

Notice of Exemption

Appendix E

To: Office of Planning and Research
P.O. Box 3044, Room 113
Sacramento, CA 95812-3044

County Clerk

County of: Sacramento

From: (Public Agency): City of Folsom
50 Natoma Street
Folsom, CA 95630

(Address)

Project Title: Flow Control Facilities Rehabilitation Project

Project Applicant: City of Folsom

Project Location - Specific:

Various locations throughout the city of Folsom

Project Location - City: Folsom Project Location - County: Sacramento

Description of Nature, Purpose and Beneficiaries of Project:

The project is generally described as water distribution system repairs, rehabilitation, replacement, and new infrastructure to improve City of Folsom water system deficiencies. The project consists of rehabilitating and relocating water distribution system pressure reducing stations above ground at four locations, abandoning two existing pressure reducing stations, and installation of one new pressure reducing station at various locations throughout the city.

Name of Public Agency Approving Project: City of Folsom

Name of Person or Agency Carrying Out Project: City of Folsom

Exempt Status: **(check one):**

- ☐ Ministerial (Sec. 21080(b)(1); 15268);
- ☐ Declared Emergency (Sec. 21080(b)(3); 15269(a));
- ☐ Emergency Project (Sec. 21080(b)(4); 15269(b)(c));
- ☒ Categorical Exemption. State type and section number: Class 2: 15302 (c)
- ☐ Statutory Exemptions. State code number: _____

Reasons why project is exempt:

The project consists of upgrading existing pressure reducing stations and infrastructure within the city's water distribution system. The project will not significantly change the purpose or footprint of the previous infrastructure. See attached project plans for additional details.

Lead Agency

Contact Person: Nathan Stites Area Code/Telephone/Extension: 916-461-6167

If filed by applicant:

1. Attach certified document of exemption finding.
2. Has a Notice of Exemption been filed by the public agency approving the project? Yes No

Signature:  Date: 11/21/2026 Title: Utilities Director

▪ Signed by Lead Agency Signed by Applicant

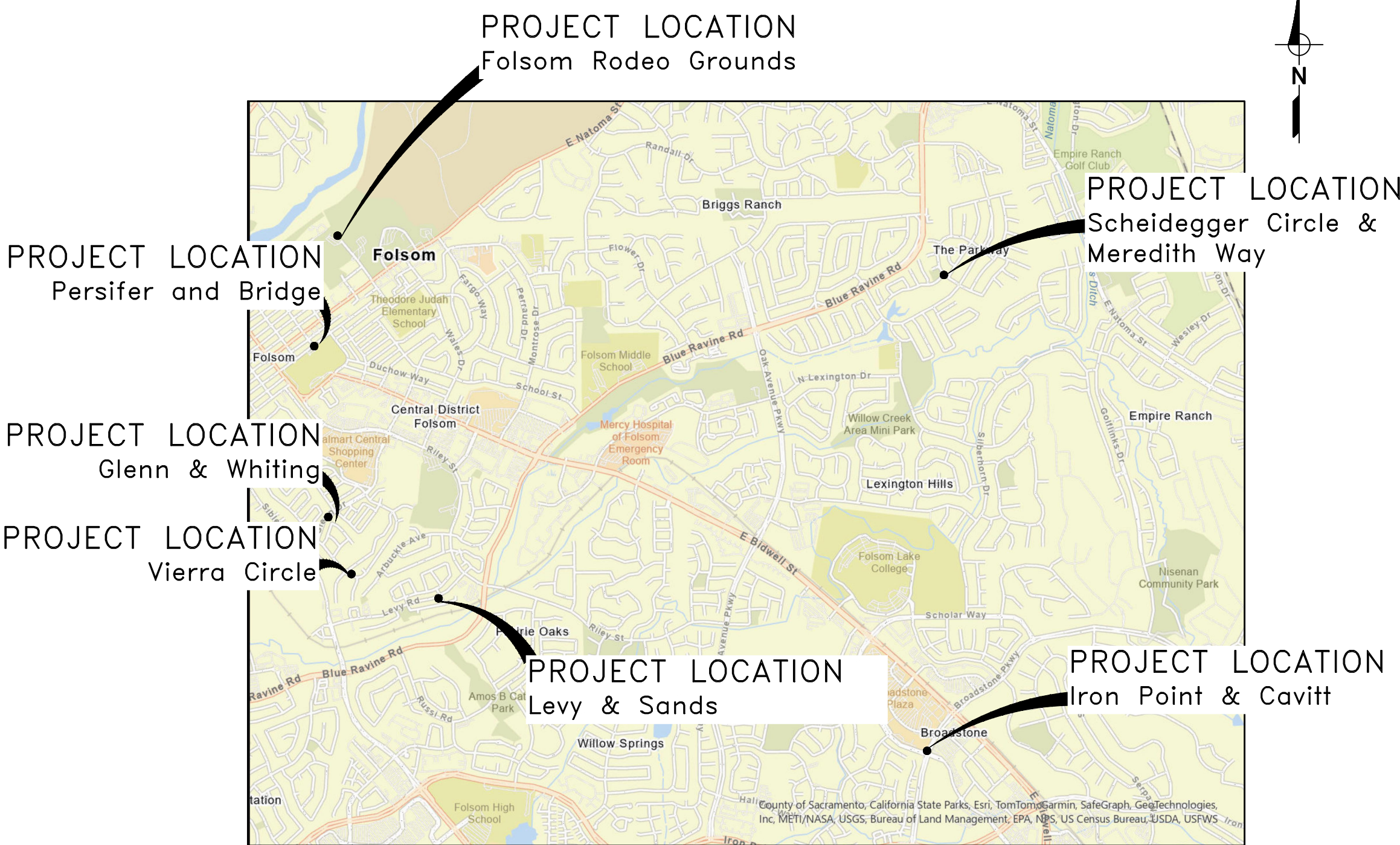
Authority cited: Sections 21083 and 21110, Public Resources Code.
Reference: Sections 21108, 21152, and 21152.1, Public Resources Code.

Date Received for filing at OPR: _____

CITY OF FOLSOM

FLOW CONTROL FACILITIES REHABILITATION PROJECT

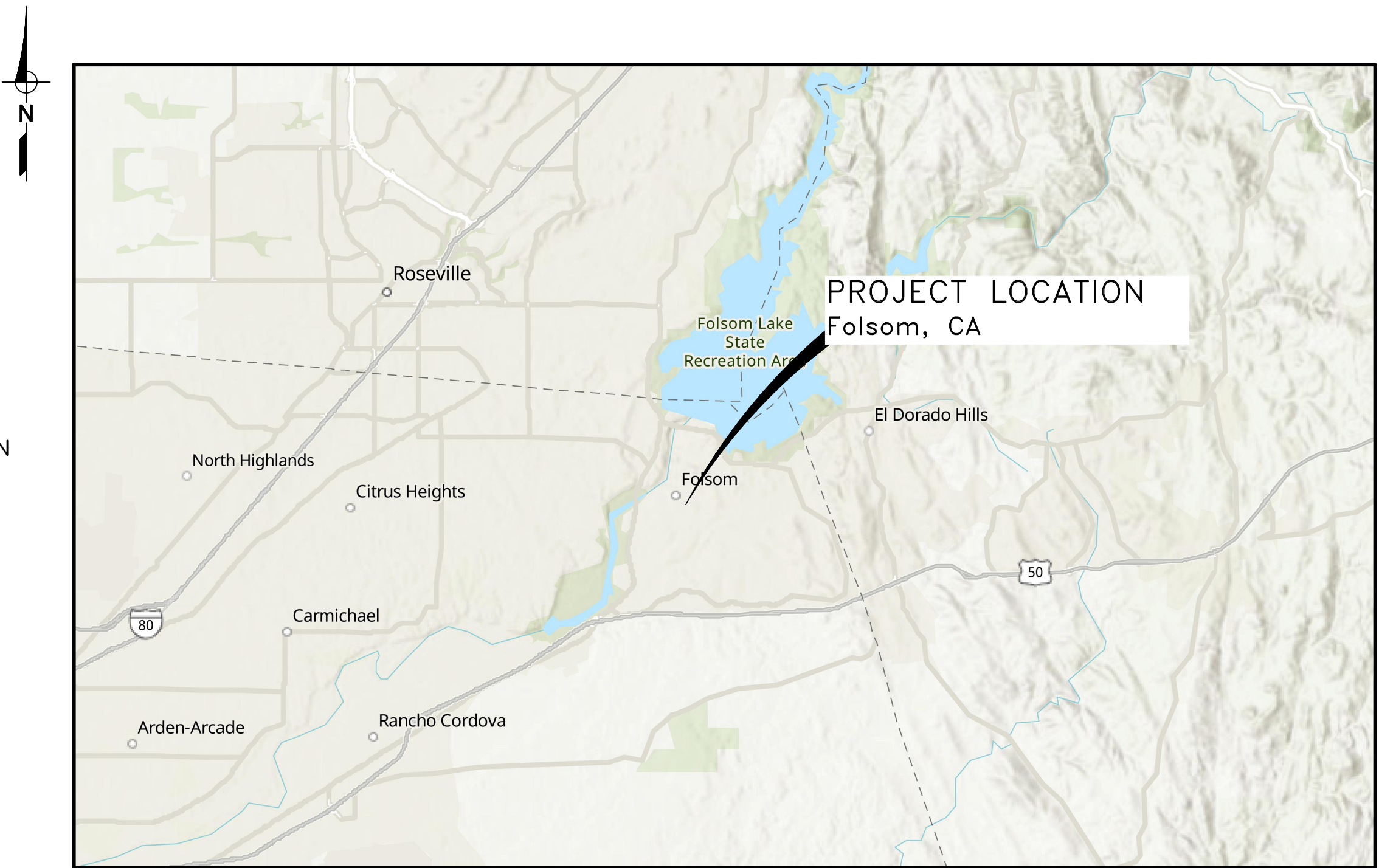
FOLSOM, CA
JULY 2025



LOCATION MAP
NTS

INDEX OF DRAWINGS

- G1 TITLE SHEET, LOCATION MAP & VICINITY MAP
G2 GENERAL NOTES, LEGEND, SYMBOLS & ABBREVIATIONS
- M1 GLENN DRIVE AND WHITING WAY PRV PLANS AND SECTION
M2 IRON POINT ROAD AND CAVITT DRIVE PRV PLANS AND SECTION
M3 SCHEIDEGGER CIRCLE AND MEREDITH WAY PRV PLANS AND SECTION
M4 LEVY ROAD AND SANDS WAY PRV PLANS AND SECTION
M5 FOLSOM RODEO GROUNDS PRV DEMOLITION PLANS AND SECTIONS
M6 VIERRA CIRCLE PRV DEMOLITION PLANS AND SECTIONS
M7 PERSIFER STREET AND BRIDGE STREET PRV PLANS AND SECTION
- D1 STANDARD DETAILS I
D2 STANDARD DETAILS II
D3 STANDARD DETAILS III



VICINITY MAP
NTS

MARCUS YASUTAKE, P.E. - DIRECTOR,
ENVIRONMENTAL & WATER RESOURCES

DATE

REBECCA NEVES, CITY ENGINEER

DATE

KARL BRUSTAD, P.E. - PBI

DATE



WARNING: CONTRACTOR TO USE EXTREME CAUTION. EXACT DEPTH AND LOCATION OF UNDERGROUND UTILITIES ARE UNKNOWN. CONTRACTOR TO FIELD VERIFY LOCATIONS AND DEPTH OF EXISTING UTILITIES PRIOR TO CONSTRUCTION AND SHALL NOTIFY ENGINEER OF ANY CONFLICT. CONTRACTOR SHALL CALL 811 AT LEAST TWO WORKING DAYS BEFORE DIGGING.

REV	DATE	BY	DESCRIPTION

SCALE:
AS NOTED
DATE:
JULY 2025

WARNING
0 1/2 1
IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE.

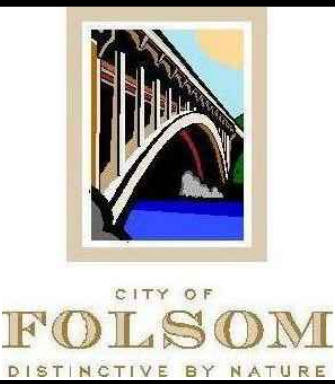
DESIGNED AA
DRAWN DG/LAH
CHECKED KBB

PROJECT ENGINEER	R.C.E. NO.	EXP. DATE
KARL BRUSTAD	57869	06/30/26
PROJECT MANAGER	R.C.E. NO.	EXP. DATE



PBI ENGINEERING CONSULTING™
A Verdantas Company

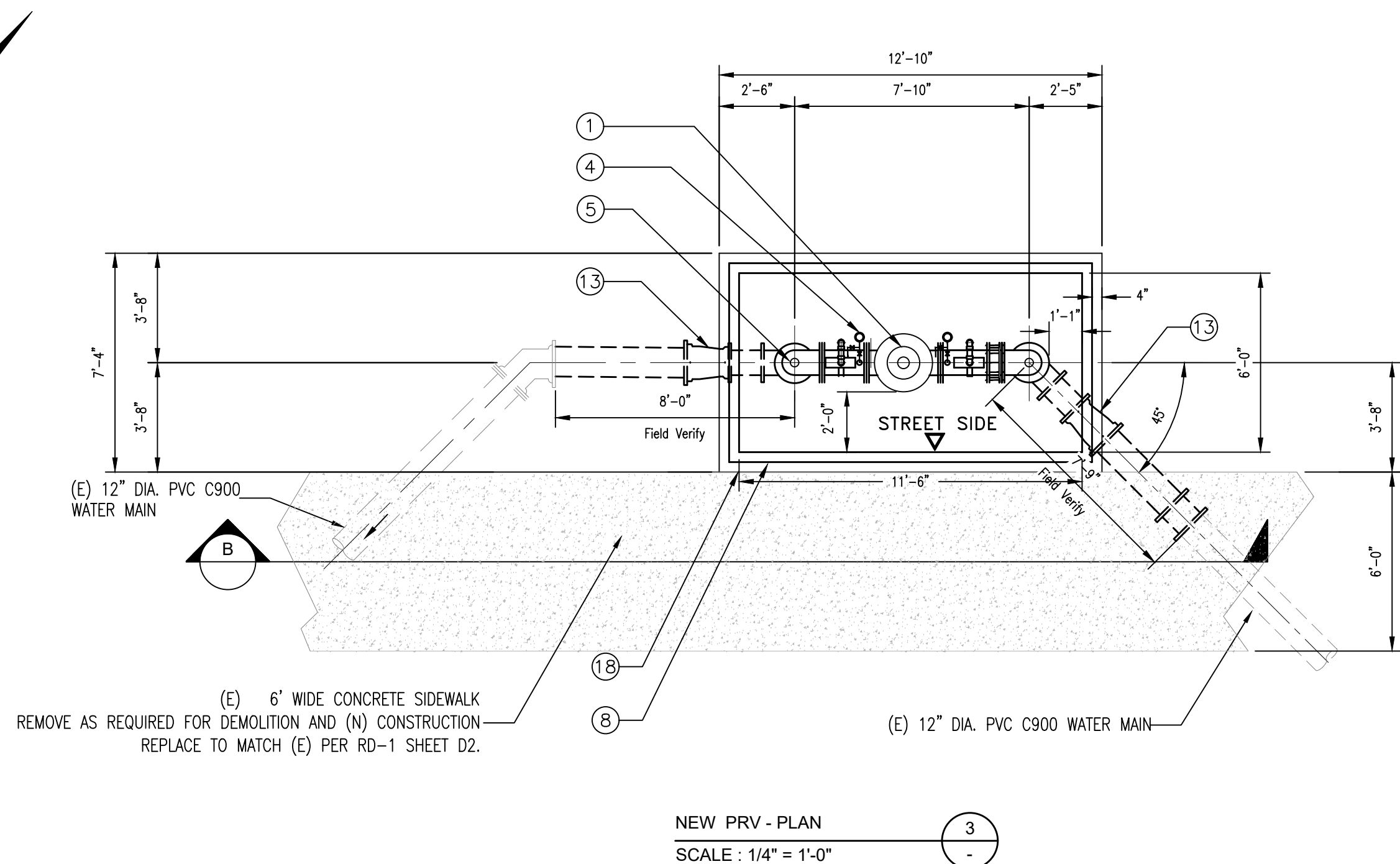
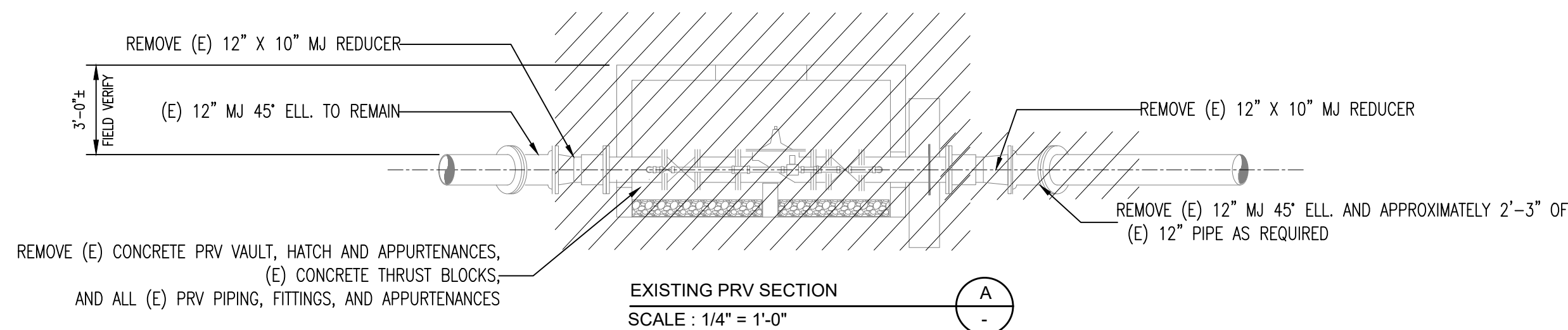
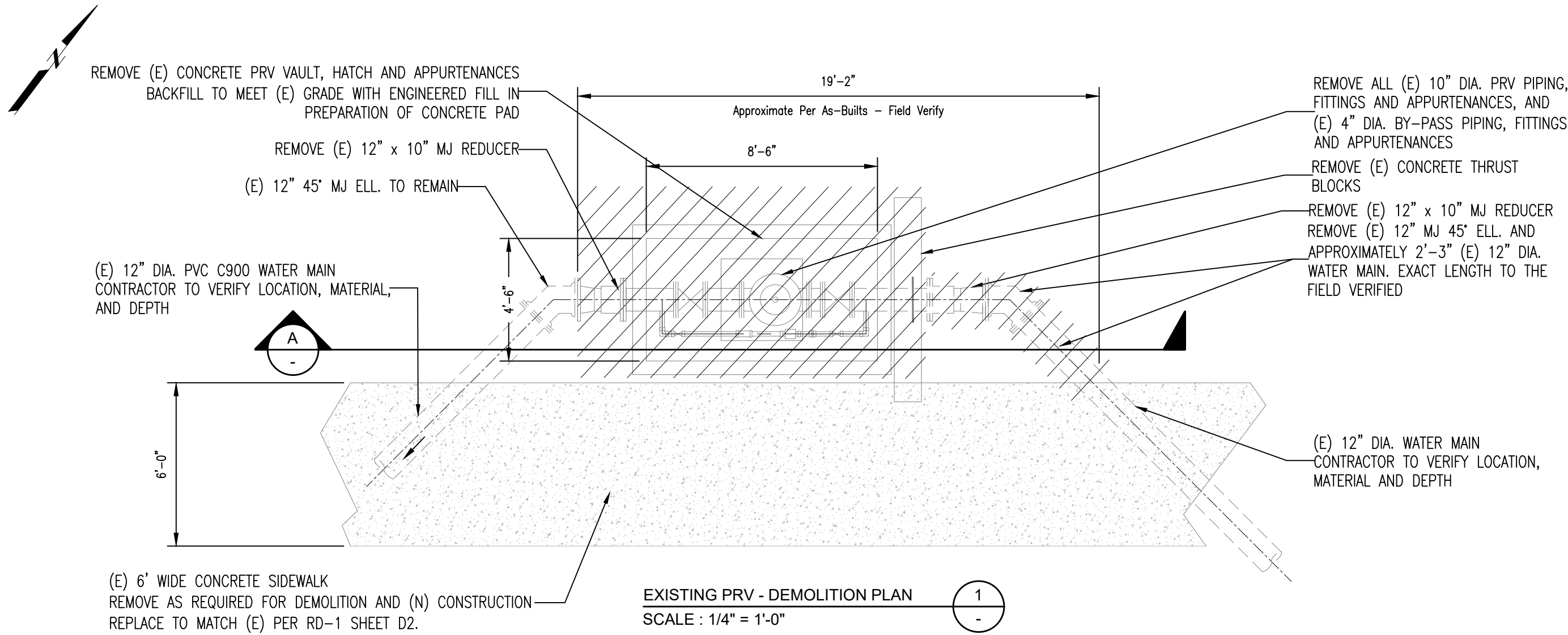
80 Blue Ravine Rd. Suite 280
Folsom, CA 95630
PH. 916-608-2212



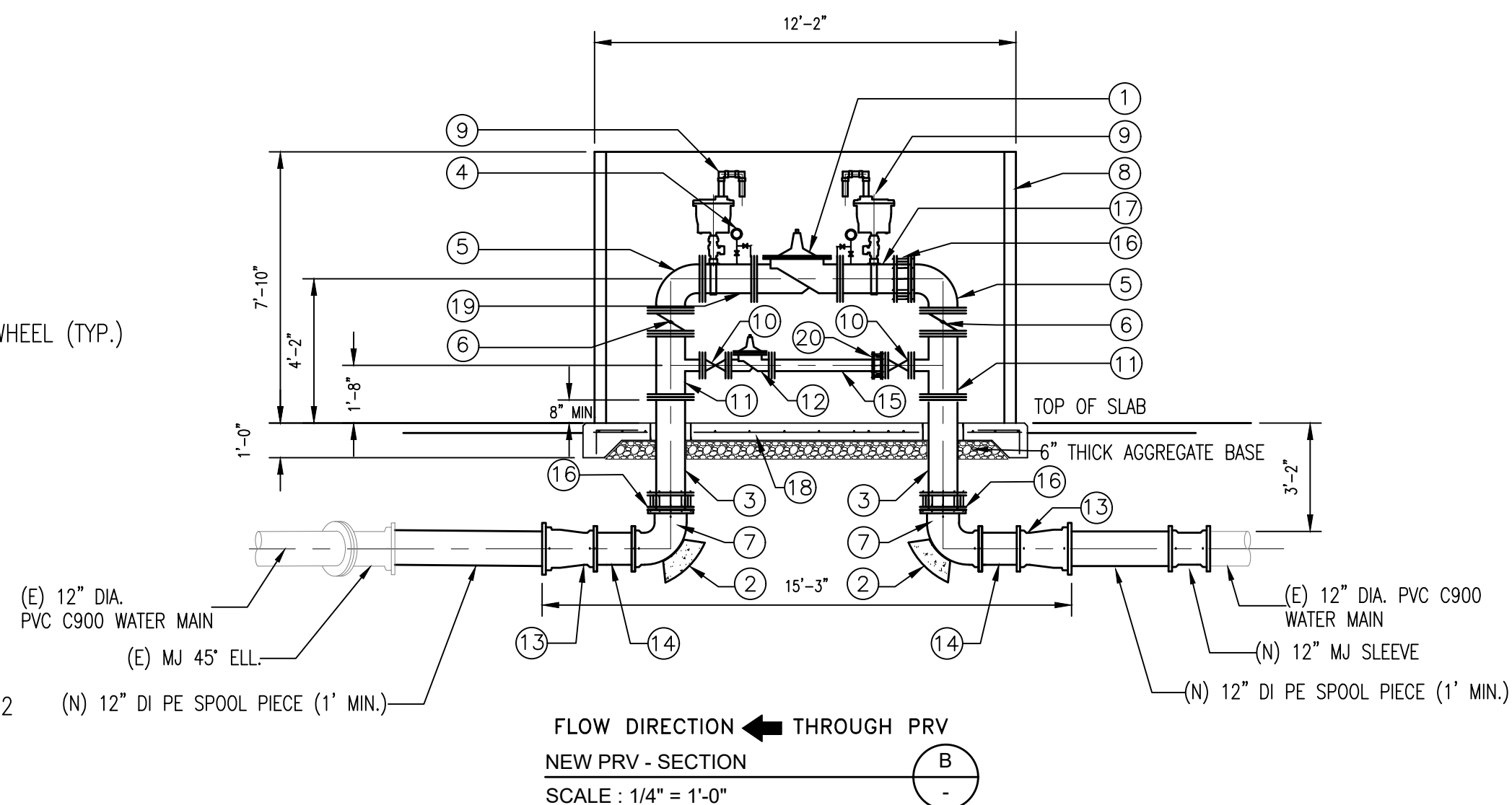
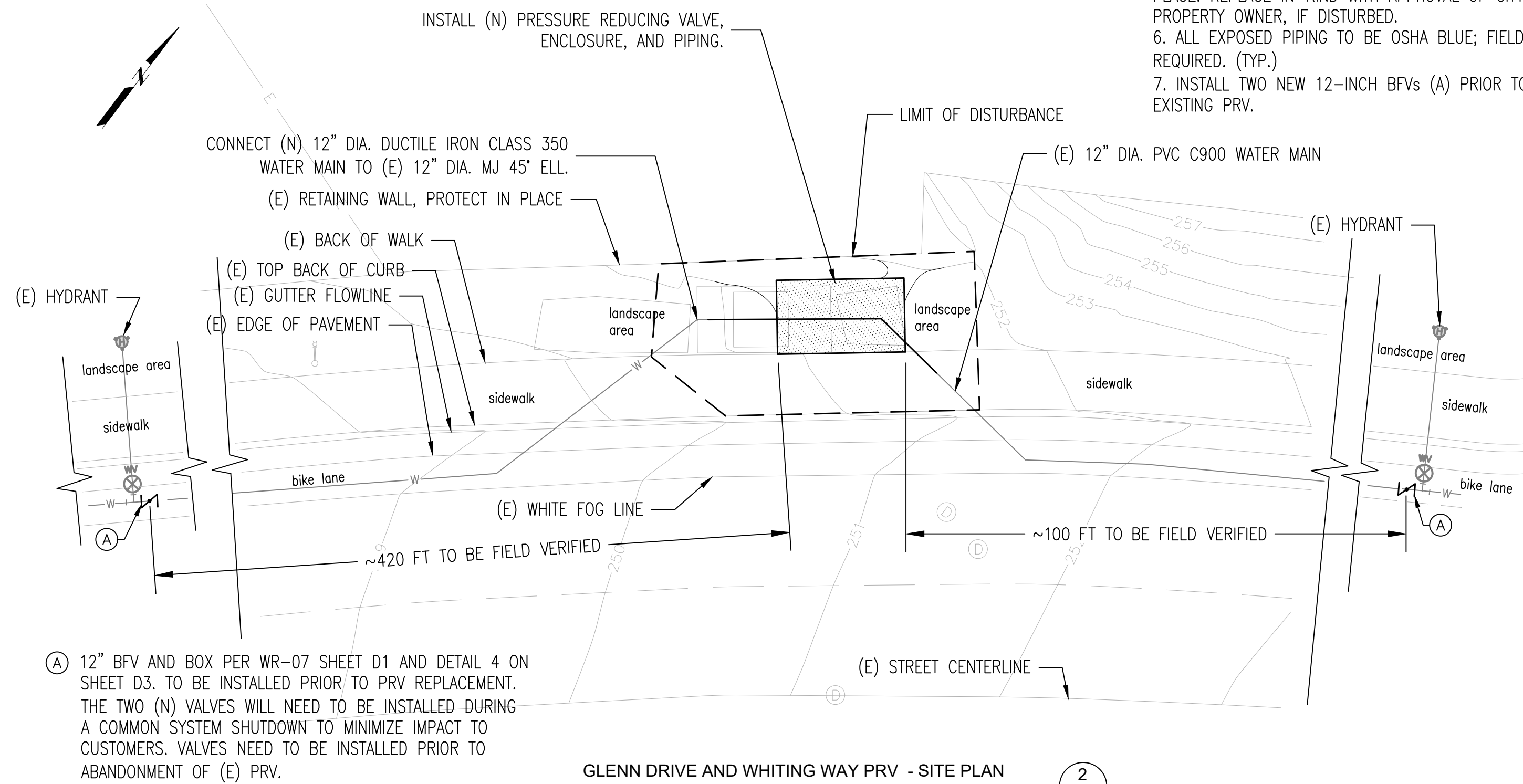
CITY OF FOLSOM FLOW CONTROL FACILITIES REHABILITATION PROJECT
TITLE SHEET, LOCATION MAP & VICINITY MAP

BID SET
SHEET
G1
SHEET 1 OF 12

C:\Users\JHERMA~1\AppData\Local\Temp\AcPublish_25168\ARV PLANS AND DETAILS.dwg 7-30-25 03:21:38 PM jhernandez



- ① (N) 10" FLANGED PRESSURE REDUCING VALVE CLA-VAL MODEL 90-01
- ② (N) THRUST BLOCK PER DETAIL WR-04 SHEET D1 (TYP.)
- ③ (N) 10" PE x FLG DI SPOOL PIECE
- ④ (N) PRESSURE GAUGE PER DETAIL 1 SHEET D3 (TYP.)
- ⑤ (N) 10" DI 90° FLANGED ELL. (TYP.)
- ⑥ (N) 10" FLANGED BFV WITH HANDWHEEL (TYP.)
- ⑦ (N) 10" MJ x FLG RESTRAINED 90° ELL.
- ⑧ (N) 11'-6" x 6'-0" x 7'-10" HIGH ABOVE GROUND PRV ENCLOSURE PLACER WATERWORKS MODEL BE60
- ⑨ (N) 2" AIR RELEASE VALVE (TYP.)
- ⑩ (N) 4" RESILIENT SEAT FLANGED GATE VALVE WITH HANDWHEEL (TYP.)
- ⑪ (N) 10" x 10" x 4" FLANGED DI TEE (TYP.)
- ⑫ (N) 4" FLANGED PRESSURE REDUCING VALVE CLA-VAL MODEL 90-01
- ⑬ (N) 12" x 10" RESTRAINED MJ REDUCER (TYP.)
- ⑭ (N) 10" DI PE SPOOL PIECE (1' MIN.)
- ⑮ (N) 4" DIA. FLG x PE DI BY-PASS LINE
- ⑯ (N) 10" RESTRAINED FCA
- ⑰ (N) 10" FLG x PE DI SPOOL PIECE
- ⑱ (N) 12'-10" x 7'-4" x 6" CONCRETE PAD WITH #4 @ 12" O.C. BOTH WAYS PER DETAIL 2 SHEET D2
- ⑲ (N) 10" FLG x FLG DI SPOOL PIECE
- ⑳ (N) 4" RESTRAINED FCA



- NOTES:
1. ALL (N) PIPE JOINTS SHALL BE FULLY RESTRAINED.
 2. ALL TUBING AND GAUGES SHALL BE ON THE STREET SIDE OF THE PRESSURE REDUCING STATION.
 3. TOP OF SLAB SHALL BE MINIMUM 2" ABOVE THE EXISTING GRADE.
 4. MAINTAIN POSITIVE DRAINAGE AWAY FROM THE SLAB AND IN ALL DISTURBED AREAS.
 5. PROTECT (E) LANDSCAPE AREAS AND IRRIGATION COMPONENTS IN PLACE. REPLACE IN-KIND WITH APPROVAL OF CITY OF FOLSOM, AND PROPERTY OWNER, IF DISTURBED.
 6. ALL EXPOSED PIPING TO BE OSHA BLUE; FIELD PAINTED AS REQUIRED. (TYP.)
 7. INSTALL TWO NEW 12-INCH BFVs (A) PRIOR TO DEMOLITION OF EXISTING PRV.

BID SET

SHEET

M1

SHEET 3 OF 12

REV	DATE	BY	DESCRIPTION

SCALE:

WARNING

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DATE:

JULY 2025

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NOT MEASURE 1"
THEN DRAWING IS
NOT TO SCALE.

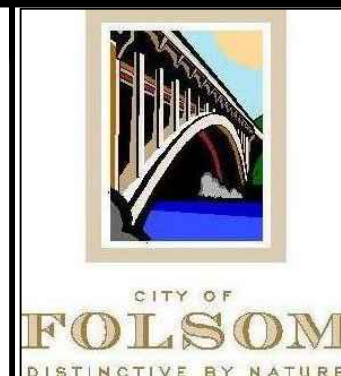
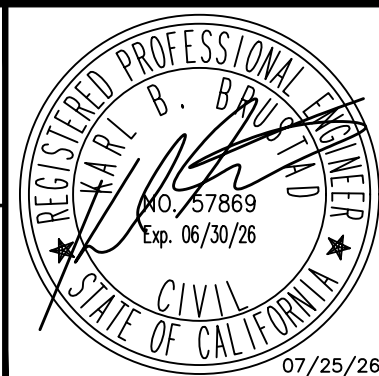
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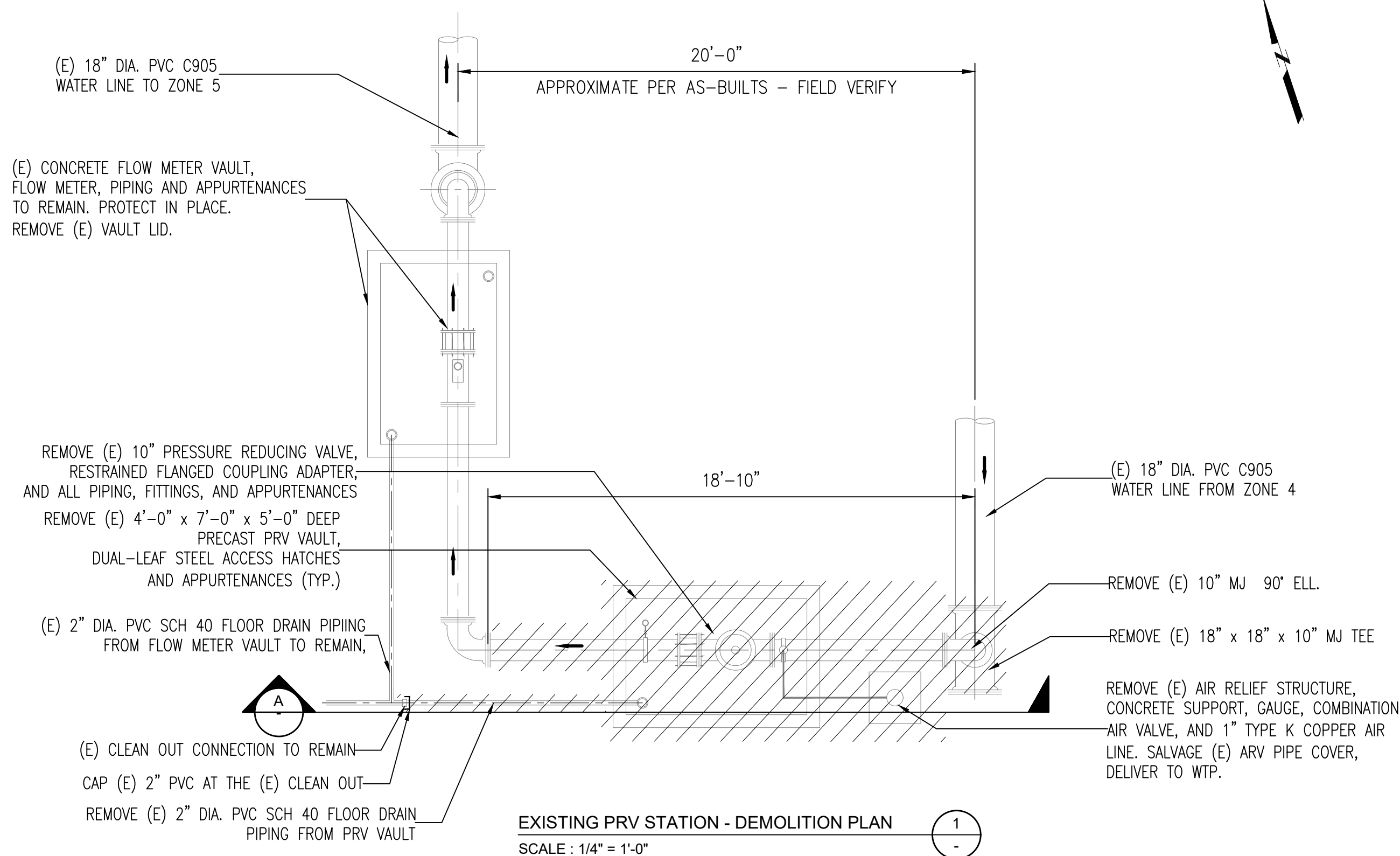
PROJECT ENGINEER R.C.E. NO. EXP. DATE

KARL BRUSTAD 57869 06/30/26
PROJECT MANAGER R.C.E. NO. EXP. DATE

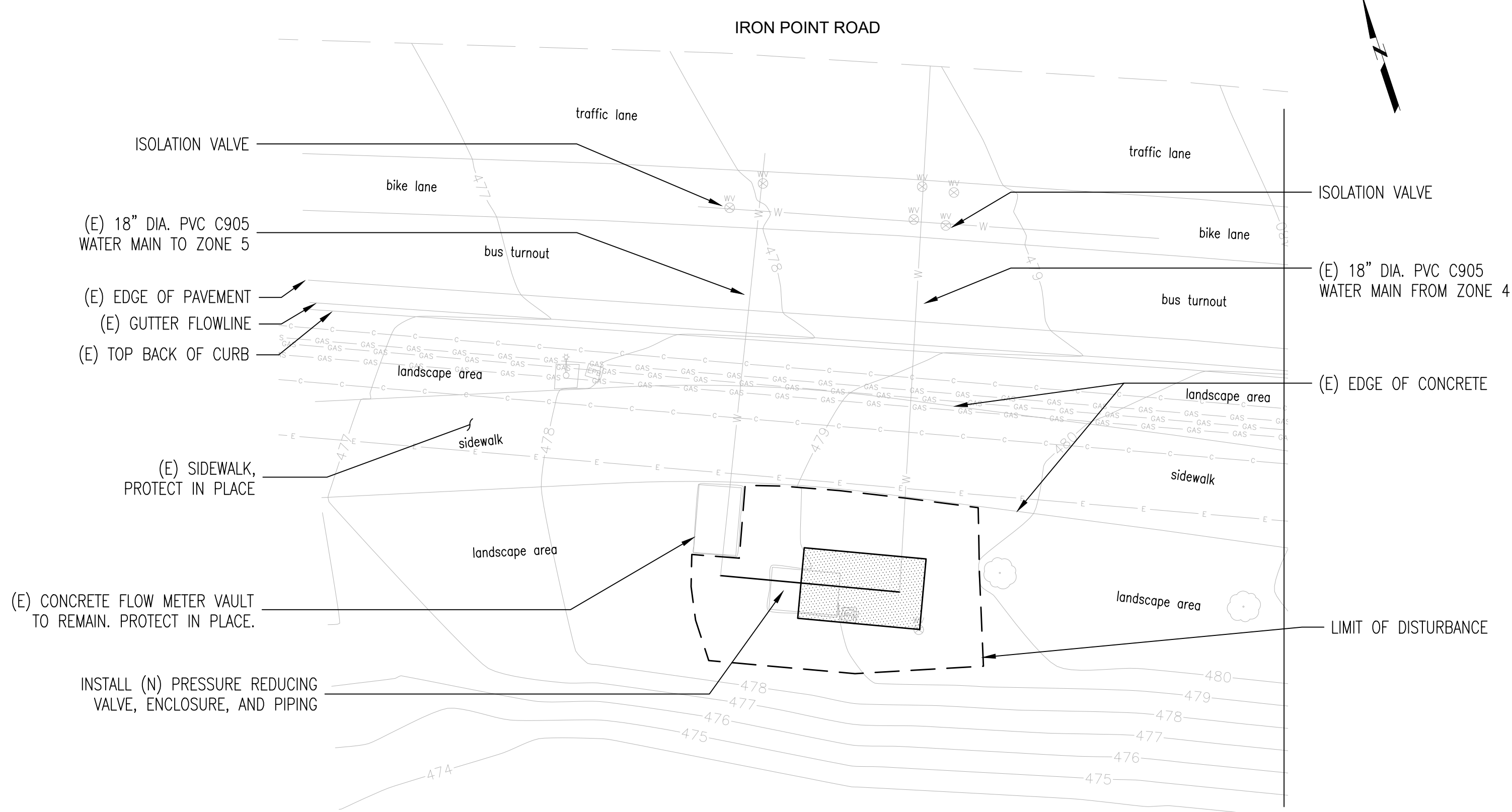


CITY OF FOLSOM
FLOW CONTROL FACILITIES REHABILITATION PROJECT

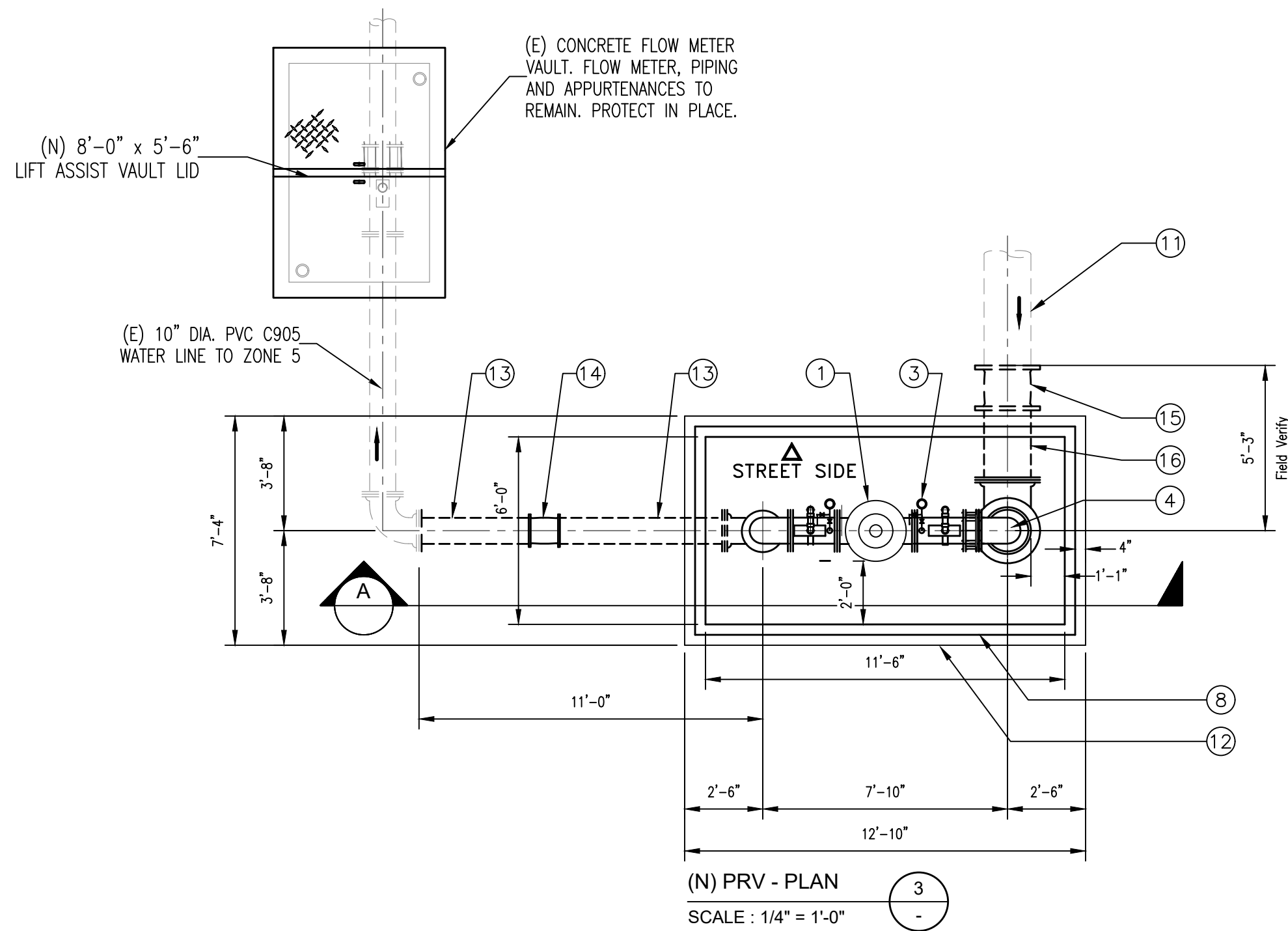
GLENN DRIVE AND WHITING WAY
PRV PLANS AND SECTION



EXISTING PRV STATION - DEMOLITION PLAN
SCALE : 1/4" = 1'-0"

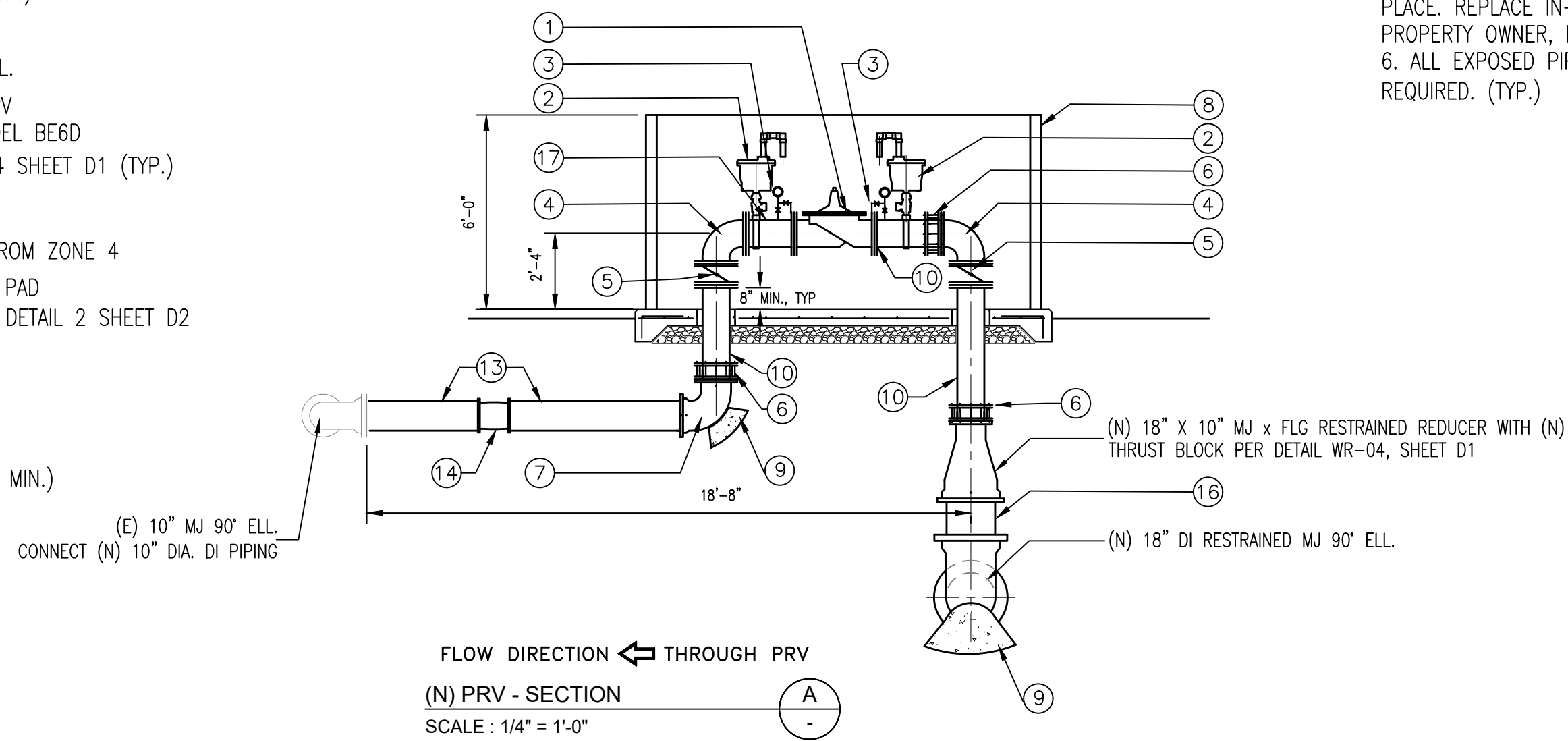


IRON POINT ROAD AND CAVITT DRIVE PRV VAULT - SITE PLAN
SCALE: 1" = 10'



(N) PRV - PLAN
SCALE : 1/4" = 1'-0"

- ① (N) 10" FLG CAL-VAL FULL PORT PRV MODEL 90-01
- ② (N) 2" AIR RELEASE VALVE (TYP.)
- ③ (N) PRESSURE GAUGE WITH SADDLE (TYP.)
- ④ (N) 10" FLG DI 90° ELL. (TYP.)
- ⑤ (N) 10" FLG BFV WITH HANDWHEEL (TYP.)
- ⑥ (N) 10" DI RESTRAINED FCA (TYP.)
- ⑦ (N) 10" MJ x FLG RESTRAINED 90° ELL.
- ⑧ (N) 11'-6" x 6'-0" x 6'-0" HIGH PRV ENCLOSURE PLACER WATERWORKS MODEL BE6D
- ⑨ (N) THRUST BLOCK PER DETAIL WR-04 SHEET D1 (TYP.)
- ⑩ (N) 10" PE x FLG DI SPOOL PIECE
- ⑪ (E) 18" DIA. PVC C905 WATER LINE FROM ZONE 4
- ⑫ (N) 12'-10" x 7'-4" x 6" CONCRETE PAD WITH #4 @ 12" O.C. BOTH WAYS PER DETAIL 2 SHEET D2
- ⑬ (N) 10" PE x PE DI SPOOL PIECE
- ⑭ (N) 10" RESTRAINED MJ SLEEVE
- ⑮ (N) 18" RESTRAINED MJ SLEEVE
- ⑯ (N) 18" PE x PE DI SPOOL PIECE (1' MIN.)
- ⑰ (N) 10" FLG x FLG DI SPOOL PIECE



FLOW DIRECTION ← THROUGH PRV
(N) PRV - SECTION
SCALE : 1/4" = 1'-0"

NOTES:

1. ALL (N) PIPE JOINTS SHALL BE FULLY RESTRAINED.
2. ALL TUBING AND GAUGES SHALL BE ON THE STREET SIDE OF THE PRESSURE REDUCING STATION.
3. TOP OF SLAB SHALL BE MINIMUM 2" ABOVE THE EXISTING GRADE.
4. MAINTAIN POSITIVE DRAINAGE AWAY FROM THE SLAB AND IN ALL DISTURBED AREAS.
5. PROTECT (E) LANDSCAPE AREAS AND IRRIGATION COMPONENTS IN PLACE. REPLACE IN-KIND WITH APPROVAL OF CITY OF FOLSOM, AND PROPERTY OWNER, IF DISTURBED.
6. ALL EXPOSED PIPING TO BE OSHA BLUE; FIELD PAINTED AS REQUIRED. (TYP.)

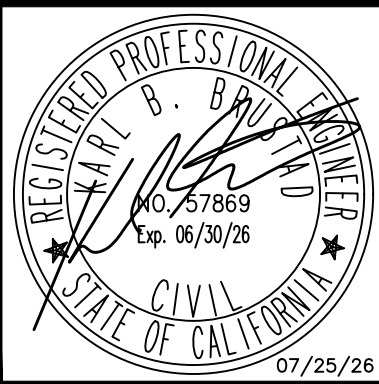
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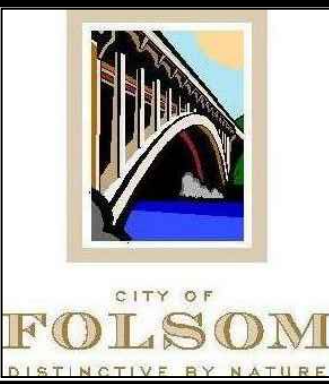
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KARL BRUSTAD	57869	06/30/26
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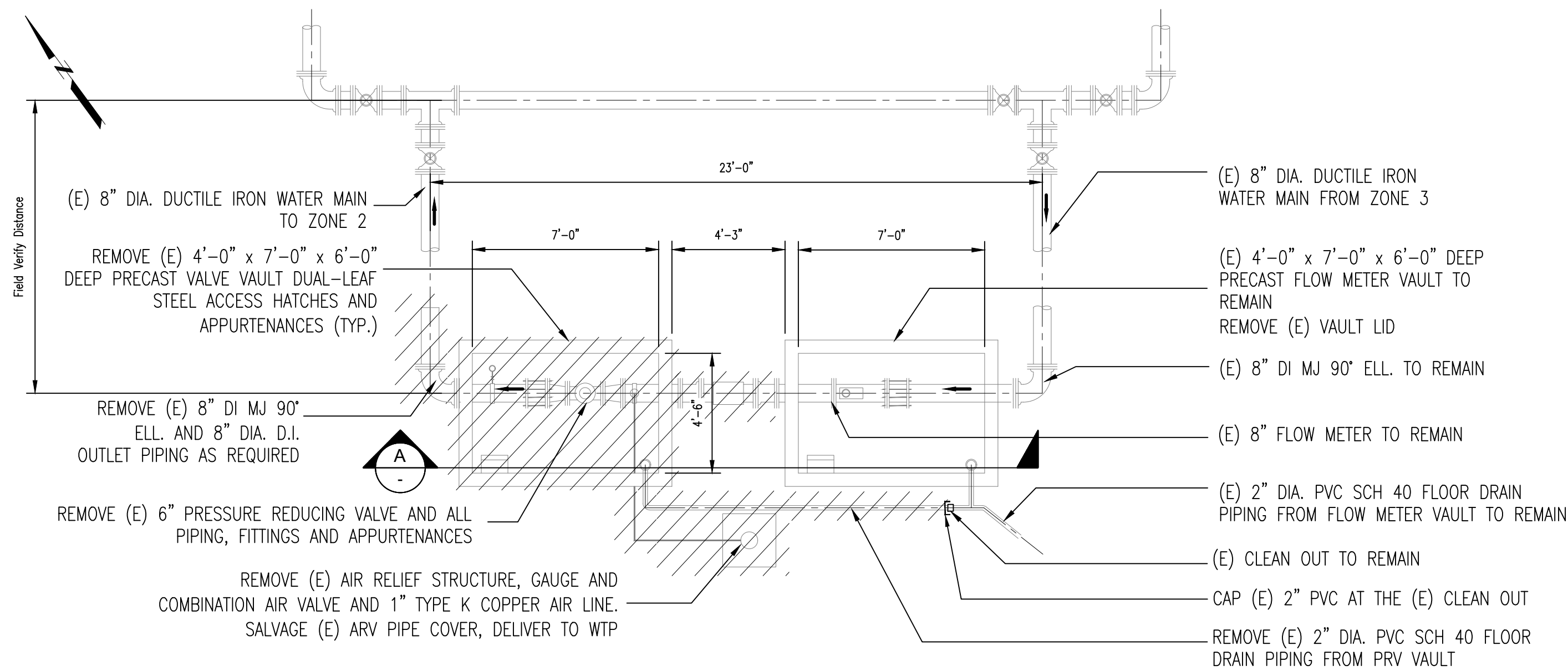
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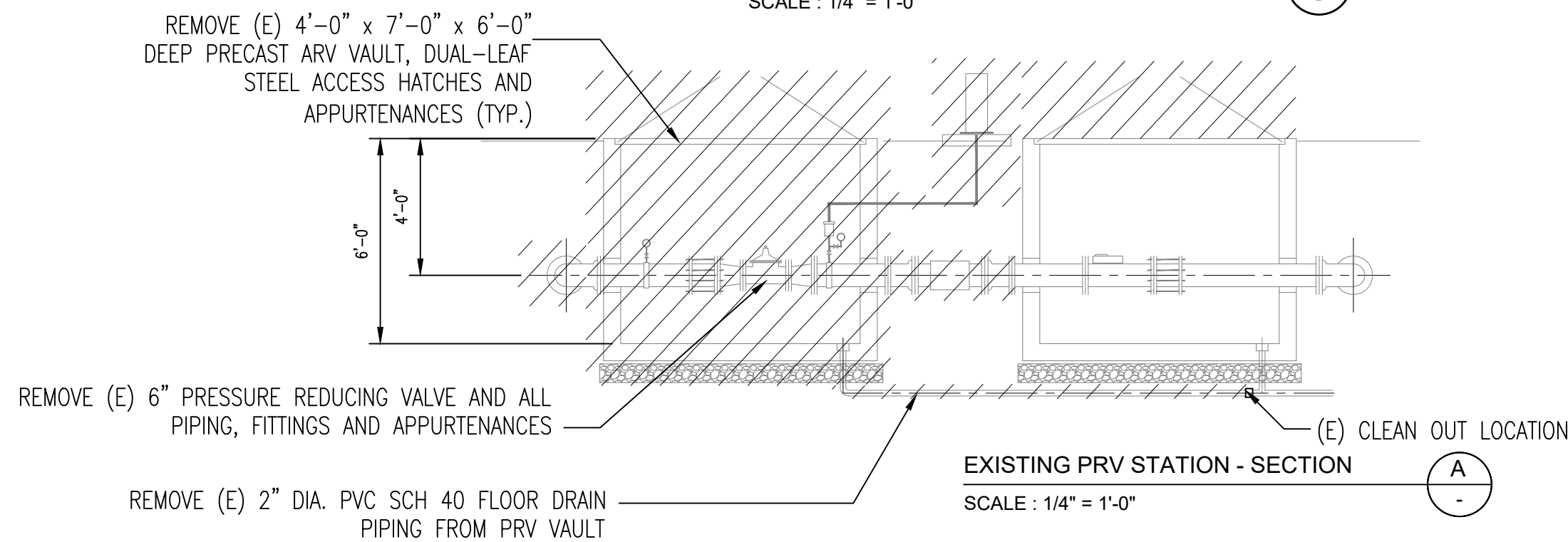
CITY OF FOLSOM FLOW CONTROL FACILITIES REHABILITATION PROJECT
IRON POINT ROAD AND CAVITT DRIVE PRV PLANS AND SECTION

SHEET
M2
SHEET 4 OF 12



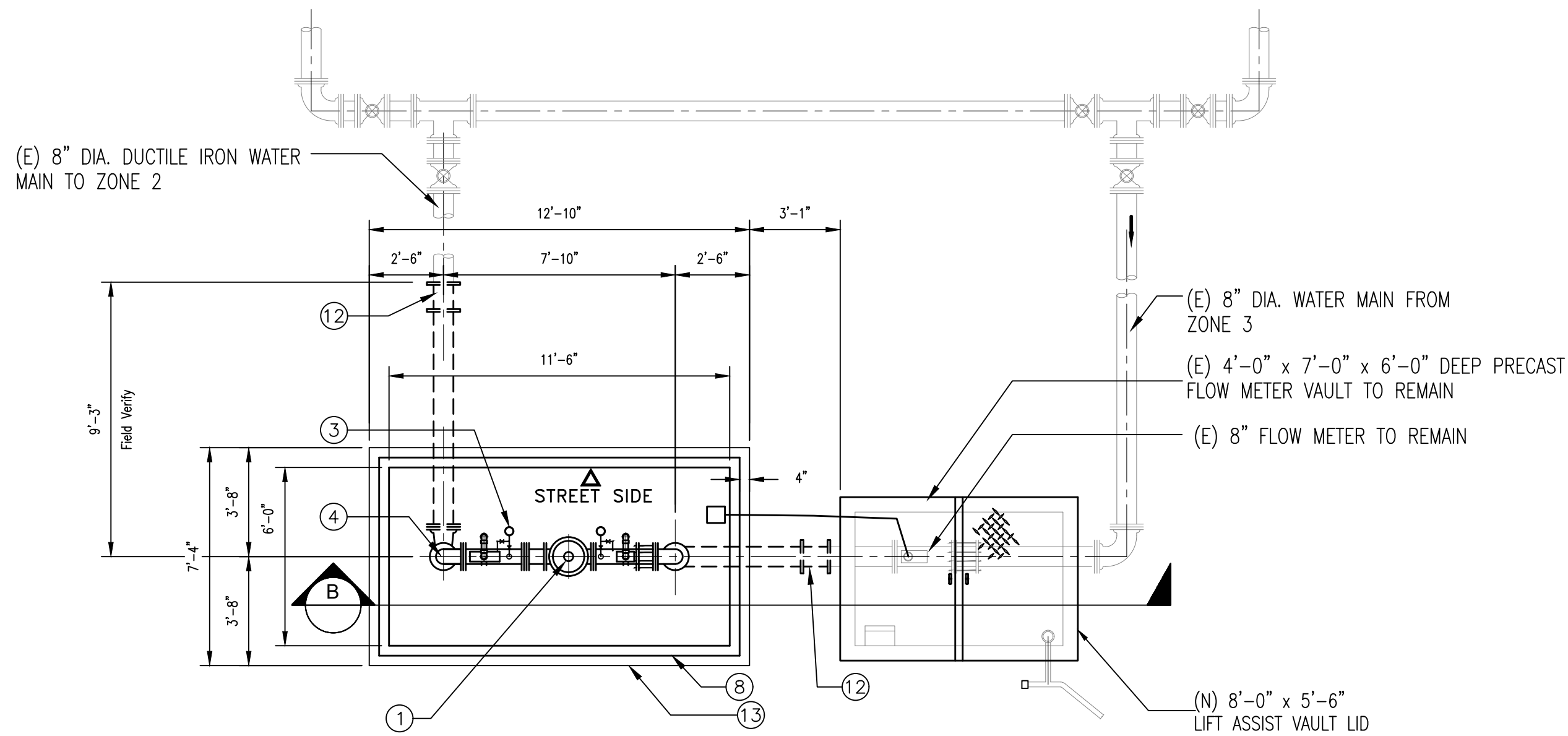
EXISTING PRV STATION - DEMOLITION PLAN

SCALE : 1/4" = 1'-0"



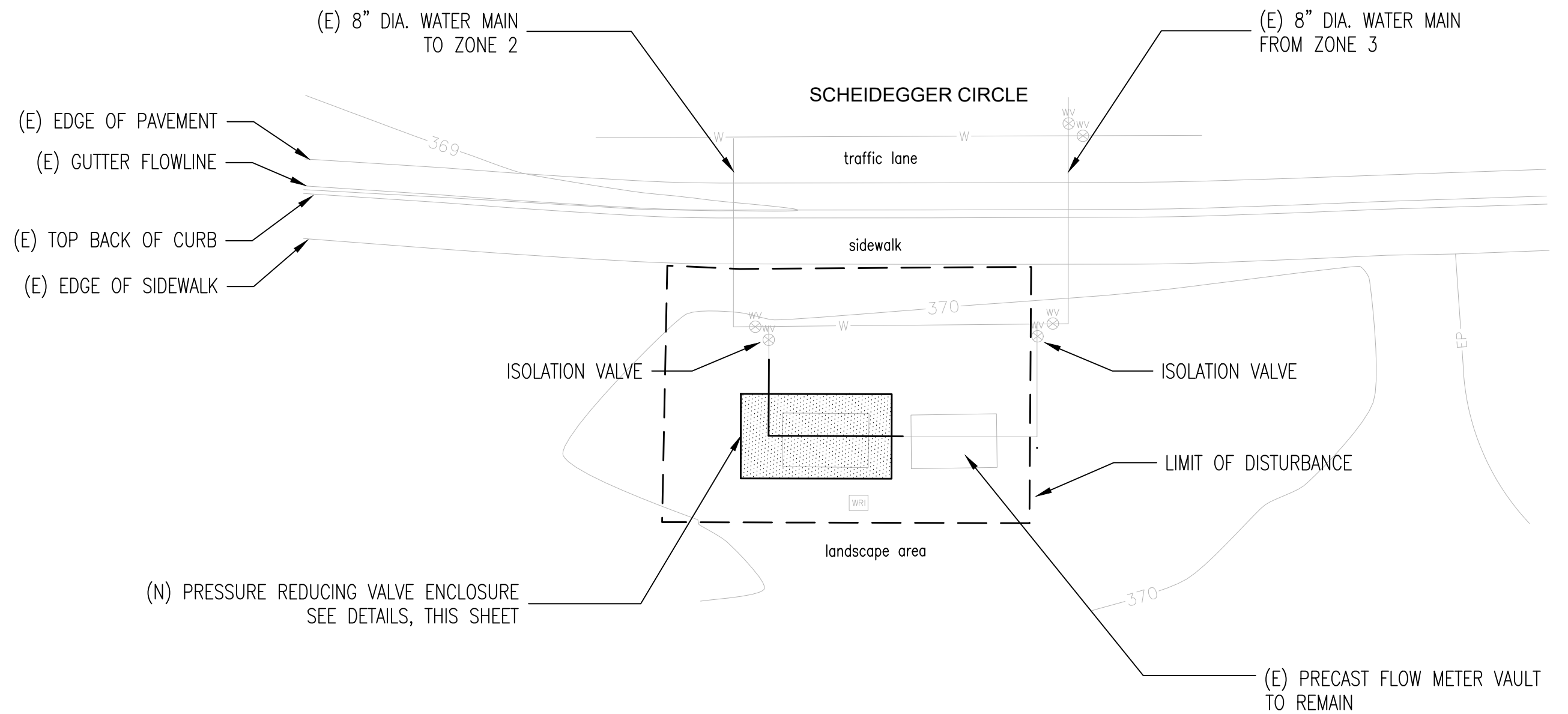
EXISTING PRV STATION - SECTION

SCALE : 1/4" = 1'-0"



(N) PRV - PLAN

SCALE : 1/4" = 1'-0"



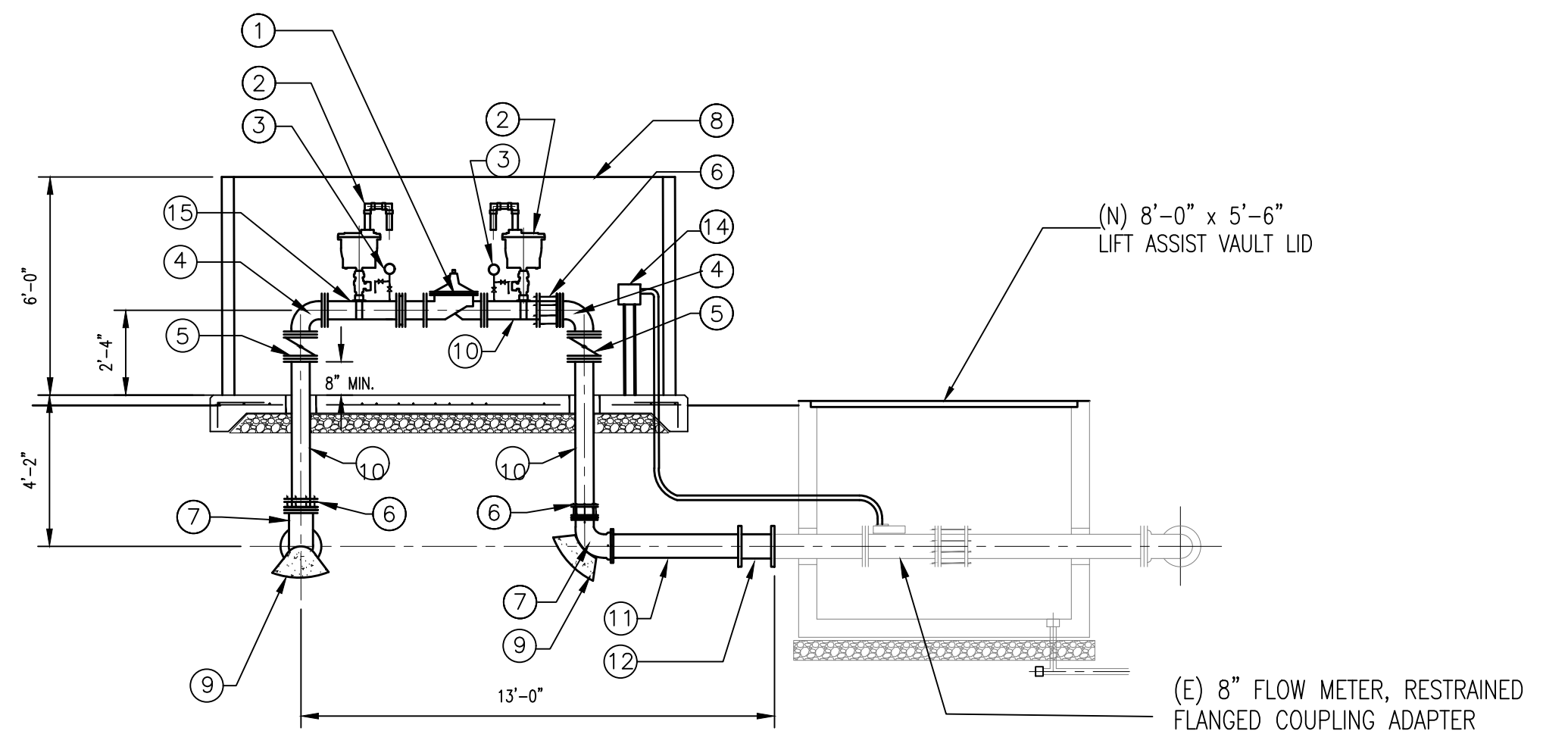
SCHEIDEGGER CIRCLE AND MEREDITH WAY PRV VAULT - SITE PLAN

SCALE: 1" = 10'

NOTES:

1. ALL (N) PIPE JOINTS SHALL BE FULLY RESTRAINED.
2. ALL TUBING AND GAUGES SHALL BE ON THE STREET SIDE OF THE PRESSURE REDUCING STATION.
3. TOP OF SLAB SHALL BE MINIMUM 2" ABOVE THE EXISTING GRADE.
4. MAINTAIN POSITIVE DRAINAGE AWAY FROM THE SLAB AND IN ALL DISTURBED AREAS.
5. PROTECT (E) LANDSCAPE AREAS AND IRRIGATION COMPONENTS IN PLACE. REPLACE IN-KIND WITH APPROVAL OF CITY OF FOLSOM, AND PROPERTY OWNER, IF DISTURBED.
6. ALL EXPOSED PIPING TO BE OSHA BLUE; FIELD PAINTED AS REQUIRED. (TYP.)

- 1 (N) 6" PRESSURE REDUCING VALVE CLA-VAL MODEL 49-11 WITH CLA-VAL X52E ORIFICE PLATE ASSEMBLY PER DETAIL 2 SHEET D3
- 2 (N) 2" ARV WITH SADDLE (TYP.)
- 3 (N) PRESSURE GAUGE WITH SADDLE (TYP.)
- 4 (N) 6" FLG DI 90° ELL. (TYP.)
- 5 (N) 6" FLG BFV WITH HANDWHEEL (TYP.)
- 6 (N) 6" DI RESTRAINED FCA (TYP.)
- 7 (N) 8" x 6" RESTRAINED MJ x FLG REDUCING 90° ELL. WITH THRUST BLOCK PER DETAIL WR-04, SHEET D1 (TYP.)
- 8 (N) 11'-6" x 6'-0" x 6'-0" HIGH PRV ENCLOSURE PLACER WATERWORKS MODEL BE6D
- 9 (N) THRUST BLOCK PER DETAIL WR-04 SHEET D1 (TYP.)
- 10 (N) 6" PE x FLG DI SPOOL PIECE
- 11 (N) 8" PE x PE DI SPOOL PIECE
- 12 (N) 8" RESTRAINED MJ SLEEVE
- 13 (N) 12'-10" x 7'-4" x 6" CONCRETE PAD WITH #4 @ 12" O.C. BOTH WAYS PER DETAIL 2 SHEET D2
- 14 (N) FLOWCOM DIGITAL REGISTER REMOTE METER HEAD MOUNTED ON UNISTRUT SUPPORT, CONNECTED WITH CONDUIT
- 15 (N) 6" FLG x FLG DI SPOOL PIECE



FLOW DIRECTION ← THROUGH PRV

(N) PRV - SECTION

SCALE : 1/4" = 1'-0"

REV	DATE	BY	DESCRIPTION

SCALE:

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JULY 2025

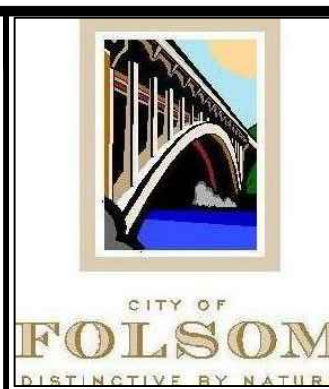
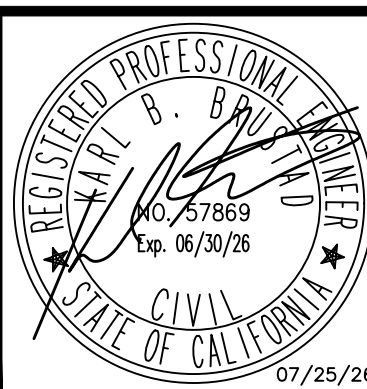
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PROJECT ENGINEER R.C.E. NO. EXP. DATE

KARL BRUSTAD 57869 06/30/26
PROJECT MANAGER R.C.E. NO. EXP. DATE



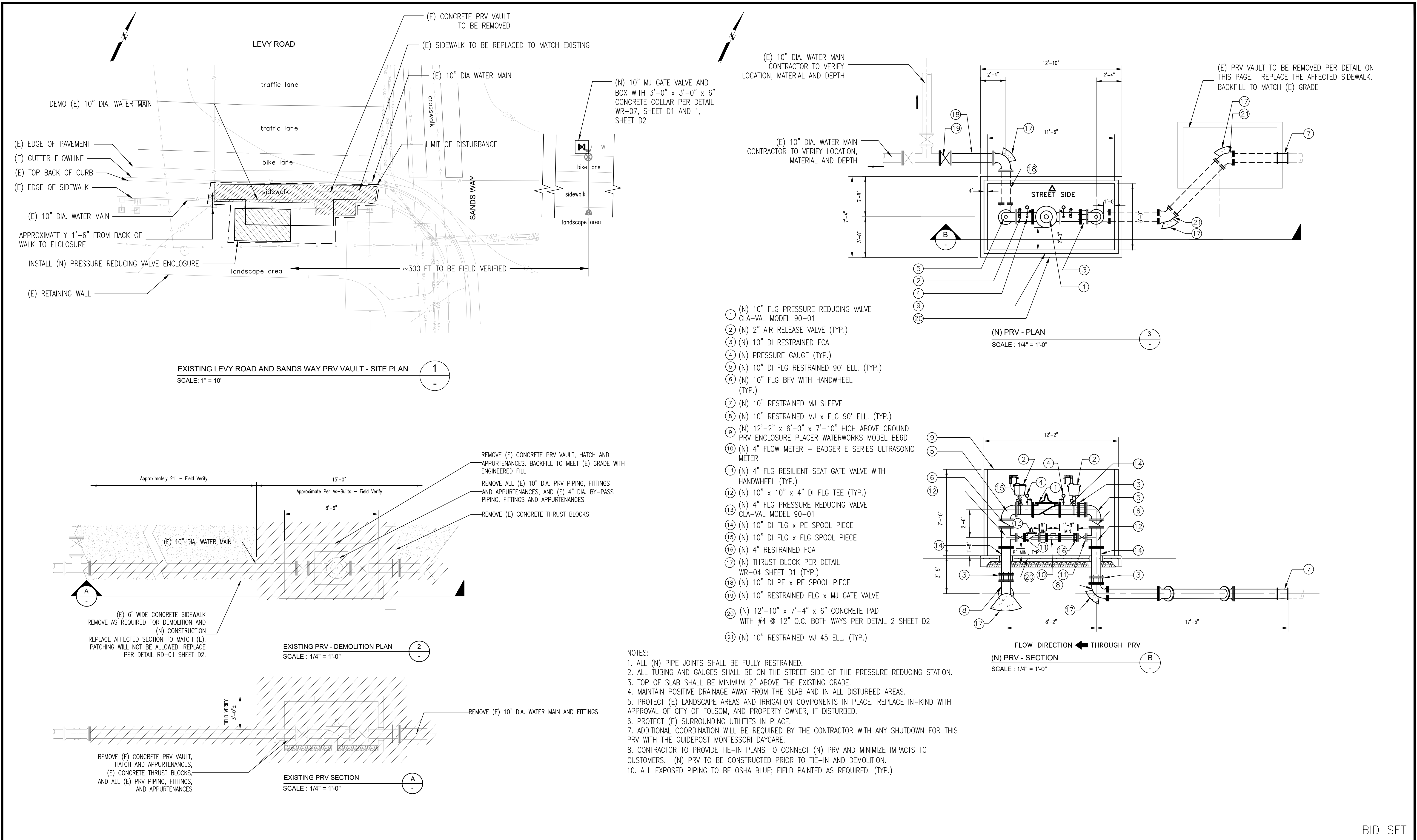
CITY OF FOLSOM FLOW CONTROL FACILITIES REHABILITATION PROJECT
SCHEIDEGGER CIRCLE AND MEREDITH WAY PRV PLANS AND SECTION

BID SET

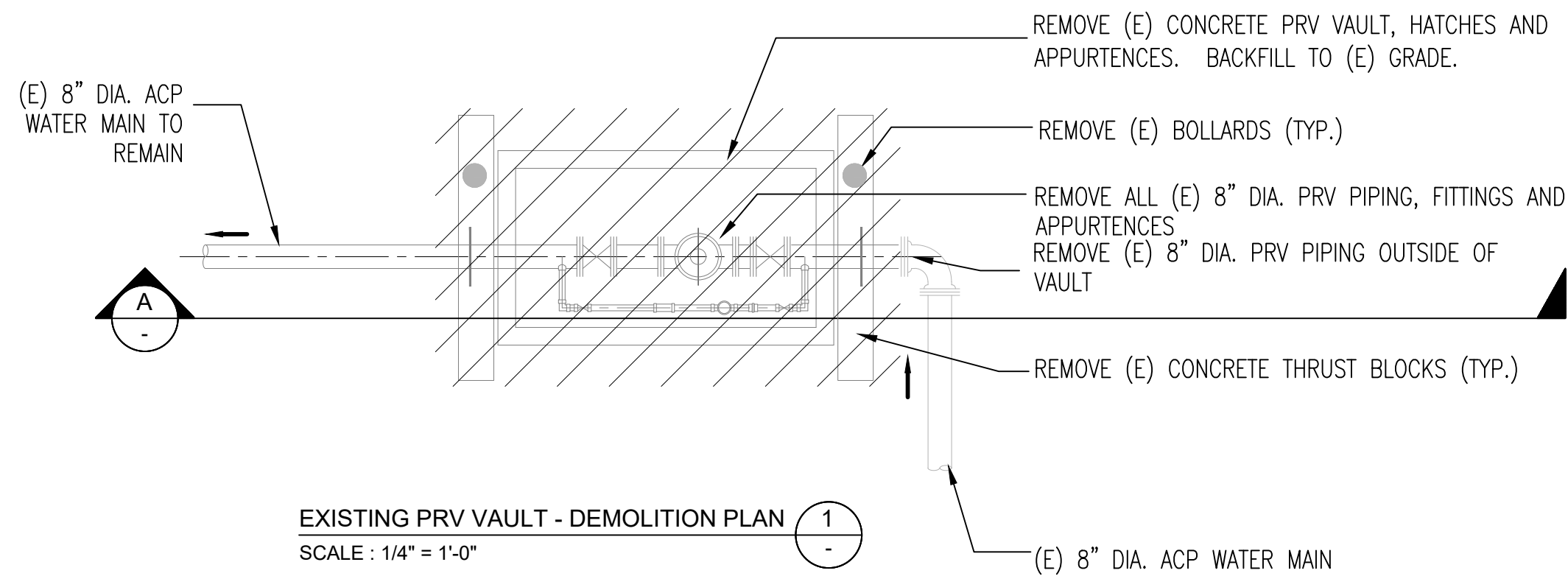
SHEET

M3

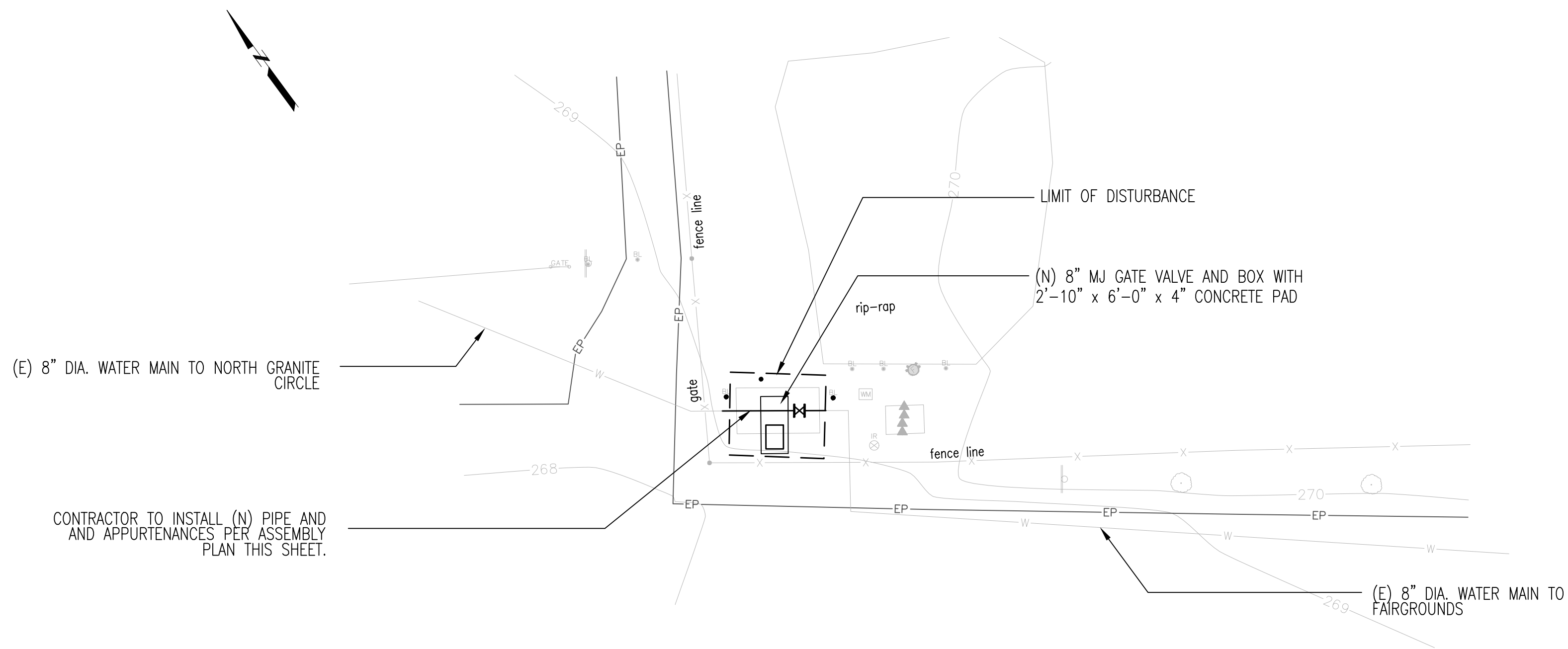
SHEET 5 OF 12



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				DATE: JULY 2025		IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE.		DRAWN <u>DG/LAH</u>								PROJECT ENGINEER _____ R.C.E. NO. _____ EXP. DATE _____		LEVY ROAD AND SANDS WAY PRV PLANS AND SECTION	
REV	DATE	BY	DESCRIPTION	JULY 2025				CHECKED <u>KBB</u>		KARL BRUSTAD PROJECT MANAGER		57869 R.C.E. NO.		06/30/26 EXP. DATE				SHEET 6 OF 12	

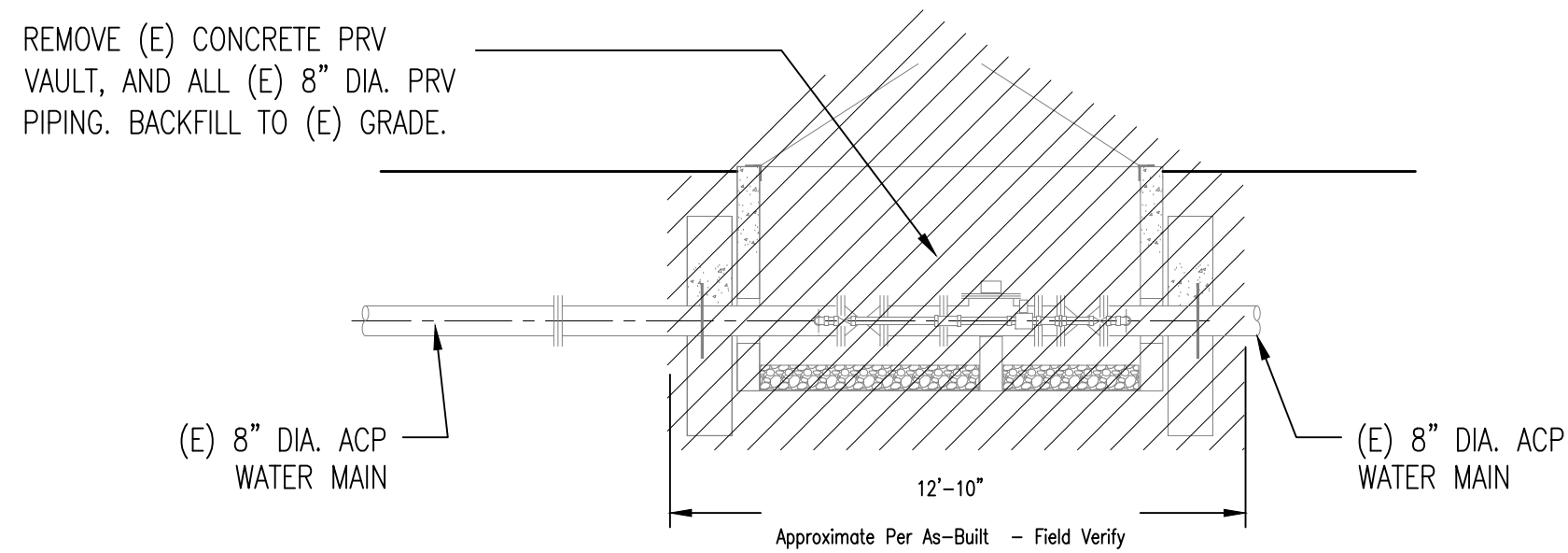


EXISTING PRV VAULT - DEMOLITION PLAN 1
SCALE : 1/4" = 1'-0"

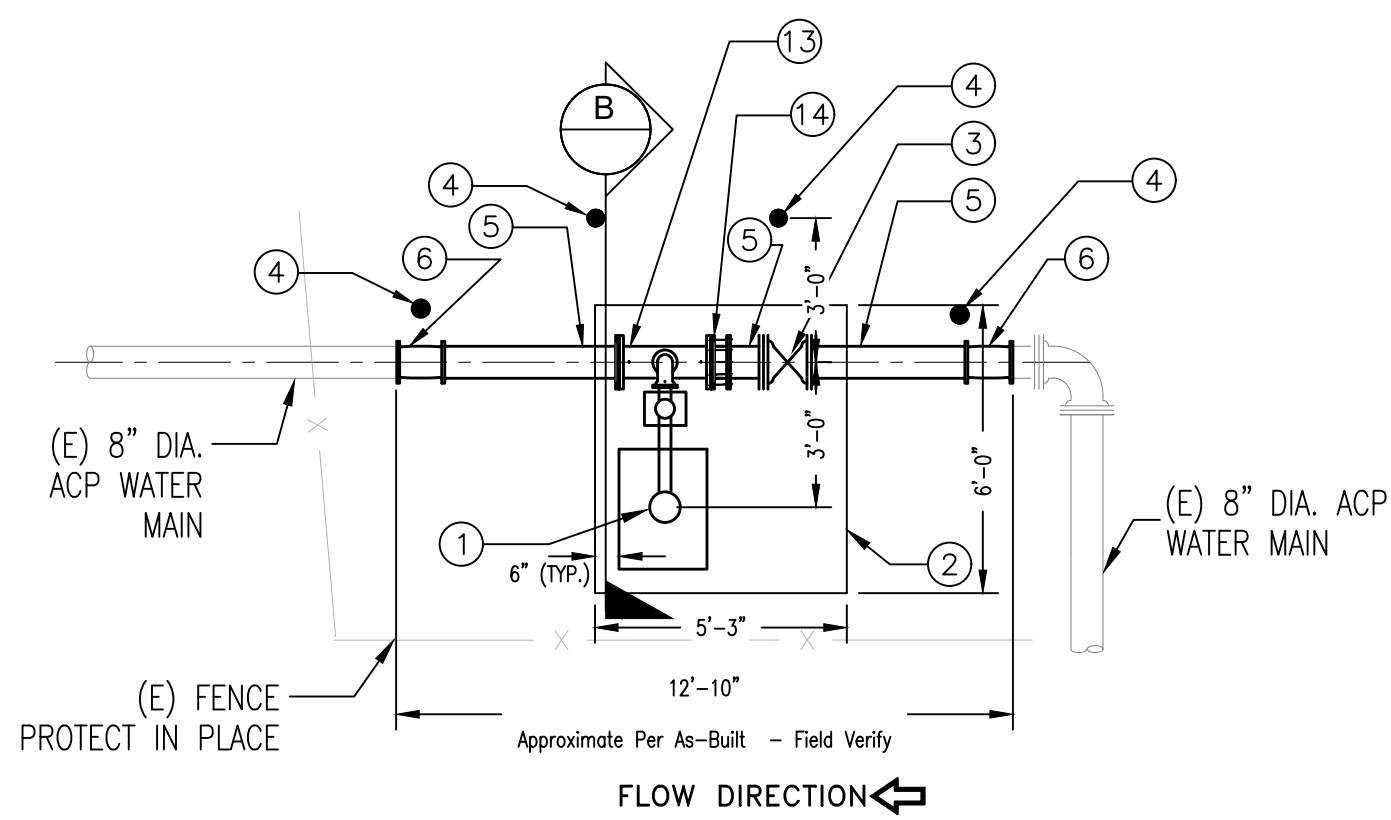


FOLSOM RODEO GROUNDS PRV VAULT - SITE PLAN 2
SCALE: 1" = 10'-0"

- NOTES:
1. ALL (N) PIPE JOINTS SHALL BE FULLY RESTRAINED.
 2. TOP OF SLAB SHALL BE MINIMUM 2" ABOVE THE EXISTING GRADE.
 3. MAINTAIN POSITIVE DRAINAGE AWAY FROM THE SLAB AND IN ALL DISTURBED AREAS.
 4. ALL EXPOSED PIPING TO BE OSHA BLUE; FIELD PAINTED AS REQUIRED. (TYP.)
 5. WORK AT THIS PRV STATION SHALL NOT BE COMPLETED DURING THE FOLSOM RODEO OR THE FOLSOM RENAISSANCE FAIRE. THE DATES WILL BE PROVIDED FOLLOWING THE AWARD OF THE CONTRACT AND WHEN THE RODEO AND RENAISSANCE FAIRE DATES ARE ESTABLISHED.

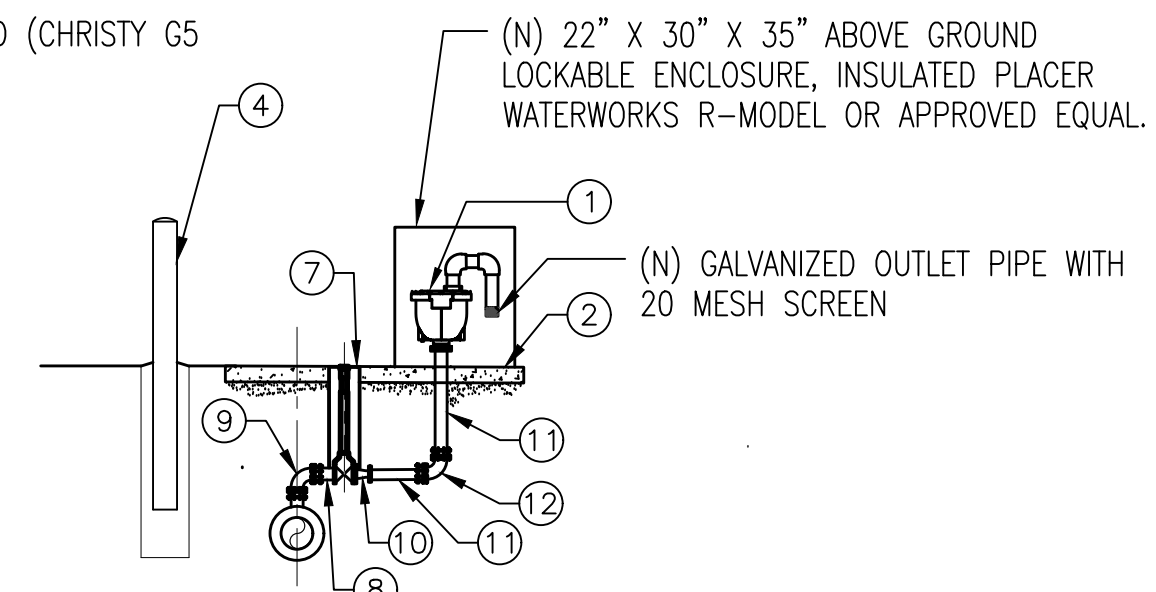


EXISTING PRV SECTION A
SCALE : 1/4" = 1'-0"



(N) ARV ASSEMBLY - PLAN 3
SCALE : 1/4" = 1'-0"

- 1 (N) 2" SINGLE BODY COMBINATION AIR/VACUUM RELEASE VALVE, WITH SNORKEL. APCO 140C SERIES OR APPROVED EQUAL
- 2 (N) 5'-3" x 6'-0" x 4" CONCRETE PAD
- 3 (N) 8" MJ GATE VALVE AND BOX WITH TRAFFIC LID (CHRISTY G5 OR EQUAL PER WR-07 SHEET D1)
- 4 (N) GUARD POST BARRICADE PER DETAIL 6 SHEET D3
- 5 (N) 8" FLG x PE DI SPOOL PIECE LENGTH TO BE VERIFIED BY CONTRACTOR (TYP.)
- 6 (N) 8" DIA. MJ SLEEVE (TYP.)
- 7 (N) 4" FLG. GATE VALVE AND BOX WITH TRAFFIC (CHRISTY G5 OR EQUAL) PER WR-07 SHEET D1)
- 8 (N) 4" FLG x PE DI SPOOL PIECE LENGTH TO BE VERIFIED BY CONTRACTOR (TYP.)
- 9 (N) 4" FLG. 90° ELL.
- 10 (N) 4" x 3" FLG. REDUCER
- 11 (N) 3" FLG x PE DI SPOOL PIECE LENGTH TO BE VERIFIED BY CONTRACTOR (TYP.)
- 12 (N) 3" FLG. 90° ELL.
- 13 (N) 8" x 8" x 4" FLG TEE
- 14 (N) 8" DI RESTRAINED FCA



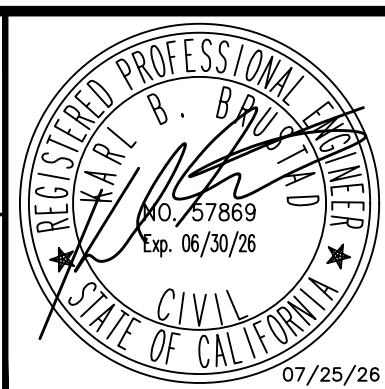
(N) ARV ASSEMBLY - SECTION B
SCALE : 1/4" = 1'-0"

REV	DATE	BY	DESCRIPTION

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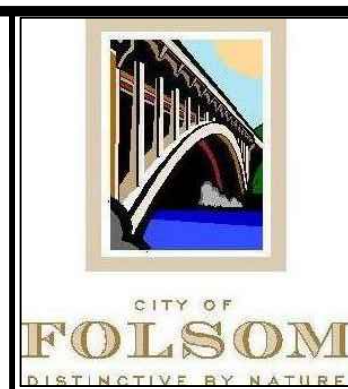
DESIGNED	AA
DRAWN	DG/LAH
CHECKED	KBB

PROJECT ENGINEER	R.C.E. NO.	EXP. DATE
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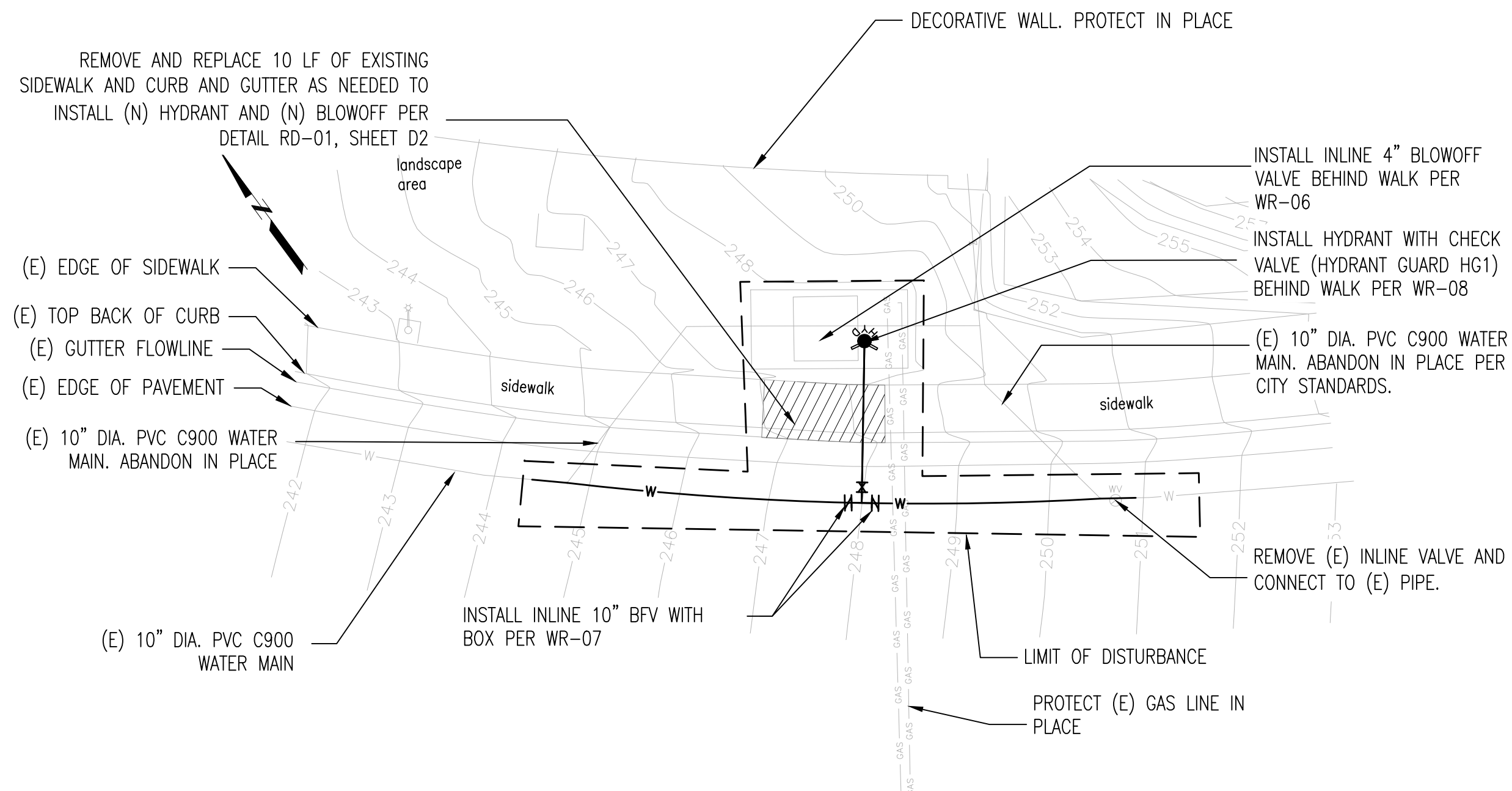
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A Verdantas Company

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Folsom, CA 95630
PH. 916-608-2212



CITY OF FOLSOM
FLOW CONTROL FACILITIES REHABILITATION PROJECT

**FOLSOM RODEO GROUNDS
PRV DEMOLITION PLANS AND SECTIONS**



2

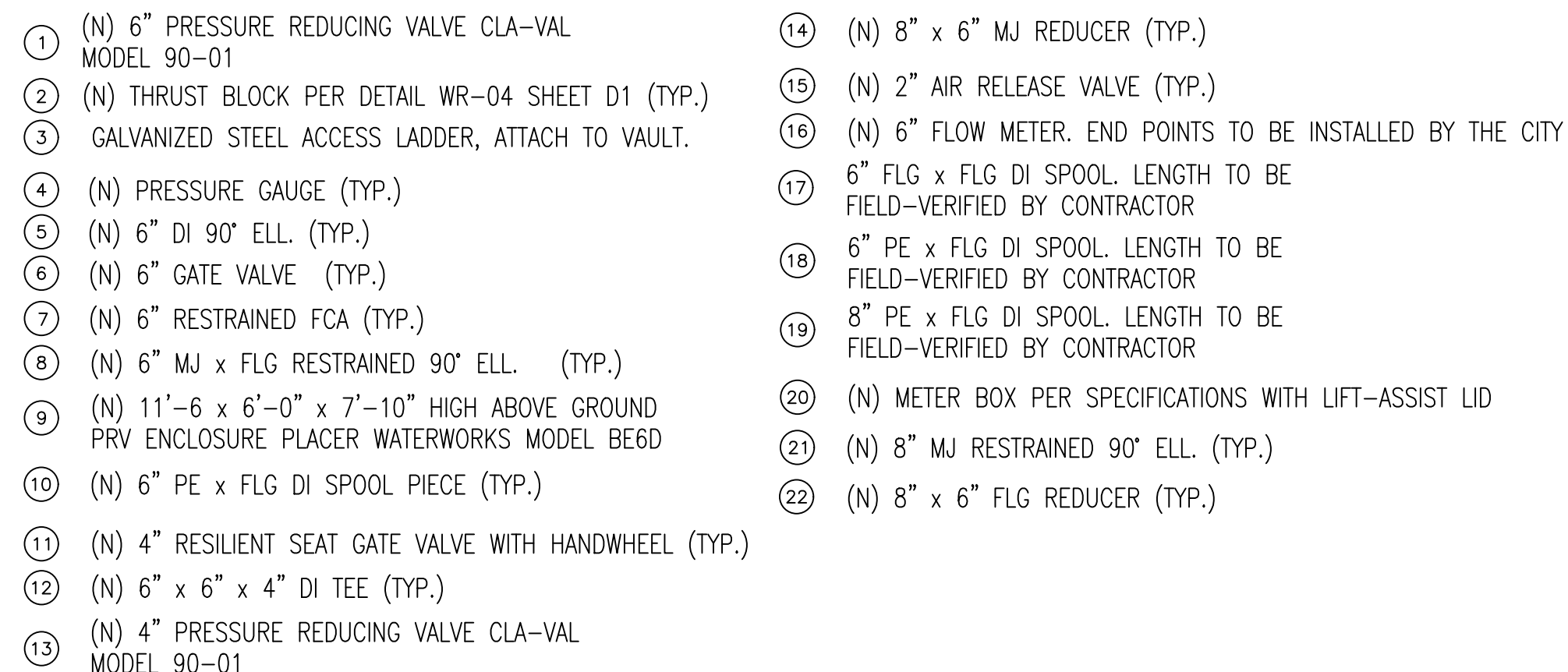
SCALE: 1" = 10'

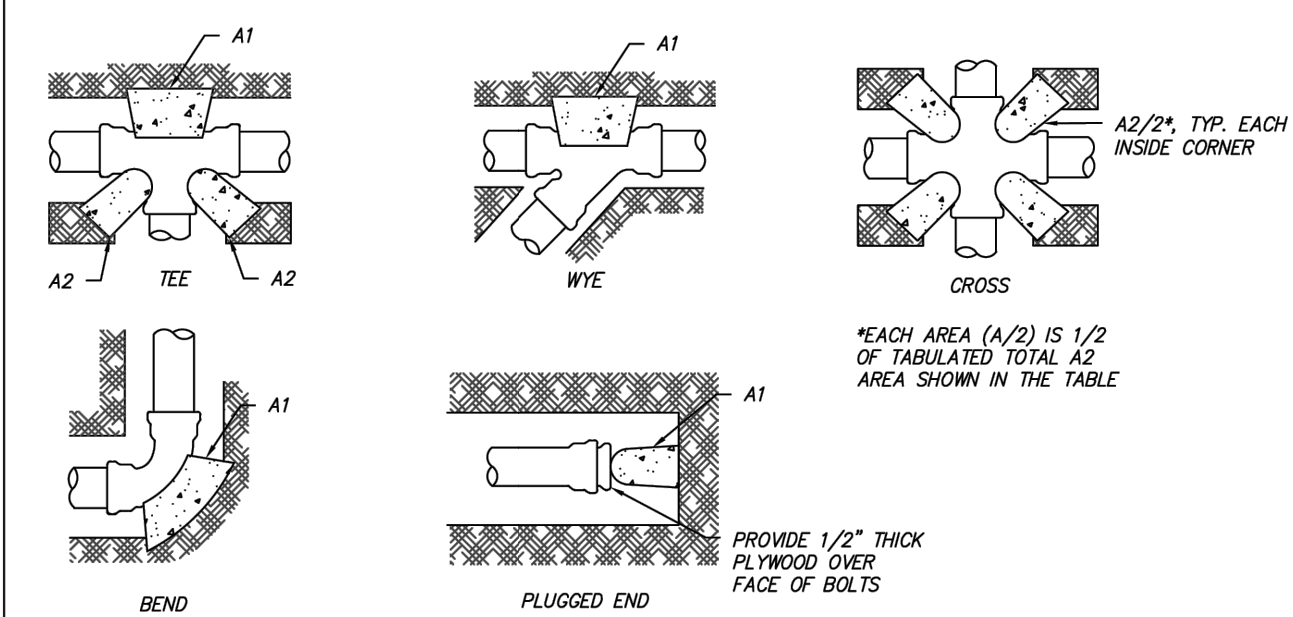
NOTES:

1. MAINTAIN POSITIVE SLOPE IN ALL AREAS.
2. GRADE TO MATCH SURROUNDING GROUND.
3. REPLACE GROUND COVER IN KIND.
4. RESTORE DISTURBED SIDEWALK PER DETAIL RD-01 SHEET D2
5. PROTECT (E) ADJACENT DECORATIVE WALLS
6. ALL JOINTS SHALL BE RESTRAINED



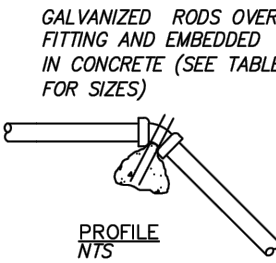
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THRUST BLOCK NOTES

- REGARDLESS OF PLUGS, THROUGH RUNS, ETC., ALL TEES AND CROSSES ARE TO BE RESTRAINED AS SHOWN IN THIS DETAIL.
- THIS DETAIL TO BE USED FOR ALL CUT-IN TEES, CROSSES, ETC.
- THIS DETAIL SHALL BE USED WHERE RESTRAINT LENGTH REQUIRED FOR MECHANICAL JOINT RESTRAINT CANNOT BE ACHIEVED DUE TO INSUFFICIENT PIPE LENGTH.
- THRUST BLOCKS ARE TO BE CONSTRUCTED OF CLASS B CONCRETE. CONCRETE IS TO BE CLEAR OF JOINT AND JOINT ACCESSORIES.
- CONCRETE THRUST BLOCKING SHALL BE POURED AGAINST UNDISTURBED EARTH OR ENGINEERED SOIL AND HAVE A MINIMUM COMPRESSIVE STRENGTH OF 2,000 PSI.
- REQUIRED VOLUMES OR BEARING AREAS AT FITTINGS SHALL BE AS INDICATED, ADJUSTED, IF NECESSARY, TO CONFORM TO THE TEST PRESSURE(S) AND ALLOWABLE SOIL BEARING STRESS(ES) FOR SPECIFIC SITE CONDITIONS.
- THRUST BLOCK VOLUMES FOR VERTICAL BENDS HAVING UPWARD RESULTANT THRUSTS ARE BASED ON TEST PRESSURE OF 150 PSIG AND THE WEIGHT OF CONCRETE = 4050 LBS/CU YD. TO COMPUTE VOLUMES FOR DIFFERENT TEST PRESSURES, USE THE FOLLOWING EQUATION: VOLUME = (TEST PRESS./150) x (TABLE VALUE).
- BEARING AREAS FOR HORIZONTAL BEND THRUST BLOCKS ARE BASED ON TEST PRESSURE OF 150 PSIG AND AN ALLOWABLE SOIL BEARING STRESS OF 1,500 LBS/SQ FT. TO COMPUTE BEARING AREAS FOR DIFFERENT TEST PRESSURES AND SOIL BEARING STRESSES, USE THE FOLLOWING EQUATION: BEARING AREA = (TEST PRESSURE/150) x (1,500/SOIL BEARING STRESS) x (TABLE VALUE).
- THRUST BLOCKS FOR VERTICAL BENDS HAVING DOWNWARD RESULTANT THRUSTS SHALL BE THE SAME AS FOR HORIZONTAL BENDS.
- BEARING AREA OF THRUST BLOCK SHALL NOT BE LESS THAN 1.0 SQ FT.
- VERTICAL BENDS THAT REQUIRE A THRUST BLOCK VOLUME EXCEEDING 5 CUBIC YARDS REQUIRE SPECIAL BLOCKING DETAILS. SEE DRAWINGS FOR VOLUMES SHOWN TO LEFT OF SOLID LINE IN TABLE.
- THRUST BLOCKS MAY BE REQUIRED IN CASES NOT SHOWN ON THIS DETAIL.
- WHEN INLINE VALVES ARE INSTALLED TO EXISTING PIPING, THRUST RESTRAINT ON EACH SIDE OF THE VALVE MUST BE DETAILED AND CALCULATED BY THE DESIGNER.
- WHEN HOT-TAPS ARE INSTALLED ON EXISTING PIPING, THRUST RESTRAINT MUST BE CALCULATED AND DETAILED BY THE DESIGNER.



GALVANIZED RODS OVER FITTING AND EMBEDDED IN CONCRETE (SEE TABLE FOR SIZES)

BEARING AREA OF THRUST BLOCKS IN 50 FT (HORIZONTAL BENDS)				
FITTING SIZE	TEE, WYE, 90 DEGREE BEND, PLUGGED END, OR PLUGGED TEE/CROSS	BEND ANGLE (DEGREES)		
	A1	A2	45°	22 1/2° 11 1/4°
4	2.5	1.9	1.3	—
6	5.7	4.0	2.1	1.3
8	10.1	7.2	3.9	2.0
10	15.7	11.2	6.1	3.2
12	22.7	16.0	8.8	4.5
14	30.7	18.3	11.9	6.1
16	40.0	21.3	15.5	8.0
18	50.7	27.0	19.5	10.1
20	62.7	33.3	24.1	12.5
24	90.7	48.0	34.9	18.1

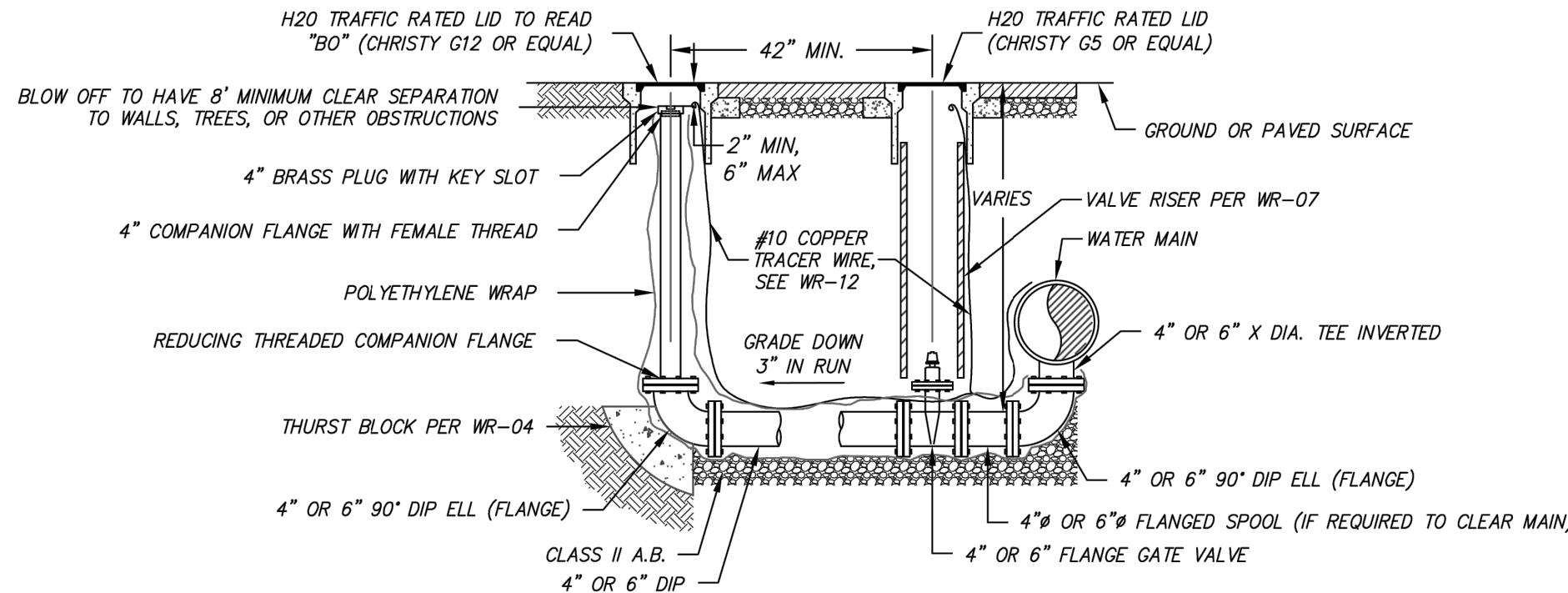
FITTING SIZE	ROD SIZE	EMBEDMENT
12" & LESS	#6	30"
14" - 16"	#8	36"

CITY OF FOLSOM

THRUST BLOCK BEARING AREA

SCALE: NONE
DATE: JANUARY 2024

WR-04



NOTES:

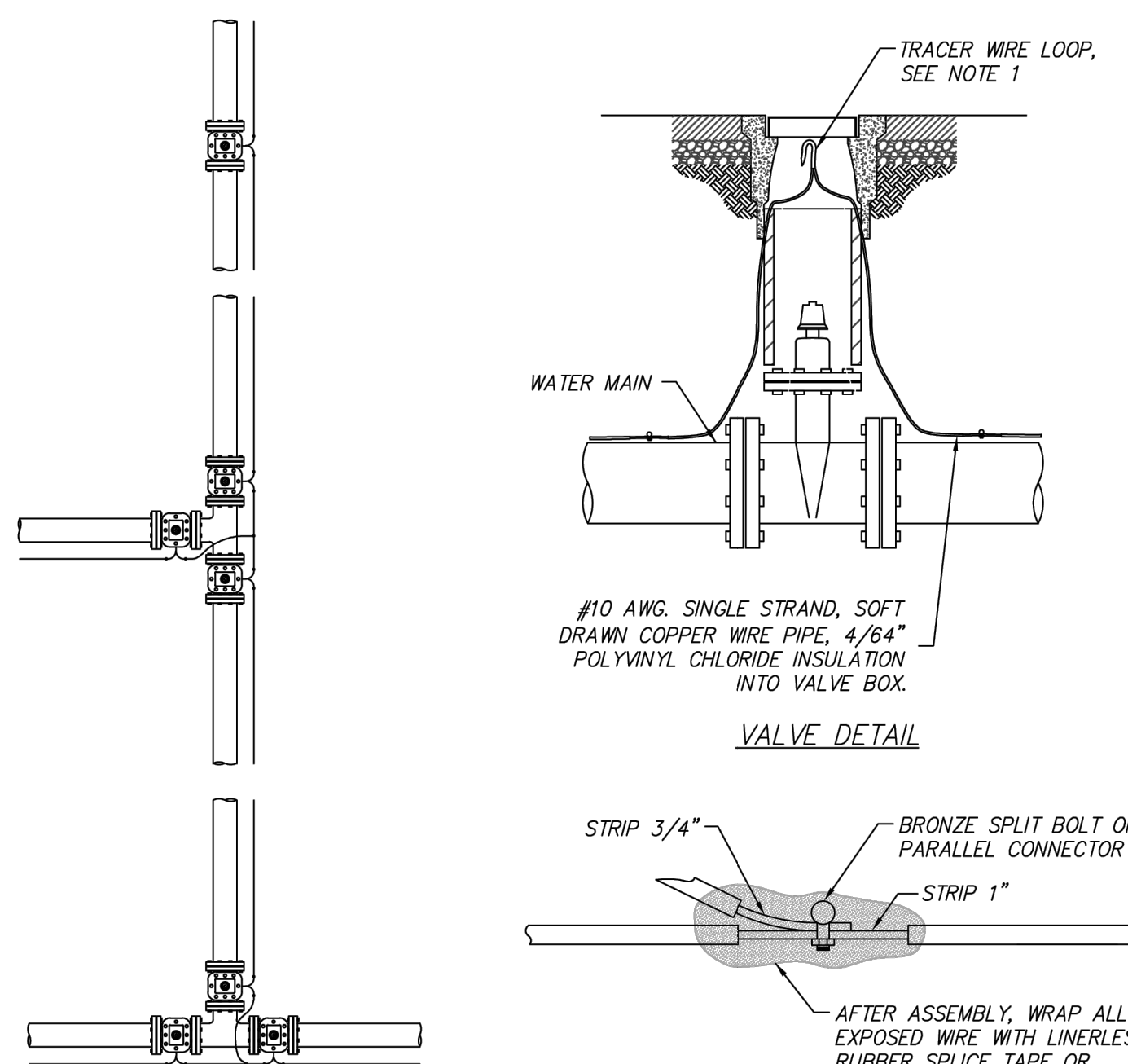
- DOUBLE WRAPPED, 8 MIL POLYETHYLENE REQUIRED.
- PUSH-ON JOINTS ARE ACCEPTABLE IF JOINT RESTRAINT IS PROVIDED.
- INSTALL TRACER WIRE PER CITY STANDARDS.
- FITTINGS FROM END OF MAIN SHALL BE DIP.
- BLOW-OFF TO BE USED FOR FUTURE LOADING AND TESTING.
- ALL METALLIC PIPE AND FITTINGS SHALL BE WRAPPED PER CITY CONSTRUCTION SPECIFICATIONS.
- CUL-DE-SAC BLOW-OFFS SHALL BE FIRE HYDRANT ONLY. REDUCE WATER MAIN TO 6" AFTER LAST WATER SERVICE.
- IF A 6" BLOW-OFF IS REQUIRED, THE INSTALLATION OF A FIRE HYDRANT SHALL SERVE AS THE BLOW-OFF ASSEMBLY AND SHALL BE CONSTRUCTED AS SHOWN ON WR-08.

CITY OF FOLSOM

4" AND 6" IN-LINE BLOW-OFF VALVE ASSEMBLY

SCALE: NONE
DATE: JANUARY 2023

WR-06



NOTES:

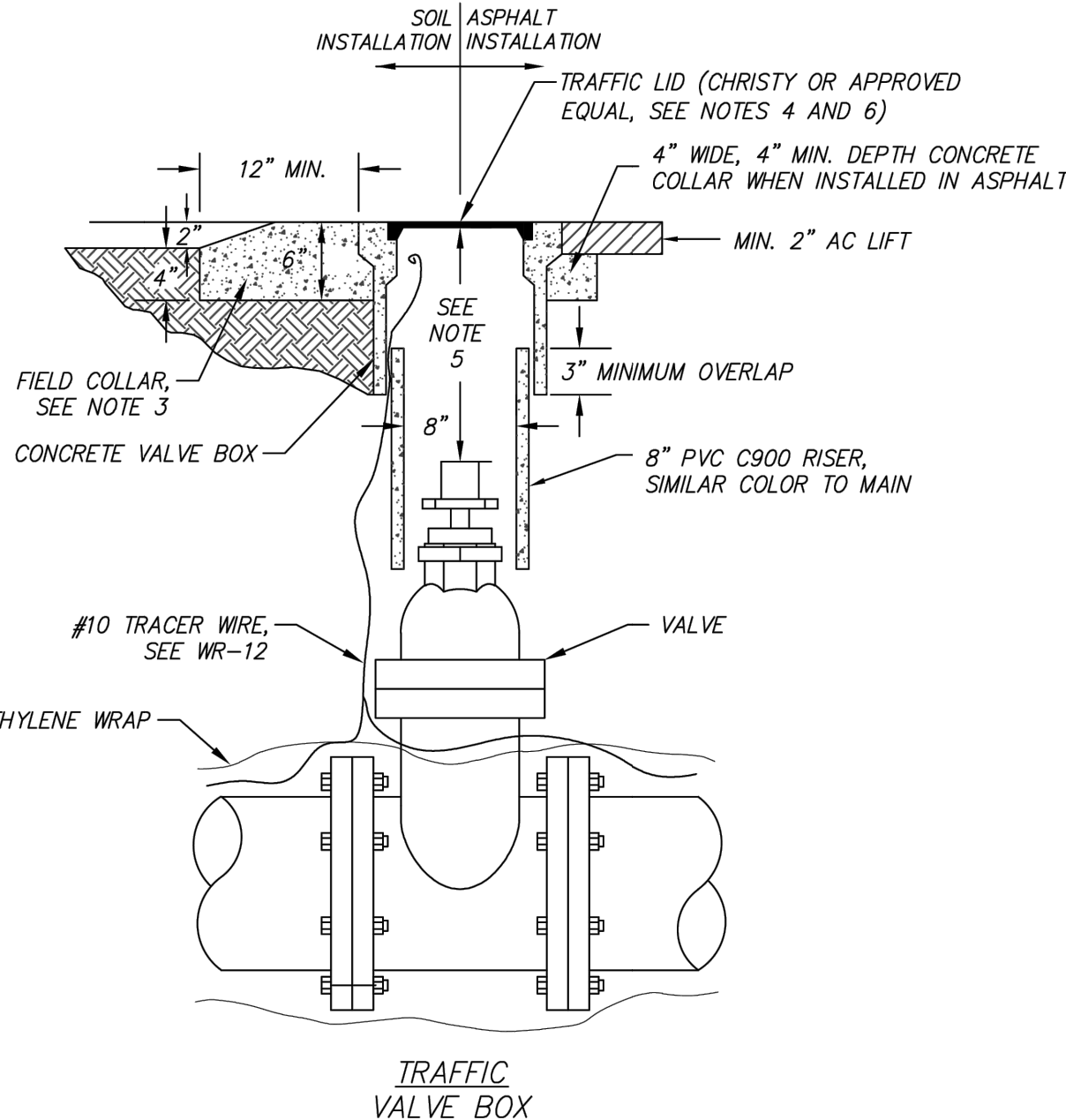
- #10 INSULATED COPPER WIRE TO BE CONTINUOUS BETWEEN VALVE BOXES, EXCEPT AS NOTED. TRACER WIRE SHALL HAVE MIN. 12" EXCESS LOOP LOCATED INSIDE THE METER/VALVE BOX. CONTRACTOR SHALL CONDUCT A CONTINUITY TEST ON ALL SPLICES.
- SITE INSPECTOR WILL PERFORM CONTINUITY TEST ON THE ENTIRE TRACER WIRE SYSTEM PRIOR TO ACCEPTANCE.
- BARE WIRE MUST NOT TOUCH VALVES OR FITTINGS.
- LOCATING WIRE TO BE PLACED ON TOP OF PIPE AND TAPED WITH 10 MIL VINYL TAPE EVERY 5'.
- SOLDERING SHALL BE PERFORMED WHEN REQUESTED BY THE CITY ENGINEER.

CITY OF FOLSOM

LOCATING WIRE FOR WATER MAINS

SCALE: NONE
DATE: JANUARY 2024

WR-12



NOTES:

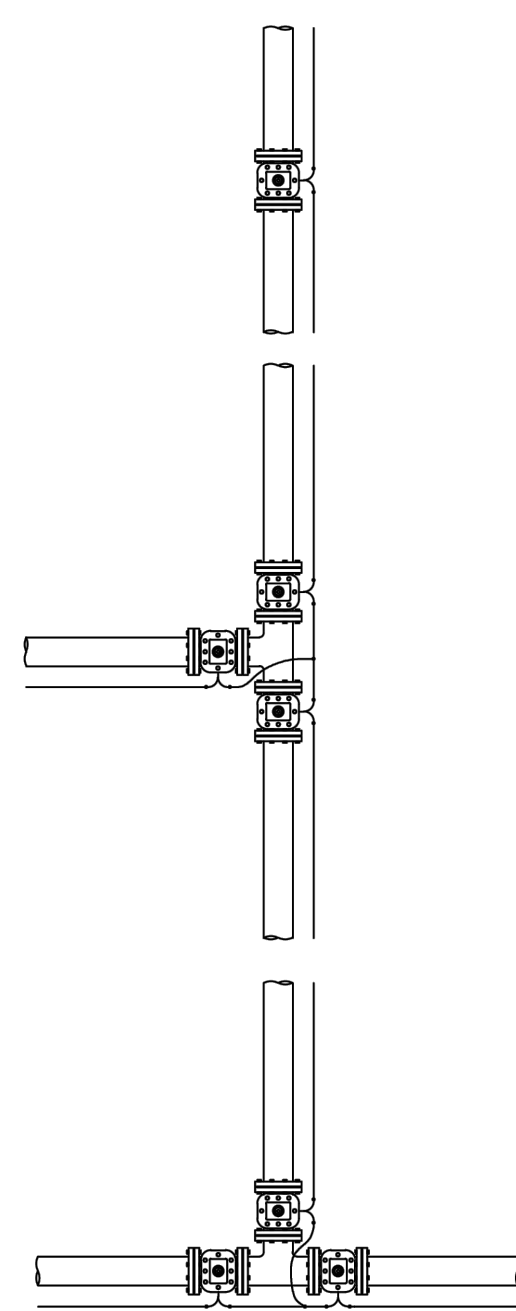
- SET VALVE BOX TO FINAL FINISHED GRADE. WHERE THE FINISHED GRADE HAS NOT BEEN DEFINED, PLACE 4 x 4 LOCATING POST PAINTED BLUE, WITHIN 1' OF VALVE BOX. POST SHALL BE 6' IN LENGTH AND BURIED 3'.
- VALVE BOX AND RISER TO BE SET PLUMB AND CENTERED OVER WATER VALVE NUT.
- WHEN INSTALLED IN SOIL OR UNFINISHED AREAS, BOX SHALL HAVE A FIELD COLLAR AND SHALL BE 6" TOTAL DEPTH WITH 2" ABOVE GRADE AND EXTEND A MINIMUM 1' BEYOND THE OUTSIDE DIAMETER OF THE VALVE BOX.
- POTABLE WATER VALVES SHALL USE CHRISTY G-05 OR APPROVED EQUAL, NON-POTABLE VALVES SHALL USE TRIANGULAR CHRISTY G-04 OR APPROVED EQUAL.
- OPERATING NUT OF THE VALVE MUST BE SET FROM 18" MIN. TO 5' MAX. FROM THE TOP OF THE VALVE BOX. IF VALVE MUST BE SET SUCH THAT THE NUT IS LOWER THAN 5' FROM THE TOP OF BOX, OPERATOR EXTENSIONS WILL BE REQUIRED. PRESSURE ZONE SHALL BE WELDED ONTO THE VALVE BOX FRAME. NAMEPLATE TAGS ARE NOT AN ACCEPTABLE ALTERNATIVE TO FRAME WELDS. PRESSURE ZONE SHALL BE LABELED AS FOLLOWS:
- POTABLE PRESSURE ZONE LABELS: PZ-1, PZ-2, PZ-3, PZ-4, PZ-5, PZ-6
- NON-POTABLE PRESSURE ZONE LABELS: NPZ-1, NPZ-2, NPZ-3, NPZ-4, NPZ-5, NPZ-6

CITY OF FOLSOM

WATER VALVE RISER AND BOX

SCALE: NONE
DATE: JANUARY 2023

WR-07



NOTES:

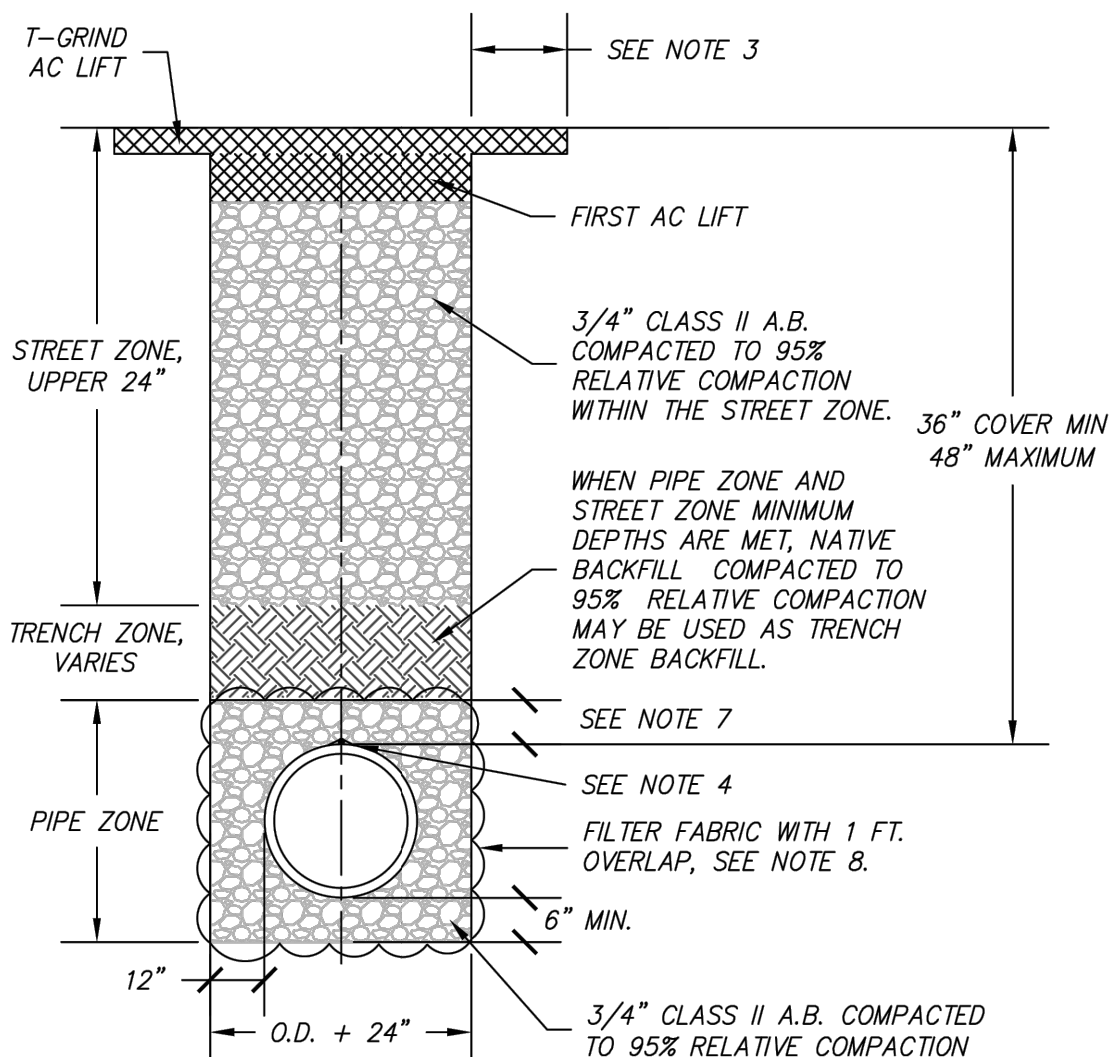
- #10 INSULATED COPPER WIRE TO BE CONTINUOUS BETWEEN VALVE BOXES, EXCEPT AS NOTED. TRACER WIRE SHALL HAVE MIN. 12" EXCESS LOOP LOCATED INSIDE THE METER/VALVE BOX. CONTRACTOR SHALL CONDUCT A CONTINUITY TEST ON ALL SPLICES.
- SITE INSPECTOR WILL PERFORM CONTINUITY TEST ON THE ENTIRE TRACER WIRE SYSTEM PRIOR TO ACCEPTANCE.
- BARE WIRE MUST NOT TOUCH VALVES OR FITTINGS.
- LOCATING WIRE TO BE PLACED ON TOP OF PIPE AND TAPED WITH 10 MIL VINYL TAPE EVERY 5'.
- SOLDERING SHALL BE PERFORMED WHEN REQUESTED BY THE CITY ENGINEER.

CITY OF FOLSOM

LOCATING WIRE FOR WATER MAINS

SCALE: NONE
DATE: JANUARY 2024

WR-12



NOTES:

- MATCH EXISTING A.C. THICKNESS: 4" MINIMUM.
- SAW CUT 12" BEYOND THE WIDTH OF THE TRENCH.
- T-GRIND REQUIRED FOR ALL PAVEMENTS (12" MINIMUM WIDTH); 1 1/2" DEEP GRIND AND PAVE TO THE LIP OF GUTTER, LANE LINE, OR CENTER OF ADJACENT TRAFFIC LANE (WHICHEVER IS APPLICABLE).
- #10 TRACER WIRE. CONNECT SERVICE LATERAL TRACER WIRE TO MAIN LINE TRACER WIRE PER WR-12 AND CITY STANDARDS.
- BACKFILL SHALL BE MECHANICALLY CONSOLIDATED AND SHOVEL SLICED UNDER THE HAUNCHES OF THE PIPE. SEE CITY SPECIFICATIONS FOR BACKFILL AND COMPACTION REQUIREMENTS.
- 6" WIDE (MINIMUM) BLUE MARKING TAPE, 12" ABOVE PIPE. TAPE SHOULD READ "BURIED WATER MAIN".
- PIPE ZONE COVER OVER THE TOP OF WATER MAINS SHALL BE A MINIMUM OF 12".
- IN AREAS OF FLOWING GROUNDWATER, FILTER FABRIC SHALL BE PLACED AROUND THE PIPE ZONE BEDDING AND SHADING IN ACCORDANCE WITH THE ON-SITE GEOTECHNICAL ENGINEER, AS WELL AS METHODS FOR COLLECTING AND CONVEYING GROUNDWATER AWAY FROM UNDERGROUND ROADWAY AND INFRASTRUCTURE PER GEOTECHNICAL ENGINEER.

CITY OF FOLSOM

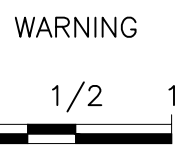
WATER SYSTEM PIPE BEDDING FOR MAINS AND SERVICES

SCALE: NONE
DATE: JANUARY 2024

WR-15

REV	DATE	BY	DESCRIPTION

SCALE:



DATE: JULY 2025

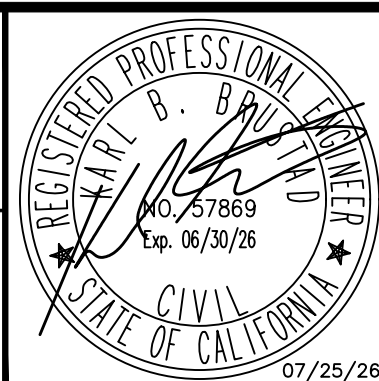
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DRAWN: DG/LAH

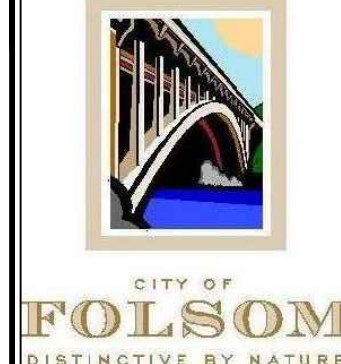
CHECKED: KBB

PROJECT ENGINEER: R.C.E. NO. EXP. DATE

KARL BRUSTAD
PROJECT MANAGER 57869 06/30/26
R.C.E. NO. EXP. DATE



80 Blue Ravine Rd. Suite 280
Folsom, CA 95630
PH. 916-608-2212



CITY OF FOLSOM
FLOW CONTROL FACILITIES REHABILITATION PROJECT

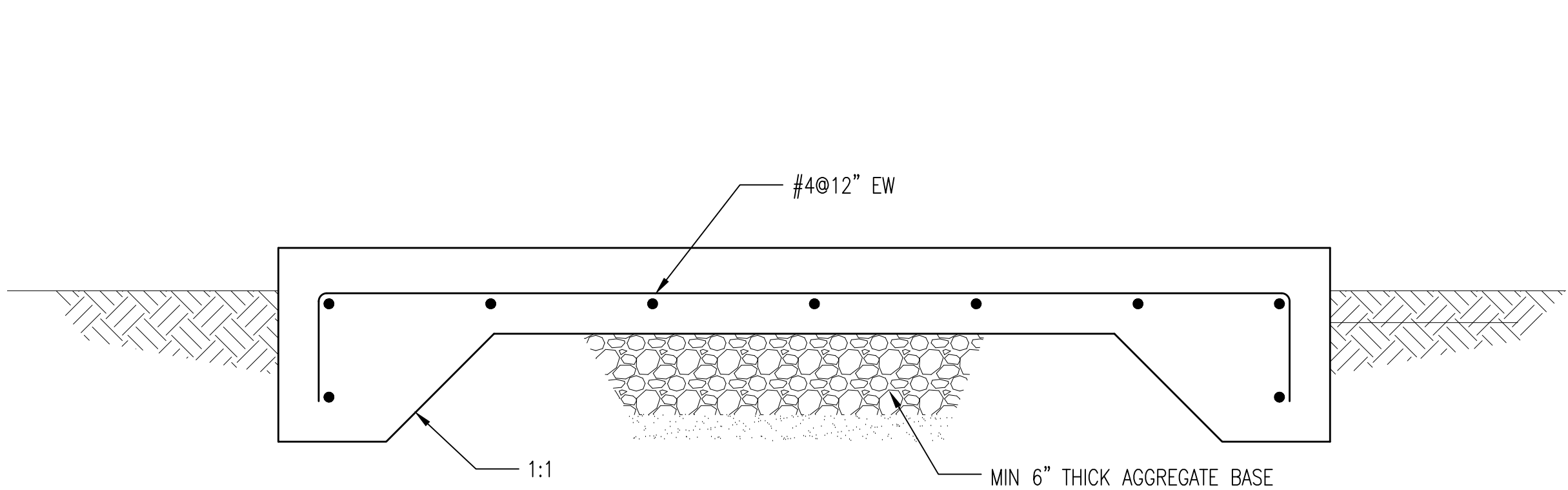
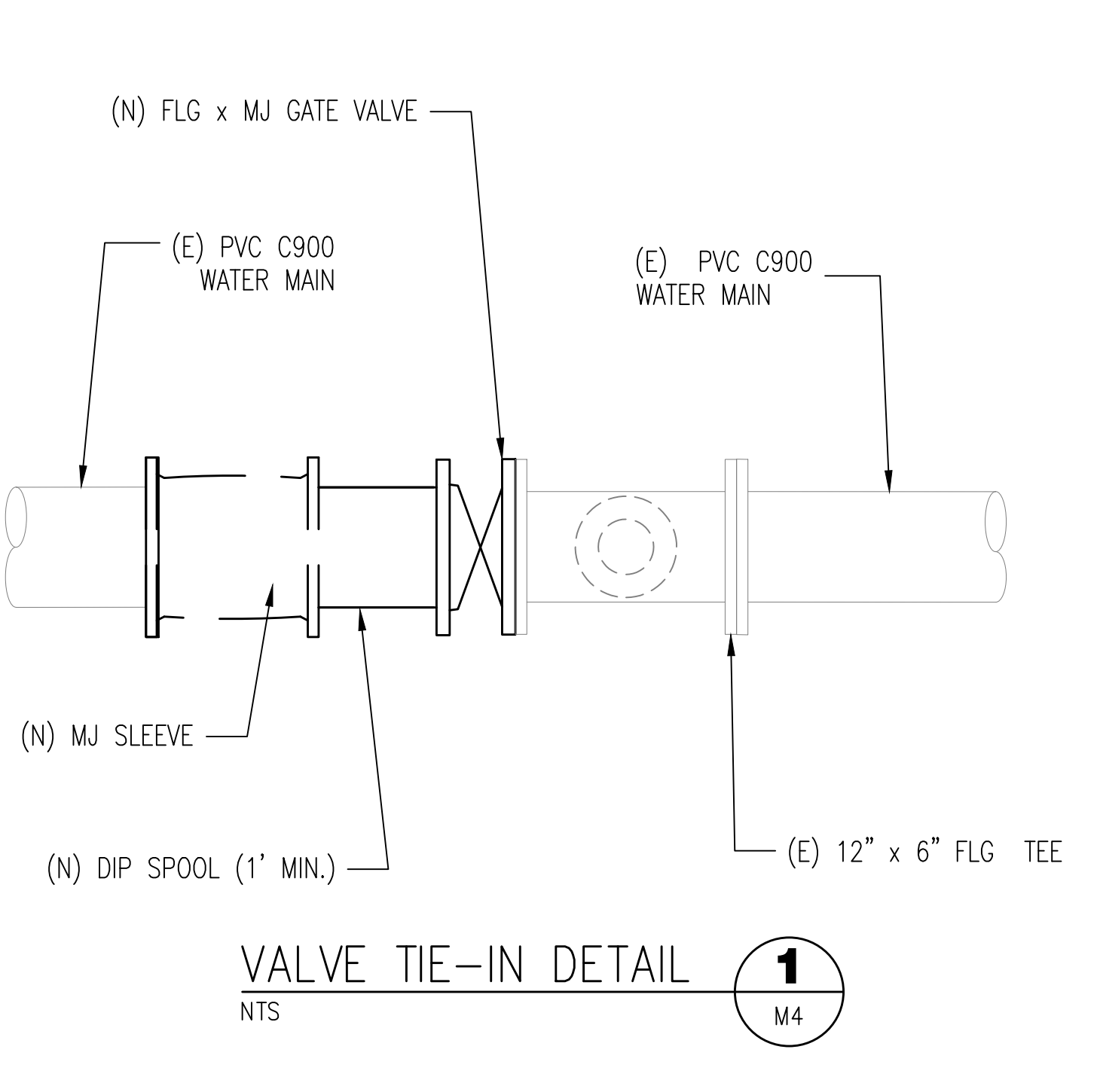
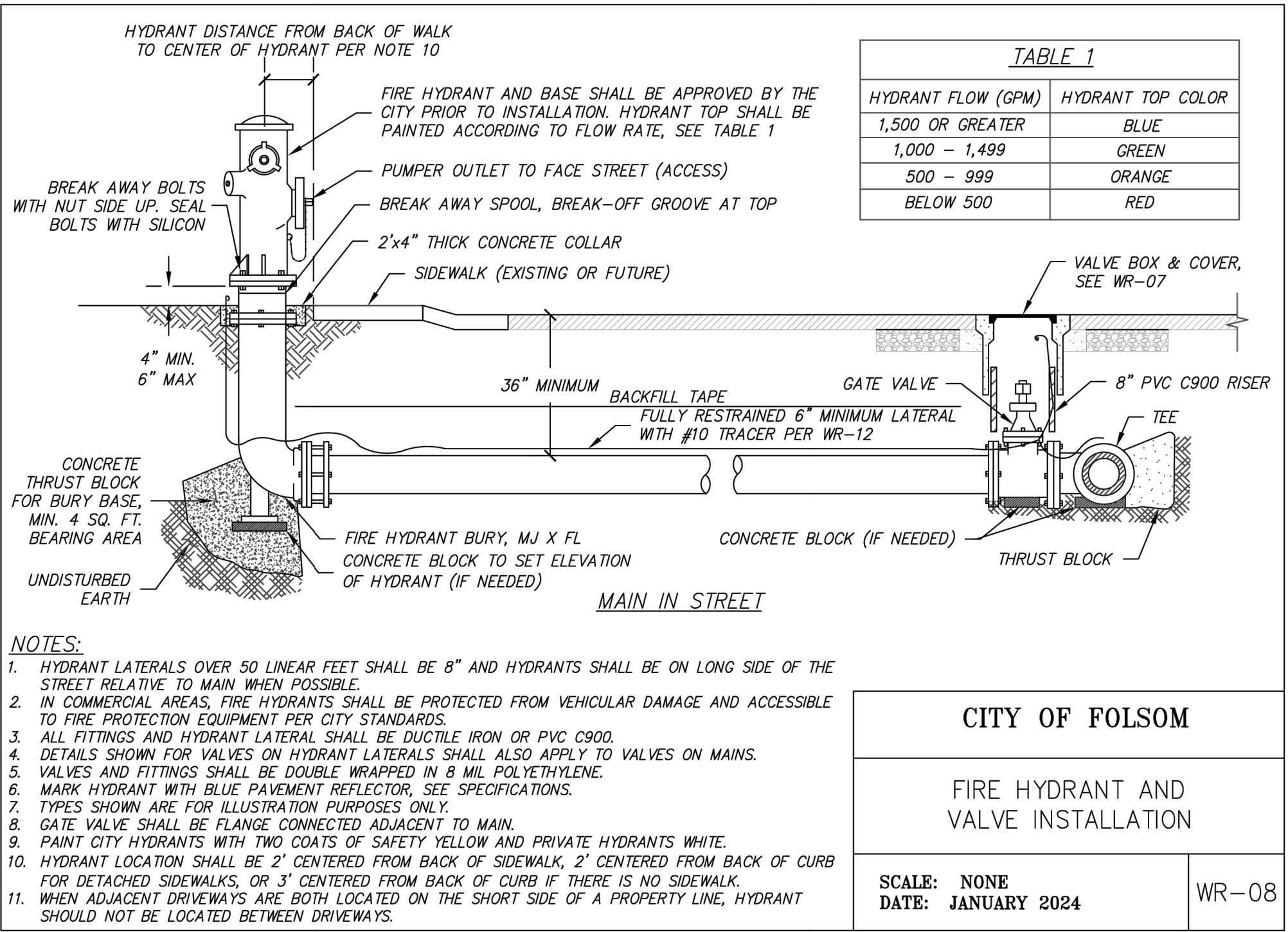
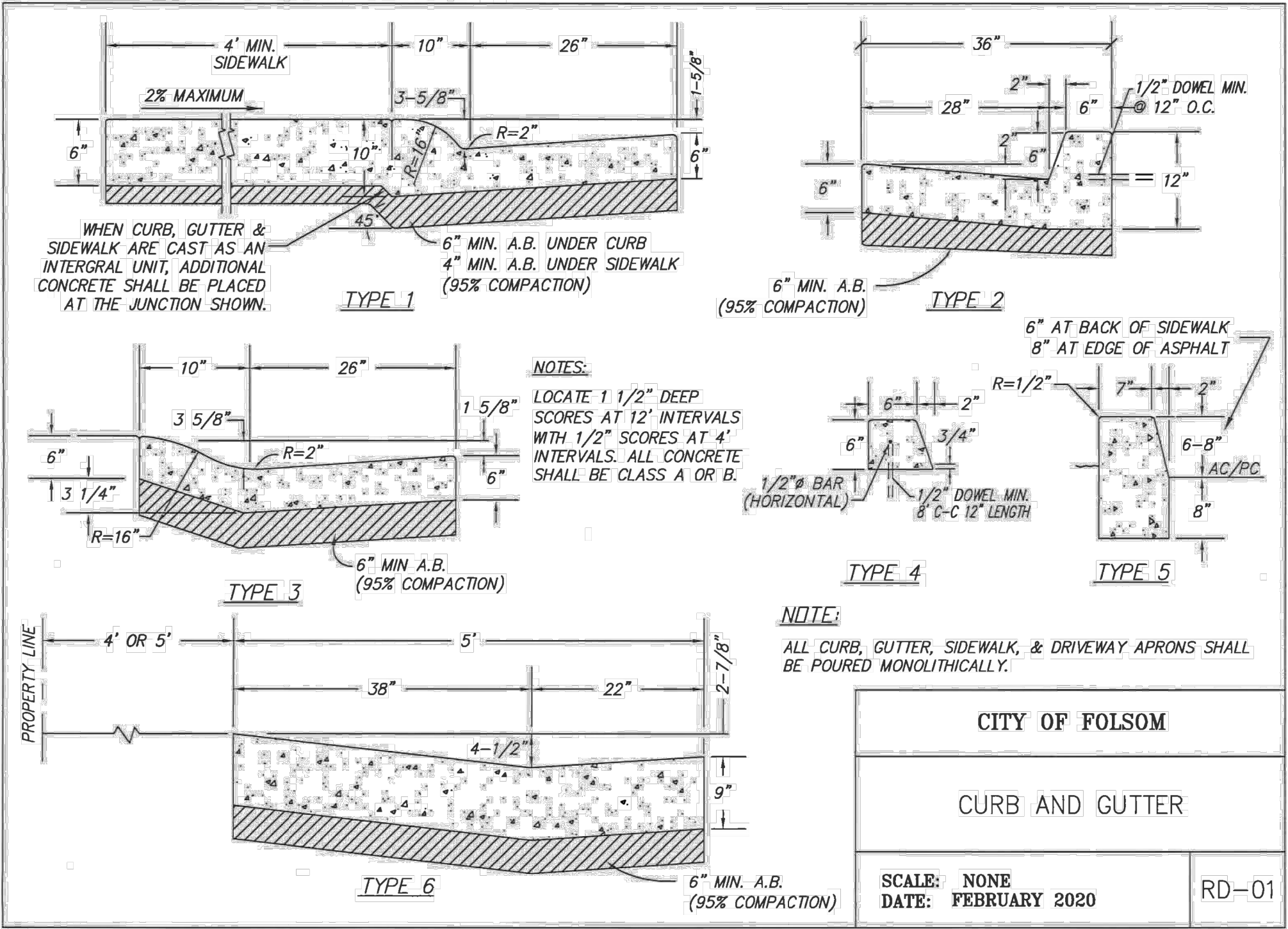
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SHEET

D1

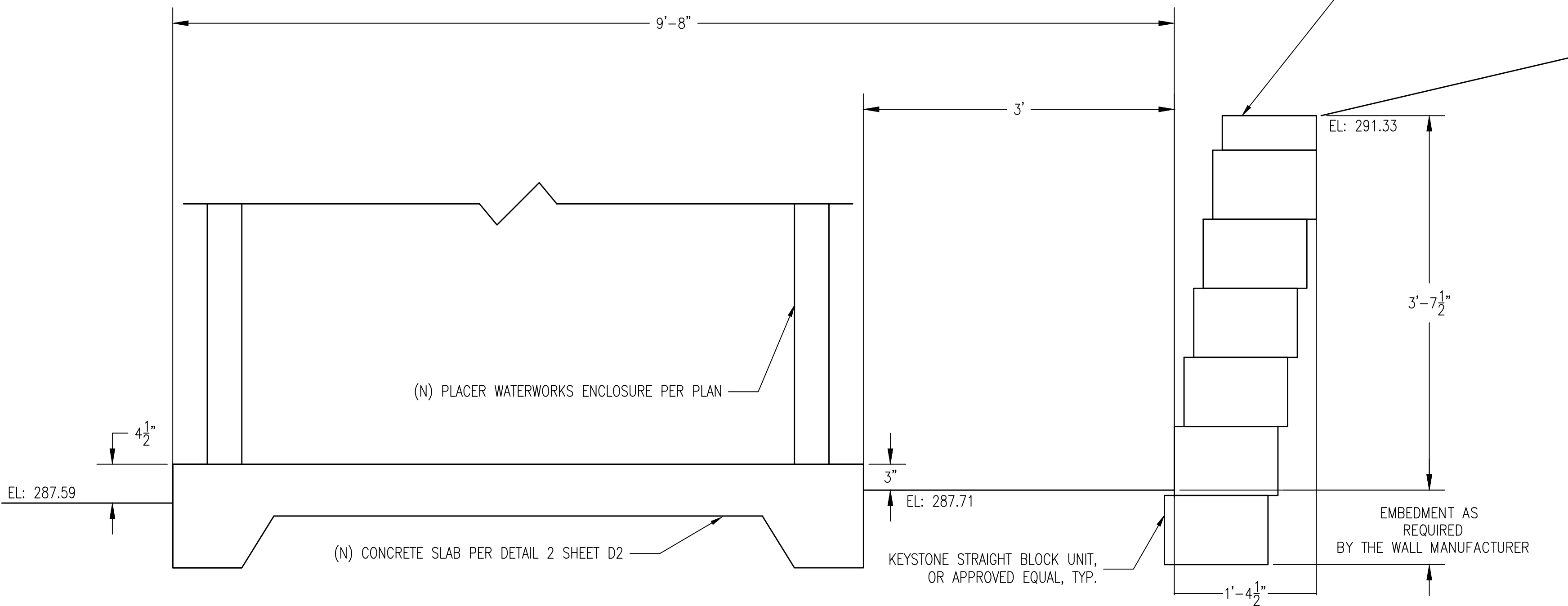
SHEET 10 OF 12



- NOTES:
1. ATTACH ENCLOSURE TO CONCRETE PAD PER MANUFACTURER'S RECOMMENDATION.
 2. REBAR SHALL BE ASTM A615 GRADE 60
 3. REBAR SHALL HAVE 3" MIN CLEARANCE FROM BOTTOM OF SLAB AND SIDES, AND 2" MIN CLEARANCE FROM TOP.

CONCRETE PAD

2



KEYSTONE RETAINING WALL SECTION

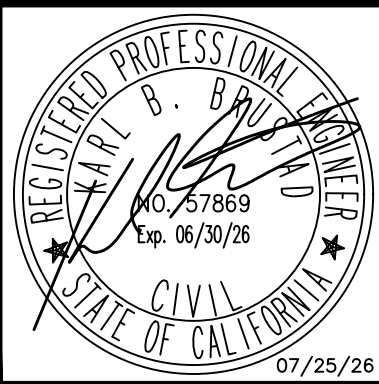
3

REV	DATE	BY	DESCRIPTION

SCALE:	WARNING
DATE:	IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE.
JULY 2025	

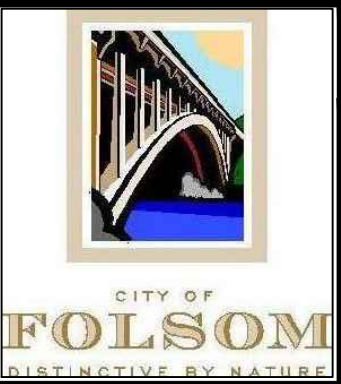
DESIGNED	AA
DRAWN	DG/LAH
CHECKED	KBB

PROJECT ENGINEER	R.C.E. NO.	EXP. DATE
KARL BRUSTAD	57869	06/30/26
PROJECT MANAGER	R.C.E. NO.	EXP. DATE

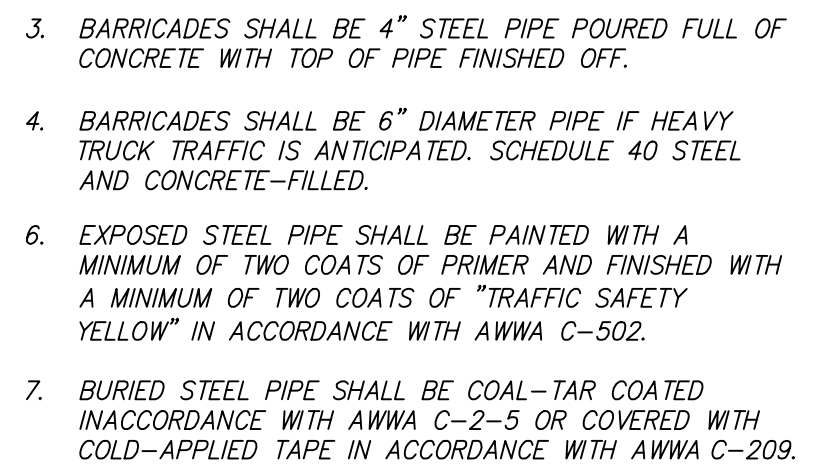
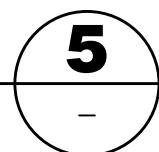
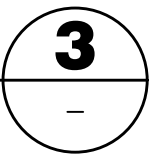
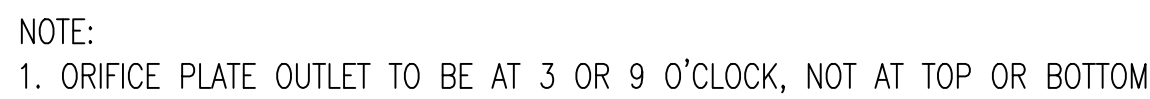
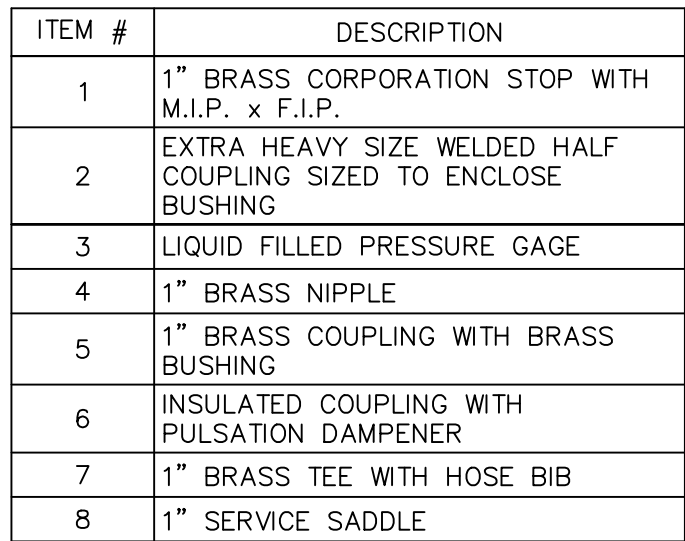


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A Verdantis Company

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Folsom, CA 95630
PH. 916-608-2212



CITY OF FOLSOM FLOW CONTROL FACILITIES REHABILITATION PROJECT
STANDARD DETAILS II



REV	DATE	BY	DESCRIPTION

SCALE:
DATE: JULY 2025

WARNING

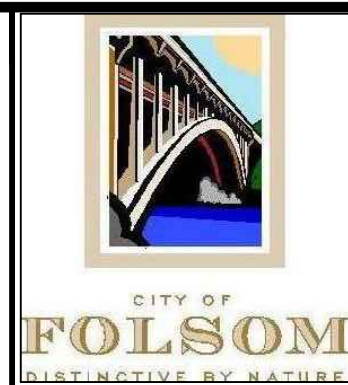
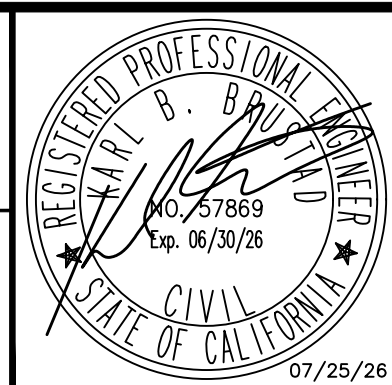
0 1/2 1



IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE.

DESIGNED AA
DRAWN DG/LAH
CHECKED KBB

PROJECT ENGINEER	R.C.E. NO.	EXP. DATE
KARL BRUSTAD	57869	06/30/26
PROJECT MANAGER	R.C.E. NO.	EXP. DATE



CITY OF FOLSOM	
FLOW CONTROL FACILITIES REHABILITATION PROJECT	
STANDARD DETAILS III	