

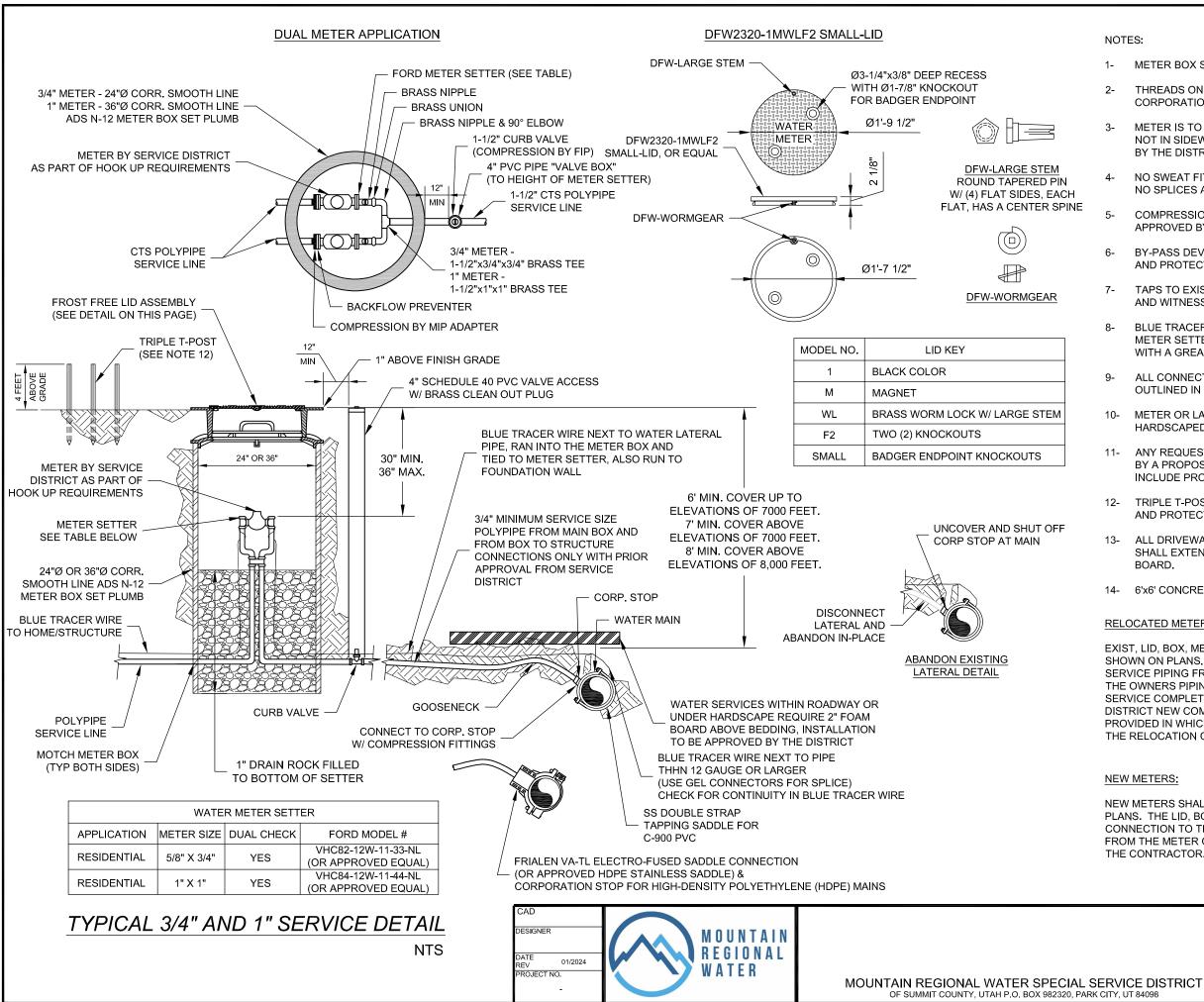


- PAVEMENT SECTION FOR NEWLY CONSTRUCTED 1-ROADS SHALL BE PER APPROVED ROADWAY CONSTRUCTION PLANS.
- DENSITY TEST REQUIREMENTS FOR WORK WITHIN 2-SUMMIT COUNTY RIGHT OF WAY: ONE TEST PER 150 LINEAR FEET OF TRENCH WITH A MINIMUM OF TWO TESTS PER ROAD CROSSING. TEST RESULTS MUST BE SUBMITTED TO SUMMIT COUNTY ENGINEERS OFFICE WITHIN 24 HOURS, AND IN NO CASE MAY THE TRENCH BE PAVED PRIOR TO APPROVAL FROM SUMMIT COUNTY ENGINEER.
- BLUE TRACER WIRE IS TO BE RAN INTO THE METER 3-BOX OF EACH SERVICE LATERAL AND SHALL BE RAN TO EACH FIRE HYDRANT.
- OPEN ENDS OF PIPE SHALL BE COVERED DURING THE 4-INSTALLATION PROCESS.
- THE DISTRICT, AT ITS SOLE DISCRETION, MAY 5-REQUIRE BURY DEPTHS OTHER THAN WHAT IS IDENTIFIED ABOVE. BURY DEPTHS ARE A FUNCTION OF ELEVATION, LOCATION, WATER DEMAND, AND PROXIMITY TO OTHER UTILITIES.

STANDARD DETAIL

MAIN/LATERAL TRENCH

DRAWING NO.



- METER BOX SHALL BE SET PLUMB.
- THREADS ON SERVICE CLAMP SHALL MATCH THREADS ON CORPORATION STOP.
- METER IS 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 OTHERWISE APPROVED BY THE DISTRICT.
- BY-PASS DEVICES SHALL NOT BE USED ON RESIDENTIAL SERVICES AND PROTECT METER DURING CONSTRUCTION.
- TAPS TO EXISTING MAIN LINES SHALL BE PERFORMED BY CONTRACTOR AND WITNESSED BY THE DISTRICT.
- BLUE TRACER WIRE SHALL BE RAN INTO EVERY METER BOX AND TIED TO METER SETTER. 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.
- METER OR LATERAL SHALL NOT BE LOCATED WITHIN PAVEMENT OR HARDSCAPED 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.
- TRIPLE T-POST SHALL BE FURNISHED TO MARK TERMINUS OF SERVICE AND PROTECT METER DURING CONSTRUCTION.
- ALL DRIVEWAY CROSSINGS REQUIRE A SCH 80 PVC PIPE SLEEVE THAT SHALL EXTEND 3 FEET BEYOND THE EDGE OF DRIVEWAY AND FOAM BOARD
- 14- 6'x6' CONCRETE BLANKETS MAY BE REQUIRED IN METER PIT.

RELOCATED METERS:

EXIST, 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 SERVICE 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 ONTO THE OWNERS PROPERTY SHALL BE PROVIDED BY THE CONTRACTOR.

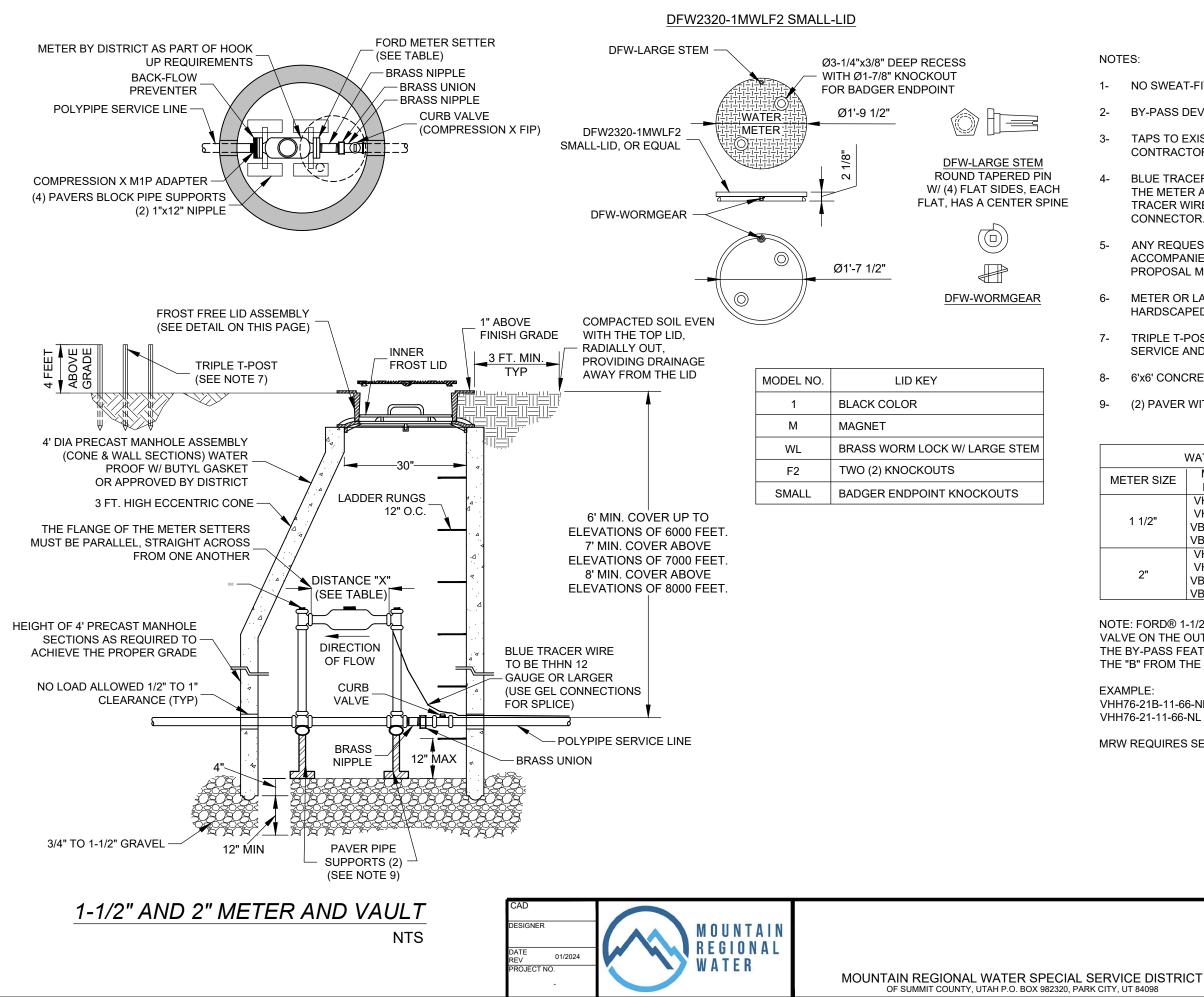
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DRAWING NO.

TYP. 3/4" AND 1" SERVICE

SUMMIT COUNTY, UT

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NO SWEAT-FITTINGS OR SILVER SOLDERED FITTINGS ALLOWED.

BY-PASS DEVICES SHALL NOT BE ALLOWED.

TAPS TO EXISTING MAIN LINES SHALL BE PERFORMED BY CONTRACTOR AND WITNESSED BY THE DISTRICT.

BLUE TRACER WIRE SHALL BE RAN INTO FROM THE METER BOX 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 BACK-FLOW PREVENTION.

METER OR LATERAL SHALL NOT BE LOCATED WITHIN PAVEMENT OR HARDSCAPED AREAS.

TRIPLE T-POST SHALL BE FURNISHED TO MARK TERMINUS OF SERVICE AND PROTECT METER DURING CONSTRUCTION.

6'x6' CONCRETE BLANKETS MAY BE REQUIRED IN METER PIT.

(2) PAVER WITH 18-INCH BY 3/4-INCH RIGID CONDUIT.

WATER METER SETTER			
IETER SIZE	METER SETTER FORD MODEL #	DISTANCE "X"	
	VHH76-18-11-66-NL		
1 1/2"	VHH76-18-11-66-NL VBHH76-21-11-66-NL	13-1/8" ± 1/8"	
	VBHH76-18-11-66-NL		
	VHH77-21-11-77-NL	17-1/8" ± 1/8"	
0"	VHH77-18-11-77-NL		
2"	VBHH77-21-11-77-NL		
	VBHH77-18-11-77-NL		

NOTE: FORD® 1-1/2" AND 2" COPPERSETTERS WITH A VALVE ON THE OUTLET ARE STANDARD WITH A BY-PASS. THE BY-PASS FEATURE CAN BE REMOVED BY OMITTING THE "B" FROM THE MIDDLE OF THE CATALOG NUMBER.

EXAMPLE: VHH76-21B-11-66-NL (BY-PASS) VHH76-21-11-66-NL (NO BY-PASS)

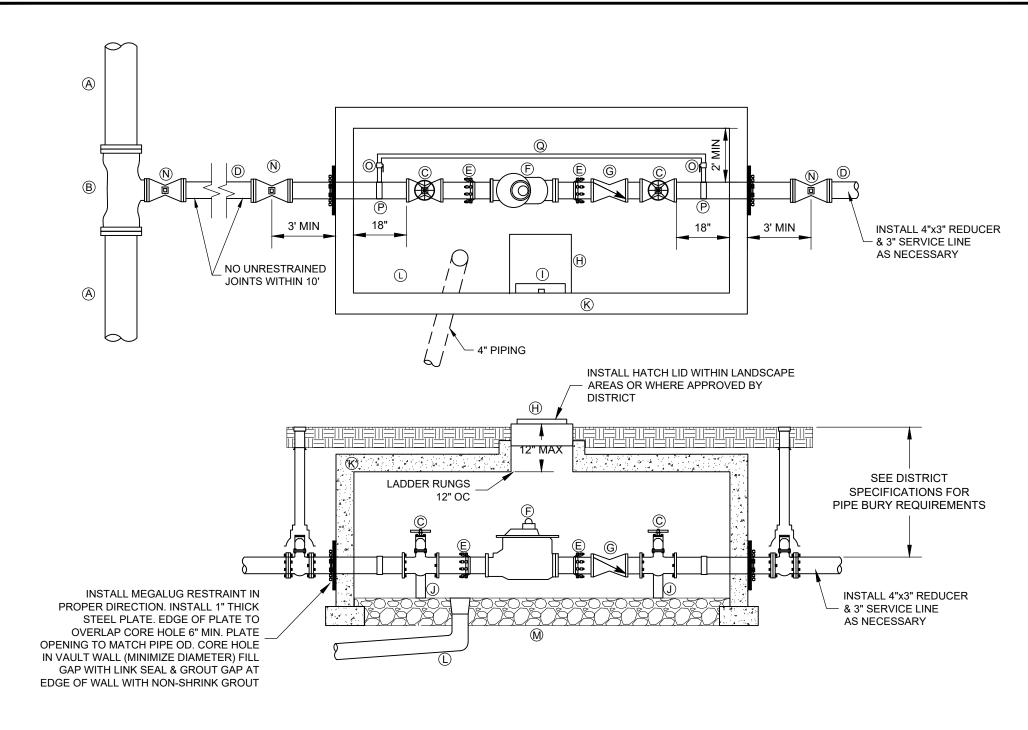
MRW REQUIRES SETTERS WITHOUT A BY-PASS

STANDARD DETAIL

DRAWING NO.

3

1-1/2" AND 2" METER



TYPICAL 3" AND 4" SERVICE DETAIL NTS



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NOTES:

WATER MAINLINE SIZE VARIES

TEE (MAINLINE SIZE X3" OR 4")

3" OR 4" SERVICE LINE

FLANGE x M.J. ADPATER

3" OR 4" CHECK VALVE

PIPE SUPPORTS

3" OR 4" GATE VALVE WITH WHEEL

3" OR 4" METER BY THE DISTRICT

LADDER RUNG WITH LADDER UP

CONCRETE BOX APPROX. 5'x9'

1.5" LOCKABLE CURB STOP

3" OR 4"x1.5" SADDLE

GRAVEL FLOOR INSIDE METER BOX

3" OR 4" GATE VALVE W/ VALVE BOX & NUT

HATCH OR APPROVED LID (DIRECTLY ABOVE LADDER)

4" PVC DRAINLINE TO DAYLIGHT OR SUMP PUMP (POWER)

1- CELLULAR SERVICE REQUIRED. ADDITIONAL MODIFICATIONS MAY BE NECESSARY TO ENSURE CELLULAR SERVICE.

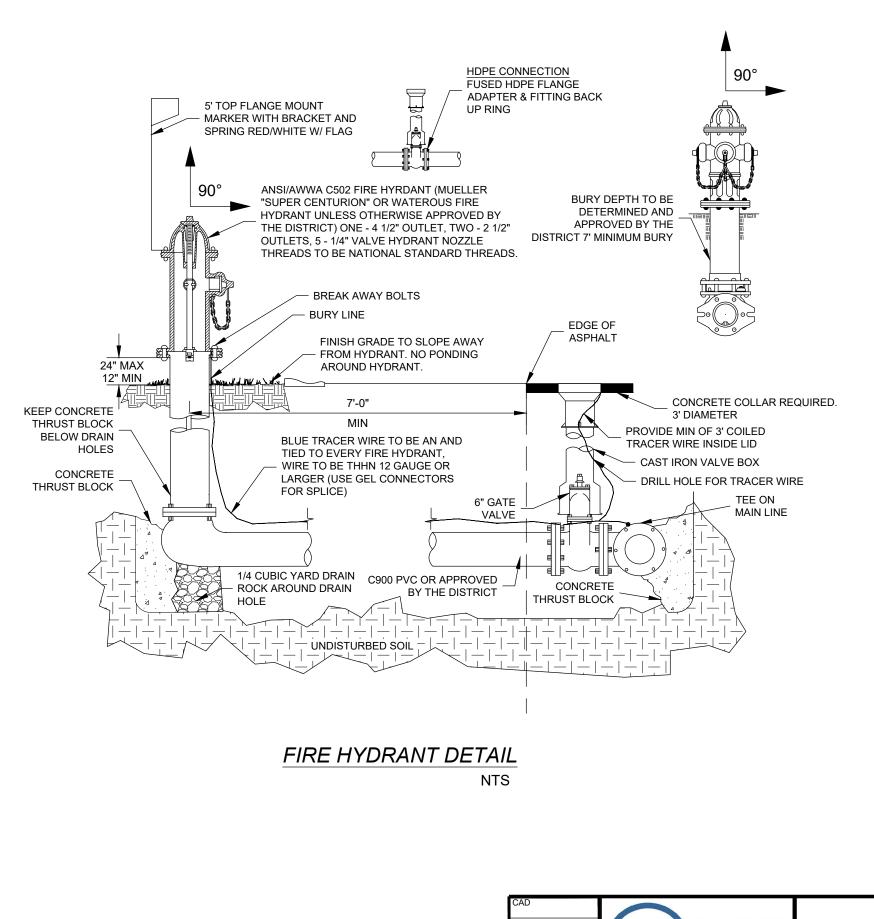
1.5" BYPASS LINE THREADED BRASS OR GALVANIZED STEEL PIPE

SUMMIT COUNTY, UT

DRAWING NO.

3" AND 4" SERVICE

STANDARD DETAIL



- 1-
- 2-
- VALVE TO BE PLACED IN ASPHALT WITH CONCRETE RING. 3-
- BLUE TRACER WIRE TO BE ATTACHED TO HYDRANT VALVE. 4-
- HYDRANT AND FITTINGS TO BE POLY WRAPPED. 5-
- 6-ALL BOLTS SHALL BE FREE OF CONCRETE AND FULLY ACCESSIBLE.
- DO NOT COVER BARREL DRAIN W/ DIRT OR CONCRETE, USE GRAVEL 7-
- 8-ON AXILLARY VALVE.



LOCATION OF HYDRANT AND TEE ON WATER MAINLINE SHALL BE DETERMINED BY THE DISTRICT.

HYDRANT SHALL STAND PLUMB WITH PUMPER NOZZLE FACING THE STREET.

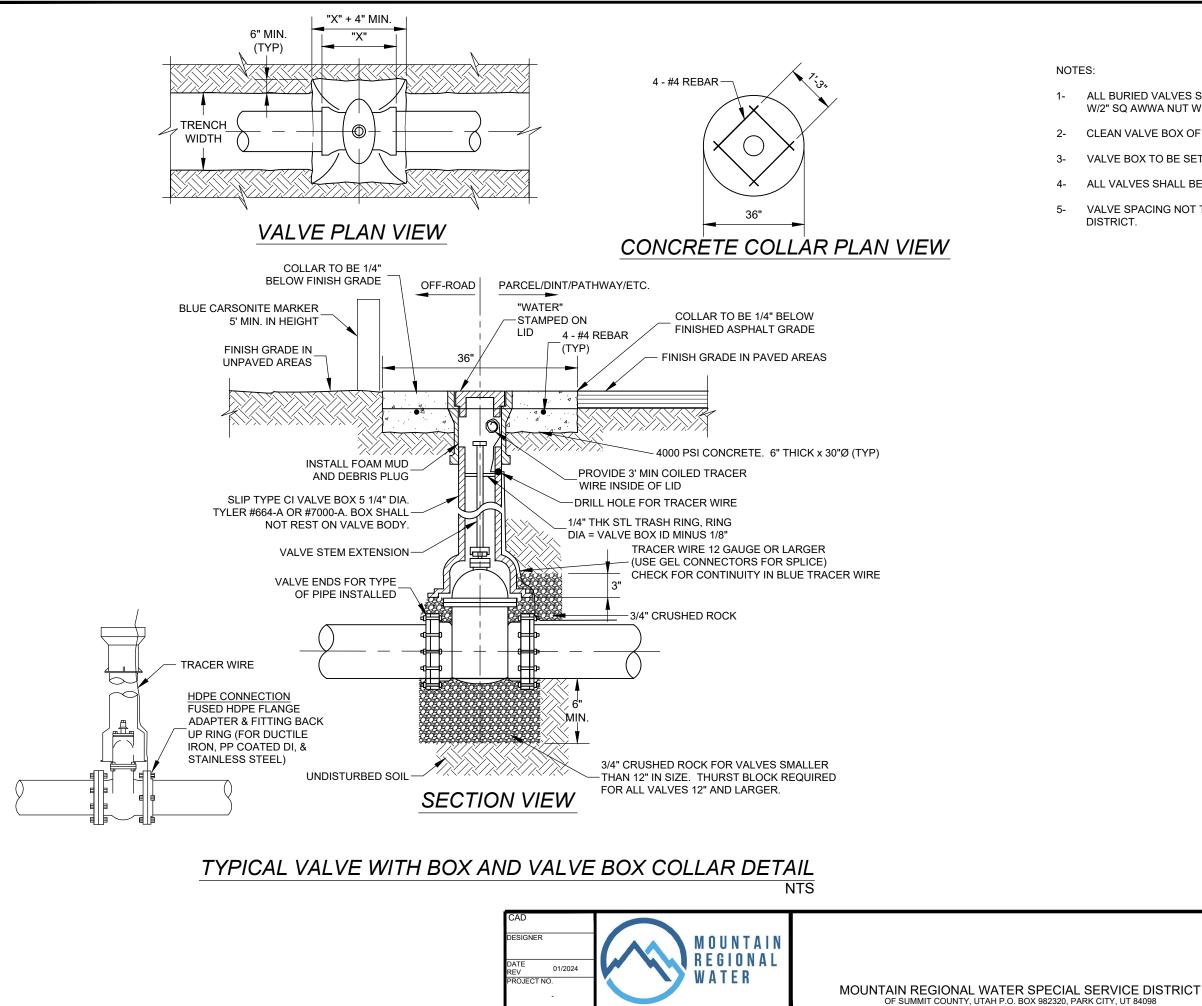
IN ROADWAY: 3-FOOT MINIMUM REQUIRED BETWEEN EDGE OF ASPHALT AND CONCRETE COLLAR

STANDARD DETAIL

FIRE HYDRANT

DRAWING NO.

5



ALL BURIED VALVES SHALL BE PROVIDED W/EXTENSION STEM OPERATOR W/2" SQ AWWA NUT WITHIN 4' OF VALVE BOX COVER.

CLEAN VALVE BOX OF ALL DEBRIS & SOIL.

VALVE BOX TO BE SET PLUMB AND CENTERED ABOVE VALVE NUT.

ALL VALVES SHALL BE FURNISHED WITH RESTRAINT COLLARS.

VALVE SPACING NOT TO EXCEED 800' WITHOUT PRIOR APPROVAL BY THE

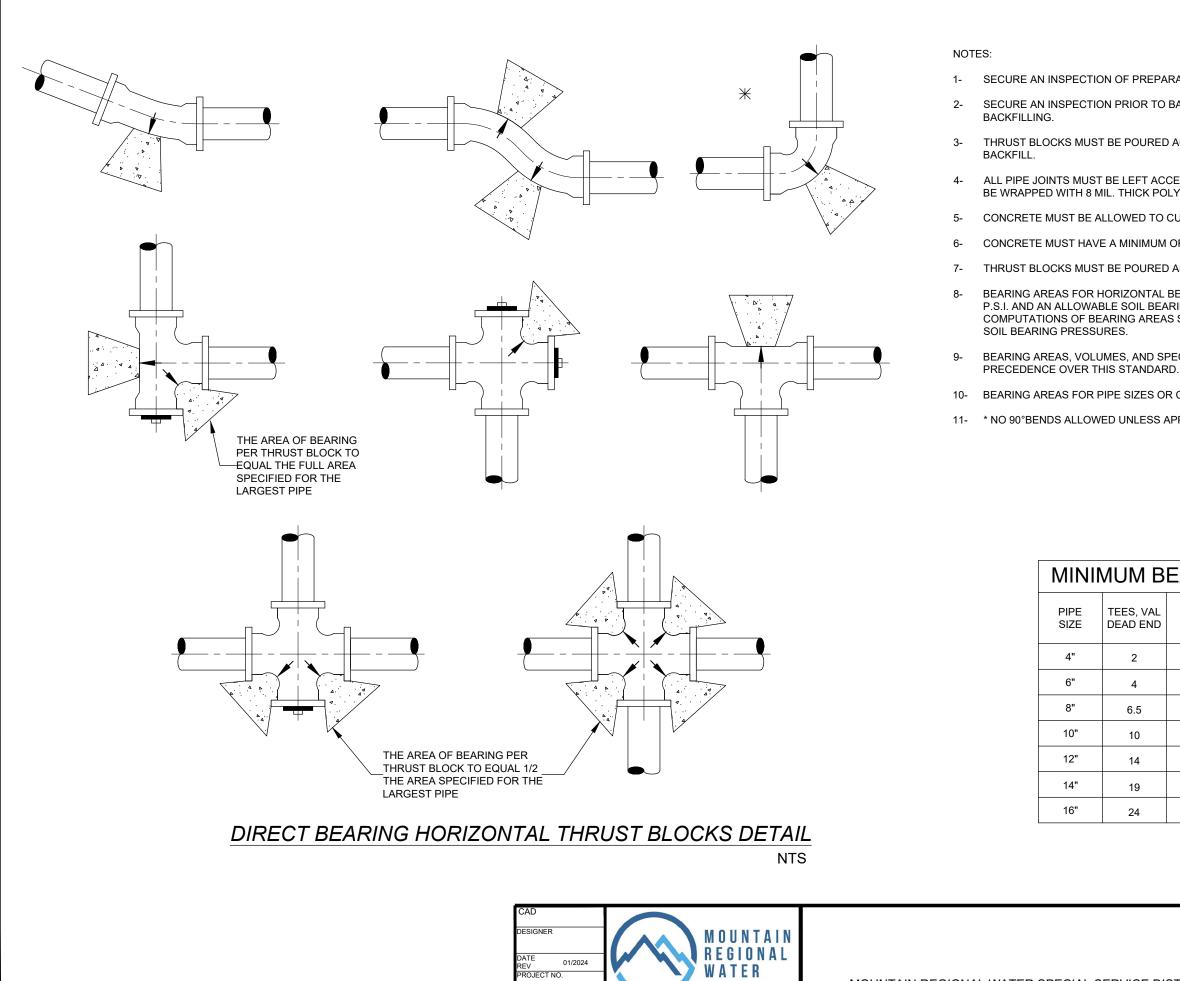
STANDARD DETAIL

VALVE BOX & COLLAR

SUMMIT COUNTY, UT

DRAWING NO.





SECURE AN INSPECTION OF PREPARATION PRIOR TO POURING THRUST BLOCK.

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

THRUST BLOCKS MUST BE POURED AGAINST UNDISTURBED SOIL OR APPROVED COMPACTED

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

BEARING AREAS, VOLUMES, AND SPECIAL BLOCKING DETAILS SHOWN ON PLANS TAKE

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

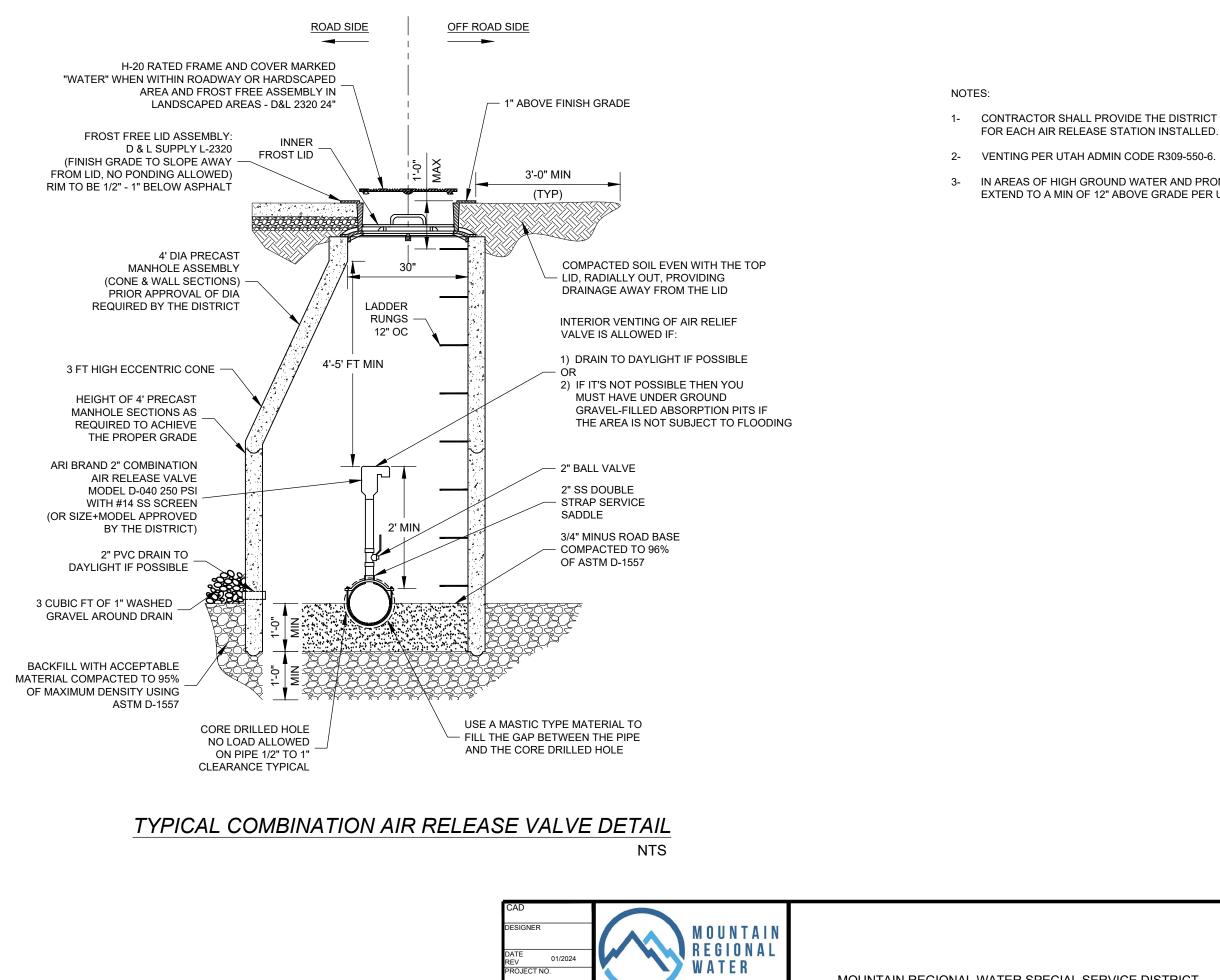
* NO 90°BENDS ALLOWED UNLESS APPROVED BY THE DISTRICT.

ES, VAL AD END	*90 BEND	45 BEND	22.5 BEND	11.25 BEND
2	3	2	2	2
4	5.5	3	2	2
6.5	9.5	5	3	2
10	14	8	5	3
14	20	11	6	3
19	26.5	14.5	7.5	4
24	34	18.5	9.5	6

MINIMUM BEARING AREA IN SQ.FT.

STANDARD DETAIL HORIZONTAL THRUST BLOCK

DRAWING NO.



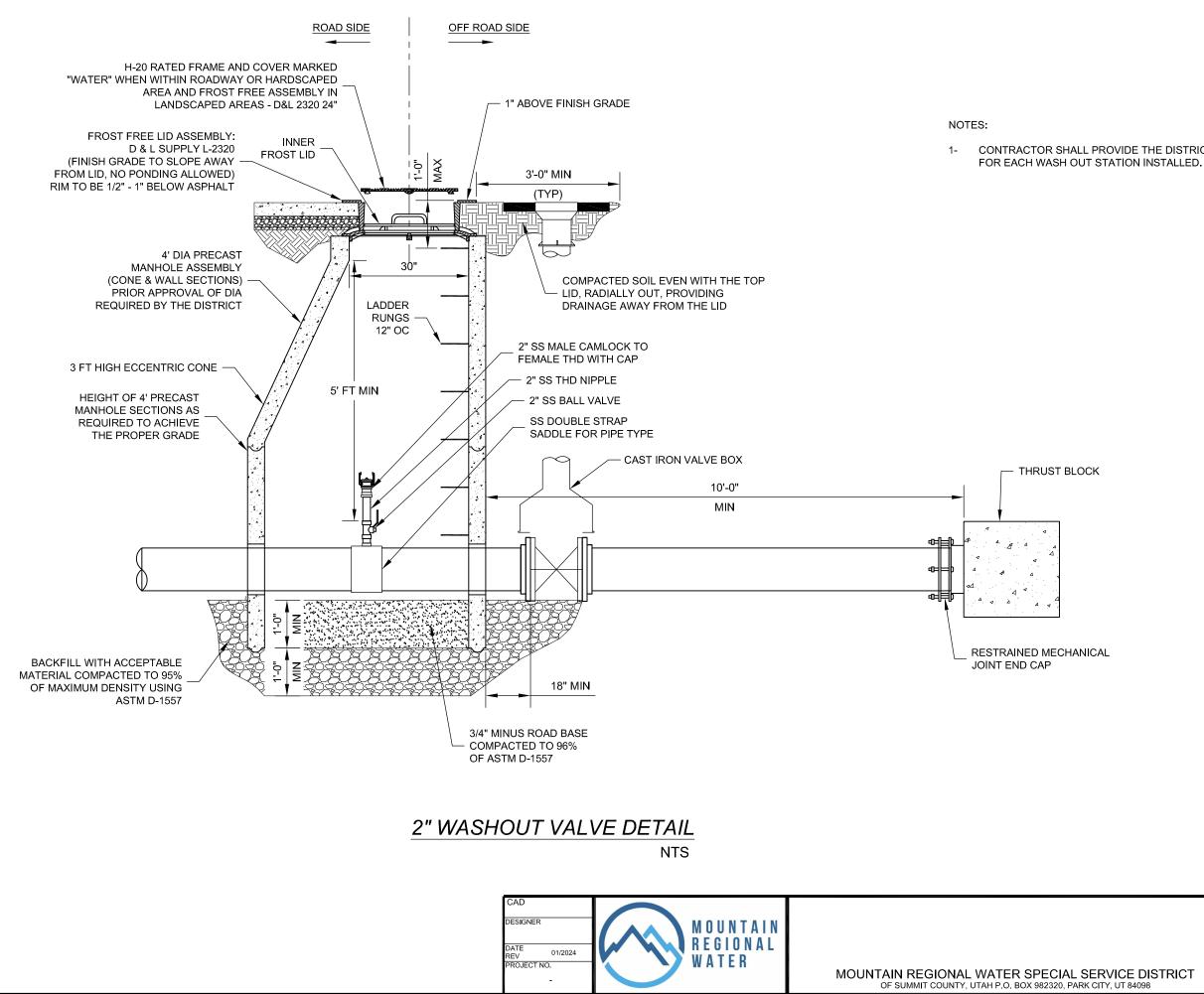
CONTRACTOR SHALL PROVIDE THE DISTRICT A 6'x6' CONCRETE BLANKET,

IN AREAS OF HIGH GROUND WATER AND PRONE TO FLOOD, VENT SHALL EXTEND TO A MIN OF 12" ABOVE GRADE PER UTAH ADMIN CODE R309-550-6.

STANDARD DETAIL TYP. COMB. AIR RELEASE VALVE

DRAWING NO.

SUMMIT COUNTY, UT



CONTRACTOR SHALL PROVIDE THE DISTRICT A 6'x6' CONCRETE BLANKET,

STANDARD DETAIL

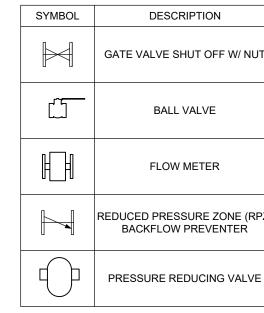
2" WASHOUT VALVE

SUMMIT COUNTY, UT

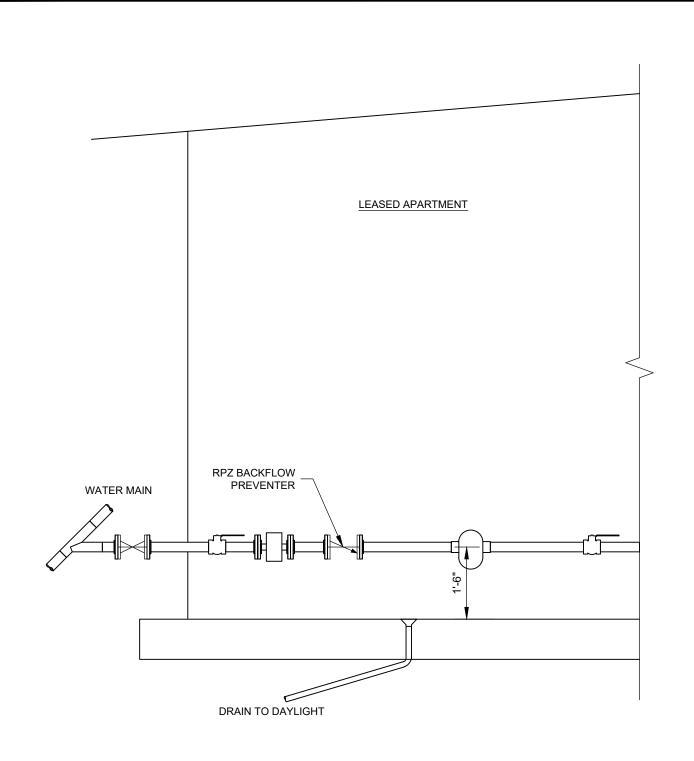
DRAWING NO.







- 1- METERS INSTALLED FOR CONDOS, STRAIGHT PIPE IN APARTMENTS.
- 2-INTERIOR APPURTENANCES COLLOCATED IN A TEMPERATURE CONTROLLED SPACE.
- MASTER METER INSTALLED IN APARTMENT COMPLEXES 3-SHALL BE BADGER E-SERIES (DISTRICT PROVIDED) OR APPROVED BY THE DISTRICT.
- 4- METER SIZE CALCULATIONS ARE TO BE SUPPLIED TO AND APPROVED BY THE DISTRICT.
- ALL CONNECTIONS TO METERS SHALL BE SWIVEL-TYPE AND 5-APPROVED BY THE DISTRICT.
- CELLULAR SERVICE REQUIRED. ADDITIONAL MODIFICATIONS 6-MAY BE NECESSARY TO ENSURE CELLULAR SERVICE



LEASE APARTMENT WATER SERVICE DESIGN DETAIL

NTS



DESCRIPTION GATE VALVE SHUT OFF W/ NUT BALL VALVE FLOW METER REDUCED PRESSURE ZONE (RPZ) BACKFLOW PREVENTER

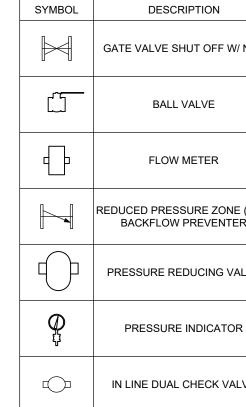
STANDARD DETAIL

DRAWING NO.

LEASED APARTMENT

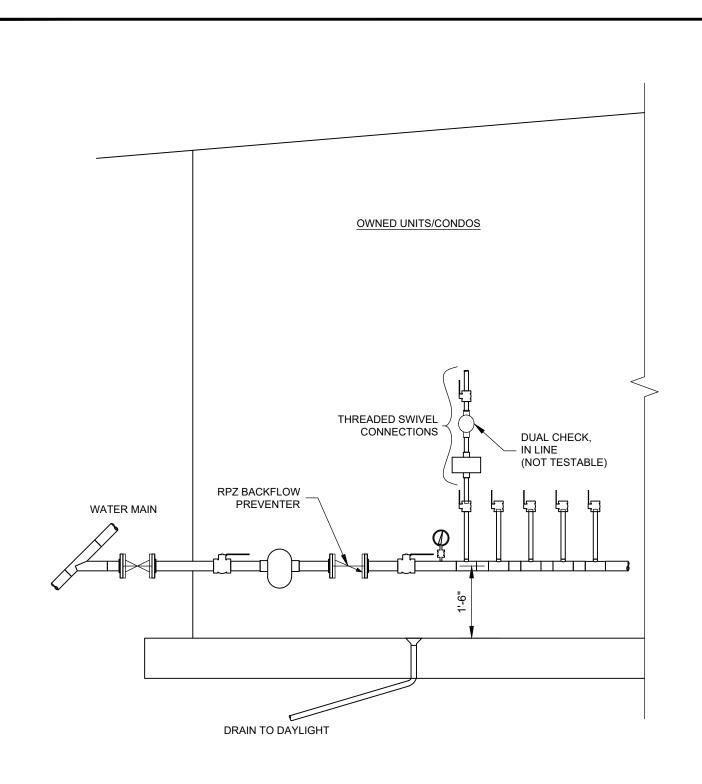
SUMMIT COUNTY, UT

<u>LEGEND</u>



NOTES:

- METERS INSTALLED FOR CONDOS, STRAIGHT 1-PIPE IN APARTMENTS.
- 2-INTERIOR APPURTENANCES COLLOCATED IN A TEMPERATURE CONTROLLED SPACE.
- MASTER METER INSTALLED IN APARTMENT COMPLEXES 3-SHALL BE BADGER E-SERIES (DISTRICT PROVIDED) OR APPROVED BY THE DISTRICT.
- 4- METER SIZE CALCULATIONS ARE TO BE SUPPLIED TO AND APPROVED BY THE DISTRICT.
- 5-APPROVED BY THE DISTRICT.
- 6-CELLULAR SERVICE REQUIRED. ADDITIONAL MODIFICATIONS MAY BE NECESSARY TO ENSURE CELLULAR SERVICE



OWNED UNITS/CONDOS WATER SERVICE DESIGN DETAIL NTS



ESCRIPTION
VE SHUT OFF W/ NUT
BALL VALVE
LOW METER
RESSURE ZONE (RPZ LOW PREVENTER
E REDUCING VALVE

IN LINE DUAL CHECK VALVE

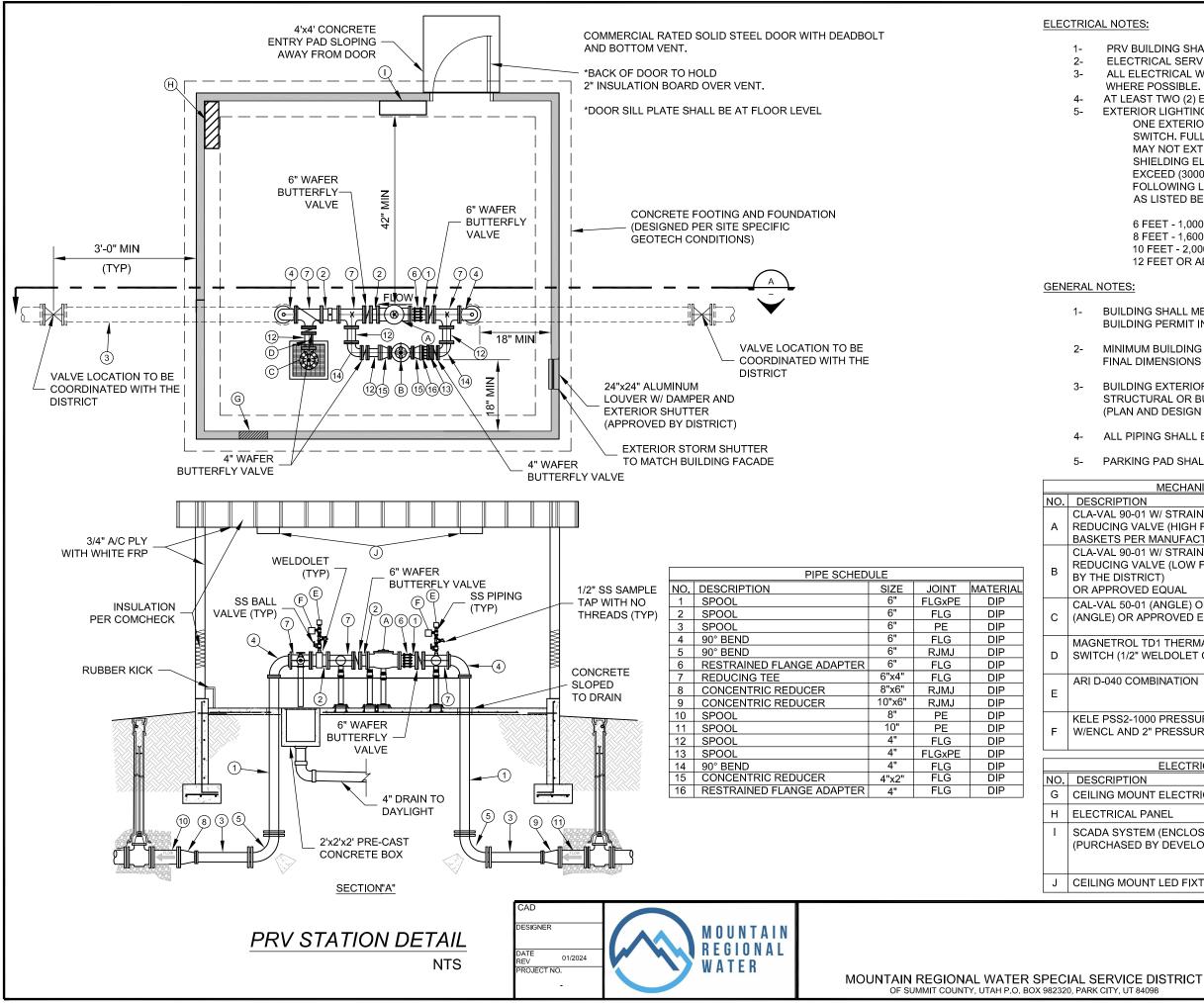
ALL CONNECTIONS TO METERS SHALL BE SWIVEL-TYPE AND

STANDARD DETAIL

DRAWING NO.

OWNED UNITS/CONDOS

SUMMIT COUNTY, UT



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

AT LEAST TWO (2) ELECTRICAL OUTLETS REQUIRED.

EXTERIOR LIGHTING REQUIRED:

ONE EXTERIOR LIGHT FIXTURE FOR DOORWAY CONTROLLED BY A SWITCH. FULLY-SHIELDED AND DOWN-LIT MEANING THE LIGHT BULB MAY NOT EXTEND BELOW THE LOWEST HORIZONTAL PLANE OF THE SHIELDING ELEMENT. MAXIMUM COLOR TEMPERATURE NOT TO EXCEED (3000) KELVIN MAXIMUM LIGHT OUTPUT NOT TO EXCEED THE FOLLOWING LIMITS DEPENDING ON THE HEIGHT OF THE STRUCTURE AS LISTED BELOW:

6 FEET - 1,000 LUMENS

- 8 FEET 1.600 LUMENS
- 10 FEET 2,000 LUMENS
- 12 FEET OR ABOVE 2,500 LUMENS

BUILDING SHALL MEET ALL REQUIREMENTS FOR SUMMIT COUNTY BUILDING PERMIT INCLUDING COMCHECK REQUIREMENTS.

MINIMUM BUILDING DIMENSIONS ARE BASED OFF 6" MAIN 4" BYPASS SETUP. FINAL DIMENSIONS AND LAYOUT SHALL BE APPROVED BY THE DISTRICT.

BUILDING EXTERIOR PER LOCAL ARCHITECTURAL REQUIREMENTS. STRUCTURAL OR BUILDING TO BE DESIGNED BY OTHERS. (PLAN AND DESIGN TO BE APPROVED BY THE DISTRICT)

ALL PIPING SHALL BE PAINTED SAFETY BLUE (EPOXY).

PARKING PAD SHALL BE 10' WIDE TO ROADWAY.

MECHANICAL SCHEDULE		
PTION	SIZE	JOINT
. 90-01 W/ STRAINER OR SINGER 6" 106-PR-AC PRESSURE NG VALVE (HIGH FLOW) OR APPROVED EQUAL, ANTI CAVITY S PER MANUFACTURER REQUIREMENT	6"	FLG
.90-01 W/ STRAINER OR SINGER 2" 106-PR-AC PRESSURE NG VALVE (LOW FLOW) (PER ENGINEERED DESIGN APPROVED DISTRICT) ROVED EQUAL	2"	FLG
50-01 (ANGLE) OR SINGER 4" 106-RPS PRESSURE RELIEF VALVE OR APPROVED EQUAL	4"	FLG
ROL TD1 THERMAL DISPERSION FLOW (1/2" WELDOLET ON SPOOL PIECE)	1/2"	NPT
0 COMBINATION	3/4"	NPT
S2-1000 PRESSURE TRANSMITTER AND 2" PRESSURE GAUGE	1/8"	NPT

ELECTRICAL SCHEDULE

G CEILING MOUNT ELECTRICAL HEATING UNIT 208 VAC

SCADA SYSTEM (ENCLOSURE APPROVED & INSTALLED BY DISTRICT) (PURCHASED BY DEVELOPER) - FLOW SWITCH TO THE BLOW-OFF VALVE - TEMPERATURE READING FOR THE BUILDING

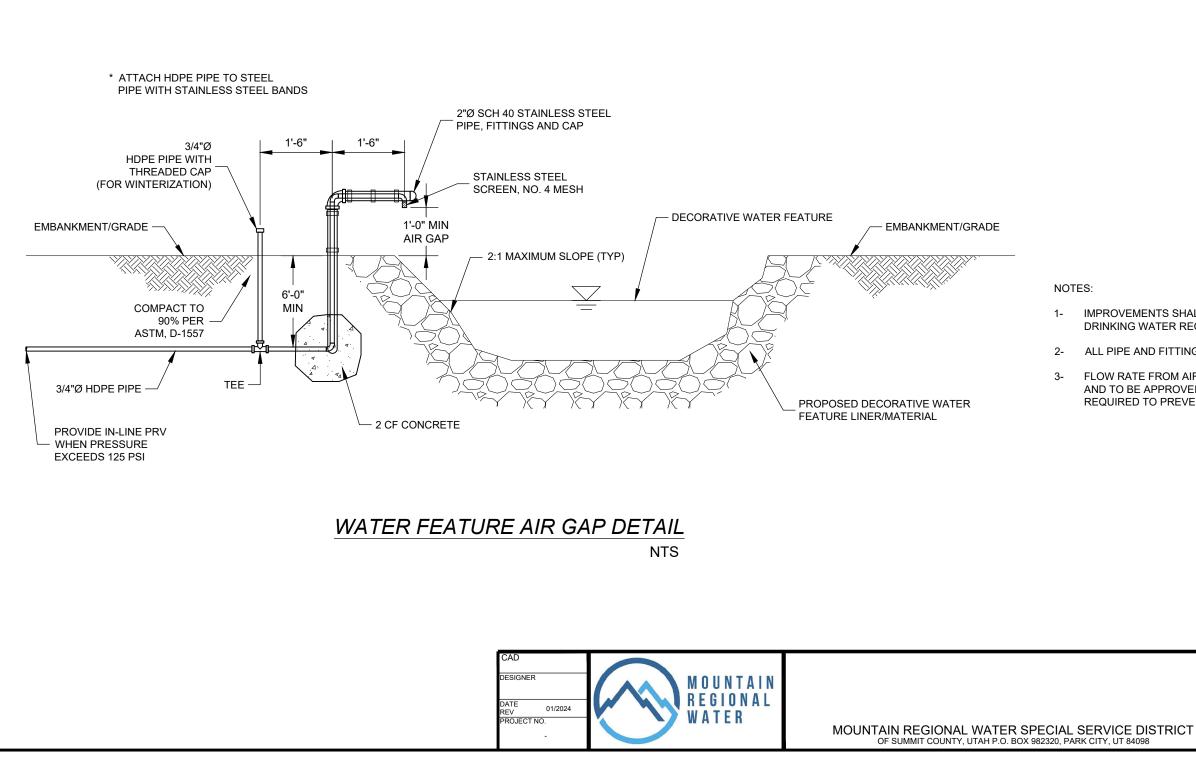
J CEILING MOUNT LED FIXTURE (2)

STANDARD DETAIL

DRAWING NO.

12

PRV STATION



IMPROVEMENTS SHALL BE IN ACCORDANCE WITH UTAH DIVISION OF DRINKING WATER REQUIREMENTS.

ALL PIPE AND FITTINGS SHALL BE NSF 61 COMPLIANT.

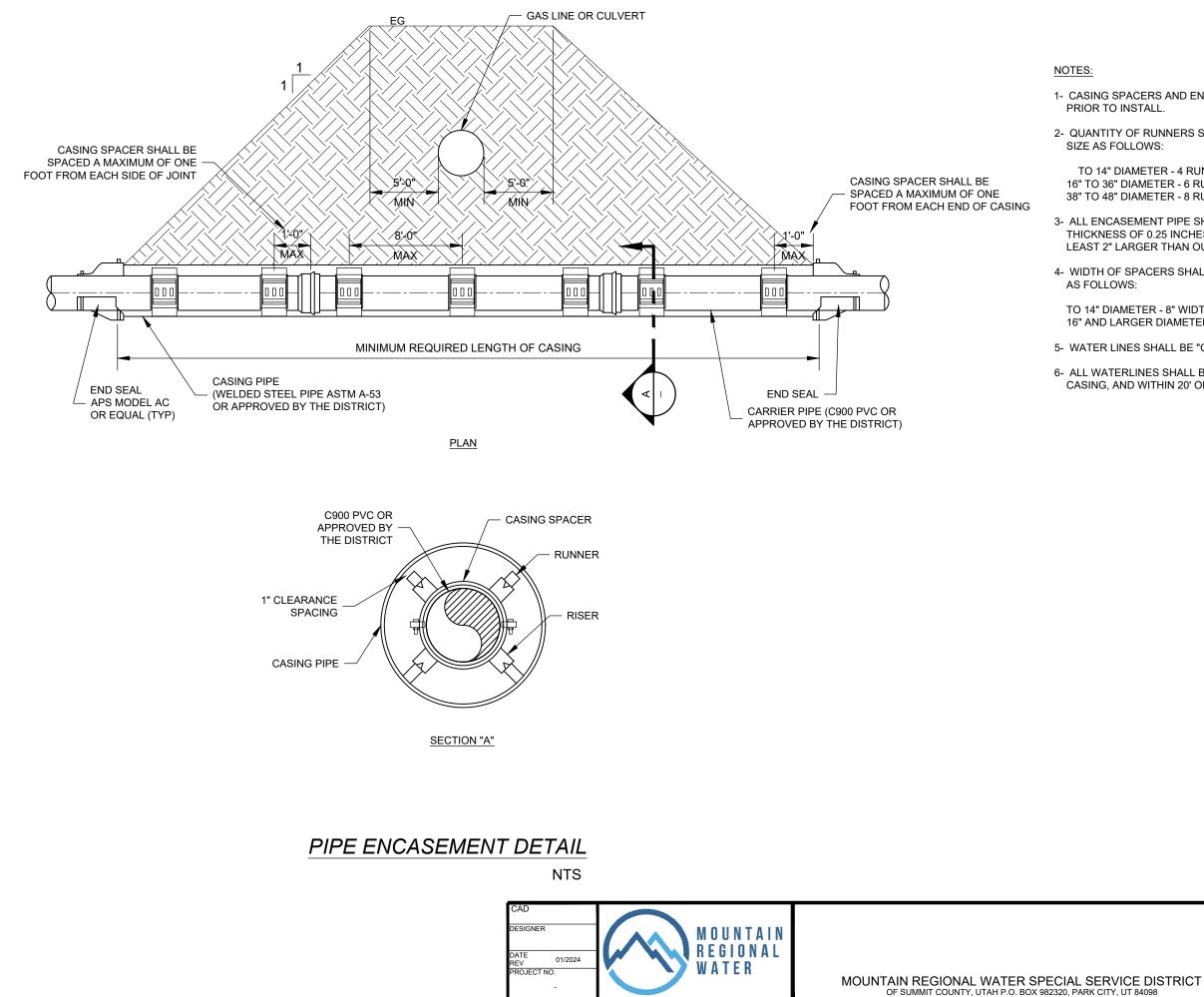
FLOW RATE FROM AIR GAP STRUCTURE NOT TO EXCEED 20 GPM AND TO BE APPROVED BY DISTRICT. MODIFICATIONS MAY BE REQUIRED TO PREVENT EXCEEDING MAXIMUM FLOW RATE.

STANDARD DETAIL

DRAWING NO.

WATER FEATURE AIR GAP

SUMMIT COUNTY, UT



1- CASING SPACERS AND END SEALS SHALL BE APPROVED BY THE DISTRICT

2- QUANTITY OF RUNNERS SHALL BE IN ACCORDANCE WITH CARRIER PIPE

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 INCHES. 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

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.

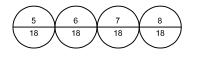
STANDARD DETAIL

PIPE ENCASEMENT

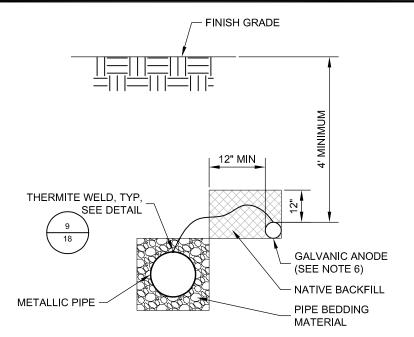
SUMMIT COUNTY, UT

DRAWING NO.

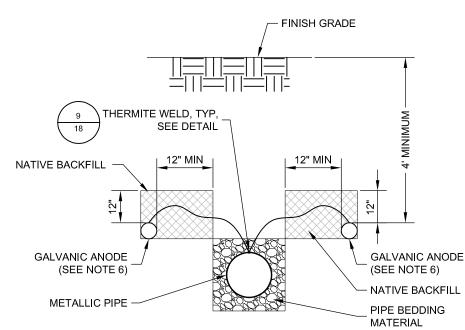
- 1. CATHODIC PROTECTION DESIGN IS BASED ON BURIED METALLIC PIPE AND APPURTENANCES BEING INSTALLED WITH A DIELECTRIC COATING.
- 2. SUPPLY METALLIC FITTINGS, VALVES, AND VALVE BOXES WITH FUSION BONDED EPOXY COATING, UNLESS SPECIFICALLY SPECIFIED OTHERWISE. APPLY DIELECTRIC COATING (WAX TAPE OR EPOXY) TO ALL METALLIC FITTINGS, VALVES, AND VALVE BOXES, UNLESS SPECIFICALLY SPECIFIED OTHERWISE. POLYETHYLENE ENCASEMENT IS NOT AN ACCEPTABLE COATING ALTERNATIVE.
- 3. THE SPECIFIED GALVANIC ANODE MATERIAL (I.E. HIGH POTENTIAL MAGNESIUM OR ZINC) IS BASED ON SOIL RESISTIVITY DATA FOR THE SPECIFIC INSTALLATION LOCATION. IN GENERAL, ZINC ANODES SHALL BE INSTALLED WHERE SOIL RESISTIVITY IS 1,500 OHM-CM OR LESS.
- 4. GALVANIC ANODES SHALL BE THE MATERIAL AND WEIGHT AS SPECIFIED.
- 5 GALVANIC ANODES SHALL BE SUPPLIED PREPACKAGED IN A CLOTH BAG AT 2.5 TIMES BARE WEIGHT IN 75% GYSPSUM, 20% BENTONITE, AND 5% SODIUM SULFATE BACKFILL WITH MANUFACTURER'S STANDARD 10-FOOT LONG, NO.8 AWG LEAD WIRE.
- INSTALL GALVANIC ANODES IN PIPE TRENCH APPROXIMATLEY 2 6. FEET FROM THE FITTING WHERE POSSIBLE, BUT NOT CLOSER THAN 12-INCHES FROM THE METALLIC FITTING.
- 7. WHERE REQUIRED, LOCATE MULTIPLE ANODES AT EQUAL SPACING ALONG PIPE FITTING ASSEMBLY AND ON OPPOSITE SIDES OF PIPE WHERE MORE THAN FOUR ANODES ARE REQUIRED.
- WHERE MULTIPLE ANODES ARE INSTALLED, MAINTAIN 5' CENTER 8. TO CENTER SEPARATION.
- ADDIONAL ANODES ARE REQUIRED ON METALLIC PIPE ASSEMBLIES 9. THAT EXCEED THE MAXIMUM COMBINED LENGTH LISTED IN THE SCHEDULE FOR ALL FITTINGS, VALVES, PIPE SPOOLS, AND OTHER METALLIC APPURTENANCES IN THE ASSEMBLY. EXCLUDING THRUST RESTRAINT, ADD ONE ANODE FOR EACH EXTRA PIPE LENGTH AND ONE ANODE FOR FRACTIONAL EXTRA PIPE LENGTH TO THE LISTED QUANTITY OF ANODES.
- 10. PIPE ASSEMBLIES FOR BLOW-OFFS, AIR RELEASE, AND FIRE HYDRANTS ARE BASED ON STANDARD CONSTRUCTION DETAILS AND INCLUDES ONE RESTRAINED MAINLINE TEE FITTING AND ALL OFFSET PIPE, FITTINGS, AND RISERS AS SHOWN ON THE APPLICABLE CONSTRUCTION DETAILS, ADDITIONAL ANODES ARE REQUIRED FOR-1) OFFSET PIPE LENGTH IN EXCESS OF THE MAXIMUM CONBINED LENGTH FOR THE OFFSET PIPE DIAMETER, AND 2) ADDITIONAL ANODES REQUIRED FOR EXTRA MAINLINE PIPE FITTINGS.
- 11. INSTALL BONDS ON ALL ADJACENT FITTING JOINTS WHERE MULTIPLE METALLIC FITTINGS ARE INSTALLED TOGETHER WITH JOINT BONDS AS SHOWN IN DETAILS.



- 12. BOND WIRES SHALL BE STRANDED COPPER WIRE WITH HMWPE OR THHN INSULATION, USE NO.2 AWG WIRE FOR BONDING PIPE OR FITTING JOINTS, USE NO.12 AWG WIRE FOR BONDING FOLLOWER RINGS AND RESTRAINED JOINT RINGS TO FITTING AS SHOWN.
- 13. TWO BOND WIRES REQUIRED FOR JOINT BONDING.
- 14. COAT ALL THERMITE WELDS, PIPE, AND EXPOSED COPPER WIRE WITH AQUATA-POXY, SCOTCHKOTE 206P THERMOPLASTIC PATCH MELT STICK COATING, WAX TAPE, DENSO PROTAL 7125/7300, OR COATING SYSTEM AS SPECIFIED.







NOTES:

1. WHERE MULTIPLE ANODES ARE INSTALLED,

- MAINTAIN 5' CENTER TO CENTER SEPARATION.
- 2. COAT CONNECTION AND ANY EXPOSED METAL WITH WAX TAPE OR EPOXY.





TABLE 1A-SCHEDULE OF ZINC ANODE QUANTITIES AND BARE WEIGHT FOR TYPICAL METALLIC ASSEMBLIES

DETAIL
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PIPE AND FITTINGS DESCRIPTION	MAX. COMBINED LENGTH	NO. OF ANODES AND WEIGHT FOR UP TO 24" PIPELINE DIAMETER	REFERENCE DETAIL
BEND	5'	1-32 LB	А
CROSS	5'	1-32 LB	В
TEE	5'	1-32 LB	С
MJ SOLID DEVICE	2'	1-32 LB	D
RESTRAINED JOINT	5'	1-32 LB	E
TAPPING SLEEVE AND VALVE	10'	3-32 LB	F
SERVICE SADDLE	2'	1-32 LB	G
FIRE HYDRANT	14'	3-32 LB	н
EXTRA PIPE LENGTH:			
1-32 LB ANODE FOR		15 FEET	
EXTRA FITTING LENGTH:		14 FEET	
2-32 LB ANODES FOR			

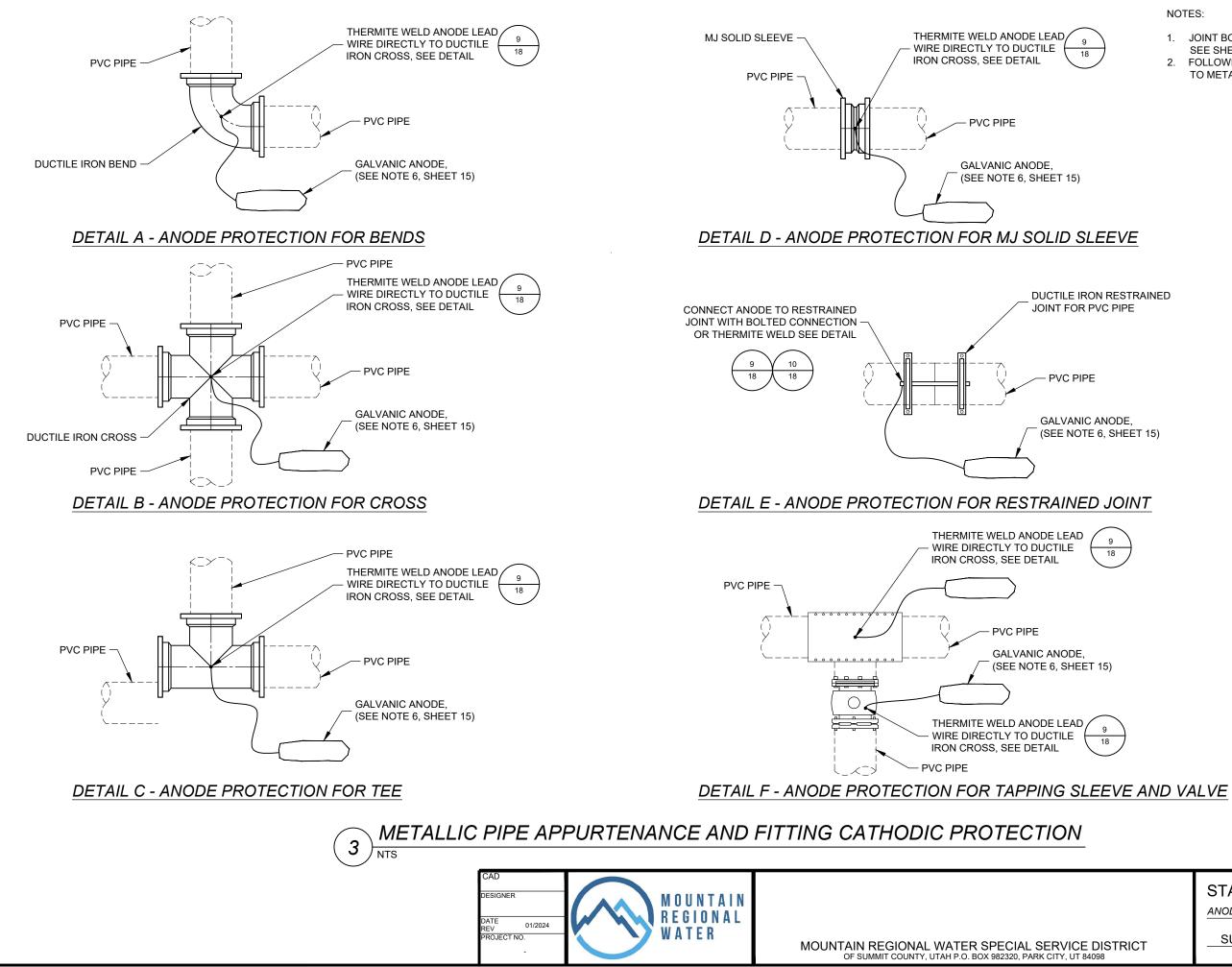
MOUNTAIN REGIONAL WATER SPECIAL SERVICE DISTRICT OF SUMMIT COUNTY, UTAH P.O. BOX 982320, PARK CITY, UT 84098

TABLE 1A-SCHEDULE OF HIGH-POTENTIAL MAGNESIUM ANODE QUANTITIES AND BARE WEIGHT FOR TYPICAL METALLIC ASSEMBLIES

STANDARD DETAIL ANODE PROTECTION DETAILS

DRAWING NO.

15



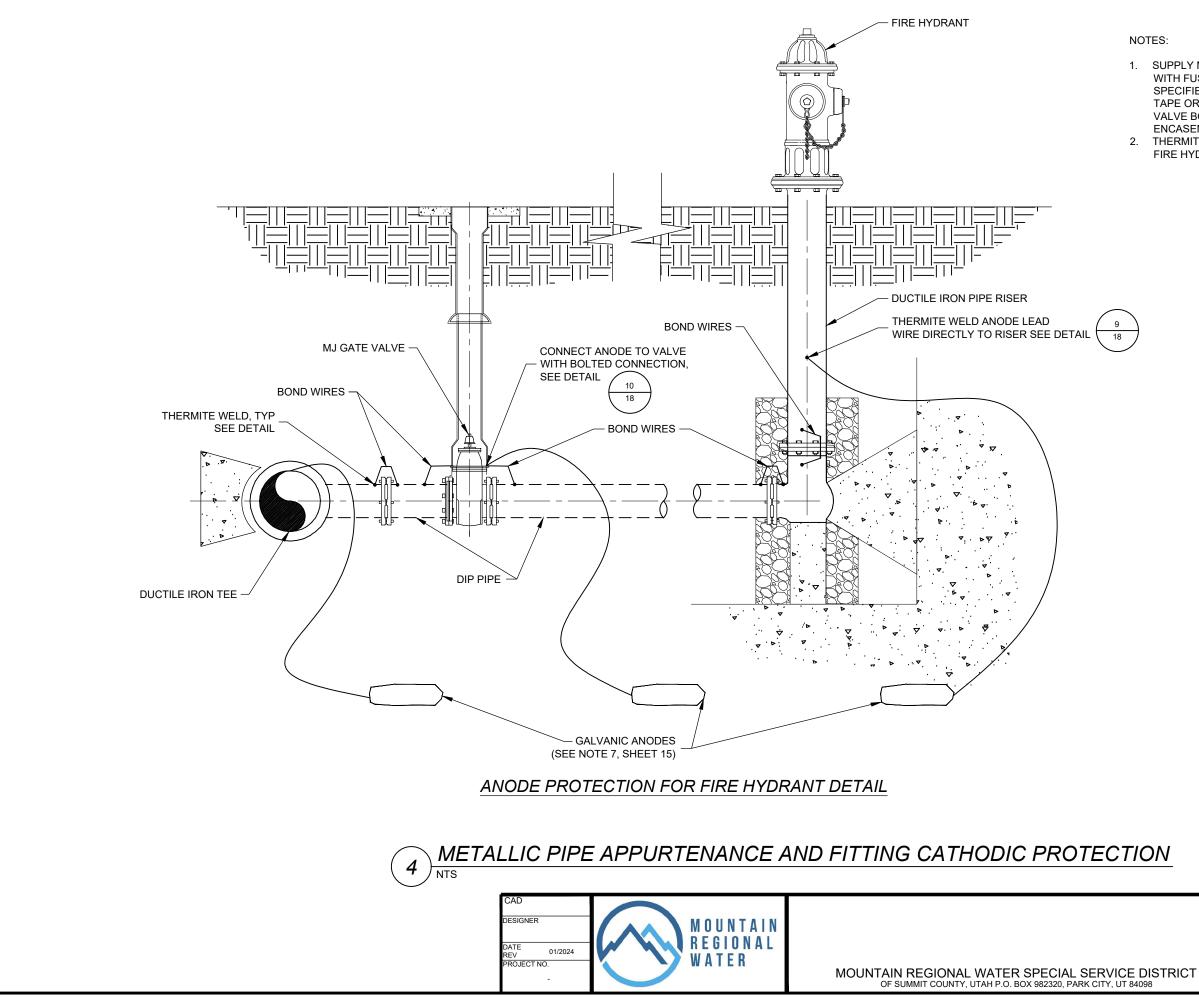
- 1. JOINT BONDING NOT SHOWN FOR CLARITY. SEE SHEET 17 FOR BONDING DETAILS.
- FOLLOWER RINGS TO BE ELECTRICALLY BONDED 2. TO METALLIC PIPE OR FITTING AS SHOWN ON DETAIL



STANDARD DETAIL ANODE PROTECTION DETAILS

DRAWING NO.

16



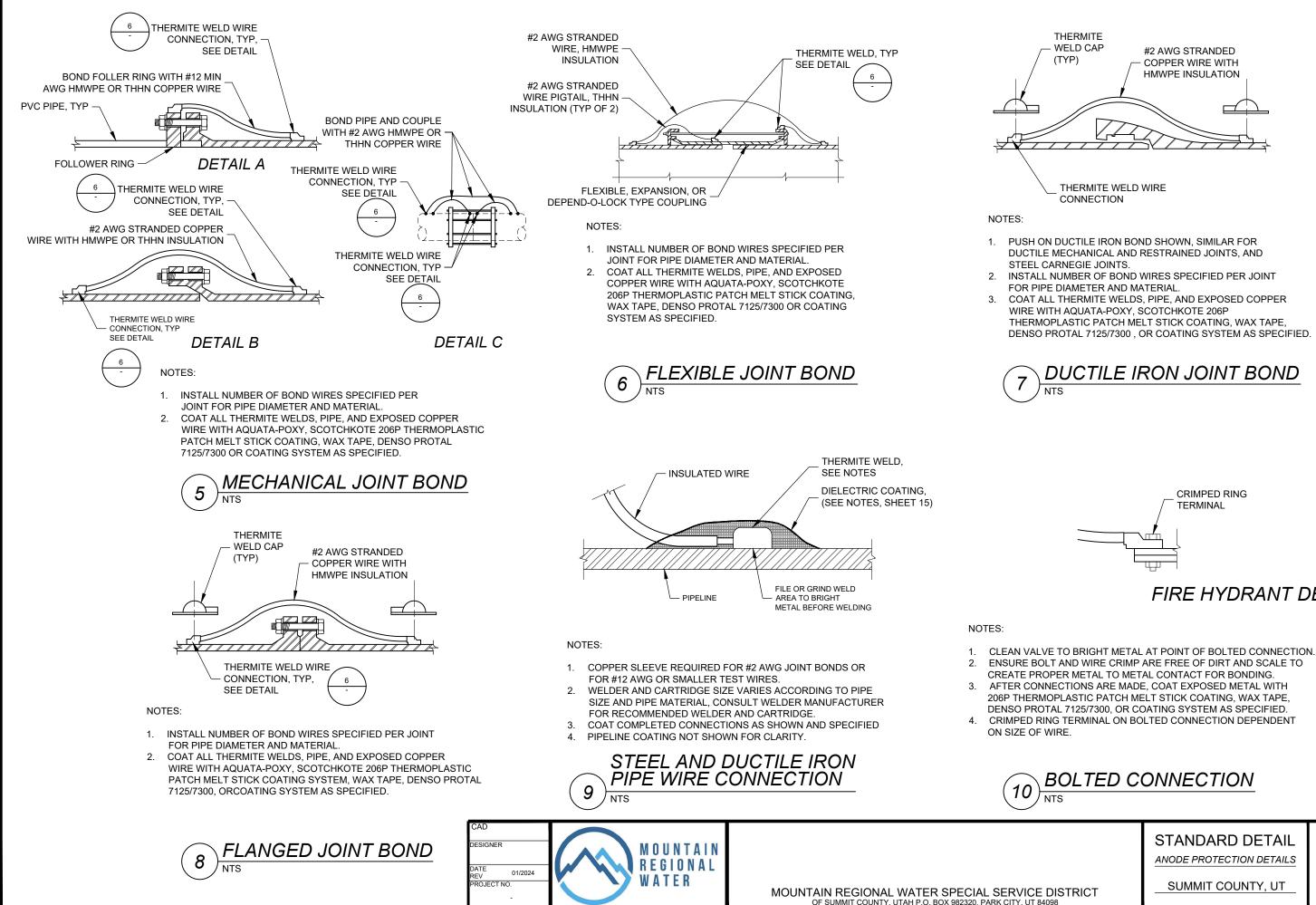
- 1. SUPPLY METALLIC FITTINGS, VALVES, AND VALVE BOXES WITH FUSION BONDED EPOXY COATING, UNLESS SPECIFICALLY SPECIFIED OTHERWISE. APPLY DIELECTRIC COATING (WAX TAPE OR EPOXY) TO ALL METALLIC FITTINGS, VALVES, AND VALVE BOXES, UNLESS SPECIFIED OTHERWISE. POLYETHYLENE ENCASEMENT IS NOT AN ACCEPTABLE COATING ALTERNATIVE.
- 2. THERMITE WELD ANODE LEAD WIRE DIRECTLY TO DUCTILE IRON FIRE HYDRANT RISER.

9 18

STANDARD DETAIL ANODE PROTECTION DETAILS

DRAWING NO.

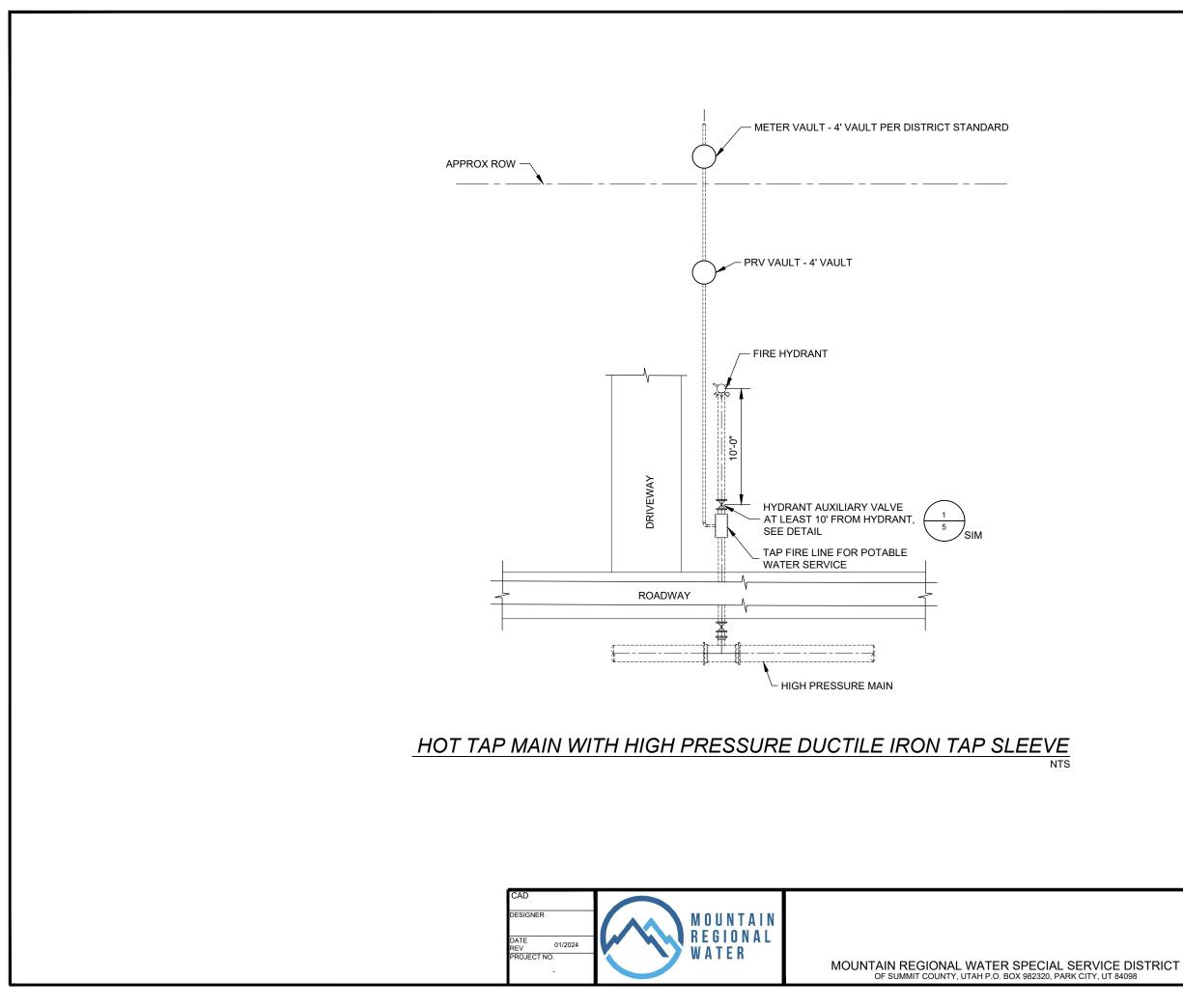
SUMMIT COUNTY, UT



FIRE HYDRANT DETAIL

NTS

DRAWING NO.

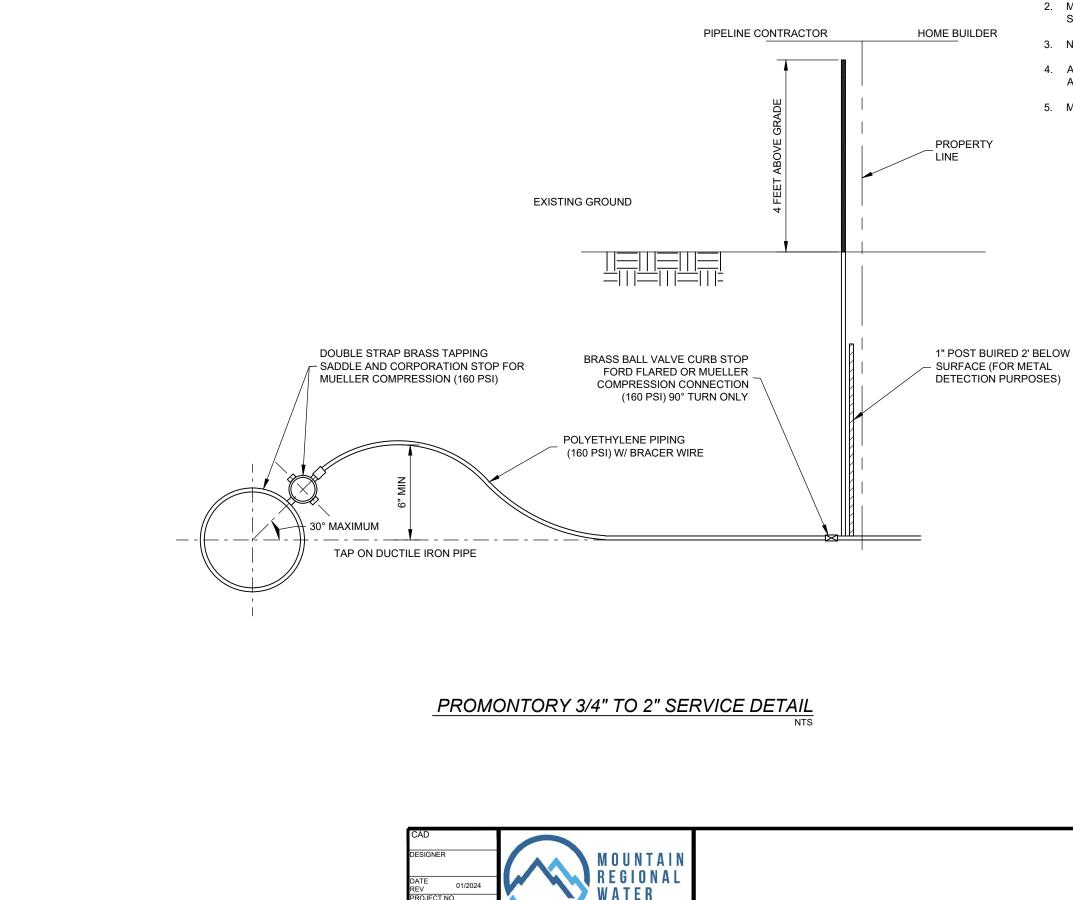


STANDARD DETAIL

DRAWING NO.

INDIVIDUAL PRV DETAIL

SUMMIT COUNTY, UT



PROJECT NO.

NOTES:

- 1. ALL WORK MUST BE INSPECTED PRIOR TO BACKFILL.
- 2. MINIMUM DISTANCE BETWEEN TAPS-30" WITH A MINIMUM 5' STAGGER.
- 3. NO TAPS WITHIN 30" FROM END OF PIPE.
- 4. ALL SERVICE TAPS ARE TO BE DONE WITH A TAPPING MACHINE APPROVED BY WATER CO.
- 5. MINIMUM DEPTH FOR WATER SERVICE TO BE 5'.

STANDARD DETAIL 3/4" TO 2" SERVICE DETAIL

DRAWING NO.

MOUNTAIN REGIONAL WATER SPECIAL SERVICE DISTRICT OF SUMMIT COUNTY, UTAH P.O. BOX 982320, PARK CITY, UT 84098

SUMMIT COUNTY, UT