

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

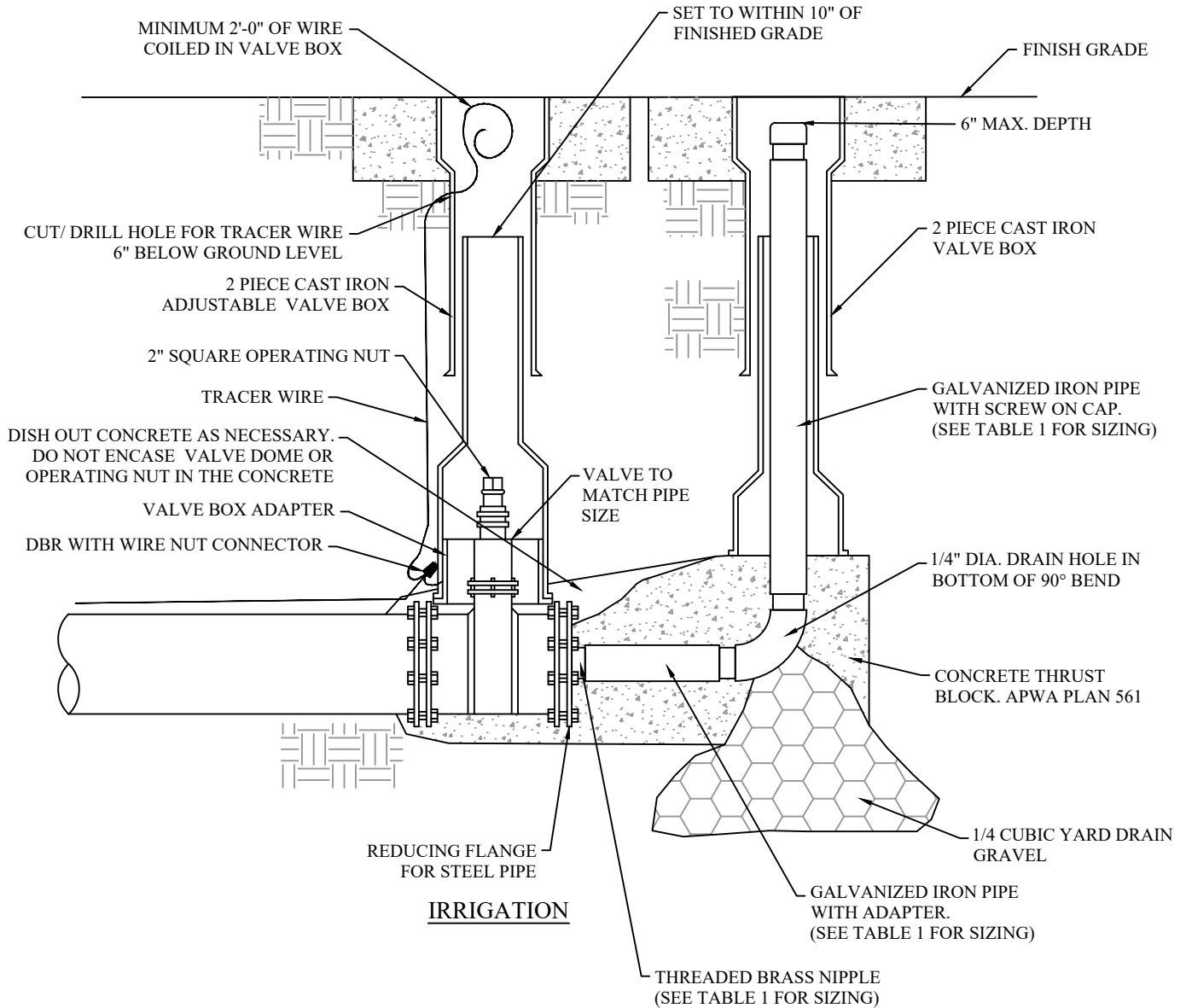


TABLE 1

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.

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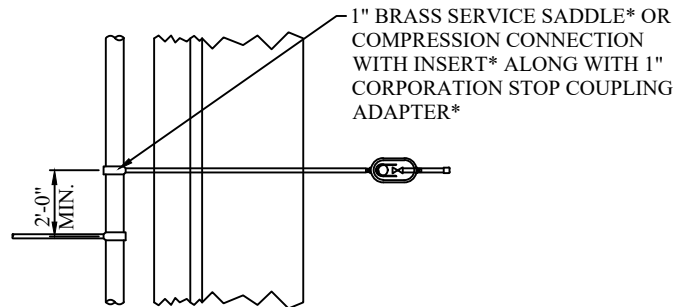
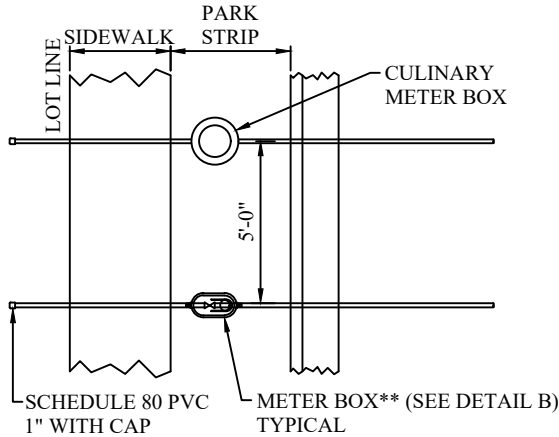
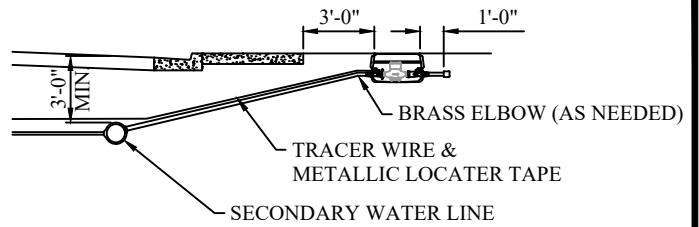
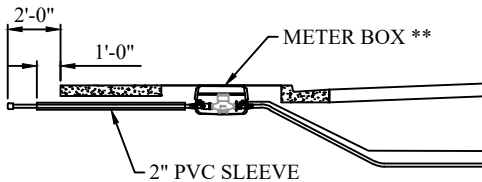
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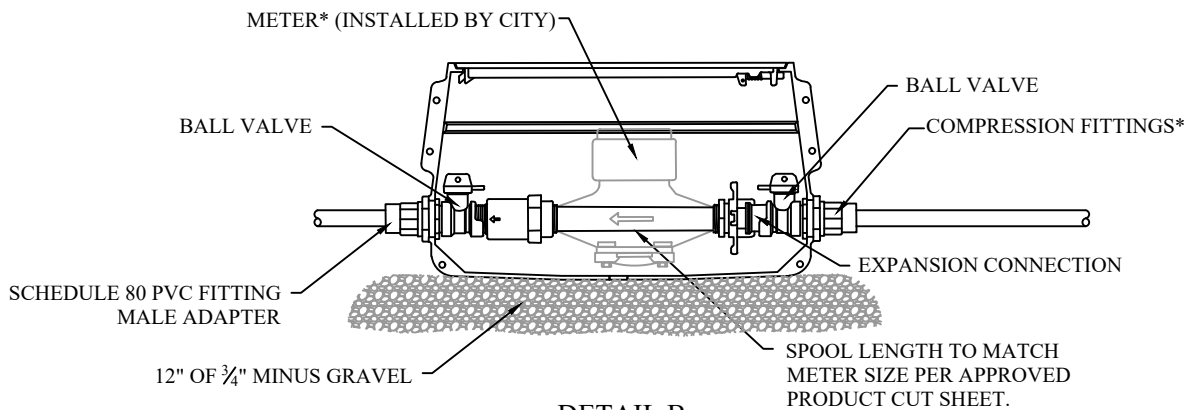
HERRIMAN CITY
ENGINEERING DEPARTMENT
 SECONDARY WATER
 WASHOUT VALVE

SW-00

***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.
- METER SETTER 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 METER BOXES BY METER SIZE.**

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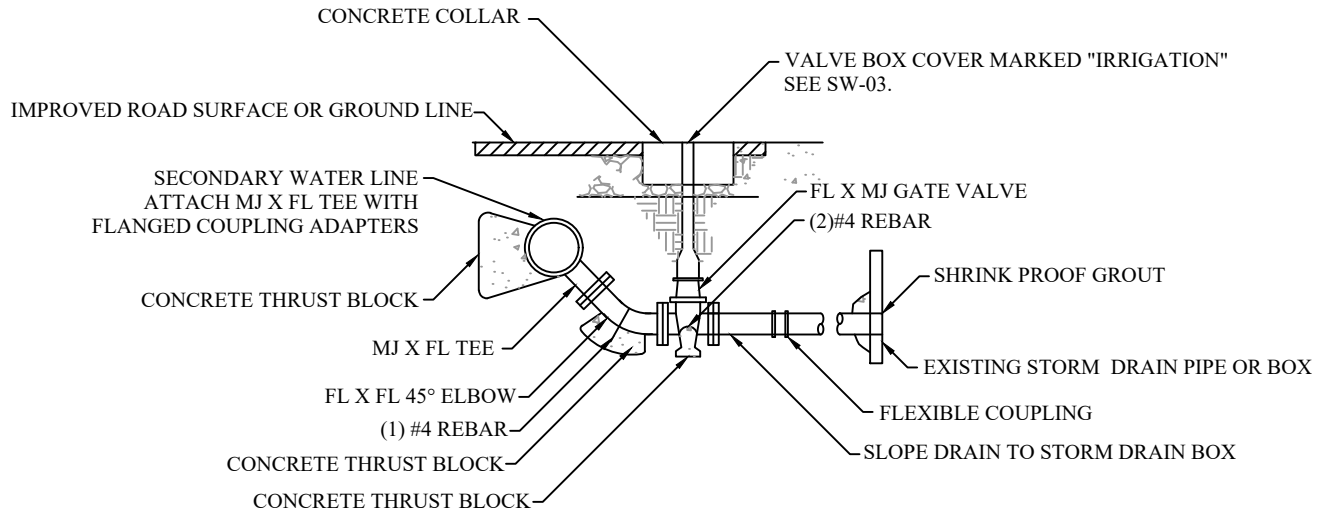
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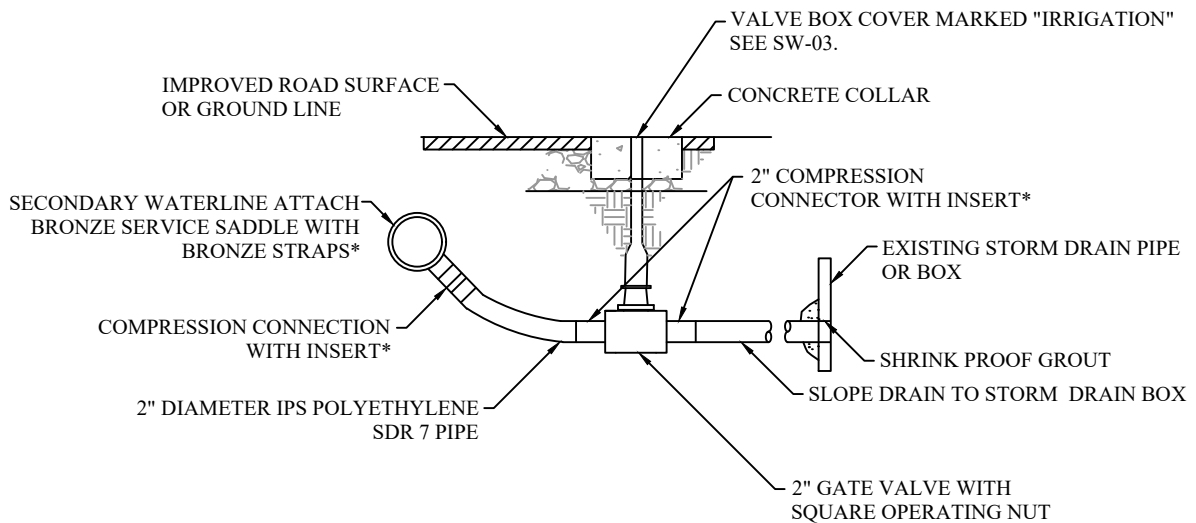
HERRIMAN CITY
ENGINEERING DEPARTMENT
SECONDARY WATER
SECONDARY WATER SERVICE

SW-01

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



4" AND LARGER DRAIN VALVE DETAIL



2" DRAIN VALVE DETAIL

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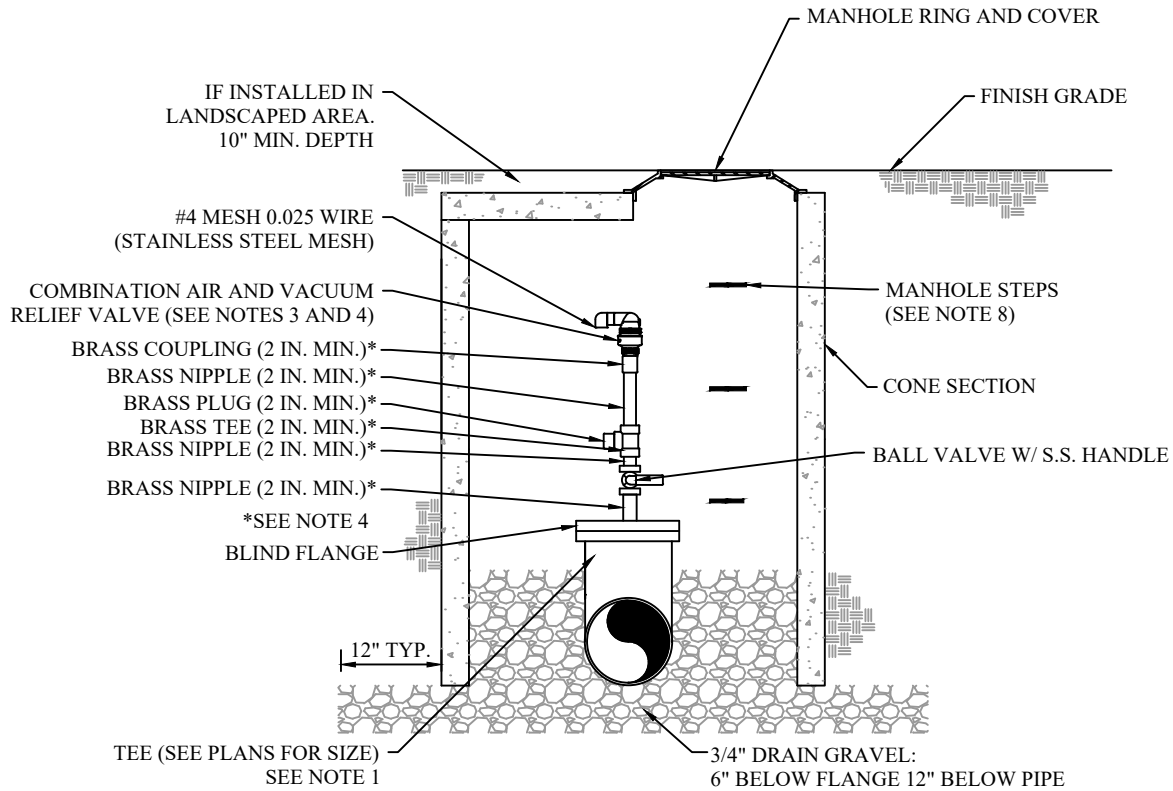
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HERRIMAN CITY ENGINEERING DEPARTMENT SECONDARY WATER DRAIN DETAIL	SW-02
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***REFER TO PARTS LIST ON SW-PL FOR APPROVED PARTS MODELS.**



NOTES:

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

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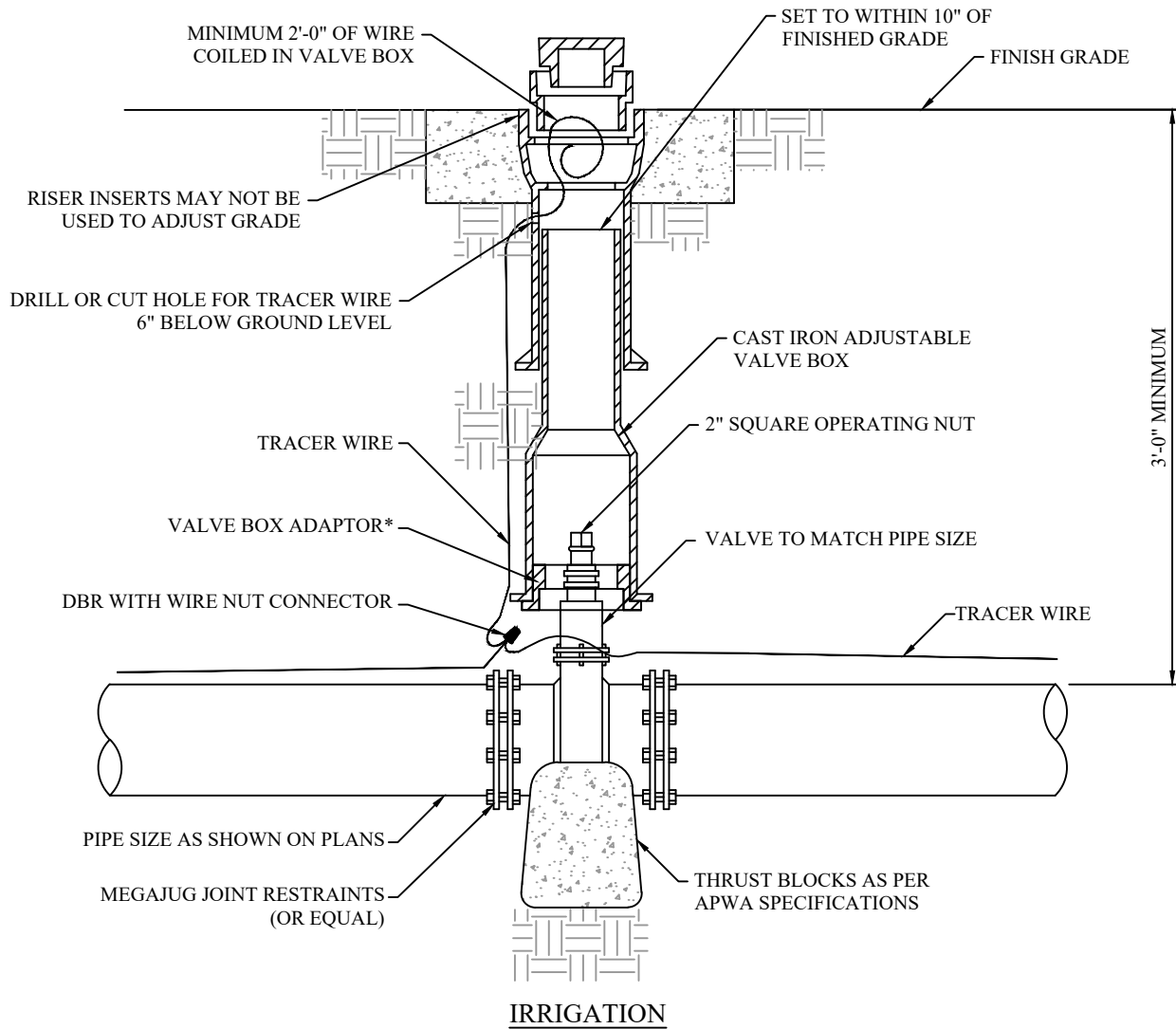
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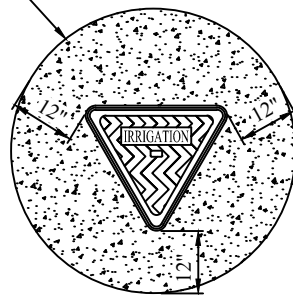
HERRIMAN CITY
ENGINEERING DEPARTMENT
SECONDARY WATER
SW AIR COMBINATION VALVE & ASSEMBLY

SW-02A

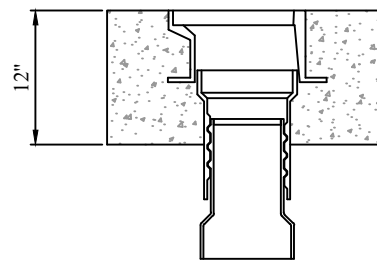
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38" DIAMETER



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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HERRIMAN CITY
ENGINEERING DEPARTMENT
 SECONDARY WATER
 IRRIGATION VALVE

SW-03

HERRIMAN CITY APPROVED SECONDARY WATER EQUIPMENT LIST

EQUIPMENT TYPE	Model
MJ Water Valve Connection Joint Restraints	EBAA Iron MEGALUG, Tyler TUFgrip, Star Fittings USA
Gate Valves 3 Inches and Larger	Mueller Gate Valve or Resilient Seat Gate Valve
Control Valve	#
Combination Air Valve	A.R.I. D-040 or approved equal
Swing Check Valves (2-inch to 24-inch)	Mueller Swing-Type
Globe Check Vavle (2-inch to 24-inch)	VAL-MATIC model #VM:1400A/1800-S
Control Valves	CLA-VAL
Combination Valves	A.R.I. D-040
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)	Mueller B-25008N, for up to 1-inch service line
1" Corporation Stop Coupling Adapter	Ford-C86-66 Mueller B-25005
Meter (1" to 2" meters)	Neptune model
1" Meter Box	Ford # LYLBB111-444-C14787-001-NL A.Y. McDonald # 77k409BBGG 443X206
1 1/2" Meter Box	Ford # FPMB-7-T-#####-###-NL
2" Meter Box	Ford # FPMB-7-T-95015-030-NL
Compression Connection with insert	Mueller 110 Compression w/ insert
Compression fittings	Ford C-16-44 Mueller 15454 Ford Q w/ insert connector
Connection with insert	Mueller 110 Compression w/ Insert Ford Q w/ insert connector
2" connector with insert	Mueller 110 Compression w/ insert Ford C-86-77 w/ insert connector

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NO.	REVISION DESCRIPTION	DATE		

HERRIMAN CITY APPROVED SECONDARY WATER EQUIPMENT LIST

EQUIPMENT TYPE	Model
Underground Packaged Pressure Reducing Station	Per Specification 33 12 18
Reduced Pressure Preventer	#
Synthetic Rubber Hose	#
Hose Coupling System	#
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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				HERRIMAN CITY ENGINEERING DEPARTMENT CULINARY WATER	SW-PL2
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