



East Wenatchee

Water District

File: EWDTW31 Revised: JAN 14, 2020 Printed: JAN 14, 202

- W-13 UPDATED BYPASS METER REGISTER MODEL.
 W-14 ADDED CONCRETE BLOCKING AND PT WOOD SHIM CALLOUT
- CHANGED SERVICE LINE SIZE FOR *X" METER BASED ON WHICH SIDE OF THE STREET.

 ADDED FOR CONNECTION TO EXISTING SERVICE BE AT OR BEHIND ROW. W-17 CHANGED \(\frac{y}{a} \) AR RELEASE VALVE TO 1" COMBINATION AIR VALVE, UPDATED PIPING. ADDED AIR VALVE TO BOTH SIDES OF PRV.

 ADDED NOTE TO ADDRESS THE LOCATION OF GAUGE & AIR VALVE.
- W-18 UPDATED FORD METER SETTER MODEL NUMBERS, ADDED A 3" LONG BRASS NIPPLE
- BETWEEN CURB STOP AND SETTER. W-19 UPDATED LINE WORK FOR AIR VALVE PER CHANGE TO W-17.
- W-21 UPDATED FORD METER SETTER MODEL NUMBERS. ADDED 6" BRASS NIPPLE BETWEEN
- W-22 CHANGED VALVE ON 2" AND SMALLER DETAIL TO CURB STOP, ADDED MINIMUM WALL THICKNESS TO FLANGED EPOXY ADAPTER. ADDED DETAIL FOR CONNECTION TO EXISTING 2" AND SMALLER DEAD END MAIN.

- AND SWALLER DEAD END MAIN.

 #-24 REMOVED BASKET STRAINER.

 W-26 CREATED NEW DETAIL FOR COMMON LARGE VAULT INFORMATION.

 ADDED NOTE THAT ALL EXTERIOR THRUST BLOCKS ON LARGE VAULTS SHALL BE INSTALLED PRIOR TO THE PIPE INSTALLED THROUGH THE VAULT BEING CUT OUT.

 ADDED A NOTE THAT REINFORCED THRUST BLOCKS SHALL BE FORMED USING WOOD FORMS NOT POURED DIRECTLY AGAINST SOIL

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 ADDED NOTE THAT REINFORCED THRUST BLOCKS SHALL BE CONSOLIDATED USING VIBRATION.

 W-29 ADDED NOTE THAT CUSTOMER SIDE CASINGS ARE ALWAYS REQUIRED.

 W-30 ADDED NOTE TO DELIVER SALVAGED VALVES WITHIN ONE WEEK AND UNDAMAGED.

 W-30 ADDED NOTE THAT RESTRAINTS AND AFFECTED PIPE MAY NOT BE REUSED ONCE

- NOVEMBER 2014

 W-20 REVISED METER LAY LENGTH AND MODEL FROM NEPTUNE TO SENSUS.

 W-34 REVISED METER LAY LENGTH AND MODEL FROM NEPTUNE TO SENSUS.

 W-30 ADDED NOTE FOR FLANCE GASKET AND BOLT MATERIALS.

- W-15 REVISED FIRST PARAGRAPH

ADDED 10 NOTE 10 SET LID 2 ABOVE HINSHED GRADE IN LANDSCAPE AREAS.
 ADDED NEW NOTE TO INSTALL MASTIC BETWEEN VAULT SECTIONS
 ADDED NEW NOTE REQUIRING A HMA APRON AROUND THE LID IN UNPAYED TRAVEL AREAS.
 W-30 RE-ADDED VAULT LID NOTE ACCIDENTALLY DELETED DURING 2014 REVISIONS.
W-30 MOYED NOTE REGARDING SALVAGED EQUIPMENT TO DETAIL W-15.

- W-15 REVISED FIRST PARAGRAPH.

 "28 REVISED NOTE REGARDING PIPE LENGTHS TO ACCOMMODATE LONG VAULTS.

 W-26 ADDED REQUIREMENT OF 2 SUPPORTS FOR LADDER-UP EXTENSIONS.

 W-21 ADDED PRESSURE TESTING TO PE PIPE SERVICE CONNECTION.

 W-21 ADDED LENGTHS FOR BRASS NIPPLE BASED ON SINGLE OR DOUBLE SERVICE.

 W-23 ADDED PRESSURE TESTING TO PE PIPE SERVICE CONNECTION.
- **2-29 CHANGED DETAIL TITLE TO **MATER SERVICE, AIR VALVE, BLOW OFF VAULT
 INSTALLATION PLACEMENT*.
 **4-29 ADDED PRESSURE TESTING TO PE PIPE SERVICE CONNECTION.
 **4-29 ADDED PRESSURE TESTING TO PE PIPE SERVICE CONNECTION.
 **4-29 CHANGED NOTE ON THE LIDS INSTALLATION WITHIN SIDEWALK DETAIL TO REQUIRING
- A FULL PANEL OF SIDEWALK AROUND VAULT WHEN SIDEWALK IMPROVEMENTS ARE DEFERRED.

 #-29 DETAIL NOTE CHANGES:

 ADDED TO NOTE TO SET LID 2" ABOVE FINISHED GRADE IN LANDSCAPE AREAS.
- 5. FOR SPLICES, USE A WATERPROOF DBY SPLICE KIT AND SECURE WITH ZIP TIES.

DRAWING NO. W-31 SHEET NO. 29

WATER SYSTEM STANDARD DETAIL **TRACER WIRE**

- W-18 ADDED MUELLER PRODUCT INFORMATION TO TABLE
 W-21 ADDED MUELLER PRODUCT INFORMATION TO TABLE
 W-30 ADDITIONAL SPACING REQUIREMENTS FOR CASING RUNNERS

- January 2017
 W-01 REVISED WATER MAIN COVERAGE DEPTH NOTE

- W-O1 REVISED WATER MAIN COVERAGE DEPTH NOTE
 W-O1 REVISED THE THRUST RESTRAINT NOTE
 W-O1 INCLUDED SETTERS AND TAILPIPE IN PRESSURE TEST NOTE
 W-O1 INCLUDED OPEN END OF VALVES IN PIPE PLUG NOTE
 W-O1 REVISED ATTACHMENT DETAIL TO INCLUDE A WASHER AND DOUBLE NUT OR
 W-O2 REWISED ATTACHMENT DETAIL TO INCLUDE A WASHER AND DOUBLE NUT OR
- W-10 CLARIFIED CMU BLOCK SIZE REQUIRED AND ELIMINATED CMU BLOCK UNDER CURB

- W-15 INCLUDED AIR VALVE ASSEMBLIES IN WATER SERVICE SECTION TITLE W-19 REMOVED WALL COLLARS FROM DETAIL

- NE. 2018
 W-01 CLARIFIED CUSTOMER SIDE TAILPIPE IN PRESSURE TESTING NOTE.
 W-01 REMSED DOMESTIC MADE REQUIREMENT NOTE TO EXCLUDE CASING PIPES
 W-02 UPDATED THE APPROVED M&H MODEL NUMBERS
 W-02 ADDED TRACER WIRE TO ELEVATION VIEW
 W-03 ADDED NOTE TO TRENCH DETAIL ABOUT TRACER WIRE INSTALLATION.
 W-04 ADDED A ROW FOR SILT IN TABLE 2.
 W-07 ADDED A TRACHEMENT DETAIL FOR SHACKLE PLATES
 W-07 ADDED A TRACHMENT DETAIL FOR SHACKLE PLATES

- W-10 REVISED TRACER WIRE ROUTIN

- GRAVEL AREA.

- O CLARIFIED MATERIAL ALLOWED FOR CORP STOP BLOCKING.
- W-12 ADDED NOTE 8 AND ADDED PLAN VIEW OF BOX LID W-13 UPDATED NOTE 3 TO CLARBY RESTRAINED PIPE REQUIREMENTS W-13 REMOVED THRUST BLOCKS AND SHACKLES W-13 CHANGED THE FCA TO A FLARJ ADAPTER

- IS ADDED DISMANTLING JOINT
 IS UPDATED VAULT MIN INTERIOR DIMENSION REQUIREMENTS TO MATCH NEW PIPE
- W-13 INCLUDED IPERL IN TYPE OF METER ALLOWED

- W-19 REMOVED WALL COLLARS FROM DETAIL
 W-20 REMOVED EXTERIOR BLOCKS AND SHACKLES, ADDED NOTE 8, UPDATED FITTING
 NO. 2 FROM MJ TO RJ
 W-21 REMOVED NOTE 4 REGARDING MASTIC BETWEEN CHAMBER TOP AND BASE
 W-21 ADDED NOTE REGARDING PRESSURE TESTING SERVICE
 W-21 ADDED NOTE IN ELEVATION REGARDING REQUIRED ADAPTER IN 1" SETTERS
- W-24 RADOED NOTE IN TECEVATION RECORDING REQUIRED ADJAFTER IN 1 SETTERS W-24 REMOVED EXTERIOR BLOCKS AND SHACKLES, ADDED NOTE 8, UPDATED FITTING NO. 2 FROM NJ TO RJ WITH NO FCA OPTION W-26 REMOVED ALL WALL COLLARS
 W-26 UPDATED NOTE 2 TO HAVE THE DISTRICT DECIDE IF EXTERNAL BLOCKS ARE
- N=26 Clarified in note 3 to neatly route drain piping in vault
 w=26 Created a New Note 7 allowing the district to require interior paint
 w=26 updated note 8 (was previously 7) to require exterior coat on grout
- W-30 RELOCATED CASING NOTE TO CASING DETAIL, W-32
- W-30 UPDATED CONTRACTOR SHUTDOWN REQUIREMENT NOTE
 W-30 INCLUDED ASTM A307 GRADE B FOR FLANGE BOLTS
 W-31 NEW DETAIL CREATED FOR TRACER WIRE INSTALLATION
 W-32 NEW DETAIL CREATED FOR CASING PIPES

September 2017 • W-01 RELOCATED DOMESTIC-MADE REQUIREMENT NOTE FROM NOTE 15 TO NOTE 1. • W-01, W-03 SPUT NOTE 15 INTO SEPARATE NOTES 1, 2, AND 17. RENUMBERED OTHER NOTES ACCORDINGLY.

- W-07 ADDED A BULLET LIST OF APPROVED MATERIALS FOR THE TIE RODS IN THE

- W-10 CREATED AN ISOMETRIC OF THE BLOW-OFF TEE.
 W-10 UPDATED THE MODEL NUMBERS FOR THE APCO AIR RELEASE/VACUUM
- W-10 CALLED OUT THE LENGTH OF THE NIPPLE UNDERNEATH THE AIR
- W-10 CALLED OF THE LENGTH OF THE NIPPLE ONDERNEATH
 RELEASE/VACCUM VALVE.
 W-12 ADDED TRACER WIRE TO ISOLATION VALVE DETAIL
 W-12 UPDATED VALVE NOTE TO INCLUDE VALVES ON TEES.
 W-12 REVISED ISOLATION VALVE NOTE TO 4* AND LARGER.
- W-12 CLARIFIED PRE-PRESSURE TEST NOTE TO SAY CLOSED SEAT.
 W-12 ADDED TO MARKER POST NOTE TO INCLUDE WHEN VALVE IS IN
- W-13 ADDED 12" VALVE SIZE DATA TO THE VAULT MIN. INSIDE TABLE
- W-13 ADDED 12 VALVE SIZE DATA TO THE VALVE SIZE DATA THE
- W=14 INCLUDED WHEN TAPPING EASING MAIN TO NOTE ABOUT TRACER
 WERE CONNECTION.
 W=16 ADDED A FUSION BONDED POLYESTER COATING REQUIREMENT TO THE
 MECHANICAL JOINT RESTRAINTS
 W=16 UPDATED THE REQUIRED RESTRAINED LENGTHS FOR ALL FITTINGS
 W=17 ADDED A BELL REDUCER ON THE GAUGE & AIR VALVE DETAIL
 W=17 ADDED A MAX TAP SIZE TABLE
 W=18 ADDED A MAX TAP SIZE TABLE
 W=19 ADDED TAP SI
- W=17 ADDED A MAX 1AP SIZE LABLE W=18 REVISED TRACER WRE TO NOT WRAP AROUND PIPE W=18 ADDED DETAIL TO SHOW SERVICE LINE GOING UNDER CROSSING UTILITY W=18 ADDED 3" CASING TO ELEVATION DETAIL FOR SERVICE PIPE
- W-19 ADDED FLxRJ ADAPTERS TO EACH END OF THE MAIN PIPE IN THE

FOUAL WITH A 7" CENTER RING LENGTH MINIMUM.

- W-24 ADDED A VALVE AND DRAIN ON THE BYPASS
 W-26 CLARIFIED NOTE ABOUT DRILLING 2" HOLE IN DOOR. ONLY IF VAULT HAS METER
- W-26 ADDED NOTE ABOUT A SPRAY UNDERCOAT TO THE GROUT PACK W-26 REVISED LADDER-UP TO BE SPRING LOADED AND INCLUDED APPROVED MATERIALS FOR THE LADDER W-29 ADDE REFERENCE TO RETAIN WALL DETAIL TO GENERAL NOTE 4 W-30 UPDATED THE DIMENSIONS FOR THE RECESSED HOLE FOR THE RADIO.
- W-30 ADDED NOTE STATING THE TYPE OF VALVES TO BE USED WHEN
- W-31 UPDATED TRACER WIRE TO COME IN BETWEEN TWO PARTS OF VALVE
- W-31 UPDATED DETAIL TO SHOW TRACER WIRE TERMINATING ON SLEEVE OR W-31 REVISED THE WATERPROOF NUT TO A WATERPROOF DRY CONNECTOR W-31 REMOVED TRACER WIRE WRAPPING DETAIL
- W-31 ADDED GENERAL NOTE 6
 W-32 ADDED DETAIL FOR CASINGS LONGER THAN 20' W-32 INCLUDED A CROSS SECTION OF THE CROSS UTILITY FOR EACH
- W-32 ADDED NOTE ABOUT CASING RUNNER SELECTION SIZE.
 W-32 ADDED NOTE LISTING CASING SIZE NEEDED FOR VARIOUS PUSH-ON
 JOINT DI CARRIER PIPE SIZES.
 W-14, W-18, W-21, W-29 CHANGED SERVICE LINE DEPTH CALLOUT TO 48"

- W-01 (NOTE 13) ADDED TO PRETEST VALVES PRIOR TO INSTALLATION.
 W-13 ADDED MAXIMUM DRAIN PIPE LENGTH OF 20 FEET.
 W-16 ADDED MULTIPLIER FOR PVC PIPE. ADDED THAT SET-SCREW
- RESTRAINTS AND TYLER THEGRIP RESTRAINTS ARE NOT ALLOWED
- W-25 ADDED MAXIMUM DRAIN PIPE LENGTH OF 20 FEET.
 W-30 (NOTE 23) ADDED COEFFICIENT OF FRICTION REQUIREMENT.
 W-31 REMOVED TRACER WIRE IN VALVE BOXES.

- W-12 (NOTE 13) ADDED MAXIMUM GAUGE SCALE REQUIREMENT.
 W-29 CLARIFIED MAXIMUM 6" VERTICAL ADJUSTMENT. W-30 (NOTE 23) LIPDATED LID/FRAME MODEL NUMBERS.
- W-30 (NOTE 29) ADDED NEW NOTE ABOUT DISTRICT LOANED EQUIPMENT.

- NUARY 2020

 "-0.2, W-14, W-18, W-21, W-31 REVISED TRACER WIRE CONFIGURATION W-04 REVISED PRECAST BLOCK CALLOUT LISTING AVAILABLE SIZES.
 W-12 SIGMA BOX TOPS NO LONGER ALLOWED DUE TO CLEARANCE ISSUES.
 W-12 REMOVED TRACER WIRE FROM VALVE BOX.
 W-12 ADDED VALVE BOX COLLAR.
- W-18 UPDATED METER SETTER MODEL NUMBERS W-23 CHANGED HILLHOLDER WALLS FROM ROCKS TO PRECAST BLOCK.
 W-26 ADDED GAS SHOCK OPTION FOR HATCH.
 W-29 NOW GRAPHICALLY SHOWS LID ADJUSTMENT RISERS.



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