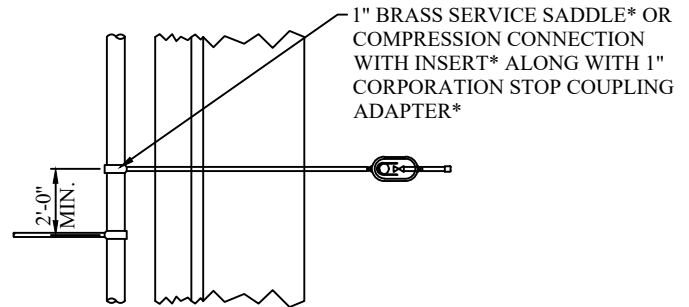
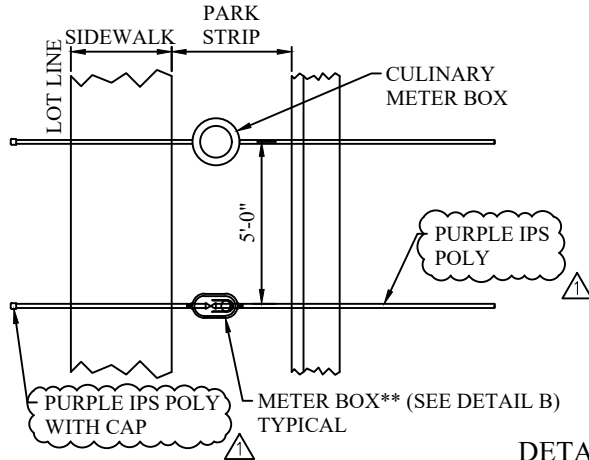
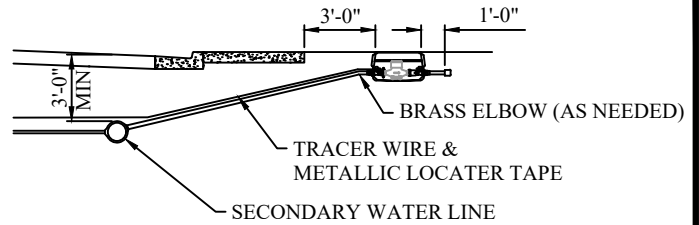
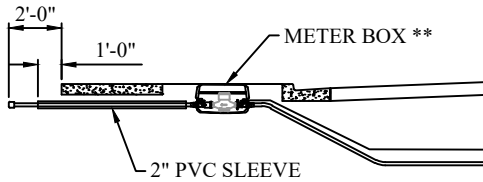
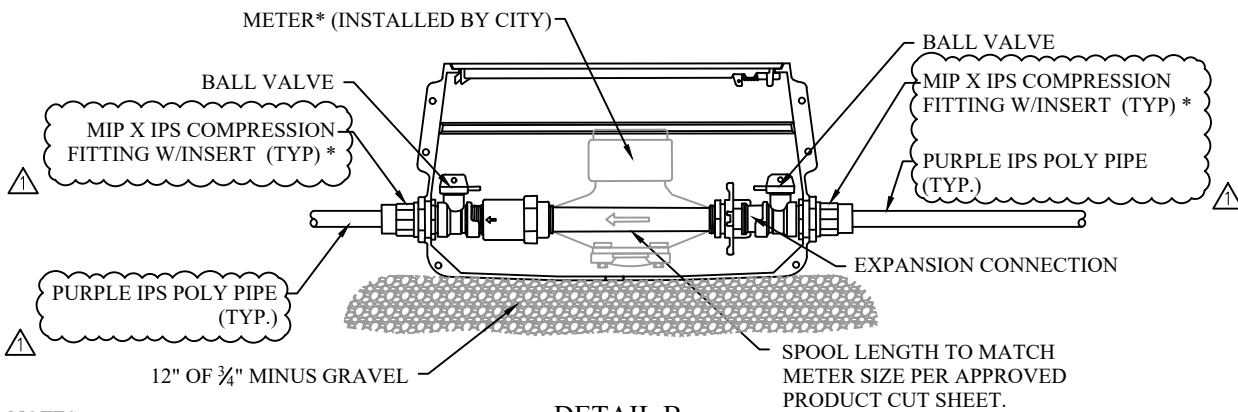


***REFER TO PARTS LIST ON SW-PL FOR APPROVED PARTS MODELS.**



DETAIL A



DETAIL B

NOTES:

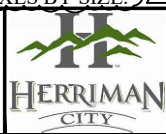
- INSPECTION:** PRIOR TO BACKFILLING AROUND THE METER BOX, SECURE INSPECTION OF INSTALLATION BY ENGINEER.
- BACKFILLING:** INSTALL ALL BACKFILL MATERIAL PER APWA SECTION 31 05 13 IN LIFTS NOT EXCEEDING 6" AFTER COMPACTION. COMPACT EACH LIFT TO A MINIMUM RELATIVE DENSITY OF 95%.
- METER BOX:** NO GRADE RINGS ALLOWED TO RAISE METER BOX.
- PLACEMENT:**
 - DO NOT INSTALL METER BOX UNDER DRIVEWAY APPROACHES, SIDEWALKS, OR CURB AND GUTTER
 - 5' MIN. AWAY , FROM DRIVE APPROACH, MAILBOX, TREE, METER BOX, UTILITY BOX OR ANY OTHER OBSTRUCTION.
- INSERTS REQUIRED WITH ALL COMPRESSION FITTINGS.
- YOKE METER BOX** MUST BE PLACED AT 90° ANGLE TO STREET.
- TAPPING:** PLACE TAPS A MINIMUM 24" APART. USE TAPPING TOOL, WHICH IS SIZED CORRESPONDING TO THE SIZE OF THE SERVICE LINE TO BE INSTALLED. NO TAPS WITHIN 24" OF THE END OF PIPE OR ANY FITTING.
- TRENCHING SHALL CONFORM TO CW-02.
- REFERENCE PARTS LIST FOR APPROVED MODELS FOR CONNECTIONS WITH INSERTS.

*** SEE PARTS LIST FOR APPROVED YOKE METER BOXES BY SIZE.**

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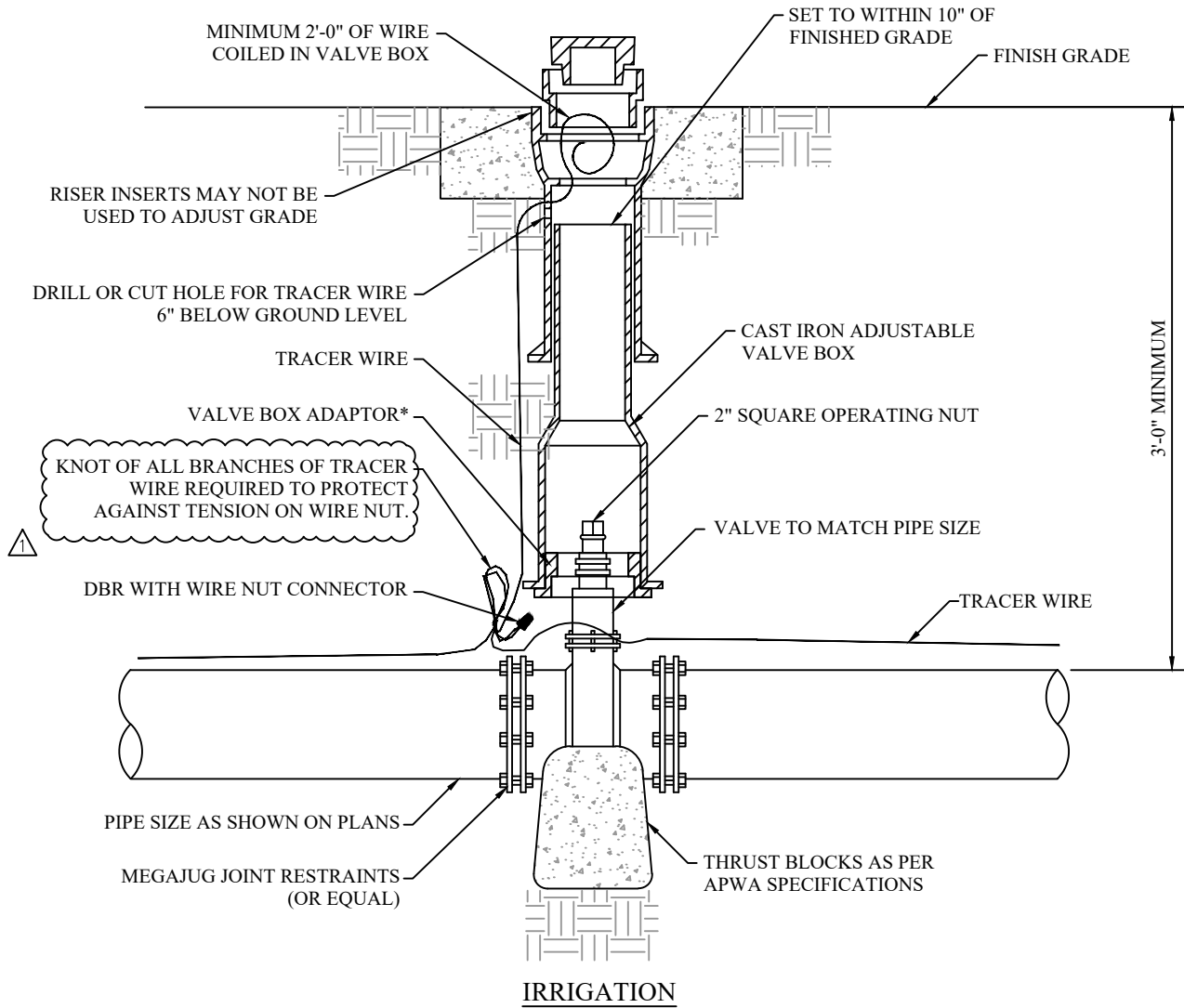
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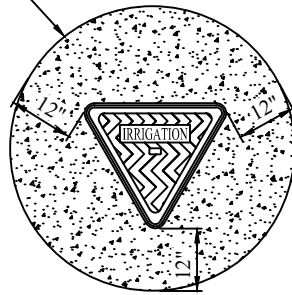
HERRIMAN CITY
ENGINEERING DEPARTMENT
SECONDARY WATER
SECONDARY WATER SERVICE

SW-01

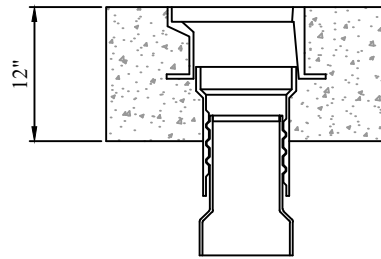
***REFER TO PARTS LIST ON SW-PL FOR APPROVED PARTS MODELS.**



38" DIAMETER



PLAN



PROFILE

NOTE:

1. VALVE BOX SHALL BE CLEAN, PLUMB AND PROPERLY ALIGNED ON THE VALVE.
2. MINIMUM OVERLAP OF 4" FOR STACKED LOWER BOXES.

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6/5/2024 10:59 AM

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HERRIMAN CITY
ENGINEERING DEPARTMENT
 SECONDARY WATER
 IRRIGATION VALVE


SW-08



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1. 2" AIR VACUUM RELIEF VALVES MAY USE TAP W/ SADDLE.
2. 4" AIR VACUUM RELEASE VALVES AND LARGER REQUIRE A TEE (MJxMJxFLG).
3. REFER TO PARTS LIST FOR APPROVED COMBINATION AIR VALVE.
4. AIR VALVE SHALL BE SIZED BY PROFESSIONAL ENGINEER OF RECORD. (2" MIN.)
5. AIR VACUUM VALVES OR AIR RELEASE VALVES ARE NOT ALLOWED WITHOUT APPROVAL FROM THE CITY ENGINEER.
6. TOP STEP MUST BE PLACED WITHIN 24" OF FINISHED GRADE.
7. BOTTOM STEP MUST BE WITHIN 12 IN. OF THE FLOOR

	DR-WING NUMBER CH-NGE	6/5/2024
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SW AIR COMBINATION VALVE & ASSEMBLY

SW-13



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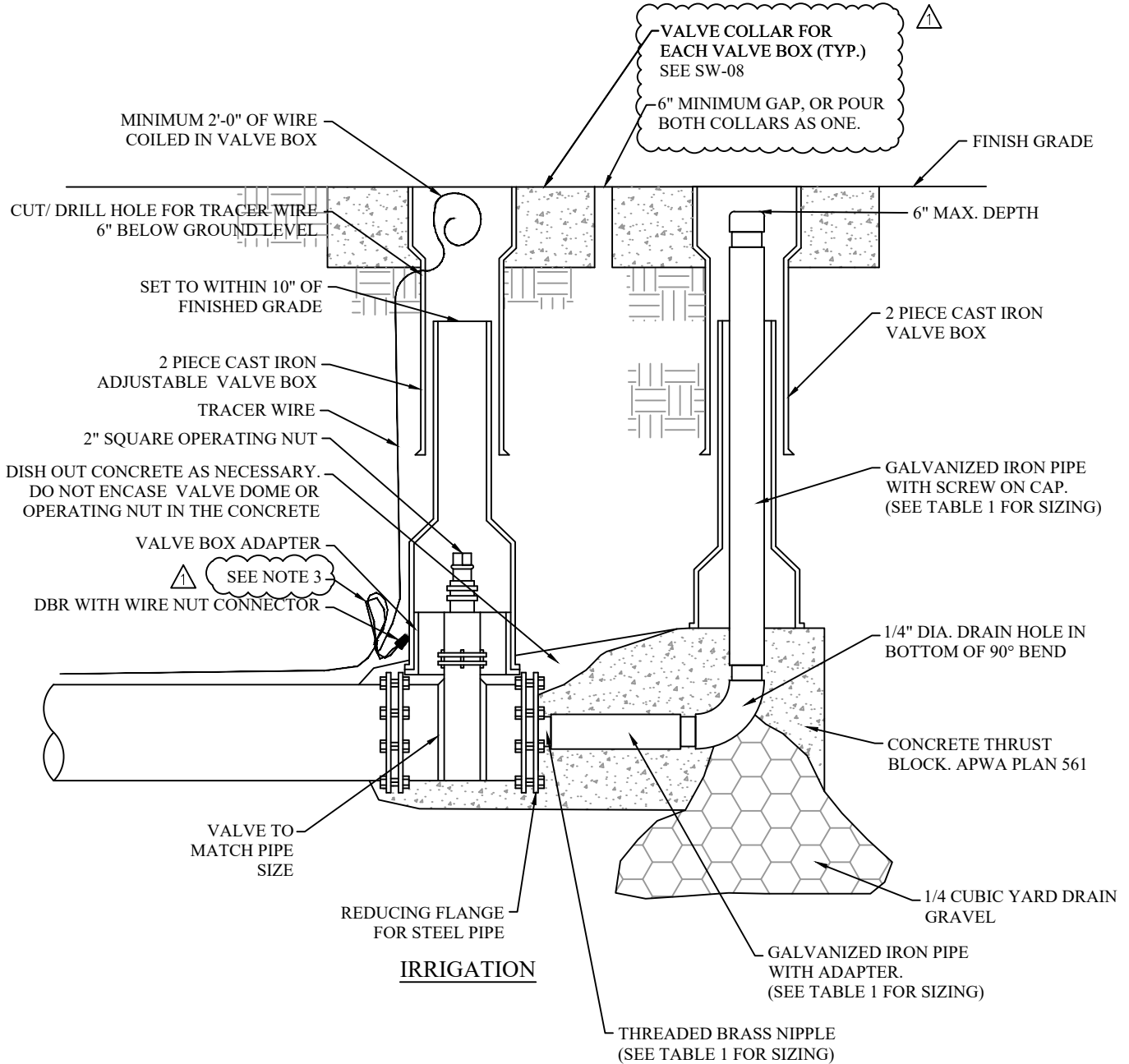
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SW-14

***REFER TO PARTS LIST ON SW-PL FOR APPROVED PARTS MODELS.**



**MINIMUM SIZE TABLE
SEE NOTE 4**

DRAIN LINE SIZE	MAIN LINE SIZE
2"	8" OR SMALLER
4"	10" TO 16"
6"	LARGER THAN 16"

NOTE:

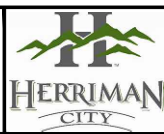
- 1 VALVE BOX SHALL BE CLEAN, PLUMB AND PROPERLY ALIGNED ON THE VALVE.
- 2 MINIMUM OVERLAP OF 4" FOR STACKED LOWER BOXES.
- 3 KNOT OF ALL BRANCHES OF TRACER REQUIRED TO PROTECT AGAINST TENSION ON WIRE NUT.

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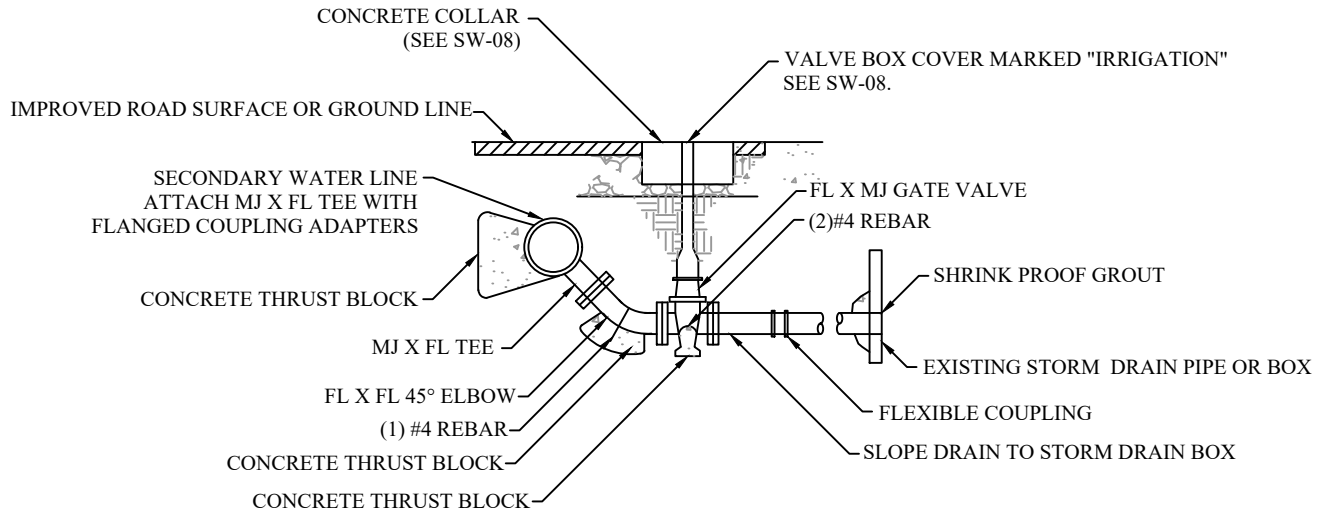
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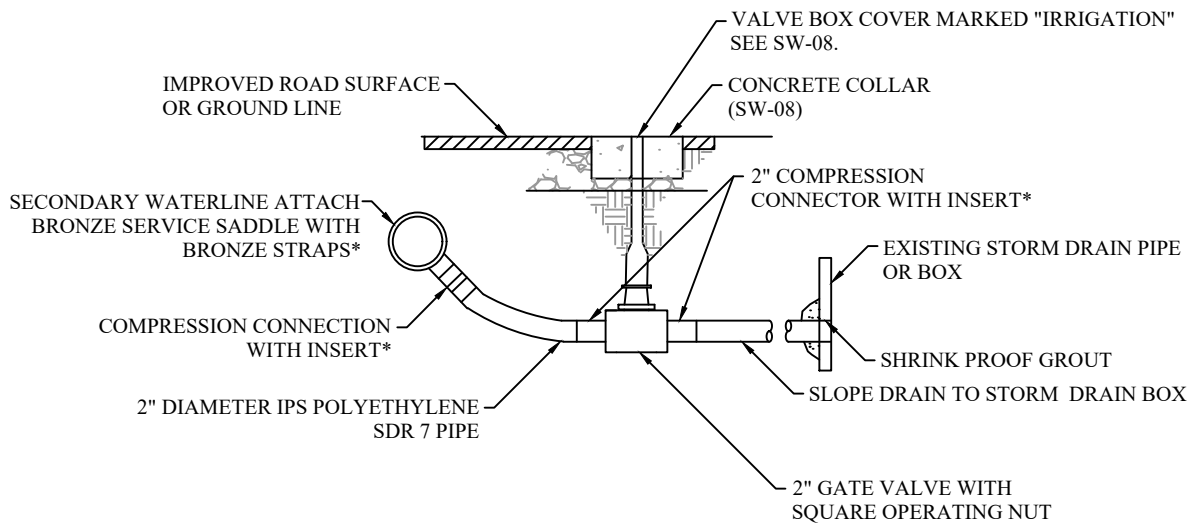
**HERRIMAN CITY
ENGINEERING DEPARTMENT
SECONDARY WATER
TEMPORARY WASHOUT VALVE**

SW-14A

***REFER TO PARTS LIST ON SW-PL FOR APPROVED PARTS MODELS.**



4" AND LARGER DRAIN VALVE DETAIL



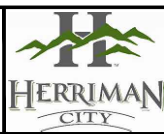
2" DRAIN VALVE DETAIL

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HERRIMAN CITY
ENGINEERING DEPARMENT
 SECONDARY WATER
 DRAIN DETAIL

SW-15

HERRIMAN CITY APPROVED SECONDARY WATER EQUIPMENT LIST

EQUIPMENT TYPE

Model

MJ Water Valve Connection Joint Restraints EBAA Iron MEGALUG, Tyler TUFgrip, Star Fittings USA

Butterfly Valve M&H Model 4500 "Linesal III" of approved equal

Gate Valves 2 Inches and Larger Resilient Wedge Seat, Mueller, Clow or approved equal

Combination Air Valve A.R.I. D-040 or approved equal

Swing Check Valves (2-inch to 24-inch) Mueller Swing-Type

Globe Check Valve (2-inch to 24-inch) VAL-MATIC model #VM:1400A/1800-S

Control Valves CLA-VAL

Valve Box Tyler 564A Cast Iron Valve Box Adaptor

Valve Box Adaptor Adaptor Inc. Model VBA-II

1" Brass Service Saddle Ford FB-202B

Bronze Service Saddle w/Bronze Straps Ford FB-202B w/ inserts

Corporation Stops (up to 1-inch service line)
Type A: Ford-FB 1101-4-Q-NL IPS Saddle
Type A: Mueller B-25029N if direct tapped
Type B: Ford-FB 1001-4-Q-NL CC threaded
Type B: Mueller B-25009N

1" Corporation Stop Coupling Adapter Ford-C86-66
Mueller B-25005

2" Blow Off Hydrant Mainguard No. 78 or Approved Equal
Truflow #TF500

Meter (1" to 2" meters) Neptune model

1" Yoke Meter Box Ford # LYLBB111-444-95504-017-NL
A.Y. McDonald # 77k409BBGG 443X206

1 1/2" Yoke Meter Box Ford # FPMB-7-T-95015-030-NL

2" Yoke Meter Box Ford # FPMB-7-T-95015-024-NL

Compression fittings with insert

1" Ford C86-44QNL, or approved equal
1 1/2" Ford C86-66NL, or approved equal
2" Ford C86-77NL, or approved equal

2" connector with insert Mueller 110 Compression w/ insert
Ford C-86-77 w/ insert connector

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HERRIMAN CITY
ENGINEERING DEPARTMENT
CULINARY WATER

SECONDARY WATER EQUIPMENT LIST

SW-PL1

HERRIMAN CITY APPROVED SECONDARY WATER EQUIPMENT LIST

EQUIPMENT TYPE	Model
Underground Packaged Pressure Reducing Station	Per Specification 33 12 18
Pipe Supports	Grinnel Figure 264 adjustable pipe saddle support with Figure 63 Type T stanchion and base plate or approved equal

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