALL PRACTICE SAFETY AT ALL TIMES AND SHALL FURNISH, ERECT, AND MAINTAIN SUCH FENCES, BARRICADES, LIGHTS AND SIGNS NECESSARY TO GIVE ADEQUATE PROTECTION TO THE PUBLIC AT ALL TIMES. TEMPORARY TRAFFIC CONTROL SHALL BE APPROVED BY ENGINEER.
- THE CONTRACTOR SHALL COORDINATE THROUGH THE CONSTRUCTION INSPECTOR WITH THE CITY OF OROVILLE LANDSCAPING AND LIGHTING MAINTENANCE ASSESSMENT DISTRICT (LLMAD) MANAGER FOR THE REMOVAL, RELOCATION, AND/OR REPLACEMENT OF ALL EXISTING PLANT MATERIAL IMPACTED BY CONSTRUCTION, WHICH IS MAINTAINED BY THE LANDSCAPING AND LIGHTING DISTRICT, AND FOR ANY SHUTDOWNS OF EXISTING IRRIGATION SYSTEMS.
 - UNLESS OTHERWISE AGREED TO IN WRITING, REPLACEMENT PLANTS SHALL BE OF THE SAME TYPE AND OF COMPARABLE SIZE TO THOSE REMOVED.
 - THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THE EXISTING IRRIGATION SYSTEM DURING CONSTRUCTION, INCLUDING REPAIRS OF ANY CONSTRUCTION DAMAGE.
 - THE CONTRACTOR SHALL GIVE A MINIMUM OF 48 HOURS NOTICE OF INTENT TO SHUT DOWN THE EXISTING IRRIGATION SYSTEM TO THE CITY.
 - THE CONTRACTOR WILL BE RESPONSIBLE FOR ANY PLANT MATERIAL WHICH IS DAMAGED BY CONSTRUCTION ACTIVITY, WHETHER DIRECTLY OR AS A RESULT OF INSUFFICIENT WATER OR SIMILAR CAUSES.
 - THE CONTRACTOR SHALL EXERCISE CARE WHEN CUTTING INTO EXISTING IRRIGATION MAINLINES TO PREVENT THE INTRODUCTION OF DIRT OR OTHER FOREIGN MATERIALS INTO THE PIPE WHICH MAY CLOG EXISTING HEADS OR OTHERWISE DAMAGE THE SYSTEM.
 - PRIOR TO FINAL ACCEPTANCE OF THE IMPROVEMENTS SHOWN ON THESE PLANS, THE LANDSCAPING AND IRRIGATION SHALL BE RESTORED TO THE CITY'S SATISFACTION.
- REQUIREMENTS - ALL LEAKAGE TESTS SHALL BE COMPLETED AND APPROVED AFTER CITY ACCEPTANCE OF STREET SUBGRADE IN NEW STREETS AND/OR TRENCH BACKFILL IN EXISTING STREETS EXCEPT FOR THE MANHOLE VACUUM TEST. ANY EXCAVATION REQUIRED FOR TESTING OR REPAIRS SHALL BE BACKFILLED WITH AGGREGATE BASE COMPACTED TO 95% RELATIVE COMPACTION. ALL TESTING SHALL BE PERFORMED BY THE CONTRACTOR AT HIS EXPENSE.
- THE CONTRACTOR IS RESPONSIBLE FOR REMOVAL AND DISPOSAL OF HAZARDOUS MATERIALS INCLUDING ASBESTOS CEMENT PIPING, IF ENCOUNTERED.
- REMOVE ALL DEBRIS FROM THE SITE AND LEAVE THE SITE IN A NEAT AND ORDERLY CONDITION. DISPOSE OF DEBRIS OFF SITE AT A LOCATION APPROVED BY THE ENGINEER.

- CONTRACTOR SHALL CCTV ALL EXISTING GRAVITY PIPELINES THAT ARE CROSSED UNDER BY THE PROPOSED SANITARY SEWER PIPELINES TO CONFIRM NO SETTLEMENT HAS OCCURRED AFTER THE PROPOSED SANITARY SEWER PIPELINE HAS BEEN INSTALLED AND THE TRENCH BACKFILLED AND COMPACTED. CONTRACTOR SHALL SUBMIT ALL CCTV FOOTAGE TO THE CITY.

GRADING NOTES:

- AN ENCROACHMENT PERMIT IS REQUIRED FOR ALL WORK TO BE DONE WITHIN PUBLIC RIGHTS-OF-WAY OR EASEMENTS, AND FOR CONNECTIONS TO PUBLICLY-OWNED AND MAINTAINED FACILITIES.
- CALL UNDERGROUND SERVICE ALERT (USA) AT 811 OR 800-642-2444, FORTY-EIGHT (48) HOURS PRIOR TO ANY GRADING/EXCAVATION ACTIVITY.
- THE CONTRACTOR SHALL NOTIFY THE CITY OF OROVILLE (MATT THOMPSON), TWENTYFOUR (24) HOURS PRIOR TO COMMENCEMENT OF ANY GRADING.
- CONTRACTOR SHALL OBTAIN AN APPROVED WATER METER FROM THE CITY AT THE OWNER'S EXPENSE.
- CLEARING AND GRUBBING SHALL CONFORM TO THE PROVISIONS OF SECTION 16 OF THE STANDARD SPECIFICATIONS.
- ALL EXCAVATION, EMBANKMENT, BACKFILL, ETC., SHALL CONFORM TO THE PROVISIONS IN SECTION 19, "EARTHWORK," OF THE STANDARD SPECIFICATIONS.
- NO WORK SHALL BE DONE UNDER OR WITHIN THE TREE PROTECTION ZONE (TPZ) OF ANY EXISTING TREE WITHOUT A VALID TREE PERMIT.
- THERE SHALL BE NO TRESPASSING OF ANY KIND INTO PUBLIC OR PRIVATE OPEN SPACE AREAS.
- PRIOR TO THE COMMENCEMENT OF GRADING OPERATIONS, TREES TO BE PRESERVED SHALL BE FENCED IN ACCORDANCE WITH SECTION 12.01 OF THE STANDARD CONSTRUCTION SPECIFICATIONS. FIELD PLACEMENT OF FENCING SHALL BE REVIEWED AND APPROVED BY THE CITY ARBORIST PRIOR TO THE COMMENCEMENT OF GRADING OPERATIONS. NO TRENCHING, EXCAVATION, AND/OR ENCROACHMENT SHALL OCCUR BENEATH THE DRIP LINE OF ANY OAK TREE TO BE PRESERVED UNLESS APPROVED BY THE CITY ARBORIST.

ABBREVIATIONS:

L	ANGLE	LBS	POUNDS
AB	AGGREGATE BASE	LF	LINEAR FOOT/FEET
ABND	ABANDON	LP	LOW POINT
AC	ASPHALT CONCRETE	LT	LEFT, LIGHT
ALUM	ALUMINUM	L/S	LANDSCAPING
AP	ANGLE POINT	MAX	MAXIMUM
APPROX	APPROXIMATE	MFR	MANUFACTURER
AVE	AVENUE	MG	MILLION GALLONS
BEG	BEGIN	MH	MANHOLE
BF	BLIND FLANGE	MJ	MECHANICAL JOINT
BFP	BACKFLOW PREVENTER	MP	MIDPOINT
BV	BLOW-OFF VALVE	NPS	NOMINAL PIPE SIZE
BL	BREAK LINE	OC	ON CENTER
BOV	BUTT WELD	OD	OUTSIDE DIAMETER
BV	BALL VALVE	OH	OVERHEAD
BW	BUTT WELD END	PB	PULL BOX
BWE	BUTT WELD END	PE	POLYETHYLENE
C&G	CURB AND GUTTER	PERF	PERFORATED
C&S	CURB, GUTTER, AND SIDEWALK	R	PROPERTY LINE
CL	CENTER LINE	PP	POWER POLE
CH	CHORD	PRV	PRESSURE REDUCING VALVE
CI	CAST IRON	PT	POINT
CLR	CLEAR	PUB	PUBLIC
CMP	CORRUGATED METAL PIPE	PUE	PUBLIC UTILITY EASEMENT
CO	CLEANOUT, COUNTY	PWMT	PAVEMENT
COMM	COMMUNICATIONS	RCP	REINFORCED CONCRETE PIPE
CONC	CONCRETE	RD	ROAD, RING DRAIN
CONSTR	CONSTRUCT	R,R=	RADIUS
CORP	CORPORATION	RS	RISING STEM
CP	CONTROL POINT	RT	RIGHT
CV	CHECK VALVE	R/W, ROW	RIGHT-OF-WAY
DECHLOR	DECHLORINATION	S=	SCHEDULE
DEPT	DEPARTMENT	SD	STORM DRAIN
DI	DUCTILE IRON	SDCO	STORM DRAIN CLEANOUT
DIA	DIAMETER	SDMH	STORM DRAIN MANHOLE
DIP	DUCTILE IRON PIPE	SDR	STANDARD DIMENSION RATIO
DTL	DETAIL	S/SW	SIDEWALK SECTION
DWG	DRAWING	SHT	SHEET
E,ELEC	ELECTRIC	SL	STREET LIGHT
EA	EACH	SL	SPECIFICATIONS
ECP	EROSION CONTROL PLAN	SS	SANITARY SEWER
EG	EXISTING GRADE	SSMH	SANITARY SEWER MANHOLE
EJ	EXPANSION JOINT	SF	SQUARE FEET
EL, ELEV	ELEVATION	SSCO	SANITARY SEWER CLEANOUT
ELL	ELBOW	SST	STAINLESS STEEL
EP	EDGE OF PAVEMENT	ST	STREET
ER	EDGE OF ROAD	STA	STATION
EW	EACH WAY	STD	STANDARD
EX	EXISTING	STL	STEEL
FCA	FLANGED COUPLING ADAPTER	T	TELEPHONE
FG	FINISHED GRADE	TBM	TEMPORARY BENCHMARK
FH	FIRE HYDRANT	TC	TOP OF CONCRETE
FL	FLOW LINE	TP	TELEPHONE POLE
FLG	FLANGE	TS	TRAFFIC SIGNAL
FM	FORCE MAIN	TYP	TYPICAL
FO	FIBER OPTIC	UGE	UNDERGROUND ELECTRIC
G	GAS	UNO	UNLESS OTHERWISE NOTED
GALV	GALVANIZED	VAR	VARIABLES
GB	GRADE BREAK	W	WEST
GM	GAS METER	W	WATER
GR	GRATE, GRATE ELEVATION	W, WTR	WITH WATER
HDPE	HIGH DENSITY POLYETHYLENE	WM	WATER METER
HSS	HOLLOW STRUCTURAL SECTION	WV	WATER VALVE
HP	HORSEPOWER, HINGE POINT, HIGH POINT	WY	WAY
ICV	IRRIGATION CONTROL VALVE		
ID	INSIDE DIAMETER		
IN	INCHES		
INV	INVERT		
JP	JOINT POLE		
L=	LENGTH		

LEGEND

	EXISTING	PROPOSED
ABANDON PIPE	ABND	ABND
AIR RELEASE VALVE		
AIR VACUUM RELEASE VALVE		
ASSESSOR'S PARCEL NO.	25-025-254	
BLOW-OFF VALVE		
BOLLARD		
BORING HOLE LOCATION		
BUILDING		
BUTTERFLY VALVE		
CENTERLINE	Lo1	Lo1
CHECK VALVE		
DRAINAGE INLET		
EASEMENT LINE		
EDGE OF PAVEMENT		
ELECTRIC BOX		
ELECTRICAL MANHOLE		
FENCE LINE		
FIRE DEPARTMENT CONNECTION		
FIRE HYDRANT		
FLOW METER		
FLOWLINE		
IRRIGATION CONTROL VALVE		
MONITORING WELL		
MANHOLE		
OVERHEAD ELECTRIC		
PLUG VALVE		
POLE W/ GUY WIRE & ANCHOR		
POST INDICATOR VALVE		
PROJECT COORDINATE		
PROPERTY LINE		
RIGHT OF WAY (R/W)		
RISE OR DROP		
SANITARY SEWER CLEAN OUT		
SEWER MAIN		
SEWER MANHOLE		
SPOT ELEVATION		
STORM DRAIN		
STORM DRAIN MANHOLE		
AREA LIGHT		
STREET SIGN		
SURVEY CONTROL POINT		
SURVEY MONUMENT/BENCH MARK		
TELEPHONE MANHOLE		
TOP OF EMBANKMENT		
TOE OF EMBANKMENT		
UNDERGROUND COMM		
UNDERGROUND ELECTRIC		
UNDERGROUND GAS		
UTILITY POLE		
WATER MANHOLE		
WATER METER		
WATER PIPE		
WATER VALVE		
YARD LIGHT		

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 User: bethares

NO.	REVISIONS	BY	DATE

BENCH MARK ELEV : 238.57 DATUM : NAVD 88
 DESCRIPTION :
 THE HORIZONTAL DATUM IS NAD 83 CALIFORNIA ZONE
 2 PER CITY OF OROVILLE HORIZONTAL CONTROL.
 VERTICAL DATUM IS NAVD 88 PER CITY OF OROVILLE
 BENCHMARKS.

DESIGN BY : K.SETHARES
 DRAWN BY : K.SETHARES
 CHECKED BY : M.MASSARO
 SCALE : N/A
 DATE : 4/1/2020
 PROJ NO. : 17601-200

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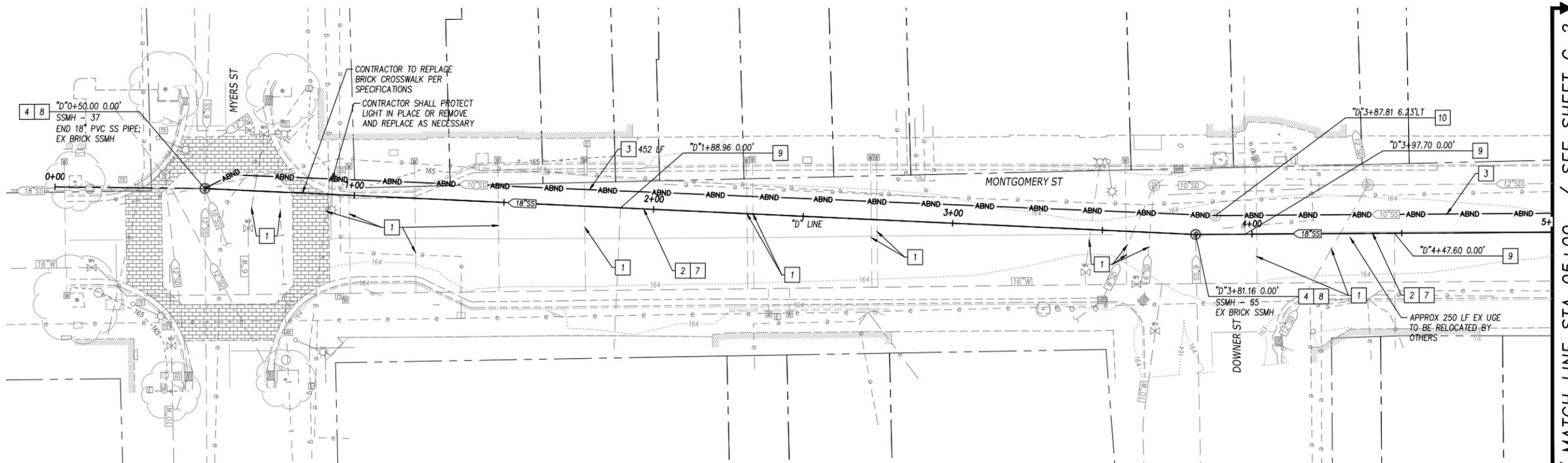


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OROVILLE SEWER PROJECTS - 1D&1F
GENERAL NOTES
 CALIFORNIA

MONTGOMERY STREET



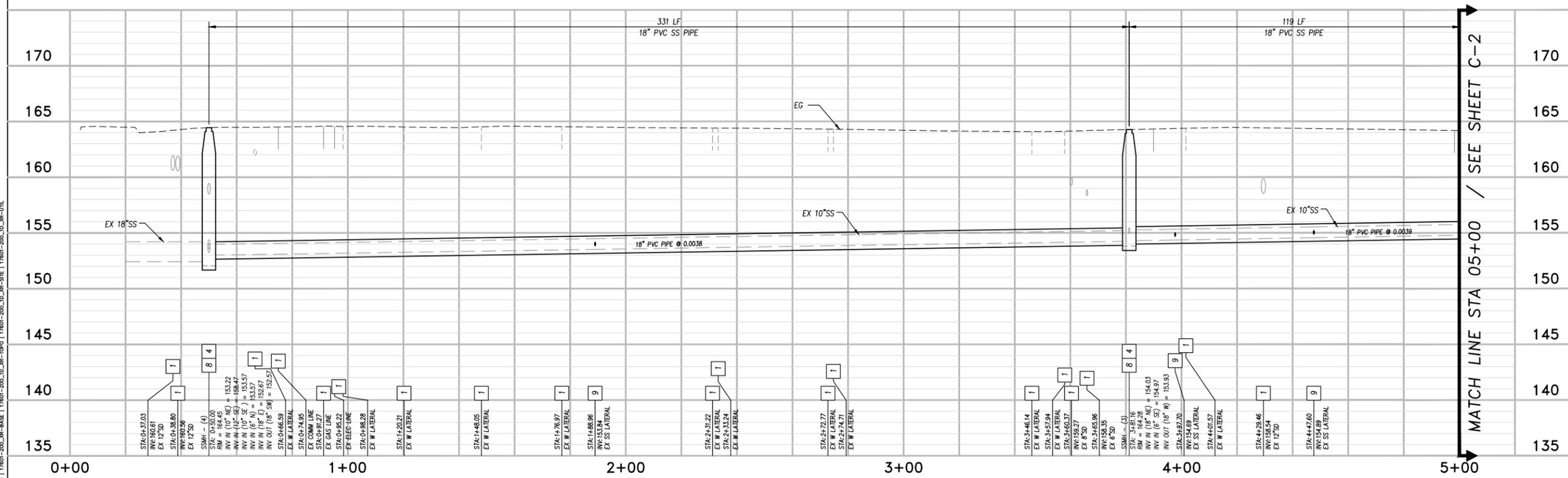
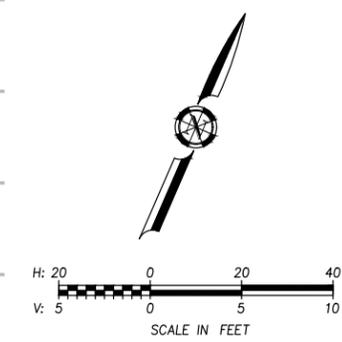
CONSTRUCTION NOTES:

- 1 PROTECT EX UTILITY OR STRUCTURE IN PLACE
- 2 REMOVE EX SS PIPE
- 3 ABANDON EX SS PIPE
- 4 CONNECT TO EX SS PIPE OR SSMH
- 5 INSTALL 15" PVC PIPE PER DTL 2 SHT C-11
- 6 INSTALL 48" SSMH PER DTL 1 SHT C-11
- 7 INSTALL 18" PVC PIPE PER DTL 2 SHT C-11
- 8 REMOVE AND REPLACE EX 48" SSMH PER DTL 1 SHT C-11
- 9 CONNECT EX SEWER LATERAL TO NEW PIPE PER DTL 3 SHT C-12
- 10 ABANDON EX 48" SSMH PER DTL 3 SHT C-12
- 11 POT HOLE EX BURIED SDMH; REMOVE AND REPLACE W/ 24" PVC SD
- 12 INSTALL 8" PVC PIPE PER DTL 2 SHT C-11

NOTES:

- 1. ASSUMED DEPTH FOR ALL DRY UTILITIES, WATER SERVICES, AND SEWER LATERALS. CONTRACTOR TO VERIFY LOCATION, SIZE, & DEPTH IN FIELD PRIOR TO COMMENCING ALL WORK. CONTRACTOR TO SUBMIT ALL POT HOLE RESULTS TO THE CITY.
- 2. CONTRACTOR TO NOTIFY RESIDENTS OF SERVICE INTERRUPTION 3 DAYS PRIOR TO INTERRUPTION.
- 3. REPAIR STREET SECTIONS PER DTL 3 SHT C-11.
- 4. CONTRACTOR SHALL MAINTAIN 12" VERTICAL SEPARATION BETWEEN PROPOSED PIPE AND CROSSING UTILITIES.
- 5. UNSTABLE BACKFILL MATERIALS ARE EXPECTED WHERE PROPOSED WORK IS IN CLOSE PROXIMITY TO EXISTING TRENCH LINES AND MANHOLES. CONTRACTOR SHALL DESIGN AND IMPLEMENT A SHORING SYSTEM ACCORDINGLY.

LEGEND:



NO.	REVISIONS	BY	DATE

BENCH MARK ELEV: 238.57 DATUM: NAVD 88
 DESCRIPTION:
 THE HORIZONTAL DATUM IS NAD 83 CALIFORNIA ZONE 2 PER CITY OF OROVILLE HORIZONTAL CONTROL. VERTICAL DATUM IS NAVD 88 PER CITY OF OROVILLE BENCHMARKS.

DESIGN BY: K.SETHARES
 DRAWN BY: K.SETHARES
 CHECKED BY: M.MASSARO
 SCALE: H: 1"=20'; V: 1"=5'
 DATE: 4/1/2020
 PROJ NO.: 17601-200

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OROVILLE SEWER PROJECTS - 1D&1F
PLAN & PROFILE - MONTGOMERY STREET
 STA 00+00 to STA 05+00
 CALIFORNIA

C-1
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 OF
 15

Log# Name: ksethares
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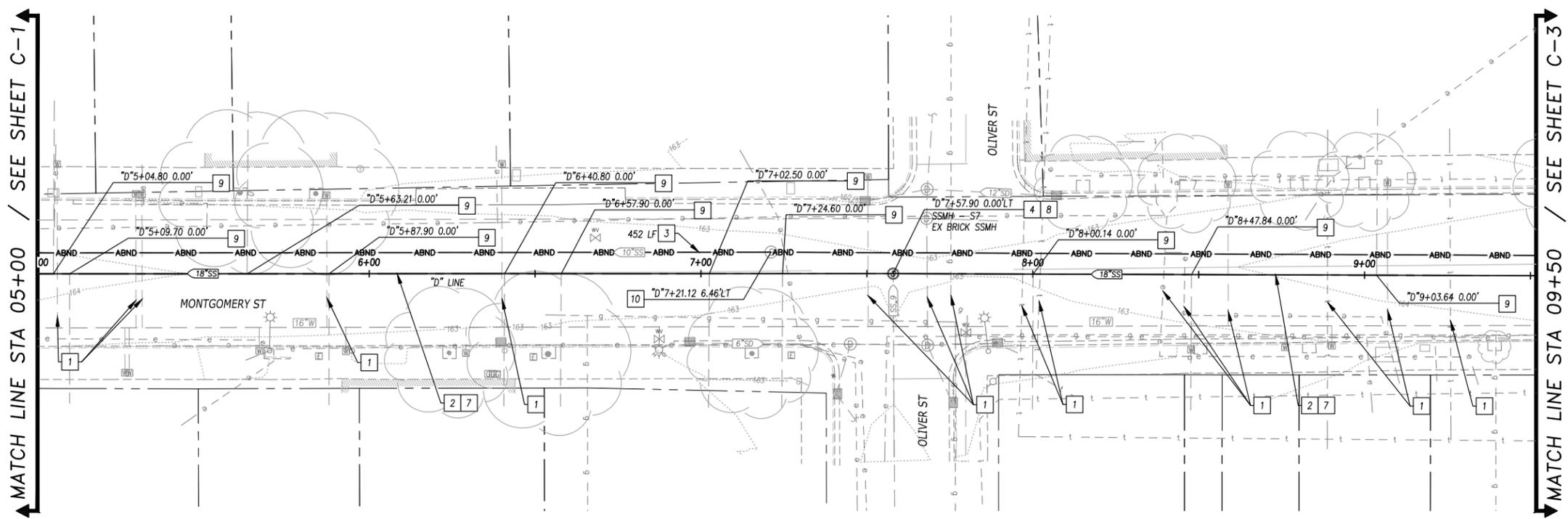
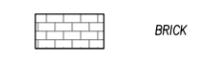
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- 7 INSTALL 18" PVC PIPE PER DTL 2 SHT C-11
- 8 REMOVE AND REPLACE EX 48" SSMH PER DTL 1 SHT C-11
- 9 CONNECT EX SEWER LATERAL TO NEW PIPE PER DTL 3 SHT C-12
- 10 ABANDON EX 48" SSMH PER DTL 3 SHT C-12
- 11 POT HOLE EX BURIED SSMH; REMOVE AND REPLACE W/ 24" PVC SD
- 12 INSTALL 8" PVC PIPE PER DTL 2 SHT C-11

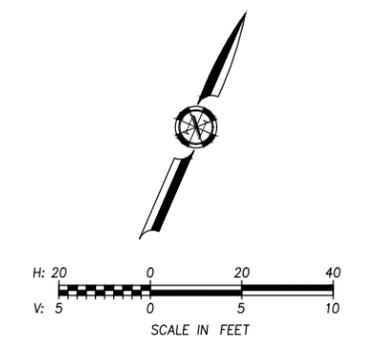
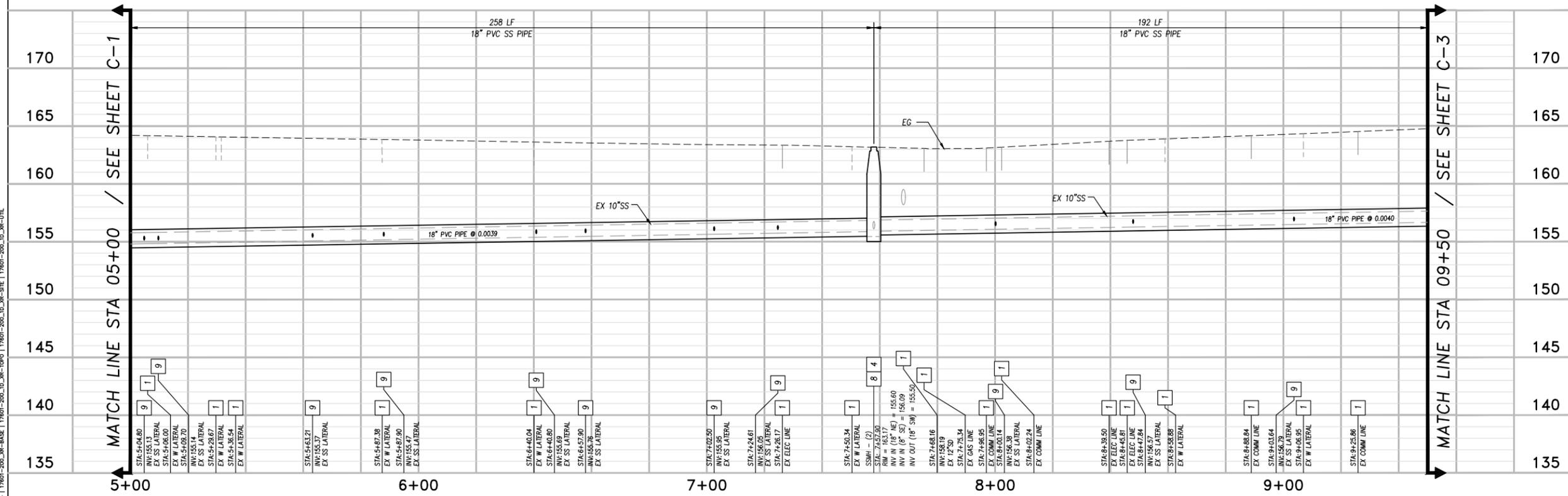
NOTES:

- 1. ASSUMED DEPTH FOR ALL DRY UTILITIES, WATER SERVICES, AND SEWER LATERALS. CONTRACTOR TO VERIFY LOCATION, SIZE, & DEPTH IN FIELD PRIOR TO COMMENCING ALL WORK. CONTRACTOR TO SUBMIT ALL POT HOLE RESULTS TO THE CITY.
- 2. CONTRACTOR TO NOTIFY RESIDENTS OF SERVICE INTERRUPTION 3 DAYS PRIOR TO INTERRUPTION.
- 3. REPAIR STREET SECTIONS PER DTL 3 SHT C-11.
- 4. CONTRACTOR SHALL MAINTAIN 12" VERTICAL SEPARATION BETWEEN PROPOSED PIPE AND CROSSING UTILITIES.
- 5. UNSTABLE BACKFILL MATERIALS ARE EXPECTED WHERE PROPOSED WORK IS IN CLOSE PROXIMITY TO EXISTING TRENCH LINES AND MANHOLES. CONTRACTOR SHALL DESIGN AND IMPLEMENT A SHORING SYSTEM ACCORDINGLY.

LEGEND:



MONTGOMERY STREET



Log# Name: ksethars
 Print Date: April 01, 2020 - 9:10 am; Plot Style: ###
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NO.	REVISIONS	BY	DATE

BENCH MARK ELEV: 238.57 DATUM: NAVD 88
 DESCRIPTION:
 THE HORIZONTAL DATUM IS NAD 83 CALIFORNIA ZONE 2 PER CITY OF OROVILLE HORIZONTAL CONTROL. VERTICAL DATUM IS NAVD 88 PER CITY OF OROVILLE BENCHMARKS.

DESIGN BY: K.SETHARES
 DRAWN BY: K.SETHARES
 CHECKED BY: M.MASSARO
 SCALE: H:1"=20'; V:1"=5'
 DATE: 4/1/2020
 PROJ NO.: 17601-200

VERIFY SCALE
 BAR IS ONE INCH ON ORIGINAL DRAWING.
 IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

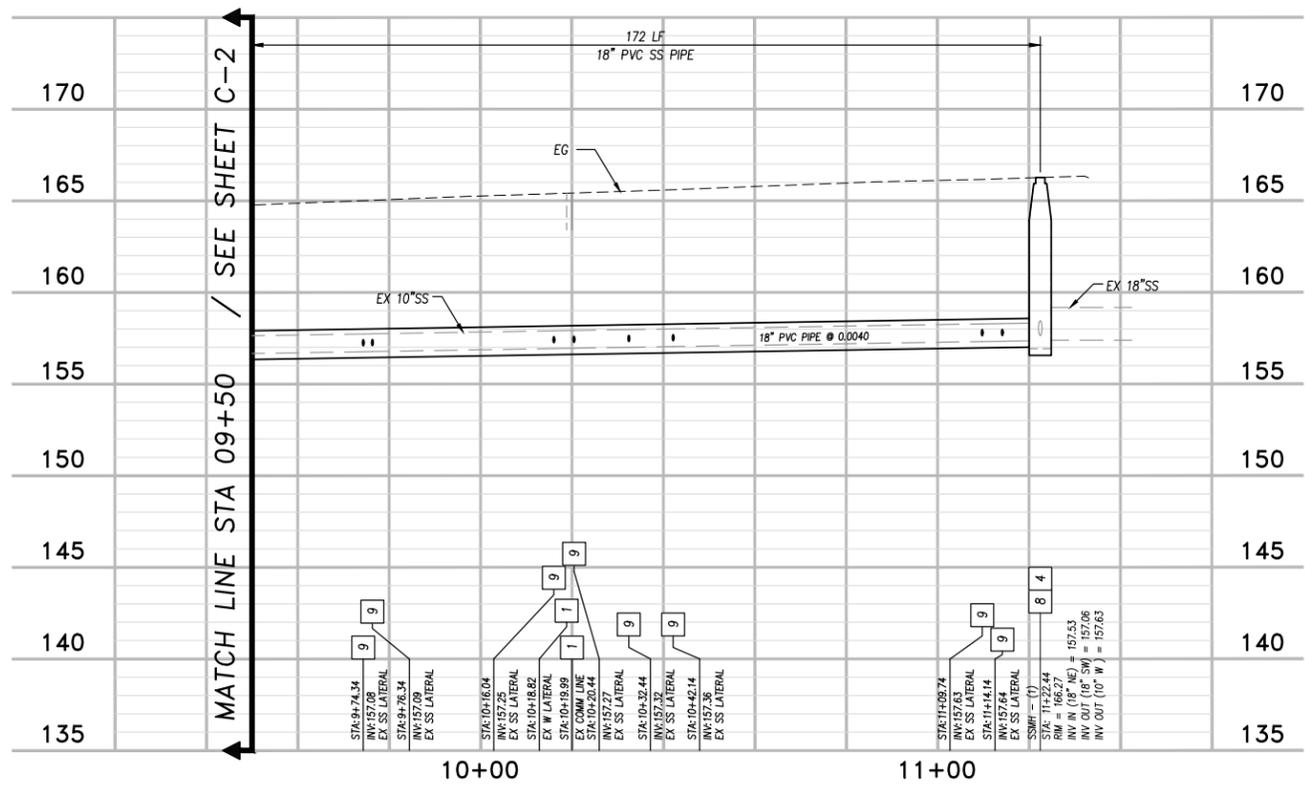
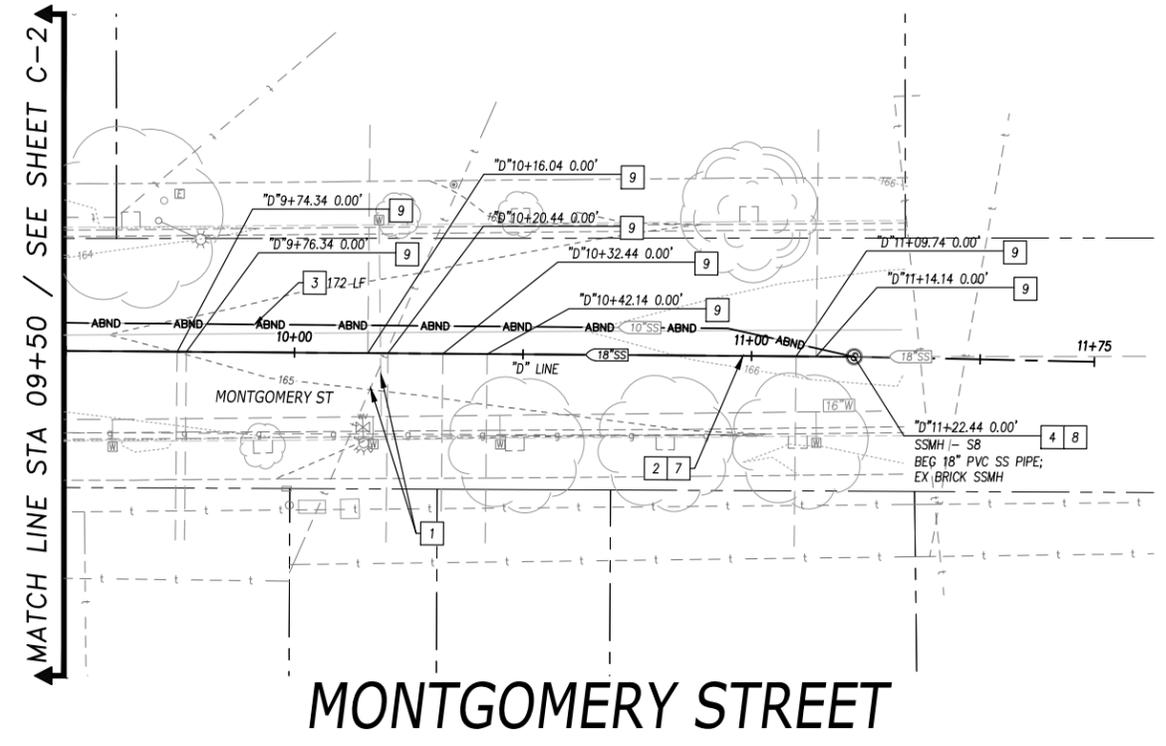


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 Bennett Engineering Services
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 Roseville, California 95661
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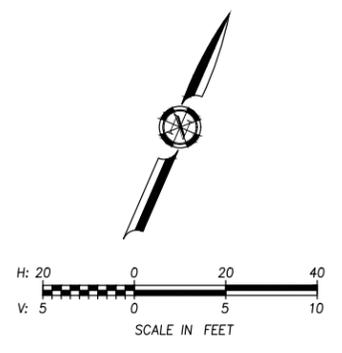
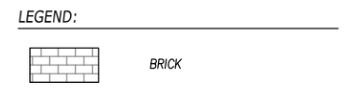
OROVILLE SEWER PROJECTS - 1D&1F
PLAN & PROFILE - MONTGOMERY STREET
 STA 05+00 to STA 09+50
 CALIFORNIA

Log# Name: bethares
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 Plot Size: Barch-17601-200-11x17.5



- CONSTRUCTION NOTES:**
- 1 PROTECT EX UTILITY OR STRUCTURE IN PLACE
 - 2 REMOVE EX SS PIPE
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 - 8 REMOVE AND REPLACE EX 48" SSMH PER DTL 1 SHT C-11
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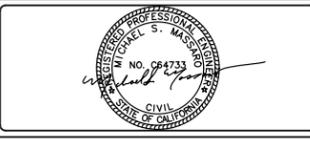


NO.	REVISIONS	BY	DATE

BENCH MARK ELEV: 238.57 DATUM: NAVD 88
 DESCRIPTION:
 THE HORIZONTAL DATUM IS NAD 83 CALIFORNIA ZONE 2 PER CITY OF OROVILLE HORIZONTAL CONTROL.
 VERTICAL DATUM IS NAVD 88 PER CITY OF OROVILLE BENCHMARKS.

DESIGN BY: K.SETHARES
 DRAWN BY: K.SETHARES
 CHECKED BY: M.MASSARO
 SCALE: H: 1"=20'; V: 1"=5'
 DATE: 4/1/2020
 PROJ NO.: 17601-200

VERIFY SCALE
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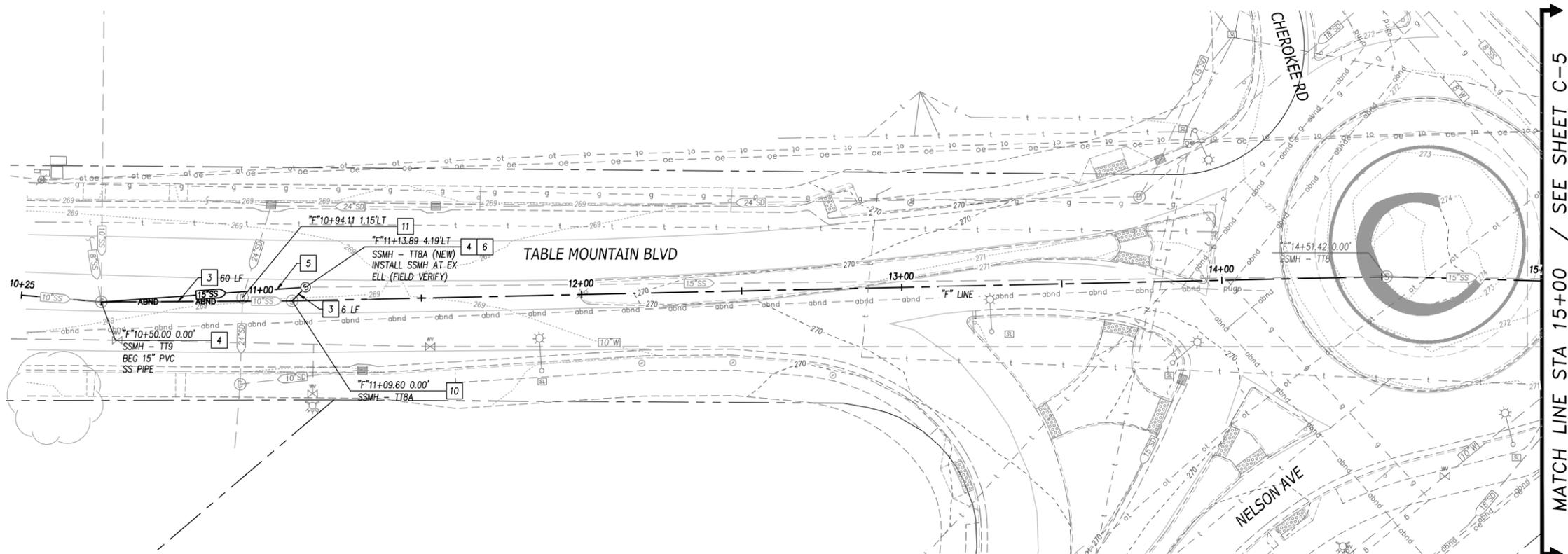
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 Roseville, California 95661
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OROVILLE SEWER PROJECTS - 1D&1F
PLAN & PROFILE - MONTGOMERY STREET
 STA 09+50 to STA 11+75
 CALIFORNIA

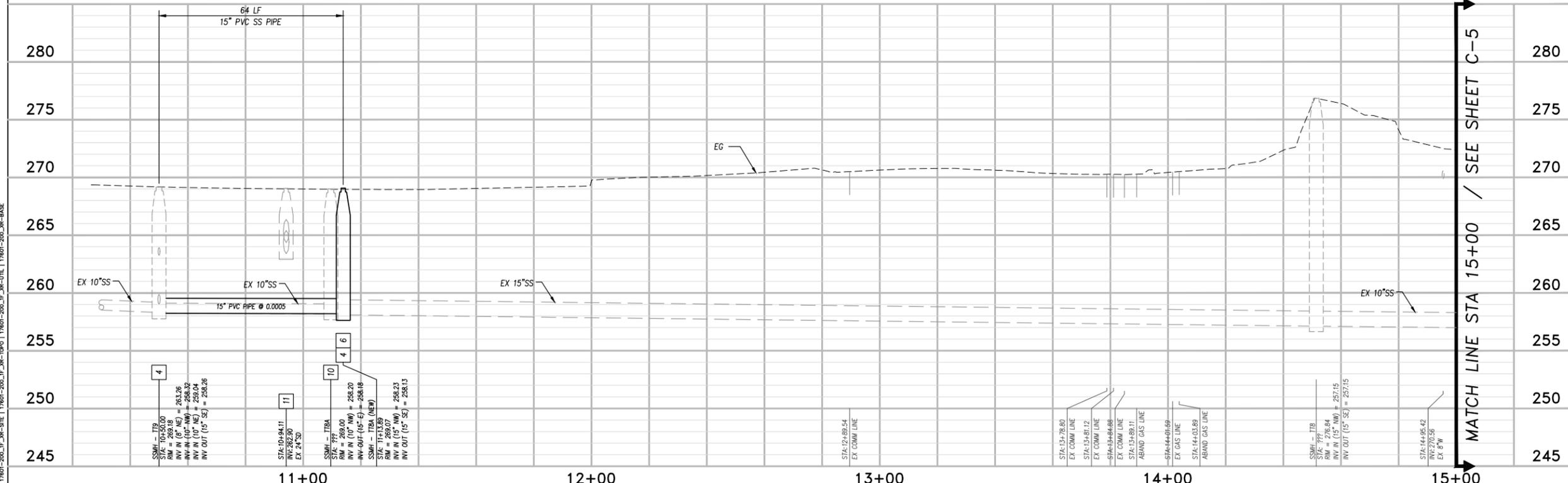
TABLE MOUNTAIN BOULEVARD



- CONSTRUCTION NOTES:**
- 1 PROTECT EX UTILITY OR STRUCTURE IN PLACE
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MATCH LINE STA 15+00 / SEE SHEET C-5



LEGEND:

BRICK

SCALE IN FEET

H: 20
V: 5

MATCH LINE STA 15+00 / SEE SHEET C-5

NO.	REVISIONS	BY	DATE

BENCH MARK ELEV: 238.57 DATUM: NAVD 88
DESCRIPTION: THE HORIZONTAL DATUM IS NAD 83 CALIFORNIA ZONE 2 PER CITY OF OROVILLE HORIZONTAL CONTROL. VERTICAL DATUM IS NAVD 88 PER CITY OF OROVILLE BENCHMARKS.

DESIGN BY: K.SETHARES
DRAWN BY: K.SETHARES
CHECKED BY: M.MASSARO
SCALE: H: 1"=20'; V: 1"=5'
DATE: 4/1/2020
PROJ NO.: 17601-200

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OROVILLE SEWER PROJECTS - 1D&1F

PLAN & PROFILE - TABLE MOUNTAIN
STA 10+25 to STA 15+00

CALIFORNIA

Log# Name: ksethares
 Plot Date: April 01, 2020 - 01:14 am; Plot Style: ###
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 Plot Size: 17601-200-06-C3 (17601-200-06-C3) 11/16/2019 11:00:00 AM
 User: ksethares

CONSTRUCTION NOTES:

- 1 PROTECT EX UTILITY OR STRUCTURE IN PLACE
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LEGEND:

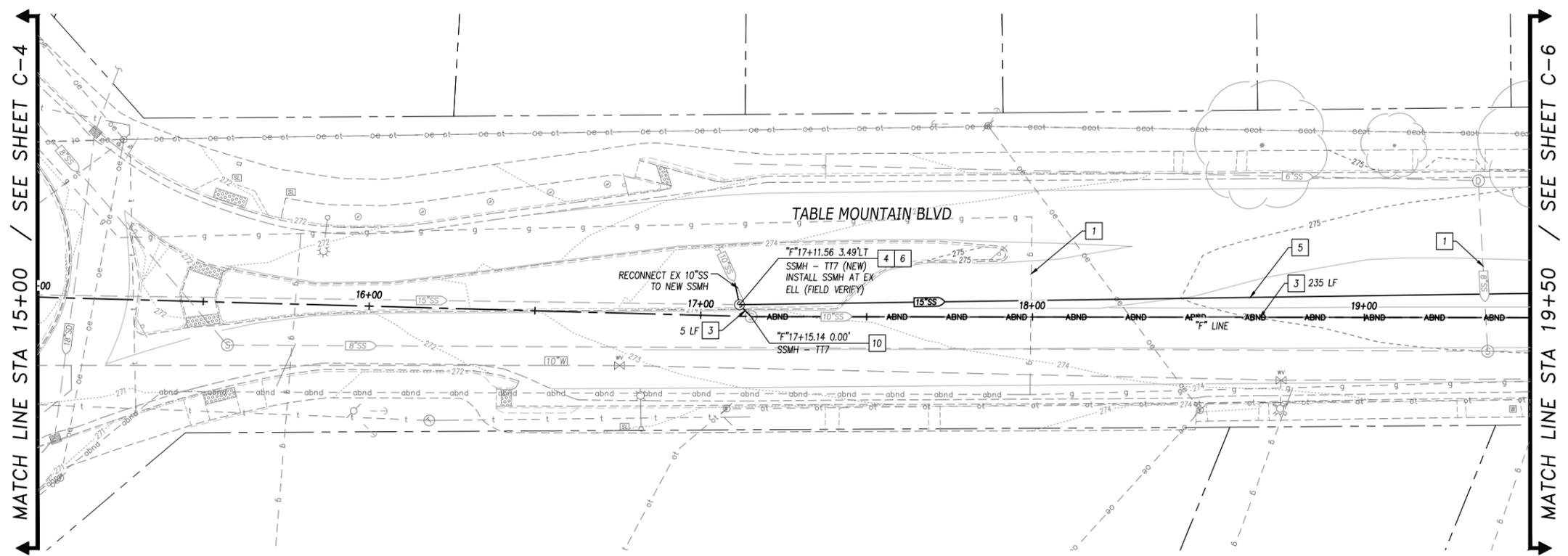
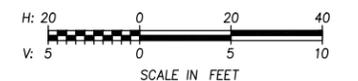
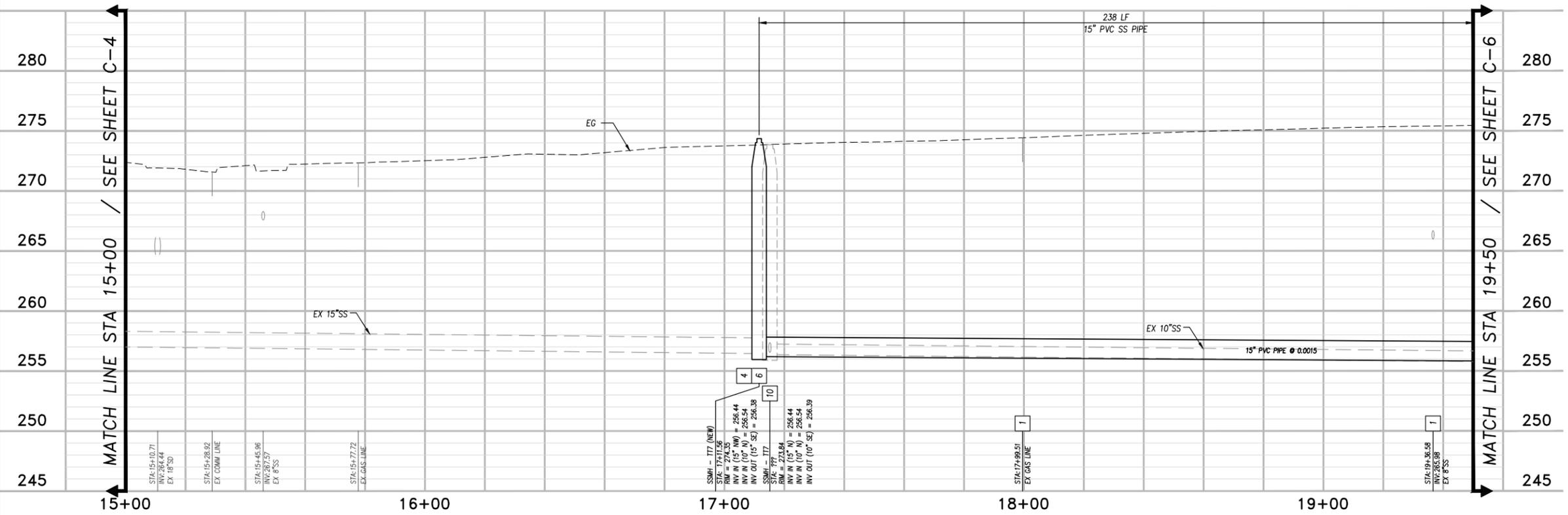


TABLE MOUNTAIN BOULEVARD

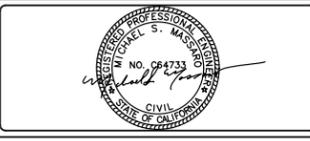


NO.	REVISIONS	BY	DATE

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DESIGN BY: K.SETHARES
 DRAWN BY: K.SETHARES
 CHECKED BY: M.MASSARO
 SCALE: H: 1"=20'; V: 1"=5'
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 F 916.783.4110



OROVILLE SEWER PROJECTS - 1D&1F
PLAN & PROFILE - TABLE MOUNTAIN
 STA 15+00 to STA 19+50
 CALIFORNIA

Log# Name: ksethares
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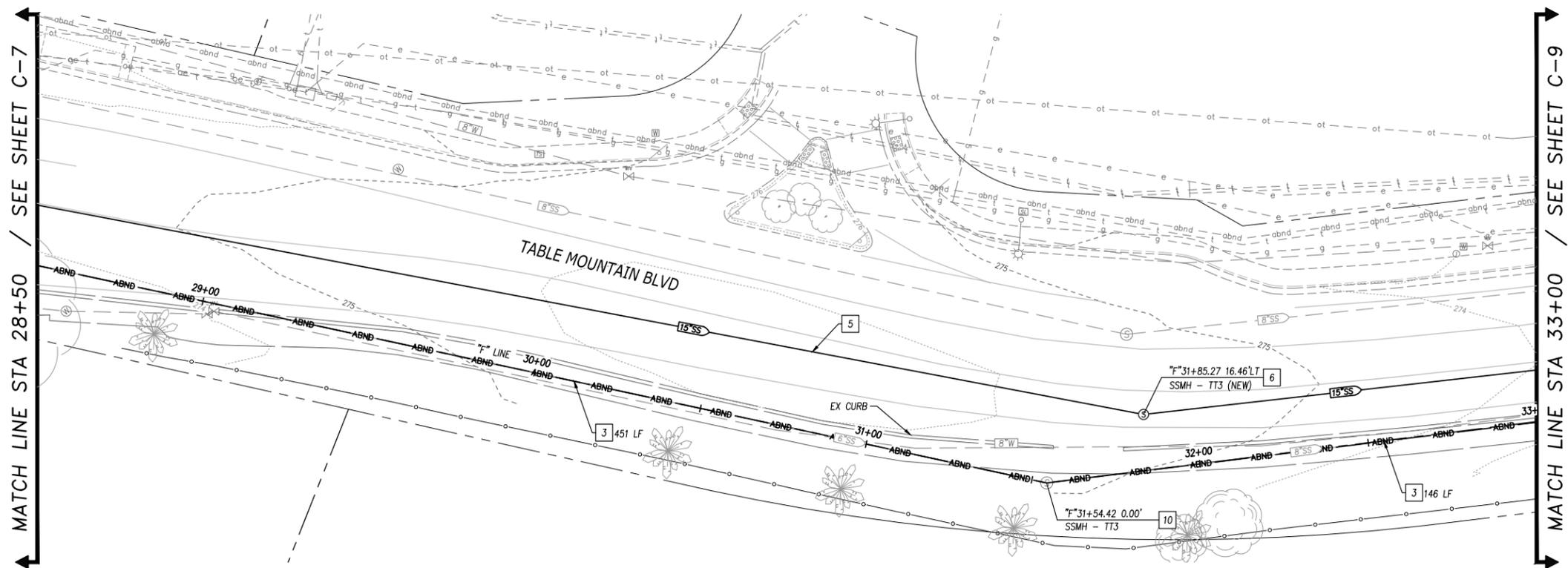
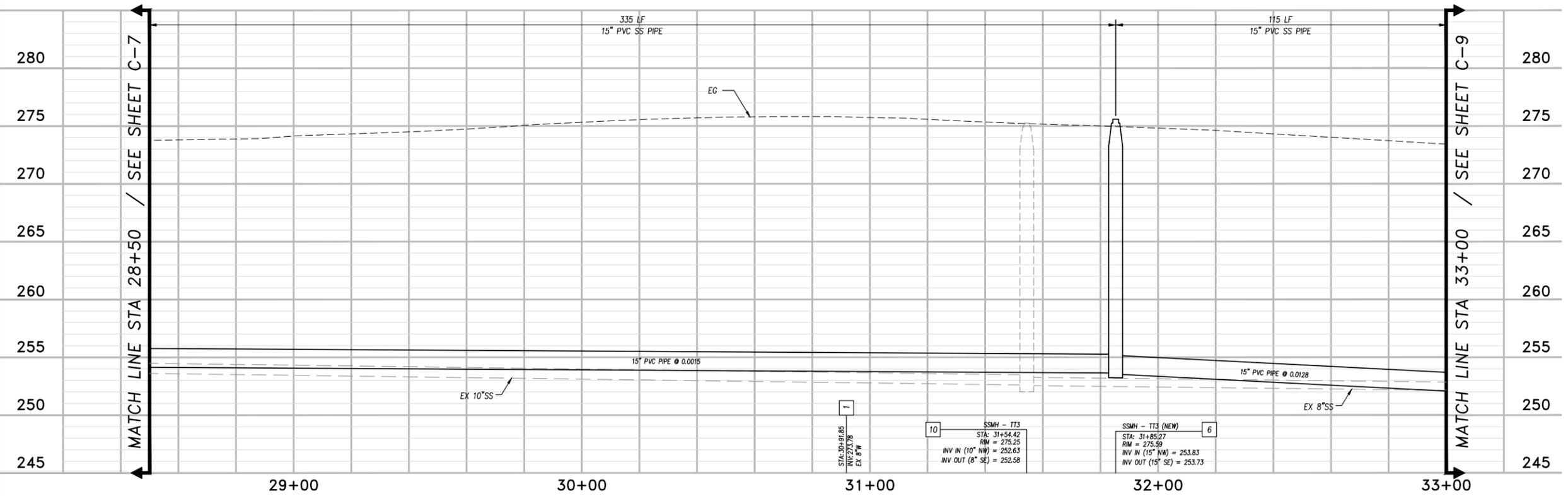
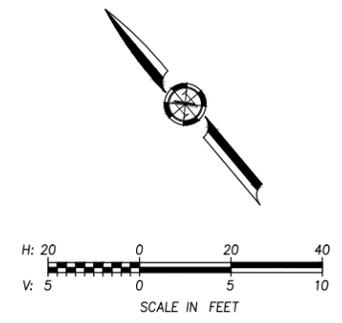
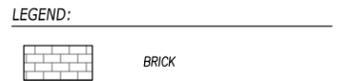


TABLE MOUNTAIN BOULEVARD

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 Plot Date: April 01, 2020 - 8:15 am; Plot Style: ###
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 Plot Size: 11x17 (17601-200-OROVILLE-SS-PLAN-PROFILE)

NO.	REVISIONS	BY	DATE

BENCH MARK ELEV: 238.57 DATUM: NAVD 88
 DESCRIPTION:
 THE HORIZONTAL DATUM IS NAD 83 CALIFORNIA ZONE 2 PER CITY OF OROVILLE HORIZONTAL CONTROL.
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DESIGN BY: K.SETHARES
 DRAWN BY: K.SETHARES
 CHECKED BY: M.MASSARO
 SCALE: H: 1"=20'; V: 1"=5'
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 1082 Sunrise Avenue, Suite 100
 Roseville, California 95661
 T 916.783.4100
 F 916.783.4110



OROVILLE SEWER PROJECTS - 1D&1F
PLAN & PROFILE - TABLE MOUNTAIN
 STA 28+50 to STA 33+00
 CALIFORNIA

- CONSTRUCTION NOTES:**
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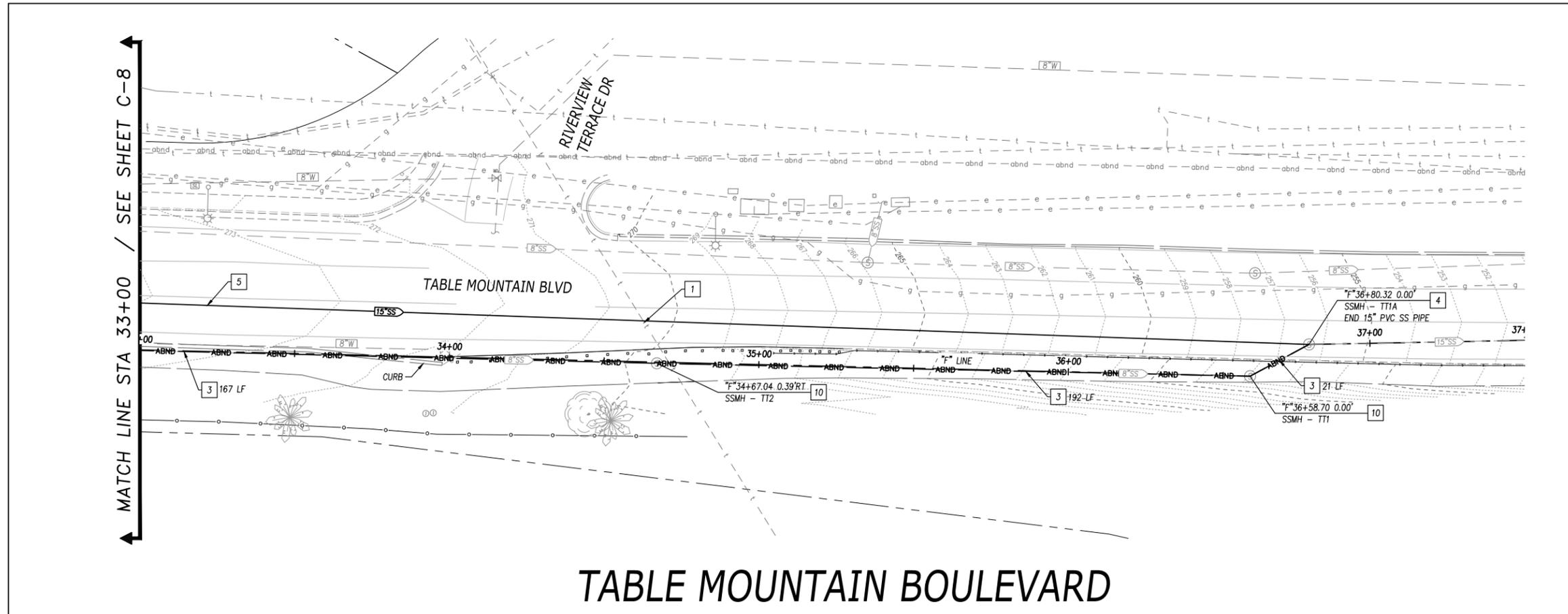
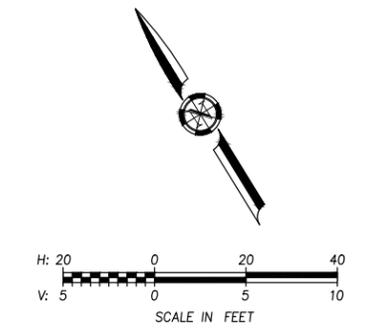
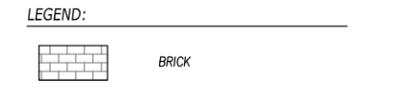
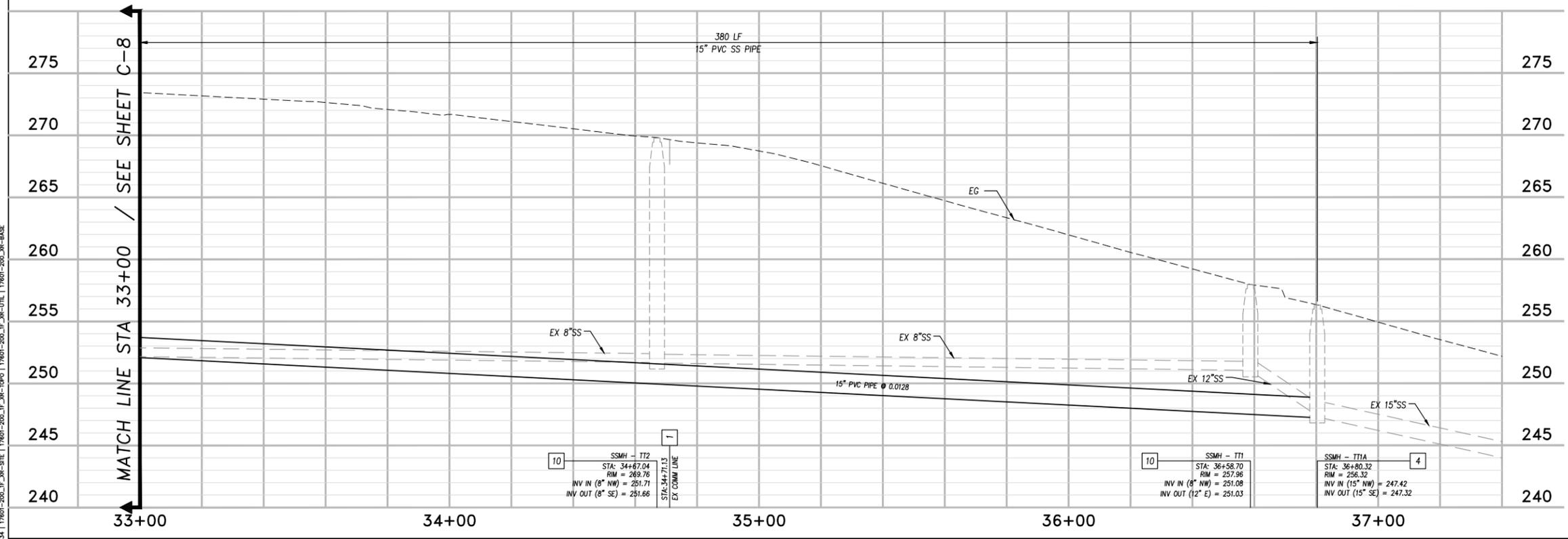


TABLE MOUNTAIN BOULEVARD



NO.	REVISIONS	BY	DATE

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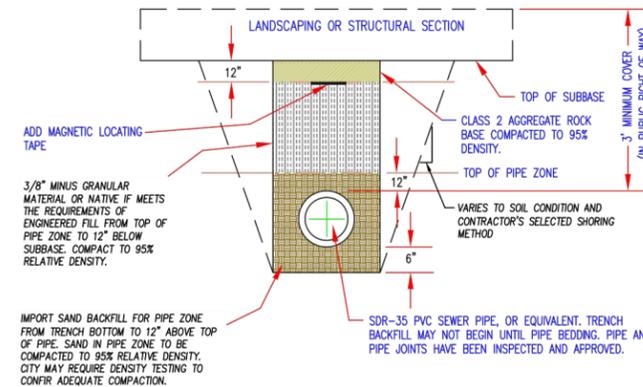
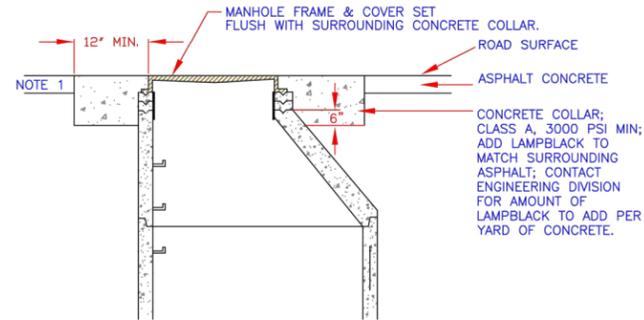
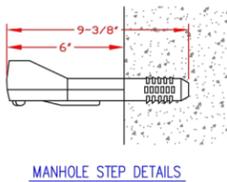
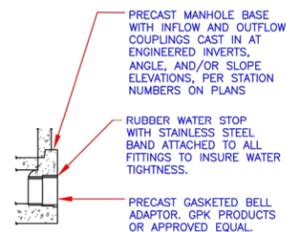
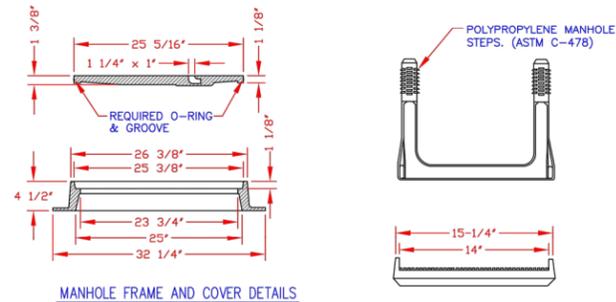
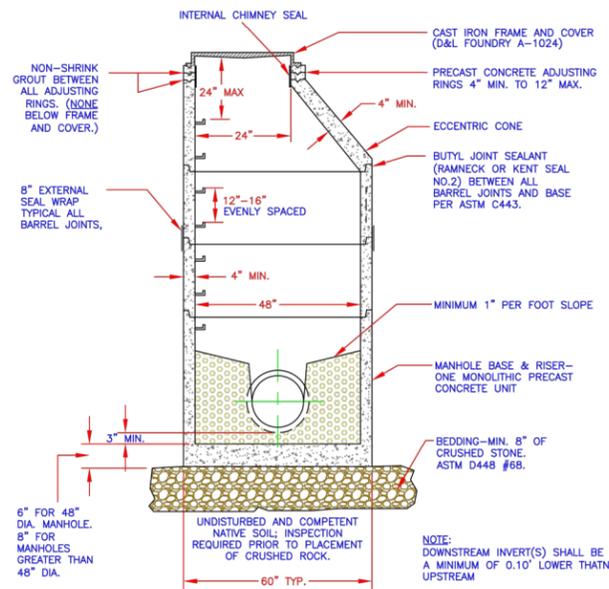
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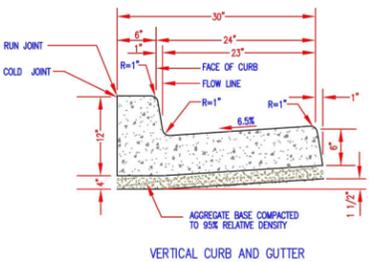
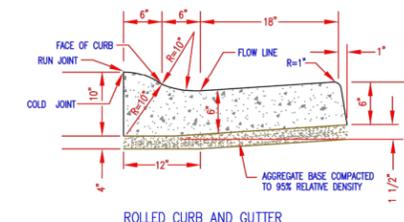
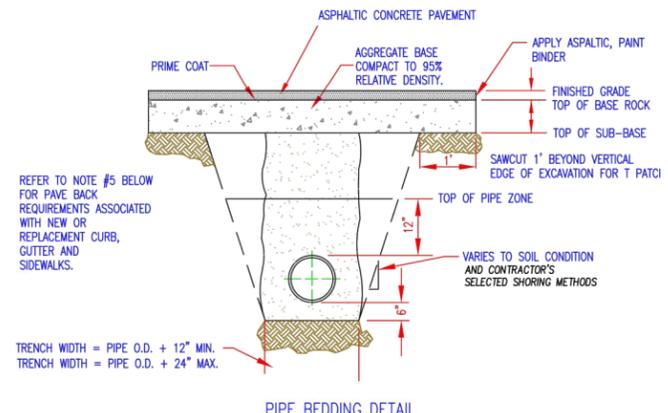
OROVILLE SEWER PROJECTS - 1D&1F
PLAN & PROFILE - TABLE MOUNTAIN
 STA 33+00 to STA 37+50
 CALIFORNIA

Log# Name: bethares
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- NOTES:
1. MATCH EXISTING. REFER TO ENGINEERING DIVISION FOR GUIDANCE.
 2. PLACE A MINIMUM OF 24\"/>

1 MANHOLE W/ ECCENTRIC CONE ASSEMBLY
SCALE: NTS



- NOTES:
1. SERVICE LATERALS SHALL BE A MINIMUM 4\"/>
 - 2. SEWER LATERALS OUTSIDE OF THE RIGHT OF WAY SHALL BE COMPACTED TO A RELATIVE DENSITY OF 90%. NATIVE SOIL MAY BE USED OUTSIDE OF THE RIGHT OF WAY. THE CITY MAY REQUIRE DENSITY TESTING TO CONFIRM ADEQUATE COMPACTION.
 - 3. PIPE MAY BE SHADED BEFORE INSPECTION, HOWEVER, JOINTS SHALL BE LEFT EXPOSED.
 - 4. A 2-SACK SAND AND CEMENT SLURRY MIX MAY BE SUBSTITUTED FOR TRENCH BACKFILL MATERIAL IF APPROVED IN ADVANCE BY THE PUBLIC WORKS DIRECTOR.
 - 5. REPAIRS MADE TO THE PIPE SHALL BE MADE WITH LIKE PIPE ;
A. SDR 35 IN LINE REPAIRS SHALL BE MADE WITH GASKETED SLIP REPAIR COUPLINGS.
B. IT SHALL BE PERMISSIBLE TO USE CAULDER COUPLINGS ON CLAY PIPE.
 - 6. THE CITY MAY FIELD REQUIRE GEOTECHNICAL OVERSIGHT AND FIELD DENSITY TESTING TO CONFIRM COMPLIANCE WITH THIS STANDARD. THE COST FOR FIELD OVERSIGHT SHALL BE PAID BY THE OWNER. COMPACTED BACKFILL MATERIAL NOT MEETING THE DENSITY REQUIREMENTS OF THIS STANDARD SHALL BE REMOVED, REPLACED AND RECOMPACTED TO THE CITY'S SATISFACTION.

2 SANITARY SEWER TRENCH DETAIL
SCALE: NTS

- NOTES:
1. AGGREGATE BASE SHALL BE COMPACTED WITH OPTIMUM MOISTURE TO 95% RELATIVE DENSITY. CITY MAY REQUIRE DENSITY TESTING OF SUBGRADE AND/OR TRENCHES AT OWNER'S EXPENSE.
 2. DEPTH OF ASPHALT CONCRETE:
MONTGOMERY ST AND TABLE MOUNTAIN BLVD:
3\"/>
 - 3. DEPTH OF AGGREGATE BASE:
MONTGOMERY ST AND TABLE MOUNTAIN BLVD:
10\"/>
 - 4. DEPTHS OF ASPHALT CONCRETE AND AGGREGATE BASE SPECIFIED IN NOTES 2 AND 3 ARE MINIMUM ALLOWABLE. SPECIFIC STREET LOCATIONS MAY REQUIRE ADDITIONAL DEPTH PURSUANT TO THE REQUIREMENTS OF THE ENGINEER.
 - 5. REPLACEMENT OF STREET ASPHALT NECESSARY DUE TO THE CONSTRUCTION OF EITHER NEW (INFILL) OR REPLACEMENT CURB, GUTTER, OR SIDEWALK SHALL REQUIRE A MINIMUM OF A 12\"/>

- NOTES:
1. ROLLED CURB AND GUTTER AS SHOWN, IS USED ONLY IN RESIDENTIAL ZONES, OR WITH EXCEPTIONS BY THE PUBLIC WORKS DIRECTOR. ALL CONCRETE SHALL BE 3,000 PSI AT 28 DAYS.
- ROLLED CURB AND GUTTER IS PERMITTED WITHIN INDUSTRIAL UNIT #2. (9/5/00) WITH PRIOR APPROVAL FROM CITY ENGINEER.

3 STREET REPAIR/PAVEMENT REPLACEMENT
SCALE: NTS

4 CURB AND GUTTER
SCALE: NTS

Log# Name: ksethars
 Plot Date: April 01, 2020 - 2:58 pm; Plot Size: ###
 File Name: P:\Proj\17601-200-Civil\Sanitary-Sewer\Project-Design\03-PLANS\MASTERS\SHEETS\17601-200_IDM\F17601-200_06-C11 - DETAILS.dwg
 Plot Size: 17601-200_12x24x4

NO.	REVISIONS	BY	DATE

BENCH MARK ELEV : 238.57 DATUM : NAVD 88
 DESCRIPTION :
 THE HORIZONTAL DATUM IS NAD 83 CALIFORNIA ZONE
 2 PER CITY OF OROVILLE HORIZONTAL CONTROL.
 VERTICAL DATUM IS NAVD 88 PER CITY OF OROVILLE
 BENCHMARKS.

DESIGN BY : K.SETHARES
 DRAWN BY : K.SETHARES
 CHECKED BY : M.MASSARO
 SCALE : NTS
 DATE : 4/1/2020
 PROJ NO. : 17601-200

VERIFY SCALE
 BAR IS ONE INCH ON
 ORIGINAL DRAWING.
 IF NOT ONE INCH ON
 THIS SHEET, ADJUST
 SCALES ACCORDINGLY.



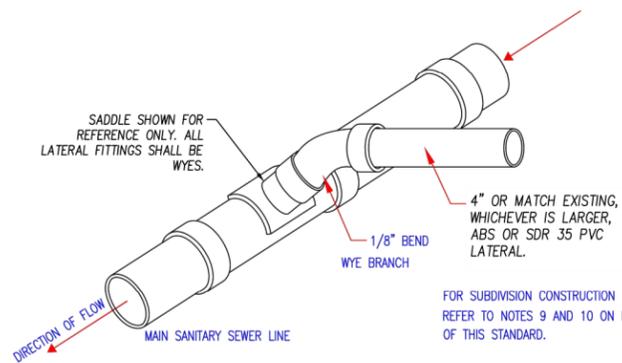
BEN EN
 TRUSTED ENGINEERING ADVISORS

Bennett Engineering Services
 1082 Sunrise Avenue, Suite 100
 Roseville, California 95661
 T 916.783.4100
 F 916.783.4110



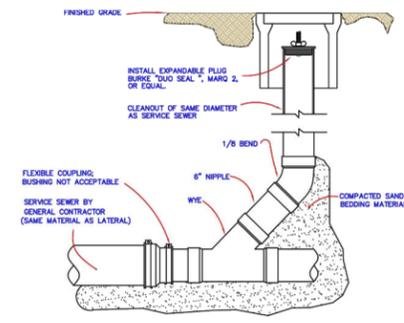
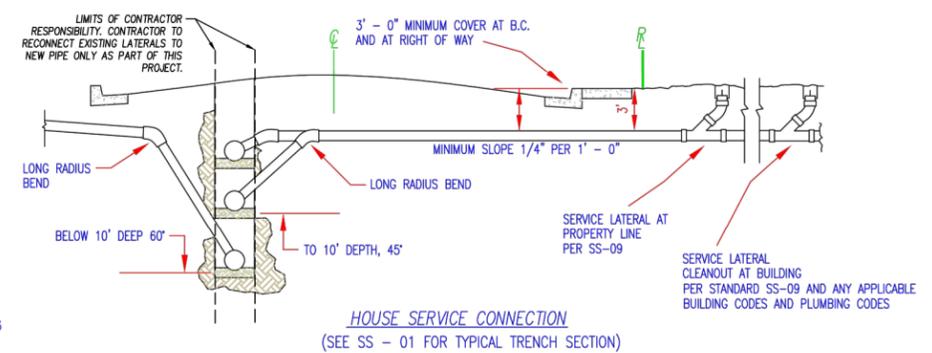
OROVILLE SEWER PROJECTS - 1D&1F
 DETAILS - 1
 CALIFORNIA

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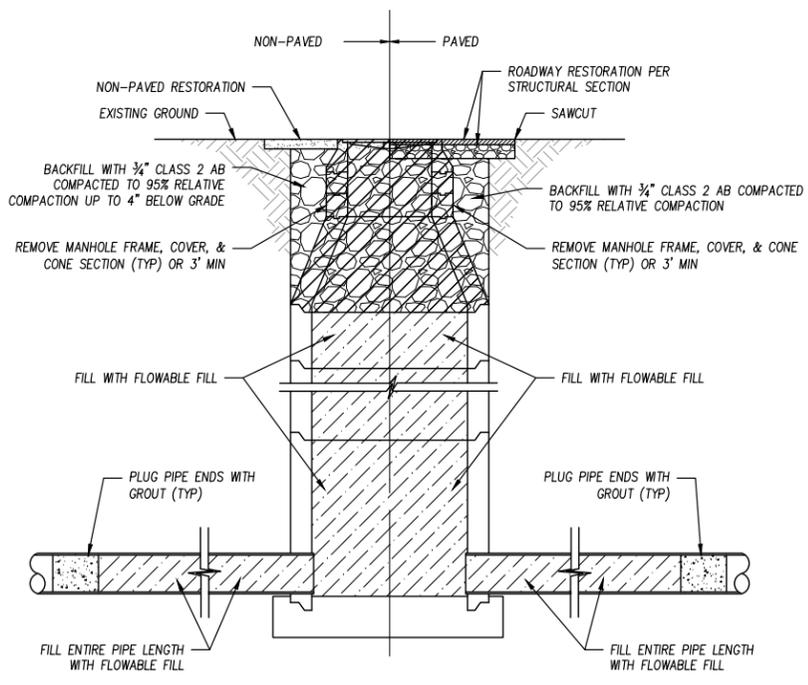
TYPICAL PVC HOUSE LATERAL ASSEMBLY

- NOTES:
- CONTRACTOR WILL TAP ALL LATERAL CONNECTIONS MADE TO THE MAIN.
 - 4" OR MATCH EXISTING, WHICHEVER IS LARGER, ABS OR SDR 35 PVC PIPE SHALL BE USED FROM MAIN TO PROPERTY LINE. 3" MAY BE USED FROM THERE TO HOUSE.

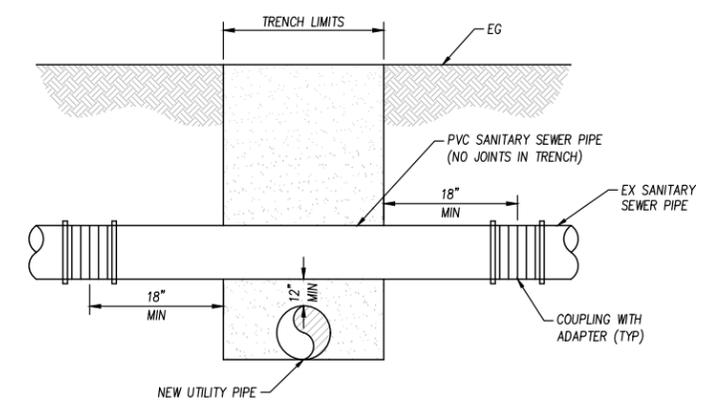
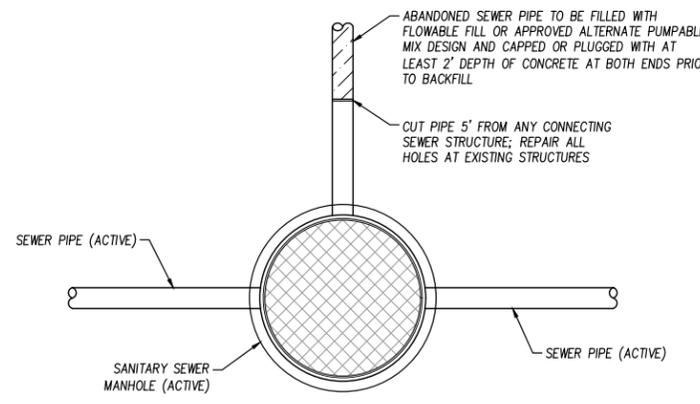


- NOTES:
- SERVICE LATERAL CLEANOUT TO BE OF SAME MATERIAL AS LATERAL OR BUILDING SEWER.
 - FOR 4" SERVICES, INSTALL ROUND, NON-Traffic TYPE, CONCRETE OR PVC VALVE BOX AND COVER MARKED "SEWER." BOX INSIDE DIAMETER TO BE A MINIMUM OF 7" AND A MAXIMUM OF 10".
 - FOR SERVICE 6" OR LARGER, INSTALL ROUND, CONCRETE, TRAFFIC TYPE VALVE BOX WITH CAST IRON FACE AND COVER. COVER TO BE MARKED "SEWER".
 - CLEANOUTS TO BE LOCATED ACCORDING TO UNIFORM PLUMBING CODE.

1 SEWER LATERAL TO MAIN CONNECTION
SCALE: NTS



2 ABANDON MANHOLE
SCALE: NTS



3 REPAIR OF EXISTING SANITARY SEWER PIPES
SCALE: NTS

Log# Name: ksethars
 Plot Date: April 01, 2020 - 2:58 pm; Plot Size: ###
 File Name: P:\Proj\17601-200-Oroville-Sewer-Projects-Design\03-PLANS\MASTERS\SHEETS\17601-200_ID&F\17601-200_06-C11 - DETAILS.dwg
 PLOT DATE: 04/01/2020 2:58 PM

NO.	REVISIONS	BY	DATE

BENCH MARK ELEV: 238.57 DATUM: NAVD 88
 DESCRIPTION:
 THE HORIZONTAL DATUM IS NAD 83 CALIFORNIA ZONE 2 PER CITY OF OROVILLE HORIZONTAL CONTROL. VERTICAL DATUM IS NAVD 88 PER CITY OF OROVILLE BENCHMARKS.

DESIGN BY: K.SETHARES
 DRAWN BY: K.SETHARES
 CHECKED BY: M.MASSARO
 SCALE: NTS
 DATE: 4/1/2020
 PROJ NO.: 17601-200

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OROVILLE SEWER PROJECTS - 1D&1F
 DETAILS - 2
 CALIFORNIA