

**NOTES:**

- PAVEMENT SECTION FOR NEWLY CONSTRUCTED ROADS SHALL BE PER APPROVED ROADWAY CONSTRUCTION PLANS.
- DENSITY TEST REQUIREMENTS: ONE TEST PER 150 LINEAR FEET OF TRENCH WITH A MINIMUM OF TWO TESTS PER ROAD CROSSING. TEST RESULTS MUST BE SUBMITTED TO SALT LAKE COUNTY ENGINEERS OFFICE WITHIN 24 HOURS, AND IN NO CASE MAY THE TRENCH BE PAVED PRIOR TO APPROVAL FROM A SALT LAKE COUNTY BUILDING INSPECTOR.
- TRACER WIRE IS TO BE RAN INTO THE METER BOX OF EACH SERVICE LATERAL AND SHALL BE RAN TO EACH FIRE HYDRANT.
- OPEN ENDS OF PIPE SHALL BE COVERED DURING THE INSTALLATION PROCESS
- THE DISTRICT, AT ITS SOLE DISCRETION, MAY REQUIRE BURY DEPTHS OTHER THAN WHAT IS IDENTIFIED ABOVE. BURY DEPTHS ARE A FUNCTION OF ELEVATION, LOCATION, WATER DEMAND, AND PROXIMITY TO OTHER UTILITIES.

**TYPICAL CULINARY WATER MAIN/LATERAL TRENCH DETAIL**

NTS

CAD	
DESIGNER	
DATE	12/2021
REV	
PROJECT NO.	



**Salt Lake County Service Area #3**  
**P.O. Box 920067 Snowbird, UT 84092**

**STANDARD DETAIL**  
**TRENCH IN ROADWAY**

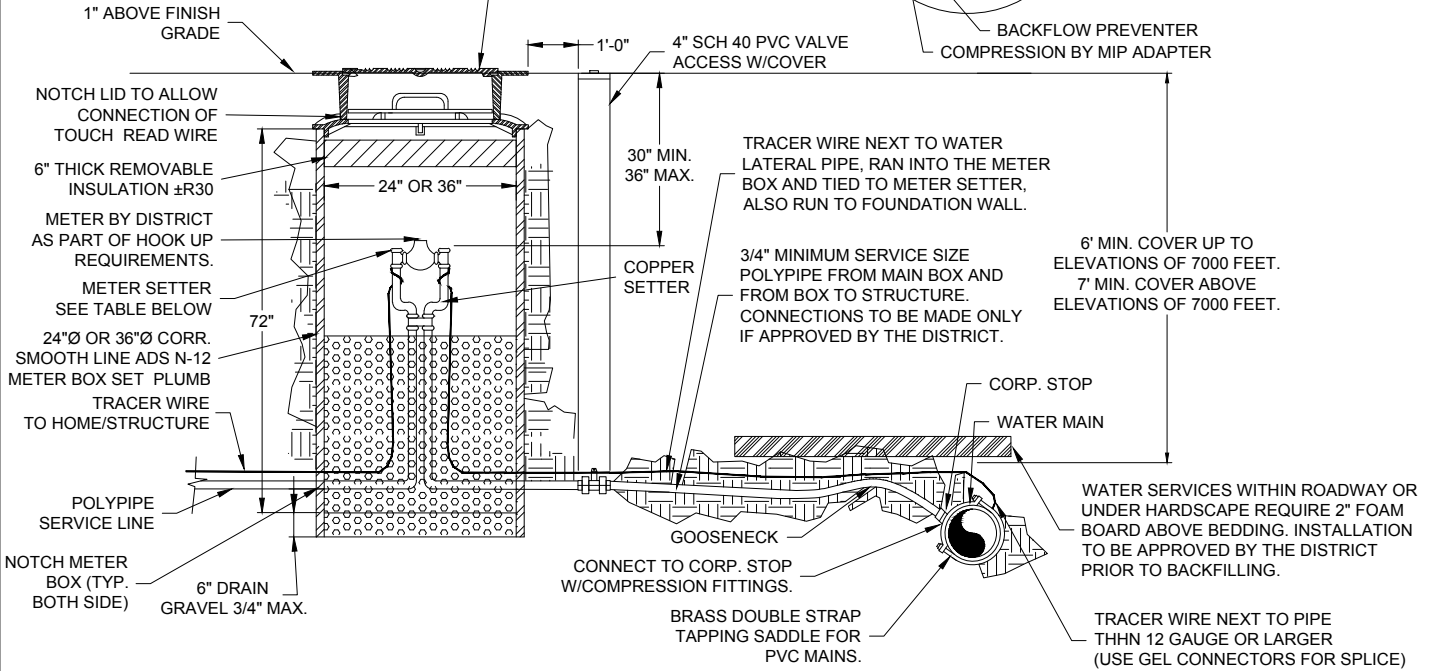
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**1**

**DUAL METER APPLICATION**

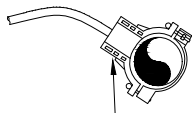
\*METER SHALL NOT BE LOCATED WITHIN PAVEMENT OR HARDCAPED AREAS

\* ANY REQUESTS FOR A METER LARGER THAN 1" MUST BE ACCOMPANIED BY A PROPOSAL SUBMITTED TO THE DISTRICT. PROPOSAL MUST INCLUDE PROPOSED BACKFLOW PREVENTION.

FROST FREE LID ASSEMBLY:  
D & L SUPPLY L-2320 WITH 1-2"Ø HOLE FOR TOUCH READ SET TO GRADE (2 HOLES FOR DUAL METER PITS) (NO PONDING AROUND LID ALLOWED)  
\* SEPARATE POLY LID NICOR - 21" LID WITH WORM GEAR BADGER RECESS AND THROUGH HOLE



WATER METER SETTER			
APPLICATION	METER SIZE	DUAL CHECK	FORD MODEL #
RESIDENTIAL	3/4" X 3/4"	YES	VBHC-82-12W-11-33NL
RESIDENTIAL	1" X 1"	YES	VBHC-84-12W-11-44NL



FRIALEN VA-TL ELECTRO-FUSED SADDLE CONNECTION (OR HDPE STAINLESS SADDLE APPROVED BY THE DISTRICT) & CORPORATION STOP FOR HIGH-DENSITY POLYETHYLENE (HDPE) MAINS.

**NOTES:**

- METER BOX SHALL BE SET PLUMB.
- THREADS ON SERVICE CLAMP SHALL MATCH THREADS ON CORPORATION STOP.
- METERS ARE TO BE INSTALLED IN AN APPROVED LANDSCAPED AREA; NOT IN SIDEWALK, ASPHALT OR DRIVEWAY, UNLESS FIRST APPROVED BY THE DISTRICT.
- NO SWEAT FITTINGS OR SILVER SOLDERED FITTINGS ARE ALLOWED. NO SPLICES ARE ALLOWED BETWEEN MAIN LINE AND METER SETTER.
- COMPRESSION TYPE CONNECTIONS TO BE USED UNLESS APPROVED BY THE DISTRICT.
- BY-PASS DEVICES SHALL NOT BE USED ON RESIDENTIAL SERVICES.
- TAPS TO EXISTING MAIN LINES SHALL BE PERFORMED BY CONTRACTOR AND WITNESSED BY THE DISTRICT.
- TRACER WIRE SHALL BE RAN INTO EVERY METER BOX AND TIED TO METER SETTER AND CONTINUED TO HOME/STRUCTURE. ALL SPLICES OF TRACER WIRE SHALL BE CONNECTED WITH A GREASE FILLED CONNECTOR.
- ALL CONNECTIONS SHALL HAVE THERMAL EXPANSION CONTROL AS OUTLINED IN 1997 INTERNATIONAL PLUMBING CODE SECTION 607.3

**RELOCATED METERS**

EXISTING LID, BOX, METER AND SETTER TO BE RELOCATED TO LOCATIONS SHOWN ON PLANS. CONNECTION TO THE SUPPLY MAIN, CORP. STOP, AND SERVICE PIPING FROM THE MAIN TO THE METER, AND FROM THE METER TO THE OWNERS PIPING TO BE PROVIDED BY THE CONTRACTOR MAKING SERVICE COMPLETE AND OPERATIONAL. AT THE OPTION OF THE DISTRICT, NEW COMPONENTS OF THE LID, BOX, METER OR SETTER MAY BE PROVIDED IN WHICH THE NEW COMPONENTS SHALL BE USED AS PART OF THE RELOCATION CONNECTION.

**NEW METERS**

NEW METERS SHALL BE INSTALLED AT THE LOCATIONS SHOWN ON THE PLANS. THE LID, BOX, AND SETTER WILL BE PROVIDED BY THE CONTRACTOR. CONNECTION TO THE SUPPLY MAIN, CORP. STOP, AND SERVICE PIPING FROM THE METER ON TO THE OWNERS PROPERTY SHALL BE PROVIDED BY THE CONTRACTOR.

**TYPICAL 3/4" AND 1" SERVICE DETAIL**

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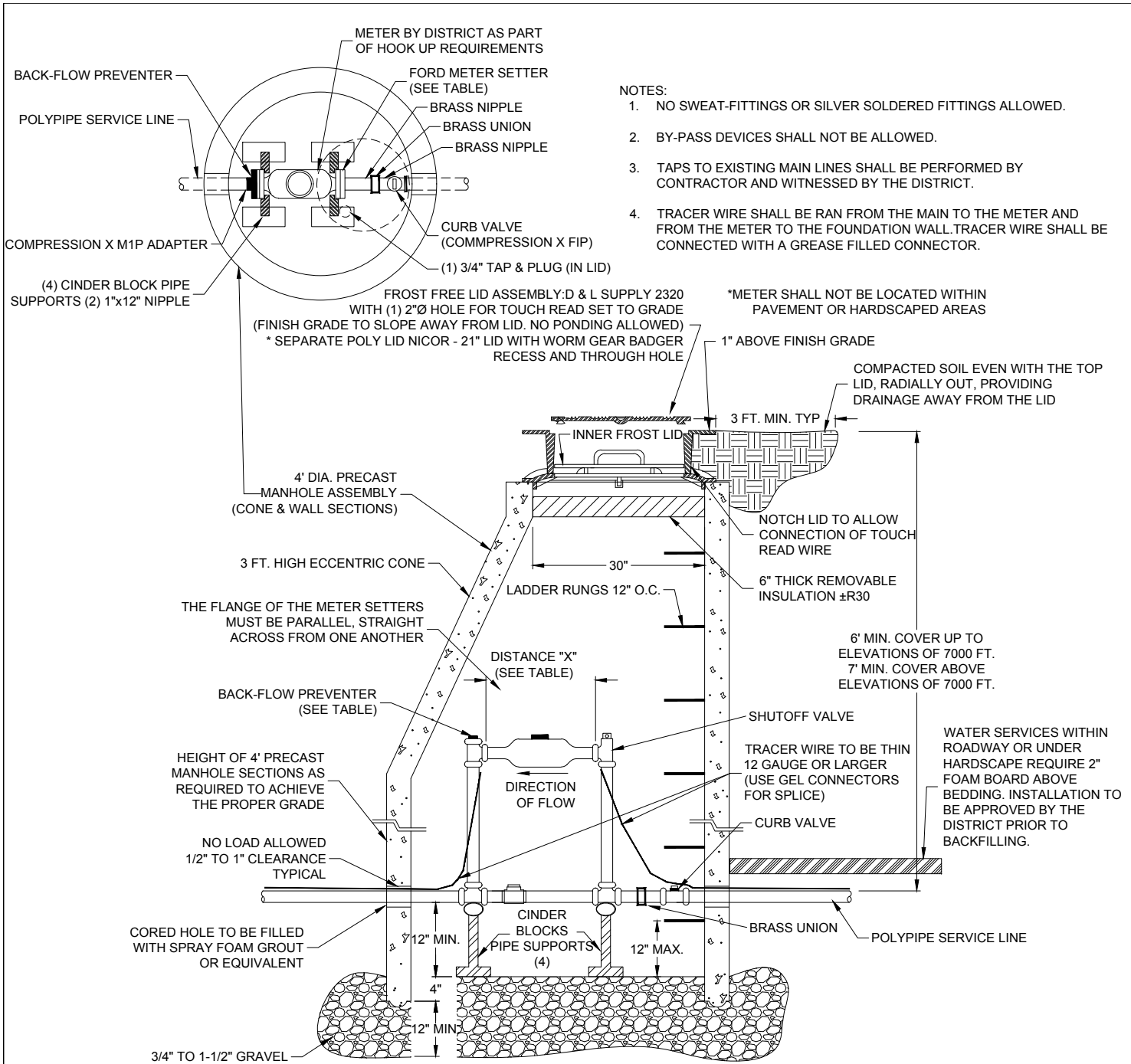
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**Salt Lake County Service Area #3**  
**P.O. Box 920067 Snowbird, UT 84092**

**STANDARD DETAIL**  
**WATER SERVICE**

DRAWING NO.  
**2**



- NOTES:
1. NO SWEAT-FITTINGS OR SILVER SOLDERED FITTINGS ALLOWED.
  2. BY-PASS DEVICES SHALL NOT BE ALLOWED.
  3. TAPS TO EXISTING MAIN LINES SHALL BE PERFORMED BY CONTRACTOR AND WITNESSED BY THE DISTRICT.
  4. TRACER WIRE SHALL BE RAN FROM THE MAIN TO THE METER AND FROM THE METER TO THE FOUNDATION WALL. TRACER WIRE SHALL BE CONNECTED WITH A GREASE FILLED CONNECTOR.

\* ANY REQUESTS FOR A METER LARGER THAN 1" MUST BE ACCOMPANIED BY A PROPOSAL SUBMITTED TO THE DISTRICT. PROPOSAL MUST INCLUDE PROPOSED BACKFLOW PREVENTION.  
 1.5" AND 2" METER SETTERS SHALL BE INSTALLED WITH A LOCKABLE BYPASS VALVE FOR MAINTENANCE PURPOSES.

WATER METER SETTER		
METER SIZE	METER SETTER - FORD MODEL #	DISTANCE "X"
1 1/2"	VH76-21-11-66NL	13-1/8" ± 1/8"
2"	VH77-21-11-77NL	17-1/8" ± 1/8"

**1 1/2" and 2" METER AND VAULT**  
 NTS

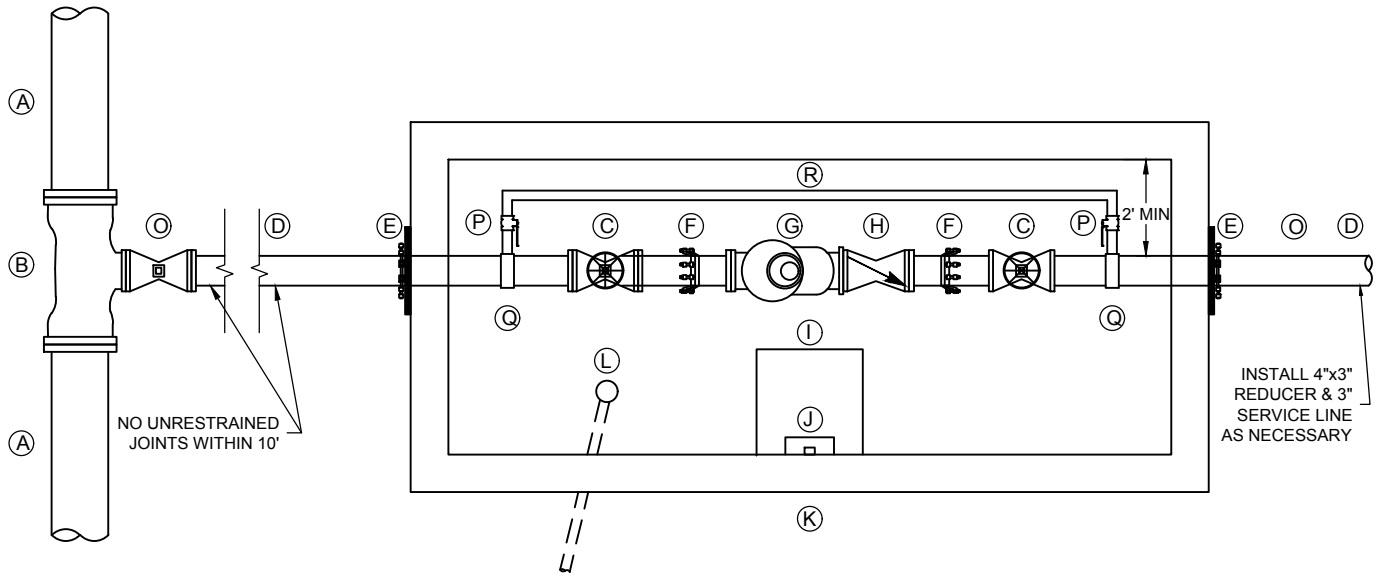
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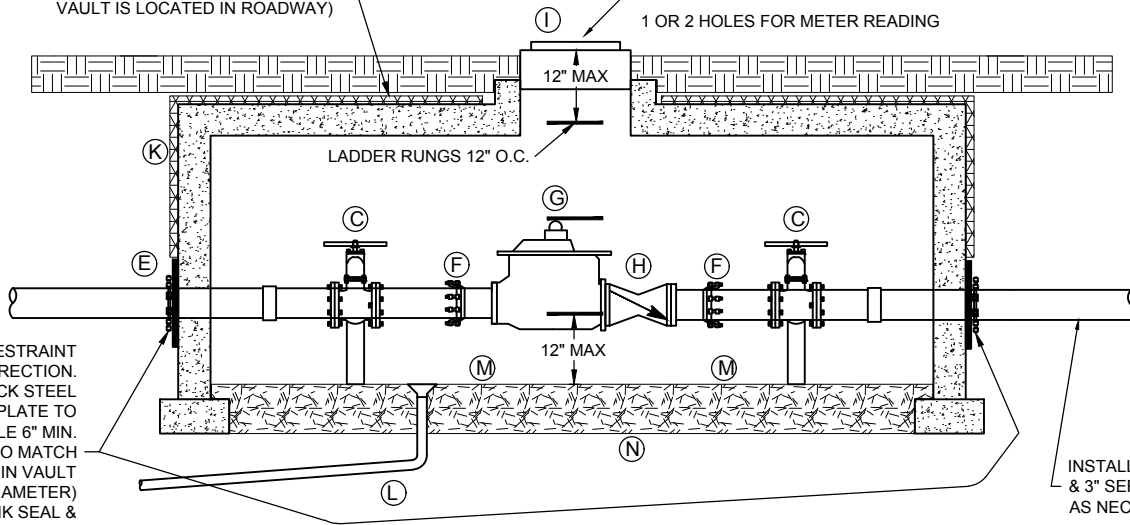
**STANDARD DETAIL**  
**1 1/2" & 2"**  
**WATER METER**

DRAWING NO.  
**3**



APPLY 2" MIN. CLOSED CELL INSULATION  
(CHAMBER TOP SECTION ONLY WHEN  
VAULT IS LOCATED IN ROADWAY)

H-20 RATED FRAME AND COVER MARKED "WATER"  
WITHIN ROADWAY OR HARDSCAPE AREA AND FROST  
FREE ASSEMBLY IN LANDSCAPED AREAS - D&L 2320 24"



INSTALL MEGALUG RESTRAINT  
IN PROPER DIRECTION.  
INSTALL 1" THICK STEEL  
PLATE. EDGE OF PLATE TO  
OVERLAP CORE HOLE 6" MIN.  
PLATE OPENING TO MATCH  
PIPE OD. CORE HOLE IN VAULT  
WALL (MINIMIZE DIAMETER)  
FILL GAP WITH LINK SEAL &  
GROUT GAP AT EDGE OF WALL  
WITH NON-SHRINK GROUT

INSTALL 4"x3" REDUCER  
& 3" SERVICE LINE  
AS NECESSARY

- |   |   |
|---|---|
| (A) WATER MAINLINE SIZE VARIES                    | (J) LADDER RUNG WITH LADDER UP                        |
| (B) TEE (MAINLINE SIZE x 3" OR 4")                | (K) CONCRETE BOX APPROX. 5'x9'                        |
| (C) 3" OR 4" GATE VALVE WITH WHEEL                | (L) 4" PVC DRAINLINE TO DAYLIGHT OR SUMP PUMP (POWER) |
| (D) 3" OR 4" SERVICE LINE                         | (M) PIPE SUPPORTS                                     |
| (E) WALL RESTRAINT/LINK SEAL                      | (N) GRAVEL FLOOR INSIDE METER BOX                     |
| (F) FLANGE x M.J. ADAPTER                         | (O) 3" OR 4" GATE VALVE WITH VALVE BOX & NUT          |
| (G) METER BY THE DISTRICT                         | (P) 1.5" LOCKABLE CURB STOP                           |
| (H) 3" OR 4" CHECK VALVE                          | (Q) 3" OR 4"x1.5" SADDLE                              |
| (I) HATCH OR APPROVED LID (DIRECTLY ABOVE LADDER) | (R) 1.5" BYPASS LINE                                  |

### TYPICAL 3" AND 4" SERVICE DETAIL

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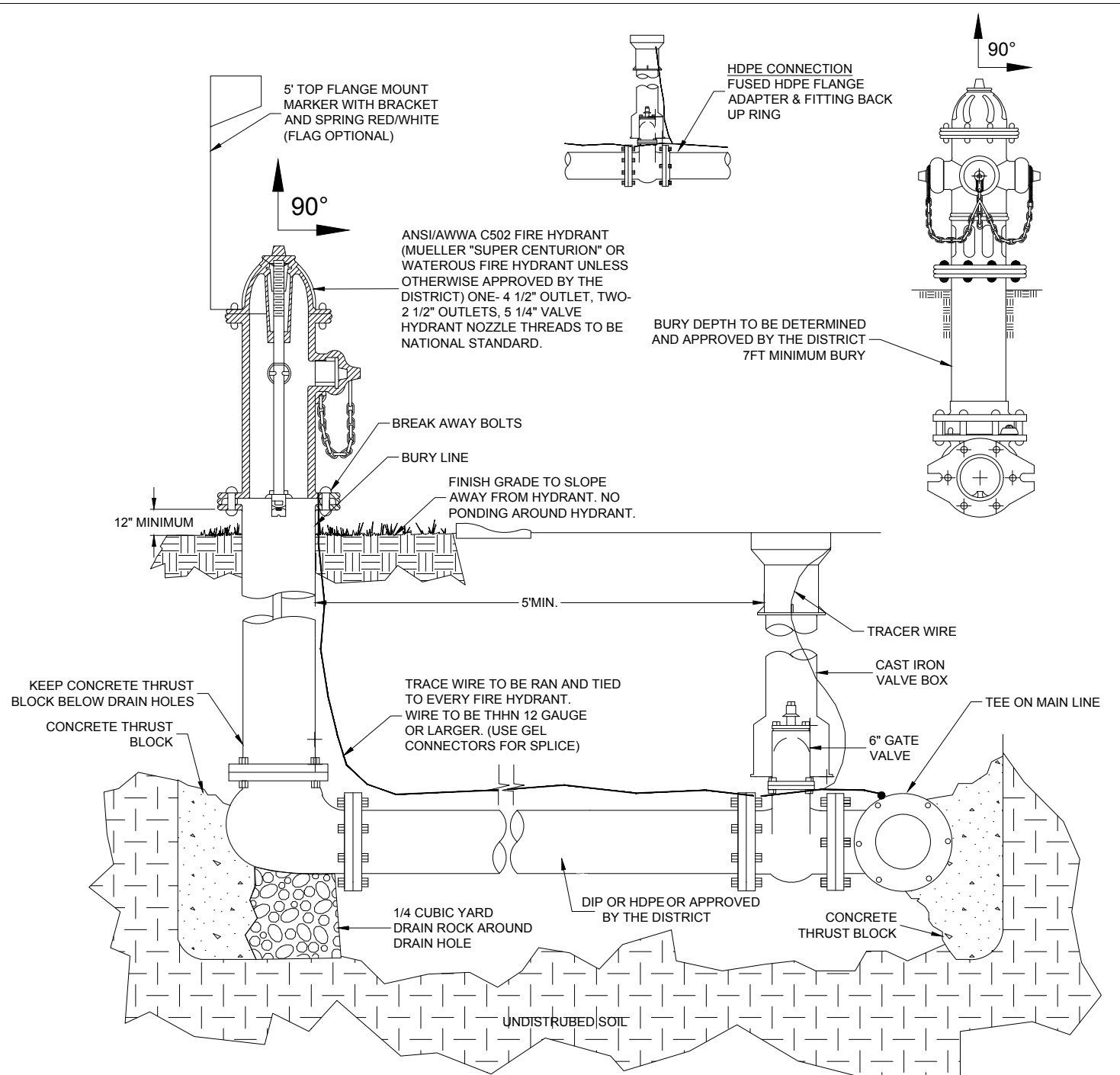
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Salt Lake County Service Area #3  
P.O. Box 920067 Snowbird, UT 84092

STANDARD DETAIL  
3" OR 4" METER

DRAWING NO.  
4



- NOTES:**
1. LOCATION OF HYDRANT AND TEE ON WATER MAINLINE SHALL BE DETERMINED BY THE DISTRICT
  2. HYDRANT SHALL STAND PLUMB WITH PUMPER NOZZLE FACING THE STREET.
  3. VALVE TO BE PLACED IN ASPHALT WITH CONCRETE RING.
  4. TRACER WIRE TO BE ATTACHED TO HYDRANT VALVE.
  5. HYDRANT AND FITTINGS TO BE POLY WRAPPED.
  6. ALL BOLTS SHALL BE FREE OF CONCRETE AND FULLY ACCESSIBLE
  7. DO NOT COVER BARREL DRAIN W/ DIRT OR CONCRETE, USE GRAVEL.

**FIRE HYDRANT DETAIL**

NTS

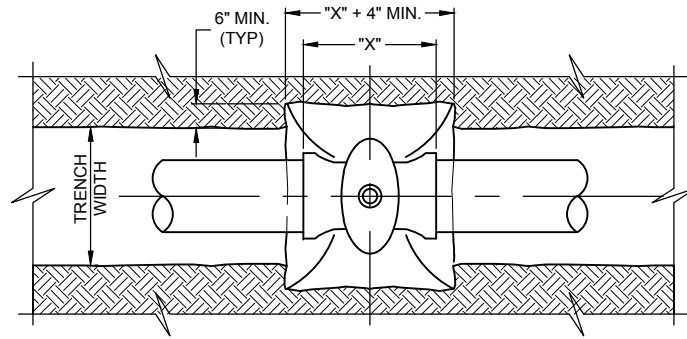
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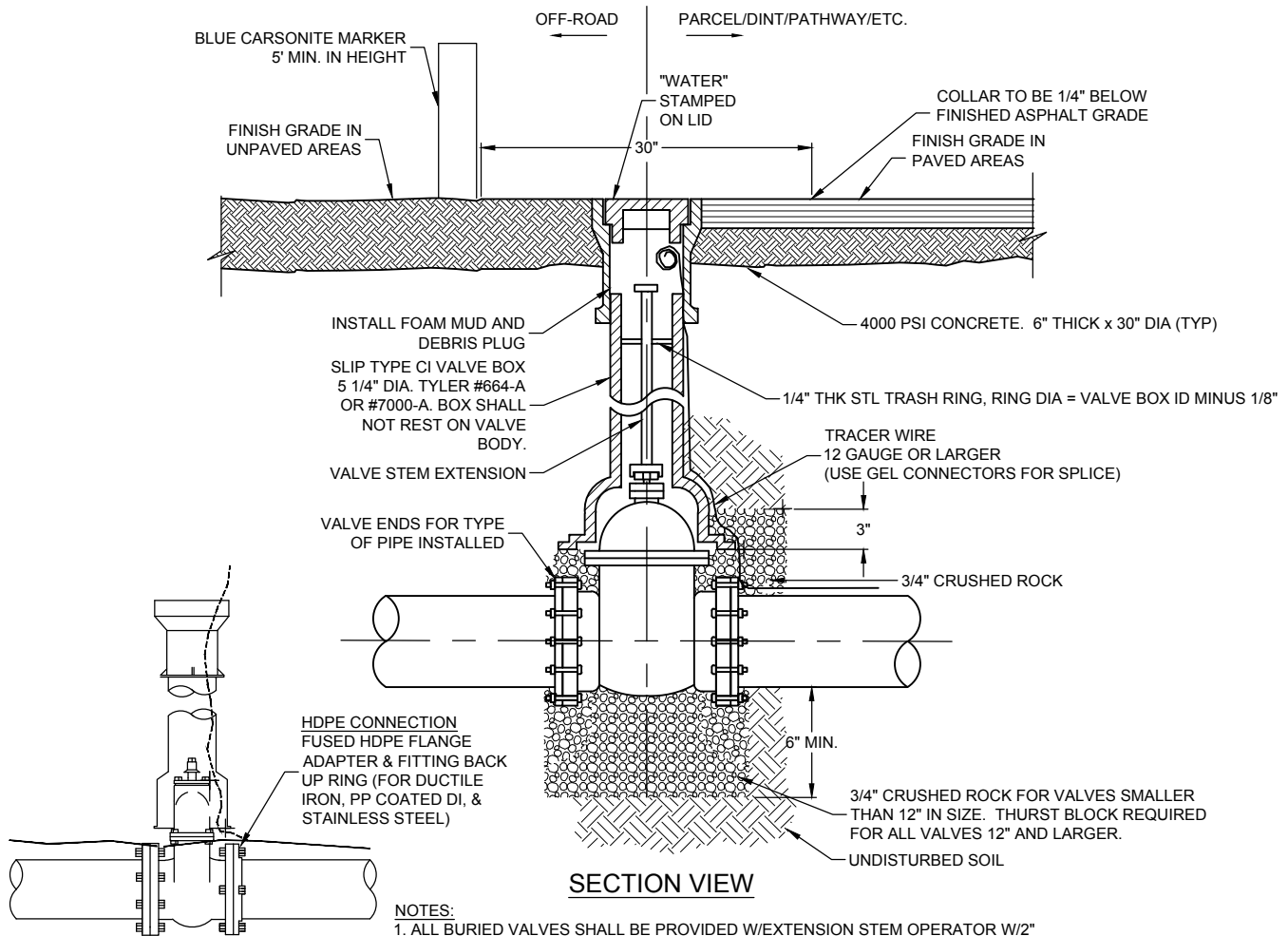
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**STANDARD DETAIL**  
**FIRE HYDRANT**

DRAWING NO.  
**5**



**VALVE PLAN VIEW**



**SECTION VIEW**

**NOTES:**

1. ALL BURIED VALVES SHALL BE PROVIDED W/EXTENSION STEM OPERATOR W/2" SQ AWWA NUT WITHIN 4' OF VALVE BOX COVER.
2. CLEAN VALVE BOX OF ALL DEBRIS & SOIL.
3. VALVE BOX TO BE SET PLUMB AND CENTERED ABOVE VALVE NUT.
4. ALL VALVES SHALL BE FURNISHED WITH RESTRAINT COLLARS.
5. VALVE SPACING NOT TO EXCEED 800' WITHOUT PRIOR APPROVAL BY THE DISTRICT.

**TYPICAL VALVE WITH BOX AND VALVE BOX COLLAR DETAIL**

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**STANDARD DETAIL**  
**VALVE BOX &**  
**VALVE BOX COLLAR**

DRAWING NO.  
**6**

NOTES:  
 SECURE AN INSPECTION OF PREPARATION PRIOR TO POURING THRUST BLOCK.

SECURE AN INSPECTION PRIOR TO BACKFILLING. ALL WORK MUST BE INSPECTED PRIOR TO BACKFILLING.

THRUST BLOCKS MUST BE POURED AGAINST UNDISTURBED SOIL OR APPROVED COMPACTED BACKFILL.

ALL PIPE JOINTS MUST BE LEFT ACCESSIBLE. ALL FITTINGS ADJACENT TO THRUST BLOCKS SHALL BE WRAPPED WITH 8 MIL. THICK POLYETHYLENE SHEET AND TAPE WRAP.

CONCRETE MUST BE ALLOWED TO CURE FOR 5 DAYS PRIOR TO PRESSURIZING WATER LINES.

CONCRETE MUST HAVE A MINIMUM OF 3000 P.S.I. COMPRESSIVE STRENGTH IN 28 DAYS.

THRUST BLOCKS MUST BE POURED AS CLOSE AS POSSIBLE TO THE CONFIGURATION SHOWN.

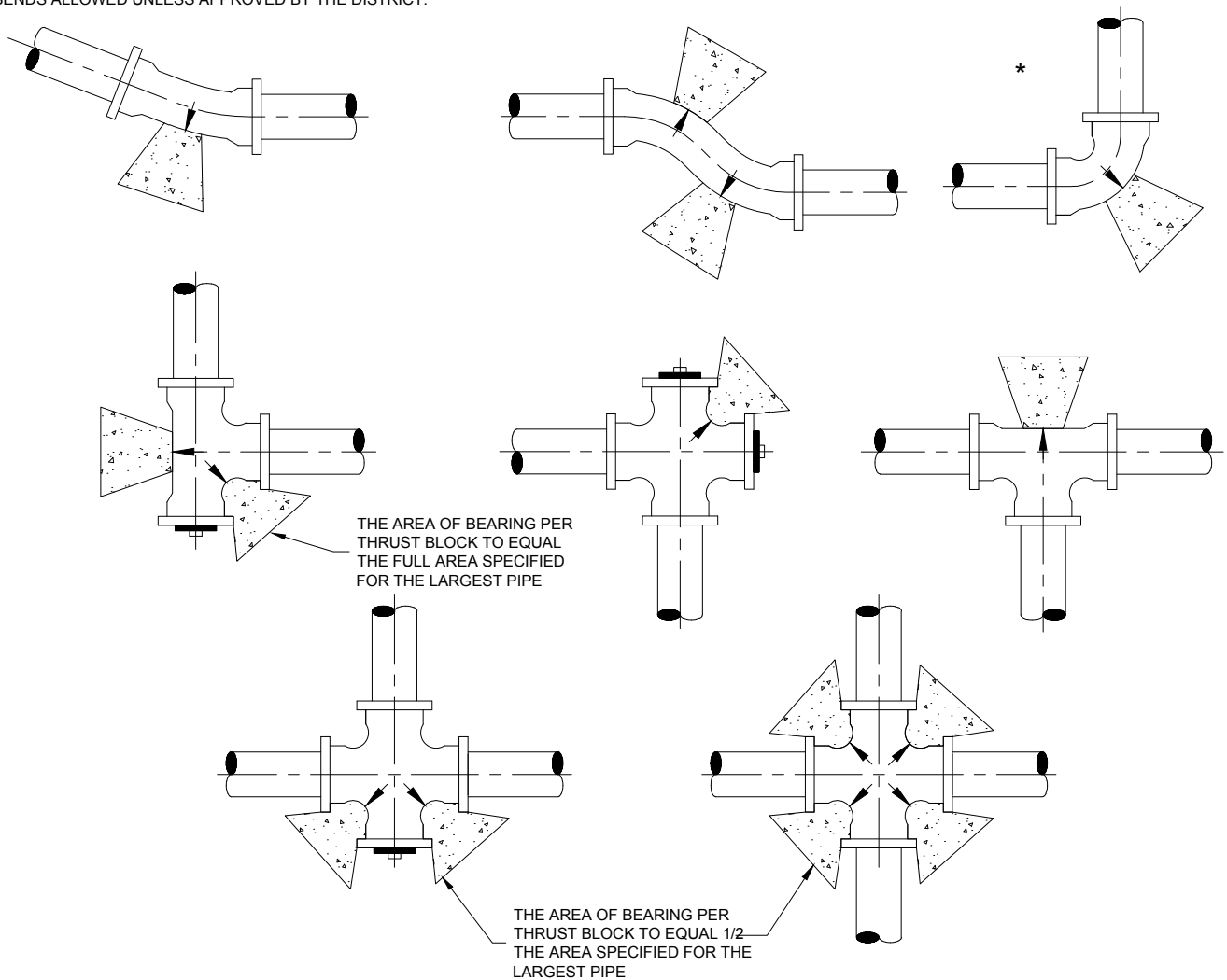
BEARING AREAS FOR HORIZONTAL BEND THRUST BLOCKS ARE BASED ON TEST PRESSURE OF 200 P.S.I. AND AN ALLOWABLE SOIL BEARING STRESS OF 2000 LBS./SQ.FT. COMPUTATIONS OF BEARING AREAS SHALL BE REQUIRED FOR DIFFERENT TEST PRESSURES AND SOIL BEARING PRESSURES.

BEARING AREAS, VOLUMES, AND SPECIAL BLOCKING DETAILS SHOWN ON PLANS TAKE PRECEDENCE OVER THIS STANDARD.

BEARING AREAS FOR PIPE SIZES OR CONFIGURATIONS NOT SHOWN REQUIRE A SPECIAL DESIGN.

\* NO 90°BENDS ALLOWED UNLESS APPROVED BY THE DISTRICT.

MINIMUM BEARING AREA IN SQ.FT.					
PIPE SIZE	TEES, VAL DEAD END	*90 BEND	45 BEND	22.5 BEND	11.25 BEND
4"	2	3	2	2	2
6"	4	5.5	3	2	2
8"	6.5	9.5	5	3	2
10"	10	14	8	5	3
12"	14	20	11	6	3
14"	19	26.5	14.5	7.5	4
16"	24	34	18.5	9.5	6



**DIRECT BEARING HORIZONTAL THRUST BLOCKS DETAIL**

NTS

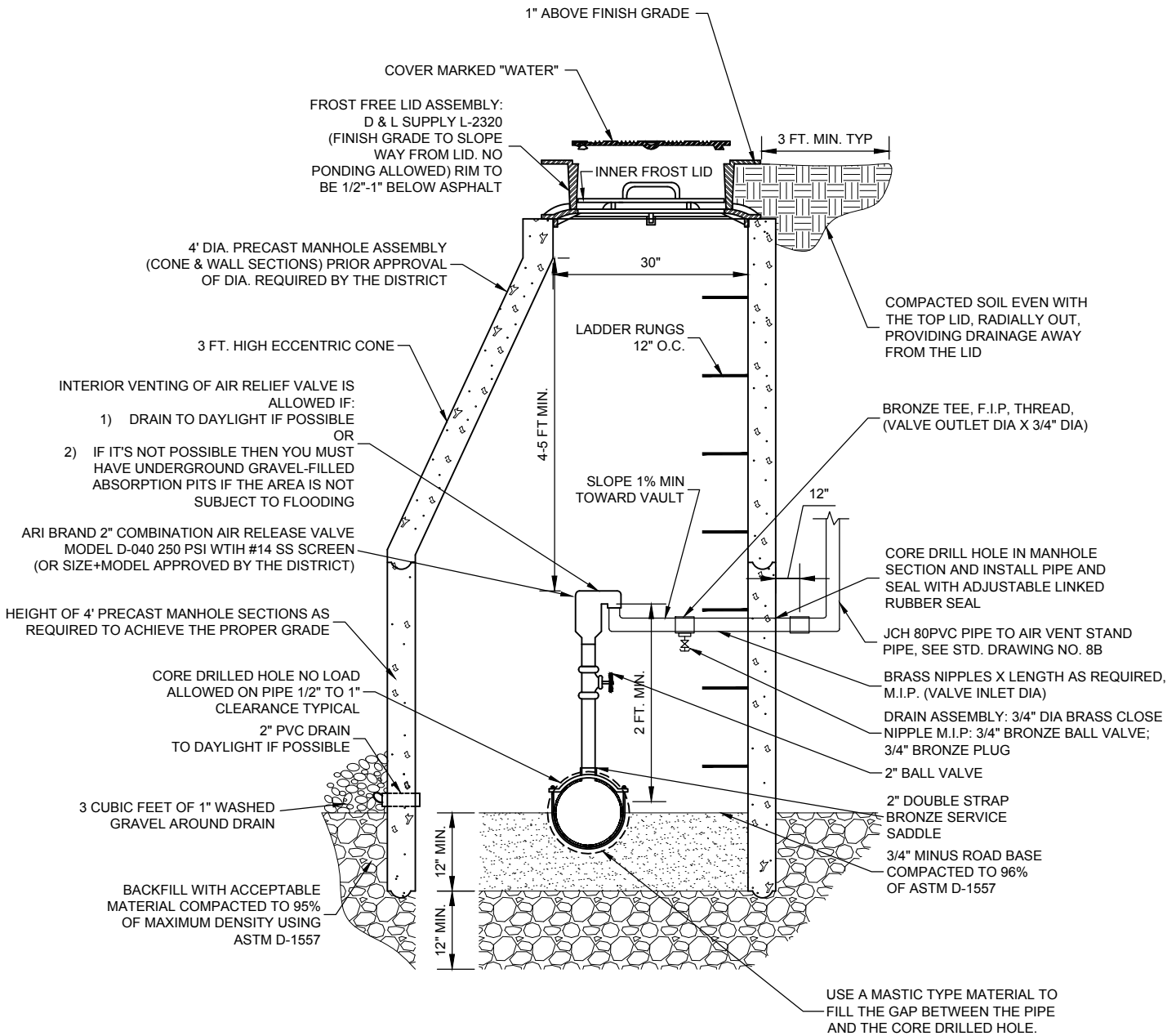
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**STANDARD DETAIL**  
**HORIZONTAL**  
**THRUST BLOCK**

DRAWING NO.  
**7**



**TYPICAL COMBINATION AIR RELEASE VALVE DETAIL**

NTS

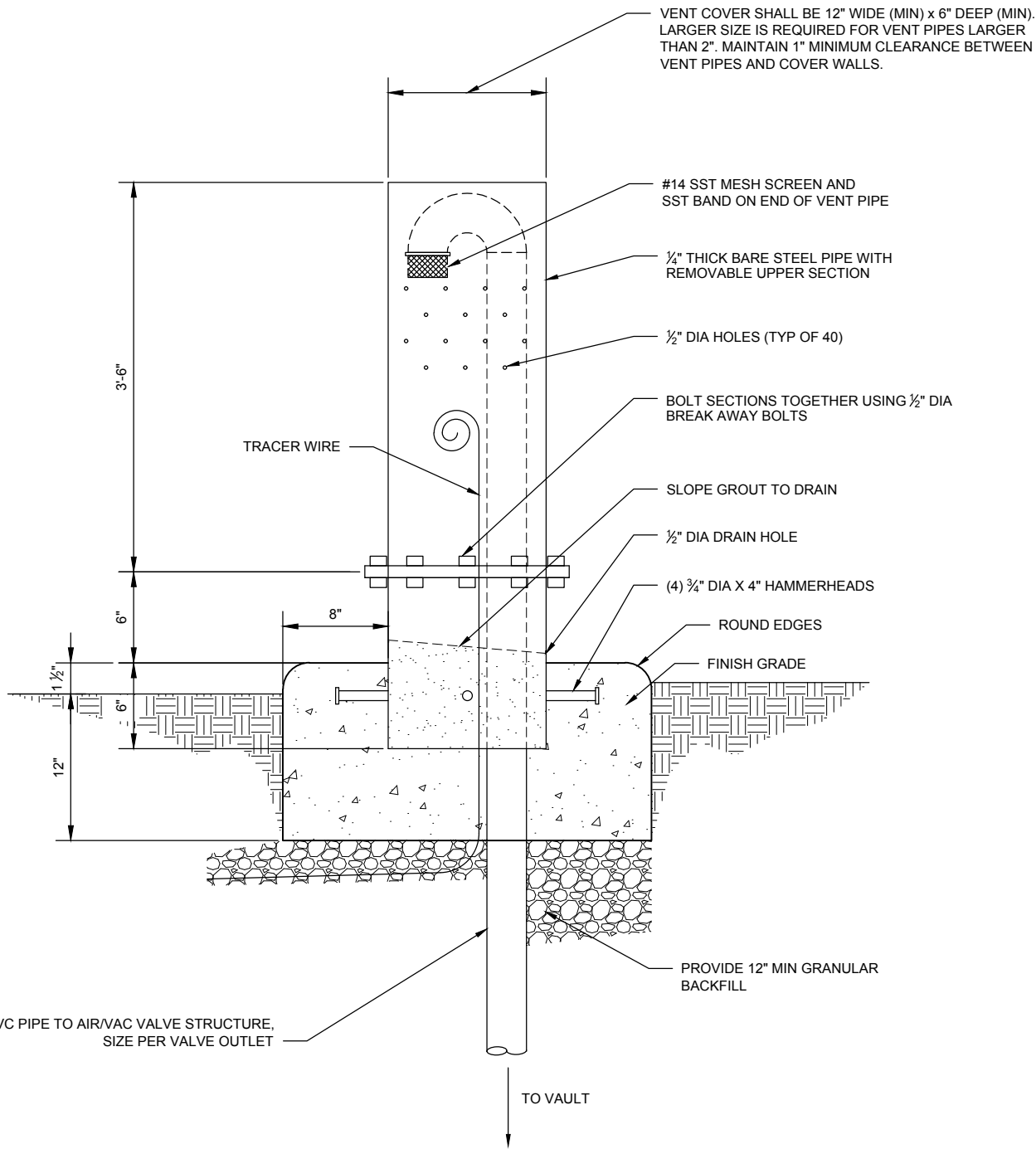
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**STANDARD DETAIL**  
**AIR RELIEF**

DRAWING NO.  
**8**



**NOTES:**

1. LOCATE VENT AS SHOWN ON APPROVED PLANS, 1'-6" MINIMUM BEHIND TOP BACK OF CURB / GUTTER OR SIDEWALK.

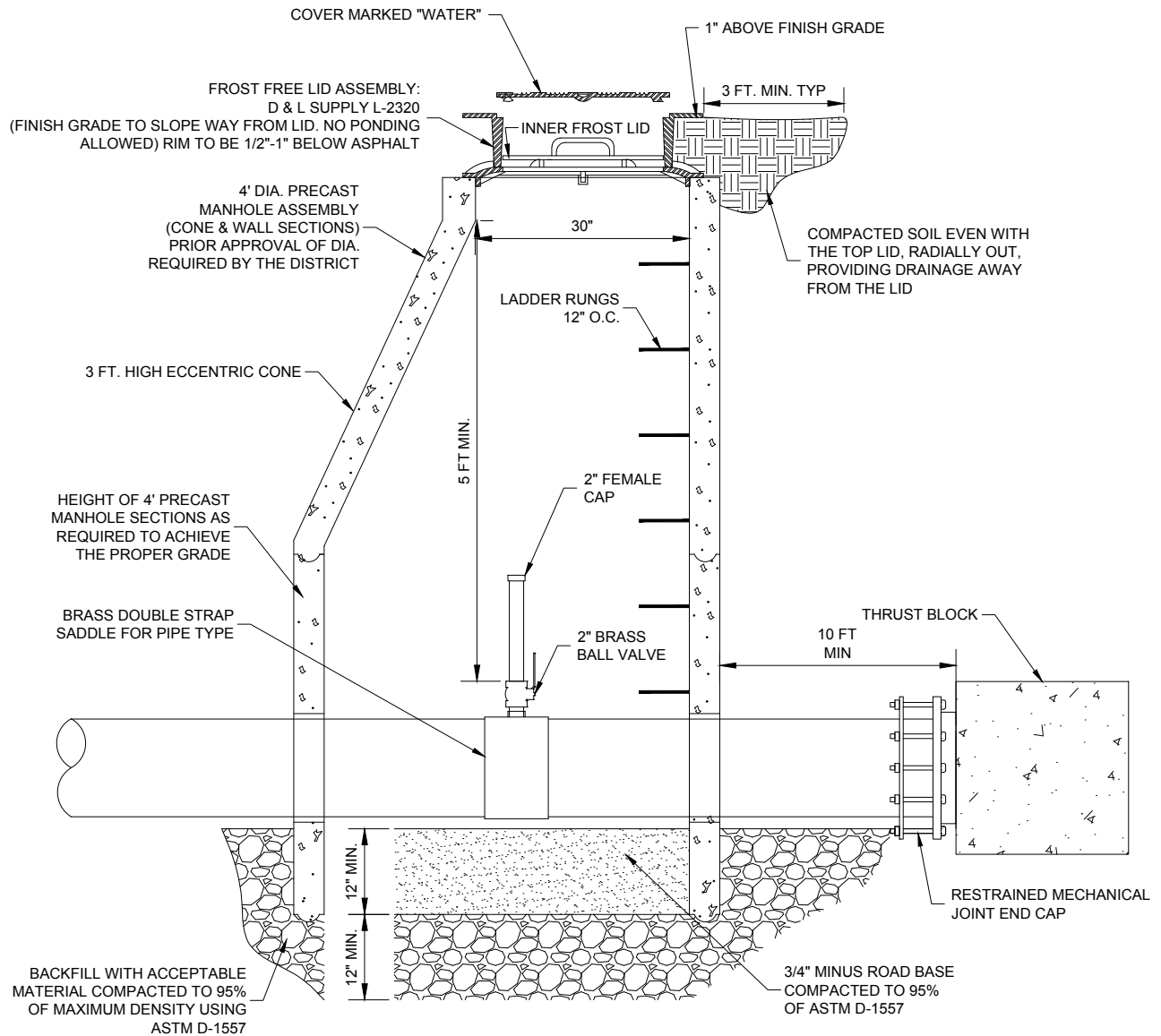
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**Salt Lake County Service Area #3**  
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**STANDARD DETAIL**  
**AIR VENT STAND PIPE**

DRAWING NO.  
**9**



## 2" WASHOUT VALVE

NTS

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



**STANDARD DETAIL**  
**DEAD END SERVICE**

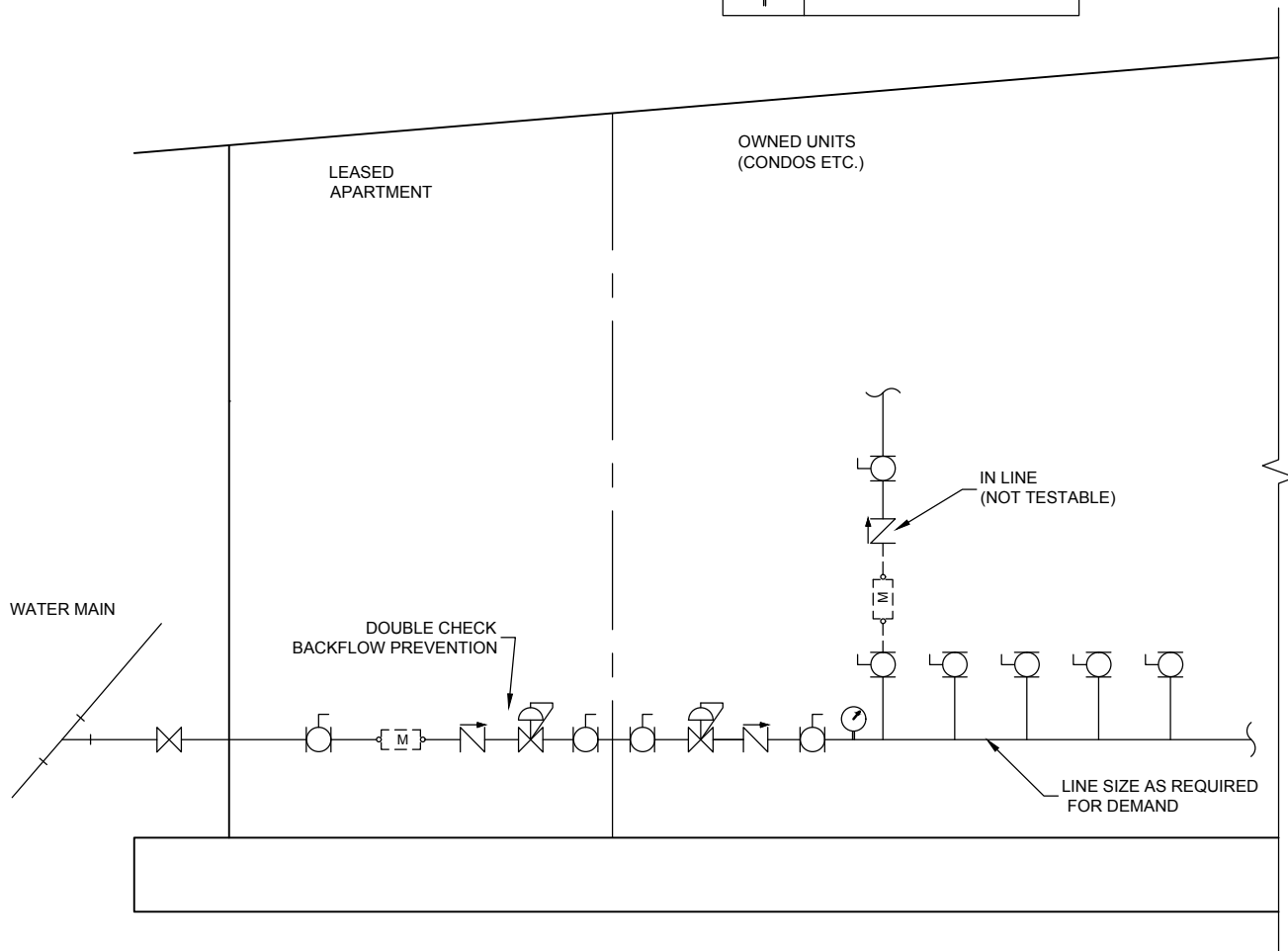
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**10**

NOTES:

- 1- METERS INSTALLED FOR CONDOS, STRAIGHT PIPE IN APARTMENTS.
- 2- INTERIOR APPURTENANCES COLLOCATED IN A TEMPERATURE CONTROLLED SPACE.
- 3- MASTER METER INSTALLED IN APARTMENT COMPLEXES SHALL BE E-SERIES OR APPROVED BY THE DISTRICT.
- 4- METER SIZE CALCULATIONS ARE TO BE SUPPLIED TO AND APPROVED BY THE DISTRICT.
- 5- ALL CONNECTIONS TO METERS SHALL BE SWIVEL-TYPE AND APPROVED BY THE DISTRICT.

LEGEND

SYMBOL	DESCRIPTION
	GATE VALVE SHUT OFF W/ NUT
	BALL VALVE
	FLOW METER
	PRESSURE REDUCING VALVE
	CHECK VALVE (TESTABLE)
	PRESSURE INDICATOR



**MULTI-FAMILY WATER SERVICE DESIGN**

NTS

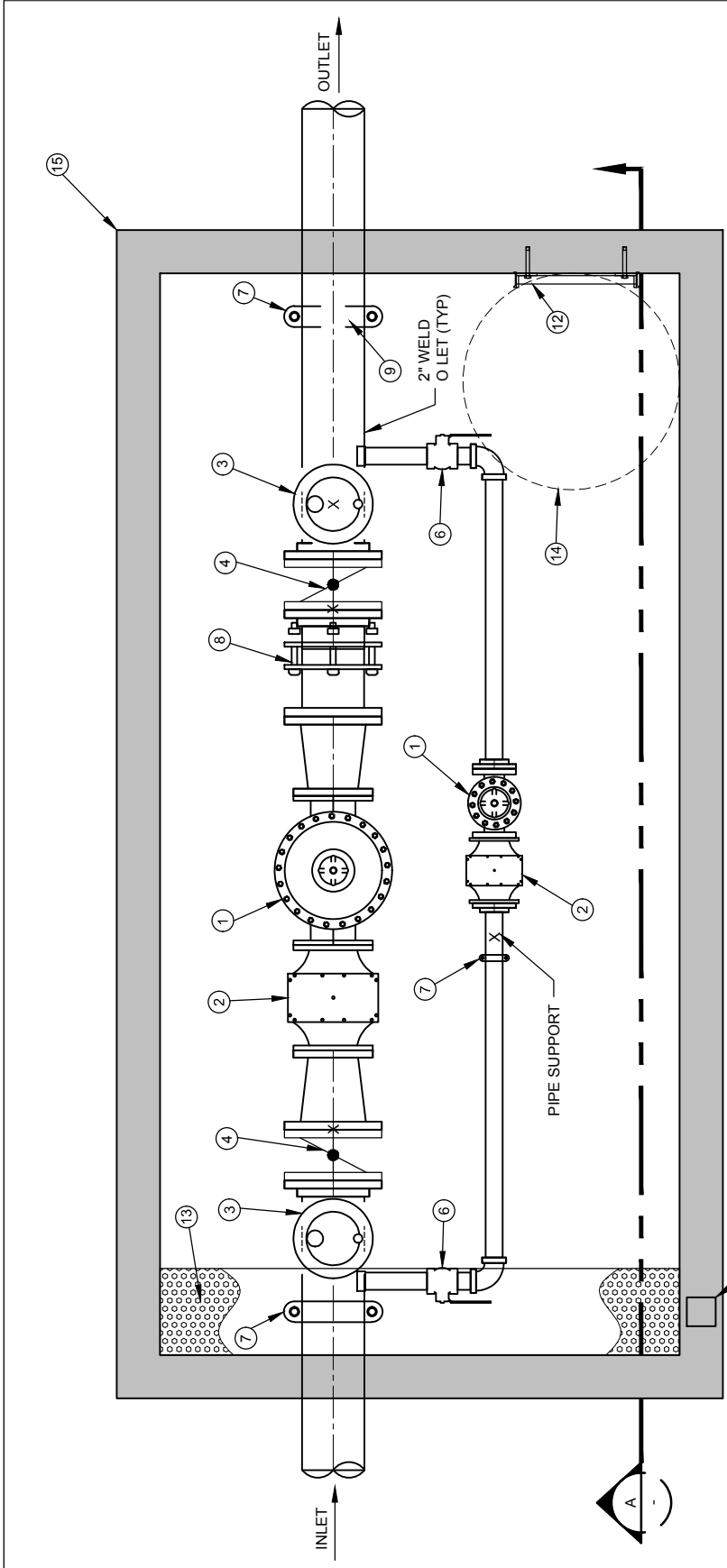
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**STANDARD DETAIL**  
**MULTI-FAMILY**  
**SERVICE**

DRAWING NO.  
**11**



**PLAN**  
SCALE: NTS

- NOTES:
- 1- PRV SHALL BE FACTORY PRE-ASSEMBLED PACKAGE BY HYDEC INC.
  - 2- PACKAGED ASSEMBLY SHALL INCLUDE PRECAST CONCRETE VAULT, PIPES, VALVES, PIPE SUPPORTS, COUPLINGS AND ALL OTHER NECESSARY APPURTENANCES.
  - 3- SIZES OF VALVES AND FITTINGS WILL BE DETERMINED FOR EACH SPECIFIC INSTALLATION.
  - 4- VAULTS SHALL BE DESIGNED FOR STANDARD H-20 LOADS WHEN LOCATED IN ROADWAY OR FOR H-20 INTERMITTENT LOADS WHERE NOT LOCATED WITHIN A ROADWAY.
  - 5- SUBMITTAL REQUIRED FOR ALL VALVING.
  - 6- FABRICATED STEEL PIPE AND FITTINGS TO BE SCHEDULE NO. 40 STEEL PIPE.
  - 7- FOR PIPE SIZES TO 10" AND 3/8" WALL FOR 12" AND LARGER.
  - 8- ALL PIPE, INSIDE WETTED SURFACES TO BE SANDBLASTED, EPOXY LINED AND COATED TO AWWA C-210 AND NSF-61 SPECIFICATION. FINISH COATING WILL BE BLUE ENAMEL.

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**Salt Lake County Service Area #3**  
**P.O. Box 920067 Snowbird, UT 84092**

**STANDARD DETAIL**  
**BELOW GRADE PRV**

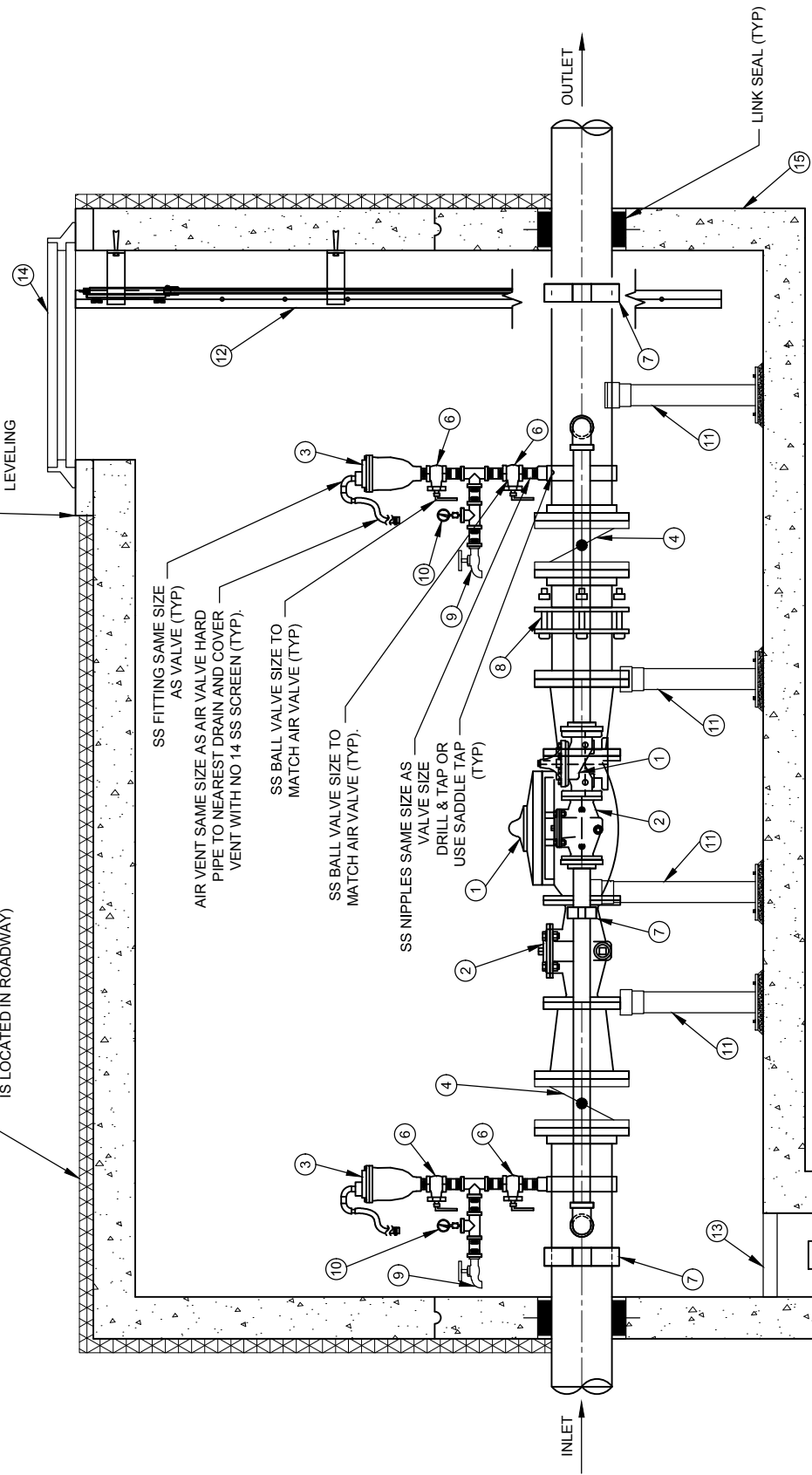
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**12A**

APPLY 2" MIN CLOSED CELL INSULATION (CHAMBER TOP SECTION ONLY WHEN VAULT IS LOCATED IN ROADWAY)

USE GRADE RINGS AS NECESSARY FOR LEVELING

SS FITTING SAME SIZE AS VALVE (TYP)  
 AIR VENT SAME SIZE AS AIR VALVE HARD PIPE TO NEAREST DRAIN AND COVER VENT WITH NO 14 SS SCREEN (TYP).  
 SS BALL VALVE SIZE TO MATCH AIR VALVE (TYP)  
 SS BALL VALVE SIZE TO MATCH AIR VALVE (TYP)  
 SS NIPPLES SAME SIZE AS VALVE SIZE DRILL & TAP OR USE SADDLE TAP (TYP)

4" SQUARE TAPERED KNOCKOUT BOTH ENDS OF SUMP c/w 1" SKIMCOAT.



**SECTION**  
 SCALE: NTS

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**Salt Lake County Service Area #3**  
**P.O. Box 920067 Snowbird, UT 84092**

**STANDARD DETAIL**  
**BELOW GRADE PRV**

DRAWING NO.  
**12B**

BILL OF MATERIALS		
ITEM	QTY	DESCRIPTION
1	2	CAL-VALVE MODEL 90-01. PRESSURE REDUCING VALVE AND PRESSURE SUSTAINING VALVE WITH FLOW CONTROL, SHUT-OFF COCKS, FLOW STABILIZER, STAINLESS STEEL TRIM, FLG X FLG
2	2	STRAINER DIST- #300 FLG
3	2	VALMATIC MODEL NO. 201.C.2
4	2	BUTTERFLY VALVE C/W HANDWHEEL ACTUATOR - WAFFER
5	2	PRESSURE REDUCER ISOLATION BALL VALVES - STAINLESS STEEL
6	4	ISOLATION BALL VALVES - STAINLESS STEEL
7	3	VICTAULIC COUPLING
8	1	RESTRAINED DISMANTLING JOINT
9	2	1/2" SMOOTH NOSE SAMPLING TAP
10	2	1/2" PRESSURE GAUGE, 0-200 PSI, GRADE B, THREADED WITH STEM VALVE
11	4	ADJUSTABLE PIPE SUPPORTS
12	1	ALUMINUM LADDER C/W SAFETY POST
13	1	DRAIN COVER
14	1	FROST FREE LID ASSEMBLY D&L A1366 MANHOLE FRAME AND COVER (30" CLEAR OPENING)
15	1	PRECAST CONCRETE VAULT C/W WHITE LATEX INTERIOR & BLACK TAR EXTERIOR. VAULT IN ACCORDANCE WITH DISTRICT STANDARDS: A. CONCRETE IS TO BE 6 1/2 BAG MIX, 4,000 PSI B. REINFORCING STEEL IS TO BE ASTM A615, GRADE 40 C. WATERPROOF OUTSIDE WALL AND TOP SLAB PER UBC CODE FOR BURIED FOUNDATIONS"

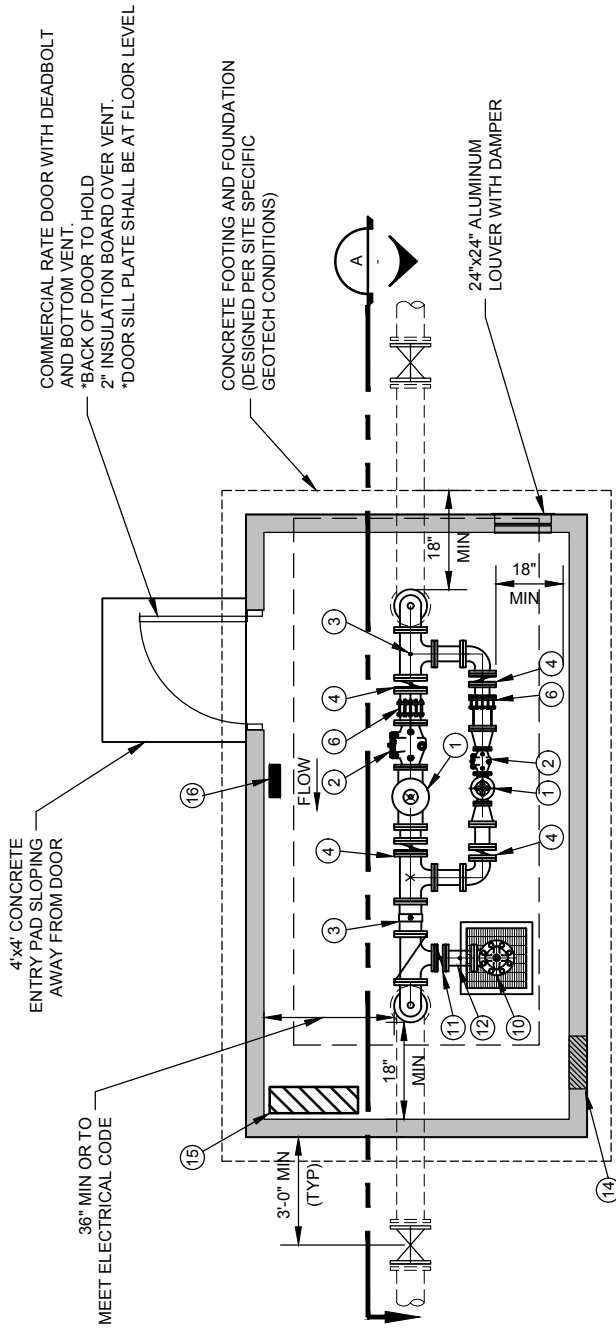
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**STANDARD DETAIL**  
**BELOW GRADE PRV**

DRAWING NO.  
**12C**



**PLAN**  
SCALE: NTS

BUILDING EXTERIOR PER LOCAL ARCHITECTURAL REQUIREMENTS  
(PLAN AND DESIGN TO BE APPROVED BY THE DISTRICT)

NOTES:

- 1- SIZES OF VALVES AND FITTINGS WILL BE DETERMINED FOR EACH SPECIFIC INSTALLATION.
- 2- SUBMITTAL REQUIRED FOR ALL VALVING.
- 3- FABRICATED STEEL PIPE AND FITTINGS TO BE SCHEDULE NO. 40 STEEL PIPE.
- 4- FOR PIPE SIZES TO 10" AND 3/8" WALL FOR 12" AND LARGER.
- 5- ALL PIPE, INSIDE WETTED SURFACES TO BE SANDBLASTED, EPOXY LINED AND COATED TO AWWA C-210 AND NSF-61 SPECIFICATION. FINISH COATING WILL BE BLUE ENAMEL.

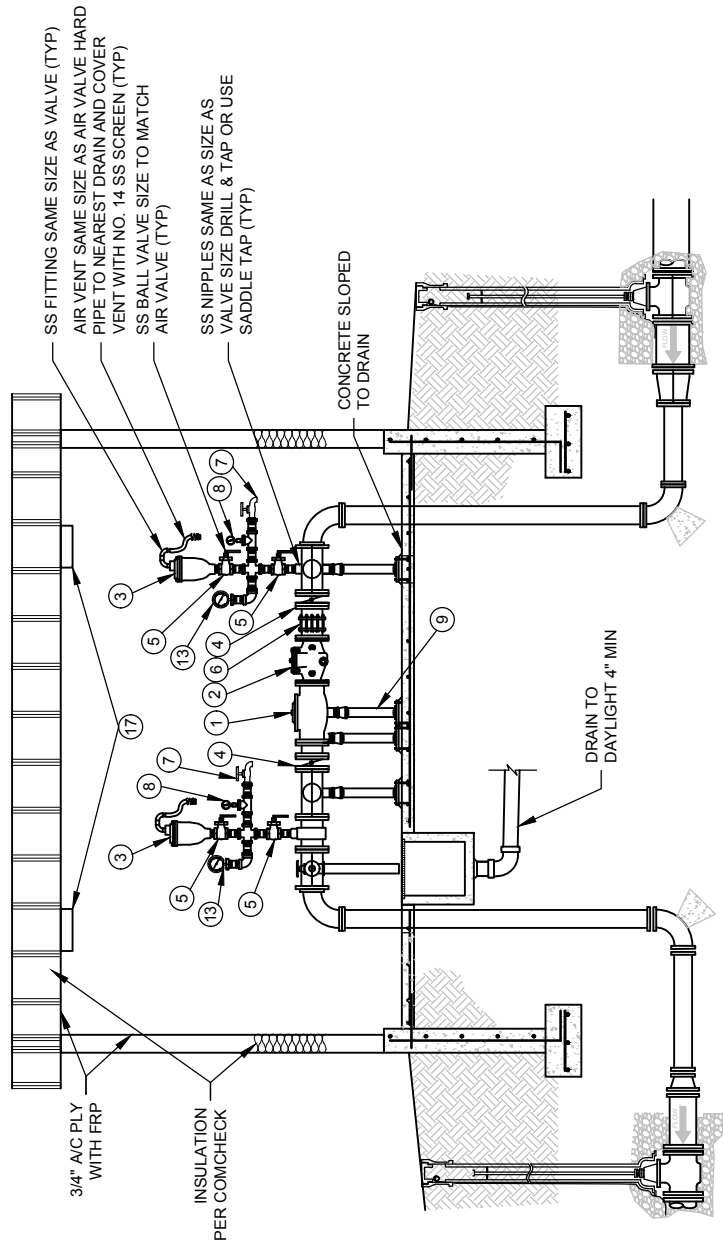
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**Salt Lake County Service Area #3**  
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**STANDARD DETAIL**  
**PRV PLAN VIEW**

DRAWING NO.  
**13A**



**SECTION** A  
SCALE: NTS

\*BUILDING SHALL MEET ALL REQUIREMENTS FOR SALT LAKE COUNTY BUILDING PERMIT INCLUDING COMCHECK REQUIREMENTS

ELECTRICAL NOTES:

1. PRV BUILDING SHALL HAVE A MINIMUM OF TWO ELECTRICAL OUTLETS.
2. ELECTRICAL SERVICE PANEL SHALL BE 100 AMP MIN.
3. ALL ELECTRICAL WIRING SHALL BE ROUTED WITHIN WALL CAVITY WHERE POSSIBLE.

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**STANDARD DETAIL**  
**BELOW GRADE PRV**

DRAWING NO.  
**13B**

BILL OF MATERIALS		
ITEM	QTY	DESCRIPTION
1	2	CAL-VALVE MODEL 90-01. PRESSURE REDUCING VALVE AND PRESSURE SUSTAINING VALVE WITH FLOW CONTROL, SHUT-OFF COCKS, FLOW STABILIZER, STAINLESS STEEL TRIM, FLG X FLG
2	2	STRAINER DIST- #300 FLG
3	2	VALMATIC MODEL NO. 201.C.2 COMBINATION AIR/VAC
4	4	BUTTERFLY VALVE C/W HANDWHEEL ACTUATOR - WAFFER
5	4	ISOLATION BALL VALVES - STAINLESS STEEL
6	2	RESTRAINED DISMANTLING JOINT
7	2	1/2" SMOOTH NOSE SAMPLING TAP
8	2	1/2" PRESSURE GAUGE, 0-200 PSI, GRADE B, THREADED WITH STEM VALVE
9	4	ADJUSTABLE PIPE SUPPORTS
10	1	(OPTIONAL) CAL-VALVE MODEL 50-01. PRESSURE RELIEF VALVE
11	1	(OPTIONAL) BUTTERFLY VALVE C/W HANDWHEEL ACTUATOR - WAFFER
12	1	(OPTIONAL) MAGNETROL TD1 THERMAL DISPERSION FLOW SWITCH (1/2" WELDOLET ON SPOOL PIECE, NPT)
13	2	KELE PSS2-1000 PRESSURE TRANSMITTER
14	1	IN-WALL ELECTRICAL HEATING UNIT DAYTON MODEL 3END2 208/240 VAC
15	1	ELECTRICAL PANEL
16	1	SCADA SYSTEM (ENCLOSURE APPROVED BY DISTRICT)
17	2	CEILING MOUNT LED FIXTURE

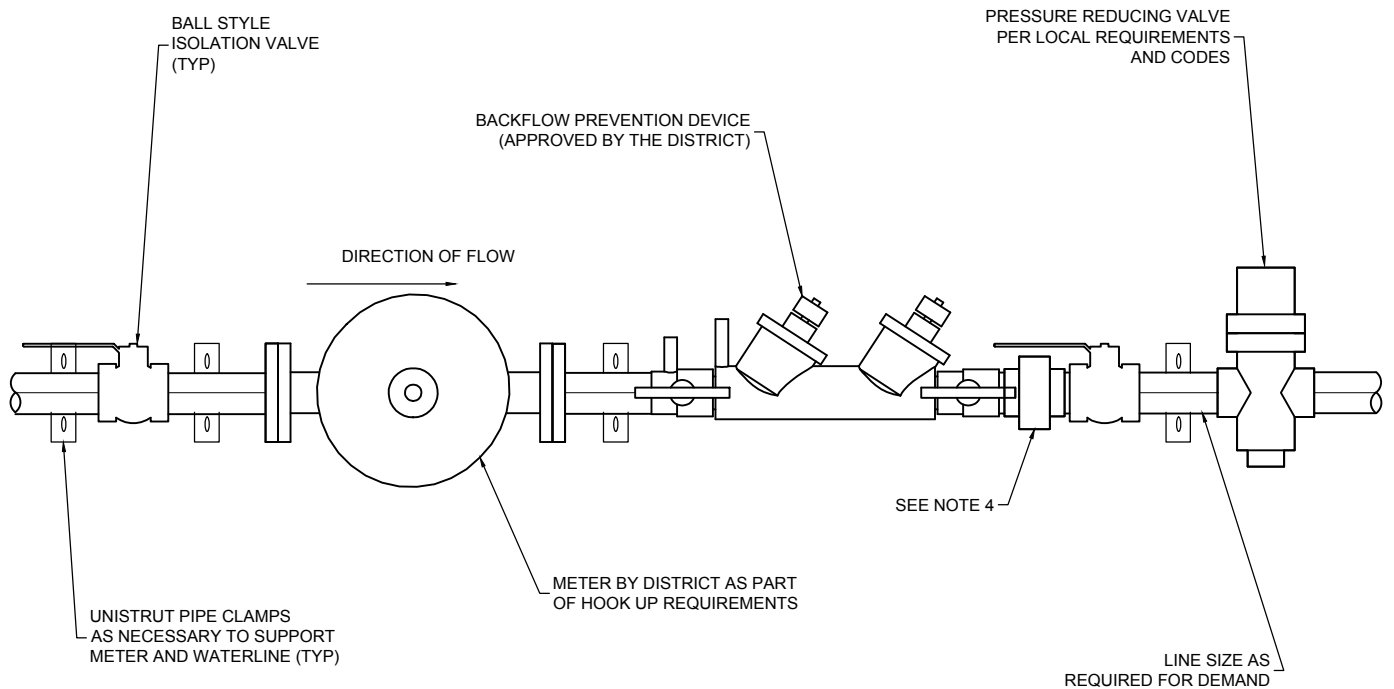
CAD  
 DESIGNER  
 DATE 12/2021  
 REV  
 PROJECT NO.



**Salt Lake County Service Area #3**  
**P.O. Box 920067 Snowbird, UT 84092**

**STANDARD DETAIL**  
**PRV SCHEDULE**

DRAWING NO.  
**13C**



NOTES:

- 1- METER SERVICE MAY BE ORIENTED AS NECESSARY TO FIT SPECIFIC INSTALLATION (HORIZONTAL, VERTICAL, LOOP) SUCH THAT ALL COMPONENTS ARE CONFIGURED AS SHOWN WITH RESPECT TO FLOW DIRECTION.
- 2- METER SHALL BE NO MORE THAN 5' OFF FINISH FLOOR.
- 3- INSTALLATION SHALL CONFORM TO ALL APPLICABLE CODES.
- 4- INSTALL UNIONS AS REQUIRED FOR INSTALLATION AND MAINTENANCE OF COMPONENTS.

**SINGLE INTERIOR SERVICE DETAIL**

NTS

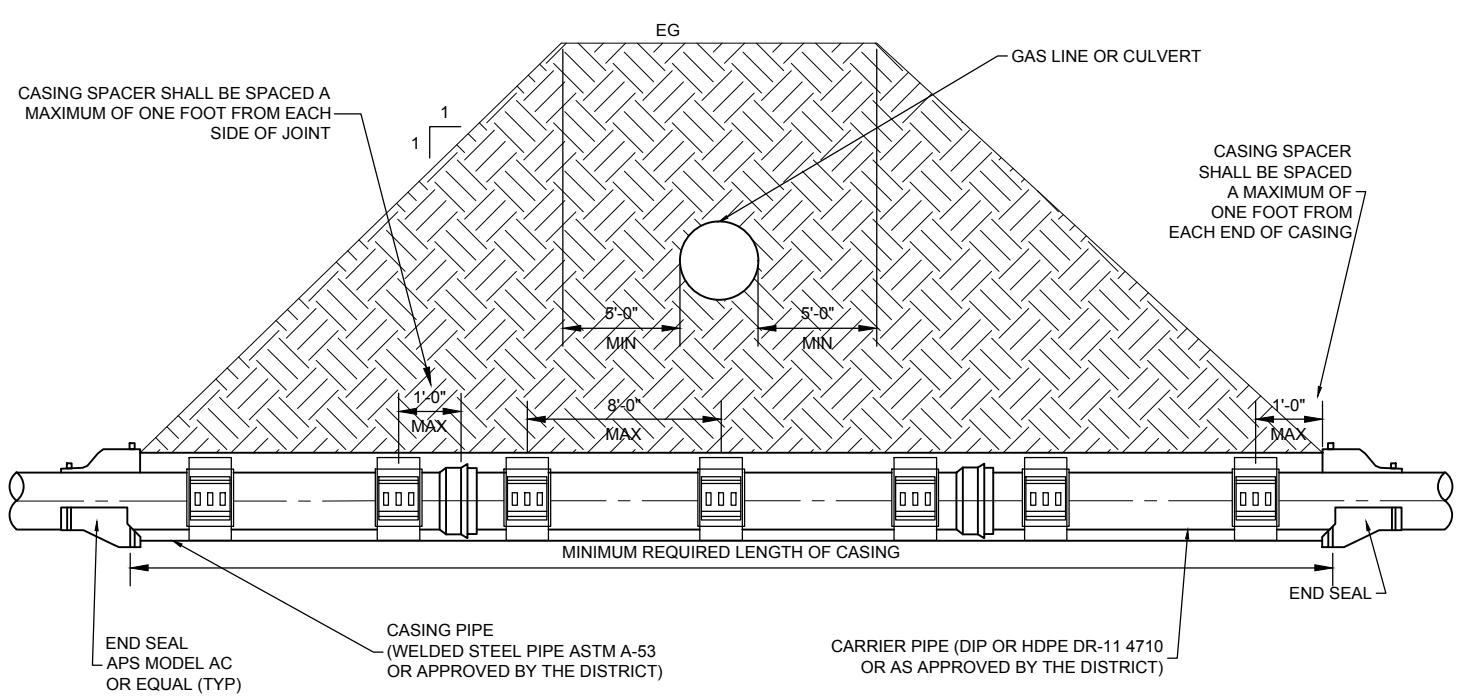
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 DATE 12/2021  
 REV  
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**Salt Lake County Service Area #3**  
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**STANDARD DETAIL**  
**SINGLE INTERIOR**  
**SERVICE DETAIL**

DRAWING NO.  
**14**

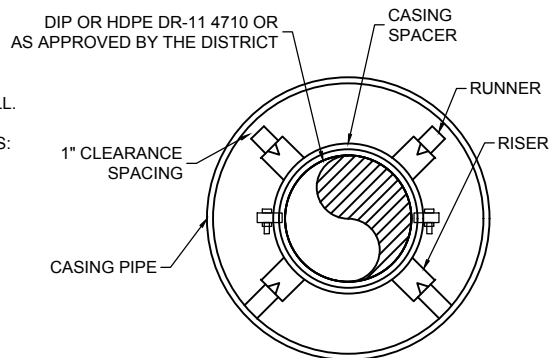


### TYPICAL WATER LINE CASING SPACER CONFIGURATION

NTS

**NOTES:**

- 1- CASING SPACERS AND END SEALS SHALL BE APPROVED BY THE DISTRICT PRIOR TO INSTALL.
- 2- QUANTITY OF RUNNERS SHALL BE IN ACCORDANCE WITH CARRIER PIPE SIZE AS FOLLOWS:  
 TO 14" DIAMETER - 4 RUNNERS  
 16" TO 36" DIAMETER - 6 RUNNERS  
 38" TO 48" DIAMETER - 8 RUNNERS
- 3- ALL ENCASEMENT PIPE SHALL BE NEW AND HAVE A MINIMUM WALL THICKNESS OF 0.25". CASING INSIDE DIAMETER SHALL BE AT LEAST 2" LARGER THAN OUTSIDE DIAMETER OF CASING SPACER.
- 4- WIDTH OF SPACERS SHALL BE IN ACCORDANCE WITH CARRIER PIPE SIZE AS FOLLOWS:  
 TO 14" DIAMETER - 8" WIDTH  
 16" AND LARGER DIAMETER - 12" WIDTH
- 5- WATER LINES SHALL BE "CENTERED" IN CASING.
- 6- ALL WATERLINES SHALL BE MECHANICALLY RESTRAINED THROUGHOUT THE CASING, AND WITHIN 20' OF EACH END.



### TYPICAL WATER LINE END VIEW

NTS

### PIPE ENCASEMENT DETAILS

NTS

CAD  
 DESIGNER  
 DATE 12/2021  
 REV  
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**STANDARD DETAIL**  
**PIPE ENCASEMENT**  
**DETAILS**

DRAWING NO.  
**15**