

# CITY OF STOCKTON PUBLIC WORKS DEPARTMENT

## SIERRA NEVADA STREET SANITARY SEWER REHABILITATION

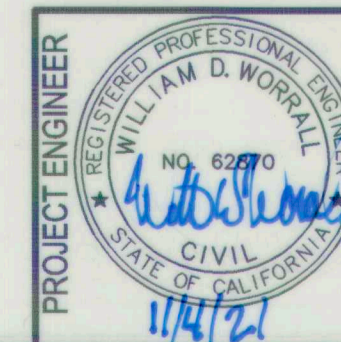
### PROJECT NO. UW18029



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FILE SPEC: P:\2404\_COS\_Sierra\_Nevada\_St\_SS\_Rehab\0010\_SN\_SS\_Rehab\08\_Civil\400\_Plans\020\_CAD\Sheets\1\_0-001-Title.dwg  
PLOT DATE: Oct 07, 2021 - 2:12pm



DRAWING SCALE  
AS SHOWN  
ORIGINAL DRAWING SCALE  
0 1/2" 1"

**KSN** inc. **KJELDSSEN SINNOCK NEUDECK**  
CIVIL ENGINEERS & LAND SURVEYORS  
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916-403-5900

NO.	DESCRIPTION	DATE	APPR.

<b>SIERRA NEVADA STREET SANITARY SEWER LINE REHABILITATION</b>			
TITLE SHEET			
DEPARTMENT OF PUBLIC WORKS CITY OF STOCKTON, CALIFORNIA			
SCALE: AS SHOWN	APPROVED BY: <i>[Signature]</i> DATE: 12/15/21	SHEET NO. 1	PROJECT NO. UW18029
DESIGNED BY: BDW	CHECKED BY: SKS	OF 17 SHTS	
DRAWN BY: PX	RECORD DWG:		

5465C

FILE SPEC: P:\2404\_COS\_Sierra\_Nevada\_Sl\_SS\_Rehab\08\_Civil\400\_Plans\020\_CAD\_Sheets\2&3\_C-002-Notes.dwg  
 PLOT DATE: Oct 07, 2021 - 2:12pm

**ABBREVIATIONS**

⊙	AT
AB	ANCHOR BOLT/AGGREGATE BASE
AC	ASPHALTIC CONCRETE
ADD'L	ADDITIONAL
AP	ANGLE POINT
BC	BEGINNING OF CURVE
BM	BENCH MARK
BOC	BACK OF CURB
BOW/BW	BACK OF WALK
C/O	CLEANOUT
CB	CATCH BASIN
CDF	CONTROL DENSITY FILL
CG&SW	CURB, GUTTER, & SIDEWALK
CIP	CAST IRON PIPE
CIPP	CURED-IN-PLACE PIPE
CL	CENTERLINE, CLASS
CLR	CLEAR
CMP	CORRUGATED METAL PIPE
CMU	CONCRETE MASONRY UNIT
CONC	CONCRETE
CONT	CONTINUOUS, CONTINUE
C.O.S.	CITY OF STOCKTON
CR	CURB RETURN
CTR	CENTER
CY	CUBIC YARD
D	STORM DRAIN
DD	DOWNDRAIN
DI	DROP INLET
DIA	DIAMETER
DIM	DIMENSION
DS	DOMESTIC WATER/DRIVEWAY
DW	DOWNSTREAM
DWG	DRAWING
E	ELECTRIC OR EAST
EA	EACH
EB	ELECTRICAL BOX
EC	END OF CURVE
EFEW	EACH FACE EACH WAY
EJ	EXPANSION JOINT
ELEV	ELEVATION
EP	EDGE OF PAVEMENT
EW	EACH WAY
EXIST/(E)	EXISTING
(F)	FUTURE
FDC	FIRE DEPARTMENT CONNECTION
FDN	FOUNDATION
FF	FINISHED FLOOR
FG	FINISH GRADE
FH	FIRE HYDRANT
FIN	FINISH
FL	FLOW LINE
FLR	FLOOR
FOC/FC	FACE OF CURB
FS	FIRE SERVICE
FT	FEET
GA	GAUGE
G	GAS
GALV	GALVANIZED
GPM	GALLONS PER MINUTE
GR	GRATE
HORIZ	HORIZONTAL
HP	HIGH POINT
ID	INSIDE DIAMETER (DIM)
IN	INCH
INV	INVERT
IP	IRON PIPE
IRRI	IRRIGATION
JP	JOINT POLE
KV	KILOVOLT
L	ARC LENGTH, LEFT
LF	LINEAL FEET
LIN	LINEAR
LP	LOW POINT
LT	LEFT

**ABBREVIATIONS (CONT.)**

MAX	MAXIMUM
MH	MAINTENANCE HOLE
MIN	MINIMUM
MOD	MODIFIED
MON	MONUMENT
(N)	NEW
NIC	NOT IN CONTRACT
NTS	NOT TO SCALE
OC	ON CENTER
OD	OUTSIDE DIAMETER
OG	ORIGINAL GROUND
PB	PULL BOX
PC	PRIMARY CONTROL
PCC	PORTLAND CEMENT CONCRETE/ POINT OF COMPOUND CURVE
PIV	POST INDICATOR VALVE
PL	PROPERTY LINE OR PLATE
POC	POINT OF CONNECTION
PP	POWER POLE
PRC	POINT OF REVERSE CURVATURE
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PT	POINT OF TANGENT, POINT
PUE	PUBLIC UTILITIES EASEMENT
PV	PAVEMENT
PVC	POLYVINYLCHLORIDE
R	RADIUS, RIGHT
R&R	REMOVE AND REPLACE
RCP	REINFORCED CONCRETE PIPE
REINF	REINFORCED
REHAB/(D)	REHABILITATE, REHABILITATION
ROW	RIGHTS OF WAY
R.S.	RECORD OF SURVEY
RT	RIGHT
R/W	RIGHT OF WAY
S	SLOPE
SHT	SHEET
SD	STORM DRAIN
SIM	SIMILAR
SPEC	SPECIFICATION
SQ	SQUARE
SQFT	SQUARE FEET
SOYD	SQUARE YARD
SS	SANITARY SEWER
SSMH	SANITARY SEWER MAINTENANCE HOLE
STA	STATION
STD	STANDARD
T	TANGENT
TBM	TEMPORARY BENCH MARK
TC	TOP OF CURB
TEL	TELEPHONE
TFC	TOP FACE OF CURB
TI	TRAFFIC INDEX
TOG	TOP OF GRATE
TOW	TOP OF WALK
TP	TELEPHONE POLE
TPB	TELEPHONE PULL BOX
TFR	TRANSFORMER
TYP	TYPICAL
UG	UNDER GROUND
US	UPSTREAM
VCP	VITRIFIED CLAY PIPE
W	WATER
YD	YARDS

**CONVENTIONS**

	BENCH MARK - VERTICAL & HORIZONTAL
	BENCH MARK - VERTICAL, ONLY
	TEMPORARY CONTROL POINT OR T.B.M.
	NOTE INDICATOR
	DETAIL IDENTIFICATION NUMBER
	DRAWING WHERE DETAIL IS SHOWN
	DETAIL INDICATOR
	NOTE NUMBER AS INDICATED
	REVISION
	REVISION NUMBER

**LEGEND**

NEW OR REHAB	EXISTING	DESCRIPTION
		SANITARY SEWER MH
		STORM DRAIN LINE
		SANITARY SEWER LINE LESS THAN 24"
		SANITARY SEWER LINE 24" AND LARGER
		ABANDON
		STORM DRAIN MH
		WATER LINE
		GAS LINE
		COMMUNICATION LINE UNDERGROUND
		COMMUNICATION LINE OVERHEAD
		ELECTRICAL LINE UNDERGROUND
		ELECTRICAL LINE OVERHEAD
		IRRIGATION LINE
		FENCE
		R.O.W. / PROPERTY LINE
		CATCH BASIN
		CLEANOUT
		FIRE HYDRANT ASSEMBLY
		GAS METER
		WATER METER
		BLOW-OFF
		WATER VALVE
		MAINTENANCE HOLE
		PULL BOX
		PG&E TRANSFORMER
		PG&E MAINTENANCE HOLE
		PG&E SUBSURFACE ENCLOSURE
		UTILITY POLE
		POST, BOLLARD, OR PARKING METER
		SIGN POST LOCATION
		VERTICAL LATERAL
		SPOT ELEVATION
		CURB & GUTTER
		CURB, GUTTER & SIDEWALK
		GUY WIRE
		TRAFFIC SIGNAL
		ELECTROLIER
		COMBINATION TRAFFIC SIGNAL WITH BACKPLATE & LUMINAIRE



DRAWING SCALE  
 AS SHOWN  
 ORIGINAL DRAWING SCALE  
 0 1/2" 1"



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<b>SIERRA NEVADA STREET SANITARY SEWER LINE REHABILITATION</b>			
<b>LEGEND AND ABBREVIATIONS</b>			
DEPARTMENT OF PUBLIC WORKS CITY OF STOCKTON, CALIFORNIA			
SCALE: AS SHOWN	APPROVED BY:	DATE: 10/21/21	SHEET NO. 2
DESIGNED BY: BDW			OF 17 SHTS
DRAWN BY: PX			PROJECT NO. UW18029
CHECKED BY: SKS			
RECORD DWG:			

**GENERAL NOTES (CITY OF STOCKTON):**

- ALL IMPROVEMENTS SHALL BE CONSTRUCTED IN STRICT ACCORDANCE WITH THE FOLLOWING: CURRENT CITY OF STOCKTON STANDARD SPECIFICATIONS AND PLANS, INCLUSIVE OF ALL CURRENT REVISIONS AND AMENDMENTS, CALIFORNIA DEPARTMENT OF TRANSPORTATION CURRENT STANDARD PLANS AND SPECIFICATIONS (CALTRANS), INCLUSIVE OF ALL CURRENT REVISIONS AND AMENDMENTS, AND CA-MUTCD LATEST EDITION, INCLUSIVE OF ALL CURRENT REVISIONS AND AMENDMENTS THERETO. WHERE THERE IS A CONFLICT BETWEEN THE PLANS AND THE CITY'S STANDARD SPECIFICATIONS AND PLANS, THE CITY OF STOCKTON STANDARD SPECIFICATIONS AND PLANS SHALL PREVAIL. CONTRACTOR SHALL BE RESPONSIBLE FOR CONSTRUCTING THE IMPROVEMENTS IN ACCORDANCE WITH THE ABOVE-MENTIONED STANDARDS AND SPECIFICATIONS.
- THE CONTRACTOR SHALL VISIT THE SITE AND BECOME FAMILIAR WITH THE COMPLETE WORK SCOPE AND ALL RELATED CONDITIONS PRIOR TO BID. ANY QUESTIONS OR DISCREPANCIES WITH THE INFORMATION SHOWN HEREIN MUST BE DIRECTED TO THE ENGINEER PRIOR TO BID.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL PERMITS AND LICENSES REQUIRED FOR THE CONSTRUCTIONS AND COMPLETION OF THE PROJECT AND SHALL PERFORM ALL WORK IN ACCORDANCE WITH THE REQUIREMENTS AND CONDITIONS OF ALL PERMITS AND APPROVALS APPLICABLE TO THIS PROJECT. THE CONTRACTOR SHALL ENSURE THAT THE NECESSARY PERMITS AND/OR LICENSES ARE SECURED PRIOR TO CONSTRUCTION.
- CONTRACTOR SHALL OBTAIN AN ENCROACHMENT PERMIT FROM THE CITY OF STOCKTON FOR ANY WORK DONE WITHIN CITY RIGHTS-OF-WAY OR ON CITY-OWNED FACILITIES WITHIN AN EASEMENT. CONTRACTOR SHALL CALL THE PERMIT CENTER AT (209) 937-8366 TO REQUEST A CONTROL NUMBER AND ACTIVATE THE PERMIT NO LATER THAN 24 HOURS, BUT NOT IN EXCESS OF 72 HOURS PRIOR TO START OF WORK.
- ALL STATIONS REFER TO DISTANCES ALONG STREET CENTERLINE THE 36" PIPE BEING REHABILITATED, UNLESS OTHERWISE NOTED. ALL STATIONS OFF CENTERLINE ARE PERPENDICULAR TO OR RADIALLY OPPOSITE CENTERLINE STATIONS.
- THE CONTRACTOR SHALL RECEIVE PRIOR APPROVAL FROM THE ENGINEER FOR ANY EXTRA WORK. THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR ANY FIELD CHANGES MADE WITHOUT PRIOR WRITTEN AUTHORIZATION FROM THE ENGINEER AT NO ADDITIONAL COST TO THE CITY.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING FROM DAMAGE ALL EXISTING AND NEWLY PLACED IMPROVEMENTS THAT ARE TO REMAIN. SUCH IMPROVEMENTS THAT ARE DAMAGED BY THE CONTRACTOR SHALL BE REPLACED AT NO ADDITIONAL COST TO THE CITY.
- THE CONTRACTOR AGREES THAT HE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT INCLUDING SAFETY AND SECURITY OF JOB SITE, THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS.
- THE CONTRACTOR SHALL MAINTAIN A NEATLY MARKED SET OF FULL-SIZE AS-BUILT DRAWINGS SHOWING THE FINAL LOCATION OF FINAL IMPROVEMENTS. AS-BUILT DRAWINGS SHALL REFLECT CHANGE ORDERS, ACCOMMODATIONS, AND ADJUSTMENTS TO ALL IMPROVEMENTS CONSTRUCTED. WHERE NECESSARY, SUPPLEMENTAL DRAWINGS SHALL BE PREPARED AND SUBMITTED BY THE CONTRACTOR.
- PRIOR TO ACCEPTANCE OF THE PROJECT, THE CONTRACTOR SHALL DELIVER TO THE ENGINEER, ONE SET OF NEATLY MARKED AS-BUILT DRAWINGS. AS-BUILT DRAWINGS SHALL BE REVIEWED AND THE COMPLETE AS-BUILT DRAWING SET SHALL BE CURRENT WITH ALL CHANGES AND DEVIATIONS REDLINED AS A PRECONDITION TO THE FINAL PROGRESS PAYMENT APPROVAL AND/OR FINAL ACCEPTANCE.
- ALL TRENCH EXCAVATION SHALL BE IN ACCORDANCE WITH SECTION 7 OF THE CITY OF STOCKTON STANDARD SPECIFICATIONS.
- THE CONTRACTOR SHALL PROVIDE ALL SHORING, BRACING, SLOPING OR OTHER PROVISIONS NECESSARY TO PROTECT WORKERS FOR ALL AREAS TO BE EXCAVATED TO A DEPTH OF 5' OR MORE. EXCAVATIONS OF 5 FEET OR MORE IN DEPTH WILL REQUIRE AN EXCAVATIONS PERMIT FROM THE STATE OF CALIFORNIA DEPARTMENT OF INDUSTRIAL SAFETY FOR TRENCHES 5 FEET OR MORE IN DEPTH. THE CONTRACTOR SHALL COMPLY WITH SECTION 7-1.02K(6)(b) OF THE CALTRANS STANDARDS, SECTION 6705 OF THE STATE OF CALIFORNIA LABOR CODE, AND ANY LOCAL CODES OR ORDINANCES.
- ATTENTION IS CALLED TO: SECTION 1541(b)(1) OF THE CONSTRUCTION SAFETY ORDERS (CALIFORNIA CODE OF REGULATIONS, TITLE 8), ISSUED BY THE OCCUPATIONAL SAFETY AND HEALTH STANDARDS BOARD PURSUANT TO THE CALIFORNIA OCCUPATIONAL SAFETY AND HEALTH ACT OF 1973, WHICH STATES: "THE APPROXIMATE LOCATION OF SUBSURFACE INSTALLATIONS, SUCH AS SEWER, TELEPHONE, FUEL, ELECTRIC, WATER LINES, OR ANY OTHER SUBSURFACE INSTALLATIONS THAT REASONABLY MAY BE EXPECTED TO BE ENCOUNTERED DURING EXCAVATION WORK, SHALL BE DETERMINED BY THE EXCAVATOR PRIOR TO OPENING AN EXCAVATION."
- PRIOR TO COMMENCING ANY WORK, IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO HAVE EACH UTILITY COMPANY LOCATE IN THE FIELD THEIR MAIN AND SERVICE LINES. THE CONTRACTOR SHALL NOTIFY MEMBERS OF THE UNDERGROUND SERVICE ALERT (U.S.A.) 48 HOURS IN ADVANCE OF PERFORMING EXCAVATION WORK BY CALLING THE TOLL-FREE NUMBER (800) 227-2600.
- IT SHALL BE CONTRACTOR'S SOLE RESPONSIBILITY TO PROTECT ALL EXISTING UTILITIES SO THAT NO DAMAGE RESULTS TO THEM DURING THE PERFORMANCE OF HIS CONTRACT. THE CONTRACTOR SHALL BE REQUIRED TO COOPERATE WITH OTHER CONTRACTORS AND UTILITY COMPANIES INSTALLING NEW OR MODIFIED STRUCTURES, UTILITIES AND SERVICES WITHIN THE PROJECT LIMITS.

**CONSTRUCTION NOTES:**

- THE CONTRACTOR SHALL EXERCISE DUE CAUTION AND SHALL CAREFULLY PRESERVE BENCH MARKS, CONTROL POINTS, REFERENCE POINTS AND ALL SURVEY MONUMENTS, AND SHALL BEAR ALL EXPENSES FOR REPLACEMENT AND/OR ERROR CAUSED BY HIS UNNECESSARY LOSS OR DISTURBANCE. THE CONTRACTOR SHALL CONSULT WITH A LICENSED LAND SURVEYOR OR CIVIL ENGINEER LICENSED TO PRACTICE LAND SURVEYING IN CALIFORNIA PRIOR TO BEGINNING CONSTRUCTION TO ENSURE THAT ANY PRECONSTRUCTION CORNER RECORDS, AS REQUIRED BY THE STATE OF CALIFORNIA PROFESSIONAL LAND SURVEYOR ACT HAVE BEEN FILED WITH THE COUNTY SURVEYOR, PURSUANT TO SECTION 8771(a)-f) OF THE CALIFORNIA BUSINESS AND PROFESSION CODE.
- ALL WORK IN THE PUBLIC RIGHT-OF-WAY IS SUBJECT TO THE APPROVAL AND ACCEPTANCE OF THE ENGINEER.
- PRIOR TO PLACEMENT OF ANY FINISH ASPHALT CONCRETE OR CONCRETE, THE CONTRACTOR SHALL VERIFY ALL FINISH GRADES AND SLOPES FOR COMPLIANCE WITH THE AMERICANS WITH DISABILITIES ACT (ADA) AND OBTAIN APPROVAL AND ACCEPTANCE BY THE ENGINEER.
- THE CONTRACTOR SHALL LAYOUT IMPROVEMENTS FROM THE DIMENSIONS SHOWN ON THE PLANS. ANY CLARIFICATION OR CONFLICTS, DISCREPANCIES OR AMBIGUITIES SHALL BE DIRECTED TO THE ENGINEER PRIOR TO THE CONSTRUCTION OF THE IMPROVEMENTS.
- DUST CONTROL SHALL BE PERFORMED AT ALL TIMES, AT THE CONTRACTORS' EXPENSE, TO MINIMIZE ANY DUST NUISANCE AND SHALL BE IN ACCORDANCE WITH SECTION 10-5 OF CALTRANS STANDARD SPECIFICATIONS AND THE REQUIREMENTS OF THE CITY OF STOCKTON.
- THE CONTRACTOR SHALL MAINTAIN ALL EXISTING WATER, SEWER, AND DRAINAGE FACILITIES WITHIN THE CONSTRUCTION AREA UNTIL NEW IMPROVEMENTS ARE IN PLACE AND FUNCTIONING, EXCEPT WHERE OTHERWISE APPROVED.
- INGRESS AND EGRESS BY PROPERTY OWNERS, BUSINESSES, AND OTHERS SHALL BE PROVIDED AT ALL TIMES DURING THE COURSE OF CONSTRUCTION UNLESS OTHERWISE APPROVED OR SPECIFIED.
- SIDEWALK REMOVAL SHALL BE TO THE NEAREST SCORE MARK OR AS DETERMINED BY THE ENGINEER. CONTRACTOR SHALL NEATLY SAW-CUT CONCRETE WHERE PULL BOXES ARE TO BE PLACED AND SHALL RESTORE THE SLAB TO MATCH THE EXISTING CONDITION.
- NEW SIDEWALK SHALL BE DOWELED INTO EXISTING SIDEWALK ACCORDING TO CITY STANDARD DRAWING NO. R-55.
- THE CONTRACTOR SHALL ADJUST TO GRADE ALL FACILITIES (INCLUDING, BUT NOT LIMITED TO VALVE BOXES, PULL BOXES, MAINTENANCE HOLE RIM AND COVERS, METER BOXES) WITHIN THE LIMITS OF WORK AND/OR AS DIRECTED BY ENGINEER. THE FACILITIES SHALL BE ADJUSTED AS SET FORTH IN C.O.S. STANDARD DRAWING NO. R30 AND/OR AS DIRECTED BY ENGINEER.
- THE CONTRACTOR SHALL PROVIDE A MAINTENANCE CONNECTION PLAN. SUBMIT THIS PLAN TO THE CITY FOR REVIEW AND APPROVAL PRIOR TO COMMENCING CONSTRUCTION.
- THE CONTRACTOR SHALL PROVIDE A PIPE TESTING PLAN. SUBMIT THIS PLAN TO THE CITY FOR REVIEW AND APPROVAL PRIOR TO COMMENCING CONSTRUCTION.

**STRIPING AND SIGNAGE NOTES:**

- THE CONTRACTOR SHALL PROVIDE ALL LIGHTS, BARRICADES, SIGNS, FLAGMEN OR OTHER DEVICES NECESSARY FOR PUBLIC SAFETY.
- THE CONTRACTOR SHALL SUBMIT A TRAFFIC CONTROL AND/OR DETOUR PLAN FOR APPROVAL BY THE CITY OF STOCKTON TRAFFIC ENGINEER PRIOR TO THE START OF CONSTRUCTION.
- ALL PAVEMENT MARKINGS, STRIPING AND CROSSWALKS SHALL BE THERMOPLASTIC.
- STRIPING SHALL BE IN STRICT CONFORMANCE WITH THE CA-MUTCD (LATEST EDITION) AND THE SPECIAL PROVISIONS SECTION 84. LONGITUDINAL STRIPING EXCLUDED. PAVEMENT MARKINGS SHALL CONFORM TO THE CALTRANS SPECIFICATIONS (LATEST EDITION) SECTION 84 AND THE CA-MUTCD (LATEST EDITION).
- SIGNING SHALL CONFORM TO THE CA-MUTCD (LATEST EDITION) AND CALTRANS SPECIFICATIONS (LATEST EDITION) SECTION 82.
- REMOVAL OF EXISTING PAVEMENT MARKINGS SHALL BE REMOVED BY GRINDING PER CALTRANS STANDARD SPECIFICATIONS SECTION 84-9.
- CONTRACTOR SHALL INSTALL A BLUE REFLECTOR ON FIRE HYDRANT SIDE AT ALL FIRE HYDRANT LOCATIONS PER CA-MUTCD, SECTION 38.11 AND FIGURE 3B-102.
- THE CONTRACTOR SHALL NOTIFY THE ENGINEER A MINIMUM OF TWO (2) WORKING DAYS IN ADVANCE TO VERIFY THE LAYOUT AND CAT-TRACKING OF THE PROPOSED IMPROVEMENTS. CAT-TRACKING TO BE APPROVED BY TRAFFIC ENGINEERING PRIOR TO FINAL ACCEPTANCE OF STRIPING AND PAVEMENT MARKINGS.
- THE CONTRACTOR SHALL ENSURE THAT THE APPROPRIATE STRIPING AND PAVEMENT MARKINGS ARE IN PLACE AT ALL TIMES. TEMPORARY STRIPING AND/OR PAVEMENT MARKINGS SHALL BE INSTALLED TO REPLACE ANY EXISTING STRIPING OR MARKINGS WHICH HAVE BEEN REMOVED. ANY CONFLICTING STRIPING SHALL BE REMOVED IMMEDIATELY BY THE CONTRACTOR PRIOR TO REOPENING THE STREET TO TRAFFIC.
- R30E (CA) "NO PARKING" SIGNS ARE TO BE INSTALLED AT A 45° ANGLE FACING DIRECTION OF TRAFFIC FLOW. SIGN SIZE SHALL BE 18" X 24".
- THE CONTRACTOR SHALL REPLACE ANY PAVEMENT DELINEATION AND TRAFFIC MARKINGS THAT ARE DAMAGED DURING THE COURSE OF WORK AT NO ADDITIONAL COST TO THE CITY.

**PROJECT ALIGNMENT MAINTENANCE HOLE SUMMARY**

STATION	SSMH ID #	SCOPE	CITY STANDARD DWGS	DESCRIPTION	ALTERNATIVE BID ITEM DESCRIPTION
PRIMARY CIPP REHABILITATION ALIGNMENT					
1+00	34P088	REHAB	S-12	REHABILITATE IN ACCORDANCE WITH PROJECT SPECIAL PROVISIONS.	R&R: ALSO REMOVE & REPLACE 12 LF OF 24" VCP ON MORMON SLOUGH TRUNK SEWER INTO SSMH W/ 30" ASTM F679 115 PSI PVC PIPE. INSTALL ONE 8-FOOT SECTION WITH BELL FACING UPSTREAM & ONE PLAIN-END 4-FOOT SECTION THAT CONNECTS TO (E) SS PER DETAIL 2, DWG 8. INSTALL 30" SS AT INVERT OF -2.76 INTO SSMH-34P088. (N) 30" PVC SS INTO (N) SSMH SHALL BE SIMILAR TO PAGE 3 OF STD DWG S-12.
4+45	34P074	REHAB	S-12	LOCATE & REHABILITATE IN ACCORDANCE WITH PROJECT SPECIAL PROVISIONS. RAISE FRAME & COVER TO MATCH (E) GRADE.	R&R: FLOW IS STRAIGHT THROUGH, NO ADD'L INFLOWS, SHORING REQUIRES COMPLIANCE WITH BNSF LOADING A & DESIGN PER COOPER E-80 LOADING.
7+65	34P062	ABANDON	NA	INSTALL REINFORCED CONCRETE CLOSURE CAP ACROSS TOP OF BASE, BACKFILL ABOVE (E) BASE W/ CDF TO AB SUBGRADE. REMOVE ALL MH BARRELS, CONE, FRAME, & COVER COMPONENTS LESS THAN 8' BELOW GRADE. SALVAGE FRAME AND COVER, RETURN TO CITY.	--
8+41		INSTALL (N) DROP MH	S-6, S-12	CONSTRUCT BASE AND BARRELS PER S-12. CONNECT 6" PVC PIPE FROM EAST TO (N) DROP MH. DROP IS INTERNAL & DEVIATION FROM STANDARD; UPSIZE DETAIL FROM STD DWG S-6 TO 6" TO MATCH (E) PIPE SIZE.	--
12+01	34P037	REHAB	S-12	REHABILITATE IN ACCORDANCE WITH PROJECT SPECIAL PROVISIONS.	R&R: 90-DEGREE BEND, NO ADD'L INFLOWS; CHANNELIZE SIMILAR TO STD DWD D-5 W/ MINIMUM RADIUS OF 2' THROUGH TURN.
15+25		INSTALL (N) MH	S-12	FLOW IS STRAIGHT THROUGH, NO ADD'L INFLOWS.	--
16+42	34P025		NA	UPSTREAM END OF PIPE REHAB - NO MH MODIFICATION. ALTERNATIVE LOCATION FOR UPSTREAM PLUG, MUST BE UPSTREAM OF SSMH & CLEAR OF OPERATIONS.	--
	34P109		NA	INSTALL UPSTREAM PLUG.	--
SCOTT'S AVENUE REROUTE					
7+66, 8' EAST		INSTALL (N) MH	S-10	COMBINE FLOWS FROM 6" SS LATERALS SIMILAR TO STANDARD DETAIL D-5.	--
8+16, 7' EAST		REMOVE (E) MH		REMOVE & RECONNECT UPSTREAM 6" SS TO (N) 6" SEWER USING WYE. SALVAGE FRAME & COVER, RETURN TO CITY.	--
8+41, 8' EAST		MODIFY (E) MH	S-10	INSTALL INTERNAL DROP ON (E) 6" UNCONTROLLED DROP FROM NORTH. DROP IS INTERNAL & DEVIATION FROM STANDARD; UPSIZE 4" PIPE FROM STD DWG S-6 TO 6" TO MATCH (E) PIPE SIZE. CORE THRU BASE & CHIP OUT CONCRETE TO CREATE (N) CHANNEL FOR (N) 6" SEWER FROM SOUTH PER STANDARD DETAIL D-5, PACK W/ GROUT.	--

- NOTE:
- FOR ALL SSMH R&R, (E) CAST-IN-PLACE RCP IS TO BE SAWCUT AT EACH END OF THE (N) SSMH TO BE CAST. COAT EXPOSED REBAR W/ RUST INHIBITOR PRIOR TO CASTING SSMH BASE. CONTRACTOR SHALL SALVAGE FRAME AND COVER AND RETURN TO CITY. CONTRACTOR SHALL INCLUDE CONE AND FRAME & COVER PER CITY STANDARD DRAWINGS. SSMHS SHALL BE COATED WHERE REQUIRED PER CITY STANDARD SPECIFICATION 71-1.09.
  - CITY WILL DETERMINE WHEN ALTERNATIVE SCOPE WILL BE IMPLEMENTED AND PROVIDE NOTICE TO CONTRACTOR.
  - THE SAME NEW SANITARY SEWER MH IS USED FOR MHs THAT ARE TO BE REHABBED UNDER THE BASE SCOPE OR REMOVED & REPLACED IF ALTERNATIVE SCOPE IS IMPLEMENTED.

**PAVEMENT REPAIR TABLE**

STREET	TI	MINIMUM AC DEEPLIFT
SIERRA NEVADA STREET	6.0	12"
HAZELTON AVENUE	7.0	12.5"
WILSON WAY	8.0	14.5"
WILSON WAY (FRONTAGE)	6.0	12"
SCOTT'S AVENUE	6.0	12"
WORTH STREET	6.0	12"

NOTE: MAXIMUM 15" A.C. DEEPLIFT FOR ALL STREETS  
TAYLOR STREET MAY NOT BE ACCESSED OR DISTURBED WITHOUT BNSF PERMISSION

**UTILITY CONTACTS**

AT&T (PACIFIC BELL)	213-633-3122	MARSHALL JOHNSON
CALIFORNIA WATER SERVICE	209-547-7900	JEREMIAH MECHAM
CENTURY LINK	303-992-9931	
COMCAST	925-424-0278	MARTINA GOMEZ
PG&E	877-743-7782	BRAD JOAQUIN
BNSF	559-457-7621	MATT HANS

**STANDARD DRAWINGS SPECIAL REFERENCES**

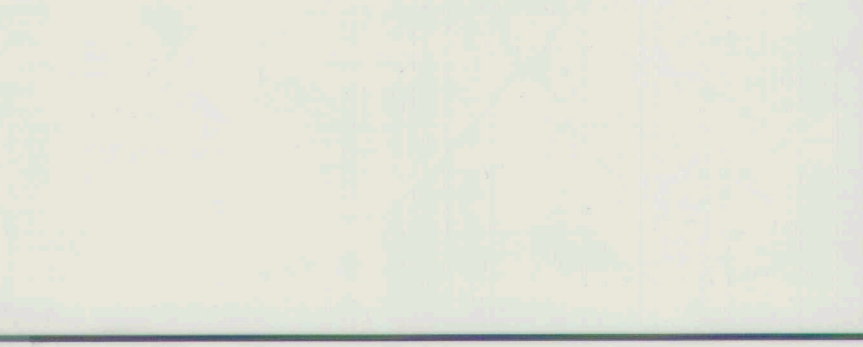
DWG. NO.	DESCRIPTION
R-36	EXISTING STREET TRENCH SECTION FOR TRENCHES WIDER THAN 8'
R-38	TRENCH SECTION (EXISTING STREET) ADDITIONAL PAVEMENT RESTORATION
S-4	CALIFORNIA HEALTH DEPARTMENT REQUIREMENTS
S-6	INSIDE SANITARY SEWER DROP
S-7	PRE-CAST CONCRETE MAINTENANCE HOLE CONES
S-8	MAINTENANCE HOLE FRAME & COVER
S-10	TYPE 1 MAINTENANCE HOLE FOR PIPES 33" DIAMETER OR SMALLER
S-12	TYPE 2 MAINTENANCE HOLE FOR PIPES 36" DIAMETER AND LARGER.
S-15	PROTECTION OF STORM DRAINS AND SANITARY SEWER LINES
S-18	CLEANOUT
D-5	TYPICAL INTERSECTION FOR TYPE 1 MAINTENANCE HOLE

FILE SPEC: P:\2404\_COS\_Sierra\_Nevada\_Sl\_SS\_Rehab\0010\_Sl\_SS\_Rehab\0010\_Sl\_SS\_Rehab\020\_CAD\Sheets\2&3\_C-002-Notes.dwg  
PLOT DATE: Oct 07, 2021 - 2:13pm



DRAWING SCALE

AS SHOWN
ORIGINAL DRAWING SCALE
0 1/2" 1"



DRAWING SCALE

AS SHOWN
ORIGINAL DRAWING SCALE
0 1/2" 1"

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916-403-5900

NO.	DESCRIPTION	DATE	APPR.

**SIERRA NEVADA STREET  
SANITARY SEWER LINE REHABILITATION**

**GENERAL NOTES**

DEPARTMENT OF PUBLIC WORKS  
CITY OF STOCKTON, CALIFORNIA

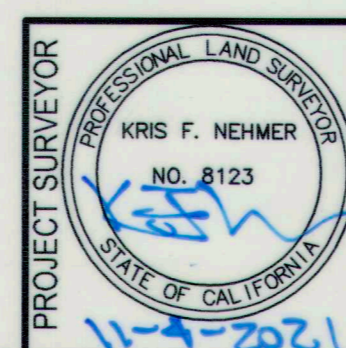
SCALE: AS SHOWN	APPROVED BY: DATE: <i>[Signature]</i> 10/07/21	SHEET NO. 3
DESIGNED BY: BDW	DRAWN BY: PX	OF 17 SHTS
CHECKED BY: SKS	RECORD DWG:	PROJECT NO. UW18029
		CITY ENGINEER STOCKTON, CALIF.

FILE SPEC: P:\2404\_COS\_Sierra\_Nevada\_St\_SS\_Rehab\0010\_SN\_SS\_Rehab\07\_Survey\100\_Control\CONTROL SHEET.dwg  
 PLOT DATE: Nov 03, 2021 - 11:08am



COORDINATES, BEARINGS AND DISTANCES SHOWN ARE BASED ON THE NORTH AMERICAN DATUM OF 1983 (NAD83) CONVERTED TO THE CALIFORNIA COORDINATE SYSTEM OF 1983, ZONE 3 (CCS83-III) AS REFERENCED BY AVAILABLE NGS AND CITY OF STOCKTON SURVEY CONTROL MONUMENTS. GRID DISTANCES SHOWN MUST BE MULTIPLIED BY 1.00006113 TO OBTAIN GROUND DISTANCES. THE COMBINED SCALE FACTOR AND MAPPING ANGLE OF -0°29'14" WERE CALCULATED AT POINT 340. ELEVATIONS SHOWN ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88) AS REFERENCED BY AVAILABLE NGS AND CITY OF STOCKTON BENCHMARKS. UNITS SHOWN ARE BASED ON THE U.S. SURVEY FOOT, 1991.35 EPOCH DATE ADJUSTMENT.

POINT	NORTHING	EASTING	ELEVATION	DESCRIPTION
174	2167850.11	6345075.86	21.60	A BRASS DISK MARKING COS MONUMENT STAMPED 5S-11 IN A MONUMENT BOX ON THE SOUTH SIDE OF CHARTER WAY APPROXIMATELY 20 FEET NORTH OF THE SOUTH RIGHT OF WAY FENCE.
175	2167317.50	6343741.87	24.97	A BRASS DISK MARKING COS MONUMENT STAMPED 5S-12 IN A MONUMENT BOX IN A TRAFFIC CONTROL ISLAND AT THE SOUTH SIDE OF CHARTER WAY AT MARIPOSA ROAD.
340	2163889.61	6332136.19	9.40	AN ALUMINUM CAP STAMPED CORP L.S. 4334, LOCATED IN A MONUMENT BOX IN THE CITY OF STOCKTON CORPORATION YARD. THE POINT IS APPROXIMATELY 30 FEET SOUTH OF THE TRUCK WASH STRUCTURE.



DRAWING SCALE  
 1" = 600'  
 ORIGINAL DRAWING SCALE  
 0 1/2" 1"

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 916-403-5900

DATE	OCT. 2021		
HORIZONTAL DATUM	CCS83, ZONE 3		
VERTICAL DATUM	NAVD88		
KSN PROJECT FILE NO.	2404-0010		
NO.	DESCRIPTION	DATE	APPR.

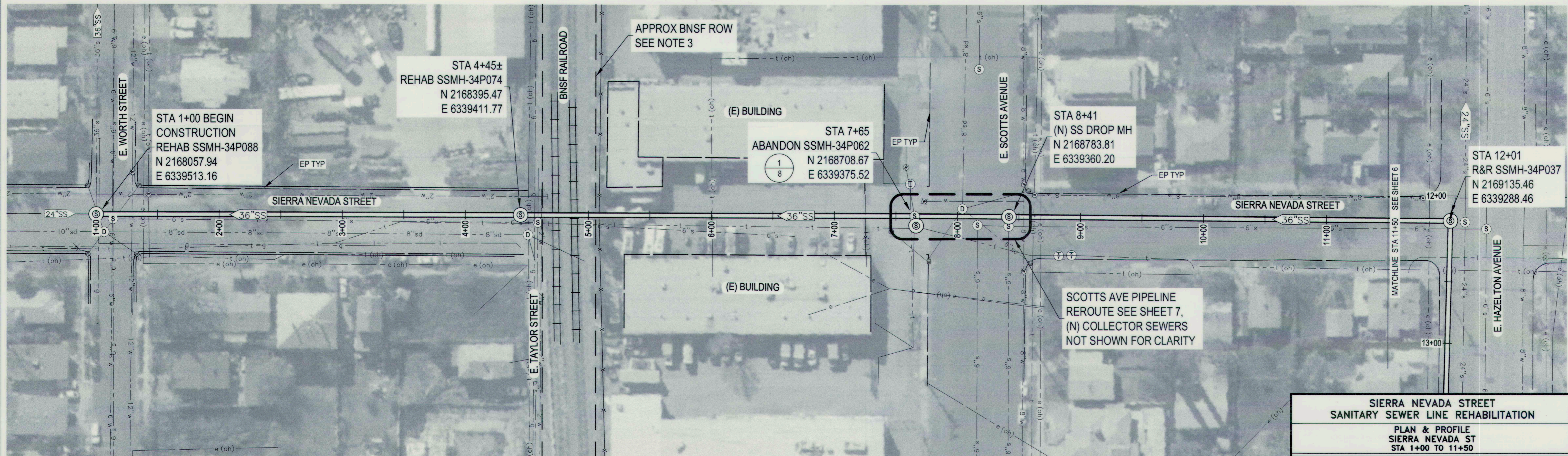
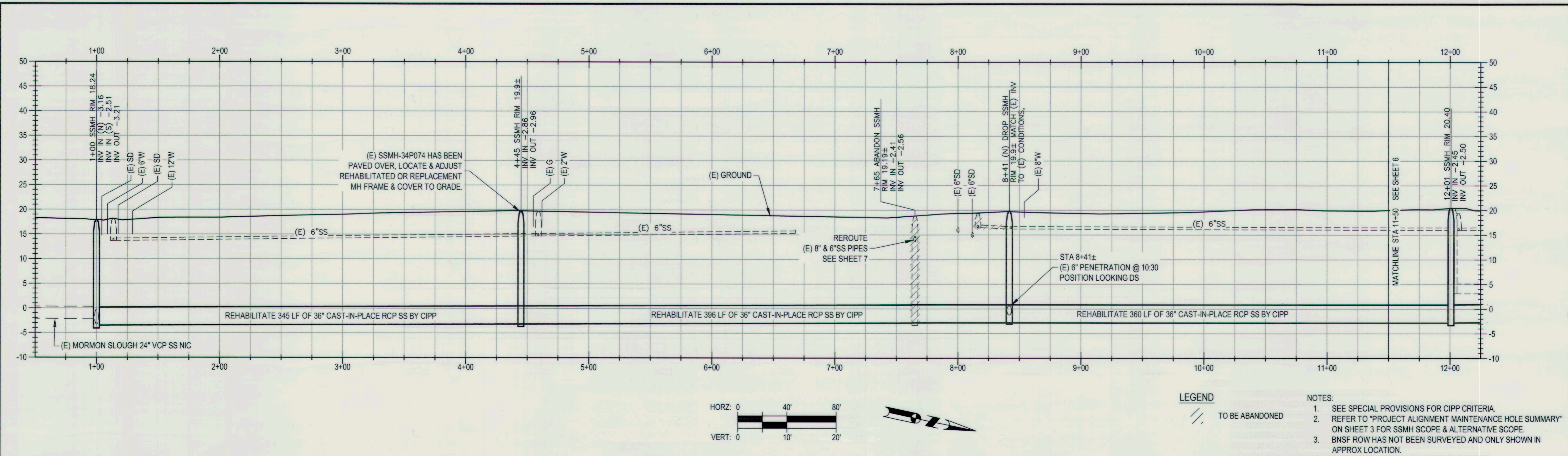
**SIERRA NEVADA STREET  
 SANITARY SEWER LINE REHABILITATION**

**CONTROL SHEET**

DEPARTMENT OF PUBLIC WORKS  
 CITY OF STOCKTON, CALIFORNIA

SCALE: AS SHOWN	APPROVED BY: DATE:	SHEET NO. 4
DESIGNED BY:		OF 17 SHTS
DRAWN BY: CGS		PROJECT NO. UW18029
CHECKED BY: KFN	CITY ENGINEER STOCKTON, CALIF.	
RECORD DWG:		

FILE SPEC: P:\2404\_COS\_Sierra\_Nevada\_ST\_SS\_Rehab\0010\_SN\_SS\_Rehab\08\_Civil\400\_Plans\020\_CAD\Sheets\5 to 7\_CU-200.dwg  
 PLOT DATE: Oct 07, 2021 - 2:13pm



**PROJECT ENGINEER**  
 REGISTERED PROFESSIONAL ENGINEER  
 WILLIAM D. WOPPALA  
 No. 62970  
 CIVIL ENGINEER  
 STATE OF CALIFORNIA  
 11/4/21

**DRAWING SCALE**  
 AS SHOWN  
 ORIGINAL DRAWING SCALE  
 0 1/2" 1"

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NO.	DESCRIPTION	DATE	APPR.

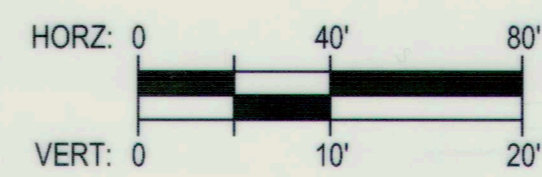
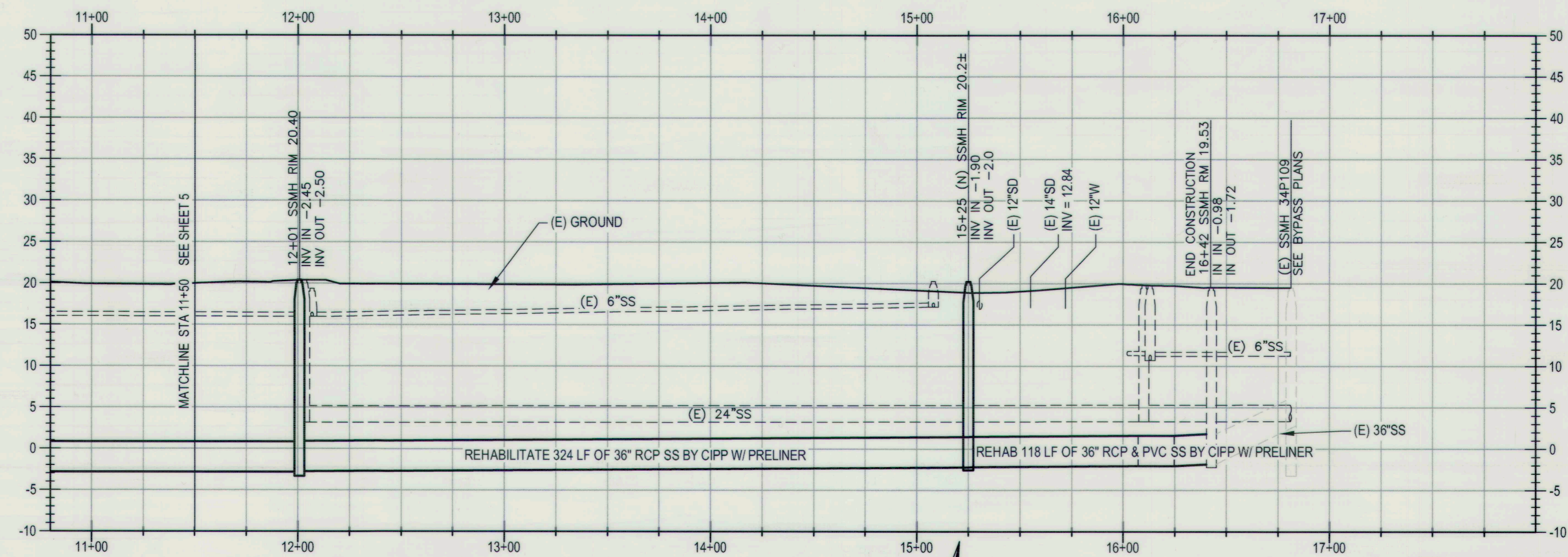
**SHERIFF**  
 DATE: OCT. 2021  
 HORIZONTAL DATUM: CCS83, ZONE 3  
 VERTICAL DATUM: NAVD88  
 KSN PROJECT FILE NO: 2404-0010

**DEPARTMENT OF PUBLIC WORKS  
 CITY OF STOCKTON, CALIFORNIA**

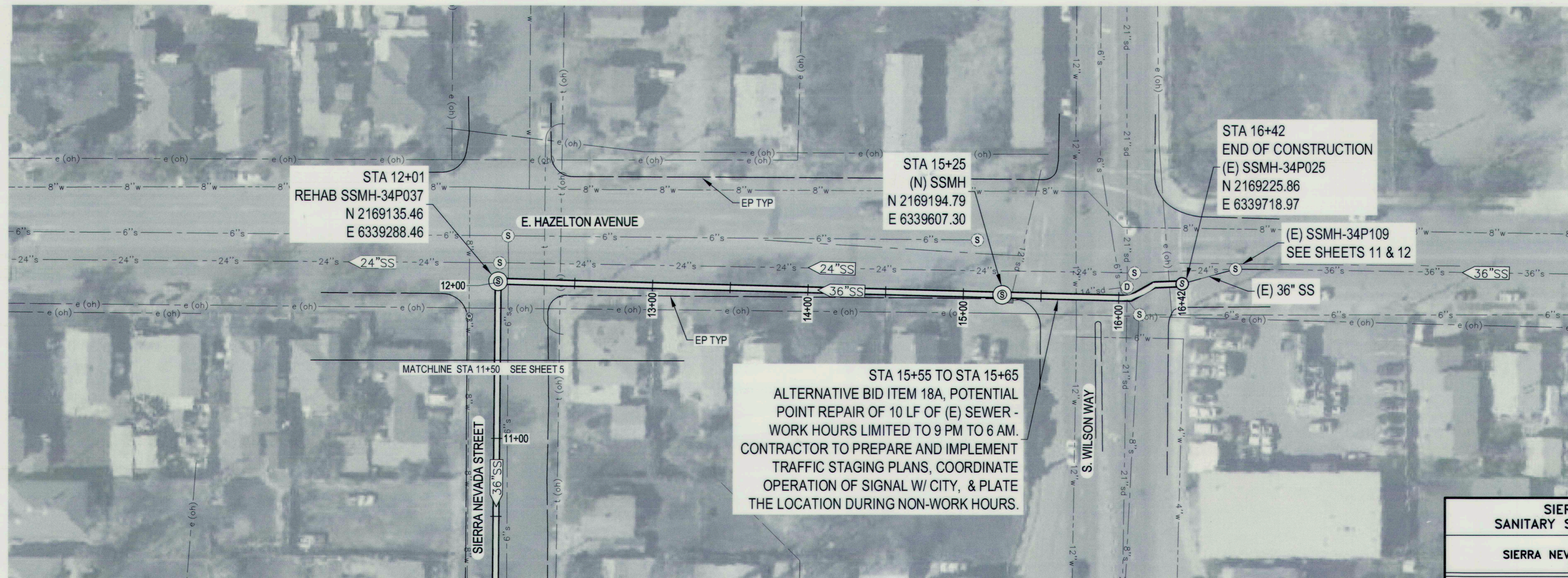
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 DESIGNED BY: BDW  
 DRAWN BY: PX  
 CHECKED BY: SKS  
 RECORD DWG:

APPROVED BY: *[Signature]* DATE: *[Date]*  
 CITY ENGINEER  
 STOCKTON, CALIF.

SHEET NO. 5  
 OF 17 SHTS  
 PROJECT NO. UW18029



- NOTES:
- SEE SPECIAL PROVISIONS FOR CIPP CRITERIA.
  - REFER TO "PROJECT ALIGNMENT MAINTENANCE HOLE SUMMARY" ON SHEET 3 FOR SSMH SCOPE & ALTERNATIVE SCOPE.
  - CONTRACTOR TO DETERMINE ALIGNMENT OF SEWER FROM SSMH-34P037 TO SSMH-34P025 PRIOR TO CONSTRUCTING (N) SSMH @ 15+25 & CIP REHAB. ALIGNMENT HAS NOT BEEN SURVEYED AND CONTAINS BENDS WITHOUT SSMH. ADJUST LOCATION OF SSMH @ 15+25 TO (E) ALIGNMENT.

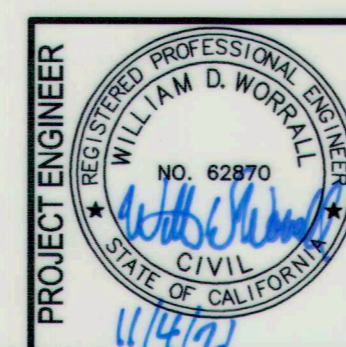


STA 15+55 TO STA 15+65  
 ALTERNATIVE BID ITEM 18A, POTENTIAL  
 POINT REPAIR OF 10 LF OF (E) SEWER -  
 WORK HOURS LIMITED TO 9 PM TO 6 AM.  
 CONTRACTOR TO PREPARE AND IMPLEMENT  
 TRAFFIC STAGING PLANS, COORDINATE  
 OPERATION OF SIGNAL W/ CITY, & PLATE  
 THE LOCATION DURING NON-WORK HOURS.

STA 16+42  
 END OF CONSTRUCTION  
 (E) SSMH-34P025  
 N 2169225.86  
 E 6339718.97

(E) SSMH-34P109  
 SEE SHEETS 11 & 12

<b>SIERRA NEVADA STREET SANITARY SEWER LINE REHABILITATION</b>			
<b>PLAN &amp; PROFILE SIERRA NEVADA ST &amp; HAZELTON AVENUE STA 11+50 TO 16+42</b>			
DEPARTMENT OF PUBLIC WORKS CITY OF STOCKTON, CALIFORNIA			
SCALE: AS SHOWN	APPROVED BY: <i>[Signature]</i>	DATE: <i>[Blank]</i>	SHEET NO. 6
DESIGNED BY: BDW	CITY ENGINEER STOCKTON, CALIF.		OF 17 SHTS
DRAWN BY: PX			PROJECT NO. UW18029
CHECKED BY: SKS	RECORD DWG:	KSN PROJECT FILE NO. 2404-0010	



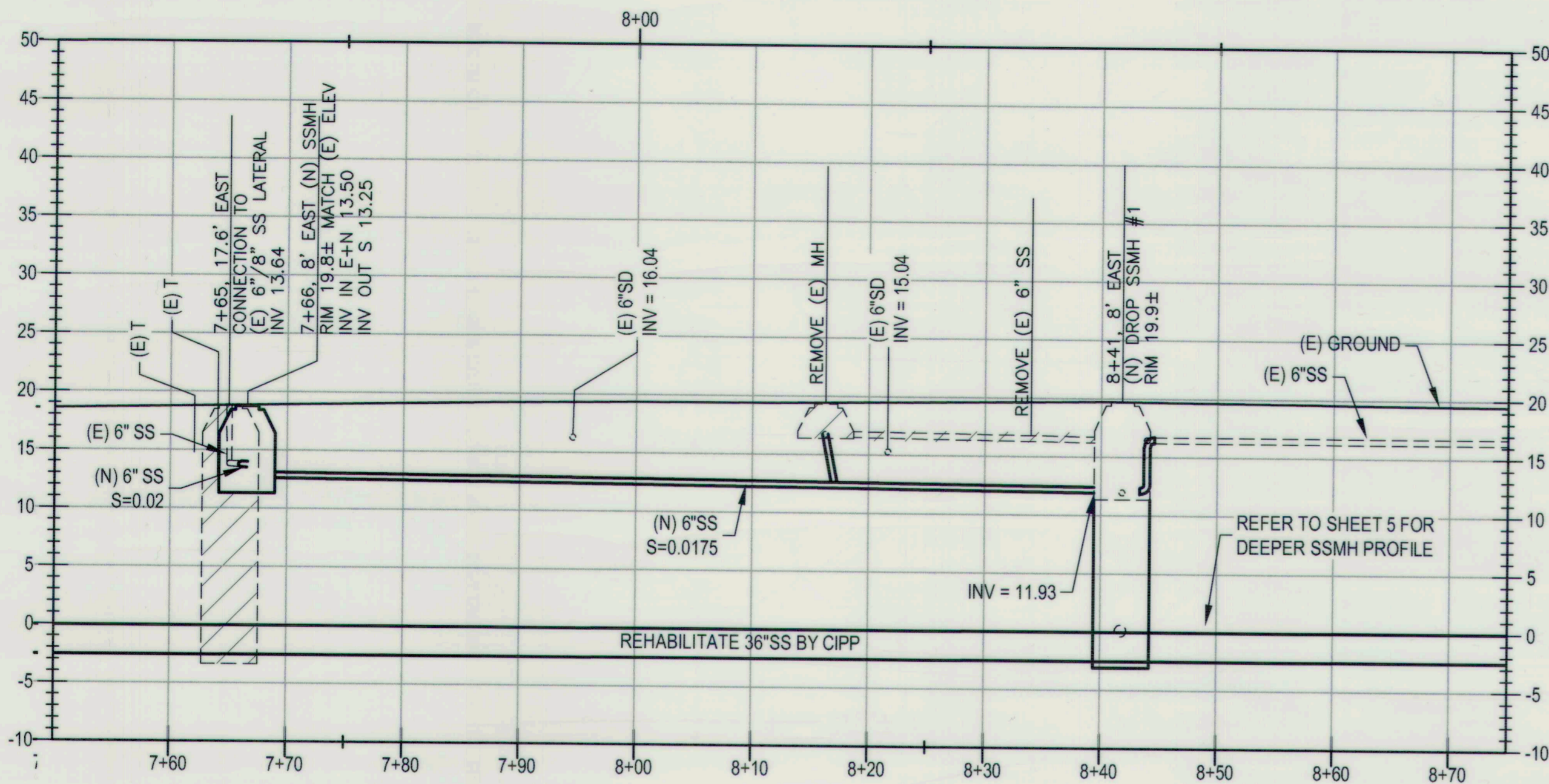
DRAWING SCALE  
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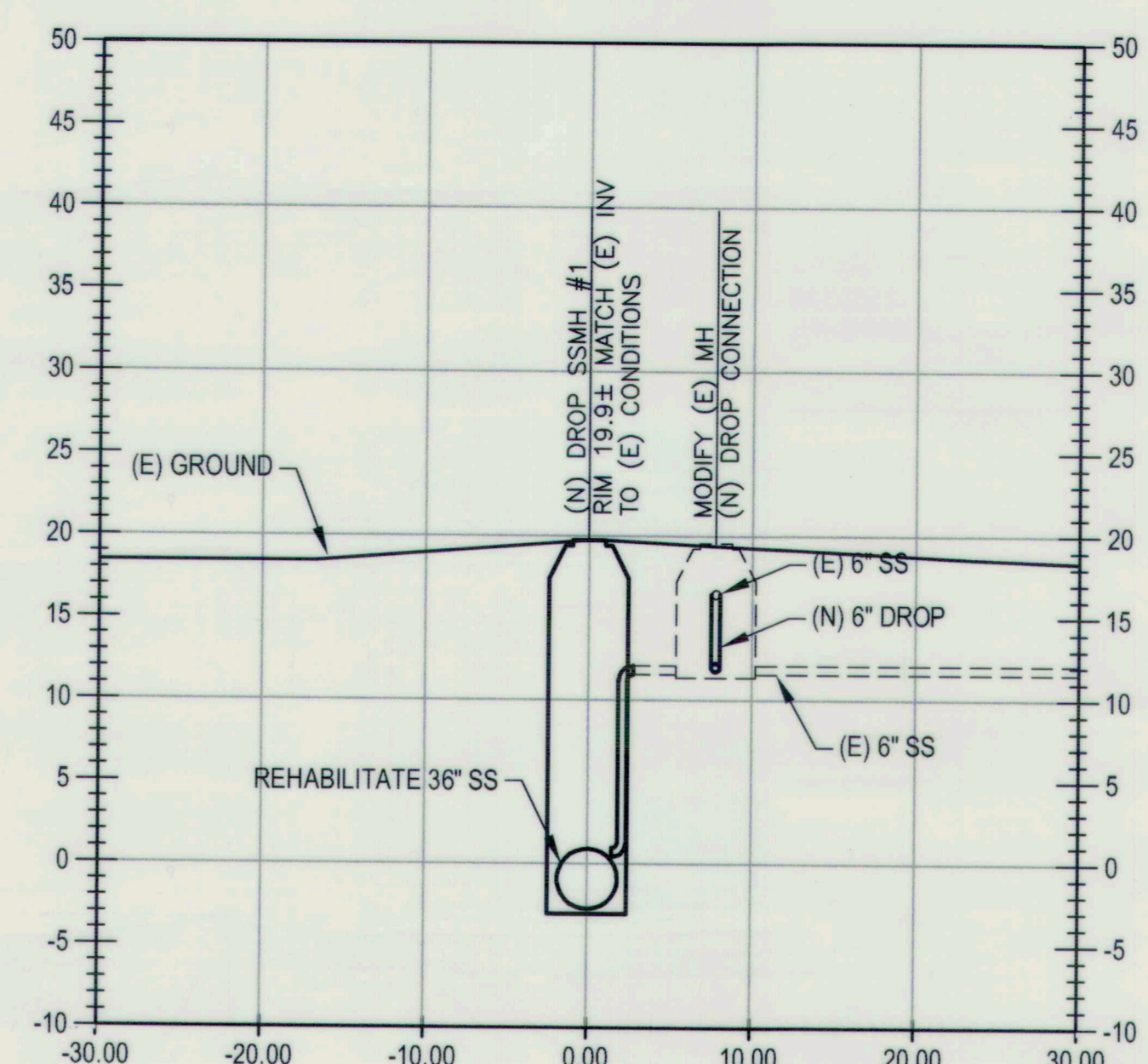
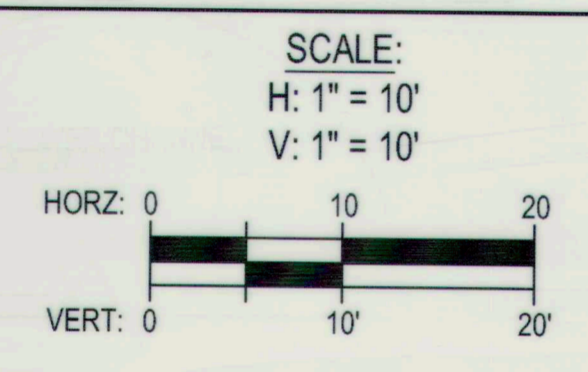
NO.	DESCRIPTION	DATE	APPR.

FILE SPEC: P:\2404\_COS\_Sierra\_Nevada\_St\_SS\_Rehab\0010\_SN\_SS-Rehab\08\_Civil\400\_Plans\020\_CAD\_Sheets\5 to 7\_CU-200.dwg  
 PLOT DATE: Oct 07, 2021 2:13pm

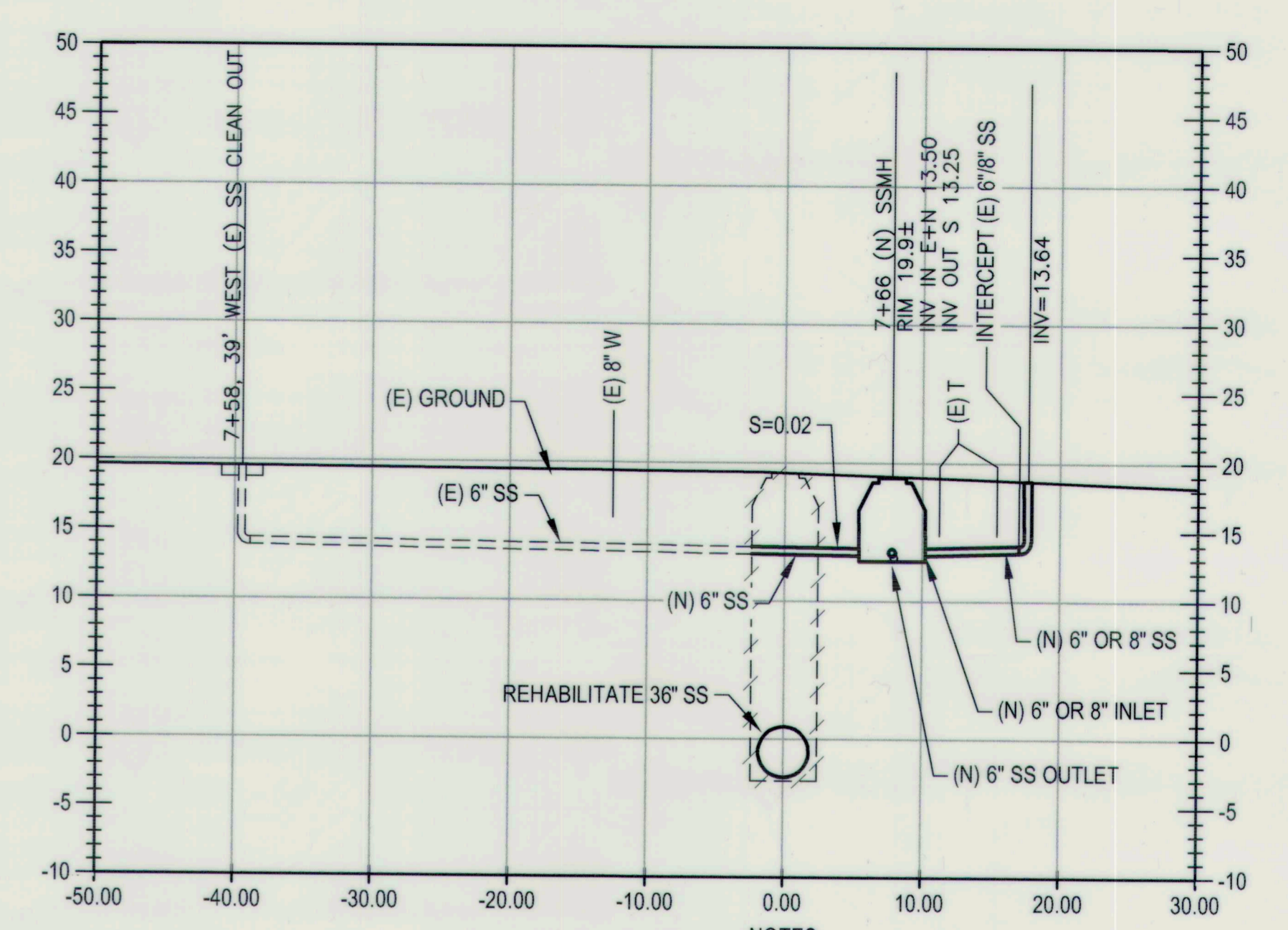
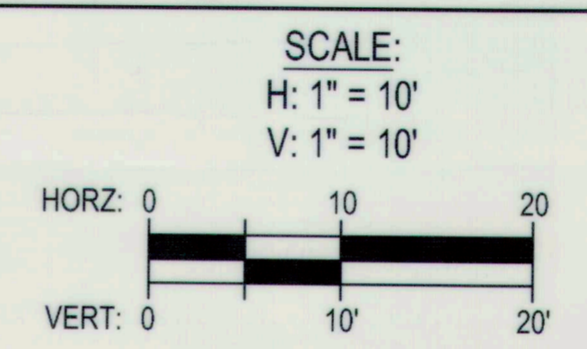




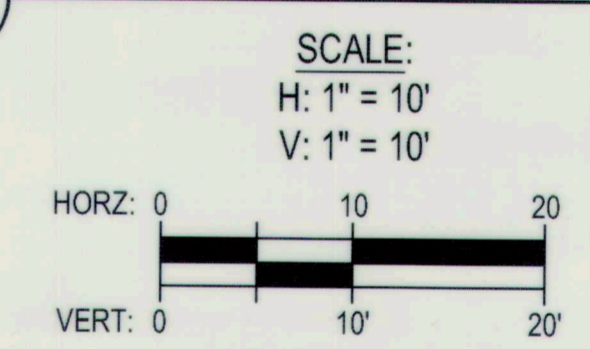
**A-A** PROFILE



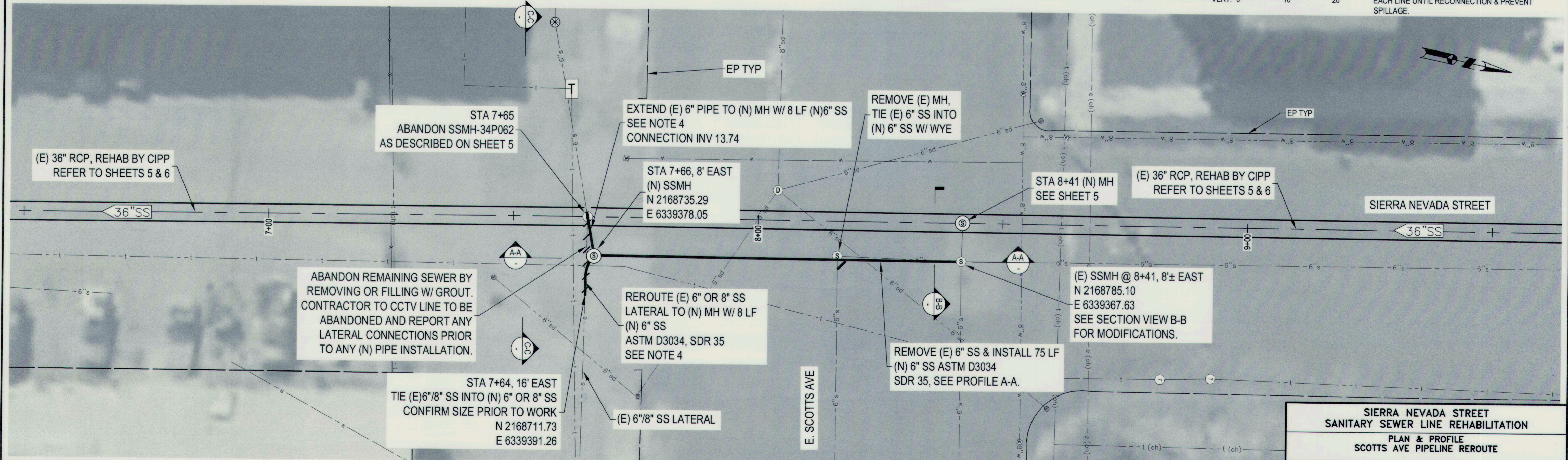
**B-B** SECTION VIEW



**C-C** SECTION VIEW

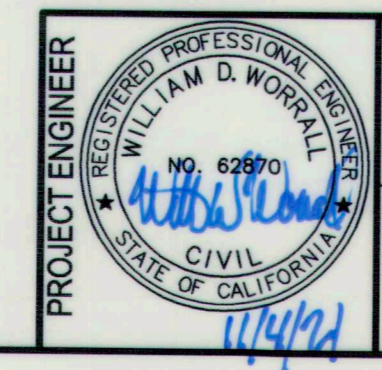


- NOTES:
1. REFER TO "PROJECT ALIGNMENT MAINTENANCE HOLE SUMMARY" ON SHEET 3 FOR SSMH SCOPE.
  2. ONLY PARALLEL SEWERS, CROSSING UTILITY LINES SHOWN FOR CLARITY IN PROFILES.
  3. CONTRACTOR TO POTHOLE ALL CROSSING UTILITIES PRIOR TO TRENCHING. REPORT ANY CONFLICTS TO CITY IMMEDIATELY.
  4. REROUTING OF LATERAL FLOWS TO (N) SS SHALL BEGIN AFTER 5 PM & COMPLETED BEFORE 7 AM. PLUG EACH LINE UNTIL RECONNECTION & PREVENT SPILLAGE.



**SIERRA NEVADA STREET  
SANITARY SEWER LINE REHABILITATION  
PLAN & PROFILE  
SCOTTS AVE PIPELINE REROUTE**

DEPARTMENT OF PUBLIC WORKS CITY OF STOCKTON, CALIFORNIA			
SCALE: AS SHOWN	APPROVED BY: <i>[Signature]</i>	DATE: 12/22	SHEET NO. 7
DESIGNED BY: BDW	DRAWN BY: PX		OF 17 SHTS
CHECKED BY: SKS	RECORD DWG:		PROJECT NO. UW18029
CITY ENGINEER STOCKTON, CALIF.			



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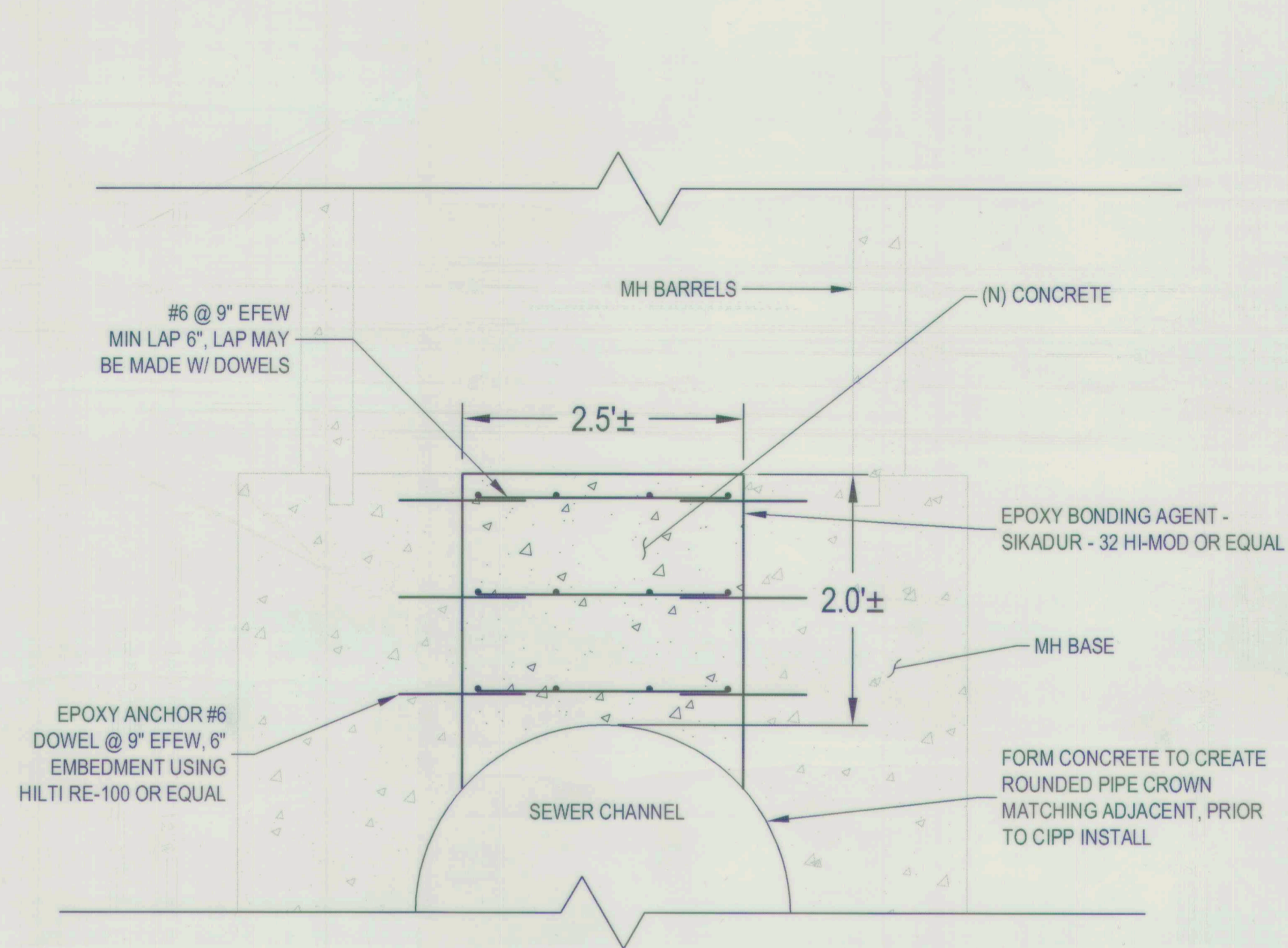
1550 Harbor Blvd., Suite 212  
West Sacramento, CA 95691  
916-403-5900

NO.	DESCRIPTION	DATE	APPR.

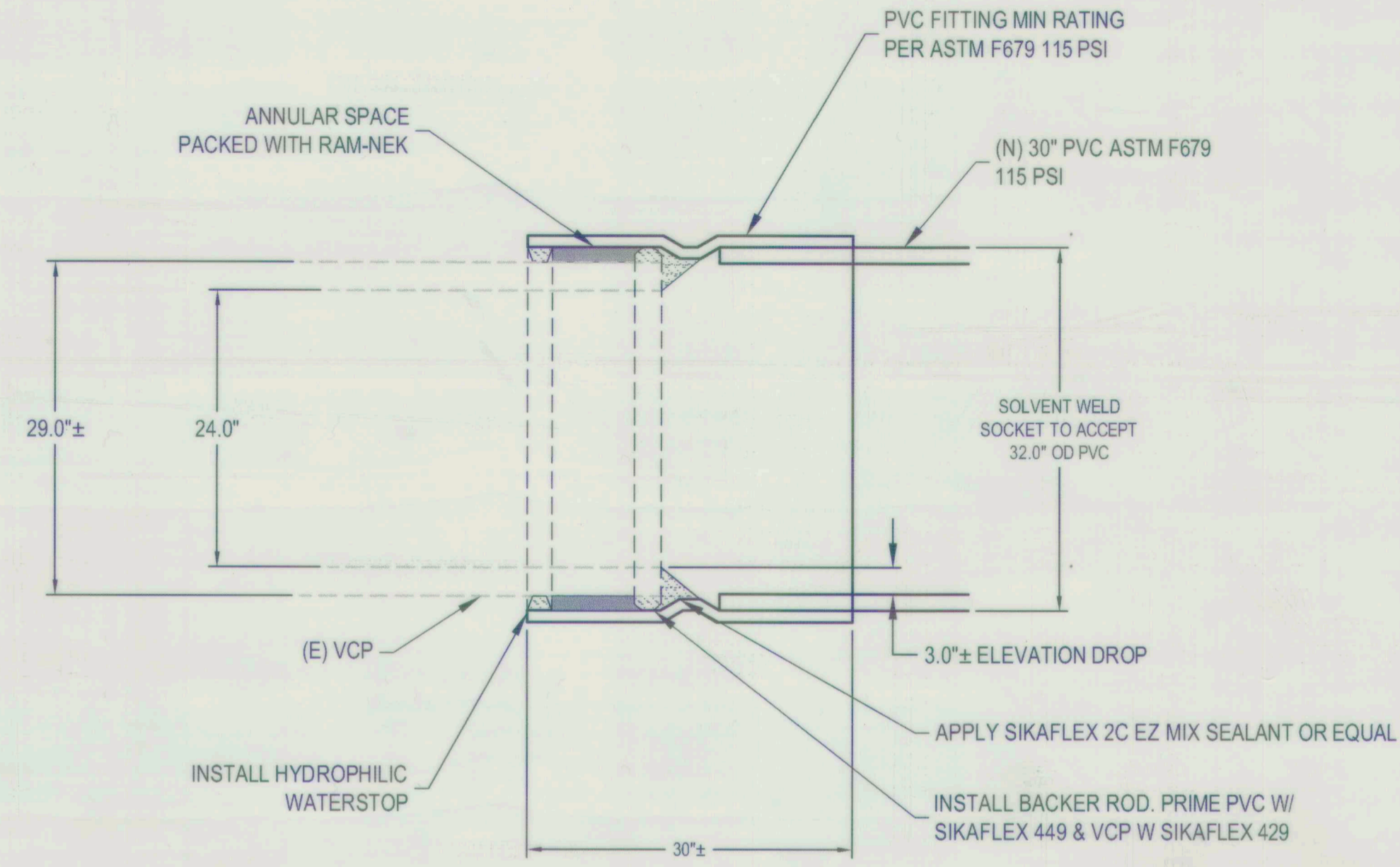
FILE SPEC: P:\2404\_COS\_Sierra\_Nevada\_ST\_SS\_Rehab\0010\_SS\_Rehab\08\_Civil\400\_Plans\020\_CAD\Sheets\5 to 7\_CU-200.dwg  
PLOT DATE: Oct 07, 2021 - 2:13pm



FILE SPEC: P:\2404\_C05\_Sierra\_Nevada\_SL\_SS\_Rehab\0010\_SL\_SS\_Rehab\08\_Civil\400\_Plans\020\_CAD\Sheets\B\_CZ-500.dwg  
 PLOT DATE: Oct 07, 2021 - 2:13pm

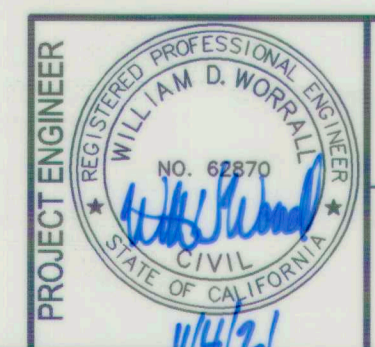


**1** SSMH-34P062 BASE CLOSURE  
 N.T.S.



**2** CONCENTRIC PVC ADAPTER - ALTERNATIVE BID ITEM FOR SSMH-34P088  
 N.T.S.

NOTES:  
 1. FITTINGS SHALL BE BY SPECIFIED FITTINGS, BELLINGHAM, WA OR EQUAL



DRAWING SCALE  
 AS SHOWN  
 ORIGINAL DRAWING SCALE  
 0 1/2" 1"

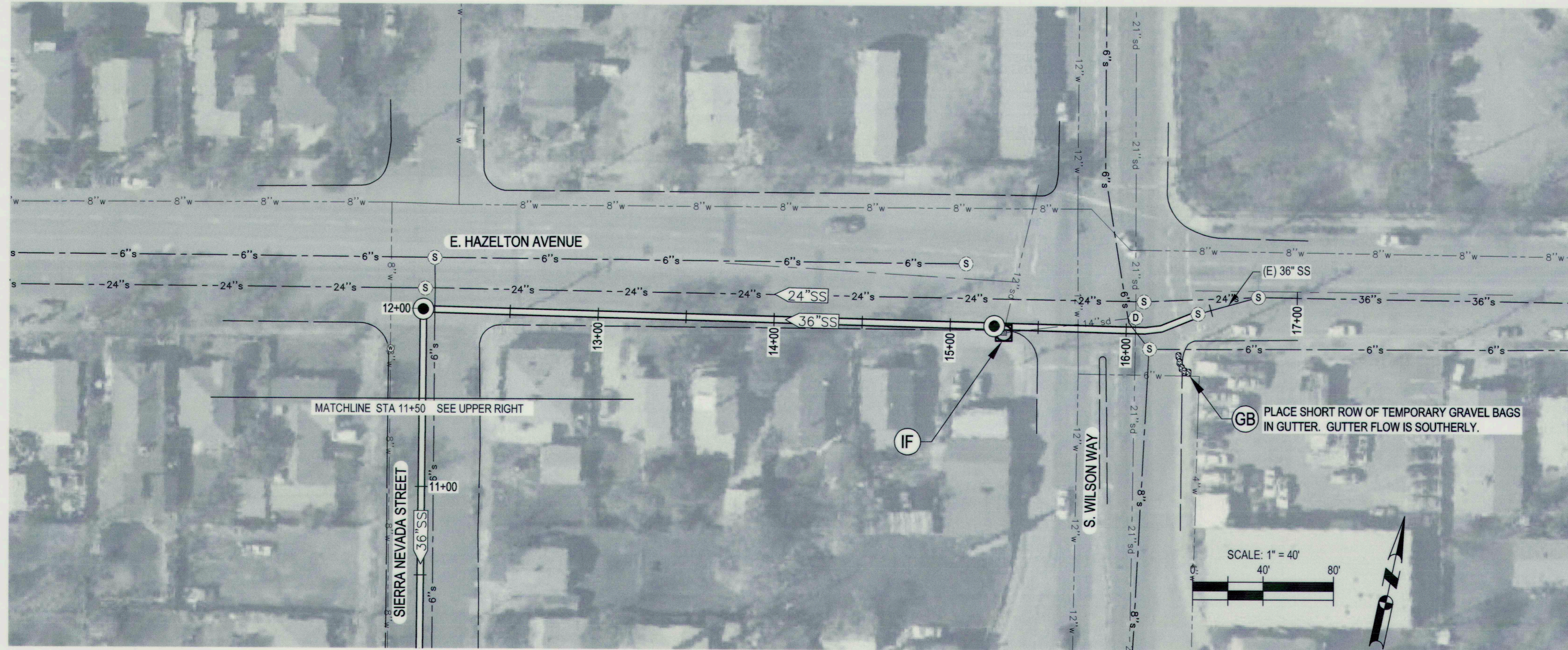
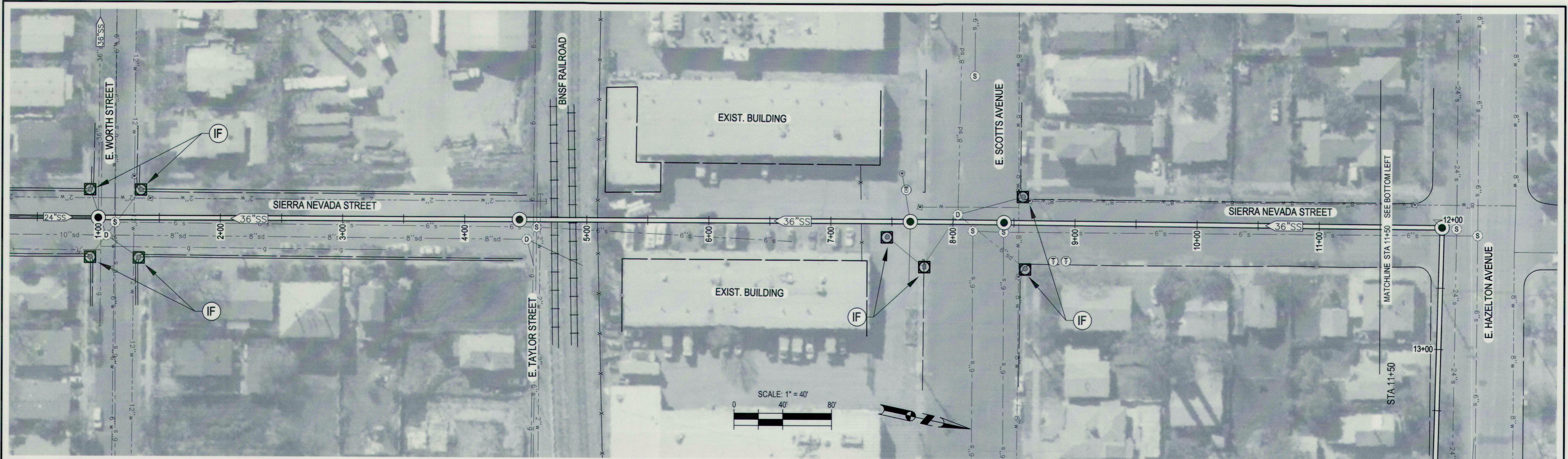
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NO.	DESCRIPTION	DATE	APPR.

<b>SIERRA NEVADA STREET SANITARY SEWER LINE REHABILITATION</b>			
CIVIL DETAILS			
DEPARTMENT OF PUBLIC WORKS CITY OF STOCKTON, CALIFORNIA			
SCALE: AS SHOWN	APPROVED BY: <i>[Signature]</i>	DATE: 10/5/21	SHEET NO. 8
DESIGNED BY: BDW	DRAWN BY: PX	CHECKED BY: SKS	OF 17 SHTS
RECORD DWG:	CITY ENGINEER STOCKTON, CALIF.	KSN PROJECT FILE NO. 2404-0010	PROJECT NO. UW18029



FILE SPEC: P:\2404\_COS\_Sierra\_Nevada\_St\_SS\_Rehab\0010\_SN\_SS\_Rehab\0010\_SN\_SS\_Plans\020\_CAD\Streets\9&10\_CE-200.dwg  
 PLOT DATE: Oct 07, 2021 2:13pm



**TEMPORARY EROSION CONTROL -- LEGEND**

(IF) [Symbol] STORM DRAIN INLET FILTER, E.C. DETAIL 1

(GB) [Symbol] TEMPORARY GRAVEL BAGS

SEE SHEET 10 FOR DETAILS

**SIERRA NEVADA STREET  
 SANITARY SEWER LINE REHABILITATION**

**EROSION CONTROL PLAN  
 SIERRA NEVADA ST &  
 HAZELTON AVE**

DEPARTMENT OF PUBLIC WORKS  
 CITY OF STOCKTON, CALIFORNIA

SCALE: AS SHOWN	APPROVED BY: [Signature]	DATE: [Signature]	SHEET NO. 9
DESIGNED BY: BDW	CITY ENGINEER STOCKTON, CALIF.		OF 17 SHTS
DRAWN BY: PX	PROJECT NO. UW18029		
CHECKED BY: SKS	RECORD DWG:		



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 ORIGINAL DRAWING SCALE  
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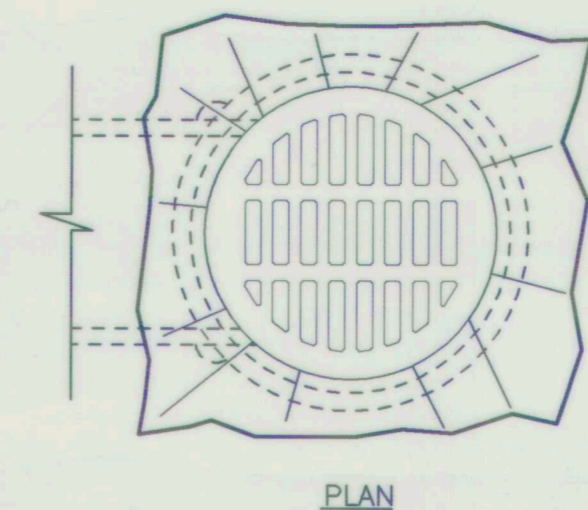


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 Stockton, CA 95203  
 209-946-0268  
 1550 Harbor Blvd., Suite 212  
 West Sacramento, CA 95691  
 916-403-5900

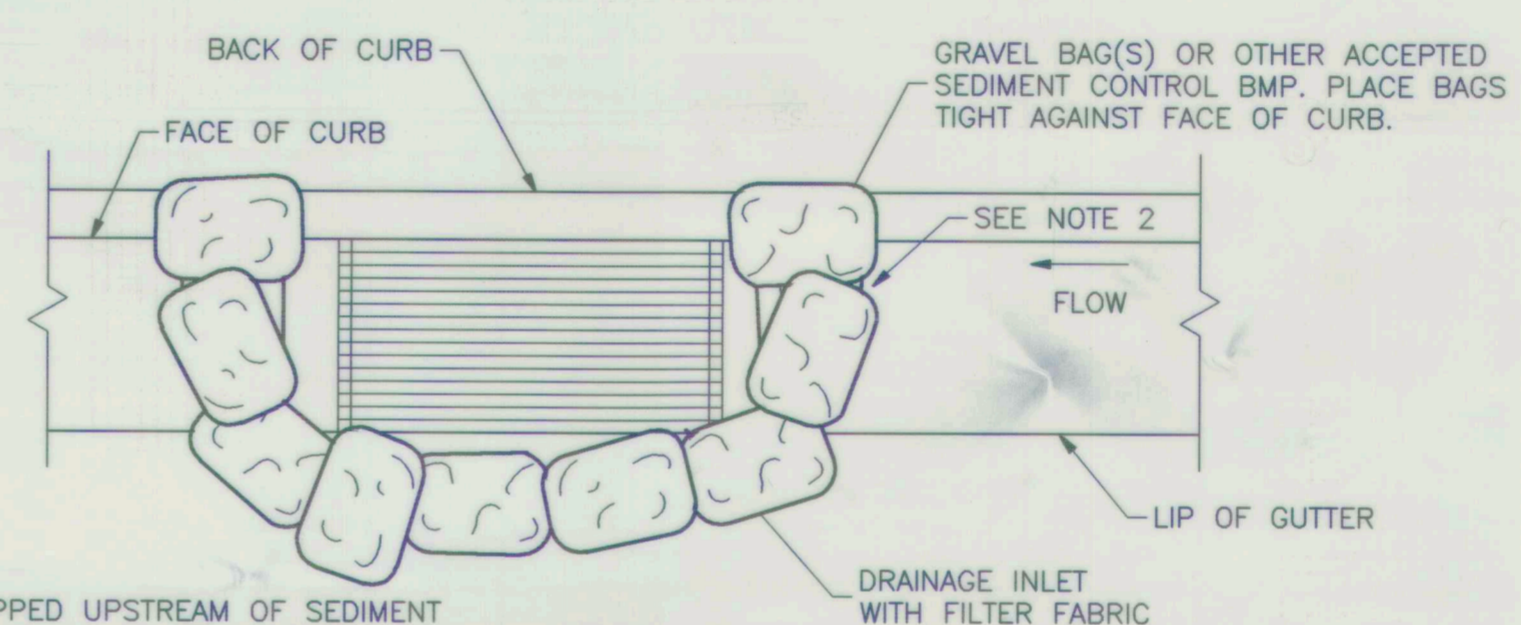
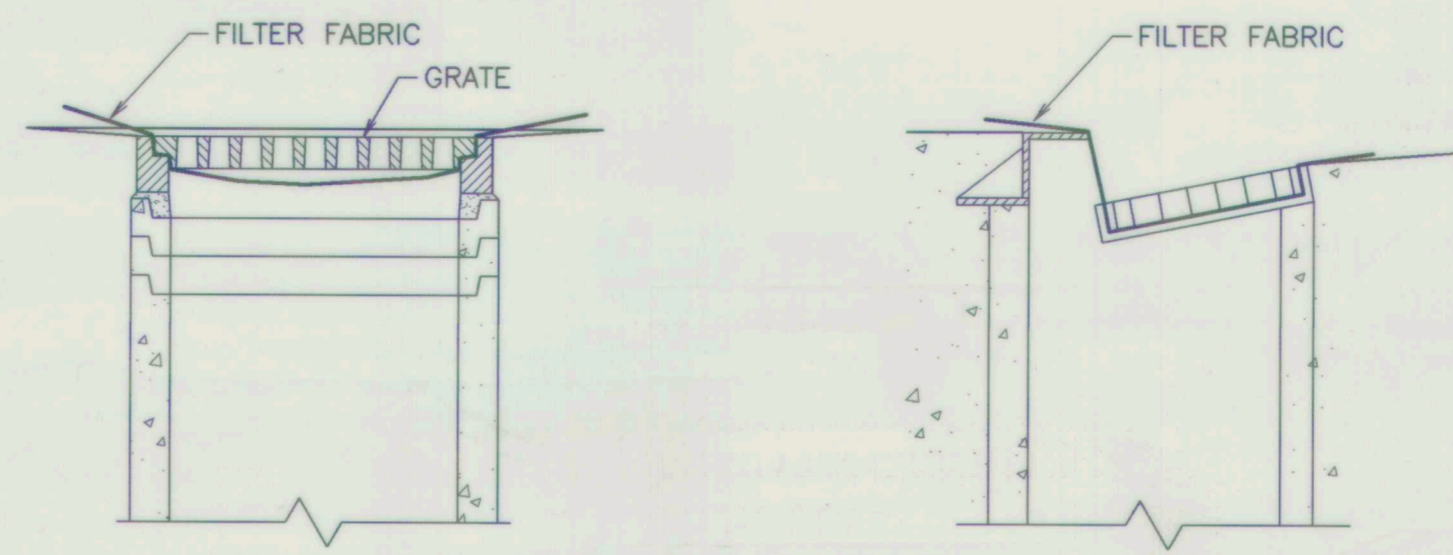
NO.	DESCRIPTION	DATE	APPR.

DATE: OCT. 2021  
 HORIZONTAL DATUM: CCS83, ZONE 3  
 VERTICAL DATUM: NAVD88  
 KSN PROJECT FILE NO.: 2404-0010

FILE SPEC: P:\2404\_COS\_Sierra\_Nevada\_St\_SS\_Rehab\0010\_SN\_SS\_Rehab\08\_Civil\400\_Plans\020\_CAD\Sheets\9&10\_CE-200.dwg  
 PLOT DATE: Oct 07, 2021 2:13pm

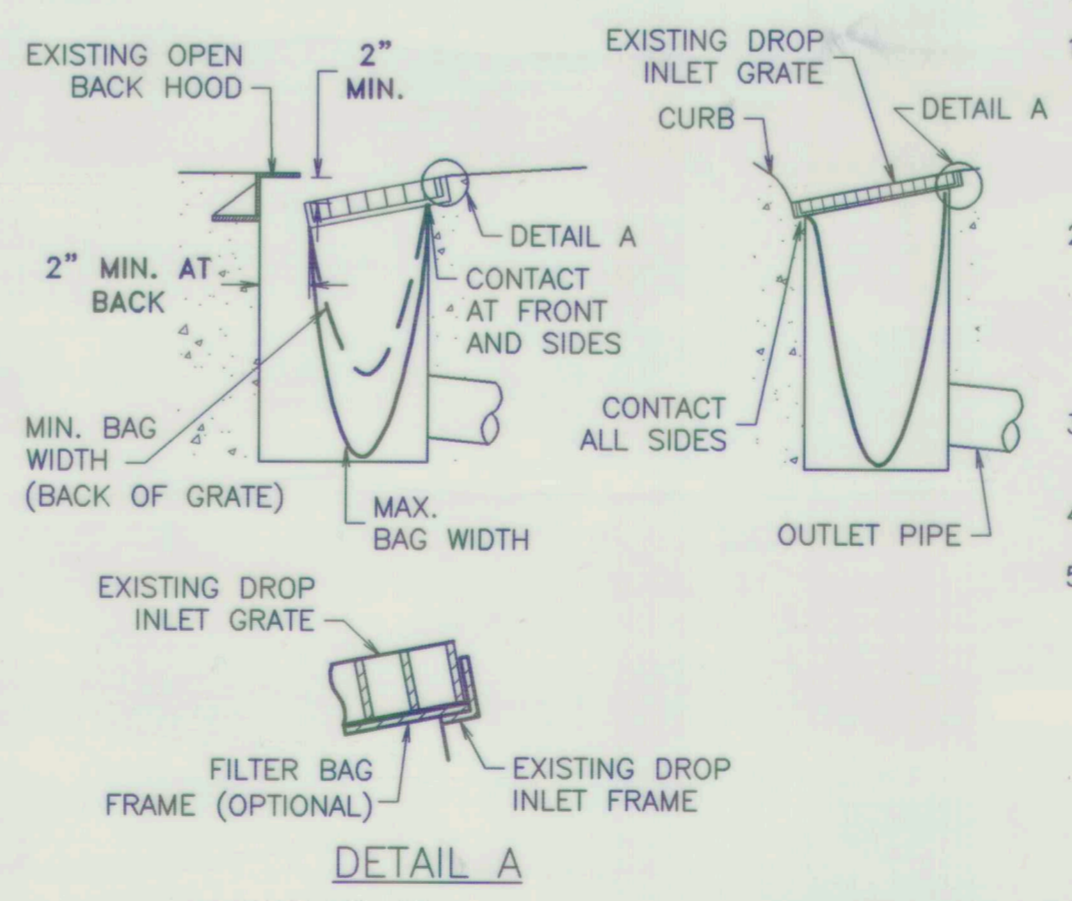


- NOTES:
1. FILTER FABRIC SHALL BE A GEOTEXTILE WOVEN MATERIAL OR APPROVED EQUAL.
  2. FABRIC MATERIAL STRENGTH AND USE OF ADDITIONAL LAYERS SHALL SUIT THE LEVEL OF RUNOFF AND ENTRAINED SEDIMENT NEEDED TO PROTECT THE INLET.
  3. FABRIC SHALL EXTEND A MINIMUM OF 6-INCHES BEYOND EDGE OF GRATE.
  4. AT HOODED CURB INLETS, FABRIC SHALL EXTEND ABOVE THE TOP OF CURB, USE GRAVEL BAGS AS NECESSARY TO HOLD THE FABRIC AND TO BERM AGAINST BYPASS.
  5. FILTERS SHALL BE INSPECTED WEEKLY AND REPLACED WITH CLEAN FABRIC WHENEVER SEDIMENT AND DEBRIS IS VISIBLE.



- NOTES:
1. SEDIMENT TRAPPED UPSTREAM OF SEDIMENT CONTROL BMP SHALL BE REMOVED WEEKLY AND PRIOR TO ANTICIPATED RAINFALL EVENTS.
  2. PLACE BMP'S TIGHTLY TOGETHER AT JOINTS TO PREVENT OR MINIMIZE SEEPAGE AT JOINTS.

GRAVEL BAG INLET SEDIMENT CONTROL

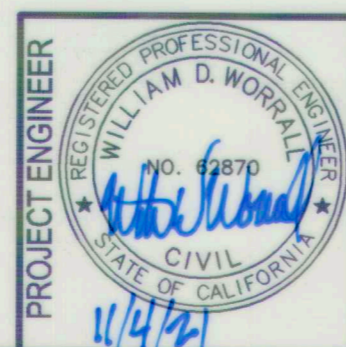


- NOTES:
1. THE FILTER BAG SHALL BE MANUFACTURED FROM UV RESISTANT POLYPROPYLENE NYLON, POLYESTER, OR ETHYLENE FABRIC WITH A MINIMUM TENSILE STRENGTH OF 50 LBS PER LINEAR FOOT. AN EQUIVALENT OPENING SIZE NOT GREATER THAN A 20 SIEVE AND WITH A MINIMUM FLOW RATE OF 40 GALLONS/MINUTE/SQ. FT.
  2. THE FILTER BAG MAY BE SUSPENDED FROM OR HELD IN PLACE BY THE EXISTING INLET GRATE (OR OTHER APPROVED METHOD) PROVIDING NO MODIFICATION OR DAMAGE SHALL BE DONE TO THE INLET GRATE OR FRAME. THE INLET GRATE SHALL NOT BE CAUSED TO REST MORE THAN 0.5" ABOVE THE INLET FRAME (SEE DETAIL A).
  3. THE FILTER BAG MAY EXTEND TO THE BOTTOM OF THE INLET BOX PROVIDED THE OUTLET PIPE IS UNOBSTRUCTED.
  4. FLOWS SHALL NOT BE ALLOWED TO BYPASS PROTECTION MEASURES.
  5. INLET FILTER BAGS SHALL BE INSPECTED WEEKLY AND AFTER EACH RAINFALL DURING THE WET SEASON AND MONTHLY DURING THE DRY SEASON. SEDIMENT AND DEBRIS SHALL BE REMOVED BEFORE ACCUMULATIONS HAVE REACHED ONE THIRD THE DEPTH OF THE BAG. BAGS SHALL BE REPAIRED OR REPLACED AS SOON AS DAMAGE OCCURS.

INLET FILTER BAG

1. ALL INLET BMP PROTECTION MEASURES SHALL INCLUDE AT A MINIMUM FILTER FABRIC UNDER GRATES AND LIDS. GRAVEL BAG BERMS AND INLET PERIMETERS SHALL BE ADDED WHEN FABRIC HAS POTENTIAL FOR BEING OVERLOADED. FILTER BAGS SHALL BE ADDED WHEN AN INLET IS AT RISK TO FILTERING OF HEAVY SEDIMENT LADEN RUNOFF, I.E. WET WINTER CONSTRUCTION CONDITIONS.

1 TEMPORARY STORM DRAIN INLET FILTERS  
 N.T.S.



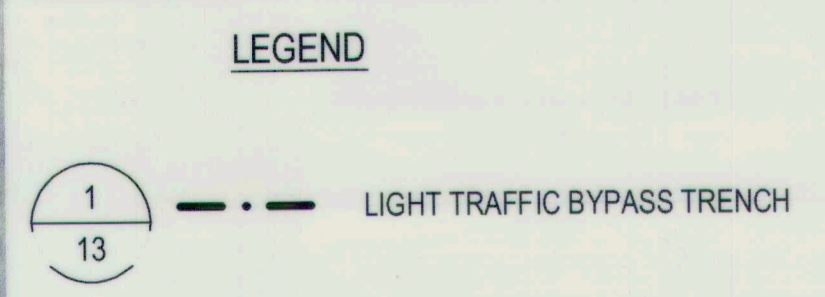
DRAWING SCALE  
 AS SHOWN  
 ORIGINAL DRAWING SCALE  
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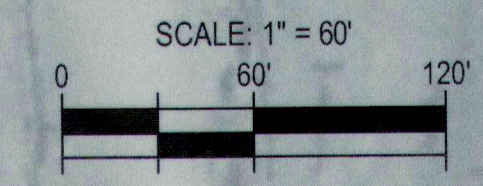
NO.	DESCRIPTION	DATE	APPR.

<b>SIERRA NEVADA STREET SANITARY SEWER LINE REHABILITATION</b>			
<b>EROSION CONTROL DETAILS</b>			
DEPARTMENT OF PUBLIC WORKS CITY OF STOCKTON, CALIFORNIA			
SCALE: AS SHOWN	APPROVED BY: <i>[Signature]</i>	DATE: <i>[Signature]</i>	SHEET NO. 10
DESIGNED BY: BDW	DRAWN BY: PX		OF 17 SHTS
CHECKED BY: SKS	RECORD DWG:		PROJECT NO. UW18029
CITY ENGINEER STOCKTON, CALIF.			

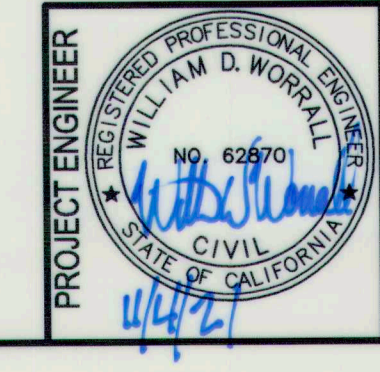
PLUG AND BYPASS PUMPING SUMMARY						
COMPONENT	BYPASS FLOW CAPACITY	APPROX LENGTH	US MH INV	DS MH INV	DS PLUG TO PREVENT BACKWATER	DESCRIPTION
UPSTREAM PLUG	NA	NA	4.48	NA	NA	PLUG TO BLOCK FLOW IN MH-34P109 FROM FLOWING OVER WEIR INTO 36" PIPE.
DOWNSTREAM BYPASS	4.8 MGD	10-15 FT	-2.51	-3.4	YES	ROUTE FLOWS INTO MH-34P088 FROM 24" MORMON SLOUGH SEWER TO DS SIDE OF SSMH.
SCOTT'S AVE REROUTE BYPASS	25 GPM	225 FT	12	15	NO	FOR (N) DROP MH AT STA 8+41 CONSTRUCTION & SCOTT'S AVE REROUTE.



- GENERAL NOTES:**
- CONTRACTOR MAY PROPOSE ALTERNATIVE ROUTE FOR ANY BYPASS.
  - BYPASS TRENCH SHALL BE AGAINST OR AS CLOSE TO CURB OR GUTTER AS POSSIBLE.
  - UTILITIES ARE NOT SHOWN. CONTRACTOR TO PERFORM RECONNAISSANCE AND AVOID CONFLICTS.
  - CONTRACTOR TO SUBMIT BYPASS-SPECIFIC TRAFFIC CONTROL PLANS. LOCATION OF BARRICADES, SIGNAGE, RAMPS & DETOURS, ETC SHALL BE SHOWN ON THE BYPASS PUMPING PLAN.
  - CONTRACTOR TO MAINTAIN/REPAIR BYPASS LINE IMMEDIATELY IF ANY DAMAGE/VANDALISM OCCURS.
  - REPLACE ANY STRIPING DAMAGED DUE TO TRENCHING FOR TEMPORARY BYPASS.
  - TRAFFIC LOOPS DAMAGED BY CONTRACTOR ARE TO BE REPLACED AT CONTRACTOR'S EXPENSE.



FILE: S:\P\2404\_COS\_Sierra\_Nevada\_St\_SS\_Rehab\_0010\_SN\_SS\_Rehab\_08\_Civil\000\_Plans\020\_CAD\Sheets\11\_CB-200.dwg  
PLOT DATE: Oct 07, 2021 - 2:13pm

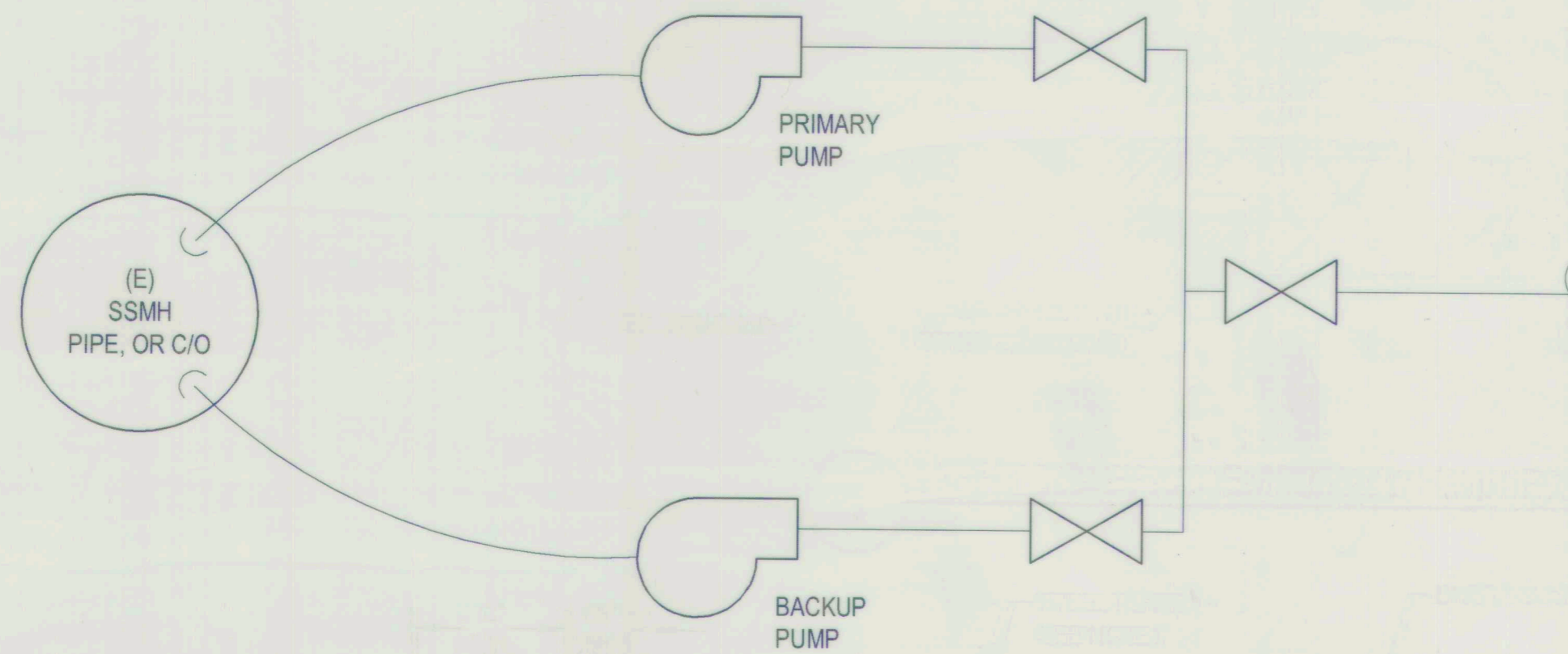


**DRAWING SCALE**  
AS SHOWN  
ORIGINAL DRAWING SCALE  
0 1/2" 1"

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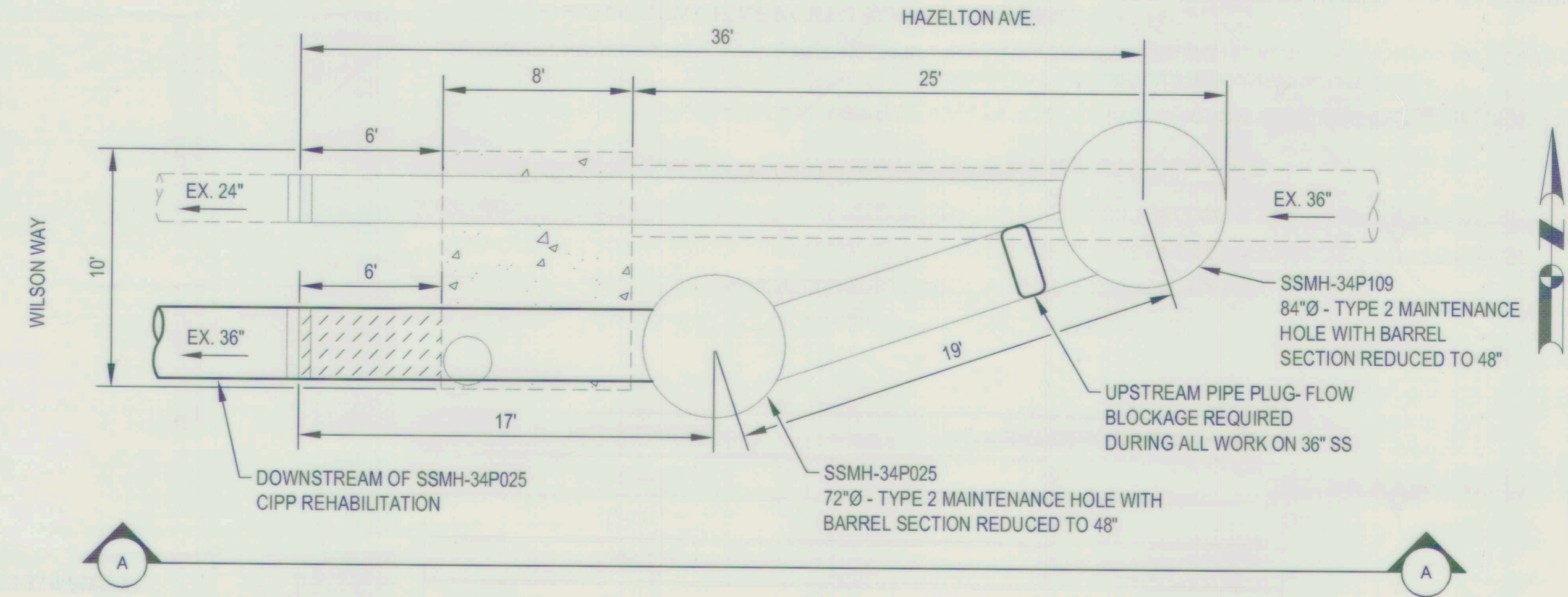
NO.	DESCRIPTION	DATE	APPR.

<b>SIERRA NEVADA STREET SANITARY SEWER LINE REHABILITATION FLOW REROUTING AND BYPASS PUMPING GENERAL PLAN</b>			
DEPARTMENT OF PUBLIC WORKS CITY OF STOCKTON, CALIFORNIA			
DATE: OCT. 2021	HORIZONTAL DATUM: CCS83, ZONE 3	VERTICAL DATUM: NAVD88	KSN PROJECT FILE NO: 2404-0010
SCALE: AS SHOWN	DESIGNED BY: BDW	DRAWN BY: PX	CHECKED BY: SKS
APPROVED BY: [Signature]	DATE: [Signature]	CITY ENGINEER: [Signature]	STOCKTON, CALIF.
SHEET NO. 11	OF 17 SHTS	PROJECT NO. UW18029	RECORD DWG:

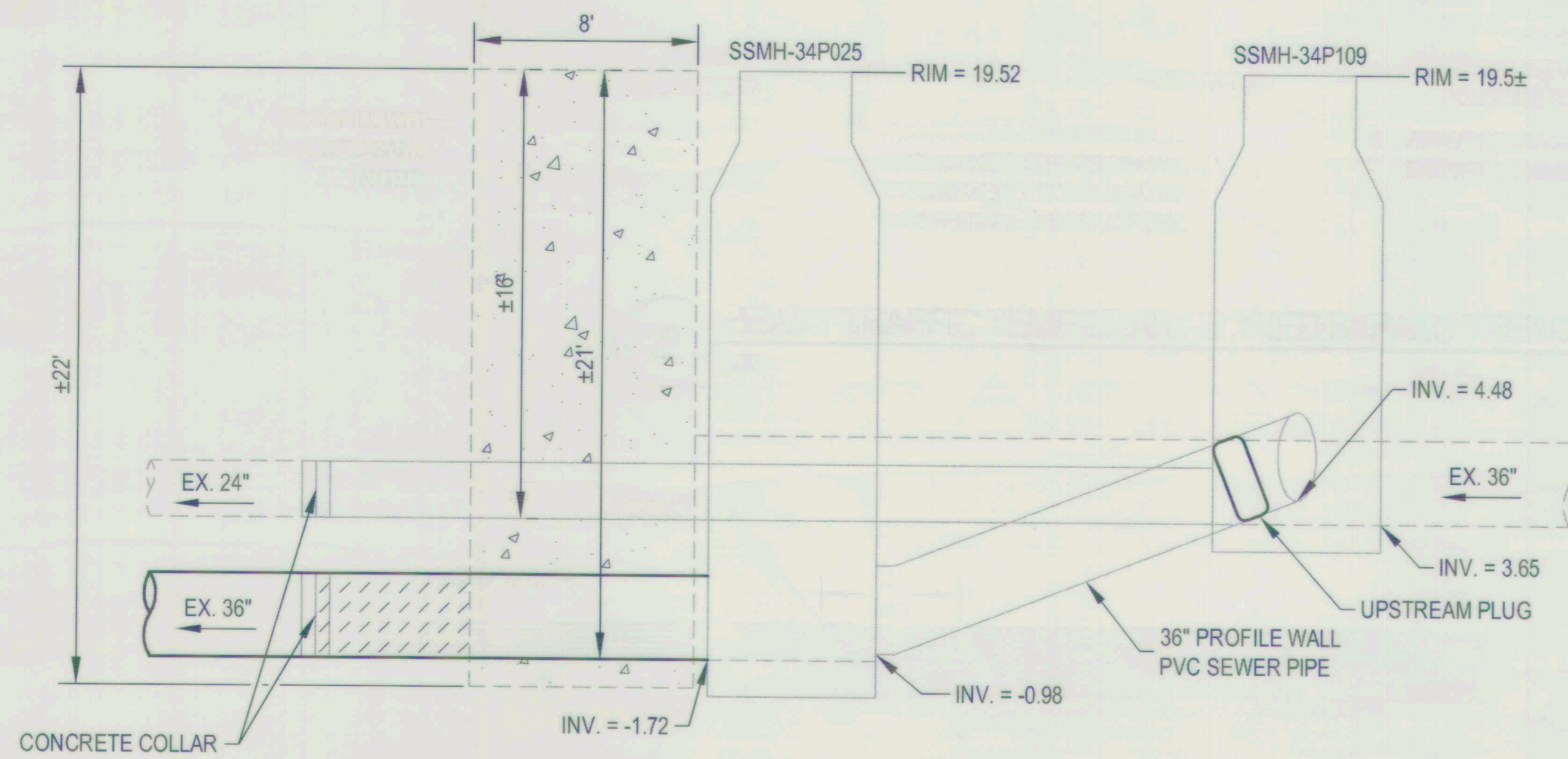


- NOTE:**
1. NUMBER & CAPACITY OF PUMPS AND NUMBER & SIZE OF PIPE(S) TO BE DETERMINED BY CONTRACTOR
  2. AT LEAST TWO PUMPS REQUIRED. EACH LOCATION SHALL HAVE REQUIRED CAPACITY WITH LARGEST PUMP OUT OF SERVICE.
  3. PUMPS MAY BE LOCATED IN MH OR ABOVE GRADE. CONTRACTOR TO PROTECT ALL ABOVE GROUND EQUIPMENT INCLUDING POWER SOURCE WITH FENCING, IF WITHIN ROADWAY K-RAIL WITH FENCING REQUIRED.

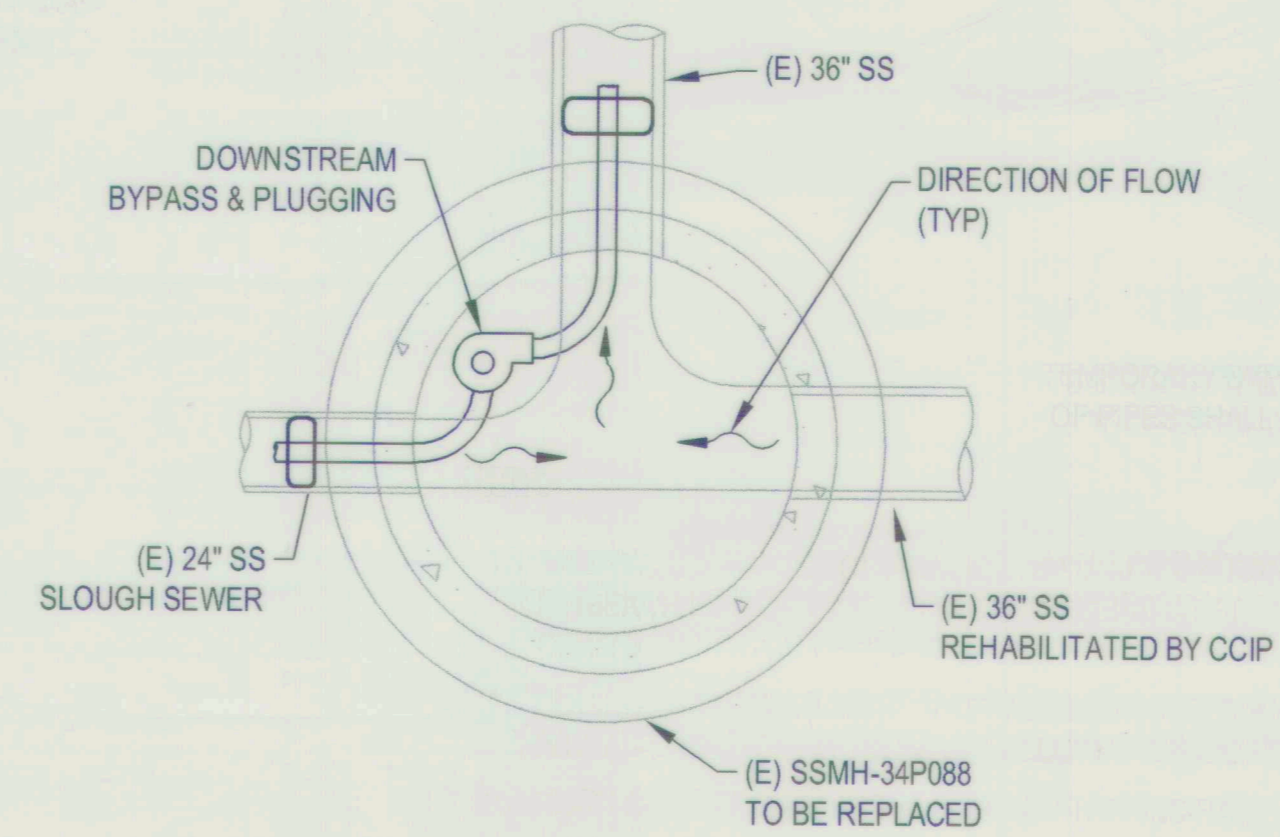
**1** TYPICAL BYPASS / REROUTE HEADER ASSEMBLY  
NTS



**2** UPSTREAM PLUG - PLAN VIEW  
NTS



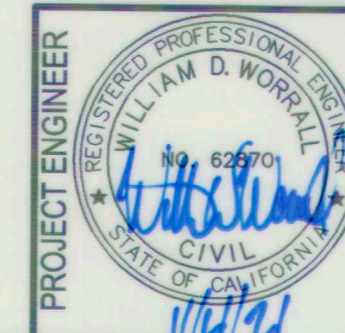
**3** EXISTING SANITARY SEWER - SECTION A-A VIEW  
NTS



- NOTES:**
1. BACKWATER TO 36\"/>
  2. DOWNSTREAM BYPASS MAY OCCUR THROUGH OR AROUND (E), REHABBED, OR (N) SSMH; CONTRACTOR TO DETERMINE METHODS & SEQUENCING REGARDLESS OF SCOPE IMPLEMENTED.
  3. NO SSMH ACCESS UPSTREAM OF SSMH-34P088 ON THE MORMON SLOUGH TRUNK SEWER EXISTS.
  4. THE NEXT MAINTENANCE HOLE DOWNSTREAM OF THE REHABILITATION WORK WITH CAPACITY FOR BYPASS FLOWS IS ON PILGRIM ST, APPROXIMATELY 775' WEST OF SSMH-34P088; CROSSING AIRPORT WAY WOULD REQUIRE HEAVY TRENCH PER DETAIL 2 SHEET 13.

**4** DOWNSTREAM BYPASS - CONCEPTUAL - PLAN VIEW  
NTS

FILE SPEC: P:\2404-COS\_Sierra\_Nevada\_SL\_SS\_Rehab\0010\_SL\_SS\_Rehab\08\_Civil\400\_Plane\020\_CAD\_Sheets\12&13\_CB-500.dwg  
PLOT DATE: Oct 07, 2021 - 2:14pm



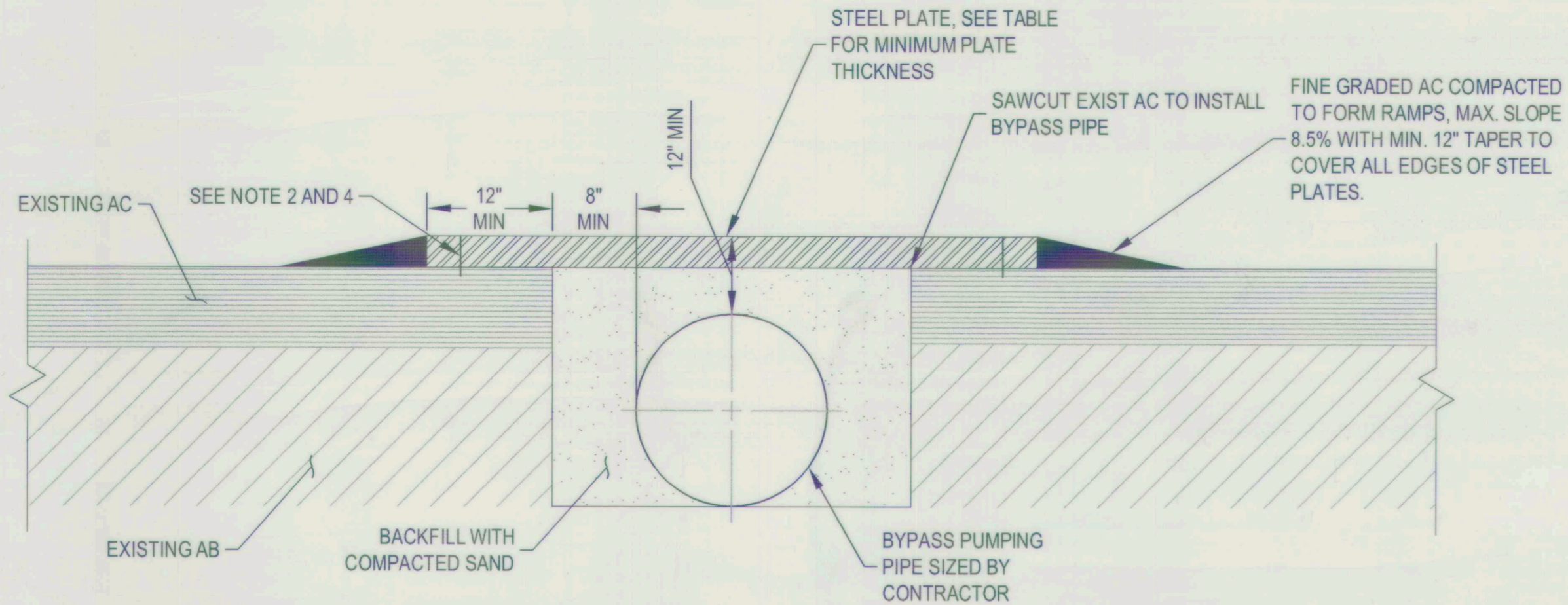
DRAWING SCALE  
AS SHOWN  
ORIGINAL DRAWING SCALE  
0 1/2" 1"

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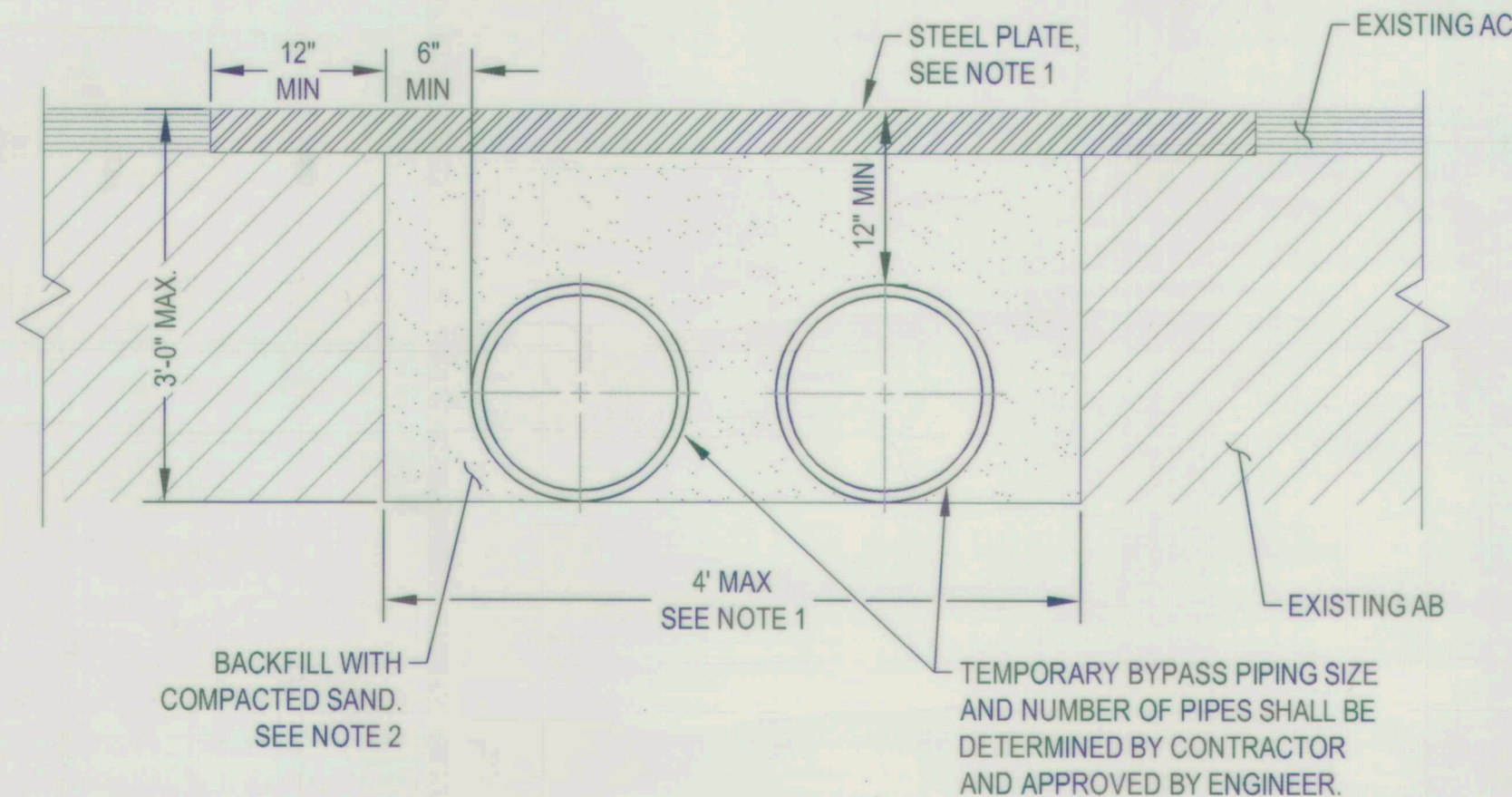
NO.	DESCRIPTION	DATE	APPR.

<b>SIERRA NEVADA STREET SANITARY SEWER LINE REHABILITATION</b>			
<b>FLOW BLOCKAGE, BYPASS, AND REROUTE DETAILS</b>			
DEPARTMENT OF PUBLIC WORKS CITY OF STOCKTON, CALIFORNIA			
SCALE: AS SHOWN	APPROVED BY: <i>[Signature]</i>	DATE: <i>[Signature]</i>	SHEET NO. 12
DESIGNED BY: BDW	CHECKED BY: SKS	CITY ENGINEER STOCKTON, CALIF.	OF 17 SHTS
DRAWN BY: PX	RECORD DWG:	KSN PROJECT FILE NO. 2404-0010	PROJECT NO. UW18029

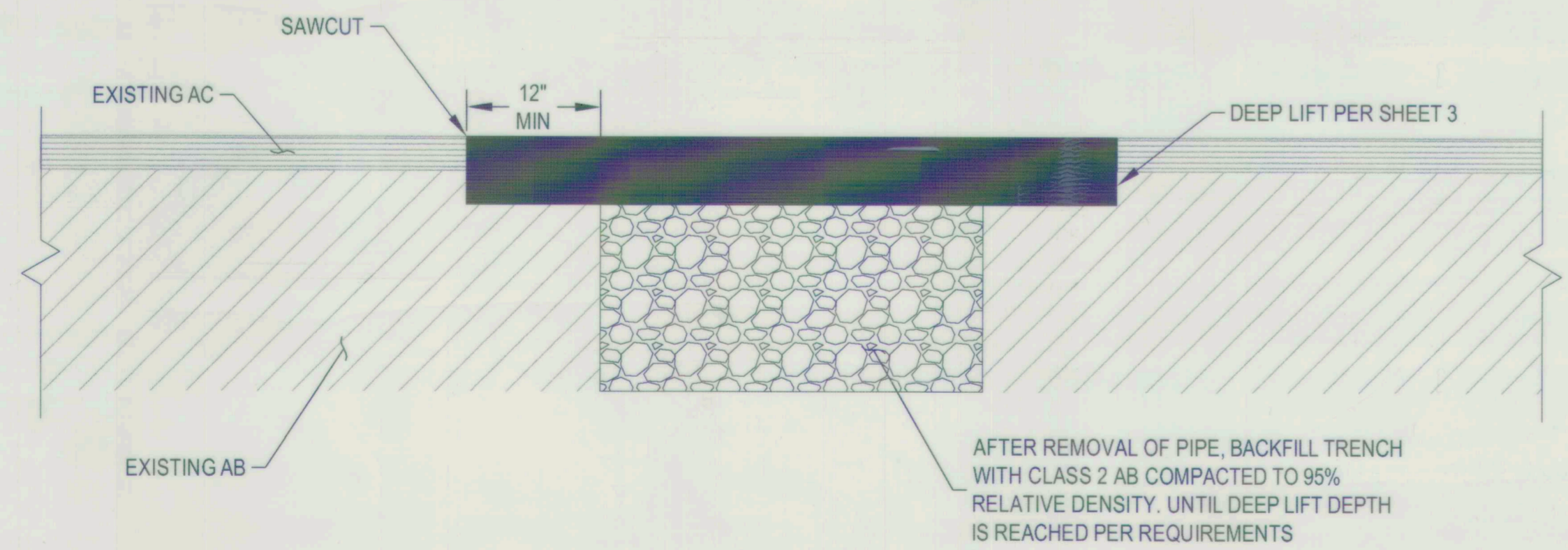
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**1 LIGHT TRAFFIC TEMPORARY BURIED BYPASS TRENCH**  
NTS



**2 HEAVY TRAFFIC TEMPORARY BURIED BYPASS TRENCH**  
NTS



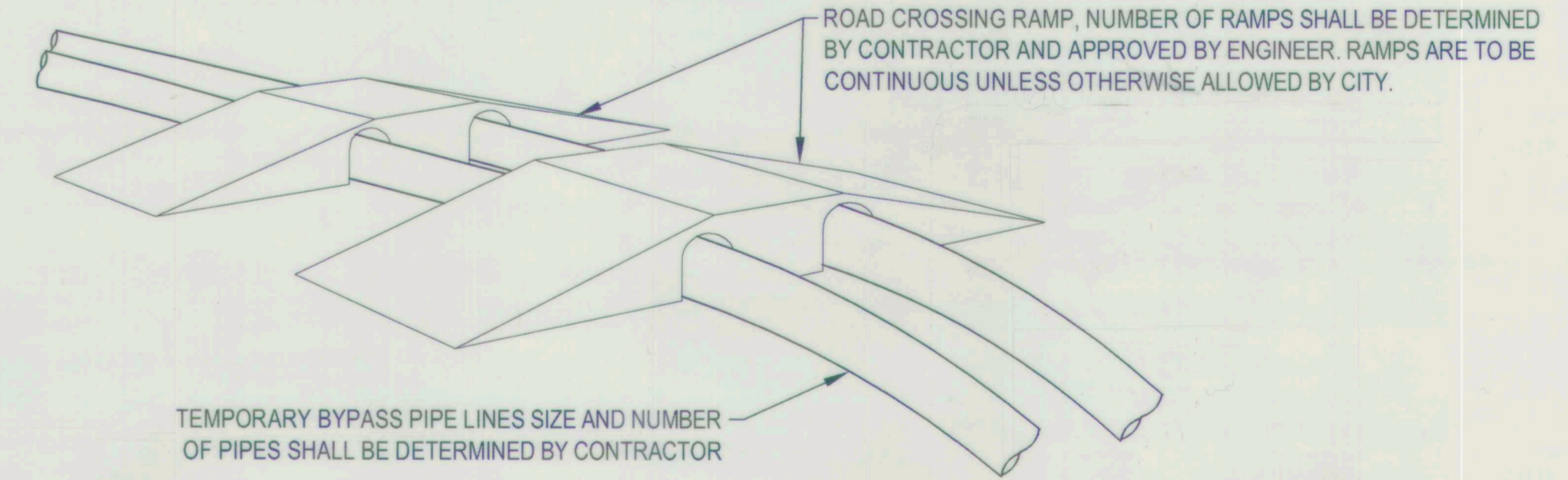
**3 PERMANENT BACKFILL AFTER BYPASS PIPE REMOVAL**  
NTS

**NOTE:**

1. BYPASS PIPING SHALL BE BURIED PER DETAIL AT ALL DRIVEWAY RAMPS, SIDEWALK TRANSITIONS, CROSS WALKS, STREET CROSSING, AND OTHER LOCATIONS TO ALLOW UNOBSTRUCTED CROSSINGS BY PEDESTRIANS AND VEHICLES UNLESS OTHERWISE NOTED.
2. APPROACH PLATE(S) AND ENDING PLATE (IF LONGITUDINAL PLACEMENT) SHALL BE ATTACHED TO THE ROADWAY BY A MINIMUM OF 2 DOWELS PRE-DRILLED INTO THE CORNERS OF THE PLATE AND DRILLED 2" INTO THE PAVEMENT. SUBSEQUENT PLATES ARE BUTTED TO EACH OTHER.
3. STEEL PLATE BRIDGING SHALL BE INSTALLED TO OPERATE WITH MINIMUM NOISE. IF NOISE COMPLAINTS ARE RECEIVED, THE CONTRACTOR SHALL REMOVE AND REPLACE PLATE BRIDGING AT THE ITS OWN EXPENSE.
4. WHEN STEEL PLATES ARE REMOVED, DOWEL HOLES IN THE PAVEMENT SHALL BE BACKFILLED WITH EITHER GRADED FINES OF ASPHALT CONCRETE MIX, CONCRETE SLURRY OR AN EQUIVALENT SLURRY THAT IS SATISFACTORY TO THE CITY'S INSPECTOR.
5. STEEL PLATED USED ON THE TRAVELED WAY SHALL HAVE A SURFACE THAT WAS MANUFACTURED WITH NOMINAL COEFFICIENT OF FRICTION (COF) OF 0.035.
6. ESTIMATED WASTEWATER FLOWS WILL BE ASSUMED TO BE FULL PIPE.
7. CONTRACTOR SHALL PROVIDE BYPASS PUMPING SYSTEM AS SPECIFIED IN CONTRACT DOCUMENTS.
8. FOR WIDTH GREATER THAN 5'-3", A STRUCTURAL DESIGN SHALL BE PREPARED BY A CALIFORNIA REGISTERED CIVIL ENGINEER.
9. TEMPORARY PAVING WITH COLD ASPHALT SHALL BE USED TO FEATHER THE EDGES OF THE PLATES, IF PLATE.
10. A W8-24 (STEEL PLATE AHEAD) SHALL BE USED IN ADVANCE OF STEEL PLATE BRIDGING.

**STEEL PLATE TABLE**

MAX. TRENCH WIDTH	MIN. PLATE THICKNESS
0'-10"	1/2"
1'-11"	3/4"
2'-7"	1"
3'-5"	1"
5'-3"	1-1/4"



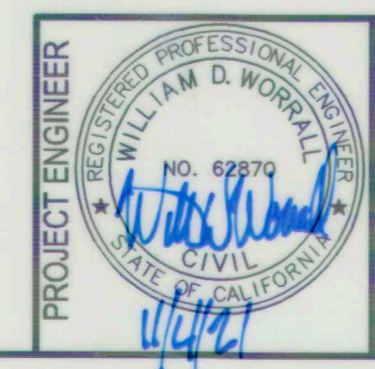
**NOTE:**

1. THESE ARE EXAMPLES OF ROAD CROSSING PIPE RAMPS FOR BYPASS PIPING. ACTUAL RAMPS MAY VARY IN SIZE, STYLE, AND/OR DESIGN. PROVIDE SEPARATE RAMPS FOR EACH LINE OF TRAFFIC. PROVIDE SEPARATE RAMPS FOR PEDESTRIAN TRAFFIC, IF REQUIRED BY CITY. RAMP LAYOUT SHALL BE INCLUDED FOR APPROVAL AS PART OF THE BYPASS PUMPING PLAN
2. CONTRACTOR SHALL SUBMIT DRAWINGS FOR RAMP INSTALLATIONS WITH BYPASS PIPING PLAN TO THE CITY FOR REVIEW AND APPROVAL AS SPECIFIED IN SPECIAL PROVISIONS SECTION 78. RAMPS ALLOWED ON SIDE STREET ONLY WITH APPROVAL BY THE CITY.
3. ROAD CROSSING RAMP SHALL BE H20 TRAFFIC RATED AND SHALL BE RATED FOR POSTED SPEED LIMIT.
4. CONTRACTOR TO INCLUDE BYPASS-SPECIFIC TRAFFIC CONTROL PLANS SHOWING LOCATION OF BARRICADES, SIGNAGE, RAMPS, & DETOURS, ETC.
5. CONTRACTOR SHALL SECURE RAMP TO PREVENT SLIDING AND EXCESS NOISE CREATED FROM VEHICULAR TRAFFIC.
6. RAMP SHALL HAVE PRESSURE RATING SUFFICIENT TO HANDLE BYPASS PUMP PRESSURES.
7. CONTRACTOR SHALL LIMIT THE DISTURBANCE TO PAVEMENT CAUSED BY THE INSTALLATION OF RAMPS. IF DAMAGED, CONTRACTOR SHALL RESTORE PAVEMENT.
8. PEDESTRIAN AND/OR BIKE TRAFFIC SHALL NOT BE IMPEDED AT ANY SIDEWALK OR BIKE PATH LOCATION. RAMPS SHALL BE INSTALLED TO MAINTAIN ACCESS.

**4 ABOVE GROUND BYPASS PIPING RAMP**  
NTS

<b>SIERRA NEVADA STREET SANITARY SEWER LINE REHABILITATION</b>			
<b>TEMPORARY BURIED AND ABOVEGROUND BYPASS DETAILS</b>			
DEPARTMENT OF PUBLIC WORKS CITY OF STOCKTON, CALIFORNIA			
SCALE: AS SHOWN	APPROVED BY: <i>[Signature]</i>	DATE: <i>[Signature]</i>	SHEET NO. 13
DESIGNED BY: BDW	DRAWN BY: PX	CHECKED BY: SKS	PROJECT NO. UW18029
RECORD DWG:	CITY ENGINEER STOCKTON, CALIF.		

FILE SPEC: P:\2404\_C05\_Sierra\_Nevada\_SL\_SS\_Rehab\0010\_SN\_SS\_Rehab\08\_Civil\400\_Plans\020\_CAD\_Sheets\12&13\_CB-500.dwg  
PLOT DATE: Oct 07, 2021 - 2:14pm



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ORIGINAL DRAWING SCALE  
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DATE: OCT. 2021		
HORIZONTAL DATUM CCS83, ZONE 3		
VERTICAL DATUM NAVD88		
KSN PROJECT FILE NO. 2404-0010		
NO.	DESCRIPTION	DATE APPR.

**TRAFFIC STAGING NOTES:**

- ALL SIGNS AND TEMPORARY TRAFFIC CONTROL SHALL CONFORM TO THE CALIFORNIA MUTCD, LATEST EDITION.
- ALL SIGNS SHALL BE RETROREFLECTORIZED AND STANDARD SIZE.
- POST "NO PARKING, TOW-AWAY" SIGNS ON BARRICADES ALONG THE ROADWAY AT LEAST 72 HOURS PRIOR TO THE CONSTRUCTION WORK IN THAT AREA. SHOULD THE CONSTRUCTION WORK NOT OCCUR ON THE SPECIFIED DAY, DISTRIBUTE NEW NOTICES.
- ALL SIGNS, DELINEATORS, BARRICADES, ETC., SHALL BE PROPERLY INSTALLED PRIOR TO COMMENCING CONSTRUCTION.
- ALL ADVANCE WARNING SIGN INSTALLATIONS SHALL BE EQUIPPED WITH STANDARD ORANGE FLAGS. FLAGS SHALL NOT BLOCK THE SIGN FACE.
- ALL CONES SHALL BE 28" MINIMUM HEIGHT AND TUBULAR MARKERS SHALL BE 36" MINIMUM HEIGHT; THEY SHALL BE RETROREFLECTORIZED IN ACCORDANCE WITH THE MUTCD CA SUPPLEMENT.
- ALL CONES IDENTIFYING THE CONSTRUCTION AND CLOSURE AREAS SHALL BE AT MINIMUM 25' INTERVALS.
- KEEP AREAS NEAT AND CLEAR OF EXTRANEEOUS CONSTRUCTION MATERIALS AND INSURE THE SAFETY OF THE BICYCLISTS AND PEDESTRIANS; INSTALL ADDITIONAL BARRIERS, ETC. REQUIRED BY THE MUTCD, AND MUTCD CA SUPPLEMENT.
- MAINTAIN ACCESS FOR LOCAL AND EMERGENCY TRAFFIC TO PARCELS ALONG CONSTRUCTION ROUTE AT ALL TIMES, UNLESS PRIOR ARRANGEMENTS HAVE BEEN MADE WITH THE PARCEL OCCUPANT AND WITH THE APPROVAL OF THE ENGINEER.
- TEMPORARY LANE CLOSURES SHALL MAKE ALL EFFORTS TO REOPEN LANE IMMEDIATELY AFTER CONSTRUCTION OPERATIONS ARE COMPLETE.
- NOTIFY/COORDINATE WITH THE NEIGHBORING RESIDENTS, BUSINESSES, CITY, COUNTY, CALTRANS, POLICE, HIGHWAY PATROL, SHERIFF, FIRE, TRANSIT DISTRICT, SCHOOL DISTRICT AND VARIOUS UTILITY COMPANIES PRIOR TO BEGINNING TRAFFIC CONTROL AND CONSTRUCTION.
- AT ALL TIMES DURING CONSTRUCTION, PROVIDE ANY ADDITIONAL TRAFFIC CONTROL DEVICES REQUIRED TO ASSURE PUBLIC SAFETY.
- AT COMPLETION OF EACH DAY'S WORK, WHERE TRAFFIC MAY USE THE CONSTRUCTION AREA, ANY OPEN TRENCHES SHALL BE COVERED WITH STEEL PLATE, BACKFILLED, OR COMPACTED AND AC PAVED FOR NORMAL TRAFFIC THROUGH THE NON WORKING HOURS.

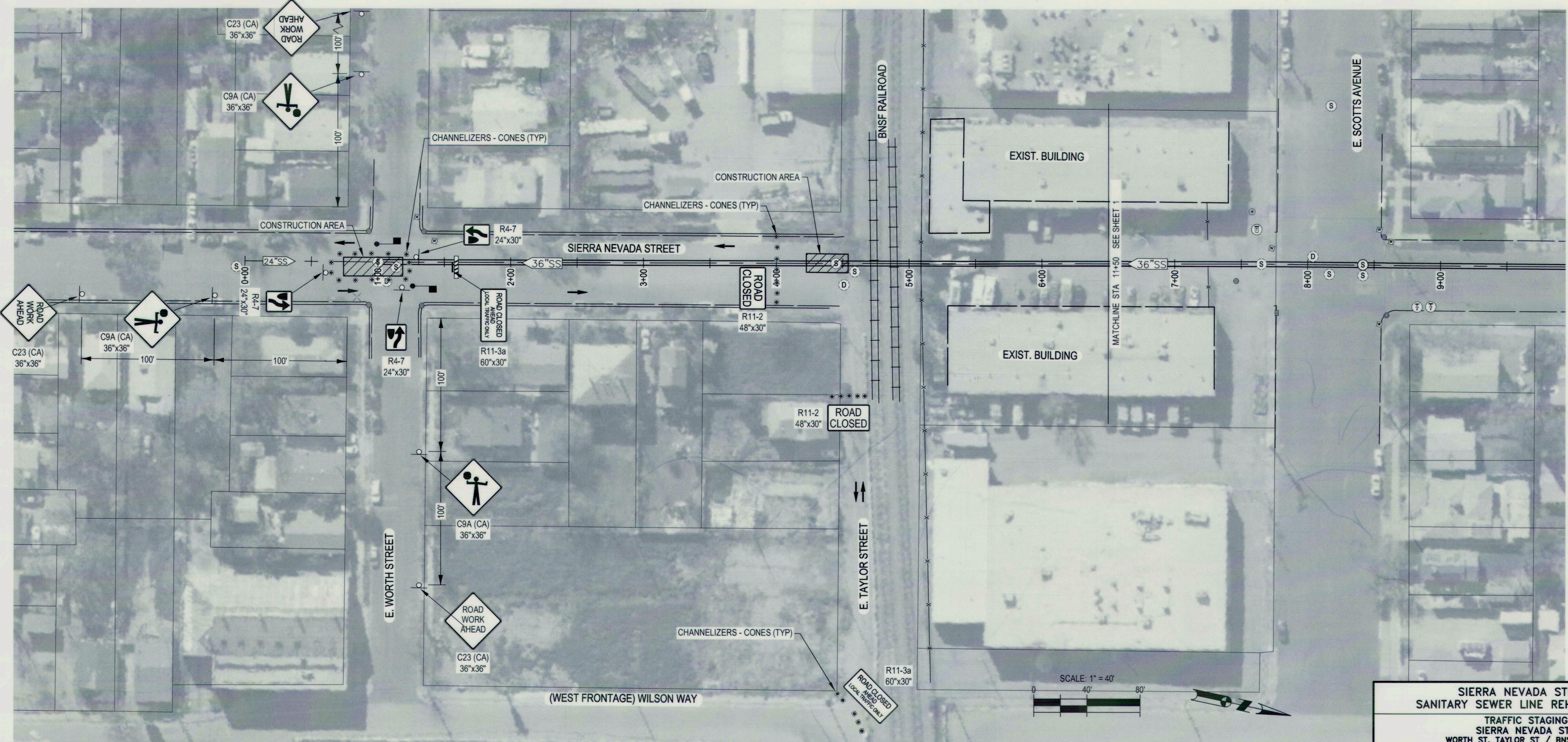
- SIGNS MUST BE COVERED AT THE END OF EACH WORKING DAY IF TRAFFIC CONTROL IS REMOVED.
- CONTRACTOR SHALL SUBMIT TRAFFIC CONTROL PLAN FOR CITY APPROVAL AS PART OF SUBMITTAL PROCESS. THIS TRAFFIC STAGING PLAN IS ONLY A GUIDE.

**LEGEND**

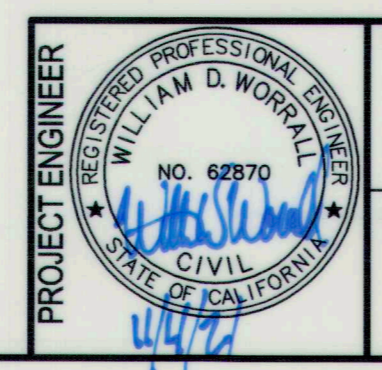
- PORTABLE SIGN
  - CONSTRUCTION AREA
  - TRAFFIC CONE W/ REFLECTIVE BAND 28" MIN. HEIGHT (CALIFORNIA MUTCD, 2014 SECTION 6F.64 - CONES)
  - DIRECTION OF TRAVEL WAYS
  - FLAGGER / FLAGGER STATION w/ STOP/SLOW (R1-1/W20-8) PADDLE
  - TYPE III BARRICADE
  - TYPE III BARRICADE & SIGN
  - K-RAIL CONCRETE BARRIER
  - CMS - CHANGING MESSAGE SIGN
  - ARROW BOARD (PLAN)
  - ARROW BOARD (ELEVATION)
- GENERAL NOTES:**
- ALL SIGNS & TRAFFIC CONTROL PER CALIFORNIA MUTCD 2014 EDITION.
- SIGN DESIGNATIONS:**
- W20-1 - TRAFFIC CONTROL SIGN CODE 36"x36" - MINIMUM SIGN SIZE

SIERRA NEVADA ST. / E. WORTH ST.	
POSTED SPEED LIMIT (S): 25 MPH	TAPER LENGTH L = 125 FT.
TRAVEL LANE WIDTH (W): 12 FT.	
ROAD TYPE: Urban; 25 mph or less	DISTANCE BETWEEN SIGNS A, B, C = 100 FT.

REF: MUTCD CHAPTER 6C-T.C.E., PART 6-T.T.C, TABLES 6C-1 & 6C-4 (2014)



FILE SPEC: P:\2404\_COS\_Sierra\_Nevada\_St\_SS\_Rehab\0010\_SN\_SS-Rehab\08\_CAD\400\_Plans\020\_CAD\Sheets\14 to 17\_CT-200.dwg  
 PLOT DATE: Oct 07, 2021 - 2:14pm



**DRAWING SCALE**  
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NO.	DESCRIPTION	DATE	APPR.

DATE: OCT. 2021  
 HORIZONTAL DATUM: CCS83, ZONE 3  
 VERTICAL DATUM: NAVD88  
 KSN PROJECT FILE NO: 2404-0010

<b>SIERRA NEVADA STREET SANITARY SEWER LINE REHABILITATION</b>			
<b>TRAFFIC STAGING SIERRA NEVADA ST WORTH ST, TAYLOR ST / BNSF AREAS</b>			
DEPARTMENT OF PUBLIC WORKS CITY OF STOCKTON, CALIFORNIA			
SCALE: AS SHOWN	DESIGNED BY: BDW	DRAWN BY: PX	CHECKED BY: SKS
APPROVED BY: <i>[Signature]</i>	DATE: <i>[Date]</i>	CITY ENGINEER STOCKTON, CALIF.	PROJECT NO. UW18029
SHEET NO. 14		OF 17 SHTS	

**TRAFFIC STAGING NOTES:**

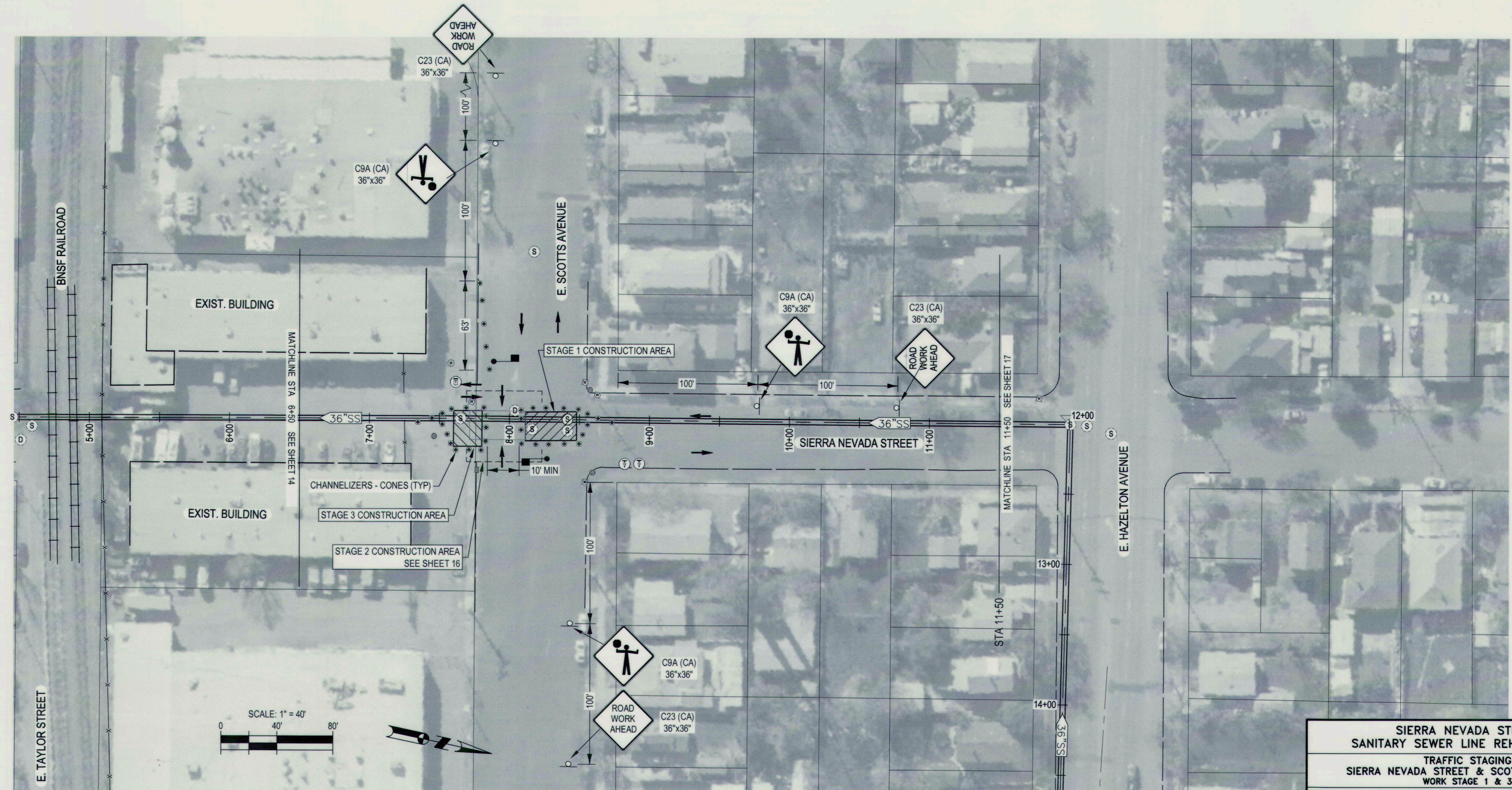
- ALL SIGNS AND TEMPORARY TRAFFIC CONTROL SHALL CONFORM TO THE CALIFORNIA MUTCD, LATEST EDITION.
- ALL SIGNS SHALL BE RETROREFLECTORIZED AND STANDARD SIZE.
- POST "NO PARKING, TOW-AWAY" SIGNS ON BARRICADES ALONG THE ROADWAY AT LEAST 72 HOURS PRIOR TO THE CONSTRUCTION WORK IN THAT AREA. SHOULD THE CONSTRUCTION WORK NOT OCCUR ON THE SPECIFIED DAY, DISTRIBUTE NEW NOTICES.
- ALL SIGNS, DELINEATORS, BARRICADES, ETC., SHALL BE PROPERLY INSTALLED PRIOR TO COMMENCING CONSTRUCTION.
- ALL ADVANCE WARNING SIGN INSTALLATIONS SHALL BE EQUIPPED WITH STANDARD ORANGE FLAGS. FLAGS SHALL NOT BLOCK THE SIGN FACE.
- ALL CONES SHALL BE 28" MINIMUM HEIGHT AND TUBULAR MARKERS SHALL BE 36" MINIMUM HEIGHT; THEY SHALL BE RETROREFLECTORIZED IN ACCORDANCE WITH THE MUTCD CA SUPPLEMENT.
- ALL CONES IDENTIFYING THE CONSTRUCTION AND CLOSURE AREAS SHALL BE AT MINIMUM 25' INTERVALS.
- KEEP AREAS NEAT AND CLEAR OF EXTRANEOUS CONSTRUCTION MATERIALS AND INSURE THE SAFETY OF THE BICYCLISTS AND PEDESTRIANS; INSTALL ADDITIONAL BARRIERS, ETC. REQUIRED BY THE MUTCD, AND MUTCD CA SUPPLEMENT.
- MAINTAIN ACCESS FOR LOCAL AND EMERGENCY TRAFFIC TO PARCELS ALONG CONSTRUCTION ROUTE AT ALL TIMES, UNLESS PRIOR ARRANGEMENTS HAVE BEEN MADE WITH THE PARCEL OCCUPANT AND WITH THE APPROVAL OF THE ENGINEER.
- TEMPORARY LANE CLOSURES SHALL MAKE ALL EFFORTS TO REOPEN LANE IMMEDIATELY AFTER CONSTRUCTION OPERATIONS ARE COMPLETE.
- NOTIFY/COORDINATE WITH THE NEIGHBORING RESIDENTS, BUSINESSES, CITY, COUNTY, CALTRANS, POLICE, HIGHWAY PATROL, SHERIFF, FIRE, TRANSIT DISTRICT, SCHOOL DISTRICT AND VARIOUS UTILITY COMPANIES PRIOR TO BEGINNING TRAFFIC CONTROL AND CONSTRUCTION.
- AT ALL TIMES DURING CONSTRUCTION, PROVIDE ANY ADDITIONAL TRAFFIC CONTROL DEVICES REQUIRED TO ASSURE PUBLIC SAFETY.
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**LEGEND**

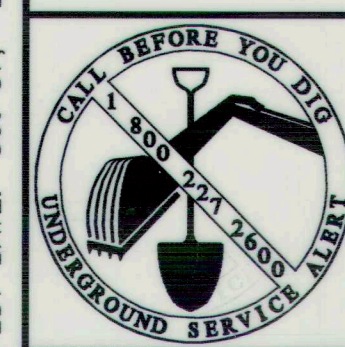
- PORTABLE SIGN
  - CONSTRUCTION AREA
  - TRAFFIC CONE W/ REFLECTIVE BAND 28" MIN. HEIGHT (CALIFORNIA MUTCD, 2014 SECTION 6F.64 - CONES)
  - DIRECTION OF TRAVEL WAYS
  - FLAGGER / FLAGGER STATION w/ STOP/SLOW (R1-1/W20-8) PADDLE
  - TYPE III BARRICADE
  - TYPE III BARRICADE & SIGN
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  - ARROW BOARD (PLAN)
  - ARROW BOARD (ELEVATION)
- GENERAL NOTES:**
- ALL SIGNS & TRAFFIC CONTROL PER CALIFORNIA MUTCD 2014 EDITION.
- SIGN DESIGNATIONS:**
- W20-1 - TRAFFIC CONTROL SIGN CODE  
36"x36" - MINIMUM SIGN SIZE

SIERRA NEVADA ST. / E. SCOTT ST.	
POSTED SPEED LIMIT (S): 25 MPH	TAPER LENGTH
TRAVEL LANE WIDTH (W): 12 FT.	L = 125 FT.
ROAD TYPE: Urban; 25 mph or less	DISTANCE BETWEEN SIGNS A, B, C = 100 FT.

REF: MUTCD CHAPTER 6C-T.C.E., PART 6-T.T.C, TABLES 6C-1 & 6C-4 (2014)



FILE SPEC: P:\2404\_COS\_Sierra\_Nevada\_St\_SS\_Rehab\0010\_SN\_SS\_Rehab\08\_Civil\400\_Plans\020\_CAD\_Sheets\14 to 17\_CT-200.dwg  
PLOT DATE: Oct 07, 2021 - 2:14pm



DRAWING SCALE  
AS SHOWN  
ORIGINAL DRAWING SCALE  
0 1/2 1"

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916-403-5900

NO.	DESCRIPTION	DATE	APPR.

SIERRA NEVADA STREET SANITARY SEWER LINE REHABILITATION			
TRAFFIC STAGING SIERRA NEVADA STREET & SCOTT ST. AREAS WORK STAGE 1 & 3			
DEPARTMENT OF PUBLIC WORKS CITY OF STOCKTON, CALIFORNIA			
SCALE: AS SHOWN	DESIGNED BY: BDW	DRAWN BY: PX	CHECKED BY: SKS
APPROVED BY: [Signature]	DATE: 10/5/21	CITY ENGINEER STOCKTON, CALIF.	PROJECT NO. UW18029
DATE: OCT. 2021		SHEET NO. 15	
HORIZONTAL DATUM: CCS83, ZONE 3		OF 17 SHTS	
VERTICAL DATUM: NAVD88		PROJECT NO.	
KSN PROJECT FILE NO: 2404-0010		RECORD DWG:	

**TRAFFIC STAGING NOTES:**

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- TEMPORARY LANE CLOSURES SHALL MAKE ALL EFFORTS TO REOPEN LANE IMMEDIATELY AFTER CONSTRUCTION OPERATIONS ARE COMPLETE.
- NOTIFY/COORDINATE WITH THE NEIGHBORING RESIDENTS, BUSINESSES, CITY, COUNTY, CALTRANS, POLICE, HIGHWAY PATROL, SHERIFF, FIRE, TRANSIT DISTRICT, SCHOOL DISTRICT AND VARIOUS UTILITY COMPANIES PRIOR TO BEGINNING TRAFFIC CONTROL AND CONSTRUCTION.
- AT ALL TIMES DURING CONSTRUCTION, PROVIDE ANY ADDITIONAL TRAFFIC CONTROL DEVICES REQUIRED TO ASSURE PUBLIC SAFETY.
- AT COMPLETION OF EACH DAY'S WORK, WHERE TRAFFIC MAY USE THE CONSTRUCTION AREA, ANY OPEN TRENCHES SHALL BE COVERED WITH STEEL PLATE, BACKFILLED, OR COMPACTED AND AC PAVED FOR NORMAL TRAFFIC THROUGH THE NON WORKING HOURS.

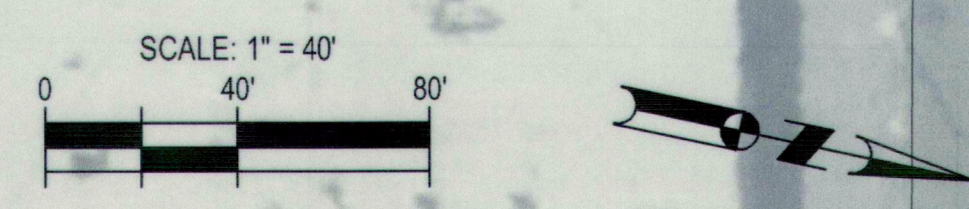
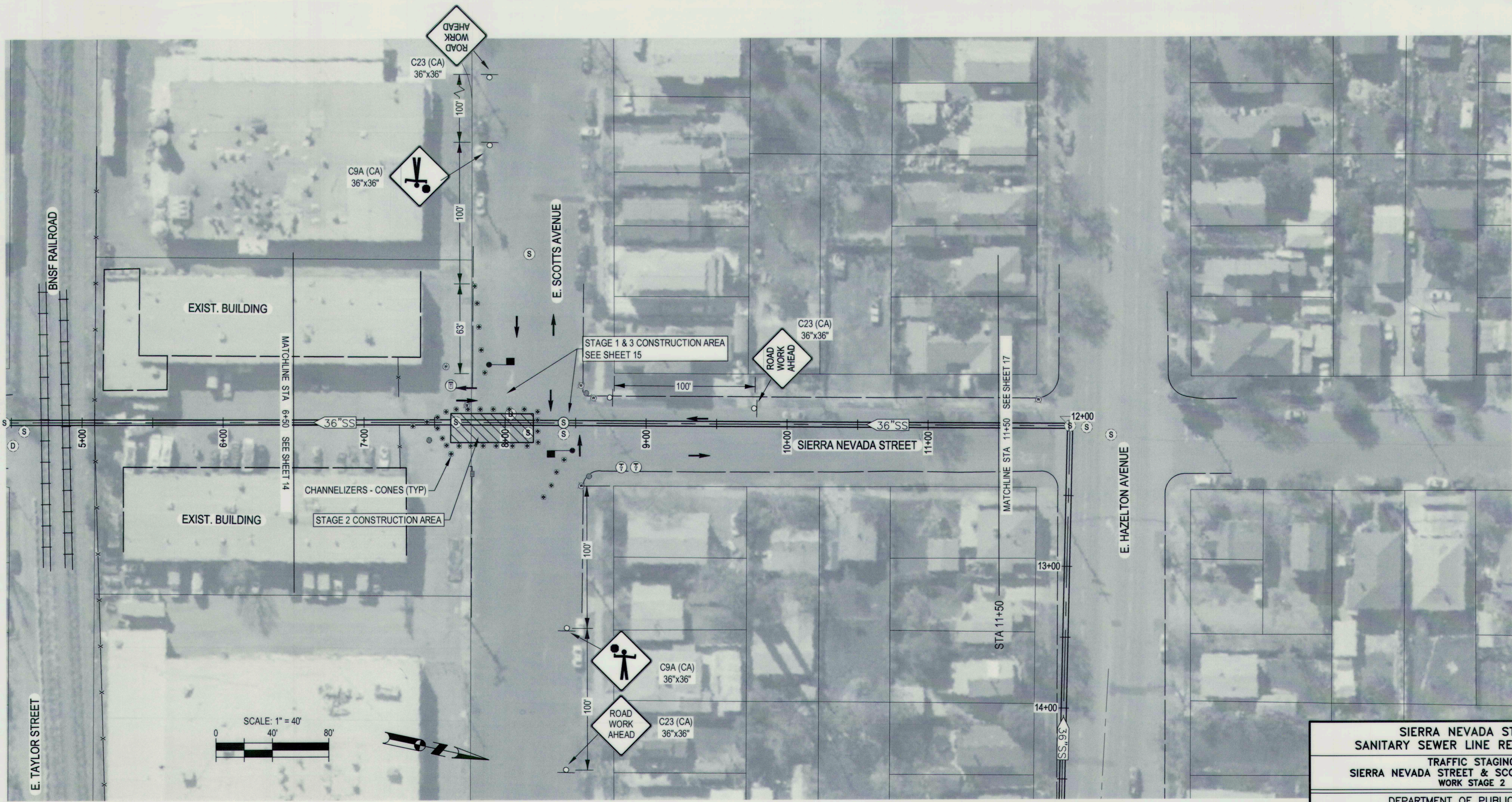
- SIGNS MUST BE COVERED AT THE END OF EACH WORKING DAY IF TRAFFIC CONTROL IS REMOVED.
- CONTRACTOR SHALL SUBMIT TRAFFIC CONTROL PLAN FOR CITY APPROVAL AS PART OF SUBMITTAL PROCESS. THIS TRAFFIC STAGING PLAN IS ONLY A GUIDE.

SIERRA NEVADA ST. / E. SCOTT ST.			
POSTED SPEED LIMIT (S):	25 MPH	TAPER LENGTH	L = 125 FT.
TRAVEL LANE WIDTH (W):	12 FT.		
ROAD TYPE:	DISTANCE BETWEEN SIGNS		
Urban; 25 mph or less	A, B, C =	100 FT.	

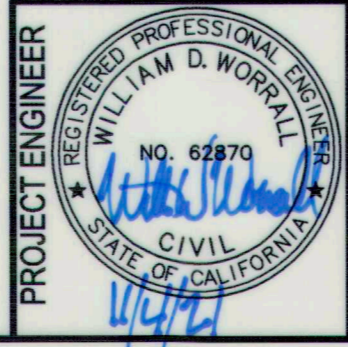
REF: MUTCD CHAPTER 6C-T.T.C.E., PART 6-T.T.C., TABLES 6C-1 & 6C-4 (2014)

**LEGEND**

- PORTABLE SIGN
  - CONSTRUCTION AREA
  - TRAFFIC CONE W/ REFLECTIVE BAND 28" MIN. HEIGHT (CALIFORNIA MUTCD, 2014 SECTION 6F.64 - CONES)
  - DIRECTION OF TRAVEL WAYS
  - FLAGGER / FLAGGER STATION w/ STOP/SLOW (R1-1/W20-8) PADDLE
  - TYPE III BARRICADE
  - TYPE III BARRICADE & SIGN
  - K-RAIL CONCRETE BARRIER
  - CMS - CHANGING MESSAGE SIGN
  - ARROW BOARD (PLAN)
  - ARROW BOARD (ELEVATION)
- GENERAL NOTES:**
- ALL SIGNS & TRAFFIC CONTROL PER CALIFORNIA MUTCD 2014 EDITION.
- SIGN DESIGNATIONS:**
- W20-1 - TRAFFIC CONTROL SIGN CODE 36"x36" - MINIMUM SIGN SIZE



FILE SPEC: P:\2404\_COS\_Sierra\_Nevada\_SL\_SS\_Rehab\0010\_SL\_SS\_Rehab\08\_Civil\400\_Plane\020\_CAD\Sheets\14 to 17\_CT-200.dwg  
PLOT DATE: Oct 07, 2021 - 2:14pm



DRAWING SCALE  
AS SHOWN  
ORIGINAL DRAWING SCALE  
0 1/2" 1"

**KJELSDEN SINNOCK NEUDECK inc.**  
CIVIL ENGINEERS & LAND SURVEYORS  
www.ksninc.com  
711 N. Pershing Avenue  
Stockton, CA 95203  
209-946-0268  
1550 Harbor Blvd., Suite 212  
West Sacramento, CA 95691  
916-403-5900

NO.	DESCRIPTION	DATE	APPR.

DATE: OCT. 2021  
HORIZONTAL DATUM: CCS83, ZONE 3  
VERTICAL DATUM: NAVD88  
KSN PROJECT FILE NO.: 2404-0010

**SIERRA NEVADA STREET  
SANITARY SEWER LINE REHABILITATION  
TRAFFIC STAGING  
SIERRA NEVADA STREET & SCOTTS ST. AREAS  
WORK STAGE 2**

DEPARTMENT OF PUBLIC WORKS CITY OF STOCKTON, CALIFORNIA			
SCALE: AS SHOWN	APPROVED BY: DATE: <i>[Signature]</i> 10/15/21	SHEET NO. 16	
DESIGNED BY: BDW	DRAWN BY: PX	OF 17 SHTS	
CHECKED BY: SKS	CITY ENGINEER: <i>[Signature]</i>	PROJECT NO. UW18029	
RECORD DWG:	STOCKTON, CALIF.		



**TRAFFIC STAGING NOTES:**

- ALL SIGNS AND TEMPORARY TRAFFIC CONTROL SHALL CONFORM TO THE CALIFORNIA MUTCD, LATEST EDITION.
- ALL SIGNS SHALL BE RETROREFLECTORIZED AND STANDARD SIZE.
- POST "NO PARKING, TOW-AWAY" SIGNS ON BARRICADES ALONG THE ROADWAY AT LEAST 72 HOURS PRIOR TO THE CONSTRUCTION WORK IN THAT AREA. SHOULD THE CONSTRUCTION WORK NOT OCCUR ON THE SPECIFIED DAY, DISTRIBUTE NEW NOTICES.
- ALL SIGNS, DELINEATORS, BARRICADES, ETC., SHALL BE PROPERLY INSTALLED PRIOR TO COMMENCING CONSTRUCTION.
- ALL ADVANCE WARNING SIGN INSTALLATIONS SHALL BE EQUIPPED WITH STANDARD ORANGE FLAGS. FLAGS SHALL NOT BLOCK THE SIGN FACE.
- ALL CONES SHALL BE 28" MINIMUM HEIGHT AND TUBULAR MARKERS SHALL BE 36" MINIMUM HEIGHT; THEY SHALL BE RETROREFLECTORIZED IN ACCORDANCE WITH THE MUTCD CA SUPPLEMENT.
- ALL CONES IDENTIFYING THE CONSTRUCTION AND CLOSURE AREAS SHALL BE AT MINIMUM 25' INTERVALS.
- KEEP AREAS NEAT AND CLEAR OF EXTRANEOUS CONSTRUCTION MATERIALS AND INSURE THE SAFETY OF THE BICYCLISTS AND PEDESTRIANS; INSTALL ADDITIONAL BARRIERS, ETC. REQUIRED BY THE MUTCD, AND MUTCD CA SUPPLEMENT.
- MAINTAIN ACCESS FOR LOCAL AND EMERGENCY TRAFFIC TO PARCELS ALONG CONSTRUCTION ROUTE AT ALL TIMES, UNLESS PRIOR ARRANGEMENTS HAVE BEEN MADE WITH THE PARCEL OCCUPANT AND WITH THE APPROVAL OF THE ENGINEER.
- TEMPORARY LANE CLOSURES SHALL MAKE ALL EFFORTS TO REOPEN LANE IMMEDIATELY AFTER CONSTRUCTION OPERATIONS ARE COMPLETE.
- NOTIFY/COORDINATE WITH THE NEIGHBORING RESIDENTS, BUSINESSES, CITY, COUNTY, CALTRANS, POLICE, HIGHWAY PATROL, SHERIFF, FIRE, TRANSIT DISTRICT, SCHOOL DISTRICT AND VARIOUS UTILITY COMPANIES PRIOR TO BEGINNING TRAFFIC CONTROL AND CONSTRUCTION.
- AT ALL TIMES DURING CONSTRUCTION, PROVIDE ANY ADDITIONAL TRAFFIC CONTROL DEVICES REQUIRED TO ASSURE PUBLIC SAFETY.
- AT COMPLETION OF EACH DAY'S WORK, WHERE TRAFFIC MAY USE THE CONSTRUCTION AREA, ANY OPEN TRENCHES SHALL BE COVERED WITH STEEL PLATE, BACKFILLED, OR COMPACTED AND AC PAVED FOR NORMAL TRAFFIC THROUGH THE NON WORKING HOURS.
- SIGNS MUST BE COVERED AT THE END OF EACH WORKING DAY IF TRAFFIC CONTROL IS REMOVED.
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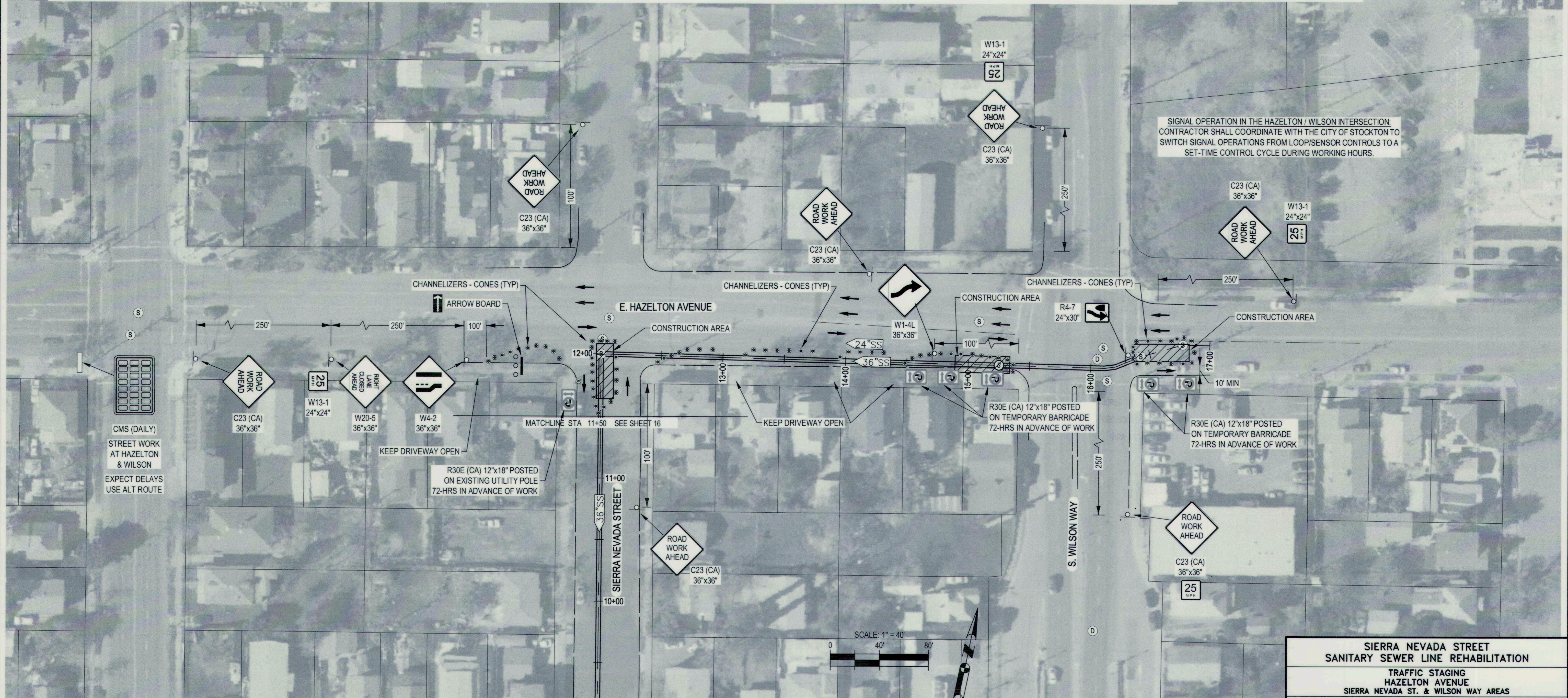
**LEGEND**

- PORTABLE SIGN
  - CONSTRUCTION AREA
  - TRAFFIC CONE W/ REFLECTIVE BAND 28" MIN. HEIGHT (CALIFORNIA MUTCD, 2014 SECTION 6F.64 - CONES)
  - DIRECTION OF TRAVEL WAYS
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- GENERAL NOTES:**
- ALL SIGNS & TRAFFIC CONTROL PER CALIFORNIA MUTCD 2014 EDITION.
- SIGN DESIGNATIONS:**
- W20-1 - TRAFFIC CONTROL SIGN CODE 36"x36" - MINIMUM SIGN SIZE

**SOUTH WILSON WAY**

POSTED SPEED LIMIT (S):	30 MPH	TAPER LENGTH	L = 180 FT.
TRAVEL LANE WIDTH (W):	12 FT.		
ROAD TYPE:	Urban; 25 mph to 40 mph	DISTANCE BETWEEN SIGNS	A, B, C = 250 FT.

REF: MUTCD CHAPTER 6C-T.T.C.E., PART 6-T.T.C., TABLES 6C-1 & 6C-4 (2014)



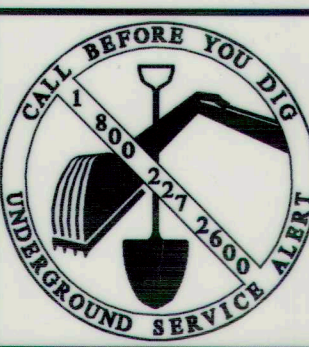
SIGNAL OPERATION IN THE HAZELTON / WILSON INTERSECTION. CONTRACTOR SHALL COORDINATE WITH THE CITY OF STOCKTON TO SWITCH SIGNAL OPERATIONS FROM LOOP/SENSOR CONTROLS TO A SET-TIME CONTROL CYCLE DURING WORKING HOURS.

CMS (DAILY)  
STREET WORK  
AT HAZELTON  
& WILSON  
EXPECT DELAYS  
USE ALT ROUTE

R30E (CA) 12"x18" POSTED  
ON EXISTING UTILITY POLE  
72-HRS IN ADVANCE OF WORK

R30E (CA) 12"x18" POSTED  
ON TEMPORARY BARRICADE  
72-HRS IN ADVANCE OF WORK

FILE SPEC: P:\2404\_COS\_Sierra\_Nevada\_SI\_SS\_Rehab\0010\_SN\_SS\_Rehab\08\_Civil\400\_Plans\020\_CAD\_Sheets\14 to 17\_CT-200.dwg  
PLOT DATE: Oct 07, 2021 - 2:14pm



**PROJECT ENGINEER**  
WILLIAM D. WORLEY  
REGISTERED PROFESSIONAL ENGINEER  
NO. 62870  
CIVIL  
STATE OF CALIFORNIA

**DRAWING SCALE**  
AS SHOWN  
ORIGINAL DRAWING SCALE  
0 1/2" 1"

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**SIERRA NEVADA STREET  
SANITARY SEWER LINE REHABILITATION**  
TRAFFIC STAGING  
HAZELTON AVENUE  
SIERRA NEVADA ST. & WILSON WAY AREAS

DEPARTMENT OF PUBLIC WORKS  
CITY OF STOCKTON, CALIFORNIA

SCALE: AS SHOWN  
DESIGNED BY: BDW  
DRAWN BY: PX  
CHECKED BY: SKS  
RECORD DWG:

APPROVED BY: [Signature]  
DATE: 12/15/21  
CITY ENGINEER  
STOCKTON, CALIF.

SHEET NO. 17  
OF 17 SHTS  
PROJECT NO. UW18029