

1. CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE MOST CURRENT VERSIONS OF THE FOLLOWING:

- EAST WENATCHEE WATER DISTRICT DEVELOPER EXTENSION AGREEMENT (when applicable).
- EAST WENATCHEE WATER DISTRICT STANDARD DETAILS. IF ANY DETAIL IS REVISED AFTER PLAN APPROVAL, THE DISTRICT WILL DETERMINE IF THE REVISION MUST BE INCORPORATED INTO THE WORK.
- EAST WENATCHEE WATER DISTRICT SERVICE POLICIES AND CONSTRUCTION STANDARDS.
- WA. STATE DEPT. OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD, BRIDGE AND MUNICIPAL CONSTRUCTION.

2. A PRECONSTRUCTION CONFERENCE IS REQUIRED PRIOR TO CONSTRUCTION AND 48 HOURS ADVANCE NOTIFICATION OF THE LOCAL MUNICIPALITY, THE EAST WENATCHEE WATER DISTRICT, AND ALL AFFECTED UTILITY COMPANIES PRIOR TO THE ACTUAL START OF WORK.

3. THE CONTRACTOR SHALL COMPLY WITH THE PROVISIONS OF THE RIGHT-OF-WAY/STREET CONSTRUCTION PERMIT AS ISSUED BY THE DOUGLAS COUNTY DEPT. OF TRANSPORTATION AND LAND SERVICES, CITY OF EAST WENATCHEE, AND/OR WA. STATE DOT FRANCHISE FOR THIS PROJECT. TRAFFIC CONTROL SHALL FOLLOW THE ROAD AGENCY'S CODES AND STANDARDS.

4. LOCATIONS OF EXISTING UTILITIES SHOWN ON THE PLANS ARE ESTIMATED UNLESS STATED OTHERWISE. THE CONTRACTOR SHALL VERIFY, LOCATE AND PROTECT ALL UTILITIES WITHIN THE PROJECT AREA. THE CONTRACTOR SHALL REPLACE OR REPAIR ANY UTILITIES DAMAGED DURING CONSTRUCTION. SHOW ALL ENCOUNTERED UTILITIES ON THE AS-BUILTS.

5. LOCATION AND EXTENT OF IRRIGATION PIPELINES WITHIN THE PROJECT LIMITS ARE UNKNOWN. CONTRACTOR SHALL CONTACT PROPERTY OWNERS ADJACENT TO THE PROJECT FOR LOCATING PRIVATE IRRIGATION SYSTEMS. CONTRACTOR IS RESPONSIBLE FOR LOCATING, REPLACING, OR REPAIRING IRRIGATION SYSTEMS DAMAGED DURING CONSTRUCTION. REPAIR IRRIGATION SYSTEMS WITH PRODUCTS OF NO LESSER QUALITY THAN SCH 40 PVC. SHOW IRRIGATION ON THE AS-BUILTS.

6. ALL EXCAVATION SHALL BE BACKFILLED AND COMPACTED IN ACCORDANCE WITH THE STANDARD DETAILS AND SECTIONS 7.9.3(10) AND 7.9.3(11) OF THE STANDARD SPECIFICATIONS. COMPACTION TESTING IS REQUIRED DURING BACKFILLING OPERATIONS AT THE DISCRETION OF THE WATER DISTRICT. IF TRENCH BACKFILL DOES NOT MEET COMPACTATION REQUIREMENTS, CONTRACTOR SHALL EXCAVATE, RECOMPACT, AND RETEST MATERIAL AT CONTRACTOR'S EXPENSE.

7. RESTORATION OF DAMAGED ROAD SURFACING SHALL BE IN ACCORDANCE WITH THE LOCAL MUNICIPALITY'S REQUIREMENTS. ALL OTHER AREAS SHALL BE RESTORED TO ORIGINAL CONDITION OR AS DIRECTED BY THE DISTRICT. THIS INCLUDES SHOULDERS, LANDSCAPING, WALLS, FENCES AND OTHER IMPROVEMENTS.

8. ALL WATER SERVICES, FIRE HYDRANTS, AND THRUST BLOCKING SHALL BE INSPECTED BY THE DISTRICT BEFORE BURY.

9. PROVIDE A SANITARY GAP BETWEEN THE EXISTING AND NEW WATER SYSTEMS. CONNECTION TO THE EXISTING WATER SYSTEM SHALL BE PERFORMED BY THE CONTRACTOR ONLY AFTER COMPLETING AN ACCEPTABLE PRESSURE TEST AND THE PIPELINE IS DISINFECTED, FLUSHED, AND RECEIPT OF ACCEPTABLE WATER QUALITY TEST RESULTS FROM THE HEALTH DISTRICT OR LAB. SEE DETAIL W-09.

10. PERFORM PRESSURE TEST AT 250psi. THE DISTRICT INSPECTOR HAS DISCRETION TO MODIFY THE TESTING REQUIREMENTS.

- PRESSURE WASHERS ARE NOT ALLOWED FOR PRESSURE TESTING. DISTRICT HAS THE RIGHT TO REJECT ANY PUMP SYSTEM THAT IN THE DISTRICT'S SOLE OPINION MAY BE UNSAFE OR UNSATISFACTORY.
- PRESSURE TEST INCLUDES MAINLINE, HYDRANTS, SERVICE LINES, SETTERS, AND CUSTOMER SERVICE SIDE TAILPIPE.
- TEST MAINLINE IN SECTIONS OF NO MORE THAN 1,500 FEET. PRESSURE DROP SHALL NOT EXCEED 5 psi IN 120 MINUTES.
- ASSEMBLE AND TEST TEST CLUSTERS OUTSIDE OF THE TRENCH PRIOR TO INSTALLATION.
- TEST GAUGE RANGE SHALL NOT EXCEED 160% OF TEST PRESSURE (400 psi MAX FOR 250 psi TEST).

11. AN INFLATABLE PIPE PLUG SHALL BE USED ON EACH JOINT DURING INSTALLATION TO PROTECT AGAINST SOIL INTRUSION AND FLOODING OF THE PIPE. OPEN ENDS OF VALVES SHALL BE PLUGGED OR BAGGED UNTIL EXTENDED WITH PIPE.

12. CONTRACTOR SHALL POthOLE A SUFFICIENT DISTANCE AHEAD OF PIPELAYING TO VERIFY DEPTH OF EXISTING WATER MAINS AND CROSSING UTILITIES AND TO ANTICIPATE ANY NECESSARY CHANGES IN FITTINGS OR ALIGNMENT.

13. AN AS-BUILT RECORD MUST BE SUBMITTED TO THE DISTRICT BEFORE WATER SERVICE WILL BE PROVIDED.

14. DEFLECTION AT PIPE AND FITTING JOINTS WILL BE ALLOWED UP TO 3.0" PER JOINT OR AS RECOMMENDED BY MANUFACTURER, WHICHEVER IS LESS. 3.0" IS 11" PER 18" PIPE STICK, WHICH IS 350' RADIUS.

15. CONTRACTOR SHALL ONLY DISPOSE OF WASTE MATERIAL AT SITES APPROVED BY DOUGLAS COUNTY TRANSPORTATION AND LAND SERVICES. STOCKPILE MATERIALS ONLY ON DISTRICT APPROVED SITES.

16. CONTRACTORS WORKING WITHIN RIGHT OF WAY OR ON EXISTING DISTRICT INFRASTRUCTURE SHALL BE LICENSED, BONDED, AND HAVE EXPERIENCE INSTALLING PUBLIC DOMESTIC WATER SYSTEMS. BE PREPARED TO PRESENT EXAMPLES OF 5 SUCH PROJECTS UPON REQUEST.

17. CONTRACTOR TO PROVIDE NO LESS THAN 48 HOURS NOR MORE THAN 72 HOURS NOTICE TO THE DISTRICT PRIOR TO ANY REQUESTED SHUTDOWN OR CUSTOMER OUTAGE. DISTRICT WILL PROVIDE NOTICE TO CUSTOMERS 24 HOURS IN ADVANCE OF OUTAGE. NO OUTAGES ARE ALLOWED ON MONDAYS OR FRIDAYS.

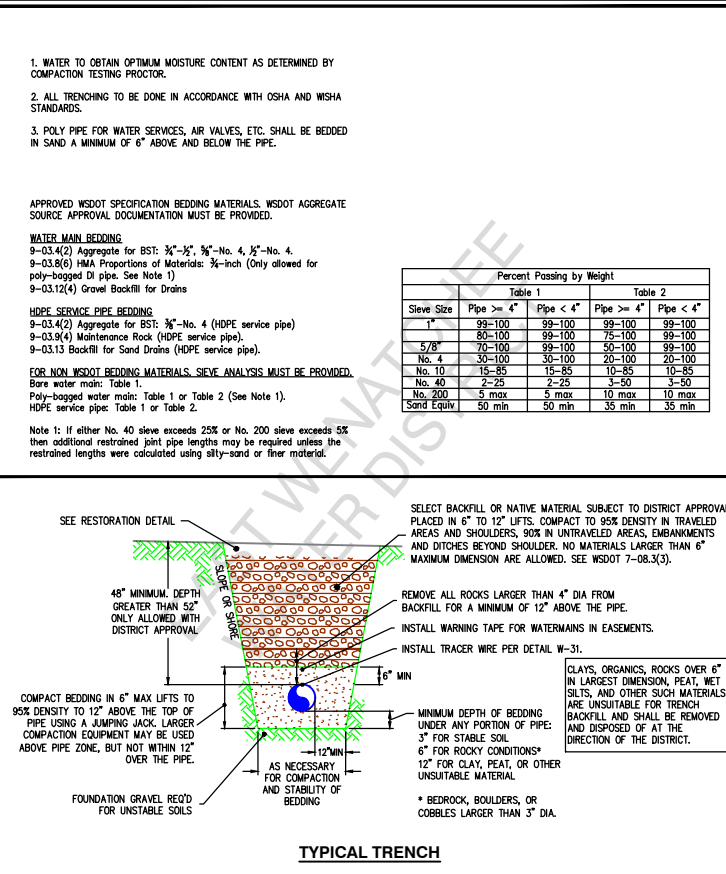
18. CONTRACTOR SHALL MAINTAIN AND RETURN ANY TEMPORARY EQUIPMENT PROVIDED BY THE DISTRICT. CONTRACTOR SHALL REIMBURSE THE DISTRICT FOR ANY DAMAGE OR LOSS OF EQUIPMENT.

19. STAKE LOCATIONS OF WATERMAIN, BENDS, TEES, HYDRANTS, AND VALVES PRIOR TO EXCAVATION. AT THE DISTRICT'S DISCRETION, THE CONTRACTOR MAY PROVIDE A GPS ROVER WITH LOCATIONS PRE-LOADED.

20. NO WORK THAT REQUIRES INSPECTION, OVERSIGHT, OR INPUT FROM THE DISTRICT, THE DISTRICT'S INSPECTOR OR ENGINEER WILL BE ALLOWED ON FRIDAYS, SATURDAYS, SUNDAYS, OR ON DISTRICT RECOGNIZED HOLIDAYS NOR THE PRECEDING DAY.

**MATERIALS REQUIREMENTS**

- ALL PIPE, VALVES, AND FITTINGS MUST BE RATED FOR NO LESS THAN 175 PSI WORKING PRESSURE AND 250 PSI TEST PRESSURE UNLESS STATED OTHERWISE.
- METAL PRODUCTS & METAL ACCESSORIES (e.g. MJ T-BOLTS KITS, GLANDS, ETC) SHALL BE OF DOMESTIC FABRICATION & CONSTRUCTION. THIS REQUIREMENT EXCLUDES: TEMPORARY MATERIALS NOT PART OF THE PERMANENT FACILITY, FLANGE BOLT KITS, VALVE BOXES, & CASING PIPES. THIS REQUIREMENT MAY BE SUPERCEDED BY CONTRACT REQUIREMENTS FOR STATE OR FEDERALLY FUNDED PROJECTS.
- ALL PIPE 3" AND LARGER SHALL BE DUCTILE IRON WITH A WALL THICKNESS NO LESS THAN CLASS 50 EXCEPT WHERE TRENCH BACKFILL OR LOADING DICTATE A STRONGER PIPE. USE CLASS 52 FOR HYDRANT RUNS AND WHERE PRESSURE EXCEEDS 150 PSI.
- HDPE SERVICE PIPE SHALL BE 250 psi RATED (DR9) CTS (Copper Tube Size), ONLY FOR "QUICK-JOINT", MUELLER "110 CONDUCTIVE COMPRESSION", OR EQUAL FITTINGS ALLOWED FOR HDPE OR COPPER PIPE CONNECTIONS, NO PACK JOINTS.
- ONLY FORD, MCDONALD, & MUELLER PRODUCTS ARE APPROVED FOR SERVICE BRASS, UNLESS OTHERWISE NOTED IN THESE DETAILS.
- METER VAULT LID NOTE: FOR ALL TAPER-TOP STYLE VAULTS FOR WATER SERVICES, AIR VALVES, PERMANENT BLOW-OFFS, AND OTHER PURPOSES, CONTRACTOR TO PURCHASE LID AND FRAME EQUAL TO EAST JORDAN IRONWORKS' EAST WENATCHEE WATER DISTRICT SPECIFICATION, FRAME IJD 36202/3620C FOR NON-TRAFFIC AREAS, AND 36192/3619C FOR DRIVEWAYS AND TRAFFIC AREAS.
- ANCHOR FRAME TO VAULT USING NON-SHRINK GROUT, FRAME AND LID TO BE RATED FOR TRAFFIC LOADING IN TRAFFIC AREAS.
- WATER SERVICE VAULT LIDS TO INCLUDE ONE 2-3/16" DIAMETER HOLE WITH 4-1/4" DIAMETER X 9/16" DEEP RECESS FOR RADIO.
- FOR AIR VALVES AND BLOW-OFFS, DO NOT DRILL HOLE IN LIDS, NOR PROVIDE "METER" TEXT ON FRAME.
- LID SURFACE TO HAVE A STATIC COEFFICIENT OF FRICTION NO LESS THAN 0.60 AS DETERMINED BY ASTM C-1028.
- FLANGE GASKETS: MINIMUM 1/8" THICK, AND RATED FOR EITHER THE TEST PRESSURE OR 150% OF WORKING PRESSURE, WHICHEVER IS GREATER. BOTH RING TYP AND FULL FACE ARE ALLOWED. DO NOT USE FULL FACE GASKETS ON RAISED SEAT FLANGES. GASKETS MAY NOT BE REUSED ONCE ASSEMBLED.
- FLANGE BOLTS ASTM A307 GRADE A OR B. ALL BOLTS, NUTS AND WASHERS TO BE ZINC PLATED STEEL OR COR-TEN MATERIALS.
- BURIED VALVES 2" AND SMALLER TO BE CURB STOP OR COP STOP PER DETAILS, OR STYLE AT THE DISCRETION OF THE DISTRICT.
  - COP STOP: MUELLER 300 BALL CORP (B-25028N), FORD FB1100-Q-NL, OR APPROVED EQUAL.
  - CURB STOP: MUELLER 300 BALL CURB (B-25122N), FORD B41-Q-NL, OR APPROVED EQUAL.
- 3" BURIED VALVES ONLY ALLOWED WITH DISTRICT APPROVAL. IF ALLOWED, THE DISTRICT WILL DETERMINE THE TYPE OF VALVE.
- ALL CONCRETE VAULTS AND CHAMBERS MUST BE PRECAST. CAST-IN-PLACE ARE NOT ALLOWED.
- TAPPING TEES: FUSION BONDED EPOXY LINED AND COATED STEEL WITH 1/4" MIN. WALL THICKNESS OUTLET BRANCH, OR STAINLESS STEEL WITH FULL PERIMETER CONTINUOUS INTERNAL RUBBER LINER. WORKING PRESSURE RATING OF 200 PSI, OR 50 PSI ABOVE SYSTEM PRESSURE, WHICHEVER IS HIGHER. 1/2" MIN. THREADED TEST PLUG IN BRANCH. 2-PIECE STYLE FOR 6" AND LARGER MAINS. ROMAC FTS420, SST-11, OR APPROVED EQUAL.
- BURIED MARKING TAPE SHALL BE NON-METALLIC WHEN A LOCATE WIRE IS PRESENT, OR METALLIC WHEN THERE IS NO LOCATE WIRE.



**CONSTRAINTS**

- SOIL CONDITIONS AND BEARING CHARACTERISTICS ARE TO BE DETERMINED BY THE DISTRICT.
- THIS STANDARD DETAIL IS FOR HORIZONTAL THRUST RESTRAINT ONLY.
- CONCRETE BLOCKING SHALL BE PER DOT/APWA SPECIFICATION 7-09.3(21), CURRENT EDITION.
- MAINTAIN 18" MINIMUM GROUND COVER OVER THE TOP OF ALL CONCRETE BLOCKING.
- ALL THRUST BLOCKS TO BE FORMED AND FITTINGS COVERED IN PLASTIC.
- ANY TEMPORARY BLOCKING USED TO SUPPORT FITTINGS DURING CONSTRUCTION SHALL BE REMOVED PRIOR TO BACKFILLING.

**PROCEDURE**

- DETERMINE BEARING FACTOR IN TABLE 1 CORRESPONDING TO APPROPRIATE PIPE SIZE AND TYPE OF FITTING.
- MULTIPLY THE BEARING FACTOR DETERMINED IN TABLE 1 BY THE MULTIPLICATION FACTOR IN TABLE 2 FOR THE APPROPRIATE SOIL CLASSIFICATION.
- THE RESULT IS THE REQUIRED AREA OF CONCRETE (IN SQ. FT.) WHICH MUST BEAR AGAINST UNDISTURBED SOIL.
- USING TABLE 3 LOCATE THE MINIMUM DEPTH OF CONCRETE (Dmin) CORRESPONDING TO THE REQUIRED BEARING AREA.
- USING Dmin, THE HEIGHT AND LENGTH OF THE THRUST BLOCKING CAN BE DETERMINED FROM THE DIMENSION RELATIONSHIPS ILLUSTRATED IN FIGURE 1 AND DESCRIBED BELOW:

A. "H" EQUALS "D"  
 B. MAX. "L" EQUALS 2 x "H"  
 C. MIN. "L" EQUALS "H"

**TABLE 1 - BEARING FACTOR**

TEST PRESSURE (PSI)	TEST ENDOS	90° BEND	45° BEND	22½° BEND	11¼° BEND
3	300	2.3*	2.6	2.3*	2.3*
4	300	2.3*	3.0	2.3*	2.3*
6	300	5.6	7.0	4.3	2.3*
8	300	9.6	13.6	7.4	3.8
10	300	14.5	20.5	11.1	5.7
12	300	20.5	29.0	15.7	8.0
14	300	27.5	39.0	21.1	10.8
16	300	35.7	50.4	27.3	13.9
18	300	44.8	63.4	34.3	17.5
20	300	55.0	77.7	42.1	21.4
24	300	78.4	111.0	60.0	30.6

\* 2.3 BASED ON GEOMETRIC FACTORS

**TABLE 2 - MULTIPLICATION FACTOR**

SOIL CONDITION	MULTIPLICATION FACTOR
MUCK, PEAT, etc.	-
SOFT CLAY	2.0
SILT	1.3
SAND OR SANDY SILT	1.0
SAND AND GRAVEL	0.7
SAND AND GRAVEL CEMENTED W/ CLAY	0.5
HARD SHALE	0.2

**TABLE 3 - BLOCK SHAPE**

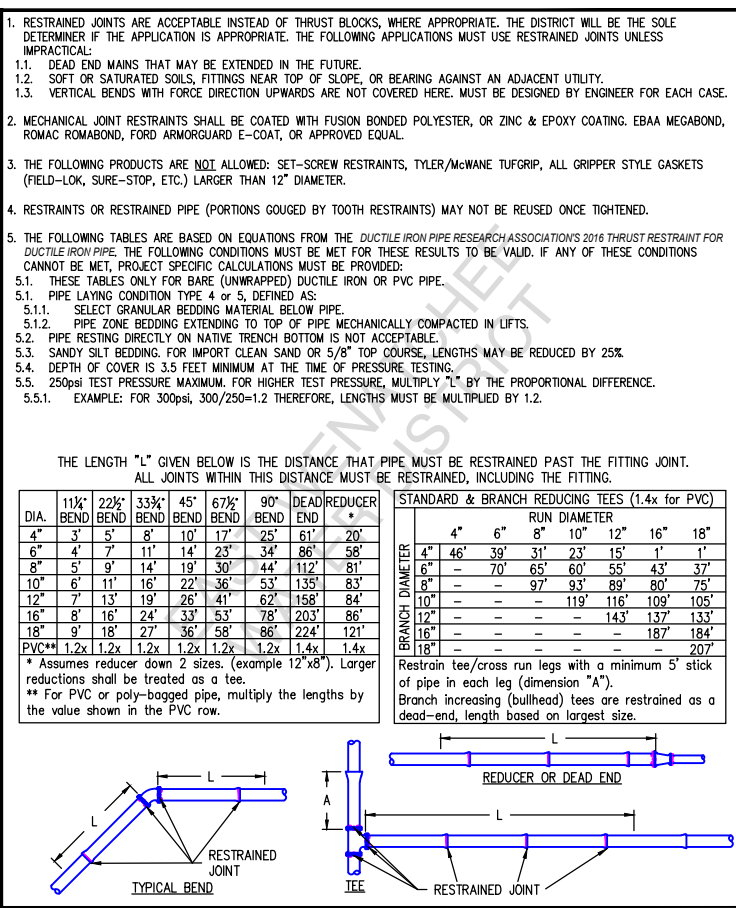
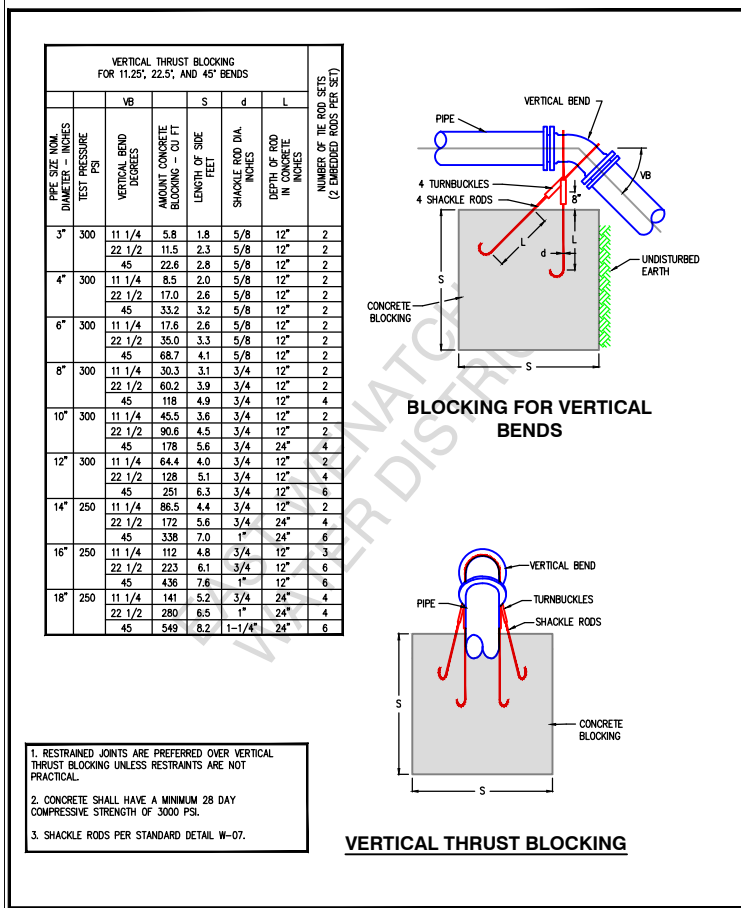
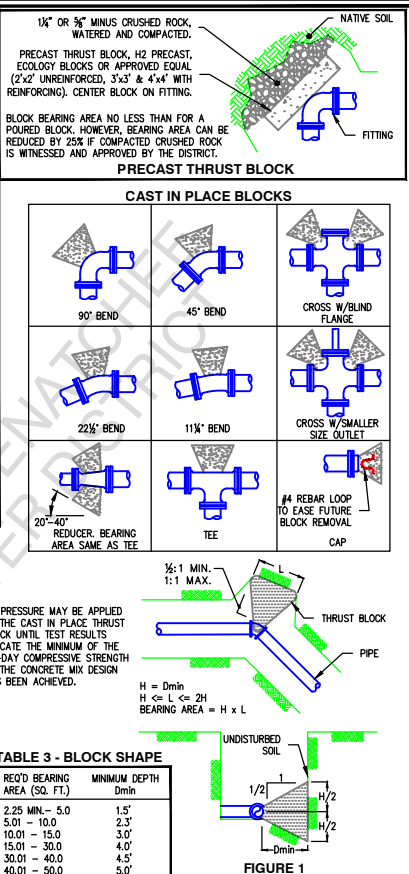
REQ'D BEARING AREA (SQ. FT.)	MINIMUM DEPTH (Dmin)
2.25 MIN - 5.0	1.5'
5.01 - 10.0	2.3'
10.01 - 15.0	3.0'
15.01 - 30.0	4.0'
30.01 - 40.0	4.5'
40.01 - 50.0	5.0'
50.01 - 70.0	6.0'

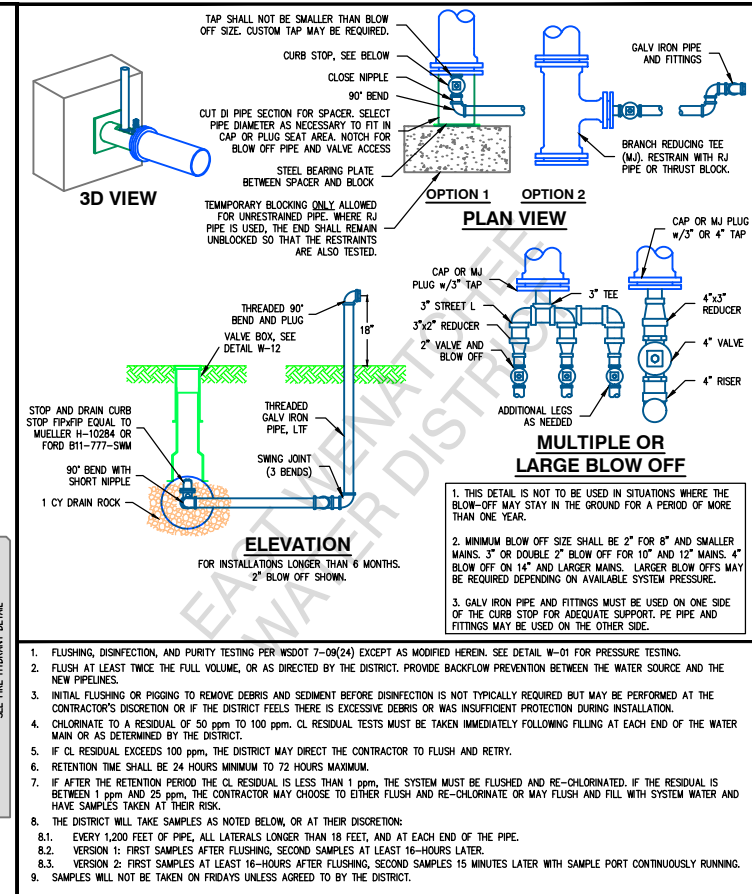
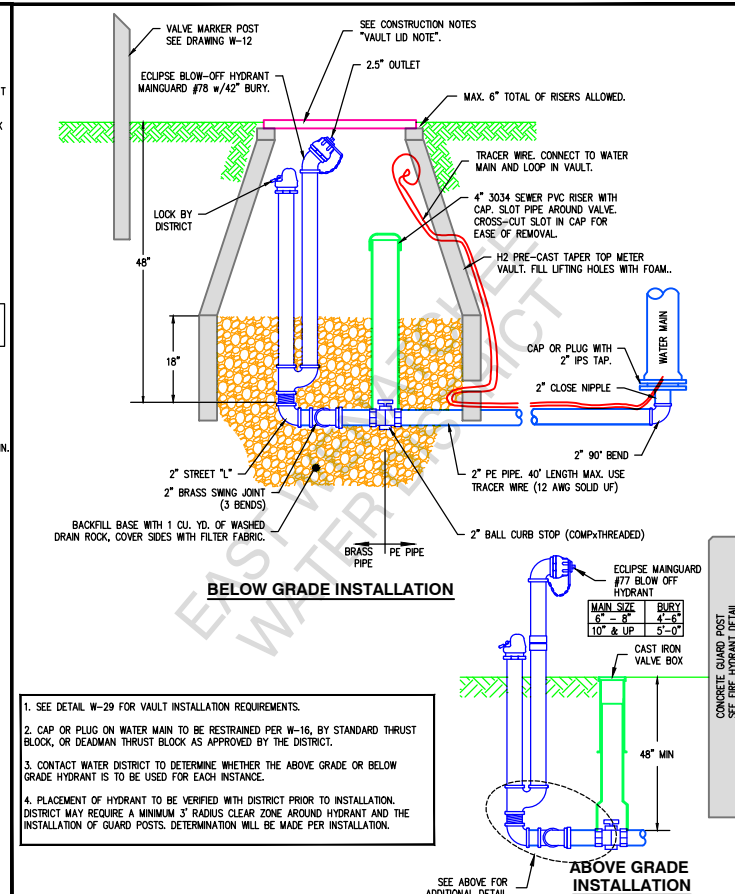
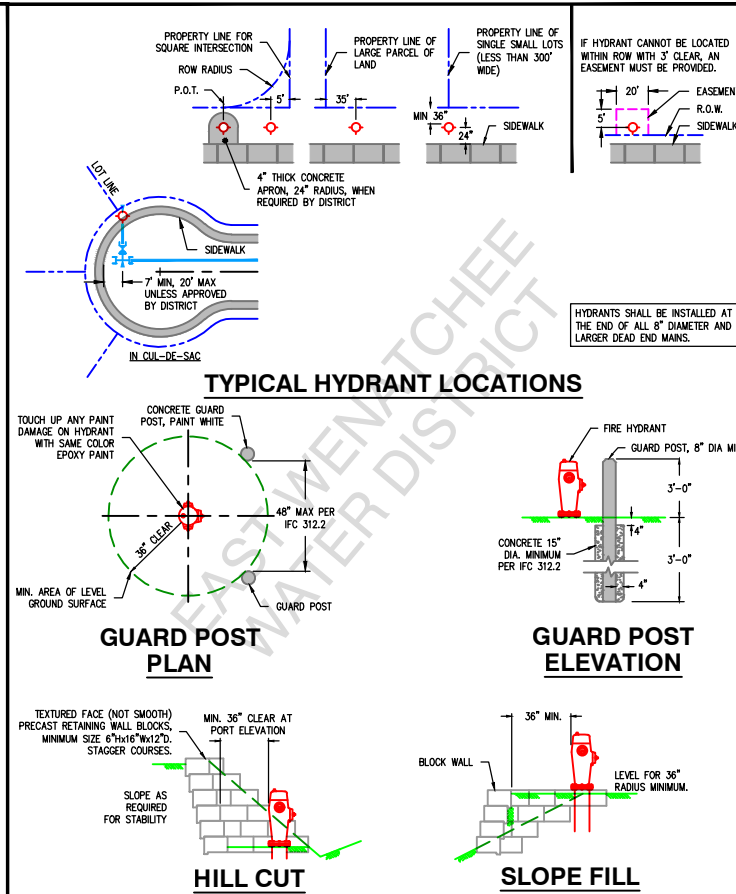
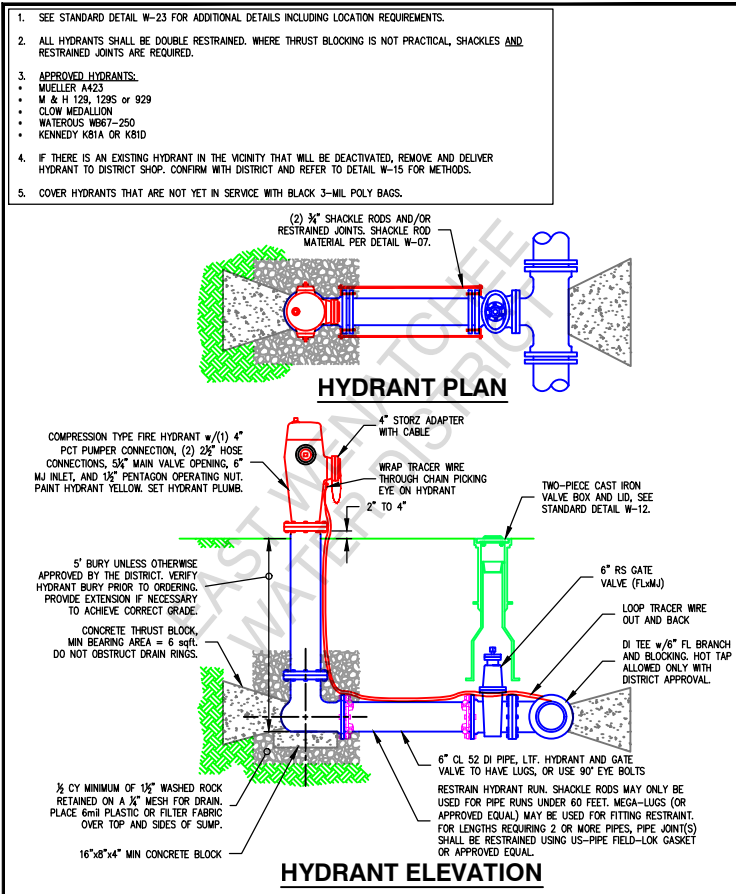
NO PRESSURE MAY BE APPLIED TO THE CAST IN PLACE THRUST BLOCK UNTIL TEST RESULTS INDICATE THE MINIMUM OF THE 28-DAY COMPRESSIVE STRENGTH OF THE CONCRETE MIX DESIGN HAS BEEN ACHIEVED.

H = Dmin  
 L <= L <= 2H  
 BEARING AREA = H x L

FIGURE 1

\* RESTRAINT SHALL BE DESIGNED BY ENGINEER





**East Wenatchee Water District**  
WATER SYSTEM STANDARD DETAIL

FILENAME: EMDTW15  
REVISED: OCT 7, 2025

DRAWING No. W-02  
SHEET No. 9

**East Wenatchee Water District**  
WATER SYSTEM STANDARD DETAIL

FILENAME: EMDTW8  
REVISED: FEB 10, 2023

DRAWING No. W-23  
SHEET No. 10

**East Wenatchee Water District**  
WATER SYSTEM STANDARD DETAIL

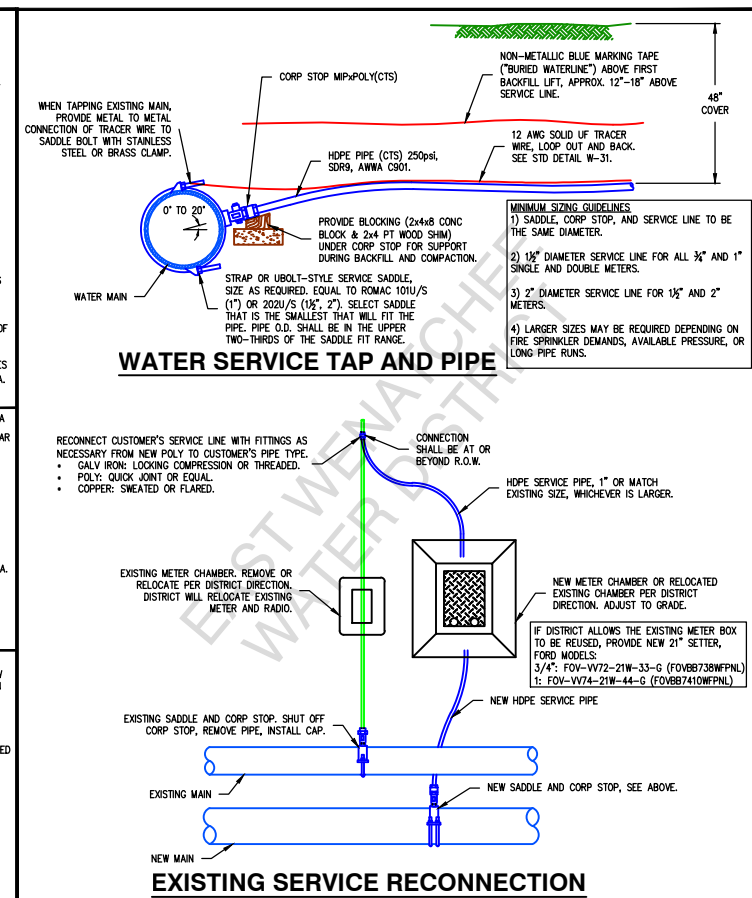
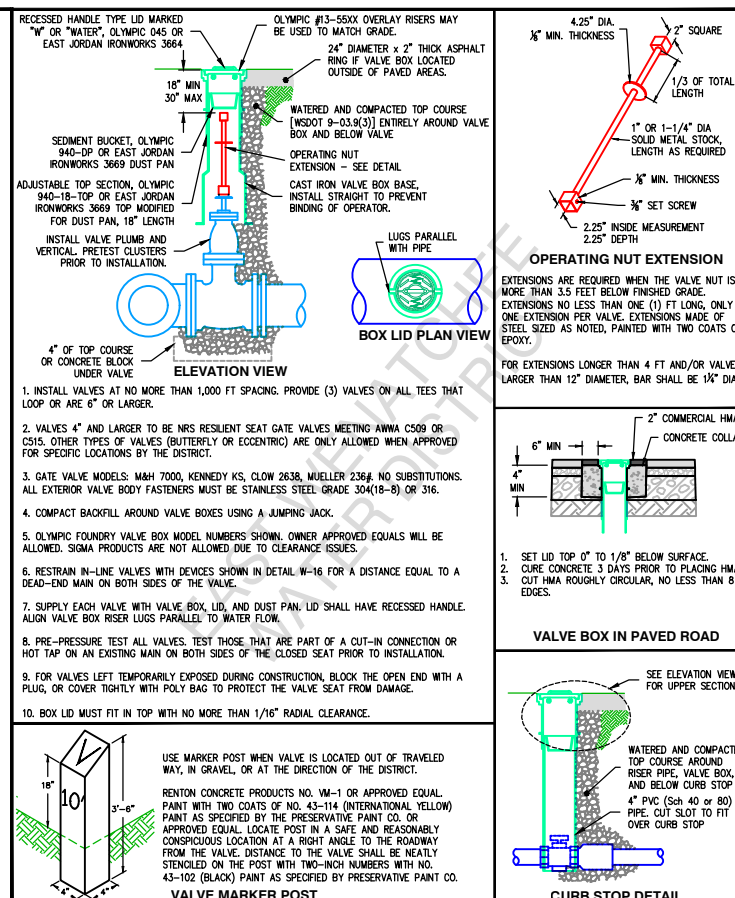
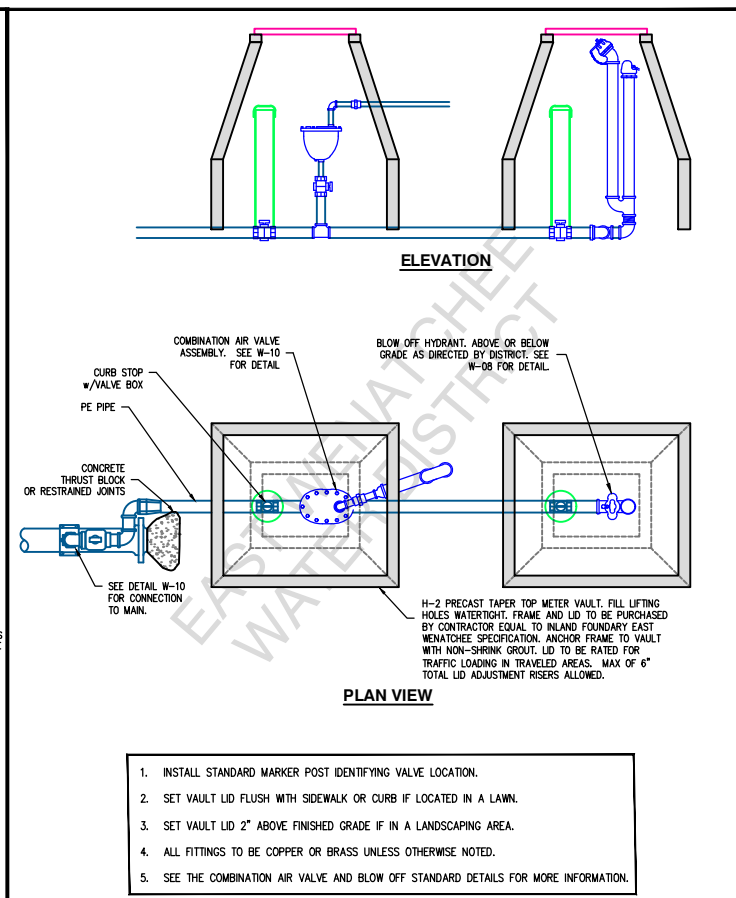
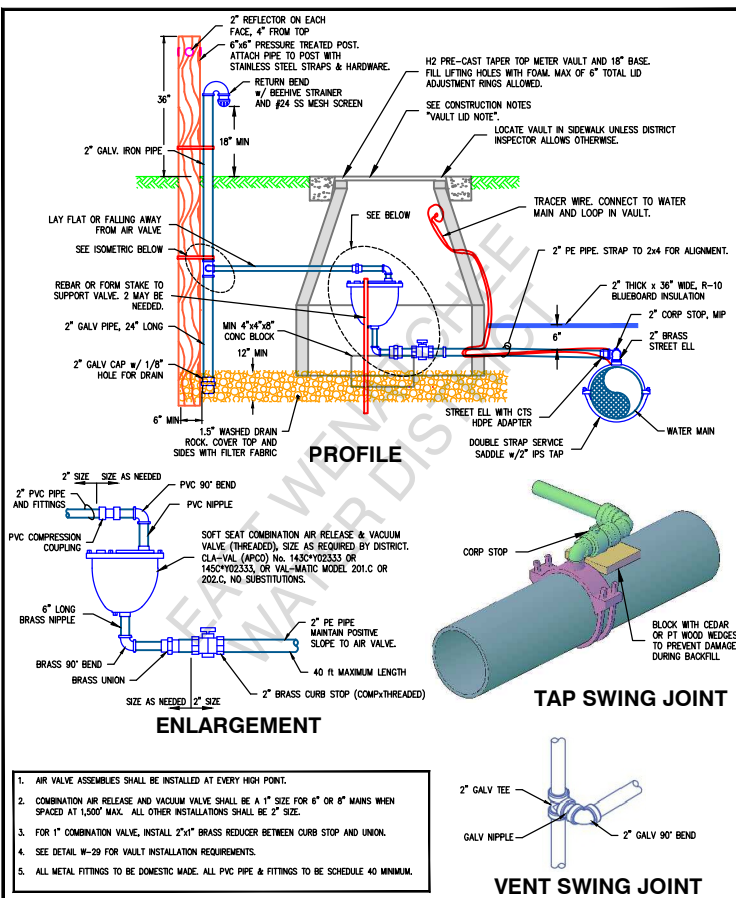
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REVISED: FEB 10, 2023

DRAWING No. W-08  
SHEET No. 11

**East Wenatchee Water District**  
WATER SYSTEM STANDARD DETAIL

FILENAME: EMDTW11  
REVISED: OCT 7, 2025

DRAWING No. W-09  
SHEET No. 12



**East Wenatchee Water District**  
WATER SYSTEM STANDARD DETAIL

FILENAME: EMDTW2  
REVISED: MAR 30, 2023

DRAWING No. W-10  
SHEET No. 13

**East Wenatchee Water District**  
WATER SYSTEM STANDARD DETAIL

FILENAME: EMDTW7  
REVISED: JUL 18, 2008

DRAWING No. W-11  
SHEET No. 14

**East Wenatchee Water District**  
WATER SYSTEM STANDARD DETAIL

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REVISED: JUN 25, 2024

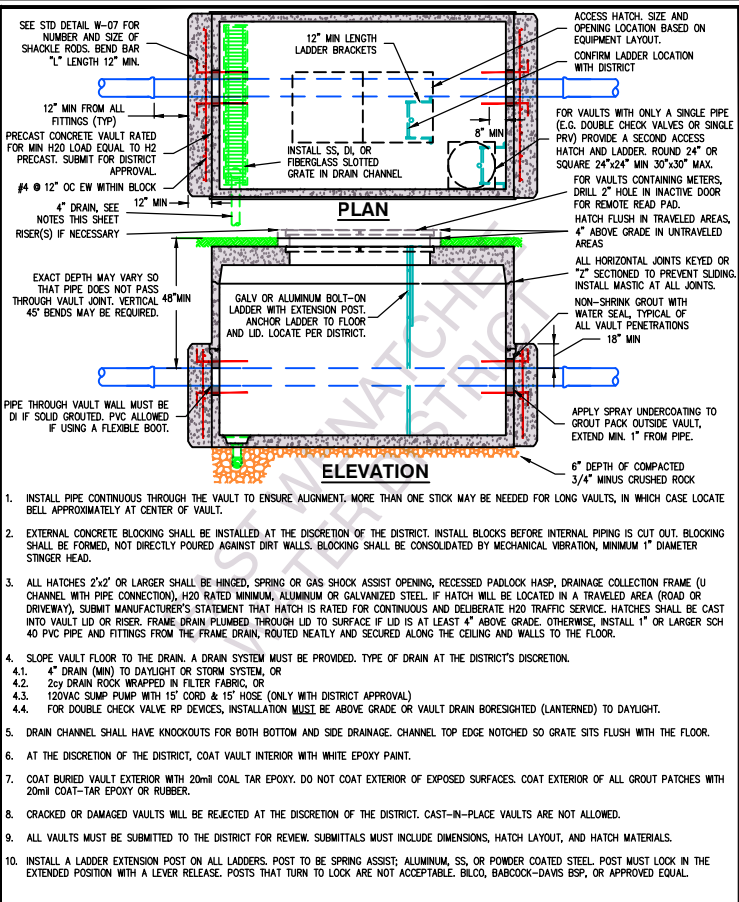
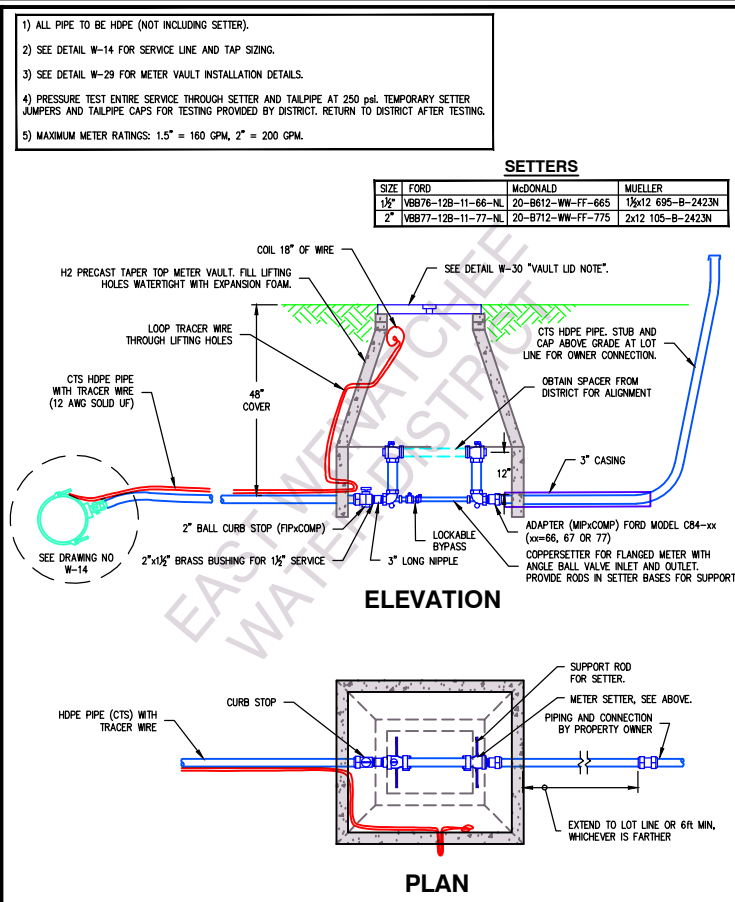
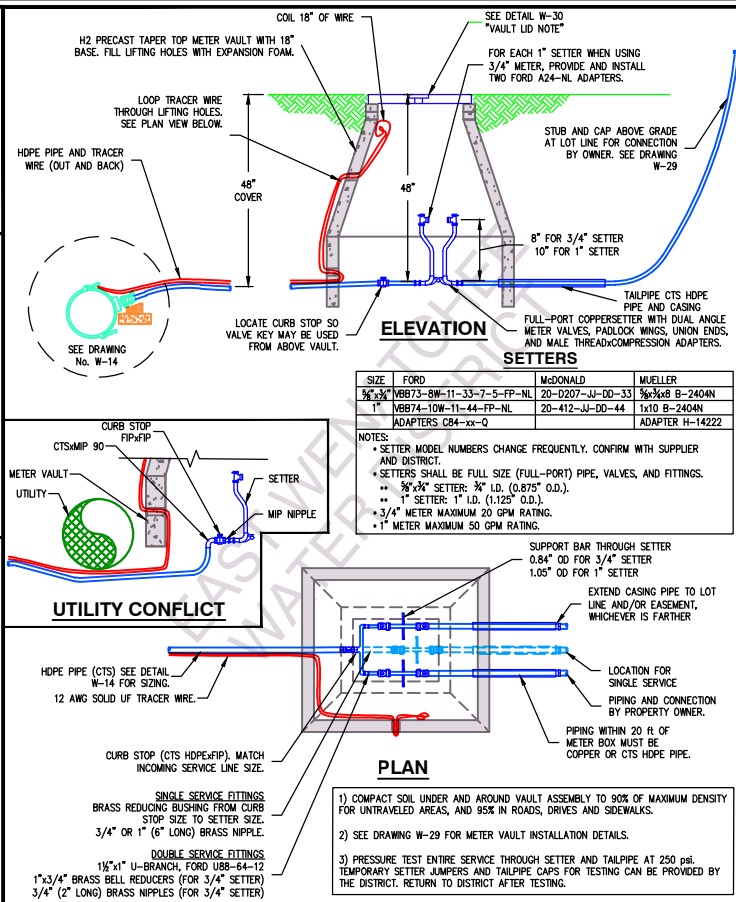
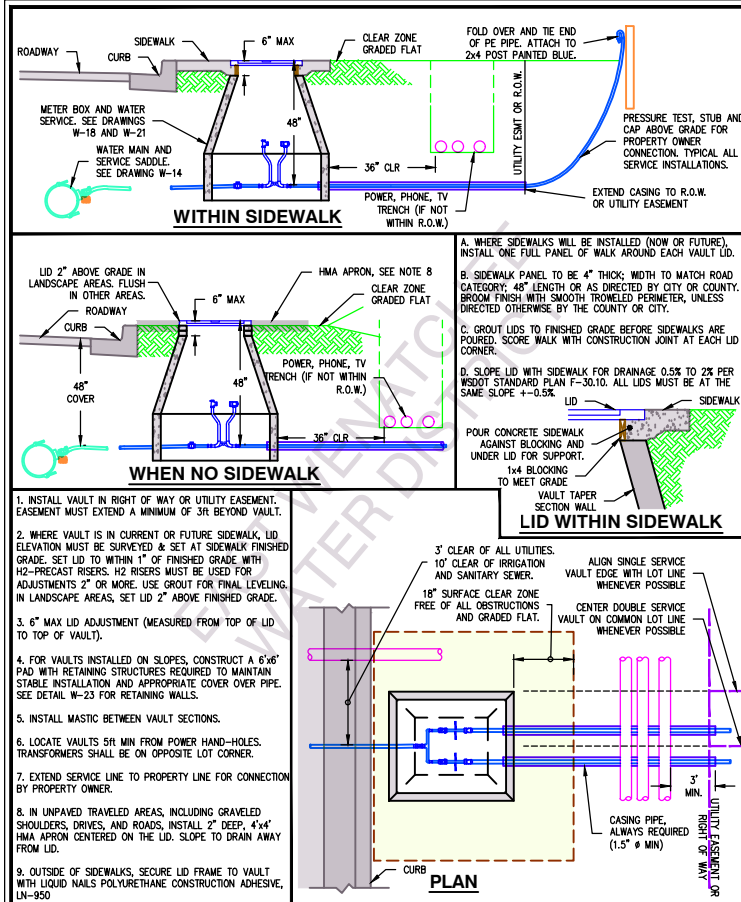
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SHEET No. 15

**East Wenatchee Water District**  
WATER SYSTEM STANDARD DETAIL

FILENAME: EMDTW14  
REVISED: MAR 30, 2023

DRAWING No. W-14  
SHEET No. 16



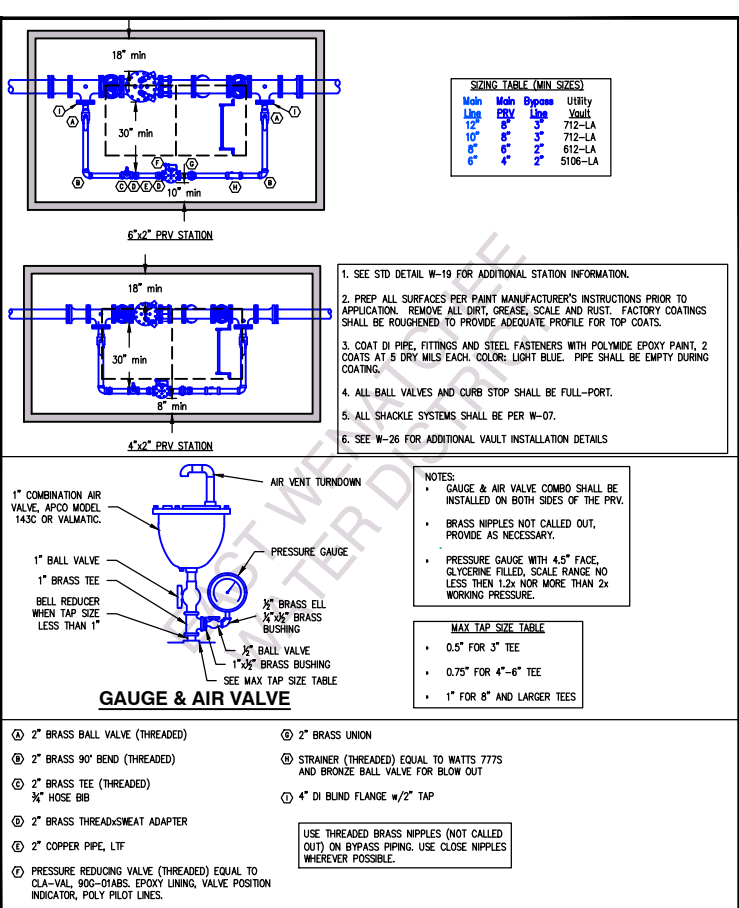
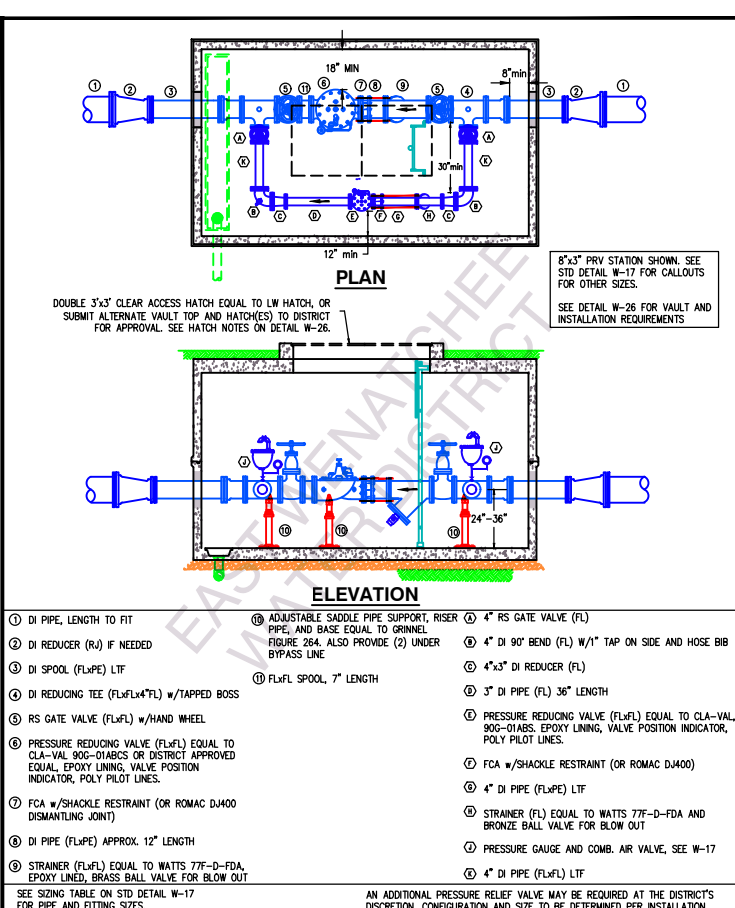
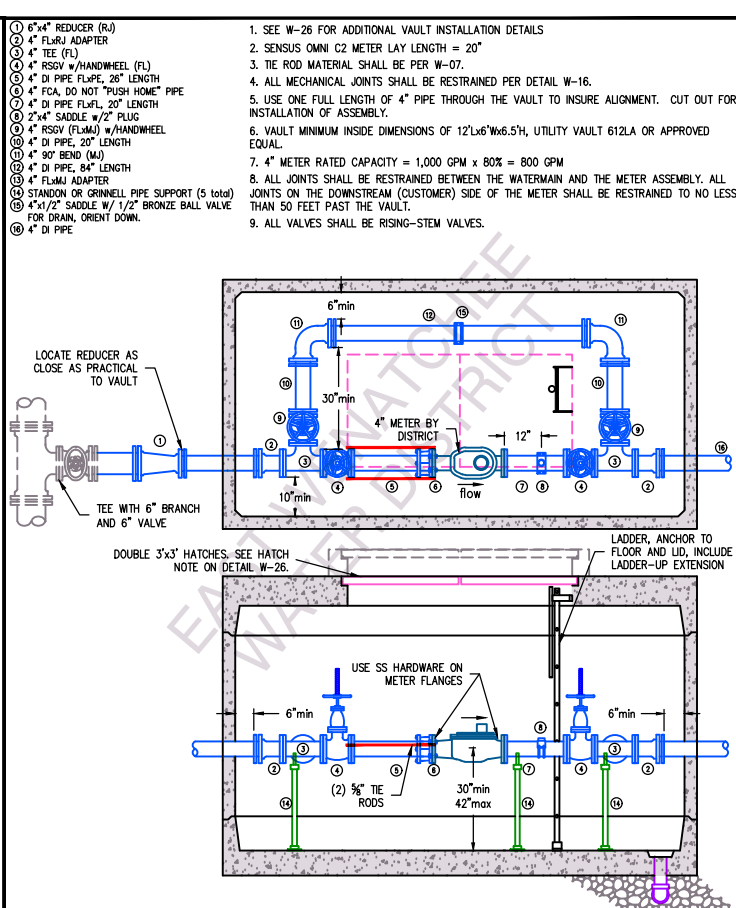
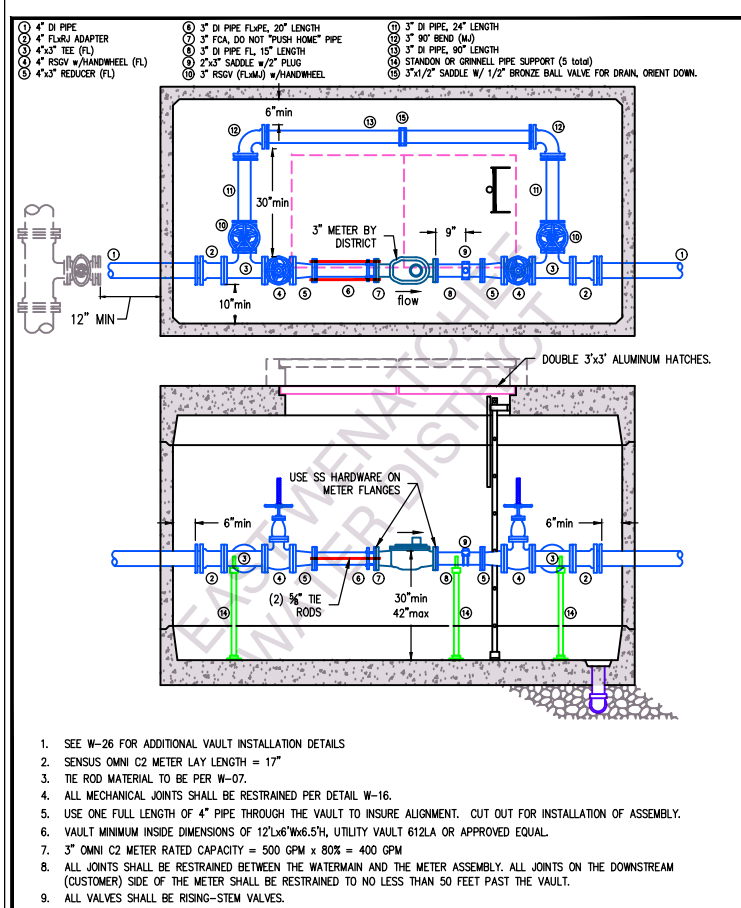


**East Wenatchee Water District**  
WATER SERVICE, AIR VALVE, BLOW OFF VAULT INSTALLATION DETAILS  
DRAWING NO. W-29  
REVISED: DEC 21, 2021  
SHEET NO. 17

**East Wenatchee Water District**  
3/4" AND 1" SINGLE AND DOUBLE WATER SERVICES  
DRAWING NO. W-21  
REVISED: FEB 10, 2023  
SHEET NO. 18

**East Wenatchee Water District**  
1/2" AND 2" WATER SERVICE  
DRAWING NO. W-19  
REVISED: JUL 21, 2025  
SHEET NO. 19

**East Wenatchee Water District**  
LARGE VAULTS  
DRAWING NO. W-26  
REVISED: MAR 20, 2025  
SHEET NO. 20



**East Wenatchee Water District**  
WATER SERVICE STANDARD DETAIL  
DRAWING NO. W-20  
REVISED: MAR 30, 2023  
SHEET NO. 21

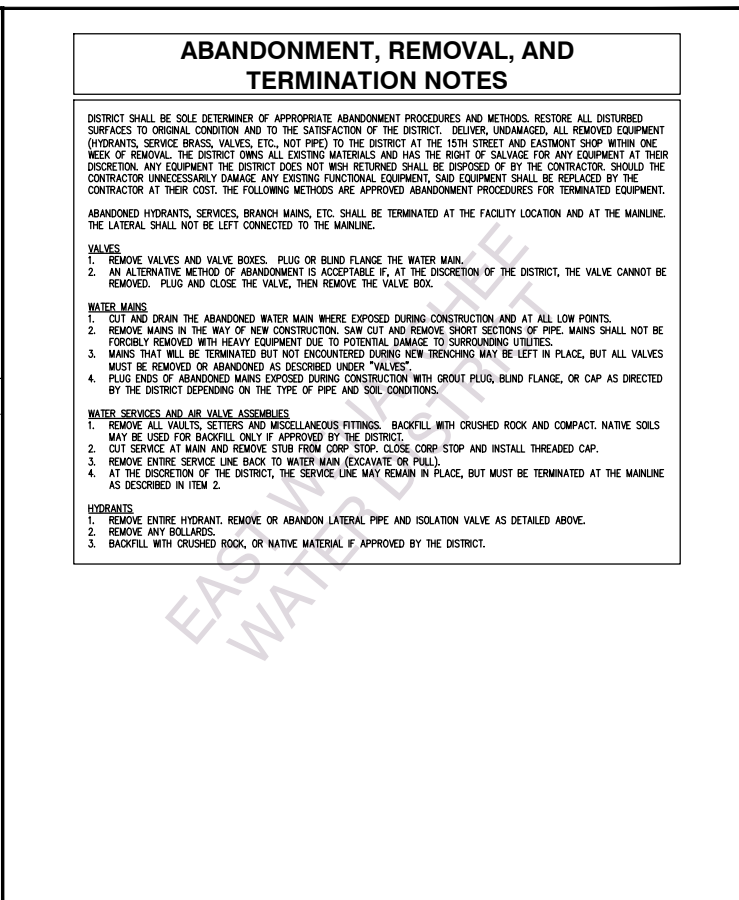
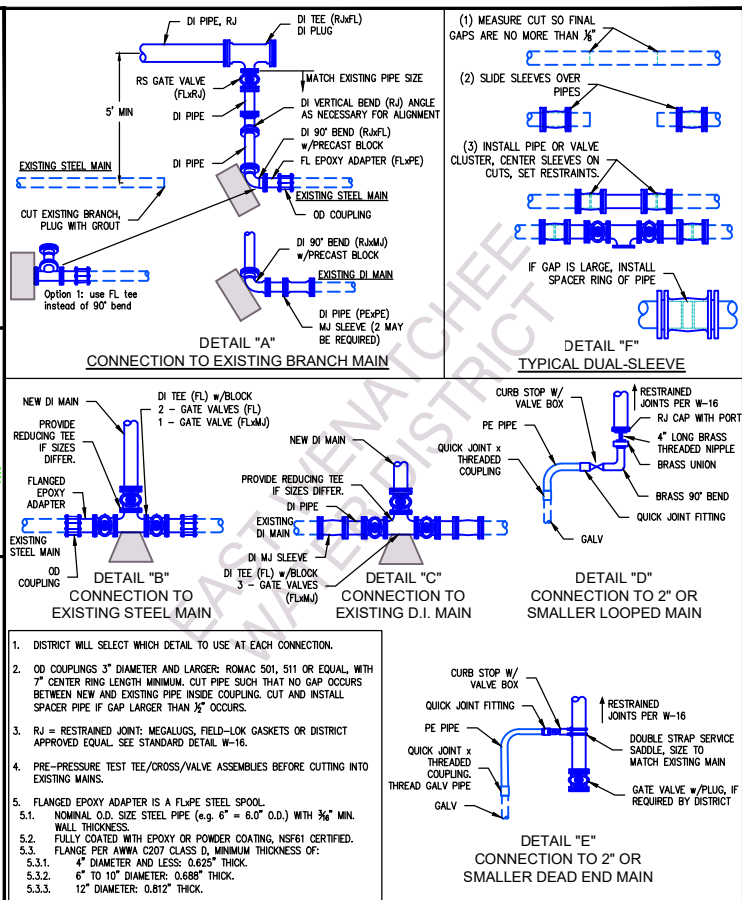
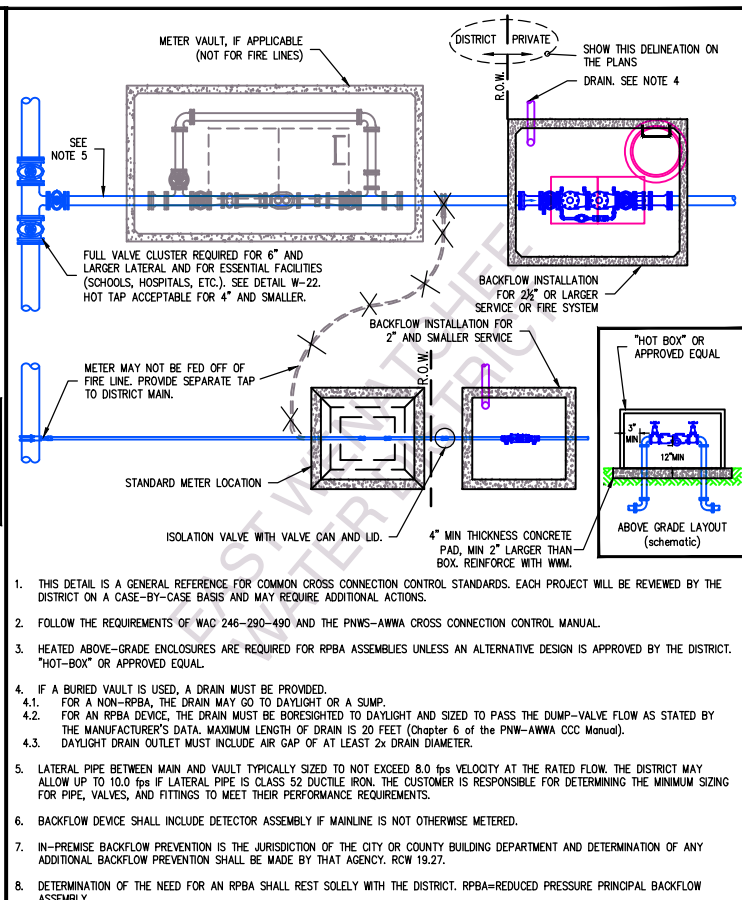
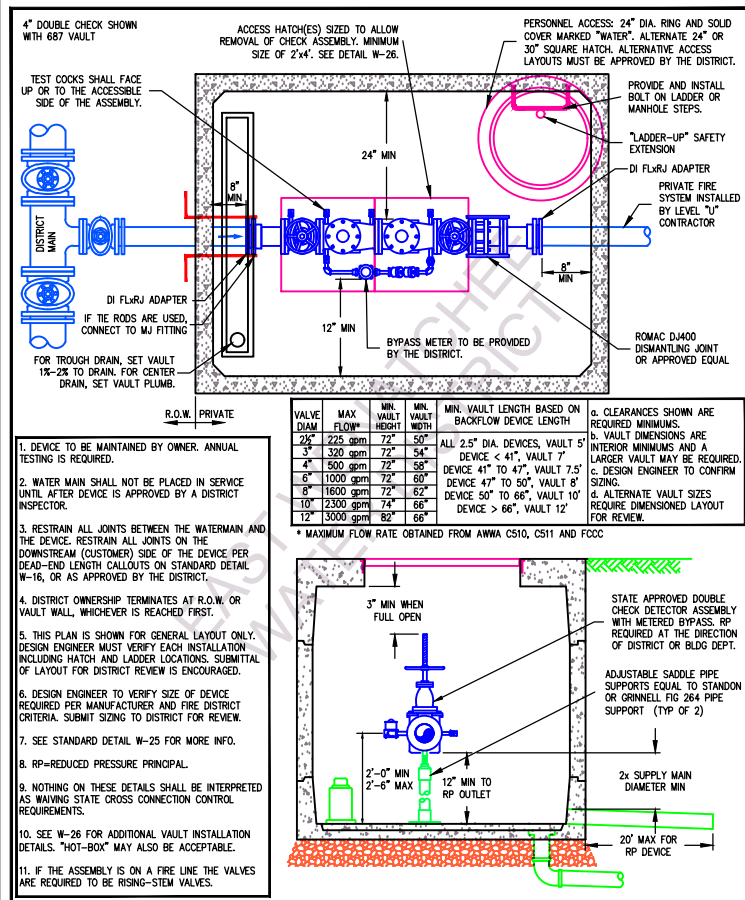
**East Wenatchee Water District**  
3" METER ASSEMBLY  
DRAWING NO. W-20  
REVISED: MAR 30, 2023  
SHEET NO. 21

**East Wenatchee Water District**  
4" METER ASSEMBLY  
DRAWING NO. W-24  
REVISED: MAR 30, 2023  
SHEET NO. 22

**East Wenatchee Water District**  
PRESSURE REDUCING STATION  
DRAWING NO. W-19  
REVISED: MAY 5, 2021  
SHEET NO. 23

**East Wenatchee Water District**  
PRESSURE REDUCING STATION  
DRAWING NO. W-17  
REVISED: MAY 2, 2018  
SHEET NO. 24





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WATER SYSTEM STANDARD DETAIL  
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**BACKFLOW PREVENTION ASSEMBLY**  
FILENAME: EWDWT4  
REVISED: MAR 30, 2023  
DRAWING No. W-13  
SHEET No. 25

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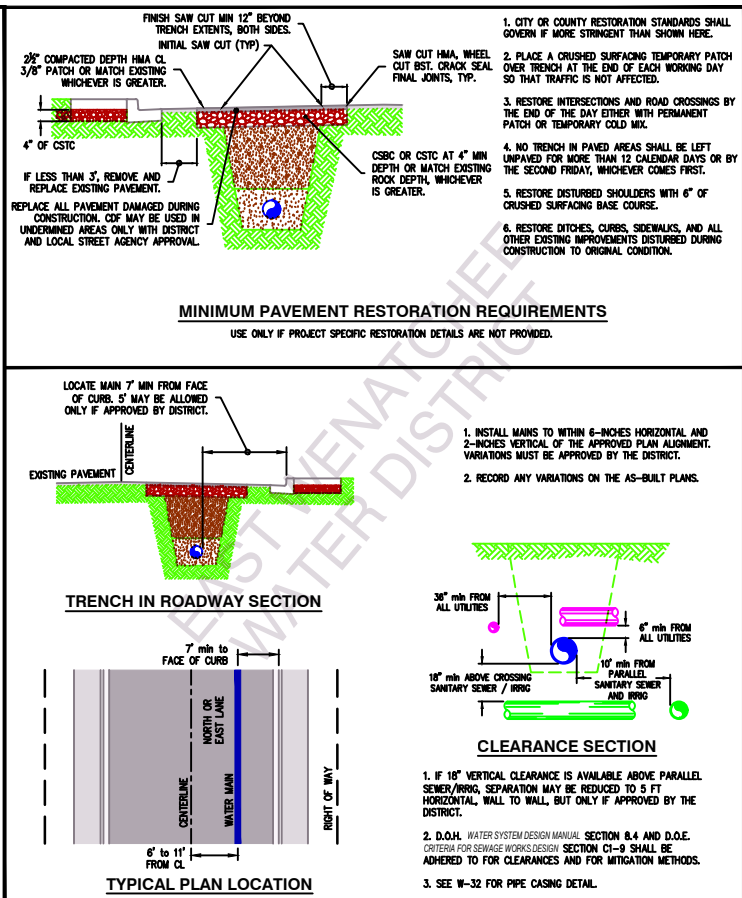
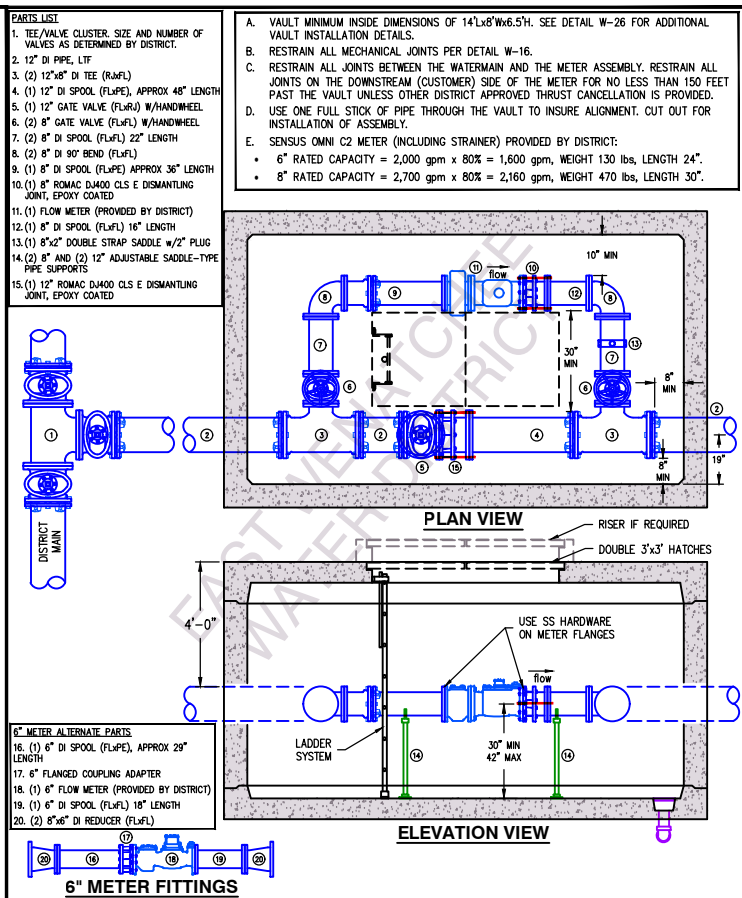
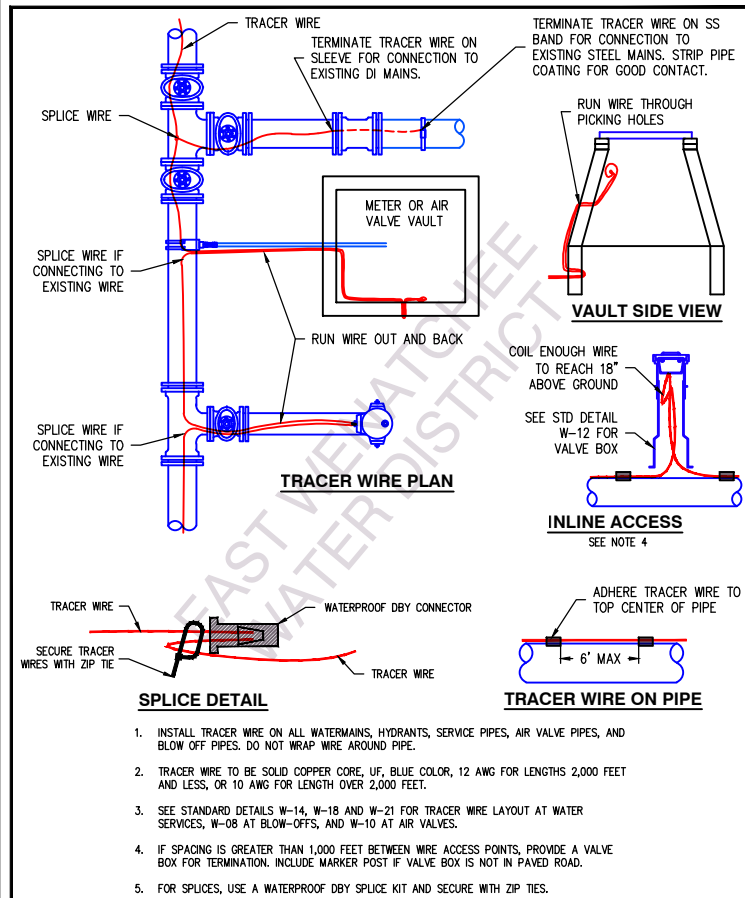
**BACKFLOW ASSEMBLY INSTALLATION**  
FILENAME: EWDWT10  
REVISED: MAR 30, 2023  
DRAWING No. W-25  
SHEET No. 25

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**CONNECTIONS TO EXISTING MAINS**  
FILENAME: EWDWT8  
REVISED: JUN 11, 2025  
DRAWING No. W-22  
SHEET No. 27

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**ABANDONMENT AND REMOVAL OF TERMINATED FACILITIES**  
FILENAME: EWDWT9  
REVISED: JAN 7, 2020  
DRAWING No. W-15  
SHEET No. 28



**DECEMBER 2021**

- W-02 CHANGED CLOW MODEL F2500 TO MEDALLION. CHANGED MAXIMUM SHACKLE ROD LENGTH FROM 15 FEET TO 60 FEET.
- W-03 ADDED MARKER TAPE FOR PIPE IN EASEMENTS.
- W-12 ADDED EXTENSION ROD DIMENSION FROM SURFACE.
- W-13, W-26 ADDED/CLARIFIED SECONDARY ACCESS HATCH FOR VAULTS WITH A SINGLE PIPE (NOT FOR THOSE WITH INSIDE BYPASSES). REVISED LADDER LOCATION AND BRACKET REQUIREMENTS.
- W-14, W-18 CHANGED SERVICE PIPE SIZE TO 2" FOR ALL 1.5" WATER SERVICES.
- W-23 REVISED UNOBSTRUCTED SPACE AROUND THE HYDRANT TO 36" CLEAR.
- W-26, W-30 ADDED NOTE THAT CAST-IN-PLACE VAULTS NOT ALLOWED.
- W-29 CLARIFIED SIDEWALK PANEL SIZE AND SLOPE.
- W-30 ADDED NOTE ABOUT CONSTRUCTION STAKING.

**2022**

- W-01, MOVED MATERIALS SPECS TO W-30.
- W-03, CLARIFIED PIPE ZONE BEDDING COMPACTION METHOD AND MAXIMUM DEPTH OF 6" PER LIFT. ADDED NOTE REQUIRING CRACK SEAL ON ALL ASPHALT JOINTS.
- W-10, CLARIFIED BLUE BOARD INSULATION TO BE 2" THICK WITH A MINIMUM R-10.
- W-12, ADDED LIST OF APPROVED GATE VALVE MODELS AND EAST JORDAN IRONWORKS VALVE BOX MODEL NUMBERS.
- W-13, ADDED VALVES TO BE RISING-STEM FOR FIRE LINES; ALTERNATIVE HATCH LAYOUT TO BE APPROVED BY THE DISTRICT; AND THE BYPASS METER IS TO BE PROVIDED BY THE DISTRICT.
- W-14, CLARIFIED MARKING TAPE TO BE NON-METALLIC WHEN LOCATED ABOVE TRACER WIRE.
- W-16, GRIPPER TYPE RESTRAINT GASKETS NOT APPROVED FOR LARGER THAN 12".
- W-20, CLARIFIED VALVES TO BE RISING STEM.
- W-22, ADDED ROMAC 501 TO APPROVED COUPLINGS.
- W-25, ADDED ISOLATION VALVE BETWEEN THE METER AND BACKFLOW ASSEMBLY AND THAT THE DEVICE WILL BE IN A HOT BOX UNLESS OTHERWISE APPROVED BY THE DISTRICT.
- W-26, CLARIFIED LADDER EXTENSION POST PRODUCT REQUIREMENTS.
- W-30, BROKE OUT MATERIALS SPECS INTO SEPARATE LIST. CLARIFIED VALVES TO BE RISING STEM.

**APRIL 2023**

- W-03, MOVED WATER MAIN LOCATION NOTES INTO NEW DETAIL W-34.
- W-03, ADDED BEDDING MATERIAL SIEVE GRADATION.
- W-34, NEW DETAIL "WATER MAIN LOCATION"

**JUNE 2024**

- W-03, ADDED NO MATERIAL LARGER THAN 6" ALLOWED IN TRENCH BACKFILL. CONSISTENT WITH WSDOT 7-08.3(3).
- W-07, REMOVED OBSOLETE STAR NATIONAL BRAND PRODUCTS.
- W-12, ADDED VALVE BODY FASTENERS MUST BE STAINLESS STEEL.
- W-26, ADDED ALL VAULT HORIZONTAL JOINTS MUST BE KEPT.
- W-30, ADDED FLANGE BOLTS AS EXCLUDED FROM DOMESTIC METAL REQUIREMENT. ADDED FLANGE GASKET PRESSURE RATING. ADDED MARKING TAPE NOTE.

**OCTOBER 2025**

- W-02, INCREASED HYDRANT DRAIN ROCK FROM 7 CF TO 1/2 CY.
- W-09, ADDED FLUSHING, DISINFECTION, AND PURITY TESTING PROCEDURES.
- W-22, ADDED AWWA FLANGE CLASS RATINGS.
- W-30, ADDED THAT FULL FACE FLANGE GASKETS ARE APPROVED, EXCEPT ON RAISED SEAT FLANGES.
- W-34, MOVED RESTORATION DETAIL HERE FROM W-03.

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**TRACER WIRE**  
FILENAME: EWDWT31  
REVISED: DEC 21, 2021  
DRAWING No. W-31  
SHEET No. 29

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**6" & 8" METER ASSEMBLY**  
FILENAME: EWDWT33  
REVISED: FEB 6, 2024  
DRAWING No. W-33  
SHEET No. 30

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**WATER MAIN LOCATION TRENCH RESTORATION**  
FILENAME: EWDWT34  
REVISED: OCT 7, 2025  
DRAWING No. W-34  
SHEET No. 31

