Print Form

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: Ashland Water Rehabilitation Project II

Project Applicant: City of Folsom

Project Location - Specific:

Baldwin Dam Road Right of Way from the intersection of Baldwin Lake Circle to 7251 Baldwin Dam Road

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

Description of Nature, Purpose and Beneficiaries of Project:
See attached project description for full detail.

Name of Public Agency Approving Project: City of Folsom

Name of Person or Agency Carrying Out Project:

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 an existing facility by replacing existing water infrastructure. The project will not significantly change the purpose or footprint of the previous infrastructure. See attached Project Description for additional details.

Lead Agency
Contact Person: Kelsie Gugino Area Code/Telephone/Extension: 916-461-6166

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: Marcus Yasutake Date: 5/10/2022 Title: Environmental and Water Resources 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:

PROJECT DESCRIPTION

The proposed project in located in the City of Folsom within the Baldwin Dam Road right-of-way (between the intersection of Baldwin Lake Circle to 7251 Baldwin Dam Road and south of Oak Avenue Parkway within the vacant Ashland pump station site and in the adjacent roadway) (Figure 1). The project consists of a combination of new meters and water service pipelines as well as improvements to existing infrastructure. Currently, the project is proposing twenty-two new meter services (new main tap, extension of water service pipe to new main, and replacement of water service pipe to the meter). Of the twenty-two, nineteen of these will include replacement of the existing meter and meter box. The remaining three will connect directly to the existing meter (Figure 2). The proposed project will include the following work (see attachment A for more details):

1. Abandon waterlines on Baldwin Dam Road by means of water-tight caps.

2. Removal of existing main and construction of a new 8-inch service main tie-in with 3 isolation valves and piping to future connection and a blowoff valve on 7635 Baldwin Dam Road.

3. Transfer and replacement of 22 water services to the 14-inch asphalt cement or 18-inch welded steel water distribution main in Baldwin Dam Road (existing new water main).

4. Removal of existing main including a blow-off connection and construction of a new main tie-in with 3 isolation valves and a blind flange at Baldwin Lake Circle.

5. Removal of existing main and construction of 6 new water main tie-ins with 3 isolation valves each and piping at Southcreek Circle (2 connections), Mosswood Circle (2 connections), between 7511 and 7497 Baldwin Dam Road (1 connection), and Valley Pines Drive (1 connection).

6. Removal of a wharf hydrant along Mosswood Circle and replacement with new steamer hydrant and new hydrant connection to newer water line.

7. Transfer and replacement of 2 existing fire hydrant connections to newer water line using a cut-in tee.

8. Abandon/removal of isolation valves.

9. Decommissioning of waterlines on Baldwin Dam Road by means of water-tight mechanical means and welded on plates.

10. Removal of existing tee and construction of new water main tie-in at 7497 Baldwin Dam Road.

11. Extention of water service lateral to existing meter box at 7545 Baldwin Dam Road along the existing access road.

12. Replacement of concrete driveway sections at 7405 Baldwin Dam Road.

13. Demolition of an existing vacant pump station to 1-ft below grade within the limits of the existing site. Demolition of an existing 18-inch welded steel pipeline including tees. Abandonment of underground waterline in front of the existing vacant pump station by means of welded steel plates. Construction of

a new 18-inch waterline, including tee and a butterfly valve. Construction of a new waterline off of the new 18-inch waterline to new hydrant to replace the existing hydrant. The newer 14-inch line and the New 18-inch are part of the same system. The 14-inch is asbestos cement pipe and the 18-inch is steel. The project will abandon approximately 60-ft of pipeline below grade and will remove all above grade piping.

14. Sealing of cracks, slurry seal, pavement thermoplastic stripping and marking of portions Baldwin Dam Road from the northern Southcreek Circle to 7251 Baldwin Dam Road.

15. Grind and re-pave Digger Pine Lane as indicated.

If project construction will take place between March 15 and August 31st, a preconstruction nesting bird survey will be conducted by a qualified biologists or ornithologist prior to the start of construction activity. If no raptor or special status bird nests are found during the surveys, construction may proceed unconstrained by conflicts with raptors and/or migratory birds. If nests are found, construction activities within 300 feet shall be postponed until after the nesting season. The time of the bird's departure must be determined by a qualified wildlife biologist. If the project will take place outsides of the nesting season the proposed project will not include a nesting bird survey.

Construction methods consist of open trenching. During construction activities one lane will need to be closed to traffic. Remaining lanes will stay open and a detour will not be necessary. Portion of one driveway and a section of sidewalk will be impacted by the proposed project and will be restored to prior condition (or better) after construction activities are complete. Remaining lanes will stay open and a detour will not be necessary. To ensure that no protected trees are impacted as a part of the proposed project, only hand digging will take place near Oaks within the project area.

Figure 1: Location Map

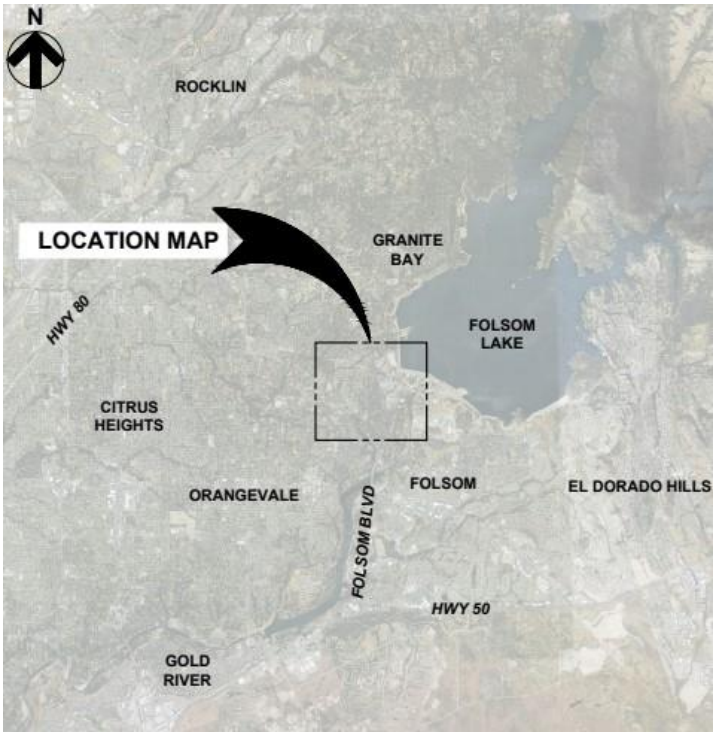
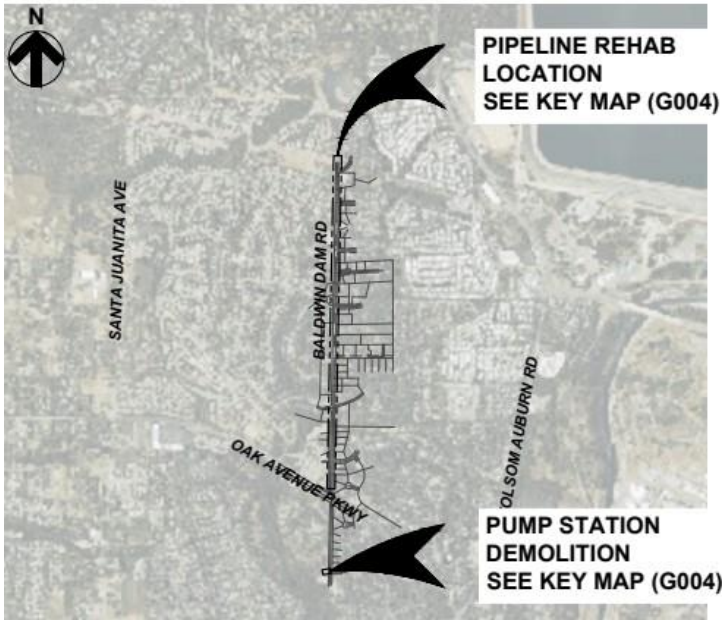
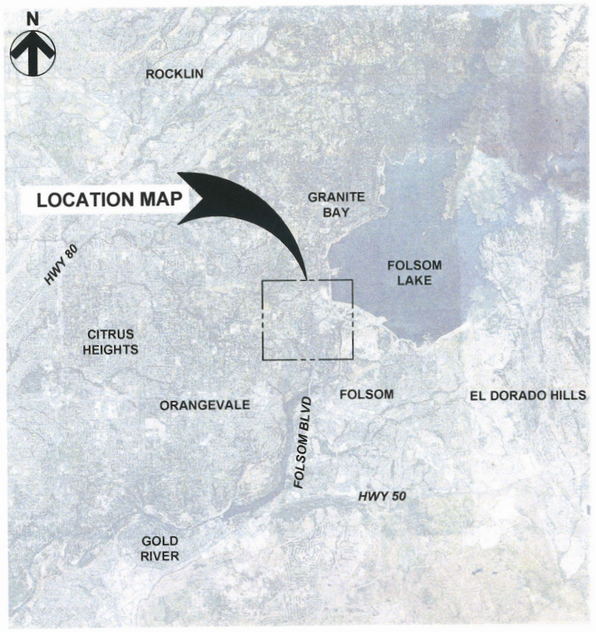


Figure 2: Project Footprint



Attachment A: Project Engineering Plans



VICINITY MAP
SCALE: NTS

CITY OF FOLSOM

ENVIRONMENTAL & WATER RESOURCES DEPT.

CITY OF FOLSOM
ENVIRONMENTAL AND WATER RESOURCES

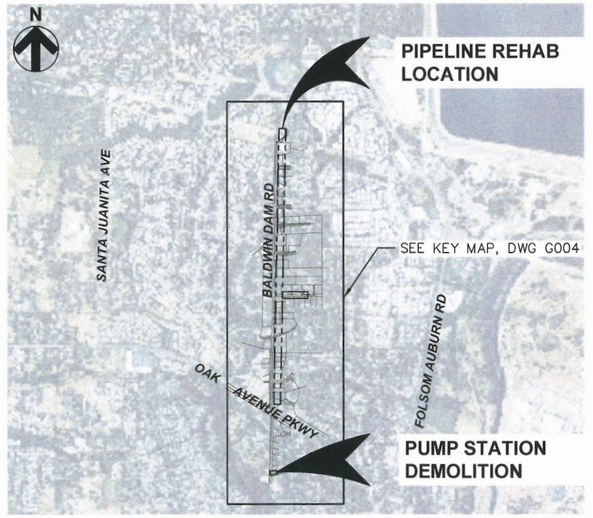
VOLUME 2:
PROJECT PLANS
FOR

ASHLAND WATER REHABILITATION PROJECT II

PROJECT No. 361-006

BID SET DRAWINGS

MARCH 2022



LOCATION MAP
SCALE: NTS

DRAWING INDEX

SHEET NO.	DRAWING NO.	DRAWING TITLE
		GENERAL
1	G001	COVER SHEET, DRAWING INDEX, LOCATION MAP & VICINITY MAP
2	G002	SYMBOLS, LEGENDS, SERVICE DESIGNATIONS & ABBREVIATIONS
3	G003	GENERAL NOTES – 1
4	G004	GENERAL NOTES – 2
5	G005	GENERAL SEQUENCE OF WORK, SCHEDULE, SURVEY NOTES & KEY MAP
		CIVIL
6	C200	PLAN & PHOTOS – BALDWIN DAM ROAD – STA 100+00 TO 104+50
7	C201	PLAN & PHOTOS – BALDWIN DAM ROAD – STA 104+50 TO 109+50
8	C202	PLAN & PHOTOS – BALDWIN DAM ROAD – STA 109+50 TO 114+50
9	C203	PLAN & PHOTOS – BALDWIN DAM ROAD – STA 114+50 TO 119+60
10	C204	PLAN & PHOTOS – BALDWIN DAM ROAD – STA 119+60 TO 124+50
11	C205	PLAN & PHOTOS – BALDWIN DAM ROAD – STA 124+50 TO 129+50
12	C206	PLAN & PHOTOS – BALDWIN DAM ROAD – STA 129+50 TO 134+50
13	C207	PLAN & PHOTOS – BALDWIN DAM ROAD – STA 134+50 TO 139+60

DRAWING INDEX

SHEET NO.	DRAWING NO.	DRAWING TITLE
		CIVIL (CONT.)
14	C208	PLAN & PHOTOS – BALDWIN DAM ROAD – STA 139+60 TO 144+60
15	C209	PLAN & PHOTOS – BALDWIN DAM ROAD – STA 144+60 TO 149+50
16	C210	PLAN & PHOTOS – DIGGER PINE ROAD
17	C211	ASHLAND PUMP STATION DEMOLITION AND PIPING PLAN
18	C220	SLURRY SEAL AND STRIPING PLAN – STA 104+50 TO 119+50
19	C221	SLURRY SEAL AND STRIPING PLAN – STA 119+50 TO 134+50
20	C222	SLURRY SEAL AND STRIPING PLAN – STA 134+50 TO 149+50
21	C250	CIVIL DETAILS – 1
22	C251	CIVIL DETAILS – 2
23	C252	CIVIL DETAILS – 3
24	C253	CIVIL DETAILS – 4
25	C254	CIVIL DETAILS – 5
26	C255	CIVIL DETAILS – 6
27	C256	CIVIL DETAILS – 7

APPROVED FOR CONSTRUCTION:

STEVE KRAHN, PE — CITY ENGINEER — 3/29/22 DATE

MARCUS YASUTAKE, PE — EWR DIRECTOR — 3/25/2022 DATE

ERIC L. JONES PE 68550 — PROJECT MANAGER — 3/25/22 DATE

HydroScience

HydroScience
10569 OLD PLACERVILLE ROAD
SACRAMENTO, CA 95827
OFFICE: 916.364.1490

PAPER SIZE: 22X34 (ANSI D)
0" 1/2" 1"
THIS BAR IS 1 INCH AT FULL SCALE. IF NOT, SCALE ACCORDINGLY.

JOB NO. 361-006
DATE 3/23/2022
DRAWN BY AGP/BF
DESIGNED BY BF
PROJ. MGR. ELJ

REV	DESCRIPTION	DATE	APVD

REVISIONS

CITY OF FOLSOM ENVIRONMENTAL AND WATER RESOURCES

ASHLAND WATER REHABILITATION PROJECT II

COVER SHEET, DRAWING INDEX, LOCATION MAP & VICINITY MAP

REGISTERED PROFESSIONAL ENGINEER — ERIC L. JONES — C68550 — CIVIL — STATE OF CALIFORNIA — 02/04/2022

G001
DRAWING NUMBER

SHEET 1 OF 27

Plot Date: 3/22/2022 10:07 PM
Plotted By: ERIC JONES
File Name: S:\common\projects\361- City of Folsom\006- Ashland II Project\04- Design\Drawings\01- General\361- 006- G Sheets.dwg

ABBREVIATIONS

A	
AB	AGGREGATE BASE
A/C	AIR CONDITIONER
AC	ASPHALT CONCRETE
ACP	ASBESTOS CEMENT PIPE
APPROX	APPROXIMATE(LY)
AVE	AVENUE
B	
BF	BLIND FLANGE
BFV	BUTTERFLY VALVE
BLDG	BUILDING
BM	BEAM/BENCHMARK
BV	BALL VALVE
C	
CDFM	CONTROLLED DENSITY FILL MATERIAL
CIR	CIRCLE
CML&C	CONCRETE MORTAR LINED AND COATED
CONC	CONCRETE
CPLG	COUPLING
CV	CONTROL VALVE
D	
D	DRAIN
DET	DETAIL
DI	DROP INLET/ DUCTILE IRON
DIA	DIAMETER
DIP	DUCTILE IRON PIPE
DWG	DRAWING
E	
(E)	EXISTING
EG	EXISTING GRADE
EL	ELEVATION
ELEC	ELECTRICAL
ELL	ELBOW
EP	EDGE OF PAVEMENT
EQUIP	EQUIPMENT
EXIST	EXISTING
F	
(F)	FUTURE
FCA	FLANGE COUPLING ADAPTER
FD	FLOOR DRAIN/FIRE DAMPER
FE	FLOW METER/ FLANGED END
FF	FINISHED FLOOR
FG	FINISHED GRADE
FL	FLOW LINE
FLG	FLANGE(D)
FM	FORCE MAIN
FRP	FIBERGLASS REINFORCED PLASTIC
FT	FEET
G	
GPM	GALLONS PER MINUTE
GV	GATE VALVE
H	
HP	HORSEPOWER
I	
IE	INVERT ELEVATION
INV	INVERT
J	
JT	JOINT
K	
KCMIL	THOUSAND CIRCULAR MILS

L	
L	LENGTH
LF	LINEAL FEET
M	
MAX	MAXIMUM
MECH	MECHANICAL
MGD	MILLION GALLONS PER DAY
MH	MANHOLE
MIN	MINIMUM/MINUTE
MJ	MECHANICAL JOINT
MTR	MOTOR
N	
(N)	NEW
N/A	NOT APPLICABLE
NPW	NON-POTABLE WATER
NTS	NOT TO SCALE
O	
OC	ON CENTER
OD	OUTSIDE DIAMETER
OF	OVERFLOW
OFMH	OVERFLOW MANHOLE
P	
P&ID	PROCESS AND INSTRUMENTATION DIAGRAM
PE	PLAIN END
PSI	POUNDS PER SQUARE INCH
PV	PLUG VALVE
PVC	POLYVINYLCHLORIDE
Q	
QCPLG	QUICK COUPLING
R	
R	RADIUS/ RESTRAINED
RCP	REINFORCED CONCRETE PIPE
RD	ROAD
RED	REDUCER
REQ'D	REQUIRED
RW	RECYCLED WATER
S	
SAM	SAMPLE
SCH	SCHEDULE
SD	STORM DRAIN
SDMH	STORM DRAIN MANHOLE
SFM	SEWER FORCE-MAIN
SHT	SHEET
SPEC	SPECIFICATION(S)
SS	SANITARY SEWER
SSMH	SANITARY SEWER MANHOLE
SST	STAINLESS STEEL
STA	STATION
STD	STANDARD
STL	STEEL
T	
T, TEL	TELECOMMUNICATIONS
TOP	TOP OF PIPE
TBC	TOP BACK OF CURB
TC	TOP OF CURB/TOP OF CONCRETE
TCDI	TOP OF CURB DROP INLET
TP	TOP OF PAVEMENT
TYP	TYPICAL

U	
ULT	UTILITY LOCATING TRENCH
UNK	UNKNOWN
UON	UNLESS OTHERWISE NOTED
V	
V	VALVE/VENT
VAR	VARIES, VARIABLE
VERT	VERTICAL
VFD	VARIABLE FREQUENCY DRIVE
VLV	VALVE
W	
W	WATER/WEST/WATTS
W/	WITH
W/O	WITHOUT
WSP	WELDED STEEL PIPE
WW	WASTEWATER
WWF	WELDED WIRE FABRIC
X	
XFMR	TRANSFORMER

LINE-TYPE LEGEND

- CENTERLINE OF PIPE
- NEW PIPE – ABOVEGROUND (MECH DWGS)
- NEW PIPE – UNDERGROUND (MECH DWGS)
- EXISTING PIPE – ABOVEGROUND (MECH DWGS)
- EXISTING PIPE – UNDERGROUND (MECH DWGS)
- W — NEW WATER MAIN PIPE
- W — EXISTING WATER MAIN PIPE
- SFM — NEW SEWER FORCE MAIN
- SFM — EXISTING SEWER FORCE MAIN
- RW — NEW RECYCLED WATER PIPE
- RW — EXISTING RECYCLED WATER PIPE
- SS — NEW SANITARY SEWER PIPE
- SS — EXISTING SANITARY SEWER PIPE
- SD — NEW STORM DRAIN LINE
- SD — EXISTING STORM DRAIN LINE
- C — NEW COMMUNICATION LINE
- C — EXISTING COMMUNICATION LINE
- PIPING TO BE ABANDONED OR REMOVED
- NG — EXISTING NATURAL GAS LINE
- E — NEW ELECTRICAL CONDUIT
- E — EXISTING ELECTRICAL CONDUIT
- NEW EQUIPMENT
- EXISTING, EQUIPMENT OR STRUCTURES
- PROPERTY LINE
- MATCH LINE
- CENTER LINE
- RIGHT OF WAY
- X — FENCE
- GRADE BREAK
- SWALE OR DITCH
- EDGE OF WATER
- 200 MAJOR CONTOURS
- 195 MINOR CONTOURS
- HANDRAIL

PATTERN LEGEND

- DEMOLITION AREA
- AC W/ AB (SECTION VIEW)
- NATURAL GROUND OR GRADE
- COMPACTED BACKFILL
- AB (SECTION VIEW)
- CONCRETE
- CHECKER PLATE
- STEEL OR STAINLESS STEEL
- AC PAVEMENT IN PLAN VIEW (OR GROUT IN SECTION VIEW)
- GRATING
- MISCELLANEOUS MATERIAL
- HIGHLIGHTED AREA
- HAND DIGGING EXCAVATION AREA

SURVEY ABBREVIATIONS

AC	ASPHALT CONCRETE
ACD	ASPHALT CONCRETE DIKE
BOW	BACK OF WALK
BRC	BACK OF ROLLED CURB
BYL	STRIPING–BROKEN YELLOW LINE
COF	CITY OF FOLSOM
COMM	COMMUNICATIONS
CONC	CONCRETE
CUL.	CULVERT
CR	CROWN
DMH	STORM MANHOLE
DWY	DRIVEWAY
DYL	STRIPING–DOUBLE YELLOW LINE
EP	EDGE OF PAVEMENT
EPNL	ELECTRICAL PANEL
ELEC	ELECTRICAL
ETW	EDGE OF TRAVEL WAY
EVLT	ELECTRICAL VAULT
FCL	CHAIN LINK FENCE
FM	METAL FENCE
FW	WOOD FENCE
GB	GRADE BREAK
GRDR	GUARDRAIL
INV.	INVERT
MH	MANHOLE
MISC	MISCELLANEOUS
LIP	LIP OF GUTTER
SMH	SEWER MANHOLE
SWL	STRIPING–SOLID WHITE LINE
TC	TOP OF CURB
TOE	TOE OF SLOPE
TOP	TOP OF SLOPE
TRANS	TRANSFORMER
USA	UNDERGROUND SERVICE ALERT
UTV	UTILITY VAULT
WMA	MASONRY WALL
WV	WATER VALVE

MISC. MARKS

- SINGLE LINE CONTINUATION
- DOUBLE LINE CONTINUATION
- GENERAL CONTINUATION
- WATERLINE
- TRAFFIC DIRECTION
- PH# POTHOLE
- ULT#–10' UTILITY LOCATION TRENCH – 10 FT IN LENGTH
- CAPITAL CITY MARKER
- N NORTH ARROW

SURVEY SYMBOLS

- BACKFLOW PREVENTER
- BENCHMARK
- BOLLARD
- CATCH BASIN
- CLEAN OUT
- CONTOUR 400
- CURB
- DRAIN INLET
- ELECTROLIER
- ELEVATION W/ DESCRIPTION × 399.00 EP
- NATURAL GROUND SHOT × 397.3
- FIRE HYDRANT
- GAS VALVE GV
- MANHOLE
- SANITARY SEWER MANHOLE S
- SIGN
- STORM DRAIN MANHOLE D
- UTILITY BOX U
- WATER METER/BOX W
- WATER VALVE WV
- BLOWOFF VALVE
- MAIL BOX MB

SECTION/DETAIL NUMBERING

(1) MAIN FEATURE TITLE <FEATURE_TITLE> — FEATURE TITLE
SCALE: 1" = 1'–0" — NOTE/SCALE

(2) DETAIL TITLE:
ON DWG M180 THIS DETAIL IS IDENTIFIED AS DETAIL 1

<DETAIL NAME> — DETAIL TITLE
SCALE: 1" = 1'–0" — SCALE & NOTES
SEE NOTE 2 (TYP 2 PLACES)
1 / C002 — DETAIL LABEL (NUMBERS FOR DETAILS); SHEET REFERENCED

(3) SECTION OR ELEVATION TITLE:
ON DWG C102 THIS SECTION (OR ELEVATION) IS IDENTIFIED AS SECTION A OR ELEVATION A

<DETAIL NAME> — SECTION OR ELEVATION TITLE
SCALE: NO SCALE — SCALE
A / C102 — SECTION LABEL (LETTERS FOR SECTIONS); SHEET REFERENCED

(4) SECTION/ELEVATION CALL OUT.
SECTION A (OR ELEVATION A) FROM DWG C100:

A / C102 — SECTION/ELEVATION DESIGNATION; SHEET SECTION IS ON

(5) PHOTO CALL OUT: PHOTO 1 FROM DWG M001:
1 / M001 — PHOTO NUMBER; SHEET PHOTO IS ON

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10569 OLD PLACERVILLE ROAD
SACRAMENTO, CA 95827
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DATE 3/23/2022
DRAWN BY AGP/BF
DESIGNED BY BF
PROJ. MGR. ELJ

REV	DESCRIPTION	DATE	APVD

REVISIONS

CITY OF FOLSOM ENVIRONMENTAL AND WATER RESOURCES

ASHLAND WATER REHABILITATION PROJECT II

SYMBOLS, LEGENDS, SERVICE DESIGNATIONS & ABBREVIATIONS

REGISTERED PROFESSIONAL ENGINEER — ERIC L. JONES — C68550 — CIVIL — STATE OF CALIFORNIA
02/04/2022

G002
DRAWING NUMBER

SHEET 2 OF 27

GENERAL NOTES

1. ALL WORKMANSHIP, MATERIALS, AND CONSTRUCTION SHALL CONFORM TO THE CITY OF FOLSOM'S LATEST REVISED STANDARD CONSTRUCTION SPECIFICATIONS AND STANDARD CONSTRUCTION DETAILS, PROJECT MANUAL; THE AWWA STANDARDS; THE ASTM STANDARDS; AND THE STATE STANDARD SPECIFICATIONS AND STANDARD PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR UNDERSTANDING ALL STANDARDS PERTAINING TO THIS PROJECT.

2. CONSTRUCTION BIDS SHALL BE BASED ON THE WORK REQUIRED BY THIS PLAN SET AND SPECIFICATIONS, WHETHER OR NOT SPECIFICALLY ITEMIZED ON THE BID SHEET, TO CONSTRUCT THE FACILITIES COMPLETE AND IN PLACE THAT ARE SUITABLE FOR THEIR INTENDED PURPOSE.

3. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY CONSTRUCTION PERMITS, INCLUDING BUT NOT LIMITED TO PERMITS FROM ENCROACHMENT, CONSTRUCTION WATER, DISCHARGE OF CONSTRUCTION WATER, RIGHTS OF ENTRY, APPROVALS AND LICENSES PRIOR TO BEGINNING CONSTRUCTION.

4. TO OBTAIN THE ENCROACHMENT PERMIT, THE CONTRACTOR WILL BE REQUIRED TO POST A PERFORMANCE BOND FOR THE WORK IN THE PUBLIC RIGHT-OF-WAY OR EASEMENT AND PROVIDE PROOF OF INSURANCE NAMING THE CITY OF FOLSOM AS ADDITIONALLY INSURED.

5. THE CONTRACTOR SHALL OBTAIN A NO-FEE METER PERMIT THROUGH THE CITY'S COMMUNITY DEVELOPMENT DEPARTMENT FOR EACH ADDRESS WITH NEW METER.

6. THE CONTRACTOR SHALL WARRANTY ALL WORK INCLUDE RESTORATION WORK UNDER THE TWO (2) YEAR GUARANTEE AS DESCRIBED IN GENERAL CONDITIONS, SECTION 5.23.

7. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL POWER, UTILITIES, AND TEMPORARY FACILITIES THAT ARE NECESSARY TO COMPLETE THE WORK.

8. BEFORE COMMENCING WORK, THE CONTRACTOR SHALL NOTIFY THE CITY OF FOLSOM DEPARTMENT OF PUBLIC WORKS (5) WORKING DAYS IN ADVANCE. CALL CITY OF FOLSOM PUBLIC WORKS DEPARTMENT AT (916) 351-3559.

9. BEFORE COMMENCEMENT OF WORK, THE CONTRACTOR SHALL PROVIDE, IN WRITING, NOTIFICATION TO RESIDENTS OR BUSINESSES WHEN CONTRACTOR IS AFFECTING RESIDENT/BUSINESSES PER GENERAL PROVISIONS SECTION 10.05. THIS INCLUDES BUT IS NOT LIMITED TO COMMENCEMENT WITH CONSTRUCTION, WATER TIE-INS, ROAD WORK, ETC. THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE DOOR HANGER ONLY NOTIFICATION TO RESIDENTS AND BUSINESS BASED ON THE TIME TABLE BELOW:

   30 DAYS (COMMERCIAL AND 7515 BALDWIN DAM RD)
   14 DAYS (RESIDENTIAL AND COMMERCIAL)
   7 DAYS (RESIDENTIAL AND COMMERCIAL)
   3 DAYS (RESIDENTIAL AND COMMERCIAL)
   DAY OF CONSTRUCTION, KNOCK ON DOOR (COMMERCIAL AND RESIDENTIAL)

10. SECURITY MEASURES FOR THE SAFETY OF ALL CONSTRUCTION EQUIPMENT AND UNIT APPLIANCES SHALL BE EMPLOYED.

11. ALL CONSTRUCTION MATERIALS, EQUIPMENT, STORAGE, STOCKPILING AND STAGING MUST BE DONE WITHIN PRIVATE PROPERTY WITH WRITTEN PERMISSION FROM THE OWNER. THE PUBLIC RIGHT-OF-WAY/STREET MUST BE KEPT CLEAR AND FREE OF DEBRIS WHILE WORKING WITHIN.

12. THE CONTRACTOR MUST OBTAIN WRITTEN PERMISSION FROM THE OWNER OF ANY PRIVATELY OWNED PROPERTY PRIOR TO BEGINNING ANY WORK, STORING MATERIALS OR OTHERWISE CONDUCTING ANY OPERATIONS ON SAID PROPERTY. THE WRITTEN APPROVAL FROM THE PROPERTY OWNER MUST BE ON FILE WITH THE CITY BEFORE ANY OPERATIONS WILL BE PERMITTED ON SAID PROPERTY. SEE APPENDIX B OF THE PROJECT MANUAL FOR A COPY OF THE SIGNED RIGHT OF ENTRY AGREEMENT THAT THE CITY HAS OBTAINED FOR THIS WORK.

13. ALL CONSTRUCTION SHALL CONFORM TO THE GEOTECHNICAL REPORT FOR THE ASHLAND WATER REHABILITATION PROJECT NO. 2 – FOLSOM, CA, PROVIDED BY: BLACKBURN CONSULTING, 2491 BOATMAN AVENUE, WEST SACRAMENTO, CA 95691, AND DATED DECEMBER 2020. SEE APPENDIX C OF THE PROJECT MANUAL.

14. THE CONTRACTOR IS RESPONSIBLE FOR HAVING A COMPLETE SET OF CONTRACT PLANS AND SPECS, CITY PERMITS, AND THE LATEST GOVERNING STANDARD SPECIFICATIONS AT THE PROJECT SITE DURING WORK HOURS.

15. THE CONTRACTOR SHALL KEEP UP-TO-DATE A COMPLETE RECORD SET OF RED-LINED PRINTS OF THE CONTRACT DRAWINGS SHOWING EVERY CHANGE FROM THE ORIGINAL DRAWINGS MADE DURING THE COURSE OF CONSTRUCTION, INCLUDING EXACT LOCATIONS, SIZES, MATERIALS, AND EQUIPMENT. A COMPLETE SET OF CORRECTED AND COMPLETED RECORD DRAWINGS SHALL BE SUBMITTED TO THE CITY PRIOR TO FINAL ACCEPTANCE OF THE SYSTEM.

16. THE CONTRACTOR AGREES THAT, IN ACCORDANCE WITH THE GENERALLY ACCEPTED CONSTRUCTION PRACTICES, THE CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY. THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS. THE CONTRACTOR SHALL DEFEND, INDEMNIFY, AND HOLD THE CITY OF FOLSOM HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT.

GENERAL NOTES (CONTINUED)

17. IF ANY ARCHEOLOGICAL, CULTURAL, OR HISTORICAL RESOURCES, ARTIFACTS OR FEATURES ARE DISCOVERED DURING THE COURSE OF CONSTRUCTION ANYWHERE ON THE PROJECT SITE, WORK SHALL BE SUSPENDED WITHIN 150 FEET OF THAT LOCATION UNTIL A QUALIFIED PROFESSIONAL ARCHEOLOGIST ASSESSES THE SIGNIFICANCE OF THE DISCOVERY AND PROVIDES CONSULTATION WITH THE FOLSOM HISTORICAL SOCIETY AND THE COMMUNITY DEVELOPMENT DEPARTMENT. THE CITY OF FOLSOM COMMUNITY DEVELOPMENT AND THE FOLSOM HISTORICAL SOCIETY SHALL BE NOTIFIED AND ANY APPROPRIATE MEASURES AGREED UPON PRIOR TO THE RECOMMENCEMENT OF CONSTRUCTION IN THE AREA IN QUESTION.

18. THE CONSTRUCTION WORK HOURS FOR THIS PROJECT ARE LIMITED TO MONDAY THROUGH FRIDAY, 7:00 AM TO 5:00 PM. FLUSHING, DISINFECTION, TIE-INS, AND WATER SHUT DOWNS ARE ONLY ALLOWED BETWEEN 7:00 AM AND 3:00 PM. CONSTRUCTION IS PROHIBITED ON SATURDAY AND SUNDAYS, CITY/FEDERAL HOLIDAYS, AND PER SPECIFICATIONS, EXCEPT WITH WRITTEN PERMISSION OF THE CITY. REQUEST MUST BE SUBMITTED IN WRITING TO THE OWNER'S REPRESENTATIVE AT LEAST TWO (2) WORKING DAYS IN ADVANCE OF THE INTENDED WORK. IN CASE OF AN EMERGENCY THE CONTRACTOR WILL BE ALLOWED TO WORK AT NIGHT OR ON WEEKENDS OR LEGAL HOLIDAYS, BUT MUST NOTIFY THE OWNER'S REPRESENTATIVE IMMEDIATELY.

19. COMPLIANCE WITH NOISE RESTRICTIONS SHALL BE REQUIRED. CONSTRUCTION MUST ONLY OCCUR DURING APPROVED WORK HOURS AND EQUIPMENT SHALL BE MUFFLED AND SHROUDED TO MINIMIZE NOISE LEVELS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.

20. NO REFUELING, LUBRICATION, OR MAINTENANCE OF CONSTRUCTION VEHICLES SHALL BE DONE ANYWHERE ON THE SITE EXCEPT WITHIN APPROVED CONSTRUCTION STAGING AREAS. STAGING AREAS SHALL BE SET UP TO THE SATISFACTION OF THE CONSTRUCTION INSPECTOR AND THE FIRE DEPARTMENT.

21. THE CITY OF FOLSOM IS A MEMBER OF THE UNDERGROUND SERVICES ALERT (USA) ONE-CALL PROGRAM. THE CONTRACTOR OR ANY SUBCONTRACTOR FOR THIS CONTRACT SHALL NOTIFY USA TWO (2) WORKING DAYS PRIOR TO PERFORMING ANY EXCAVATION WORK BY CALLING THE TOLL-FREE NUMBER 811 OR 800-642-2444. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFICATION OF ALL EXISTING UNDERGROUND UTILITIES, WHETHER OR NOT THEY ARE SHOWN ON THESE PLANS.

22. OVERHEAD UTILITY SERVICE DROPS ARE NOT SHOWN ON THE PLANS. THE CONTRACTOR SHALL INVESTIGATE THE SITE AND BE AWARE OF ANY POSSIBLE LIMITED OVERHEAD CLEARANCES.

23. EXISTING UTILITIES COVER CALLOUTS THAT ARE INDICATED ON THE PLAN DRAWINGS ARE BASED ON AS-BUILT INFORMATION. THE CONTRACTOR SHALL USE THIS INFORMATION FOR BIDDING PURPOSES PLUS 20% AND VERIFY DEPTHS IN THE FIELD.

24. THE CONTRACTOR SHALL PROTECT AND PRESERVE CITY MONUMENTS PER CITY STANDARDS. THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF MONUMENTS ENCOUNTERED, AND SHALL NOT REMOVE OR DAMAGE SAID MONUMENT UNTIL THE MONUMENT CAN BE CROSS REFERENCED AND TIED OUT BY THE SURVEY PARTY. THE CONTRACTOR SHALL ALLOW A MINIMUM OF ONE WORKING DAY FOR SUCH REFERENCING TO BE ACCOMPLISHED.

25. REFER TO SPECIFICATION SECTION 01140 – ENVIRONMENTAL PROTECTION FOR ALL ARBORIST REQUIREMENTS. ALL CONSTRUCTION ACTIVITIES IDENTIFIED IN THE PLANS AND CONDUCTED WITHIN THE CRITICAL ROOT ZONE (CRZ) OF TREES SHALL BE PERFORMED UNDER THE DIRECT SUPERVISION OF THE PROJECT ARBORIST. THE PROJECT ARBORIST SHALL HAVE THE AUTHORITY TO STOP WORK ON THE PROJECT IF THE REQUIREMENT SET FORTH HEREIN ARE NOT MAINTAINED DURING CONSTRUCTION.

30. PRIOR TO THE COMMENCEMENT OF CONSTRUCTION OPERATIONS, TREES TO BE PRESERVED SHALL BE FENCED IN ACCORDANCE WITH SECTION 01140 – ENVIRONMENTAL PROTECTION. FIELD PLACEMENT OF FENCING SHALL BE REVIEWED AND APPROVED BY THE PROJECT ARBORIST PRIOR TO THE COMMENCEMENT OF GRADING OPERATIONS. NO TRENCHING, EXCAVATION, AND/OR ENCROACHMENT SHALL OCCUR BENEATH THE DRIP LINE OF ANY OAK TREE TO BE PRESERVED UNLESS APPROVED BY THE PROJECT ARBORIST.

31. HAND DIGGING IS THE ONLY APPROVED METHOD FOR EXCAVATION WITHIN THE DRIPLINE OF EXISTING TREES NOT AUTHORIZED FOR REMOVAL AND IN AREAS IDENTIFIED IN THE PLANS. HAND DIGGING SHALL BE BY NON-DESTRUCTIVE METHODS (E.G. HAND LABOR AND NO MECHANICAL EQUIPMENT). HAND EXCAVATION SHALL BE ACCOMPLISHED IN 6-INCH LIFTS WITH SHOVELS, PRY BARS OR SIMILAR TOOLS. EXCAVATION WITH A PICKAXE OR OTHER SIMILAR TOOLS SHALL NOT BE ALLOWED.

32. CONTRACTOR SHALL PERFORM ON-SITE PROPERTY RESTORATION IN ACCORDANCE WITH THE RIGHT OF ENTRY AGREEMENTS FOR EACH PROPERTY. ANY CITY OR PRIVATE PROPERTY INCLUDING LANDSCAPING, IRRIGATION OR OTHER IMPROVEMENTS, WHICH IS DAMAGED BY THE CONTRACTOR'S OPERATIONS SHALL BE REPAIRED OR REPLACED IN KIND OR BETTER AT NO ADDITIONAL COST TO THE CITY AND TO THE SATISFACTION OF THE ENGINEER AND PROPERTY OWNER.

33. THE CONTRACTOR SHALL PREPARE AND IMPLEMENT A NON-PERMITTED STORM WATER POLLUTION PREVENTION PLAN (SWPPP) PER GENERAL PROVISIONS SECTION 6.08. THE CONTRACTOR MUST ALSO COMPLY WITH SWPPP PROVISIONS FOR PROJECTS LESS THAN 1 ACRE AS OUTLINED IN APPENDIX A OF THE PROJECT MANUAL.

34. EROSION AND SEDIMENTATION CONTROL SHALL BE PERFORMED PER SECTION 14.29.330 OF THE FOLSOM MUNICIPAL CODE, THE SWPPP FILED FOR THIS PROJECT, AND THE LATEST EDITION OF THE COUNTY OF SACRAMENTO EROSION AND SEDIMENT CONTROL GUIDELINES. FIELD APPLICATION OF THE CONTROLS AND TIMING OF IMPLEMENTATION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE SWPPP IS CONSIDERED A DYNAMIC DOCUMENT AND WILL CHANGE AS CONDITIONS WARRANT.

GENERAL NOTES (CONTINUED)

35. TARPAULINS OR OTHER EFFECTIVE COVERS SHALL BE USED ON ALL STOCKPILES OF EARTH MATERIAL AND HAUL TRUCKS TO MINIMIZE DUST.

36. THE CITY SHALL HAVE THE AUTHORITY TO STOP ALL CONSTRUCTION OPERATIONS, IF IN OPINION OF THE CITY STAFF, INADEQUATE DUST CONTROL MEASURES ARE BEING PRACTICED OR EXCESSIVE WIND CONDITIONS CONTRIBUTE TO EXCESSIVE DUST EMISSIONS.

37. STREETS SHALL BE SWEPT TO REMOVE SILT AND OTHER DIRT WHICH IS EVIDENT FROM CONSTRUCTION ACTIVITIES.

38. SHOULD CONSTRUCTION OPERATIONS UNCOVER HAZARDOUS MATERIALS, OR WHAT APPEARS TO BE HAZARDOUS MATERIAL, THE CITY OF FOLSOM FIRE DEPARTMENT SHALL BE CONTACTED IMMEDIATELY AT (916) 984-2280.

39. THE CONTRACTOR SHALL COMPLY WITH THE REGULATIONS OF THE SACRAMENTO METROPOLITAN AIR QUALITY MANAGEMENT DISTRICT.

40. THE CONTRACTOR SHALL PROVIDE AND MAINTAIN A TRAFFIC CONTROL PLAN FOR ALL ASPECTS WHERE THE WORK IS ON OR ADJACENT TO CITY STREETS. TRAFFIC CONTROL AND PEDESTRIAN USE DURING CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST CA MUTCD AND CONFORM TO THE REQUIREMENTS OF THE AMERICAN DISABILITIES ACT (ADA) AND SHALL ACCOMMODATE PEDESTRIAN TRAFFIC THROUGH OR AROUND THE WORK ZONES. IF THE ENGINEER DETERMINES THAT THE CONTRACTOR HAS FAILED TO PERFORM THE WORK REQUIRED BY THE TRAFFIC CONTROL PLAN, THE CONTRACTOR SHALL PAY THE CITY OF FOLSOM A SUM OF FIVE HUNDRED DOLLARS ($500.00) AS DAMAGES AND NOT AS A PENALTY FOR EACH OCCURRENCE PER CALENDAR DAY THE CONTRACTOR CONTINUES NOT TO PERFORM THE WORK REQUIRED BY THE TRAFFIC CONTROL PLAN.

41. BALDWIN DAM ROAD IS A SINGLE ACCESS ROAD WITH REQUIRED ACCESS FOR RESIDENTS. ONE-LANE OF TRAFFIC MUST REMAIN OPEN AT ALL TIMES.

42. THE CONTRACTOR SHALL POST "NO PARKING" SIGNS SEVENTY-TWO (72) HOURS IN ADVANCE OF CONSTRUCTION ACTIVITIES IF ON-STREET PARKING IS ALLOWED WITHIN THE PROJECT BOUNDARY. THE SIGNS SHALL CITE THE STATE OF CALIFORNIA'S VEHICLE CODE AND BE ATTACHED TO A-FRAME ROAD BARRICADES. EACH A-FRAME BARRICADE SHALL BE EQUIPPED WITH A TYPED LETTER INFORMING RESIDENTS OF THE TYPE OF WORK, THE CLOSURE DAYS AND CLOSURE TIMES AND PARKING RESTRICTIONS. THE CITY OF FOLSOM WILL BE RESPONSIBLE FOR THE REMOVAL OF ANY VEHICLES THAT IGNORE THE "NO PARKING" NOTIFICATION.

43. THE CONTRACTOR SHALL PROVIDE, OPERATE, AND MAINTAIN A MINIMUM OF TWO (2) PORTABLE CHANGEABLE MESSAGE SIGNS (PCMS) DURING THE LENGTH OF THE PROJECT. THE SIGNS SHALL BE POSTED A MINIMUM OF SEVENTY-TWO (72) HOURS PRIOR TO THE BEGINNING OF THE TRAFFIC IMPACTS. PCMS'S SHALL COMPLY WITH STATE SPECIFICATION 12-3.32. ADDITIONAL SIGNS MAY BE REQUIRED TO MEET THE APPROVED TRAFFIC CONTROL PLAN AND SHALL BE PROVIDED AT NO ADDITIONAL COST TO THE CITY.

44. THE CONTRACTOR SHALL COVER ALL TRENCHES WITHIN IMPROVED AREAS AT THE END OF EACH WORKDAY PER CITY SPECIFICATIONS AND ANY SPECIAL PROVISIONS. ALL TRENCH PLATES NEED TO BE FLUSH WITH FINISHED GRADE OF ROADWAY (RECESSED) AND STAKED. ALL TRAVELED WALKWAYS SHALL BE SAFE AND USABLE AT THE END OF EACH WORKDAY.

45. AC PAVEMENT OVERLAYS SHALL BE KEYED INTO EXISTING PAVEMENT AND TO THE LIP OF GUTTER AT A BUTT JOINT CREATED BY GRINDING 1-1/2 INCHES OF THE EXISTING PAVEMENT.

46. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPLACING ANY AND ALL BROKEN AND/OR HAZARDOUS PUBLIC WALKWAY OR CURBS AS A RESULT OF PROJECT CONSTRUCTION WITHIN THE PROJECT SITE AND ALONG THE SITE FRONTAGE, TO THE SATISFACTION OF THE CONSTRUCTION INSPECTOR.

47. THE CONTRACTOR SHALL BE RESPONSIBLE FOR RECYCLING/DISPOSAL OF ALL BITUMINOUS PAVEMENT, CONCRETE, REINFORCEMENT, AND SPOILS NOT NEEDED FOR BACKFILL PER THE CITY SPECIFICATIONS. MATERIAL DISPOSED OF SHALL ALSO CONFORM TO THE CITY OF FOLSOM MUNICIPAL CODE SECTION 14.29.

48. TRAFFIC STRIPES, RAISED PAVEMENT MARKERS AND PAVEMENT MARKINGS DAMAGED DUE TO THE CONTRACTOR'S OPERATIONS SHALL BE REPLACED PER CITY OF FOLSOM TRAFFIC STANDARDS. PATCHING OF DAMAGED MARKINGS WILL NOT BE ALLOWED WITHOUT PRIOR APPROVAL FROM THE ENGINEER. ALL DAMAGED RAISED PAVEMENT (NON-REFLECTIVE) MARKERS MUST BE CERAMIC. REFER TO SPECIFICATIONS FOR DISPOSAL OF MATERIALS WHICH CONTAIN PAVEMENT MARKINGS AS PAINT MAY CONTAIN LEAD

49. WHERE APPLICABLE, ALL UTILITY COVERS SHALL BE BROUGHT TO GRADE WITHIN 48 HOURS OF PAVING. ALL EXISTING UTILITY VAULTS AND/OR PULL BOXES THAT ARE LOOSE AND/OR BROKEN SHALL BE RE-SECURED AND/OR REPLACED TO THE CITY'S SATISFACTION.

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PAPER SIZE: 22X34 (ANSI D)
0" 1/2" 1"
THIS BAR IS 1 INCH AT FULL SCALE. IF NOT, SCALE ACCORDINGLY.

JOB NO. 361-006
DATE 3/23/2022
DRAWN BY AGP/BF
DESIGNED BY BF
PROJ. MGR. ELJ

REV	DESCRIPTION	DATE	APVD

REVISIONS

CITY OF FOLSOM ENVIRONMENTAL AND WATER RESOURCES

ASHLAND WATER REHABILITATION PROJECT II

GENERAL NOTES - 1

REGISTERED PROFESSIONAL ENGINEER
ERIC L. JONES
C68550
CIVIL
STATE OF CALIFORNIA
02/04/2022

G003
DRAWING NUMBER

SHEET 3 OF 27

WATER NOTES

1. THROUGHOUT THE PLANS AND SPECIFICATIONS, "NEW MAIN" REFERS TO THE (E) 14" ACP OR 18" STL WATER MAIN WHICH WILL PROVIDE WATER SERVICE TO ALL CONNECTIONS AFTER COMPLETION OF THE WORK. "OLD MAIN" REFERS TO THE (E) 4" STL, 6" STL OR 6" ACP WHICH WILL BE DECOMMISSIONED AND ABANDONED IN PLACE.

2. THE TYPES, LOCATIONS, SIZES AND/OR DEPTHS OF EXISTING UNDERGROUND UTILITIES AS SHOWN ON THE CONTRACT DRAWINGS WERE OBTAINED FROM SOURCES OF VARYING RELIABILITY. THE CONTRACTOR IS CAUTIONED THAT ONLY ACTUAL EXCAVATION WILL REVEAL THE TYPES, EXTENT, SIZES, LOCATIONS AND DEPTHS OF UNDERGROUND UTILITIES. A REASONABLE EFFORT HAS BEEN MADE TO LOCATE AND DELINEATE ALL KNOWN UNDERGROUND UTILITIES. HOWEVER, THE CITY CAN ASSUME NO RESPONSIBILITY FOR THE COMPLETENESS OR ACCURACY OF ITS DELINEATION OF SUCH UNDERGROUND UTILITIES NOR FOR THE EXISTENCE OF OTHER BURIED OBJECTS OR UTILITIES WHICH MAY BE ENCOUNTERED BUT NOT SHOWN ON THESE DRAWINGS. THE CONTRACTOR SHALL ASSUME THAT ALL RESIDENTIAL PROPERTIES HAVE SANITARY, WATER AND GAS SERVICES.

3. PERFORM UTILITY LOCATION WHERE INDICATED ON THE PLANS AND ELSEWHERE AS REQUIRED TO CONFIRM EXISTING UTILITY LOCATIONS AND CONNECTION POINTS.

4. CONTRACTOR SHALL USE JACKHAMMERING, SAWCUTTING AND VACTOR TRUCK IN LOCATING EXISTING UTILITIES VIA POTHOLING. WHEN EXCAVATING WITHIN 24–INCHES OF THE OUTSIDE DIAMETER OF A UTILITY, HAND EXPOSE AND PROTECT THE FACILITY PRIOR TO USING POWER EQUIPMENT. ALL UTILITIES MUST BE PROTECTED IN PLACE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPLACING ANY UTILITIES DAMAGED DURING CONSTRUCTION.

5. CONNECTIONS TO EXISTING MAINS SHALL BE EITHER BY CUT–IN OR HOT TAP CONFORMING TO THE FOLLOWING REQUIREMENTS:
   - 5.1. HOT TAP SHALL BE USED ON ALL SERVICE LINE CONNECTIONS AS SPECIFIED IN THE PROJECT MANUAL AND CITY OF FOLSOM WATER DESIGN STANDARDS SECTION 16.4.P – INSTALLATION OF "TIE–IN" CONNECTIONS.
   - 5.2. TAPPING SLEEVES SHALL BE USED ON ALL MAINLINE TIE–INS. TAPPING SLEEVES SHALL BE STAINLESS STEEL WITH A STAINLESS STEEL NPT CONNECTION, COMPLYING WITH AWWA C207, WITH A FULL CIRCUMFERENTIAL SEAL.

6. ALL WATER MAIN PIPING SHALL BE FULLY RESTRAINED BY MECHANICAL MEANS AND THRUST BLOCKS. PIPE RESTRAINT SHALL BE IN ACCORDANCE WITH THE CITY'S DESIGN AND CONSTRUCTION SPECIFICATIONS.

7. DEPTH OF BURY TO THE TOP OF ALL MAINS: MINIMUM 36 INCHES IN STREETS AND DRIVEWAYS, AND MINIMUM 30 INCHES IN LANDSCAPED AREAS UNLESS SPECIFICALLY STATED ON THESE PLANS.

8. ALL DOMESTIC WATER PIPES SHALL BE RESTRAINED DUCTILE IRON PIPE (RDIP), PRESSURE CLASS 350 FOR PIPE 4–INCH TO 12–INCH AND PRESSURE CLASS 250 FOR FOR ABOVE 12–INCH IN DIA. RDIP SHALL BE DOUBLE WRAPPED WITH POLYETHYLENE ENCASED PER SPECIFICATION SECTION 02610.

9. ALL VALVES, FITTINGS, ETC, SHALL BE DIP, MJ & MEGA LUGGED RESTAINED AND SHALL BE POLYETHYLENE ENCASED PER SECTION 4 OF THE CITY OF FOLSOM STANDARD SPECIFICATIONS.

10. ALL WATER SERVICE TAPS TO EXISTING WATER MAINS TO BE INSTALLED BY THE CONTRACTOR SHALL BE MADE WHILE KEEPING THE EXISTING WATER MAIN IN SERVICE AND UNDER PRESSURE. SHUTDOWN OF THE EXISTING WATER MAIN TO FACILITATE THE INSTALLATION OF WATER SERVICE TAPS SHALL NOT BE PERMITTED.

11. ALL NEW RESIDENTIAL DOMESTIC WATER SERVICES SHALL BE 3' FROM ROADWAY UNLESS NOTED OTHERWISE. CURB SHALL BE STAMPED WITH A "W".

12. THE CONTRACTOR SHALL PROVIDE GATE VALVES FOR WATER MAIN ISOLATION FOR PIPELINES 8–INCH IN DIAMETER AND SMALLER AND BUTTERFLY VALVES FOR WATER MAIN ISOLATION FOR PIPELINES 10–INCH IN DIAMETER AND LARGER.

13. WATERLINE VALVES SHALL BE BOLTED DIRECTLY TO THE TEE.

14. BACKFLOW PREVENTION ASSEMBLIES FOR PUBLICLY OWNED SERVICES SHALL BE PROTECTED BY A STRONG BOX, LE MEUR, OR APPROVED EQUIVALENT VANDAL–RESISTANT ENCLOSURE OF ADEQUATE SIZE TO PROVIDE A MINIMUM OF 6 INCHES OF CLEARANCE TO ALL PARTS OF THE ASSEMBLY.

15. A SOLID NO. 10 INSULATED COPPER LOCATING WIRE SHALL BE PLACED WITH ALL PIPES FOR WATER DISTRIBUTION MAINS REGARDLESS OF TYPE OF PIPE MATERIAL. TAPE WITH 10MIL TAPE EVERY 5 FEET.

16. METHOD OF WATER APPURTENANCE (VALVE, BOX, RISER, ETC.) ABANDONMENT SHALL BE IDENTIFIED ON THE PLANS AND FIELD VERIFIED BY WATER QUALITY DEPARTMENT STAFF PRIOR TO BACKFILL.

17. ALL FIRE HYDRANT LEADS AND APPURTENANCES SHALL BE 6" MINIMUM IN ACCORDANCE WITH STANDARD DETAIL WR–08.

18. ALL FIRE HYDRANTS SHALL BE FLUSHED FOR THE FIRE INSPECTOR.

WATER NOTES (CONT.)

19. PROVIDE A MINIMUM 2–FT. BY 2–FT. FLAT CONCRETE SURFACE AROUND EACH FIRE HYDRANT LOCATED IN A LANDSCAPED AREA.

20. FIRE HYDRANTS, SHALL BE PLACED AT LEAST 3–FT FROM EDGE OF PAVEMENT.

21. ALL FIRE HYDRANTS SHALL BE CLOW 960, OR APPROVED EQUIVALENT MEETING THE REQUIREMENTS OF AWWA STANDARD C503. FIRE HYDRANTS SHALL BE PAINTED "SAFETY YELLOW". THE TOP TWO INCHES OF THE HYDRANT AND THE 4–1/2" CAP SHALL BE PAINTED THE APPROPRIATE COLOR IN ACCORDANCE WITH TABLE 1 ON WR–08 DETERMINED BY FIRE FLOW TESTS CONDUCTED BY THE CITY.

22. FOR EACH FIRE HYDRANT, A BLUE TWO–WAY REFLECTIVE MARKER SHALL BE PLACED ON STREET PAVEMENT 6 INCHES OFF STREET CENTERLINE ON HYDRANT SIDE.

23. REQUIREMENTS FOR TESTING, STERILIZATION AND DISINFECTION, AND CONNECTION SHALL BE IN ACCORDANCE WITH SECTION 01757 – DISINFECTION AND TESTING.

24. THE CONTRACTOR SHALL PROVIDE POSITIVE ISOLATION OF THE PROPOSED MAIN FROM THE EXISTING MAIN, AS APPROVED BY THE CITY, DURING CONSTRUCTION, TESTING, CHLORINATION, AND FINAL–CONNECTION PROCEDURES, AS SPECIFIED IN AWWA C651.

25. THE CONTRACTOR IS REQUIRED TO SET THE WATER METER BOX AND LID, WATER METER, AND WATER SERVICE LINE.

26. THE CONTRACTOR SHALL INSTALL THE WATER METERS. THE CONTRACTOR SHALL NOTIFY THE CITY'S WATER METER DIVISION 5 DAYS PRIOR TO THE WATER METER BEING INSTALLED SO THAT THEY CITY CAN SUPPLY THE CONTRACTOR WITH THE WATER METER.

CONSTRUCTION WATER

1. DURING WATER CONSERVATION STAGES 3, 4 AND 5, NO WATER FROM THE CITY'S WATER SYSTEM SHALL BE USED FOR CONSTRUCTION PURPOSES SUCH AS DUST CONTROL, COMPACTION, OR TRENCH JETTING. THE CITY MAY PROHIBIT THE USE OF POTABLE WATER FOR GRADING AND/OR CONSTRUCTION PURPOSES ON THE PROJECT IN ITS SOLE DISCRETION REGARDLESS OF WATER CONSERVATION STAGE

2. WATER FOR CONSTRUCTION PURPOSES OBTAINED FROM CITY'S WATER SUPPLY MAY ONLY BE USED IN THE CITY'S WATER SERVICE AREA. WATER FOR DUST CONTROL, COMPACTION AND OTHER CONSTRUCTION ACTIVITIES SHALL BE SUBJECT TO THE FOLLOWING CONDITIONS:

   A. USE OF WATER FROM THE CITY WATER SYSTEM FOR CONSTRUCTION PURPOSES SHALL REQUIRE A CITY ISSUED CONSTRUCTION WATER METER AND A REFUNDABLE SECURITY DEPOSIT THAT INCLUDES A MONTHLY METER RENTAL FEE AS ESTABLISHED BY THE DEPARTMENT. PRIOR TO SUCH WATER USE, THE CONSTRUCTION WATER CUSTOMER MUST OBTAIN APPROVAL FROM THE DIRECTOR TO USE THE WATER FOR CONSTRUCTION AND AGREE TO COMPLY WITH ALL OF THE REQUIREMENTS OF THIS CHAPTER. THE DIRECTOR MAY IMPOSE SUCH ADDITIONAL CONDITIONS ON THE USE OF SUCH WATER, INCLUDING, BUT NOT LIMITED TO, CONDITIONS REGULATING THE PURPOSE FOR THE USE OF THE WATER, RATE OF USE, LOCATION, FREQUENCY AND QUANTITY OF USE, AND SUCH OTHER CONDITIONS AS DEEMED REASONABLY NECESSARY BY THE DIRECTOR TO EFFECTUATE THE PURPOSES OF THIS CHAPTER. THE CONSTRUCTION METER SHALL BE LOCATED BY THE DEPARTMENT AND SHALL ONLY BE RELOCATED OR REMOVED BY THE DEPARTMENT. UNAUTHORIZED RELOCATION OR REMOVAL OF A CONSTRUCTION METER SHALL BE DEEMED THEFT AND THE OFFENDER SHALL BE SUBJECT TO PENALTIES SET FORTH IN ORDINANCE NO. 1118 SECTION 13.26.170.

   B. CONSTRUCTION WATER SHALL ONLY BE DRAWN THROUGH A CONSTRUCTION WATER METER. CONSTRUCTION WATER DRAWN THROUGH AN UNMETERED CONNECTION SHALL BE DEEMED THEFT OF WATER AND SHALL BE GROUNDS FOR THE DEPOSIT ON THE CONSTRUCTION METER TO BE FORFEITED. THE OFFENDER SHALL ALSO BE SUBJECT TO PENALTIES SPECIFIED IN SECTION 13.26.170. IN THE EVENT THE PERSON IDENTIFIED AS DRAWING WATER WITHOUT A METERED CONNECTION DOES NOT HAVE A METER, THE ACTION SHALL BE DEEMED THEFT AND THE OFFENDER SHALL BE SUBJECT TO PENALTIES SPECIFIED IN ORDINANCE NO. 1118 SECTION 13.26.170.

   C. THESE REQUIREMENTS FOR CONSTRUCTION WATER USE MAY BE MODIFIED OR SUPPLEMENTED BY OTHER CONSERVATION MEASURES AS DETERMINED APPROPRIATE BY THE DIRECTOR FOR THE DECLARED CONSERVATION STAGE. THE DIRECTOR MAY TERMINATE THE APPROVAL GRANTED TO USE THE CONSTRUCTION WATER BASED ON WATER USE RESTRICTION STAGES, VIOLATION OF THE TERMS AND CONDITIONS OF USE, AND/OR FOR CONDUCT THAT AMOUNTS TO WASTEFUL USE OF WATER.

PRECONSTRUCTION SURVEYS

1. IF PROJECT CONSTRUCTION WILL TAKE PLACE BETWEEN MARCH 15 AND AUGUST 31ST, THE CONTRACTOR SHALL HIRE AND PAY FOR A QUALIFIED BIOLOGIST OR ORNITHOLOGIST TO CONDUCT A PRECONSTRUCTION NESTING BIRD SURVEY PRIOR TO THE START OF CONSTRUCTION ACTIVITY. IF NO RAPTOR OR SPECIAL STATUS BIRD NESTS ARE FOUND DURING THE SURVEYS, CONSTRUCTION MAY PROCEED UNCONSTRAINED BY CONFLICTS WITH RAPTORS AND/OR MIGRATORY BIRDS. IF NESTS ARE FOUND, CONSTRUCTION ACTIVITIES WITHIN 300 FEET SHALL BE POSTPONED UNTIL THE FLEDGLINGS HAVE LEFT THE NEST. THE TIME OF THE BIRD'S DEPARTURE MUST BE DETERMINED BY A QUALIFIED WILDLIFE BIOLOGIST. IF THE PROJECT WILL TAKE PLACE OUTSIDES OF THE NESTING SEASON THE PROPOSED PROJECT WILL NOT INCLUDE A NESTING BIRD SURVEY.

INSPECTIONS

1. ALL CONSTRUCTION OR WORK SHALL BE SUBJECTED TO INSPECTION BY THE CITY OF FOLSOM BUILDING OFFICIAL/CITY ENGINEER (OR HIS/HER REPRESENTATIVES) AND SUCH CONSTRUCTION OR WORK SHALL REMAIN ACCESSIBLE AND EXPOSED FOR INSPECTION PURPOSED UNTIL APPROVED. APPROVAL AS A RESULT OF AN INSPECTION SHALL NOT BE CONSTRUED TO BE AN APPROVAL OF A VIOLATION OF THE PROVISIONS OF THIS CODE OR OF OTHER ORDINANCES OF THE JURISDICTION. INSPECTIONS PRESUMING TO GIVE AUTHORITY TO VIOLATE OR CANCEL THE PROVISIONS OF THE CODE OR OF OTHER ORDINANCES OF THE JURISDICTION SHALL NOT BE VALID. IT SHALL BE THE DUTY OF THE PERMIT APPLICANT TO CAUSE THE WORK TO REMAIN ACCESSIBLE AND EXPOSED FOR INSPECTION PURPOSES. NEITHER THE BUILDING OFFICIAL NOR THE JURISDICTION SHALL BE LIABLE FOR EXPENSE ENTAILED IN THE REMOVAL OR REPLACEMENT OF ANY MATERIAL REQUIRED TO ALLOW INSPECTION. C.B.C SECTION 110

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JOB NO. 361-006
DATE 3/23/2022
DRAWN BY AGP/BF
DESIGNED BY BF
PROJ. MGR. ELJ

REV	DESCRIPTION	DATE	APVD

REVISIONS

CITY OF FOLSOM ENVIRONMENTAL AND WATER RESOURCES

ASHLAND WATER REHABILITATION PROJECT II

GENERAL NOTES - 2

REGISTERED PROFESSIONAL ENGINEER ★ ELIZABETH L. JONES ★ C68550 CIVIL ★ STATE OF CALIFORNIA ★
02/04/2022

G004
DRAWING NUMBER

SHEET 4 OF 27

GENERAL SEQUENCE OF WORK

1. THE CONTRACTOR SHALL CONDUCT WORK IN ACCORDANCE WITH THE FOLLOWING SEQUENCE. REFER TO SPECIFICATIONS FOR ADDITIONAL WORK SEQUENCING REQUIREMENTS.
2. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS, SUBMIT A CONSTRUCTION PROCEDURE, SEQUENCE OF OPERATIONS AND SPECIAL CONSTRAINT WORK PLAN, ALL TRAFFIC CONTROL PLANS AND NON-PERMITTED SWPPP AND SECURE CITY APPROVAL PRIOR TO SCHEDULING ANY CONSTRUCTION ACTIVITY. SEE SPECIFICATION FOR DETAILS RELATED TO THE WORK PLAN, SHUT DOWN OF THE (E) WATER SYSTEM AND CONTINGENCY PLANNING REQUIREMENTS.
3. THE CONTRACTOR SHALL NOTIFY AFFECTED PROPERTY OWNERS AND THE CITY AS INDICATED IN THE SPECIFICATIONS AND PRIOR TO MOBILIZATION.
4. POTHOLE TO VERIFY LOCATIONS, SIZE AND MATERIAL OF EXISTING FACILITIES. SEE UTILITY LOCATION SCHEDULE FOR MINIMUM UTILITY LOCATING REQUIRED FOR POTHOLE SUBMITTAL. CONTRACTOR TO NOTE THAT ADDITIONAL UTILITY LOCATING IS REQUIRED FOR CONSTRUCTION AND THIS IS THE RESPONSIBILITY OF THE CONTRACTOR TO PERFORM. SEE SPECIFICATION SECTION 02610.
5. VERIFY WORK WITH CITY AND ENGINEER BASED ON RESULTS OF POTHOLING ACTIVITIES PRIOR TO ORDERING PIPE MATERIALS.
6. WORK SHALL START AT THE NORTH END OF BALDWIN AND PROGRESS SOUTH TOWARD VALLEY PINES DRIVE.
   - 6.1. STEP 1: COMPLETE ALL NEW ISOLATION VALVES AND TEES AND NEW WATERLINE WORK NEEDED TO INSTALL TIE-INS ON THE NEWER 14" WATER MAIN (I.E. MOSSWOOD CIRCLE, VALLEY PINES DRIVE, ETC.) – LEAVE NEW TEES INSTALLED ON 14" DISCONNECTED FROM EXISTING MAIN ON MOSSWOOD CIRCLE, VALLEY PINES, ETC. DO NOT OPERATE VALVES OR TIE INTO THE EXISTING MAIN UNTIL CONCRETE STRENGTH ON THRUST RESTRAINTS HAS BEEN REACHED.
   - 6.2. STEP 2: COMPLETE ALL CUT IN FIRE HYDRANTS. LEAVE NEW TEES INSTALLED ON 14" DISCONNECTED FROM SERVICE UNTIL CONCRETE STRENGTH ON THRUST RESTRAINTS HAS BEEN REACHED.
   - 6.3. STEP 2: ALL SERVICES SHALL BE TRANSFERRED TO THE NEW 14" WATER MAIN ONE SERVICE AT A TIME TO MINIMIZE DOWNTIME.
   - 6.4. STEP 3: TRANSFER EXISTING WATER MAINS ON SOUTHCREEK CIRCLE, MOSSWOOD CIRCLE, VALLEY PINES, ETC OVER TO THE NEWLY INSTALLED TEES ON THE 14" AND ABANDON THE OLD STEEL MAIN AS THE TIE-INS OCCUR. WHERE TEMPORARY THRUST RESTRAINT IS SHOWN, INSTALL AND LET CONCRETE REACH SPECIFIED STRENGTH PRIOR TO CUTTING AND INSTALLING NEW FITTINGS.
7. TEST AND DISINFECT NEW SERVICE LATERALS SEPARATELY PER SPECIFICATIONS FOR EACH CONNECTION.
8. CONNECT NEW SERVICE LATERALS TO EXISTING WATER MAIN AS SHOWN ON THE PLANS USING HOT TAP CONNECTION METHOD.
9. ALL WATER SERVICE CONNECTIONS SHALL REMAIN IN SERVICE UNTIL ALL WATER SERVICE CONNECTIONS WITHIN THE SAME GROUP OF SERVICES HAVE BEEN TRANSFERRED TO THE NEW MAIN AND CITY HAS CONFIRMED THAT NO ADDITIONAL SERVICES ARE CONNECTED TO THE OLD MAIN. SEE APPENDIX D OF THE PROJECT MANUAL FOR WATER SERVICE OUTAGE MAPS THAT ILLUSTRATE THE AFFECTED FACILITIES FOR EACH SERVICE GROUP.
10. DECOMMISSION THE OLD MAIN WITH MECHANICAL SEALS OR WELDED PLATE PER SPECIFICATIONS.
11. DECOMMISSION ANY TEMPORARY MAIN CONNECTIONS BY REMOVING SECTION OF PIPE AND LATERAL TEE (IF APPLICABLE) AND SEALING NEW MAIN.
12. DEMOLITION OF EXISTING ASHLAND PUMP STATION AND RELATED WATER MAIN REPLACEMENT MAY BE COMPLETED AT ANY TIME DURING CONSTRUCTION.
13. SLURRY SEAL AND STRIPE ROADS PER SPECIFICATION 02500.

UTILITY LOCATION SCHEDULE

UTILITY LOCATION NO.	UTILITIES TO VERIFY	SIZE	NORTHING*	EASTING*
ULT1	WATER AND GAS	14" AND UNK.	2021721.58	6795222.64
PH1	WATER	14"	2021704.55	6795186.60
ULT2	WATER AND GAS	6" AND UNK.	2021203.85	6795206.58
PH2	WATER	4"/6"	2020438.81	6795197.79
PH3	WATER	6"	2020056.31	6795190.81
PH4	WATER	4"	2020046.75	6795169.96
ULT3	WATER AND GAS	1" AND UNK.	2018917.78	6795158.98
ULT4	WATER	1"	2018668.54	6795146.82
PH5	WATER	6"	2017008.74	6795146.23
PH6	WATER	6"	2017052.91	6795115.08
PH7	WATER	14"	2017058.97	6795105.26
PH8	WATER	18"	2016876.97	6795103.96
PH9	WATER	18"	2015237.15	6796055.21
PH10	WATER	18"	2015232.15	6796055.27
PH11	WATER	18"	2015206.60	6796060.03
PH12	WATER	18"	2015200.98	6796059.99

* COORDINATES ARE APPROXIMATE. CONTRACTOR SHALL CONFIRM EXACT LOCATION. UTILITY LOCATION TRENCH NORTHING AND EASTING REPRESENT THE CENTER OF TRENCH

SURVEY NOTES

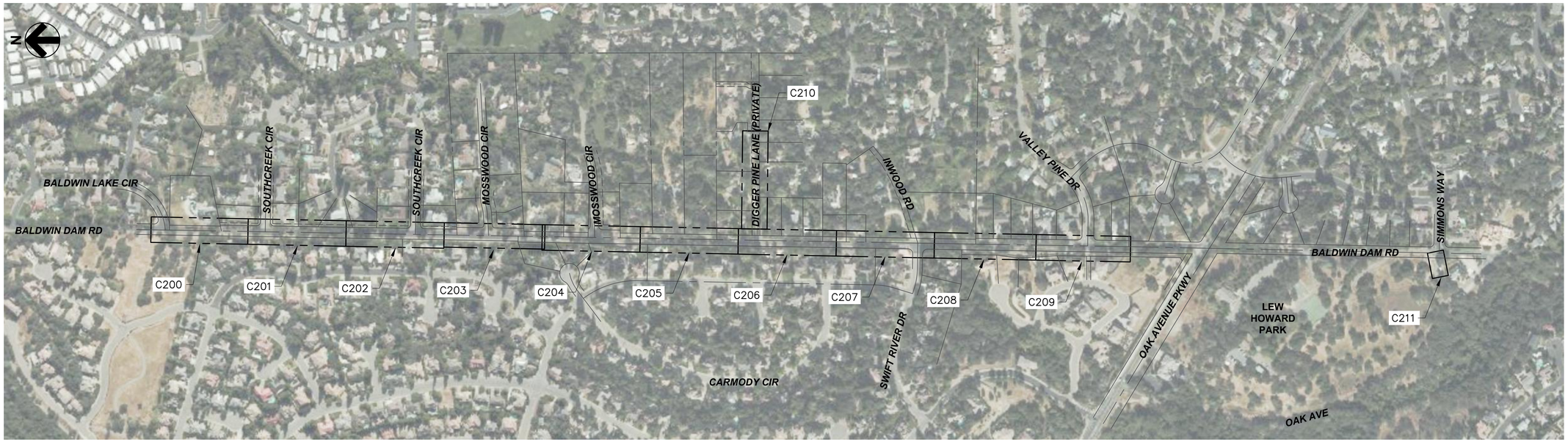
HORIZONTAL DATUM
NORTH AMERICAN DATUM OF 1983 (NAD83).

COORDINATE SYSTEM
COORDINATES SHOWN HEREON ARE GROUND AND BASED ON THE CALIFORNIA COORDINATE SYSTEM OF 1983 (CCS83), ZONE II.

VERTICAL DATUM
NATIONAL GEODETIC VERTICAL DATUM OF 1929 (NGVD29)

PROJECT BENCHMARK
2" BRASS DISK, STAMPED CITY OF FOLSOM B.M. 66 AT BACK OF WALK AT EAST END OF THE NORTHEAST CURB RETURN AT THE INTERSECTION OF OAK AVENUE AND CASCADE FALLS DRIVE.

ELEVATION=270.37 FEET (NGVD29)



KEY MAP

SCALE: NTS

HydroScience
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SACRAMENTO, CA 95827
OFFICE: 916.364.1490

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DATE 3/23/2022
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DESIGNED BY BF
PROJ. MGR. ELJ

REV	DESCRIPTION	DATE	APVD

REVISIONS

CITY OF FOLSOM ENVIRONMENTAL AND WATER RESOURCES

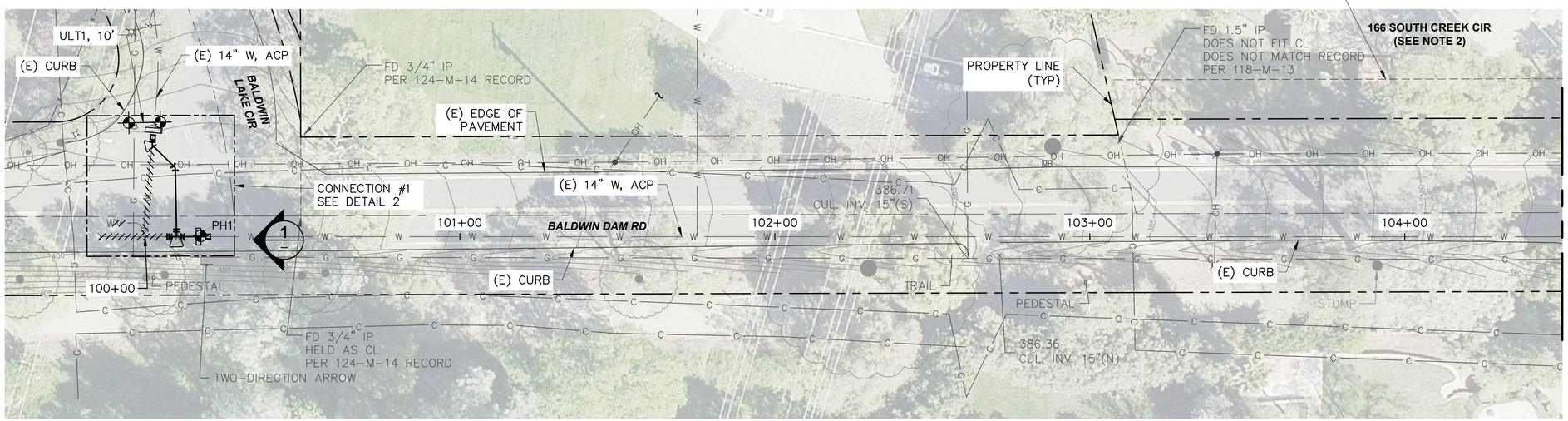
ASHLAND WATER REHABILITATION PROJECT II

GENERAL SEQUENCE OF WORK, SCHEDULE, SURVEY NOTES & KEY MAP

REGISTERED PROFESSIONAL ENGINEER ELIZABETH L. JONES C68550 CIVIL STATE OF CALIFORNIA
02/04/2022

G005
DRAWING NUMBER

SHEET 5 OF 27



PLAN VIEW

SCALE: 1"=20'-0"

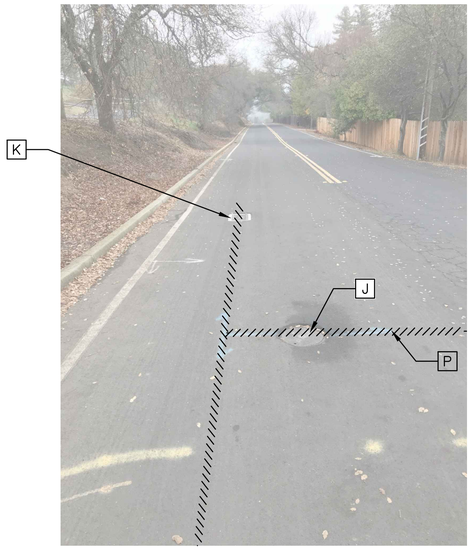
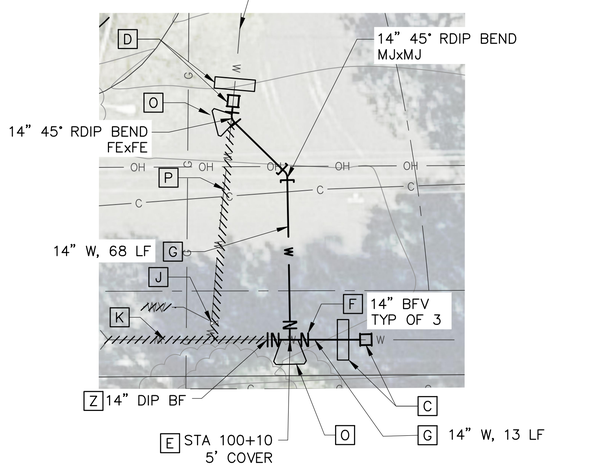


PHOTO - TIE-IN

1

SCALE: NO SCALE



CONNECTION DETAIL #1

2

SCALE: 1" = 10'

NOTES

1. POTHOLE TO VERIFY LOCATION, SIZE AND MATERIAL OF EXISTING WATER MAIN PRIOR TO ORDERING PIPING AND CONNECTION FITTINGS.
2. WATER SERVICE LATERAL IMPROVEMENTS NOT REQ'D FOR THIS ADDRESS.
3. FOR WORK WITHIN THE ROADWAY BACKFILL AND RESTORE ASPHALT ROAD SECTION USING T-CUT AND GRIND ON ALL SIDES OF THE EXCAVATION PER DET D/253.
4. FOR WORK OUTSIDE OF THE ROADWAY BACKFILL PER DET A/C253 AND RESTORE ALL EXISTING SURFACE CONDITIONS AS SHOWN IN PHOTO REFERENCE, SPECIFICATIONS AND SIGNED RIGHT OF ENTRY AGREEMENTS.
5. SEE SEQUENCE OF OPERATION NOTES ON DWG G005 FOR OPERATION DURING THE DECOMMISSIONING PROCESS. CONTRACTOR TO NOTE THAT EXISTING MAIN MUST REMAIN IN SERVICE DURING THIS TIME AND THAT DECOMMISSIONING OF EXISTING MAIN CANNOT COMMENCE WITHOUT WRITTEN CITY APPROVAL.
6. REMOVE (E) WATER MAIN AND TRUST BLOCKS AS REQ'D TO INSTALL NEW MAIN TIE-INS.

CONSTRUCTION NOTES

- [C] CONSTRUCT NEW FULLY RESTRAINED CONNECTION TO ACP PER DET A/C251.
- [D] CONSTRUCT NEW FULLY RESTRAINED CONNECTION TO ACP PER DET B/C251.
- [E] CONSTRUCT NEW CUT IN RESTRAINED DIP TEE, FExFE.
- [F] CONSTRUCT NEW ISOLATION VALVE PER DET D/C252.
- [G] CONSTRUCT NEW RESTRAINED DIP. INSTALL CATHODIC PROTECTION PER DETAILS ON C255 AND C256.
- [J] REMOVE (E) WATER VALVE, ASSOCIATED VALVE BOX AND APPURTENANCES DOWN TO 2.5' BELOW GRADE.
- [K] REMOVE (E) BLOW OFF VALVE, ASSOCIATED VALVE BOX AND APPURTENANCES DOWN TO 2.5' BELOW GRADE.
- [O] PROVIDE THRUST BLOCK AT THIS LOCATION PER DET C/C252.
- [P] REMOVE (E) WATER MAIN.
- [Z] PROVIDE TEMPORARY DIP TO ACP TRANSITION SLEEVE TYPE COUPLING TO CONNECT (E) ACP DURING INSTALLATION OF VALVE TEE PER DET A/C250. BF SHALL BE INSTALLED AFTER THRUST BLOCK AND THRUST WALL HAVE REACH FULL STRENGTH.

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REVISIONS

CITY OF FOLSOM ENVIRONMENTAL AND WATER RESOURCES

ASHLAND WATER REHABILITATION PROJECT II

PLAN & PHOTOS - BALDWIN DAM ROAD - STA 100+00 TO 104+50

REGISTERED PROFESSIONAL ENGINEER ERIC L. JONES C68550 CIVIL STATE OF CALIFORNIA
02/04/2022

C200
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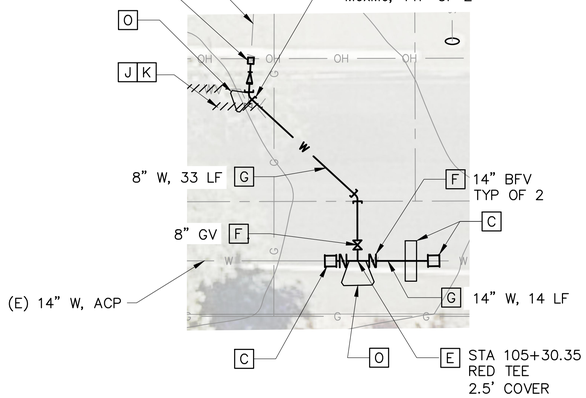
PLAN VIEW

SCALE: 1"=20'-0"



CONNECTION DETAIL #2

SCALE: 1" = 10'

1

NOTES

1. POTHOLE TO VERIFY LOCATION, SIZE AND MATERIAL OF EXISTING WATER MAIN PRIOR TO ORDERING PIPING AND CONNECTION FITTINGS.
2. WATER SERVICE LATERAL IMPROVEMENTS NOT REQ'D FOR THIS ADDRESS.
3. FOR WORK WITHIN THE ROADWAY BACKFILL AND RESTORE ASPHALT ROAD SECTION USING T-CUT AND GRIND ON ALL SIDES OF THE EXCAVATION PER DET D/253.
4. FOR WORK OUTSIDE OF THE ROADWAY BACKFILL PER DET A/C253 AND RESTORE ALL EXISTING SURFACE CONDITIONS AS SHOWN IN PHOTO REFERENCE, SPECIFICATIONS AND SIGNED RIGHT OF ENTRY AGREEMENTS.
5. SEE SEQUENCE OF OPERATION NOTES ON DWG G005 FOR OPERATION DURING THE DECOMMISSIONING PROCESS. CONTRACTOR TO NOTE THAT EXISTING MAIN MUST REMAIN IN SERVICE DURING THIS TIME AND THAT DECOMMISSIONING OF EXISTING MAIN CANNOT COMMENCE WITHOUT WRITTEN CITY APPROVAL.
6. REMOVE (E) WATER MAIN AND TRUST BLOCKS AS REQ'D TO INSTALL NEW MAIN TIE-INS.

CONSTRUCTION NOTES

- C CONSTRUCT NEW FULLY RESTRAINED CONNECTION PER DET A/C251.
- D CONSTRUCT NEW FULLY RESTRAINED CONNECTION PER DET B/C251.
- E CONSTRUCT NEW CUT IN RESTRAINED DIP TEE, FExFE.
- F CONSTRUCT NEW ISOLATION VALVE PER DET D/C252.
- G CONSTRUCT NEW RESTRAINED DIP. INSTALL CATHODIC PROTECTION PER DETAILS ON C255 AND C256.
- J REMOVE (E) WATER VALVE, ASSOCIATED VALVE BOX AND APPURTENANCES DOWN TO 2.5' BELOW GRADE.
- K REMOVE (E) BLOW OFF VALVE , ASSOCIATED VALVE BOX AND APPURTENANCES DOWN TO 2.5' BELOW GRADE.
- O PROVIDE THRUST BLOCK AT THIS LOCATION PER DET C/C252.

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REVISIONS

CITY OF FOLSOM ENVIRONMENTAL AND WATER RESOURCES

ASHLAND WATER REHABILITATION PROJECT II

PLAN & PHOTOS - BALDWIN DAM ROAD - STA 104+50 TO 109+50

REGISTERED PROFESSIONAL ENGINEER ERIC L. JONES C68550 CIVIL STATE OF CALIFORNIA
02/04/2022

C201
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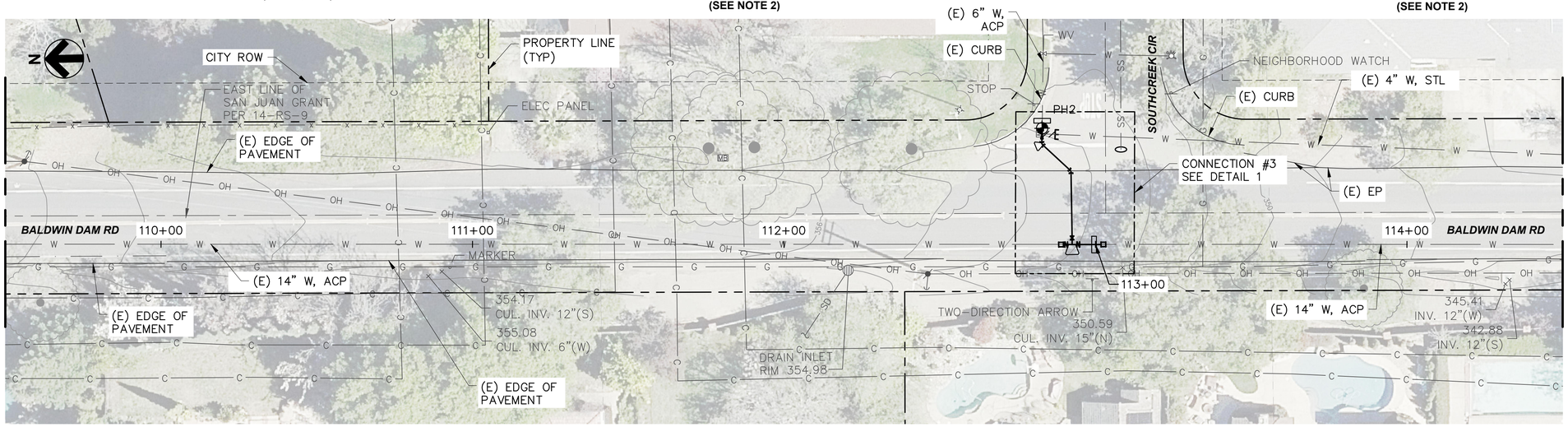

PLAN VIEW

SCALE: 1"=20'-0"

CONNECTION DETAIL #3

SCALE: 1" = 10'

1 / –

NOTES

1. POTHOLE TO VERIFY LOCATION, SIZE AND MATERIAL OF EXISTING WATER MAIN PRIOR TO ORDERING PIPING AND CONNECTION FITTINGS.
2. WATER SERVICE LATERAL IMPROVEMENTS NOT REQ'D FOR THIS ADDRESS.
3. FOR WORK WITHIN THE ROADWAY BACKFILL AND RESTORE ASPHALT ROAD SECTION USING T-CUT AND GRIND ON ALL SIDES OF THE EXCAVATION PER DET D/253.
4. FOR WORK OUTSIDE OF THE ROADWAY BACKFILL PER DET A/C253 AND RESTORE ALL EXISTING SURFACE CONDITIONS AS SHOWN IN PHOTO REFERENCE, SPECIFICATIONS AND SIGNED RIGHT OF ENTRY AGREEMENTS.
5. SEE SEQUENCE OF OPERATION NOTES ON DWG G005 FOR OPERATION DURING THE DECOMMISSIONING PROCESS. CONTRACTOR TO NOTE THAT EXISTING MAIN MUST REMAIN IN SERVICE DURING THIS TIME AND THAT DECOMMISSIONING OF EXISTING MAIN CANNOT COMMENCE WITHOUT WRITTEN CITY APPROVAL.
6. REMOVE (E) WATER MAIN AND TRUST BLOCKS AS REQ'D TO INSTALL NEW MAIN TIE-INS.

CONSTRUCTION NOTES

- [C] CONSTRUCT NEW FULLY RESTRAINED CONNECTION PER DET A/C251.
- [D] CONSTRUCT NEW FULLY RESTRAINED CONNECTION PER DET B/C251.
- [E] CONSTRUCT NEW CUT IN RESTRAINED DIP TEE, FExFE.
- [F] CONSTRUCT NEW ISOLATION VALVE PER DET D/C252.
- [G] CONSTRUCT NEW RESTRAINED DIP. INSTALL CATHODIC PROTECTION PER DETAILS ON C255 AND C256.
- [K] REMOVE (E) BLOW OFF VALVE , ASSOCIATED VALVE BOX AND APPURTENANCES DOWN TO 2.5' BELOW GRADE.
- [O] PROVIDE THRUST BLOCK AT THIS LOCATION PER DET C/C252.
- [P] REMOVE (E) WATER MAIN MIN OF 3' FROM (N) WATER MAIN AND SEAL PER PIPE ABANDONMENT DETAILS ON C253.

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REVISIONS

CITY OF FOLSOM ENVIRONMENTAL AND WATER RESOURCES

ASHLAND WATER REHABILITATION PROJECT II

PLAN & PHOTOS - BALDWIN DAM ROAD - STA 109+50 TO 114+50

REGISTERED PROFESSIONAL ENGINEER ERIC L. JONES C68550 CIVIL STATE OF CALIFORNIA
02/04/2022

C202
DRAWING NUMBER

SHEET 8 OF 27

Plot Date: 5/5/2022 3:45 PM
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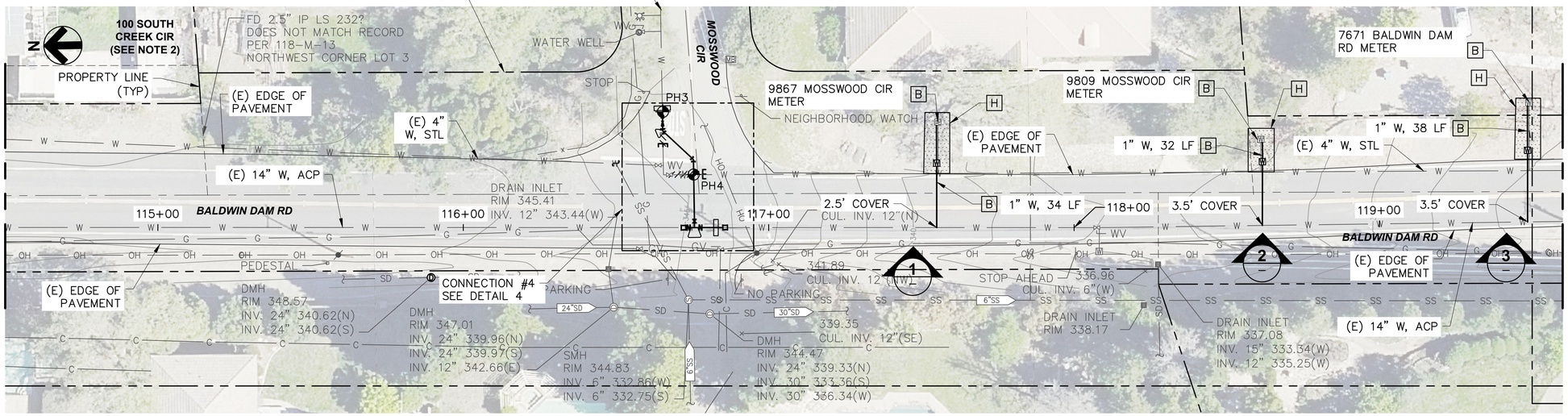

PLAN VIEW

SCALE: 1"=20'-0"

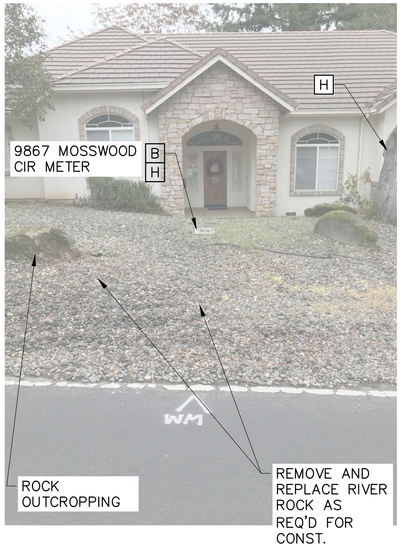

PHOTO - METER

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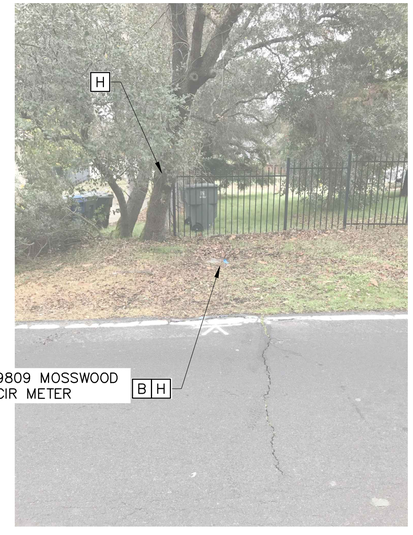


PHOTO - METER

SCALE: NO SCALE

2

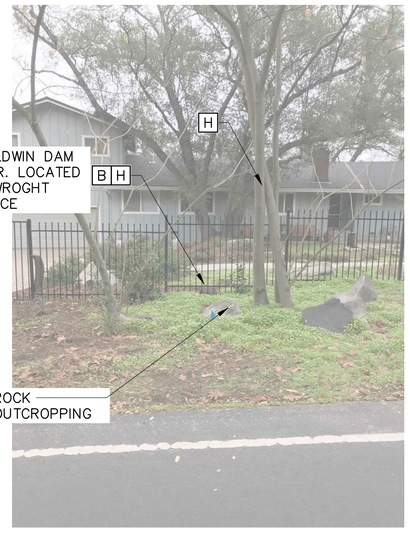
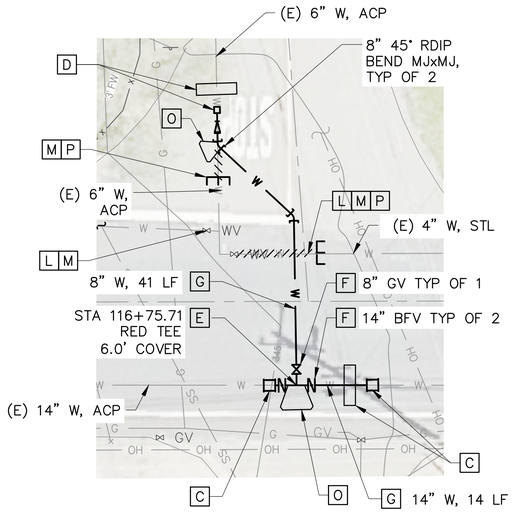


PHOTO - METER

SCALE: NO SCALE

3



CONNECTION DETAIL #4

SCALE: 1" = 10'

4

NOTES

1. POTHOLE TO VERIFY LOCATION, SIZE AND MATERIAL OF EXISTING WATER MAIN PRIOR TO ORDERING PIPING AND CONNECTION FITTINGS.
2. WATER SERVICE LATERAL IMPROVEMENTS NOT REQ'D FOR THIS ADDRESS.
3. FOR WORK WITHIN THE ROADWAY BACKFILL AND RESTORE ASPHALT ROAD SECTION USING T-CUT AND GRIND ON ALL SIDES OF THE EXCAVATION PER DET D/253.
4. FOR WORK OUTSIDE OF THE ROADWAY BACKFILL PER DET A/C253 AND RESTORE ALL EXISTING SURFACE CONDITIONS AS SHOWN IN PHOTO REFERENCE, SPECIFICATIONS AND SIGNED RIGHT OF ENTRY AGREEMENTS.
5. SEE SEQUENCE OF OPERATION NOTES ON DWG G005 FOR OPERATION DURING THE DECOMMISSIONING PROCESS. CONTRACTOR TO NOTE THAT EXISTING MAIN MUST REMAIN IN SERVICE DURING THIS TIME AND THAT DECOMMISSIONING OF EXISTING MAIN CANNOT COMMENCE WITHOUT WRITTEN CITY APPROVAL.
6. REMOVE (E) WATER MAIN AND TRUST BLOCKS AS REQ'D TO INSTALL NEW MAIN TIE-INS.

CONSTRUCTION NOTES

- [B] CONSTRUCT NEW WATER SERVICE LATERAL WITH NEW METER BOX PER DET A/C250. REMOVE EXISTING METER BOX, METER, ANGLE METER STOP AND ALL OTHER ASSOCIATED METER APPURTENANCES AND CONNECT TO EXISTING WATER SERVICE PIPING.
- [C] CONSTRUCT NEW FULLY RESTRAINED CONNECTION PER DET A/C251.
- [D] CONSTRUCT NEW FULLY RESTRAINED CONNECTION PER DET B/C251.
- [E] CONSTRUCT NEW CUT IN RESTRAINED DIP TEE, FExFE.
- [F] CONSTRUCT NEW ISOLATION VALVE PER DET D/C252.
- [G] CONSTRUCT NEW RESTRAINED DIP. INSTALL CATHODIC PROTECTION PER DETAILS ON C255 AND C256.
- [H] ALL EXCAVATION WORK IDENTIFIED WITHIN THE SHADED AREA, WHETHER INSIDE OR OUTSIDE OF THE CRITICAL ROOT ZONE, MUST BE ACCOMPLISHED BY USE OF HAND DIGGING TO PRESERVE AND PROTECT EXISTING TREE ROOTS. SEE SPECIFICATION SECTION 01140 FOR ADDITIONAL INFORMATION.
- [L] ABANDON EXISTING VALVE AND REMOVE VALVE BOX RISER AND APPURTENANCES DOWN TO 2.5' BELOW GRADE.
- [M] MAINTAIN EXISTING MAIN CONNECTION AND ISOLATION VALVE DURING THE DECOMMISSIONING PROCESS.
- [O] PROVIDE THRUST BLOCK AT THIS LOCATION PER DET C/C252.
- [P] REMOVE (E) WATER MAIN MIN OF 3' FROM (N) WATER MAIN AND SEAL PER PIPE ABANDONMENT DETAILS ON C253.

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REVISIONS

CITY OF FOLSOM ENVIRONMENTAL AND WATER RESOURCES

ASHLAND WATER REHABILITATION PROJECT II

PLAN & PHOTOS - BALDWIN DAM ROAD - STA 114+50 TO 119+60

REGISTERED PROFESSIONAL ENGINEER ERIC L. JONES C68550 CIVIL STATE OF CALIFORNIA
02/04/2022

C203
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SHEET 9 OF 27

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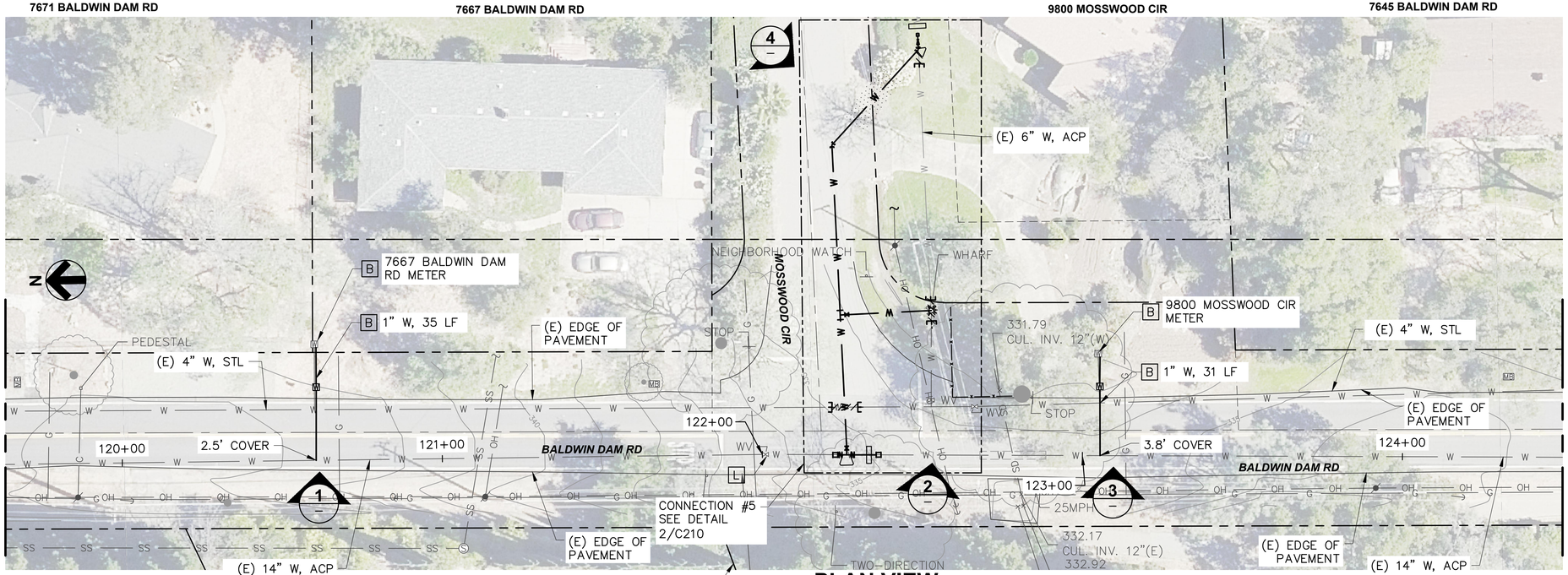
Plot Date: 5/5/2022 3:45 PM



PLAN VIEW

SCALE: 1"=20'-0"

PHOTO - METER 1

SCALE: NO SCALE

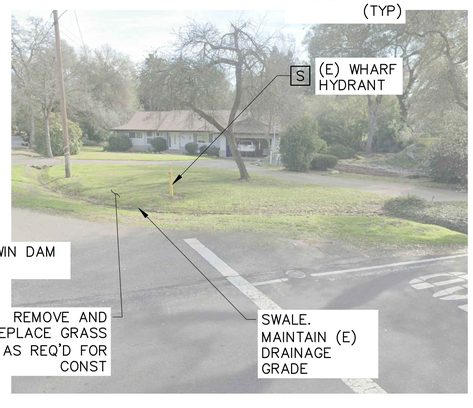


PHOTO - HYDRANT 2

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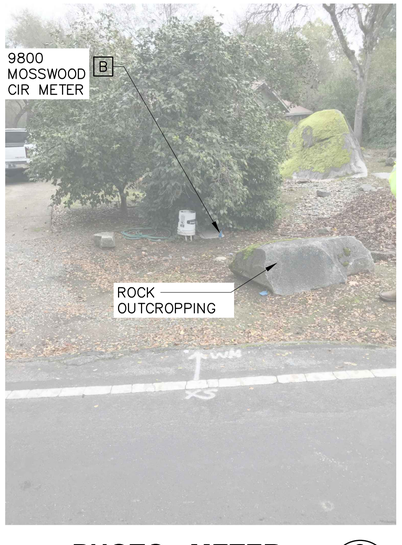

PHOTO - METER 3

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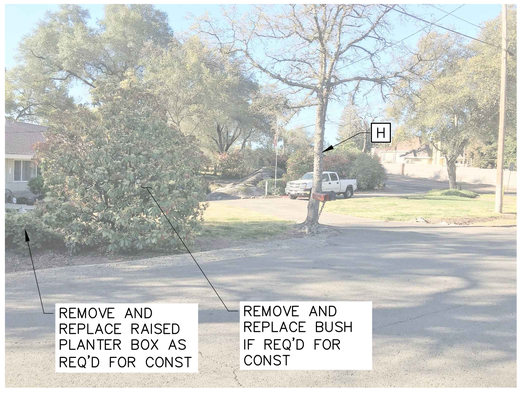

PHOTO - CONNECTION 4

SCALE: NO SCALE

NOTES

1. POTHOLE TO VERIFY LOCATION, SIZE AND MATERIAL OF EXISTING WATER MAIN PRIOR TO ORDERING PIPING AND CONNECTION FITTINGS.
2. WATER SERVICE LATERAL IMPROVEMENTS NOT REQ'D FOR THIS ADDRESS.
3. FOR WORK WITHIN THE ROADWAY BACKFILL AND RESTORE ASPHALT ROAD SECTION USING T-CUT AND GRIND ON ALL SIDES OF THE EXCAVATION PER DET D/253.
4. FOR WORK OUTSIDE OF THE ROADWAY BACKFILL PER DET A/C253 AND RESTORE ALL EXISTING SURFACE CONDITIONS AS SHOWN IN PHOTO REFERENCE, SPECIFICATIONS AND SIGNED RIGHT OF ENTRY AGREEMENTS.
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6. REMOVE (E) WATER MAIN AND TRUST BLOCKS AS REQ'D TO INSTALL NEW MAIN TIE-INS.

CONSTRUCTION NOTES

[B] CONSTRUCT NEW WATER SERVICE LATERAL WITH NEW METER BOX PER DET A/C250. REMOVE EXISTING METER BOX, METER, ANGLE METER STOP AND ALL OTHER ASSOCIATED METER APPURTENANCES AND CONNECT TO EXISTING WATER SERVICE PIPING.

[H] ALL EXCAVATION WORK IDENTIFIED WITHIN THE SHADED AREA, WHETHER INSIDE OR OUTSIDE OF THE CRITICAL ROOT ZONE, MUST BE ACCOMPLISHED BY USE OF HAND DIGGING TO PRESERVE AND PROTECT EXISTING TREE ROOTS. SEE SPECIFICATION SECTION 01140 FOR ADDITIONAL INFORMATION.

[I] PRIOR TO WORKING IN THIS AREA, PROVIDE BARRIER TO PROTECT TREE FROM CONSTRUCTION EQUIPMENT.

[L] ABANDON EXISTING VALVE AND REMOVE VALVE BOX RISER AND APPURTENANCES DOWN TO 2.5' BELOW GRADE.

[S] REMOVE (E) WHARF HYDRANT AND PIPING.

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PROJ. MGR. ELJ

REV	DESCRIPTION	DATE	APVD

REVISIONS

CITY OF FOLSOM ENVIRONMENTAL AND WATER RESOURCES

ASHLAND WATER REHABILITATION PROJECT II

PLAN & PHOTOS - BALDWIN DAM ROAD - STA 119+60 TO 124+50

REGISTERED PROFESSIONAL ENGINEER ELIZABETH L. JONES C68550 CIVIL STATE OF CALIFORNIA 02/04/2022

C204
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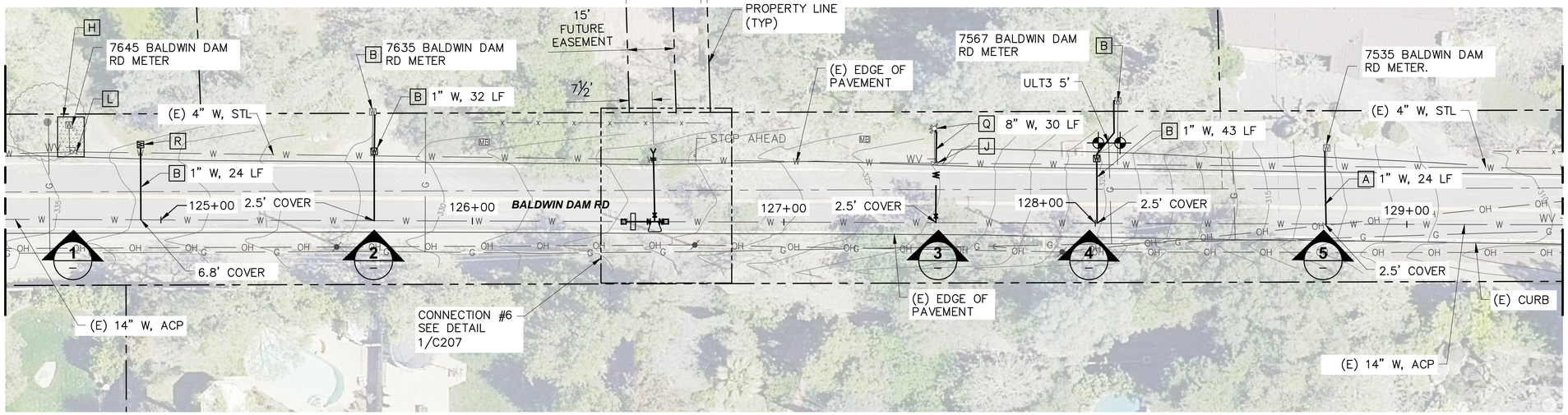

PLAN VIEW

SCALE: 1"=20'-0"

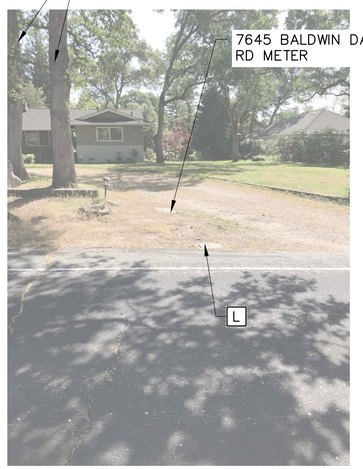

PHOTO - METER 1

SCALE: NO SCALE

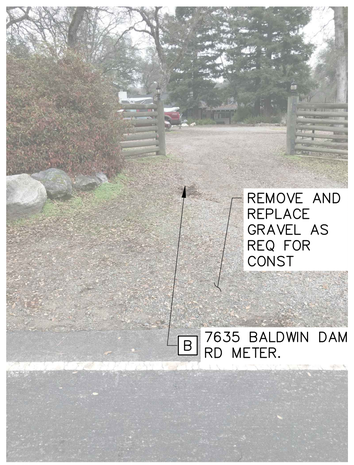

PHOTO - METER 2

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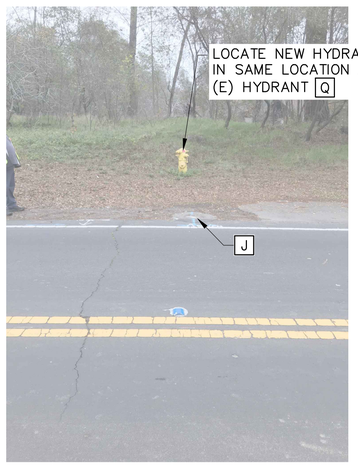

PHOTO - HYDRANT 3

SCALE: NO SCALE

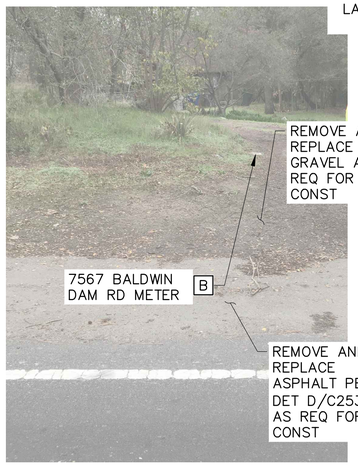

PHOTO - METER 4

SCALE: NO SCALE

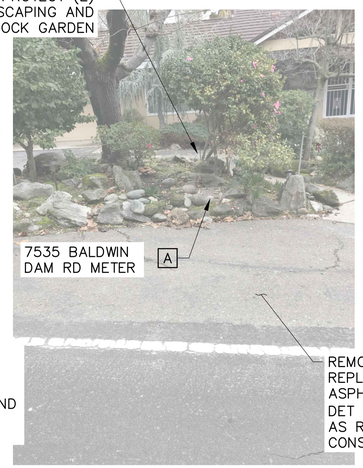

PHOTO - METER 5

SCALE: NO SCALE

NOTES

1. POTHOLE TO VERIFY LOCATION, SIZE AND MATERIAL OF EXISTING WATER MAIN PRIOR TO ORDERING PIPING AND CONNECTION FITTINGS.
2. WATER SERVICE LATERAL IMPROVEMENTS NOT REQ'D FOR THIS ADDRESS.
3. FOR WORK WITHIN THE ROADWAY BACKFILL AND RESTORE ASPHALT ROAD SECTION USING T-CUT AND GRIND ON ALL SIDES OF THE EXCAVATION PER DET D/253.
4. FOR WORK OUTSIDE OF THE ROADWAY BACKFILL PER DET A/C253 AND RESTORE ALL EXISTING SURFACE CONDITIONS AS SHOWN IN PHOTO REFERENCE, SPECIFICATIONS AND SIGNED RIGHT OF ENTRY AGREEMENTS.
5. SEE SEQUENCE OF OPERATION NOTES ON DWG G005 FOR OPERATION DURING THE DECOMMISSIONING PROCESS. CONTRACTOR TO NOTE THAT EXISTING MAIN MUST REMAIN IN SERVICE DURING THIS TIME AND THAT DECOMMISSIONING OF EXISTING MAIN CANNOT COMMENCE WITHOUT WRITTEN CITY APPROVAL.
6. REMOVE (E) WATER MAIN AND TRUST BLOCKS AS REQ'D TO INSTALL NEW MAIN TIE-INS.

CONSTRUCTION NOTES

A CONSTRUCT NEW WATER SERVICE LATERAL AND CONNECT TO EXISTING WATER SERVICE AT UPSTREAM END OF EXISTING METER PER DET C/C250. ALL ASSOCIATED METER APPURTENANCES UPSTREAM OF METER SHALL BE REPLACED.

B CONSTRUCT NEW WATER SERVICE LATERAL WITH NEW METER BOX PER DET A/C250. REMOVE EXISTING METER BOX, METER, ANGLE METER STOP AND ALL OTHER ASSOCIATED METER APPURTENANCES AND CONNECT TO EXISTING WATER SERVICE PIPING.

H ALL EXCAVATION WORK IDENTIFIED WITHIN THE SHADED AREA, WHETHER INSIDE OR OUTSIDE OF THE CRITICAL ROOT ZONE, MUST BE ACCOMPLISHED BY USE OF HAND DIGGING TO PRESERVE AND PROTECT EXISTING TREE ROOTS. SEE SPECIFICATION SECTION 01140 FOR ADDITIONAL INFORMATION.

J REMOVE (E) WATER VALVE, ASSOCIATED VALVE BOX AND APPURTENANCES DOWN TO 2.5' BELOW GRADE.

L ABANDON EXISTING VALVE AND REMOVE VALVE BOX RISER AND APPURTENANCES DOWN TO 2.5' BELOW GRADE.

Q CONSTRUCT NEW HYDRANT SERVICE LATERAL AND REPLACE (E) HYDRANT PER DET A/C252.

R HOME OWNER TO PROVIDE NEW CONNECTION THAT WILL CONNECT TO RELOCATED NEW METER BOX LOCATION PRIOR TO CONSTRUCTION.

HydroScience
10569 OLD PLACERVILLE ROAD
SACRAMENTO, CA 95827
OFFICE: 916.364.1490

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JOB NO. 361-006
DATE 3/23/2022
DRAWN BY AGP/BF
DESIGNED BY BF
PROJ. MGR. ELJ

REV	DESCRIPTION	DATE	APVD

REVISIONS

CITY OF FOLSOM ENVIRONMENTAL AND WATER RESOURCES

ASHLAND WATER REHABILITATION PROJECT II

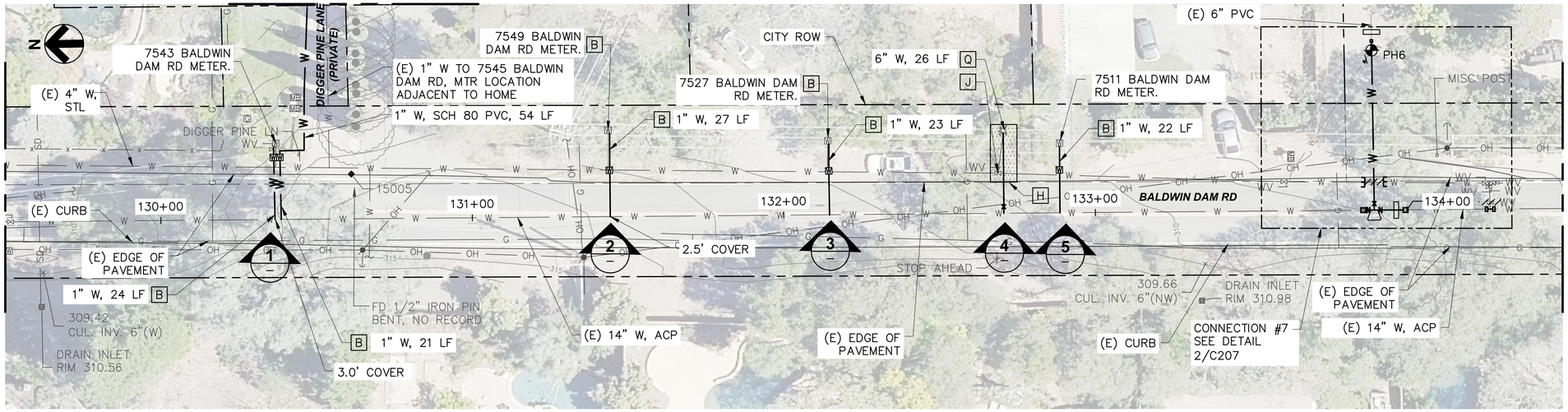
PLAN & PHOTOS - BALDWIN DAM ROAD - STA 124+50 TO 129+50

REGISTERED PROFESSIONAL ENGINEER ELIZABETH JONES C68550 CIVIL STATE OF CALIFORNIA
02/04/2022

C205
DRAWING NUMBER

SHEET 11 OF 27

Plot Date: 5/5/2022 3:46 PM
Plotted By: ERIC JONES
File Name: S:\common\projects\361-City of Folsom\006-Ashland II Project\04-Design\Drawings\03-Civil\361-006-C200 to C205 Pipeline.dwg



PLAN VIEW

SCALE: 1"=20'-0"

NOTES

1. POTHOLE TO VERIFY LOCATION, SIZE AND MATERIAL OF EXISTING WATER MAIN PRIOR TO ORDERING PIPING AND CONNECTION FITTINGS.
2. WATER SERVICE LATERAL IMPROVEMENTS NOT REQ'D FOR THIS ADDRESS.
3. FOR WORK WITHIN THE ROADWAY BACKFILL AND RESTORE ASPHALT ROAD SECTION USING T-CUT AND GRIND ON ALL SIDES OF THE EXCAVATION PER DET D/253.
4. FOR WORK OUTSIDE OF THE ROADWAY BACKFILL PER DET A/C253 AND RESTORE ALL EXISTING SURFACE CONDITIONS AS SHOWN IN PHOTO REFERENCE, SPECIFICATIONS AND SIGNED RIGHT OF ENTRY AGREEMENTS.
5. SEE SEQUENCE OF OPERATION NOTES ON DWG G005 FOR OPERATION DURING THE DECOMMISSIONING PROCESS. CONTRACTOR TO NOTE THAT EXISTING MAIN MUST REMAIN IN SERVICE DURING THIS TIME AND THAT DECOMMISSIONING OF EXISTING MAIN CANNOT COMMENCE WITHOUT WRITTEN CITY APPROVAL.
6. REMOVE (E) WATER MAIN AND TRUST BLOCKS AS REQ'D TO INSTALL NEW MAIN TIE-INS.

CONSTRUCTION NOTES

A CONSTRUCT NEW WATER SERVICE LATERAL AND CONNECT TO EXISTING WATER SERVICE AT UPSTREAM END OF EXISTING METER PER DET C/C250. ALL ASSOCIATED METER APPURTENANCES UPSTREAM OF METER SHALL BE REPLACED.

B CONSTRUCT NEW WATER SERVICE LATERAL WITH NEW METER BOX PER DET A/C250. REMOVE EXISTING METER BOX, METER, ANGLE METER STOP AND ALL OTHER ASSOCIATED METER APPURTENANCES AND CONNECT TO EXISTING WATER SERVICE PIPING.

H ALL EXCAVATION WORK IDENTIFIED WITHIN THE SHADED AREA, WHETHER INSIDE OR OUTSIDE OF THE CRITICAL ROOT ZONE, MUST BE ACCOMPLISHED BY USE OF HAND DIGGING TO PRESERVE AND PROTECT EXISTING TREE ROOTS. SEE SPECIFICATION SECTION 01140 FOR ADDITIONAL INFORMATION.

J REMOVE (E) WATER VALVE, ASSOCIATED VALVE BOX AND APPURTENANCES DOWN TO 2.5' BELOW GRADE.

K REMOVE (E) BLOW OFF VALVE, ASSOCIATED VALVE BOX AND APPURTENANCES DOWN TO 2.5' BELOW GRADE.

L ABANDON EXISTING VALVE AND REMOVE VALVE BOX RISER AND APPURTENANCES DOWN TO 2.5' BELOW GRADE.

Q CONSTRUCT NEW HYDRANT SERVICE LATERAL AND REPLACE (E) HYDRANT PER DET A/C252

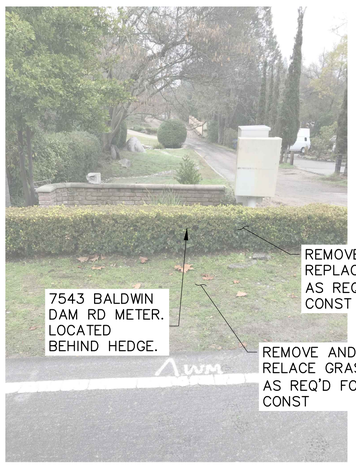


PHOTO - METER 1

SCALE: NO SCALE

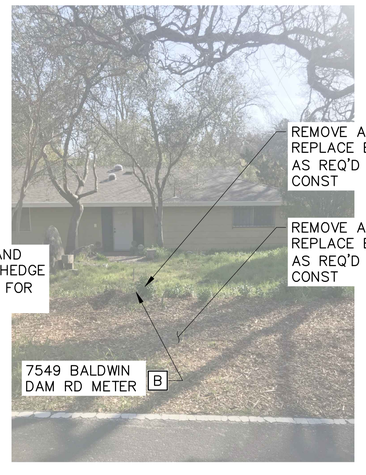


PHOTO - METER 2

SCALE: NO SCALE

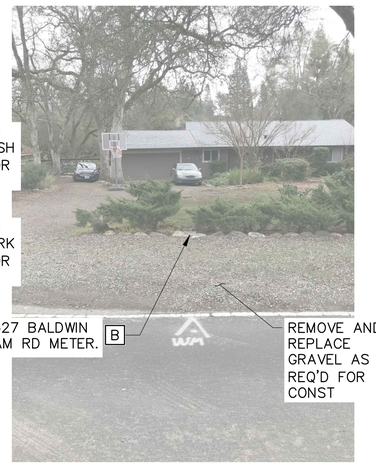


PHOTO - METER 3

SCALE: NO SCALE

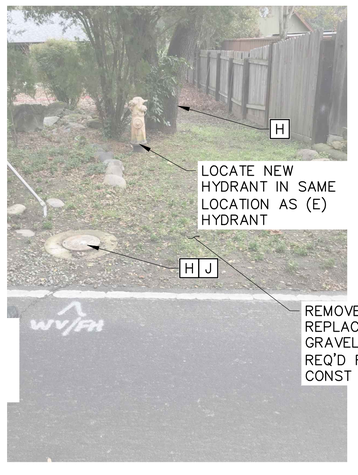


PHOTO - HYDRANT 4

SCALE: NO SCALE

PHOTO - METER 5

SCALE: NO SCALE

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JOB NO. 361-006
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REV	DESCRIPTION	DATE	APVD

REVISIONS

CITY OF FOLSOM ENVIRONMENTAL AND WATER RESOURCES

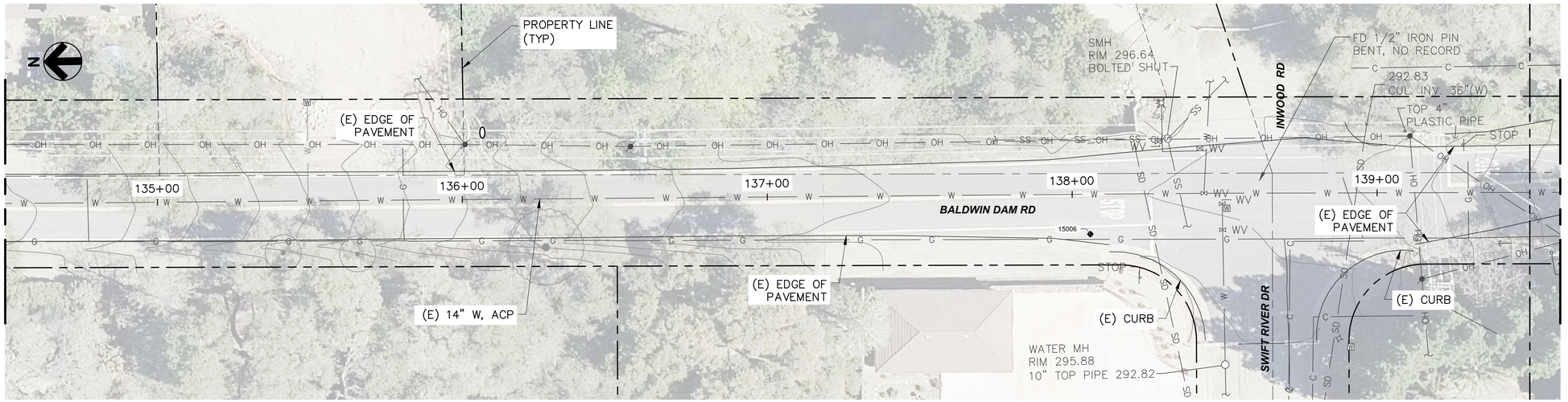
ASHLAND WATER REHABILITATION PROJECT II

PLAN & PHOTOS - BALDWIN DAM ROAD - STA 129+50 TO 134+50

REGISTERED PROFESSIONAL ENGINEER ERIC L. JONES C68550 CIVIL STATE OF CALIFORNIA
02/04/2022

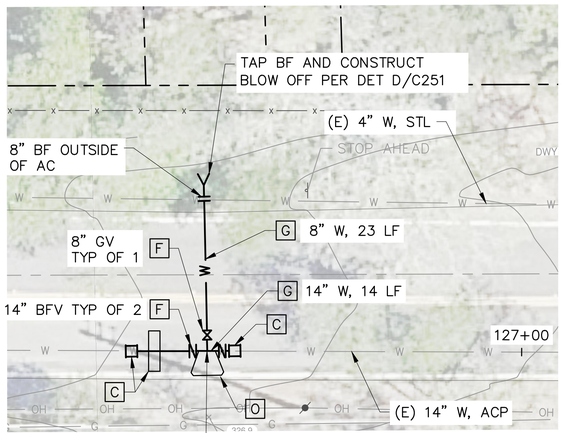
C206
DRAWING NUMBER

SHEET 12 OF 27



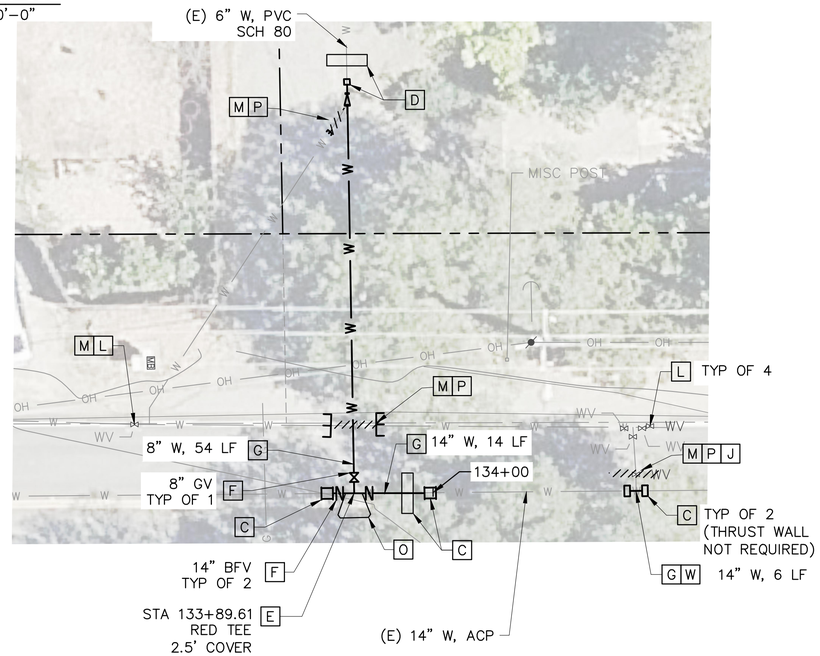
PLAN VIEW

SCALE: 1"=20'-0"



CONNECTION DETAIL #6 (1 / C205)

SCALE: 1" = 10'



CONNECTION DETAIL #7 (2 / C206)

SCALE: 1" = 10'

NOTES

1. POTHOLE TO VERIFY LOCATION, SIZE AND MATERIAL OF EXISTING WATER MAIN PRIOR TO ORDERING PIPING AND CONNECTION FITTINGS.
2. WATER SERVICE LATERAL IMPROVEMENTS NOT REQ'D FOR THIS ADDRESS.
3. FOR WORK WITHIN THE ROADWAY BACKFILL AND RESTORE ASPHALT ROAD SECTION USING T-CUT AND GRIND ON ALL SIDES OF THE EXCAVATION PER DET D/253.
4. FOR WORK OUTSIDE OF THE ROADWAY BACKFILL PER DET A/C253 AND RESTORE ALL EXISTING SURFACE CONDITIONS AS SHOWN IN PHOTO REFERENCE, SPECIFICATIONS AND SIGNED RIGHT OF ENTRY AGREEMENTS.
5. SEE SEQUENCE OF OPERATION NOTES ON DWG G005 FOR OPERATION DURING THE DECOMMISSIONING PROCESS. CONTRACTOR TO NOTE THAT EXISTING MAIN MUST REMAIN IN SERVICE DURING THIS TIME AND THAT DECOMMISSIONING OF EXISTING MAIN CANNOT COMMENCE WITHOUT WRITTEN CITY APPROVAL.
6. REMOVE (E) WATER MAIN AND TRUST BLOCKS AS REQ'D TO INSTALL NEW MAIN TIE-INS.

CONSTRUCTION NOTES

- C CONSTRUCT NEW FULLY RESTRAINED CONNECTION PER DET A/C251.
- D CONSTRUCT NEW FULLY RESTRAINED CONNECTION PER DET B/C251.
- E CONSTRUCT NEW CUT IN RESTRAINED DIP TEE, FExFE.
- F CONSTRUCT NEW ISOLATION VALVE PER DET D/C252.
- G CONSTRUCT NEW RESTRAINED DIP. INSTALL CATHODIC PROTECTION PER DETAILS ON C255 AND C256.
- J REMOVE (E) WATER VALVE, ASSOCIATED VALVE BOX AND APPURTENANCES DOWN TO 2.5' BELOW GRADE.
- L ABANDON EXISTING VALVE AND REMOVE VALVE BOX RISER AND APPURTENANCES DOWN TO 2.5' BELOW GRADE.
- M MAINTAIN EXISTING MAIN CONNECTION AND ISOLATION VALVE DURING THE DECOMMISSIONING PROCESS.
- O PROVIDE THRUST BLOCK AT THIS LOCATION PER DET C/C252.
- P REMOVE (E) WATER MAIN MIN OF 3' FROM (N) WATER MAIN AND SEAL PER PIPE ABANDONMENT DETAILS ON C253.
- W CONSTRUCT NEW CUT IN RESTRAINED DIP SPOOL.

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SACRAMENTO, CA 95827
OFFICE: 916.364.1490

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DATE 3/23/2022
DRAWN BY AGP/BF
DESIGNED BY BF
PROJ. MGR. ELJ

REV	DESCRIPTION	DATE	APVD

REVISIONS

CITY OF FOLSOM ENVIRONMENTAL AND WATER RESOURCES

ASHLAND WATER REHABILITATION PROJECT II

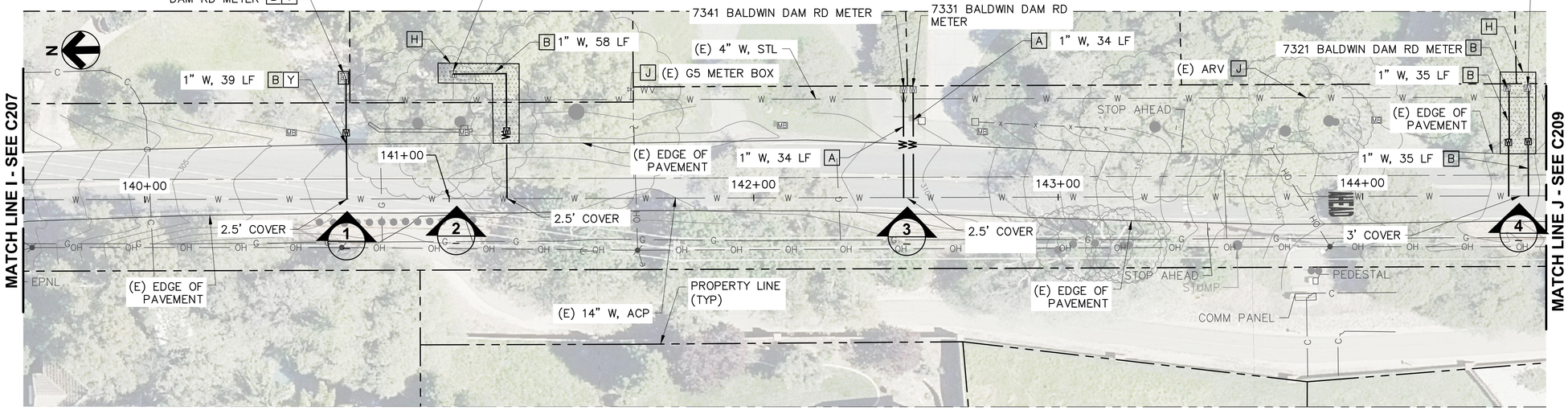
PLAN & PHOTOS - BALDWIN DAM ROAD - STA 134+50 TO 139+60

REGISTERED PROFESSIONAL ENGINEER ERIC L. JONES C68550 CIVIL STATE OF CALIFORNIA
02/04/2022

C207
DRAWING NUMBER

SHEET 13 OF 27

File Name: S:\common\projects\361-City of Folsom\006-Ashland II Project\04-Design\Drawings\03-Civil\361-006-C206 to C210 Pipeline.dwg
Plotted By: ERIC JONES
Plot Date: 5/5/2022 3:47 PM



PLAN VIEW

SCALE: 1"=20'-0"

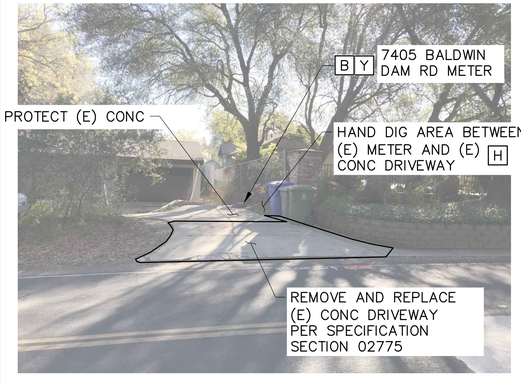


PHOTO - METER 1
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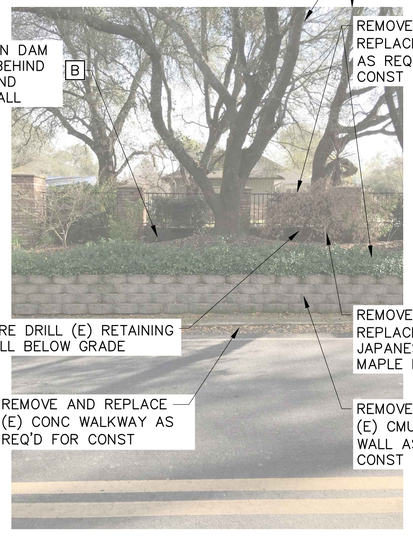

PHOTO - METER 2
SCALE: NO SCALE

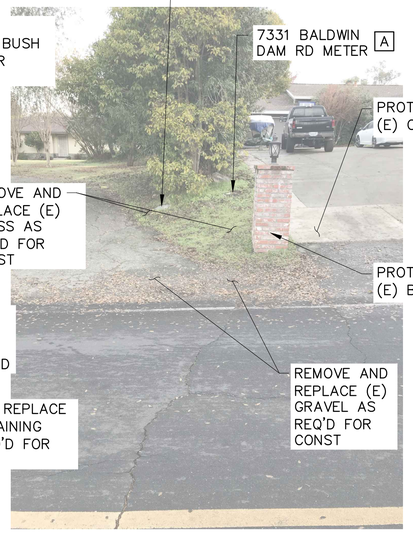

PHOTO - METER 3
SCALE: NO SCALE

PHOTO - METER 4
SCALE: NO SCALE

NOTES

1. POTHOLE TO VERIFY LOCATION, SIZE AND MATERIAL OF EXISTING WATER MAIN PRIOR TO ORDERING PIPING AND CONNECTION FITTINGS.
2. WATER SERVICE LATERAL IMPROVEMENTS NOT REQ'D FOR THIS ADDRESS.
3. FOR WORK WITHIN THE ROADWAY BACKFILL AND RESTORE ASPHALT ROAD SECTION USING T-CUT AND GRIND ON ALL SIDES OF THE EXCAVATION PER DET D/253.
4. FOR WORK OUTSIDE OF THE ROADWAY BACKFILL PER DET A/C253 AND RESTORE ALL EXISTING SURFACE CONDITIONS AS SHOWN IN PHOTO REFERENCE, SPECIFICATIONS AND SIGNED RIGHT OF ENTRY AGREEMENTS.
5. SEE SEQUENCE OF OPERATION NOTES ON DWG G005 FOR OPERATION DURING THE DECOMMISSIONING PROCESS. CONTRACTOR TO NOTE THAT EXISTING MAIN MUST REMAIN IN SERVICE DURING THIS TIME AND THAT DECOMMISSIONING OF EXISTING MAIN CANNOT COMMENCE WITHOUT WRITTEN CITY APPROVAL.
6. REMOVE (E) WATER MAIN AND TRUST BLOCKS AS REQ'D TO INSTALL NEW MAIN TIE-INS.

CONSTRUCTION NOTES

A CONSTRUCT NEW WATER SERVICE LATERAL AND CONNECT TO EXISTING WATER SERVICE AT UPSTREAM END OF EXISTING METER PER DET C/C250. ALL ASSOCIATED METER APPURTENANCES UPSTREAM OF METER SHALL BE REPLACED.

B CONSTRUCT NEW WATER SERVICE LATERAL WITH NEW METER BOX PER DET A/C250. REMOVE EXISTING METER BOX, METER, ANGLE METER STOP AND ALL OTHER ASSOCIATED METER APPURTENANCES AND CONNECT TO EXISTING WATER SERVICE PIPING.

H ALL EXCAVATION WORK IDENTIFIED WITHIN THE SHADED AREA, WHETHER INSIDE OR OUTSIDE OF THE CRITICAL ROOT ZONE, MUST BE ACCOMPLISHED BY USE OF HAND DIGGING TO PRESERVE AND PROTECT EXISTING TREE ROOTS. SEE SPECIFICATION SECTION 01140 FOR ADDITIONAL INFORMATION.

J REMOVE (E) WATER VALVE, ASSOCIATED VALVE BOX AND APPURTENANCES DOWN TO 2.5' BELOW GRADE.

Y WATER METER LATERAL SHALL BE INSTALLED WITH MINIMUM 3' COVER TO SLEEVE. TRENCH SHALL BE BACKFILLED WITH SAND MIN 6" AROUND SLEEVE WITH NATIVE BACKFILL. FOR AREA WITHIN THE (E) DRIVEWAY FOOTPRINT PROVIDE 4" OF AB WITH CUTBACK/ TEMPORARY AC ON SURFACE. (E) SERVICE CONNECTION IS 2" SCH 80 PVC. PROVIDE ADDITIONAL LEVEL OF BLOCKING BELOW METER BOX FOR FUTURE LOWERING OF BOX.

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SACRAMENTO, CA 95827
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JOB NO. 361-006
DATE 3/23/2022
DRAWN BY AGP/BF
DESIGNED BY BF
PROJ. MGR. ELJ

REV	DESCRIPTION	DATE	APVD

REVISIONS

CITY OF FOLSOM ENVIRONMENTAL AND WATER RESOURCES

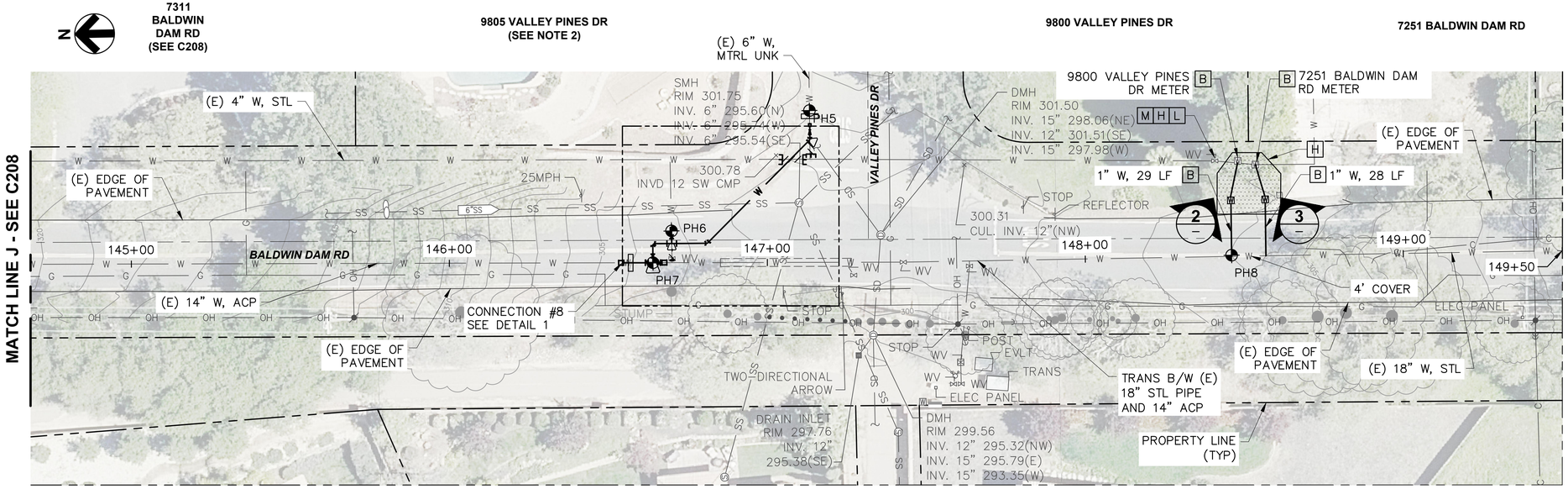
ASHLAND WATER REHABILITATION PROJECT II

PLAN & PHOTOS - BALDWIN DAM ROAD - STA 139+60 TO 144+60

REGISTERED PROFESSIONAL ENGINEER C68550 CIVIL STATE OF CALIFORNIA
02/04/2022

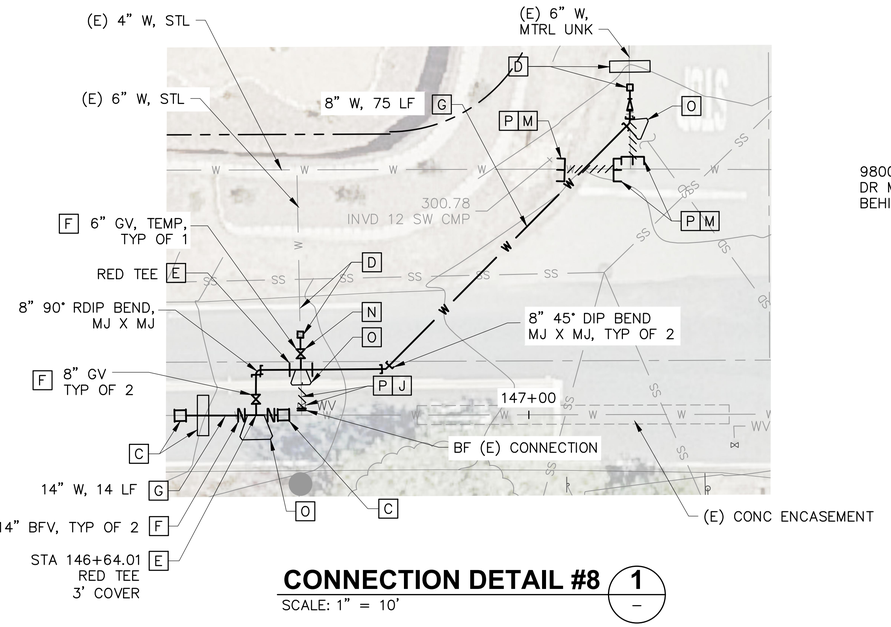
C208
DRAWING NUMBER

SHEET 14 OF 27



PLAN VIEW

SCALE: 1"=20'-0"



CONNECTION DETAIL #8

1 / –

SCALE: 1" = 10'

PHOTO - METERS

2 / –

SCALE: NO SCALE

PHOTO - TREE STUMP

3 / –

SCALE: NO SCALE

NOTES

1. POTHOLE TO VERIFY LOCATION, SIZE AND MATERIAL OF EXISTING WATER MAIN PRIOR TO ORDERING PIPING AND CONNECTION FITTINGS.
2. WATER SERVICE LATERAL IMPROVEMENTS NOT REQ'D FOR THIS ADDRESS.
3. FOR WORK WITHIN THE ROADWAY BACKFILL AND RESTORE ASPHALT ROAD SECTION USING T-CUT AND GRIND ON ALL SIDES OF THE EXCAVATION PER DET D/253.
4. FOR WORK OUTSIDE OF THE ROADWAY BACKFILL PER DET A/C253 AND RESTORE ALL EXISTING SURFACE CONDITIONS AS SHOWN IN PHOTO REFERENCE, SPECIFICATIONS AND SIGNED RIGHT OF ENTRY AGREEMENTS.
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6. REMOVE (E) WATER MAIN AND TRUST BLOCKS AS REQ'D TO INSTALL NEW MAIN TIE-INS.

CONSTRUCTION NOTES

- B CONSTRUCT NEW WATER SERVICE LATERAL WITH NEW METER BOX PER DET A/C250. REMOVE EXISTING METER BOX, METER, ANGLE METER STOP AND ALL OTHER ASSOCIATED METER APPURTENANCES AND CONNECT TO EXISTING WATER SERVICE PIPING.
- C CONSTRUCT NEW FULLY RESTRAINED CONNECTION TO PER DET A/C251.
- D CONSTRUCT NEW FULLY RESTRAINED CONNECTION PER DET B/C251.
- E CONSTRUCT NEW CUT IN RESTRAINED DIP TEE, FExFE.
- F CONSTRUCT NEW ISOLATION VALVE PER DET D/C252.
- G CONSTRUCT NEW RESTRAINED DIP. INSTALL CATHODIC PROTECTION PER DETAILS ON C255 AND C256.
- H ALL EXCAVATION WORK IDENTIFIED WITHIN THE SHADED AREA, WHETHER INSIDE OR OUTSIDE OF THE CRITICAL ROOT ZONE, MUST BE ACCOMPLISHED BY USE OF HAND DIGGING TO PRESERVE AND PROTECT EXISTING TREE ROOTS. SEE SPECIFICATION SECTION 01140 FOR ADDITIONAL INFORMATION.
- J REMOVE (E) WATER VALVE, ASSOCIATED VALVE BOX AND APPURTENANCES DOWN TO 2.5' BELOW GRADE.
- L ABANDON EXISTING VALVE AND REMOVE VALVE BOX RISER AND APPURTENANCES DOWN TO 2.5' BELOW GRADE.
- M MAINTAIN EXISTING MAIN CONNECTION AND ISOLATION VALVE DURING THE DECOMMISSIONING PROCESS.
- N PROVIDE TEMPORARY ISOLATION VALVE TO ISOLATE (E) WATER MAIN DURING DECOMMISSIONING PROCESS.
- O PROVIDE THRUST BLOCK AT THIS LOCATION PER DET C/C252.
- P REMOVE (E) WATER MAIN MIN OF 3' FROM (N) WATER MAIN AND SEAL PER PIPE ABANDONMENT DETAILS ON C253.

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SACRAMENTO, CA 95827
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DATE 3/23/2022
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DESIGNED BY BF
PROJ. MGR. ELJ

REV	DESCRIPTION	DATE	APVD

REVISIONS

CITY OF FOLSOM ENVIRONMENTAL AND WATER RESOURCES

ASHLAND WATER REHABILITATION PROJECT II

PLAN & PHOTOS - BALDWIN DAM ROAD - STA 144+60 TO 149+50

REGISTERED PROFESSIONAL ENGINEER ERIC L. JONES C68550 CIVIL STATE OF CALIFORNIA 02/04/2022

C209
DRAWING NUMBER

SHEET 15 OF 27

Plot Date: 5/5/2022 3:48 PM
Plotted By: ERIC JONES
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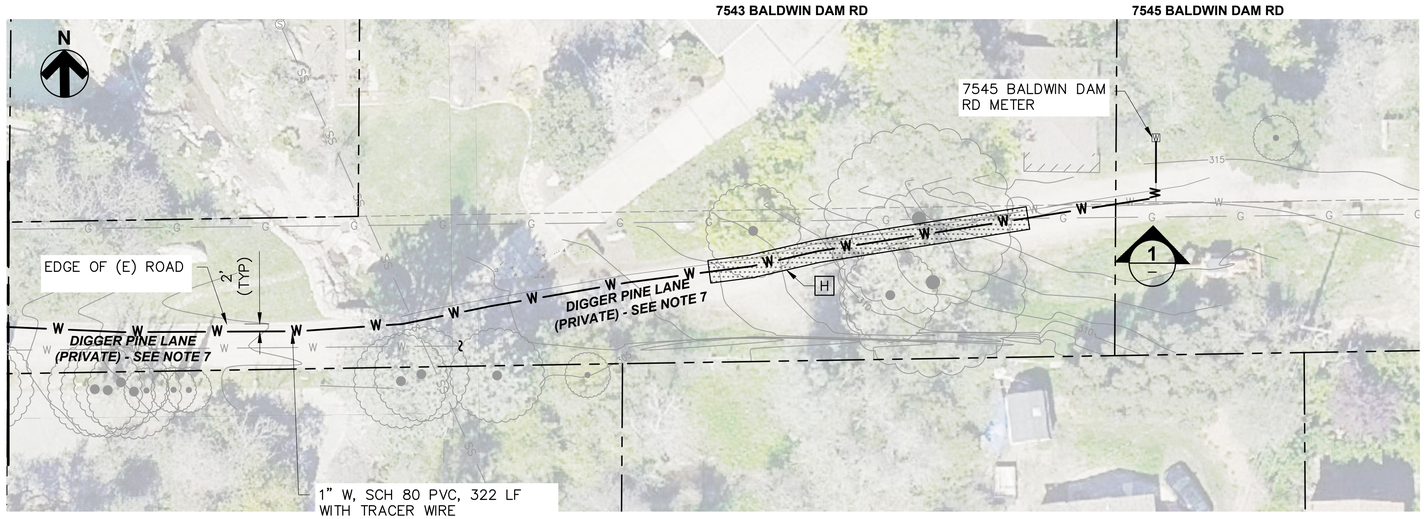


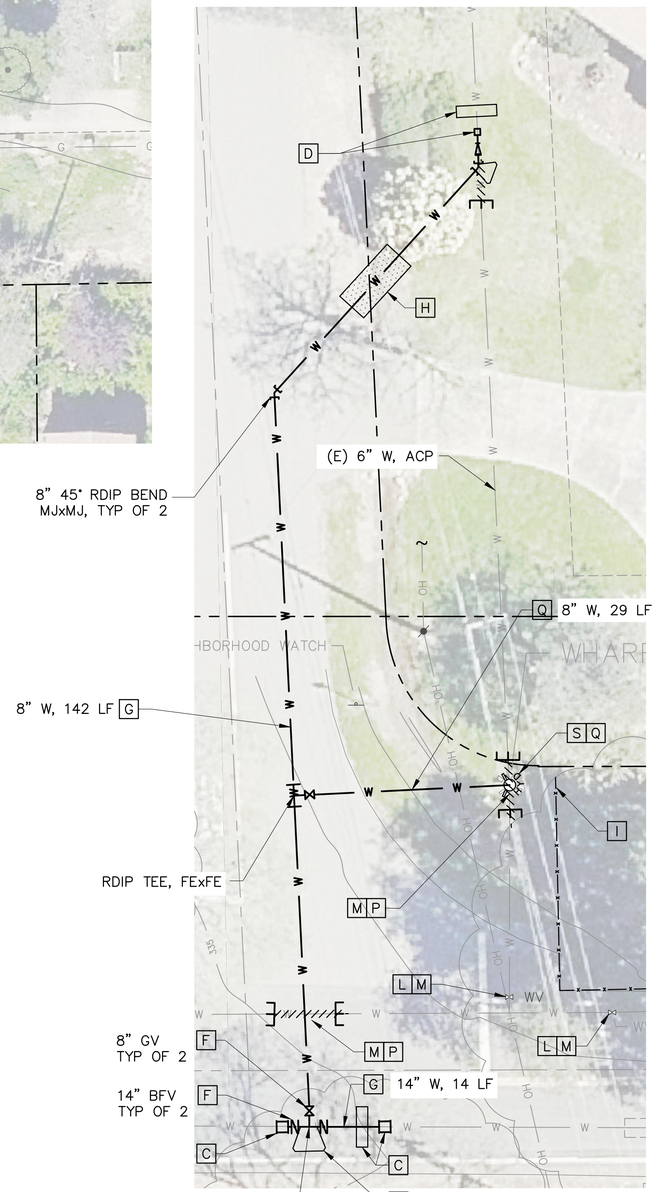
PLAN VIEW

SCALE: 1"=10'-0"

7545 BALDWIN DAM RD METER. LOCATED BEHIND VEGETATION. (E) METER BOX TO REMAIN. (E) METER TO BE REPLACED WITH BALL VALVE. CONNECT PIPING USING SCH 80 PVC AND RESTORE SURFACE.

PHOTO - METER 1

SCALE: NO SCALE



CONNECTION DETAIL #5 2

SCALE: 1" = 10'

C204

NOTES

1. POTHOLE TO VERIFY LOCATION, SIZE AND MATERIAL OF EXISTING WATER MAIN PRIOR TO ORDERING PIPING AND CONNECTION FITTINGS.
2. WATER SERVICE LATERAL IMPROVEMENTS NOT REQ'DUIRED FOR THIS ADDRESS.
3. FOR WORK WITHIN THE ROADWAY BACKFILL AND RESTORE ASPHALT ROAD SECTION USING T-CUT AND GRIND ON ALL SIDES OF THE EXCAVATION PER DET D/253.
4. FOR WORK OUTSIDE OF THE ROADWAY BACKFILL PER DET A/C253 AND RESTORE ALL EXISTING SURFACE CONDITIONS AS SHOWN IN PHOTO REFERENCE, SPECIFICATIONS AND SIGNED RIGHT OF ENTRY AGREEMENTS.
5. SEE SEQUENCE OF OPERATION NOTES ON DWG G005 FOR OPERATION DURING THE DECOMMISSIONING PROCESS. CONTRACTOR TO NOTE THAT EXISTING MAIN MUST REMAIN IN SERVICE DURING THIS TIME AND THAT DECOMMISSIONING OF EXISTING MAIN CANNOT COMMENCE WITHOUT WRITTEN CITY APPROVAL.
6. REMOVE (E) WATER MAIN AND TRUST BLOCKS AS REQ'D TO INSTALL NEW MAIN TIE-INS.
7. RESTORE CRUSHED ROCK ALONG DIGGER PINE LANE AND COMPACT AND REGRADE AS NECESSARY.

CONSTRUCTION NOTES

- C CONSTRUCT NEW FULLY RESTRAINED CONNECTION PER DET A/C251.
- D CONSTRUCT NEW FULLY RESTRAINED CONNECTION PER DET B/C251.
- E CONSTRUCT NEW CUT IN RESTRAINED DIP TEE, FExFE.
- F CONSTRUCT NEW ISOLATION VALVE PER DET D/C252.
- G CONSTRUCT NEW RESTRAINED DIP. INSTALL CATHODIC PROTECTION PER DETAILS ON C255 AND C256.
- H ALL EXCAVATION WORK IDENTIFIED WITHIN THE SHADED AREA, WHETHER INSIDE OR OUTSIDE OF THE CRITICAL ROOT ZONE, MUST BE ACCOMPLISHED BY USE OF HAND DIGGING TO PRESERVE AND PROTECT EXISTING TREE ROOTS. SEE SPECIFICATION SECTION 01140 FOR ADDITIONAL INFORMATION.
- I PRIOR TO WORKING IN THIS AREA, PROVIDE BARRIER TO PROTECT TREE FROM CONSTRUCTION EQUIPMENT.
- J REMOVE (E) WATER VALVE, ASSOCIATED VALVE BOX AND APPURTENANCES DOWN TO 2.5' BELOW GRADE.
- L ABANDON EXISTING VALVE AND REMOVE VALVE BOX RISER AND APPURTENANCES DOWN TO 2.5' BELOW GRADE.
- M MAINTAIN EXISTING MAIN CONNECTION AND ISOLATION VALVE DURING THE DECOMMISSIONING PROCESS.
- O PROVIDE THRUST BLOCK AT THIS LOCATION PER DET C/C252.
- P REMOVE (E) WATER MAIN MIN OF 3' FROM (N) WATER MAIN AND SEAL PER PIPE ABANDONMENT DETAILS ON C253.
- Q CONSTRUCT NEW HYDRANT SERVICE LATERAL AND REPLACE HYDRANT PER DET A/C252.
- S REMOVE (E) WHARF HYDRANT AND PIPING, CAP EXISTING SERVICE LINE BELOW GRADE, MIN 2.5'.

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JOB NO. 361-006
DATE 3/23/2022
DRAWN BY AGP/BF
DESIGNED BY BF
PROJ. MGR. ELJ

REV	DESCRIPTION	DATE	APVD

REVISIONS

CITY OF FOLSOM ENVIRONMENTAL AND WATER RESOURCES

ASHLAND WATER REHABILITATION PROJECT II

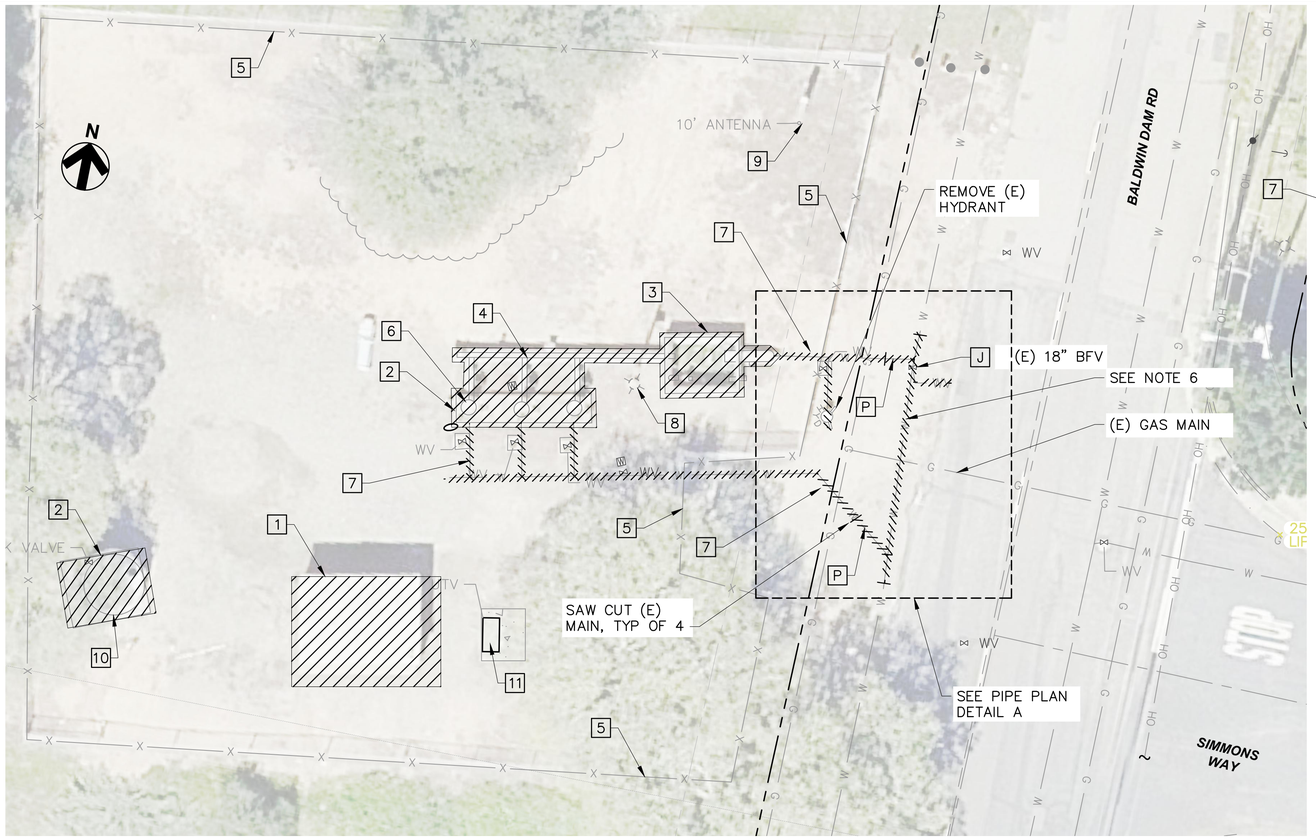
PLAN & PHOTOS DIGGER PINE LN

REGISTERED PROFESSIONAL ENGINEER ERIC L. JONES C68550 CIVIL STATE OF CALIFORNIA
02/04/2022

C210
DRAWING NUMBER

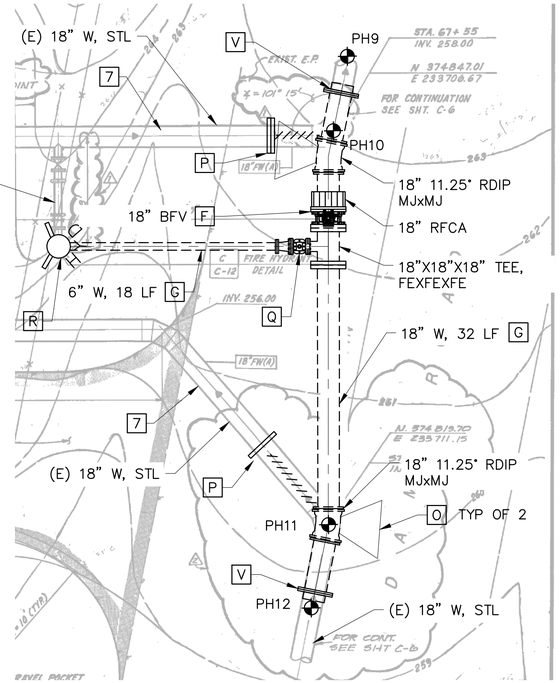
SHEET 16 OF 27

File Name: S:\common\projects\361-City of Folsom\006-Ashland II Project\04-Design\Drawings\03-Civil\361-006-C206 to C210 Pipeline.dwg
Plotted By: ERIC JONES
Plot Date: 5/5/2022 3:48 PM



PLAN VIEW
SCALE: 1"=20'-0"

PHOTO - PUMP STATION 1
SCALE: NO SCALE



PIPE PLAN DETAIL A
SCALE: NO SCALE

DEMOLITION NOTES

1. DEMOLISH EXISTING CMU CONTROL BUILDING AND CONCRETE PAD.
2. DEMOLISH EXISTING CONC PAD (TYP).
3. DEMOLISH EXISTING CONC STRUCTURE DOWN TO MIN 12" BELOW EXISTING GRADE LINE, AND THEN FILL IN WITH MORTAR TO MAKE FLUSH WITH EXISTING GRADE.
4. REMOVE AND DISPOSE OF ALL EXISTING ABOVE GRADE PIPE WORK, VALVES, PIPE SUPPORTS AND ASSOCIATED HARDWARE.
5. PROTECT IN PLACE EXISTING CHAINLINK FENCING AND CONCRETE FOOTINGS.
6. REMOVE AND DISPOSE OF EXISTING PUMPS AND ASSOCIATED EQUIPMENT INCLUDING CABLES AND CONDUITS TO MIN 12" BELOW GRADE.
7. FILL IN REMAINING BELOW GRADE WSP PIPEWORK WITH GROUT. SECURE EACH PIPE END WITH WATERTIGHT SEAL PER DET B/C253.
8. REMOVE SITE LIGHTING, CONCRETE BASE AND ELECTRICAL WIRES.
9. STANDPIPE AND ASSOCIATED ANTENNA EQUIPMENT TO REMAIN. PRESERVE AND PROTECT IN PLACE.
10. DEMOLISH TANK AND ASSOCIATED EQUIPMENT.
11. EXIST TRANSFORMER PAD TO REMAIN. SECURE STL COVER TO CONCRETE.

NOTES

1. THIS DRAWING IS BASED ON CITY RECORDS AND IS APPROXIMATE ONLY. CONTRACTOR SHALL VERIFY PERTINENT DIMENSIONS ONSITE AND PER POTHOLING THE CONNECTION POINTS BEFORE ORDERING MATERIALS.
2. POTHOLE TO VERIFY SIZE AND MATERIAL OF EXISTING WATER MAIN PRIOR TO ORDERING PIPING AND CONNECTION FITTINGS.
3. FOR WORK WITHIN THE ROADWAY BACKFILL AND RESTORE ASPHALT ROAD SECTION USING T-CUT AND GRIND ON ALL SIDES OF THE EXCAVATION PER DET D/253.
4. FOR WORK OUTSIDE OF THE ROADWAY BACKFILL PER DET A/C253 AND RESTORE ALL EXISTING SURFACE CONDITIONS AS SHOWN IN PHOTO REFERENCE, SPECIFICATIONS AND SIGNED RIGHT OF ENTRY AGREEMENTS.
5. SEE SEQUENCE OF OPERATION NOTES ON DWG G005 FOR OPERATION DURING THE DECOMMISSIONING PROCESS. CONTRACTOR TO NOTE THAT EXISTING MAIN MUST REMAIN IN SERVICE DURING THIS TIME AND THAT DECOMMISSIONING OF EXISTING MAIN CANNOT COMMENCE WITH WRITTEN CITY APPROVAL.
6. REMOVE (E) WATER MAIN AND THRUST BLOCKS AS REQ'D TO INSTALL NEW MAIN TIE-INS.

CONSTRUCTION NOTES

- F CONSTRUCT NEW ISOLATION VALVE PER DET D/C252.
- G CONSTRUCT NEW RDIP. INSTALL CATHODIC PROTECTION PER DETAILS ON C255 AND C256.
- J REMOVE (E) WATER VALVE, ASSOCIATED VALVE BOX AND APPURTENANCES DOWN TO 2.5' BELOW GRADE.
- O PROVIDE THRUST BLOCK AT THIS LOCATION PER DET C/C252.
- P REMOVE (E) WATER MAIN MIN OF 3' FROM (N) WATER MAIN AND SEAL PER PIPE ABANDONMENT DETAILS ON B/C253.
- Q CONSTRUCT NEW HYDRANT SERVICE LATERAL AND REPLACE EXISTING HYDRANT PER DET B/C253.
- V CONNECT TO EXISTING STEEL PIPE PER DET C/C251.

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PROJ. MGR. ELJ

REV	DESCRIPTION	DATE	APVD

REVISIONS

CITY OF FOLSOM ENVIRONMENTAL AND WATER RESOURCES

ASHLAND WATER REHABILITATION PROJECT II

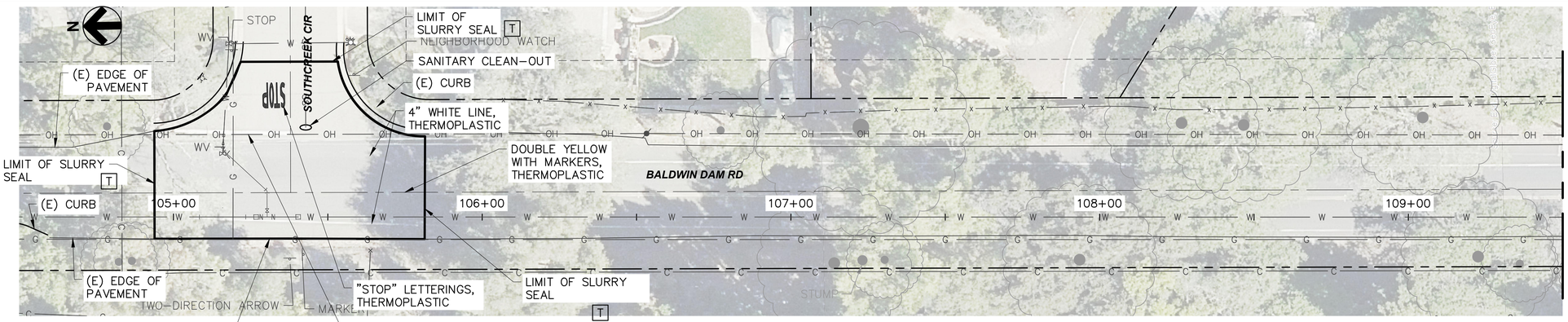
ASHLAND PUMP STATION DEMOLITION AND PIPING PLAN

REGISTERED PROFESSIONAL ENGINEER ERIC L. JONES C68550 CIVIL STATE OF CALIFORNIA
02/04/2022

C211
DRAWING NUMBER

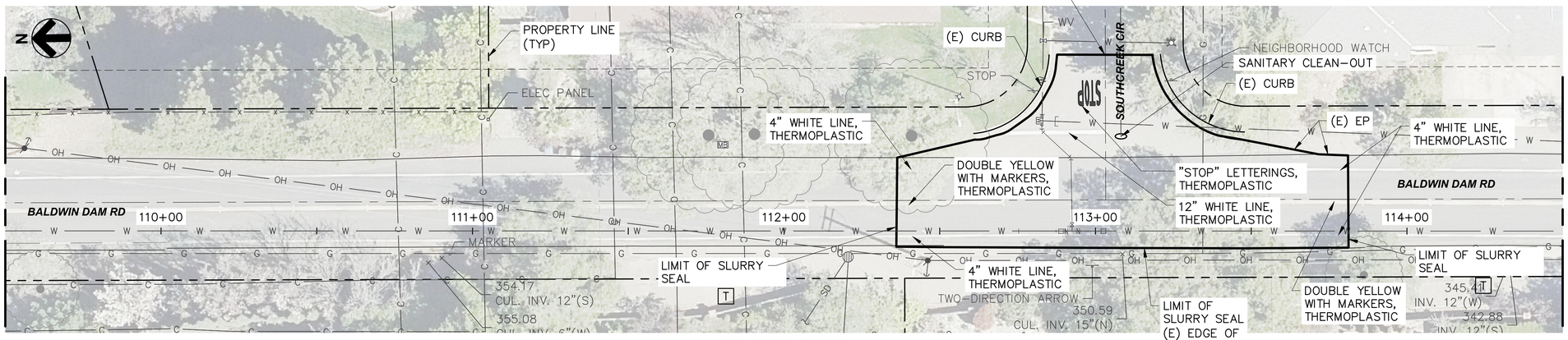
SHEET 17 OF 27

Plot Date: 5/5/2022 3:49 PM
Plotted By: ERIC JONES
File Name: S:\common\projects\361-City of Folsom\006-Ashland II Project\04-Design\Drawings\03-Civil\361-006-C211 Pump Station.dwg



PLAN VIEW

SCALE: 1"=20'-0"



PLAN VIEW

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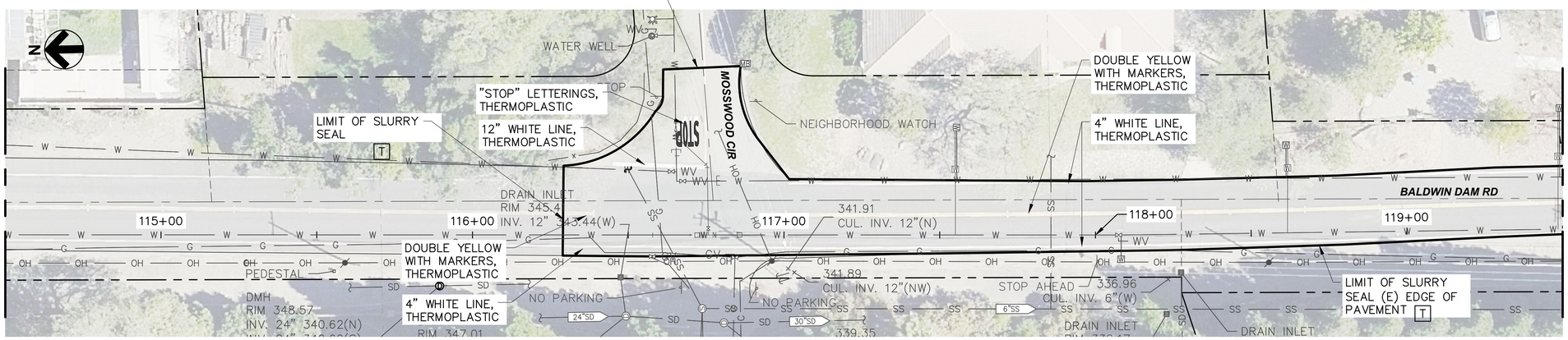

PLAN VIEW

SCALE: 1"=20'-0"

NOTES

1. WITHIN THE LIMIT OF SLURRY SEAL CONTRACTOR SHALL REMOVE AND REPLACE ALL STRIPPING, REFLECTORS, PAVEMENT MARKERS, AND ALL OTHER SURFACE FEATURES IN KIND IN ACCORDANCE WITH THE LATEST EDITION OF THE CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, CITY STANDARDS, AND CITY STANDARD DETAILS.

CONSTRUCTION NOTES

T TYPE II SLURRY SEAL ROAD (WIDTH APPROX 30') AND INTERSECTION AS SHOWN ON PLANS. SEE SPEC SECTION 02500. SEAL CRACKS PER SPEC SECTION 02600.

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REVISIONS

CITY OF FOLSOM ENVIRONMENTAL AND WATER RESOURCES

ASHLAND WATER REHABILITATION PROJECT II

SLURRY SEAL AND STRIPING PLAN - STA 104+50 TO 119+50

REGISTERED PROFESSIONAL ENGINEER
ERIC L. JONES
C68550
CIVIL
STATE OF CALIFORNIA
02/04/2022

C220
DRAWING NUMBER

SHEET 18 OF 27

Plot Date: 5/5/2022 3:50 PM
Plotted By: ERIC JONES
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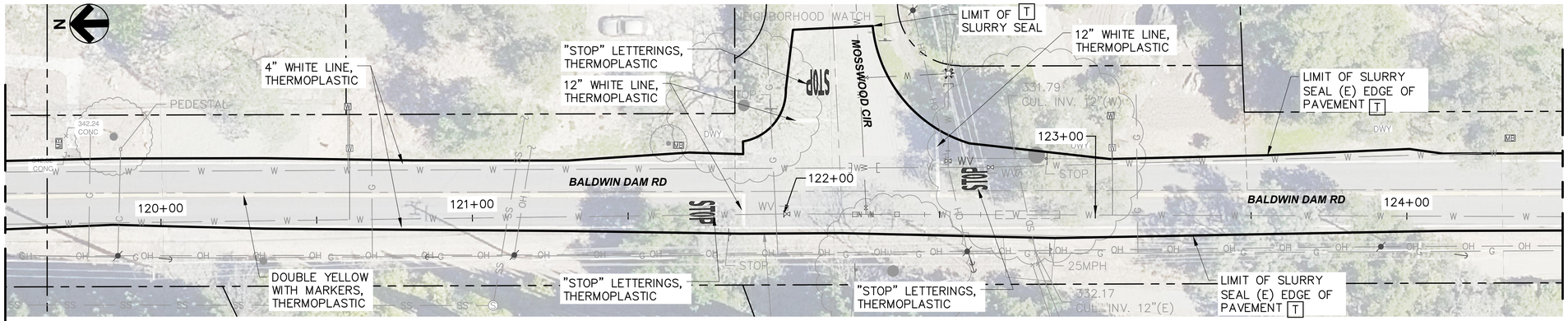
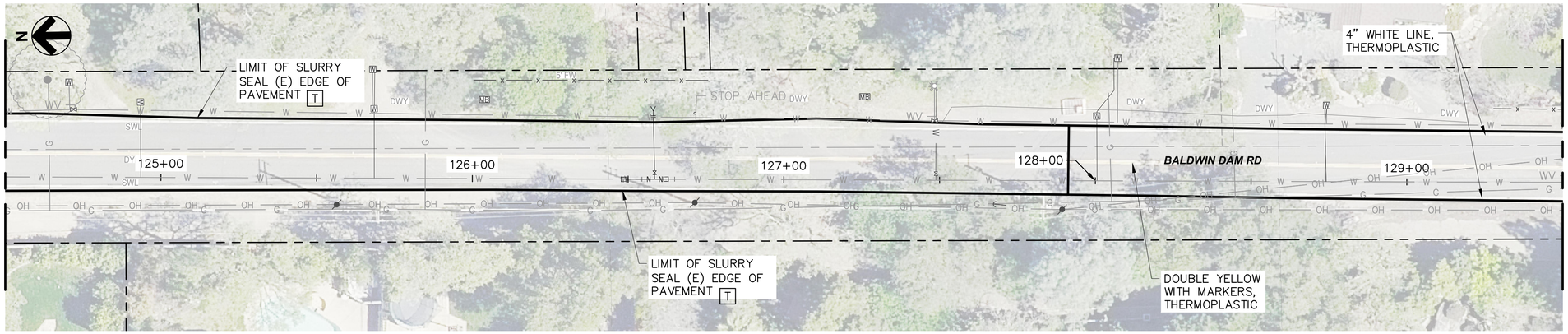


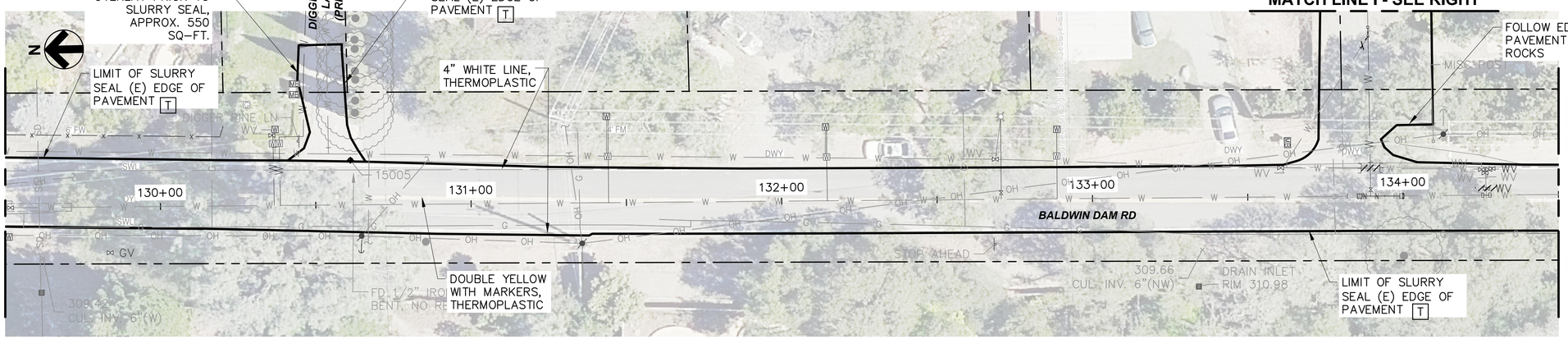
PLAN VIEW

SCALE: 1"=20'-0"



PLAN VIEW

SCALE: 1"=20'-0"



PLAN VIEW

SCALE: 1"=20'-0"

NOTES

1. WITHIN THE LIMIT OF SLURRY SEAL CONTRACTOR SHALL REMOVE AND REPLACE ALL STRIPPING, REFLECTORS, PAVEMENT MARKERS, AND ALL OTHER SURFACE FEATURES IN KIND IN ACCORDANCE WITH THE LATEST EDITION OF THE CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, CITY STANDARDS, AND CITY STANDARD DETAILS.

CONSTRUCTION NOTES

T TYPE II SLURRY SEAL ROAD (WIDTH APPROX 30') AND INTERSECTION AS SHOWN ON PLANS. SEE SPEC SECTION 02500. SEAL CRACKS PER SPEC SECTION 02600.

MATCH LINE I - SEE LEFT

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REVISIONS

CITY OF FOLSOM ENVIRONMENTAL AND WATER RESOURCES

ASHLAND WATER REHABILITATION PROJECT II

SLURRY SEAL AND STRIPING PLAN - STA 119+50 TO 134+50

REGISTERED PROFESSIONAL ENGINEER ERIC L. JONES C68550 CIVIL STATE OF CALIFORNIA
02/04/2022

C221
DRAWING NUMBER

SHEET 19 OF 27

Plot Date: 5/5/2022 3:50 PM
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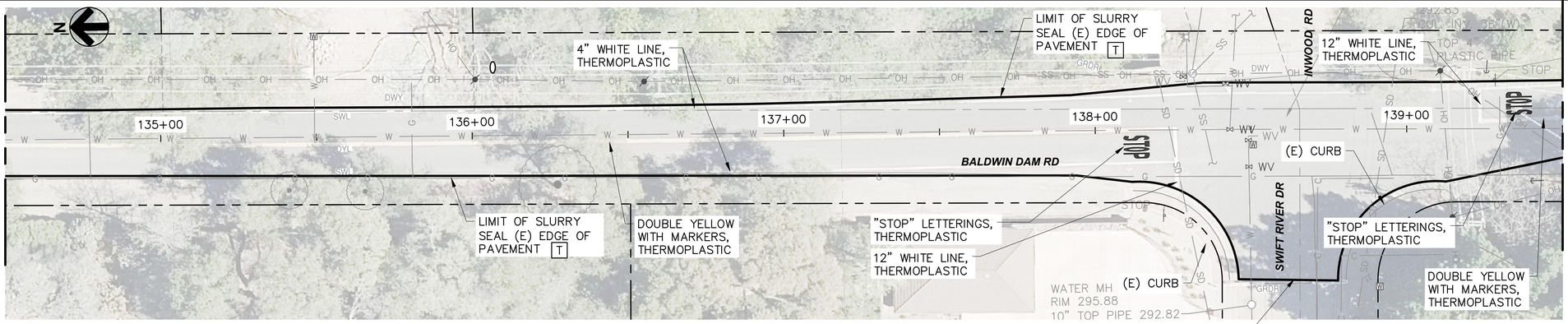
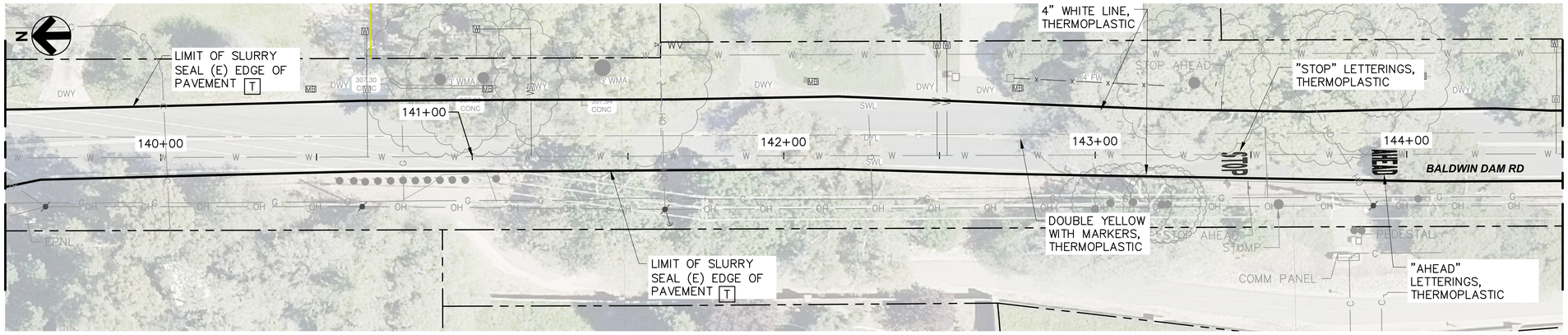
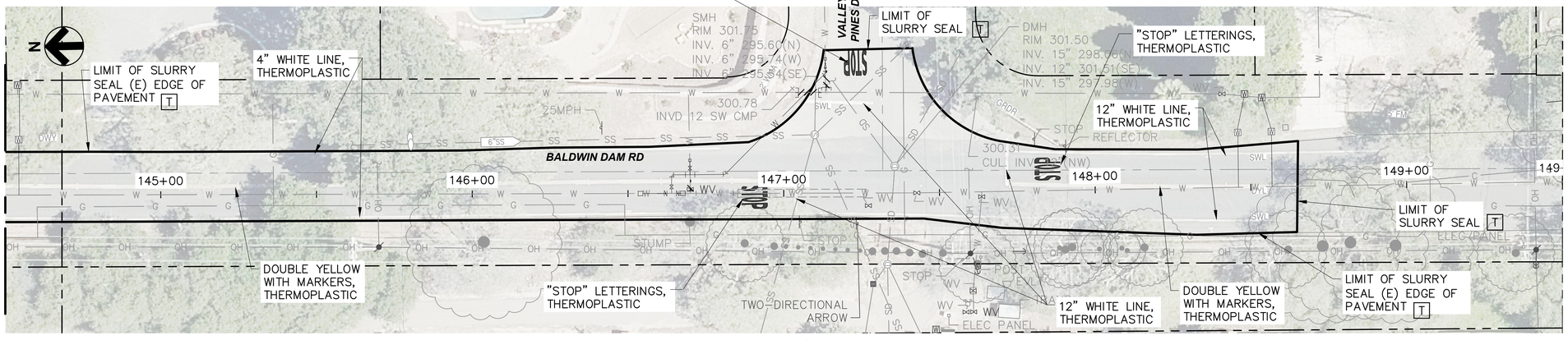


PLAN VIEW
SCALE: 1"=20'-0"

T LIMIT OF SLURRY SEAL



PLAN VIEW
SCALE: 1"=20'-0"



PLAN VIEW
SCALE: 1"=20'-0"

NOTES

1. WITHIN THE LIMIT OF SLURRY SEAL CONTRACTOR SHALL REMOVE AND REPLACE ALL STRIPPING, REFLECTORS, PAVEMENT MARKERS, AND ALL OTHER SURFACE FEATURES IN KIND IN ACCORDANCE WITH THE LATEST EDITION OF THE CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, CITY STANDARDS, AND CITY STANDARD DETAILS.

CONSTRUCTION NOTES

T TYPE II SLURRY SEAL ROAD (WIDTH APPROX 30') AND INTERSECTION AS SHOWN ON PLANS. SEE SPEC SECTION 02500. SEAL CRACKS PER SPEC SECTION 02600.

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REVISIONS

CITY OF FOLSOM ENVIRONMENTAL AND WATER RESOURCES

ASHLAND WATER REHABILITATION PROJECT II

SLURRY SEAL AND STRIPING PLAN - STA 134+50 TO 149+50

REGISTERED PROFESSIONAL ENGINEER ERIC L. JONES C68550 CIVIL STATE OF CALIFORNIA 02/04/2022

C222
DRAWING NUMBER

SHEET 20 OF 27

Plot Date: 5/5/2022 3:51 PM
Plotted By: ERIC JONES
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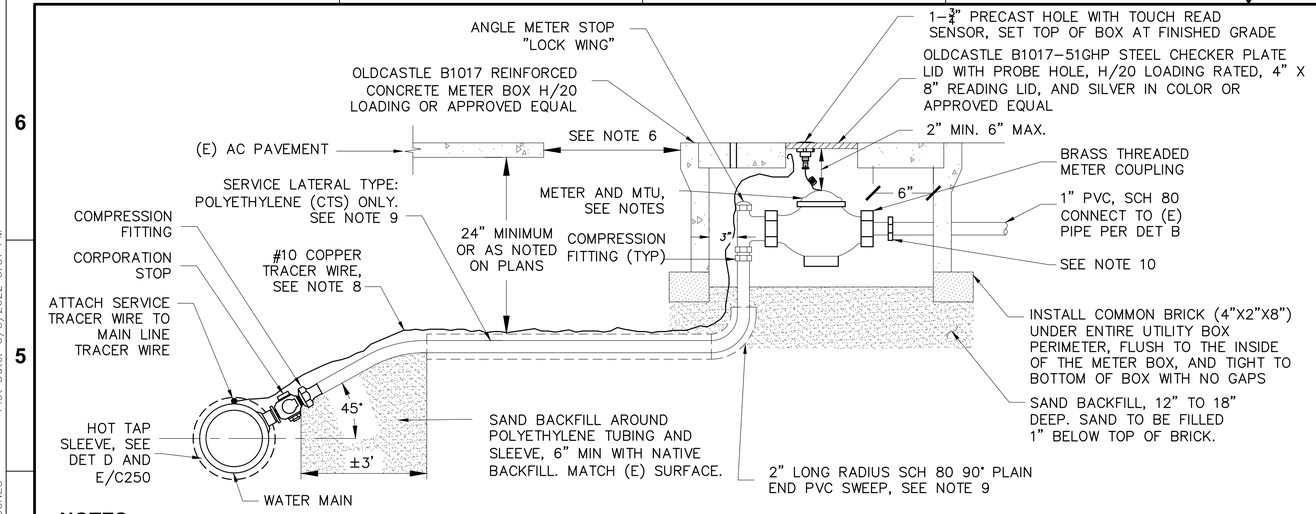
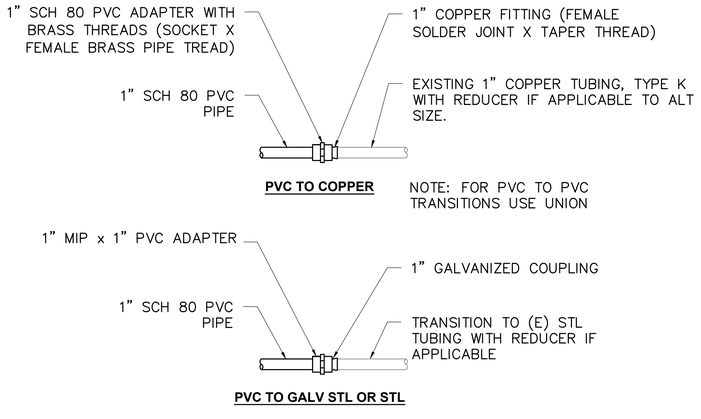


NOTES:

1. CORPORATION STOP SHALL BE M.I.P. BY COMPRESSION.
2. ANGLE METER STOP SHALL HAVE SWIVEL NUT AND LOCK WINGS AND BE VERTICALLY PLUMBED.
3. CORPORATION STOP, CURB STOP, ANGLE METER STOPS, METER, AND SERVICE LINE TO BE SAME SIZE.
4. METER AND FIXED NETWORK FIREFLY SHALL BE PROVIDED BY CITY UPON APPROVAL OF NO-FEE PERMIT.
5. ALL FITTINGS, VALVES, AND CORPORATION STOPS SHALL BE BRONZE; SERVICE SADDLES SHALL BE BRONZE OR STAINLESS STEEL. ALL BRASS PIPES AND FITTINGS SHALL BE IDENTIFIED AS "LEAD FREE".
6. METER BOX SHALL BE LOCATED 36" FROM EDGE OF ROADWAY AC, UNLESS OTHERWISE INDICATED ON THE PLANS.
7. POLYETHYLENE SERVICE LINE SHALL BE LAID CONTINUOUS FROM SERVICE SADDLE TO ANGLE METER STOP.
8. #10 INSULATED COPPER TRACING WIRE SHALL BE ATTACHED TO THE PVC SLEEVE FROM THE MAIN TO THE METER BOX (SEE WR-12), SECURED TO 2" SLEEVE BACK. NO SPLICE IS ALLOWED IN POLYETHYLENE SERVICE LINE OR WIRE. ALL PIPE AND FITTINGS IN EACH SERVICE ASSEMBLY SHALL BE SAME SIZE.
9. 2" SCH 40 PVC SLEEVE REQUIRED FOR 1" SERVICES. WRAP BOTH ENDS OF PVC SLEEVE WITH 10 MIL TAPE.
10. BRASS COUPLER WITH SCHEDULE 80 TOE NIPPLE AND TRANSITION TO PVC.
11. PROVIDE MIN 8" VERTICAL AND HORIZONTAL SEPARATION BETWEEN (N) & (E) SERVICE LATERALS.
12. DETAIL BASED ON CITY STANDARD DETAIL WR-1 AND PROJECT SPECIFIC REQUIREMENTS.

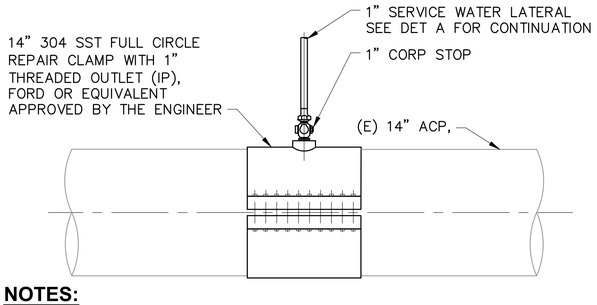
METERED WATER SERVICE (BELOW 3") — A

SCALE: NTS



EXISTING WATER SERVICE CONNECTION DETAILS — B

SCALE: NTS

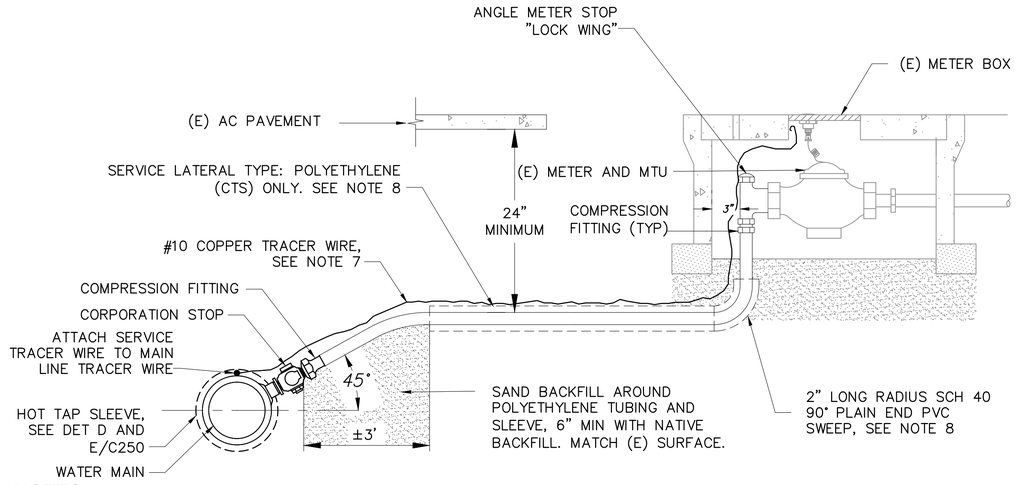


NOTES:

1. ALL HARDWARE TO BE 304 SS OR APPROVED EQUAL.
2. PROVIDE TEMPORARY PRESSURE TESTING AND FLUSHING CONNECTION FOR USE DURING THE CUTTING PROCESS.
3. SERVICE CONNECTION REPAIR CLAMPS SHALL NOT BE INSTALLED WITHIN 24" OF A VALVE, JOINT, FITTING OR OTHER SERVICE.

WATER SERVICE AC PIPE HOT TAP CONNECTION DETAIL — D

SCALE: NTS

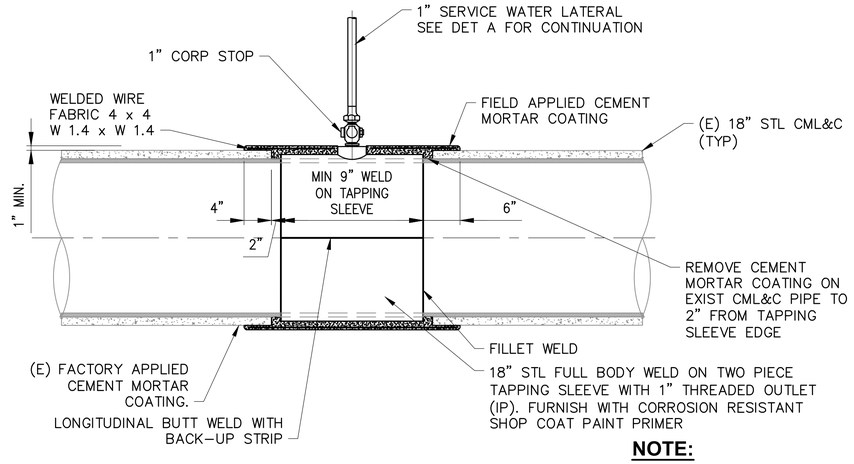


NOTES:

1. CORPORATION STOP SHALL BE M.I.P. BY COMPRESSION.
2. ANGLE METER STOP SHALL HAVE SWIVEL NUT AND LOCK WINGS AND BE VERTICALLY PLUMBED.
3. CORPORATION STOP, CURB STOP, ANGLE METER STOPS, METER, AND SERVICE LINE TO BE SAME SIZE.
4. ALL FITTINGS, VALVES, AND CORPORATION STOPS SHALL BE BRONZE; SERVICE SADDLES SHALL BE BRONZE OR STAINLESS STEEL. ALL BRASS PIPES AND FITTINGS SHALL BE IDENTIFIED AS "LEAD FREE".
5. POLYETHYLENE SERVICE LINE SHALL BE LAID CONTINUOUS FROM SERVICE SADDLE TO ANGLE METER STOP.
6. SERVICE SADDLES SHALL NOT BE INSTALLED WITHIN 24" OF A VALVE, JOINT, FITTING OR OTHER SERVICE SADDLE.
7. #10 INSULATED COPPER TRACING WIRE SHALL BE ATTACHED TO THE PVC SLEEVE FROM THE MAIN TO THE METER BOX (SEE WR-12), SECURED TO 2" SLEEVE BACK. NO SPLICE IS ALLOWED IN POLYETHYLENE SERVICE LINE OR WIRE. ALL PIPE AND FITTINGS IN EACH SERVICE ASSEMBLY SHALL BE SAME SIZE.
8. 2" SCH 40 PVC SLEEVE REQUIRED FOR 1" SERVICES. WRAP BOTH ENDS OF PVC SLEEVE WITH 10 MIL TAPE.
9. PROVIDE MIN 8" VERTICAL AND HORIZONTAL SEPARATION BETWEEN (N) & (E) SERVICE LATERALS.
10. DETAIL BASED ON CITY STANDARD DETAIL WR-1 AND PROJECT SPECIFIC REQUIREMENTS.

METERED WATER SERVICE (BELOW 3") TO (E) WATER METER — C

SCALE: NTS



NOTE:

1. SEE NOTE 2 & 3 ON DET D, THIS PAGE.

WATER SERVICE STL PIPE HOT TAP — E

SCALE: NTS

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DATE 3/23/2022
DRAWN BY AGP/BF
DESIGNED BY BF
PROJ. MGR. ELJ

REV	DESCRIPTION	DATE	APVD

REVISIONS

CITY OF FOLSOM ENVIRONMENTAL AND WATER RESOURCES

ASHLAND WATER REHABILITATION PROJECT II

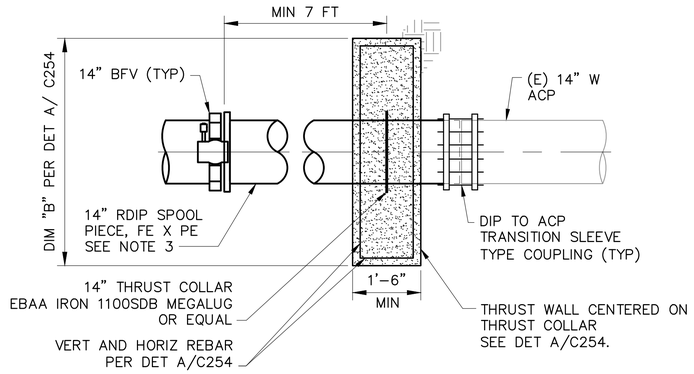
DETAILS - C250

REGISTERED PROFESSIONAL ENGINEER — ERIC L. JONES — C68550 — CIVIL — STATE OF CALIFORNIA — 02/04/2022

C250
DRAWING NUMBER

SHEET 21 OF 27

Plot Date: 5/5/2022 3:51 PM
Plotted By: ERIC JONES
File Name: S:\common\projects\361-City of Folsom\006-Ashland II Project\04-Design\Drawings\03-Civil\361-006-C250 to C256 Details.dwg

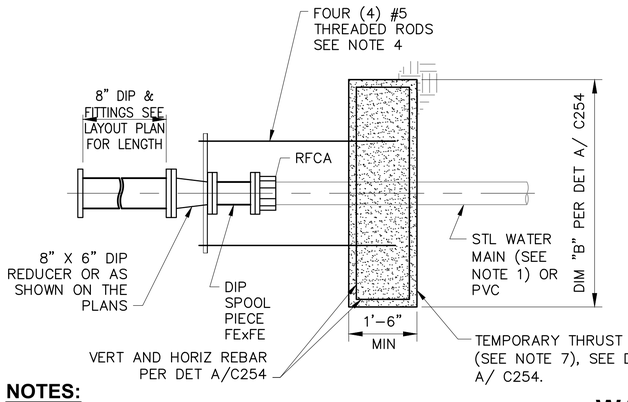


NOTES:

1. SAW CUT EXIST ACP.
2. PROVIDE ADEQUATE CLEARANCE BETWEEN VALVE, THRUST BLOCK, AND COUPLINGS TO PERMIT FUTURE DISASSEMBLY AND REASSEMBLY.
3. PROVIDE ADDITIONAL 14–IN DIP TO LOCATE THRUST BLOCK AWAY FROM INTERFERING UTILITIES AND TO LOCATE ACP CUT AT SOUND LOCATION, UP TO 10 LINEAR FEET, AS DIRECTED BY ENGINEER.

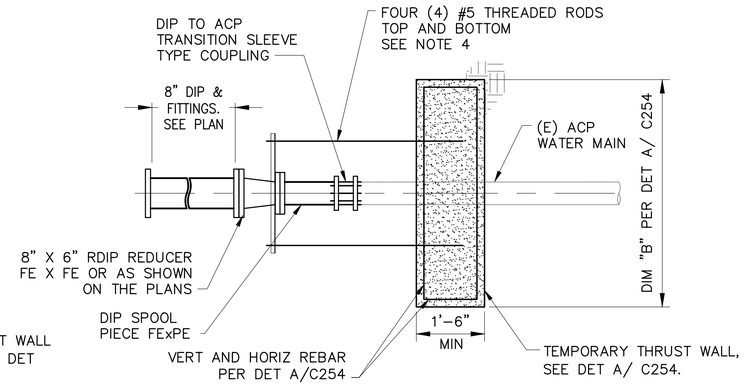
WATER LINE CONNECTION TO MAIN - DIP TO ACP (A)

SCALE: NTS



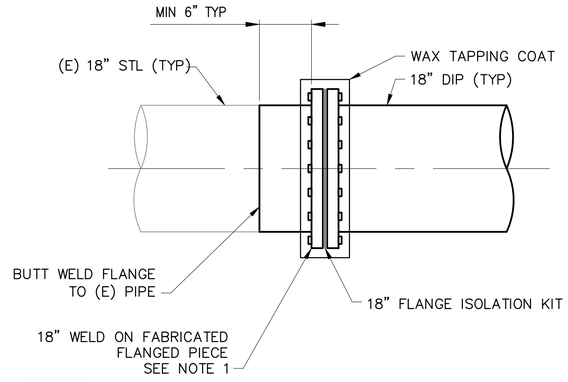
NOTES:

1. REMOVE CONC COATING AS REQUIRED TO INSTALL RFCA.
2. SAW CUT EXIST ACP.
3. PROVIDE ADEQUATE CLEARANCE BETWEEN VALVE, THRUST BLOCK, AND COUPLINGS TO PERMIT FUTURE DISASSEMBLY AND REASSEMBLY.
4. THREADED RODS SHALL BE CAST INTO CONC WITH J–HOOK BENDED TO MIN 6–INCH. PROVIDE MIN 12–INCHES EMBEDMENT AND ATTACH THREADED ROD TO REDUCER FLANGE USING ANGLE IRON ATTACHED TO FLANGE. SPACE THREADED RODS EVEN AROUND PIPE.
5. TEMPORARY ANCHOR BLOCK MUST ACHIEVE MIN 80% OF COMPRESSIVE STRENGTH PRIOR TO CUTTING (E) ACP AND INSTALLING CONNECTION.
6. PROVIDE ADDITIONAL DIP SPOOL LENGTH TO LOCATE PIPE CUT AT SOUND LOCATION, UP TO 10 LINEAR FEET, AS DIRECTED BY ENGINEER.
7. FOR WELDING STL PIPE, TEMP THRUST WALL AND ASSOCIATED CONNECTION NOT REQUIRED. FOR PVC PIPE, CONTRACTOR SHALL EITHER PROVIDE TEMP THRUST WALL OR EXPOSED EXISTING PIPE JOINT AND PROVIDE MINIMUM 15–FT RESTRAINT LENGTH.



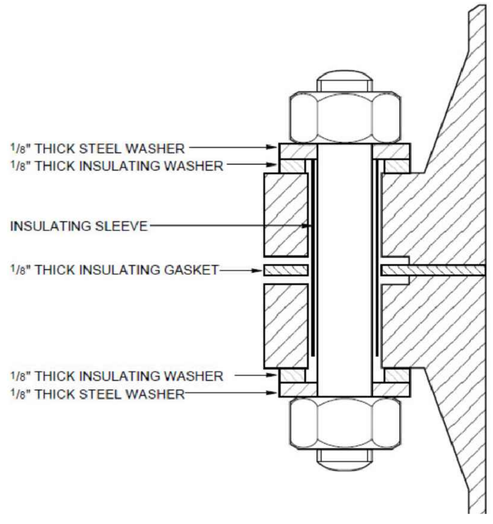
WATER LINE CONNECTION - DIP TO STL /PVC OR DIP TO ACP (B)

SCALE: NTS



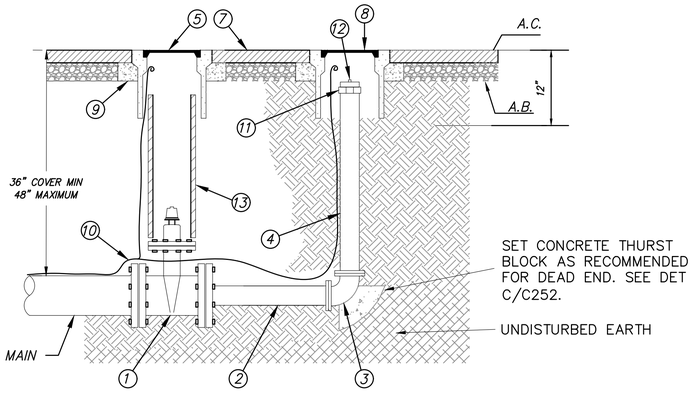
NOTES:

1. FABRICATED STEEL SPOOL PIECE WITH FLANGED END TO MATCH DIP BOLTING PATTERN.
2. STEEL SPOOL PIECE THICKNESS TO MATCH EXISTING STEEL PIPE THICKNESS.
3. CONTRACTOR SHALL REMOVE THE CML&C BEFORE WELDING ON STEEL SPOOL PIECE. CML&C SHALL BE REPAIRED AFTER WELDING IS COMPLETED.
4. FLANGE TO BE WRAPPED IN WAX TAPE AFTER INSTALLATION.



WATER LINE CONNECTION TO MAIN - DIP TO STL PIPE (C)

SCALE: NTS



1. GATE VALVE (SEE DET D/C252)
2. 2'x4" OR 6" FLANGED SPOOL
3. 4" OR 6" 90° ELBOW
4. 4" OR 6" FLANGED DIP SPOOL
5. TRAFFIC LID (CHRISTY G5 OR EQUAL)
6. NOT USED
7. 1.5" MIN AC ABOVE COLLAR
8. H20 TRAFFIC LID TO READ "BO" (CHRISTY G5 OR EQUAL)
9. 4"x4" CONCRETE COLLAR, TYP
10. #10 COPPER TRACER WIRE (SEE WR–12)
11. INSTALL COMPANION FLANGE
12. 4" BRASS PLUG
13. VALVE BOX RISER (SEE DET E/C252)

NOTES:

1. REQUIRED TO BE PLACED AT THE END OF 8" OR LARGER WATER MAINS.
2. BLOW OFF VALVE TO BE PLACED AT THE END OF MAIN LINE.
3. TEMPORARY BLOW OFF VALVES MAY BE 4" GALVANIZED.
4. PERMANENT BRASS BLOW OFF SHALL BE IDENTIFIED AS "LEAD FREE".
5. DETAIL BASED ON CITY STANDARD DETAIL WR–5 AND PROJECT SPECIFIC REQUIREMENTS.

END OF THE LINE BLOWOFF VALVE ASSEMBLY (D)

SCALE: NTS

HydroScience
10569 OLD PLACERVILLE ROAD
SACRAMENTO, CA 95827
OFFICE: 916.364.1490

PAPER SIZE: 22X34 (ANSI D)

0" 1/2" 1"

THIS BAR IS 1 INCH AT FULL SCALE. IF NOT, SCALE ACCORDINGLY.

JOB NO. 361-006
DATE 3/23/2022
DRAWN BY AGP/BF
DESIGNED BY BF
PROJ. MGR. ELJ

REV	DESCRIPTION	DATE	APVD

REVISIONS

CITY OF FOLSOM ENVIRONMENTAL AND WATER RESOURCES

ASHLAND WATER REHABILITATION PROJECT II

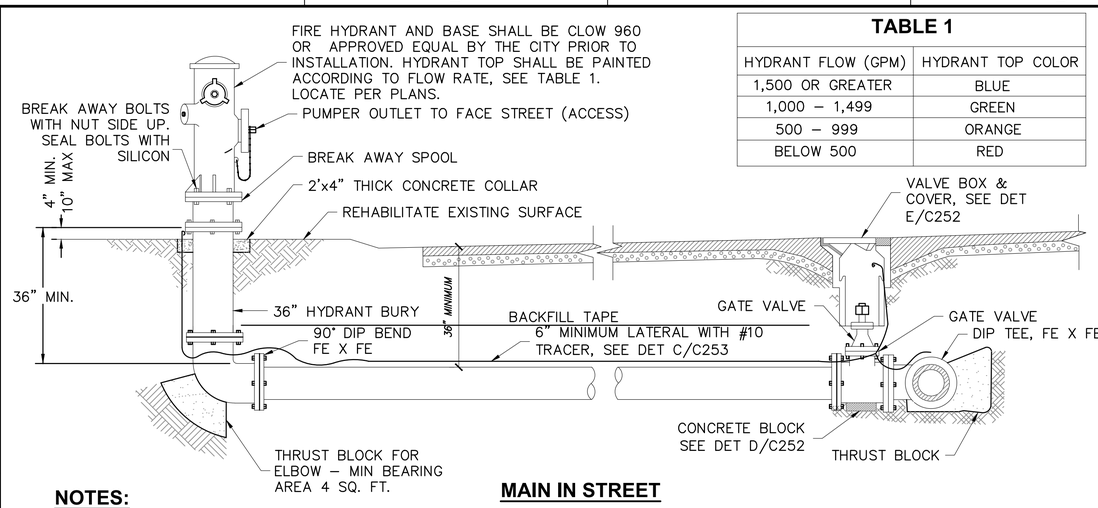
DETAILS - C251

REGISTERED PROFESSIONAL ENGINEER — ERIC L. JONES — C68550 — CIVIL — STATE OF CALIFORNIA — 02/04/2022

C251
DRAWING NUMBER

SHEET 22 OF 27

Plot Date: 5/5/2022 3:51 PM
Plotted By: ERIC JONES
File Name: S:\common\projects\361-City of Folsom\006-Ashland II Project\04-Design\Drawings\03-Civil\361-006-C250 to C256 Details.dwg



MAIN IN STREET

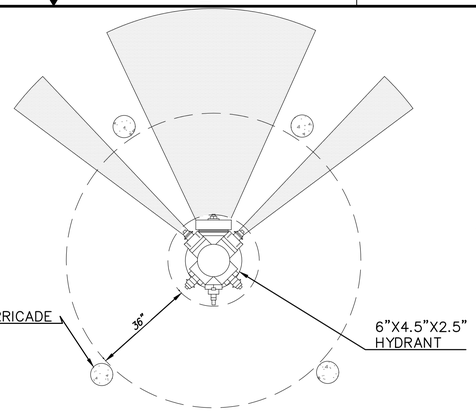
TABLE 1	
HYDRANT FLOW (GPM)	HYDRANT TOP COLOR
1,500 OR GREATER	BLUE
1,000 – 1,499	GREEN
500 – 999	ORANGE
BELOW 500	RED

NOTES:

1. HYDRANT LATERALS OVER 50 LINEAR FEET SHALL BE 8".
2. IN COMMERCIAL AREAS, FIRE HYDRANTS SHALL BE PROTECTED FROM VEHICULAR DAMAGE AND ACCESSIBLE TO FIRE PROTECTION EQUIPMENT PER CITY STANDARDS.
3. ALL FITTING AND HYDRANT LATERAL SHALL BE DUCTILE IRON OR PVC C900.
4. DETAILS SHOWN FOR VALVES ON HYDRANT LATERALS SHALL ALSO APPLY TO VALVES ON MAINS.
5. VALVES AND FITTINGS SHALL BE DOUBLE WRAPPED IN 8 MIL POLYETHYLENE.
6. MARK HYDRANT WITH BLUE PAVEMENT REFLECTOR, SEE SPECIFICATIONS.
7. TYPES SHOWN ARE FOR ILLUSTRATION PURPOSES ONLY.
8. GATE VALVE SHALL BE FLANGE CONNECTED ADJACENT TO MAIN.
9. PAINT CITY HYDRANTS WITH TWO COATS OF SAFETY YELLOW AND PRIVATE HYDRANTS WHITE.
10. PLACE HYDRANT 3' FROM BACK OF CURB OR EDGE OF CONCRETE IF THERE IS NO SIDEWALK.
11. PLACE HYDRANT ON LONG SIDE OF STREET RELATIVE TO MAIN WHEREVER POSSIBLE.
12. WHEN ADJACENT DRIVEWAYS ARE BOTH LOCATED ON THE SHORT SIDE OF A PROPERTY LINE, HYDRANT SHOULD NOT BE LOCATED BETWEEN DRIVEWAYS.
14. DETAIL BASED ON CITY STANDARD DETAIL WR–8 AND PROJECT SPECIFIC REQUIREMENTS.
15. HYDRANT SHALL BE CLOW 960 OR APPROVED EQUAL.

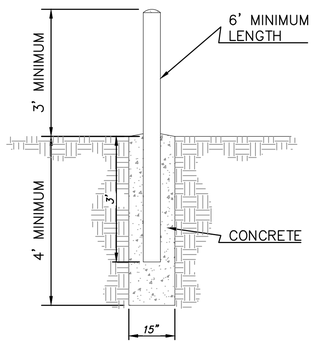
FIRE HYDRANT & VALVE INSTALLATION (A)

SCALE: NO SCALE



PLAN

FIRE HYDRANT BARRICADES (TYPICAL)

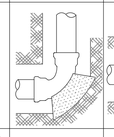
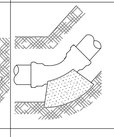
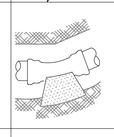
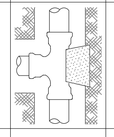
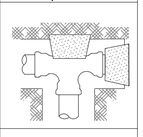


BARRICADE DETAIL

NOTES:

1. PLACEMENT OF BARRICADES SHALL BE APPROVED BY THE CITY PRIOR TO INSTALLATION.
2. THE EXACT LOCATION OF BARRICADES MAY BE MODIFIED BY THE FIRE CHIEF FOLLOWING A FIELD INSPECTION.
3. BARRICADES SHALL BE 4" STEEL PIPE POURED FULL OF CONCRETE WITH TOP OF PIPE FINISHED OFF.
4. BARRICADES SHALL BE 6" DIAMETER PIPE IF HEAVY TRUCK TRAFFIC IS ANTICIPATED. SCHEDULE 40 STEEL AND ONCRETE–FILLED.
5. POSTS, FENCES, VEHICLES, VEGETATION, STORAGE, AND OTHER MATERIALS OR THINGS SHALL NOT BE PLACED OR KEPT NEAR FIRE HYDRANTS IN A MANNER THAT WOULD PREVENT FIRE HYDRANTS FROM BEING IMMEDIATELY DISCERNABLE.
6. EXPOSED STEEL PIPE SHALL BE PAINTED WITH A MINIMUM OF TWO COATS OF PRIMER AND FINISHED WITH A MINIMUM OF TWO COATS OF "TRAFFIC SAFETY YELLOW" IN ACCORDANCE WITH AWWA C–502.
7. BURIED STEEL PIPE SHALL BE COAL–TAR COATED INACCORDANCE WITH AWWA C–2–5 OR COVERED WITH COLD–APPLIED TAPE IN ACCORDANCE WITH AWWA C–209.
8. DETAIL BASED ON CITY STANDARD DETAIL WR–13 AND PROJECT SPECIFIC REQUIREMENTS.

MINIMUM REQUIRED BEARING AREA - TOTAL SQUARE FEET

TYPE OF FITTING		90° BEND	45° BEND	11 1/4" OR 22 1/2" BEND	TEE OR DEAD END	TEE W/PLUG
TYPICAL INSTALLATION						
SIZE OF PIPE	6"	–	–	–	–	–
	8"	*25.2*	*13.6*	–	*17.8*	–
	10"	–	–	–	–	–
	12"	–	–	–	–	–
	14"	–	–	–	*42.2*	*42.2*

NOTES:

1. THRUST BLOCK SIZES BASED ON A UNIT PASSIVE SOIL PRESSURE OF 360 PSF PER FOOT OF DEPTH, WITH A MINIMUM SOIL COVER OF 2'–6" AND A FACTOR OF SAFETY OF 1.5.
2. THRUST BLOCKS TO BE CONSTRUCTED OF CLASS B CONCRETE. CONCRETE COMPRESSIVE STRENGTH SHALL MEET SPECIFICATIONS FOR 3000 PSI AT 28 DAYS CURING WHEN TESTED IN ACCORDANCE WITH ASTM C39.
3. THRUST BLOCKS SHALL BE POURED SOLIDLY AGAINST FIRM, UNDISTURBED SOIL WITH PASSIVE PRESSURE EQUAL TO OR GREATER THAN THAT SHOWN IN NOTE 1.
4. AREAS GIVEN ARE FOR PIPES TESTED AT PRESSURE OF 225 P.S.I. INSTALLATIONS, TEST PRESSURES, AND/OR LESSER SOIL TYPES SHOULD ADJUST AREAS ACCORDINGLY, SUBJECT TO APPROVAL OF ENGINEER.
5. JOINTS AND FACE OF PLUGS SHALL BE KEPT CLEAR OF CONCRETE.
6. THRUST BLOCKS MAY BE REQUIRED FOR CASES NOT DEPICTED ABOVE.
7. PROVIDE TEMPORARY THRUST BLOCK PER DET B/ C251 FOR BENDS AT CONNECTIONS.

THRUST BLOCK BEARING AREA (C)

SCALE: NO SCALE

FIRE HYDRANT PROTECTION (B)

SCALE: NO SCALE

VALVE SIZE	ANCHOR BLOCK FOOTPRINT DIMENSIONS	
	'A' (FT)	'B' (FT)
6	1.5	1.0
8	1.5	1.0
10	2.0	1.5
12	2.0	1.5
14	2.5	2.0
18	2.5	2.5

('B' PERPENDICULAR DIMENSION)

NOTES:

1. ANCHOR BLOCK SHALL BE KEYED NO LESS THAN 12 INCHES INTO UNDISTURBED SOIL OF THE TRENCH WALL AND NO LESS THAN 6 INCHES INTO THE TRENCH BOTTOM.
2. ANCHORS ARE TO BE INSTALLED ON ALL VALVES UNLESS OTHERWISE NOTED ON PLANS. ALL ANCHOR RODS ARE TO BE COVERED WITH BITUMASTIC COMPOUND.

BURIED VALVE SUPPORT DETAIL (D)

SCALE: NO SCALE

NOTES:

1. 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'.
2. VALVE BOX AND RISER TO BE SET PLUMB AND CENTERED OVER WATER VALVE NUT.
3. FIELD COLLAR REQUIRED WHEN VALVES ARE INSTALLED IN SOIL. MINIMUM. 2' DIAMETER COLLAR 6" ABOVE GRADE.
4. USE CHRISTY G–05 OR APPROVED EQUAL.
5. 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:
   5.1. POTABLE PRESSURE ZONE LABELS: PZ–1, PZ–2, PZ–3, PZ–4, PZ–5, PZ–6.
6. DETAIL BASED ON CITY STANDARD DETAIL WR–7 AND PROJECT SPECIFIC REQUIREMENTS.

WATER VALVE RISER AND BOX (E)

SCALE: NTS

HydroScience
10569 OLD PLACERVILLE ROAD
SACRAMENTO, CA 95827
OFFICE: 916.364.1490

PAPER SIZE: 22X34 (ANSI D)
0" 1/2" 1"
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JOB NO. 361-006
DATE 3/23/2022
DRAWN BY AGP/BF
DESIGNED BY BF
PROJ. MGR. ELJ

REV	DESCRIPTION	DATE	APVD

REVISIONS

CITY OF FOLSOM ENVIRONMENTAL AND WATER RESOURCES

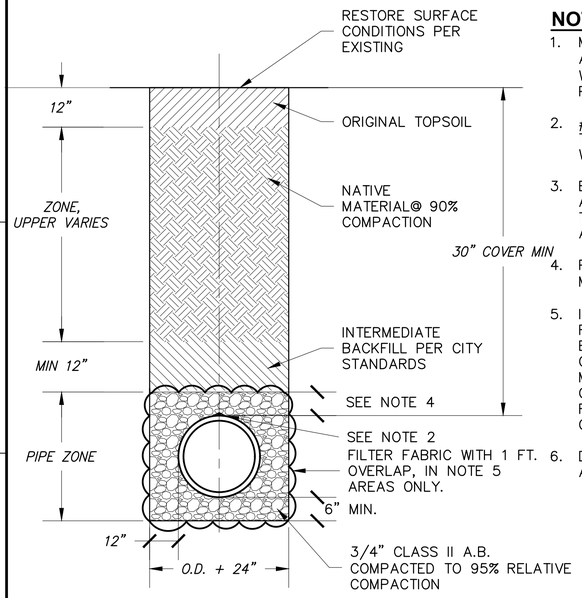
ASHLAND WATER REHABILITATION PROJECT II

DETAILS - C252

REGISTERED PROFESSIONAL ENGINEER ERIC L. JONES C68550 CIVIL STATE OF CALIFORNIA
02/04/2022

C252
DRAWING NUMBER

SHEET 23 OF 27

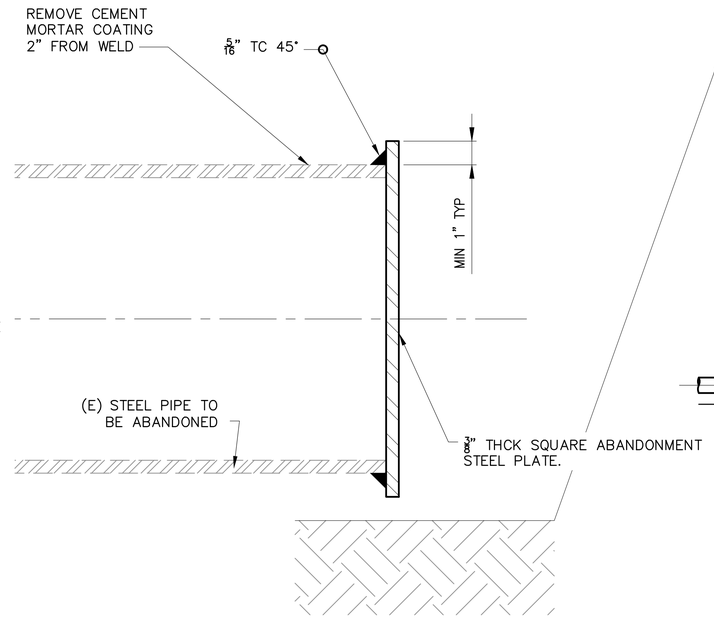


NOTES:

1. MATCH EXISTING SURFACE CONDITIONS. REMOVE AND REPLACE A MINIMUM OF 12" BEYOND TRENCH WALL TO THE SATISFACTION OF THE CITY AND PROPERTY OWNER.
2. #10 TRACER WIRE. CONNECT SERVICE LATERAL TRACER WIRE TO MAIN LINE TRACER WIRE PER WR-12 AND CITY STANDARDS.
3. BACKFILL SHALL BE MECHANICALLY CONSOLIDATED AND SHOVEL SLICED UNDER THE HAUNCHES OF THE PIPE. SEE CITY SPECIFICATIONS FOR BACKFILL AND COMPACTION REQUIREMENTS.
4. PIPE ZONE COVER OVER THE TOP OF WATER MAINS SHALL BE A MINIMUM OF 12".
5. 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.
6. DETAIL BASED ON CITY STANDARD DETAIL RD-21 AND PROJECT SPECIFIC REQUIREMENTS.

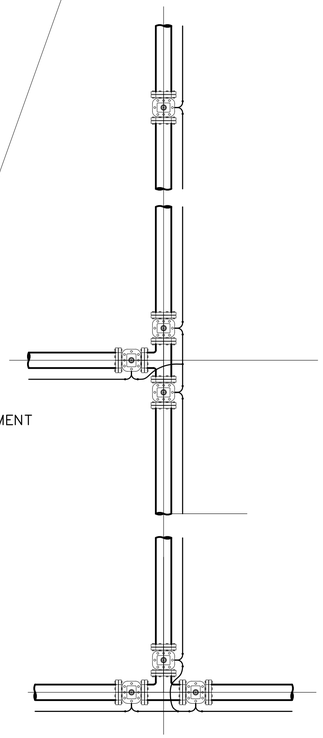
TYPICAL TRENCH SECTION - OUTSIDE OF ROADWAY (A)

SCALE: NO SCALE

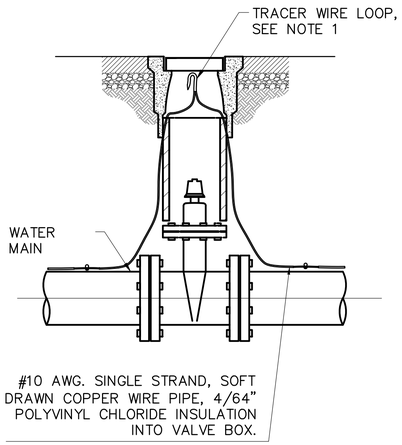


PIPE ABANDONMENT - STL (B)

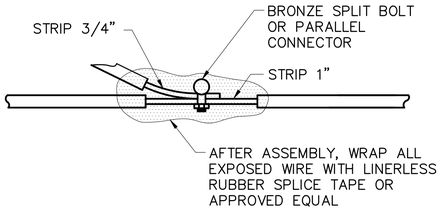
SCALE: NTS



TYPICAL LAYOUT



VALVE DETAIL



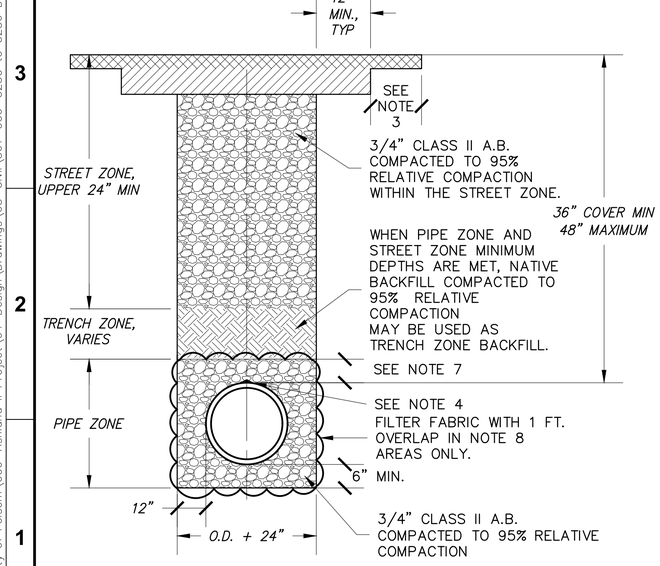
SPLICE DETAIL

NOTES:

1. #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.
2. SITE INSPECTOR WILL PERFORM CONTINUITY TEST ON THE ENTIRE TRACER WIRE SYSTEM PRIOR TO ACCEPTANCE.
3. BARE WIRE MUST NOT TOUCH VALVES OR FITTINGS.
4. LOCATING WIRE TO BE PLACED ON TOP OF PIPE AND TAPED WITH 10 MIL VINYL TAPE EVERY 5'.
5. SOLDERING SHALL BE PERFORMED WHEN REQUESTED BY THE CITY ENGINEER.
6. DETAIL BASED ON CITY STANDARD DETAIL WR-12 AND PROJECT SPECIFIC REQUIREMENTS.

LOCATING WIRE FOR WATER MAIN (C)

SCALE: NTS

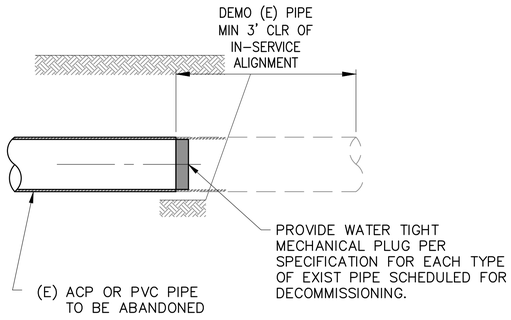


NOTES:

1. MATCH EXISTING A.C. THICKNESS: 4" MINIMUM AND 5.25" MINIMUM BETWEEN BORING A-20-003 AND A-20-005. SEE GEOTECHNICAL REPORT FOR BORING LOCATIONS. A.B. THICKNESS (ROAD SECTION/ T-CUT): 8" MINIMUM.
2. SAW CUT 12" BEYOND THE WIDTH OF THE TRENCH.
3. T-GRIND REQUIRED FOR ALL PAVEMENTS (12" MINIMUM WIDTH). 1½" DEEP GRIND AND PAVE TO THE LIP OF GUTTER, LANE LINE, OR CENTER OF ADJACENT TRAFFIC LANE (WHICHEVER IS APPLICABLE).
4. #10 TRACER WIRE. CONNECT SERVICE LATERAL TRACER WIRE TO MAIN LINE TRACER WIRE PER WR-12 AND CITY STANDARDS.
5. BACKFILL SHALL BE MECHANICALLY CONSOLIDATED AND SHOVEL SLICED UNDER THE HAUNCHES OF THE PIPE. SEE CITY SPECIFICATIONS FOR BACKFILL AND COMPACTION REQUIREMENTS.
6. 3" WIDE (MINIMUM) BLUE MARKING TAPE, 18" ABOVE PIPE. TAPE SHOULD READ "BURIED WATER MAIN".
7. PIPE ZONE COVER OVER THE TOP OF WATER MAINS SHALL BE A MINIMUM OF 12".
8. 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.
9. DETAIL BASED ON CITY STANDARD DETAIL WR-15 AND PROJECT SPECIFIC REQUIREMENTS.

TYPICAL TRENCH SECTION - ROADWAY (D)

SCALE: NTS



PIPE ABANDONMENT - ACP OR PVC (E)

SCALE: NTS

HydroScience
10569 OLD PLACERVILLE ROAD
SACRAMENTO, CA 95827
OFFICE: 916.364.1490

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DESIGNED BY BF
PROJ. MGR. ELJ

REV	DESCRIPTION	DATE	APVD

REVISIONS

CITY OF FOLSOM ENVIRONMENTAL AND WATER RESOURCES

ASHLAND WATER REHABILITATION PROJECT II

DETAILS - C253

REGISTERED PROFESSIONAL ENGINEER
ERIC L. JONES
C68550
CIVIL
STATE OF CALIFORNIA
02/04/2022

C253
DRAWING NUMBER

SHEET 24 OF 27

Plot Date: 5/5/2022 3:51 PM
Plotted By: ERIC JONES
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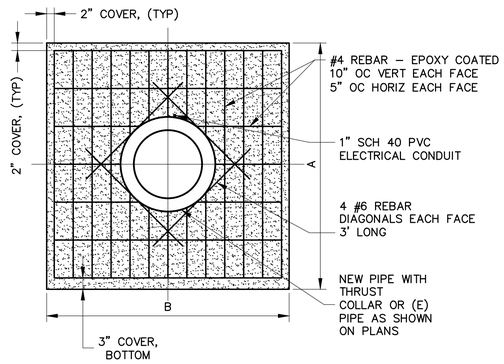

NOTE:

1. ANCHOR BLOCKS SHALL BE CONSTRUCTED CLASS B PORTLAND CEMENT CONCRETE WITH A MINIMUM 3,000 PSI STRENGTH AFTER 28 DAYS PER SPECIFICATIONS.

NO	LOCATION (PLAN VIEW DWG)	DEPTH OF COVER (FT)	NOM. DIA. (INCHES)	MATERIAL	"A" DIM (FEET)	"B" DIM (FEET)
1A	INT. OF BALDWIN LAKE CIR AND BALDWIN DAM RD (C200)	5	14	ACP	5' - 4"	5' - 4"
1B	INT. OF BALDWIN LAKE CIR AND BALDWIN DAM RD (C200)	5	14	ACP	5' - 4"	5' - 4"
2A	INT. OF SOUTHCREEK CIR (NORTH) AND BALDWIN DAM RD (C201)	2.5	14	ACP	6' - 3"	8' - 1"
3A	INT. OF SOUTHCREEK CIR (SOUTH) AND BALDWIN DAM RD (C202)	3.5	14	ACP	6' - 3"	6' - 3"
3B	INT. OF SOUTHCREEK CIR (SOUTH) AND BALDWIN DAM RD (C202)	3.5	8	ACP	3' - 9"	3' - 9"
4A	INT. OF MOSSWOOD CIR (NORTH) AND BALDWIN DAM RD (C203)	6	14	ACP	4' - 11"	4' - 11"
4B	INT. OF MOSSWOOD CIR (NORTH) AND BALDWIN DAM RD (C203)	6	8	ACP	2' - 11"	2' - 11"
5A	INT. OF MOSSWOOD CIR (SOUTH) AND BALDWIN DAM RD (C204)	2.5	14	ACP	6' - 3"	8' - 1"
5B	INT. OF MOSSWOOD CIR (SOUTH) AND BALDWIN DAM RD (C204)	2.5	8	ACP	4' - 4"	4' - 4"
6A	7635 BALDWIN DAM RD (C205)	2.5	14	ACP	6' - 3"	8' - 1"
7A	7497 BALDWIN DAM RD (C206)	2.5	14	ACP	6' - 3"	8' - 1"
7B	7497 BALDWIN DAM RD (C206)	2.5	8	PVC	4' - 4"	4' - 4"
8A	INT. OF VALLEY PINES DR AND BALDWIN DAM RD (C209)	3	14	ACP	6' - 7"	6' - 7"
8B	INT. OF VALLEY PINES DR AND BALDWIN DAM RD (C209)	3	8	MTL UNK	4' - 0"	4' - 0"

THRUST WALL AND TEMPORARY THRUST WALL DETAIL (A)

SCALE: NTS

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JOB NO. 361-006
DATE 3/23/2022
DRAWN BY AGP/BF
DESIGNED BY BF
PROJ. MGR. ELJ

REV	DESCRIPTION	DATE	APVD

REVISIONS

CITY OF FOLSOM ENVIRONMENTAL AND WATER RESOURCES

ASHLAND WATER REHABILITATION PROJECT II

CIVIL DETAILS - 5

REGISTERED PROFESSIONAL ENGINEER
ERIC L. JONES
C68550
CIVIL
STATE OF CALIFORNIA
02/04/2022

C254
DRAWING NUMBER

SHEET 25 OF 27

Plot Date: 5/5/2022 3:51 PM
Plotted By: ERIC JONES
File Name: S:\common\projects\361-City of Folsom\006-Ashland II Project\04-Design\Drawings\03-Civil\361-006-C250 to C256 Details.dwg

GENERAL

1. ALL BURIED FERROUS METALLIC PIPE, VALVES, FITTINGS ETC. SHALL BE CATHODICLY PROTECTED.
2. EACH JOINT SHALL HAVE TWO SEPARATE WELD WIRES. ONE CONNECTION SHOWN ON DETAILS FOR CLARITY

WELDS:

1. WIRE CONNECTIONS TO PIPES, VALVES, FITTINGS ETC. SHALL BE MADE USING EXOTHERMIC WELD KITS.
2. EPOXY COATING SHALL BE REMOVED FROM THE SURFACE OF THE PIPE, VALVE, FITTING ETC. OVER AN AREA JUST SUFFICIENT TO MAKE THE WELD.
3. EXOTHERMIC WELDS SHALL BE COVERED WITH A MOLDED PLASTIC DOME FILLED WITH CORROSION RESISTANT COMPOUND (HANDY CAP OR EQUAL) AND SECURED WITH 10 MIL TAPE.
4. ALL AREAS WHERE THE EPOXY COATING HAS BEEN REMOVED SHALL BE REPAIRED WITH LIQUID EPOXY.
5. EXOTHERMIC WELDS SHALL NOT TOUCH EACH OTHER.

WIRE:

1. WIRE FOR TEST STATIONS SHALL BE SOLID SINGLE CONDUCTOR COPPER WIRE NO. 10 AWG AS SHOWN.
2. WIRE FOR CONTINUITY BONDS SHALL BE STRANDED SINGLE CONDUCTOR COPPER WIRE NO. 10 AWG.
3. ALL WIRES SHALL HAVE A MINIMUM OF 24" COVER, BE FREE OF JOINTS AND SPLICES AND HAVE AT LEAST 18" SLACK LEFT IN THE TEST STATION.
4. CONTINUITY BOND SHALL BE A MAXIMUM LENGTH OF 10 FEET.

TEST STATION:

1. TEST STATION SHALL BE INSTALLED PER STANDARD DRAWING "CATHODIC PROTECTION – TEST STATION"
2. TEST STATIONS SHALL HAVE THE LEGEND "ANODE" CAST ON THE LID.

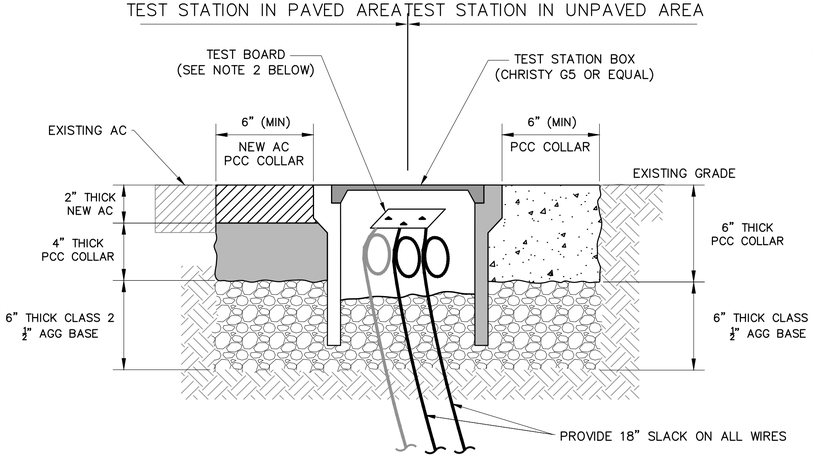
TEST & INSPECTION PROCEDURES:

1. CITY SHALL TEST CATHODIC PROTECTION ASSEMBLY FOR CONTINUITY PRIOR TO BACKFILLING OF TRENCH.
2. CONTRACTOR SHALL PROVIDE THE CITY WITH TEST DATA INDICATING THAT CATHODIC PROTECTION ASSEMBLY IS OPERATING AT AN ACCEPTABLE POTENTIAL.

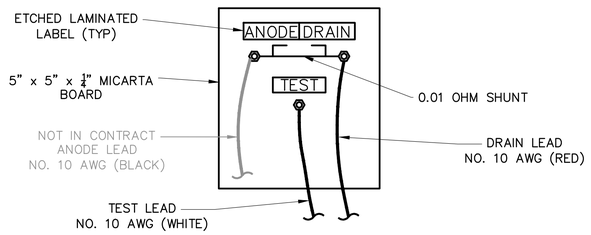
CATHODIC PROTECTION NOTES (A)

SCALE: NTS

TEST STATION IN PAVED AREA TEST STATION IN UNPAVED AREA



TEST STATION HOUSING DETAIL



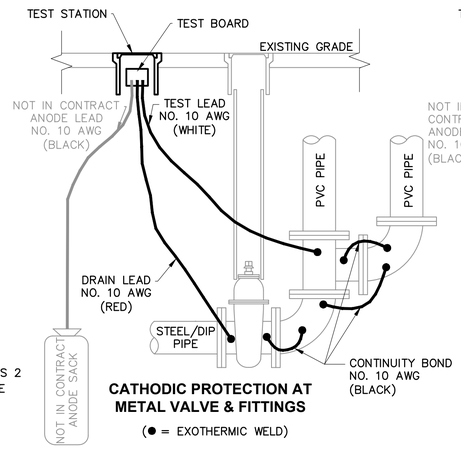
TEST BOARD DETAIL

NOTES

1. FOR GENERAL NOTES SEE CATHODIC PROTECTION NOTES, DET A.
2. TEST BOARD MAY BE:
   a. MICARTA TYPE AS SHOWN ABOVE.
   b. "BIG FINK" TYPE STATION OR ENGINEER APPROVED EQUAL.

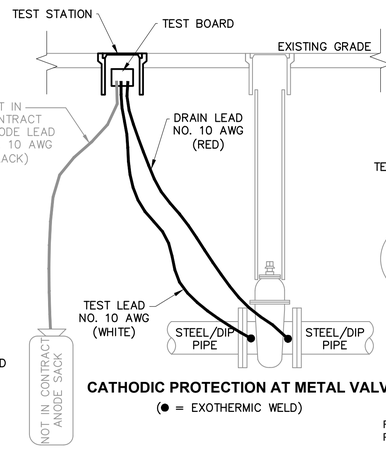
CATHODIC PROTECTION TEST STATION (B)

SCALE: NTS



CATHODIC PROTECTION AT METAL VALVE & FITTINGS

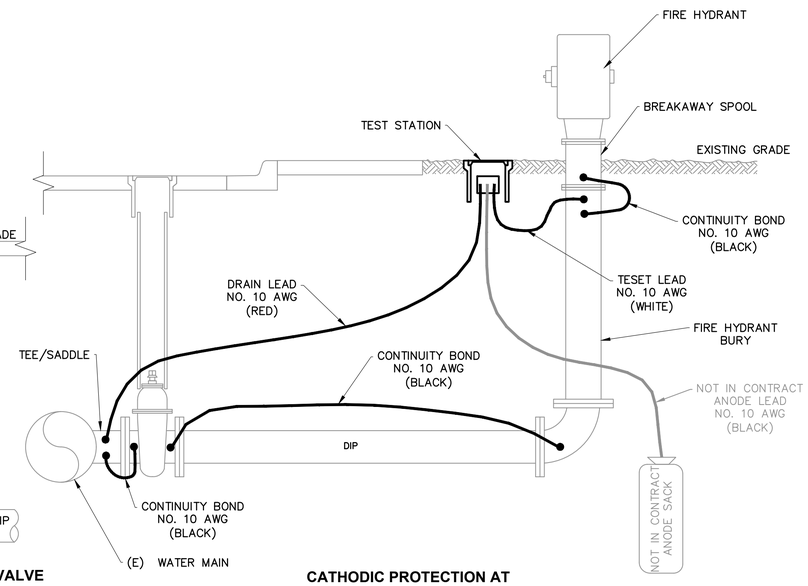
(● = EXOTHERMIC WELD)



CATHODIC PROTECTION AT METAL VALVE

(● = EXOTHERMIC WELD)

FOR GENERAL NOTES, SEE CATHODIC PROTECTION NOTES, DET A

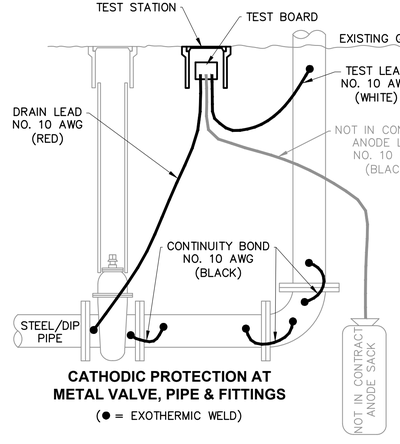


CATHODIC PROTECTION AT FIRE HYDRANT

(● = EXOTHERMIC WELD)

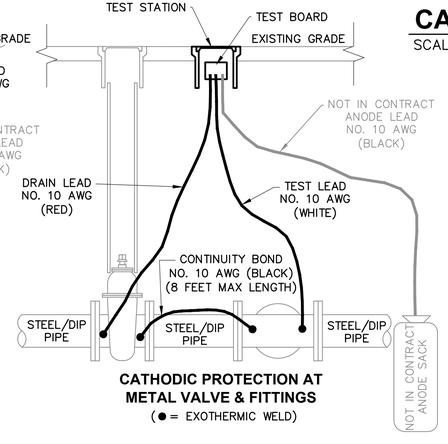
CATHODIC PROTECTION LAYOUT AT FIRE HYDRANTS (D)

SCALE: NTS



CATHODIC PROTECTION AT METAL VALVE, PIPE & FITTINGS

(● = EXOTHERMIC WELD)



CATHODIC PROTECTION AT METAL VALVE & FITTINGS

(● = EXOTHERMIC WELD)

, FOR GENERAL NOTES, SEE CATHODIC PROTECTION NOTES, DET A.

CATHODIC PROTECTION LAYOUT AT VALVES & FITTINGS (C)

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DATE 3/23/2022
DRAWN BY AGP/BF
DESIGNED BY BF
PROJ. MGR. ELJ

REV	DESCRIPTION	DATE	APVD

REVISIONS

CITY OF FOLSOM ENVIRONMENTAL AND WATER RESOURCES

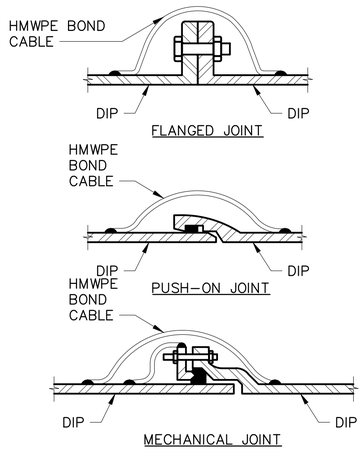
ASHLAND WATER REHABILITATION PROJECT II

CIVIL DETAILS - 6

REGISTERED PROFESSIONAL ENGINEER ERIC L. JONES C68550 CIVIL STATE OF CALIFORNIA
02/04/2022

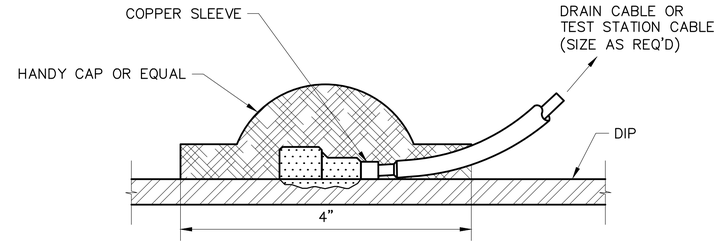
C255
DRAWING NUMBER

SHEET 26 OF 27

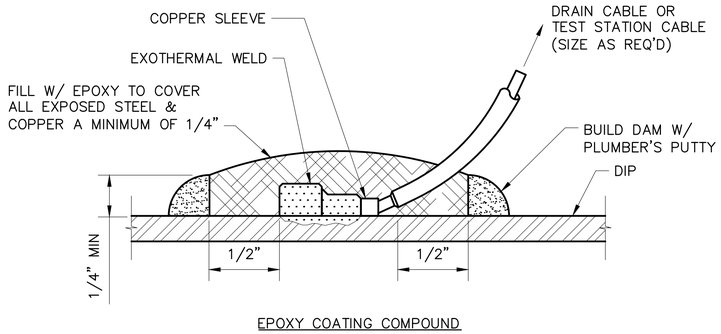


BONDING FOR DUCTILE IRON FITTINGS (A)

SCALE: NTS



HANDY CAP

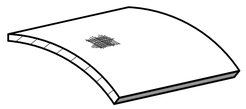


EPOXY COATING COMPOUND

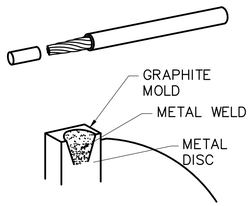
CABLE TO DIP CONNECTION (B)

SCALE: NTS

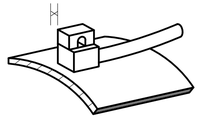
1) FILE TO BARE METAL & CLEAN OVER SURFACE



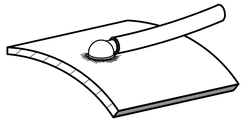
2) STRIP INSULATION FROM WIRE AND ATTACH SLEEVE

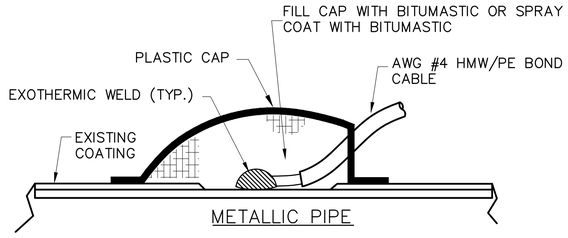


3) HOLD MOLD FIRMLY WITH OPENING AWAY FROM OPERATOR, IGNITE WITH FLINT GUN



4) REMOVE SLAG FROM CONNECTION, COVER CONNECTION WITH COMPATIBLE COATING AND CAP OVER ALL EXPOSED METAL





METALLIC PIPE

NOTES:

A. EACH JOINT SHALL HAVE TWO SEPARATE WELD WIRES. ONE CONNECTION SHOWN ON DETAILS FOR CLARITY.
B. CLEAN PIPE TO BRIGHT METAL WITH FILE OR GRINDER.
C. WELD WIRE TO PIPE FOLLOWING WELD MANUFACTURER'S DIRECTIONS.
D. EXOTHERMIC WELD ALLOY SHALL BE SUITABLE FOR TYPE OF PIPE METAL (I.E. STEEL).

EXOTHERMIC WELDS TO STEEL PIPE (C)

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CIVIL DETAILS - 7

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C68550
CIVIL
STATE OF CALIFORNIA
02/04/2022

C256
DRAWING NUMBER

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