

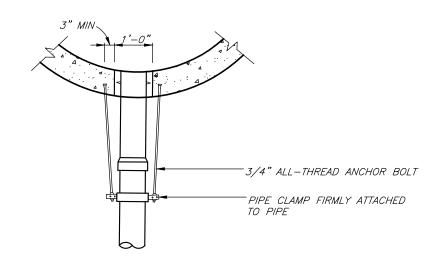
<u>DROP MANHOLE</u>

GENERAL NOTES:

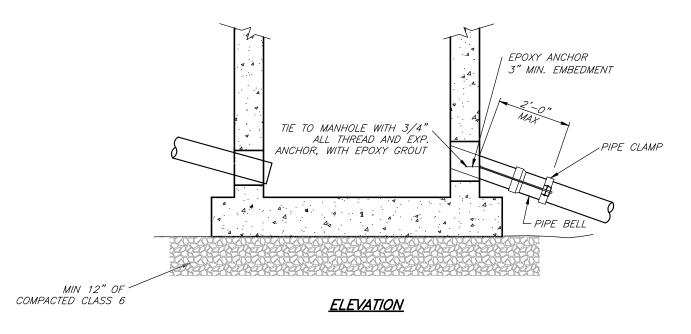
- 1. ALL CONCRETE WORK SHALL COMPLY WITH LATEST CI-318 SPECIFICATIONS
- A DROP MANHOLE IS REQUIRED WHEN THE "A" DIMENSION SHOWN ABOVE EXCEEDS 18"
- 3. SET ECCENTRIC MANHOLE RIM SECTION SO THAT THE RIM IS AWAY FROM THE EDGE OF ASPHALT AS MUCH AS POSSIBLE.

DETAIL "SO2"





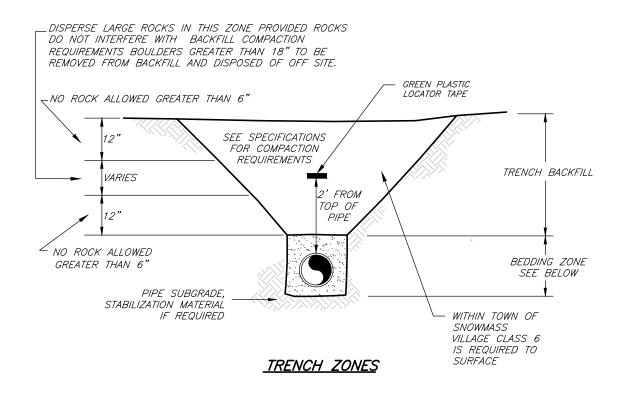
TOP VIEW

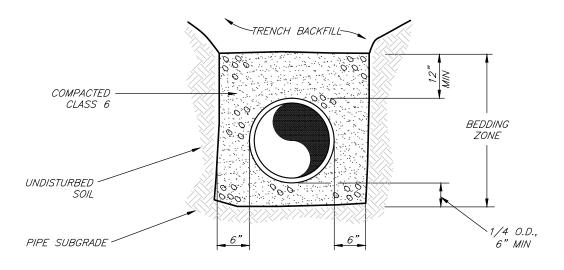


ANCHOR MANHOLE

NOTE: ANCHOR MANHOLES ARE REQUIRED WHERE PIPE SLOPE EXCEEDS 20% EXITING THE MANHOLE ONLY

DETAIL "SO4"





PIPE BEDDING ZONE

SEWER PIPE BEDDING

NOTE: 3/4 SCREENED ROCK IN WET AREAS IN PLACE OF CLASS 6 ONLY APPROVED AS NEEDED

DETAIL "S05"

By: FBLACKWELDER

GALVANIZED STEEL "T" RAIL POST, 4'-0"

LONG, CAST INTO CONCRETE COLLAR,

PAINT TOP 6" OF POST GREEN WITH 1" TAP FOR JETTING.

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- PRESSURE CLEANOUTS ARE REQUIRED AT THE BOTTOM OF MOST LOCATIONS WHERE PRESSURES MAY EXCEED
- 5. FOR SKIWAY APPLICATIONS WHERE MANHOLE AND RINGS ARE USED TO COVER CLEANOUT, 3M LOCATING DISK SHALL ALSO BE INSTALLED 1' TO 2' BELOW MANHOLE RING AND COVER.

TAPPED COUPLING WITH ALL

SEE NOTE 3

MID DEPTH

6

0 *≥*

BRONZE, INTERNAL PILOT ANGLE

4X4-W10XW10 WWF @

ŔOCK

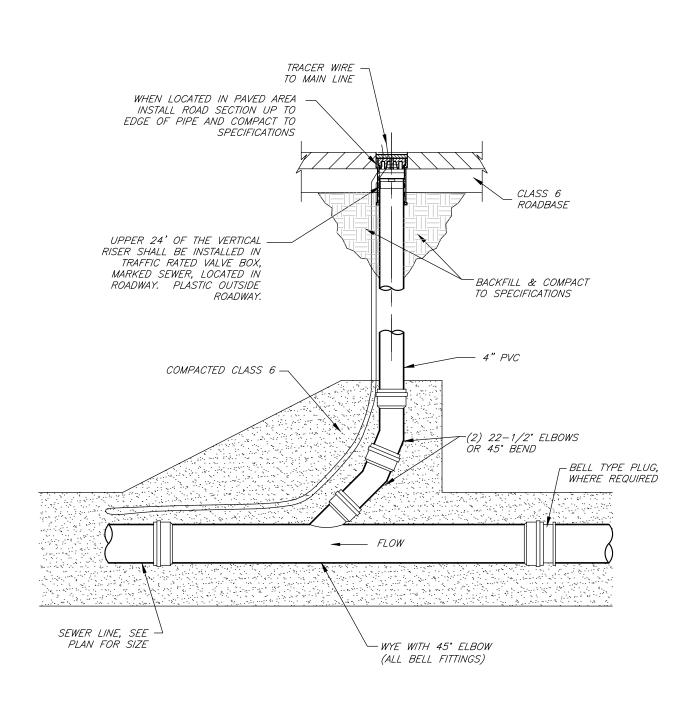
CONCRETE ENCASEMENT TO SPRINGLINE OF PIPE

RESTRAINED COUPLING

PIPE BEDDING

(TYP)

3/4" SCREENED



SEWER CLEAN-OUT

NOTES.

- 1. FOR SKIWAY APPLICATIONS WHERE MANHOLE AND RINGS ARE USED TO COVER CLEANOUT, 3M LOCATING DISK SHALL ALSO BE INSTALLED 1' TO 2' BELOW MANHOLE.
- 2. MUST BE TRAFFIC RATED IF INSTALLED IN TRAFFIC AREAS.

DETAIL "SO8"

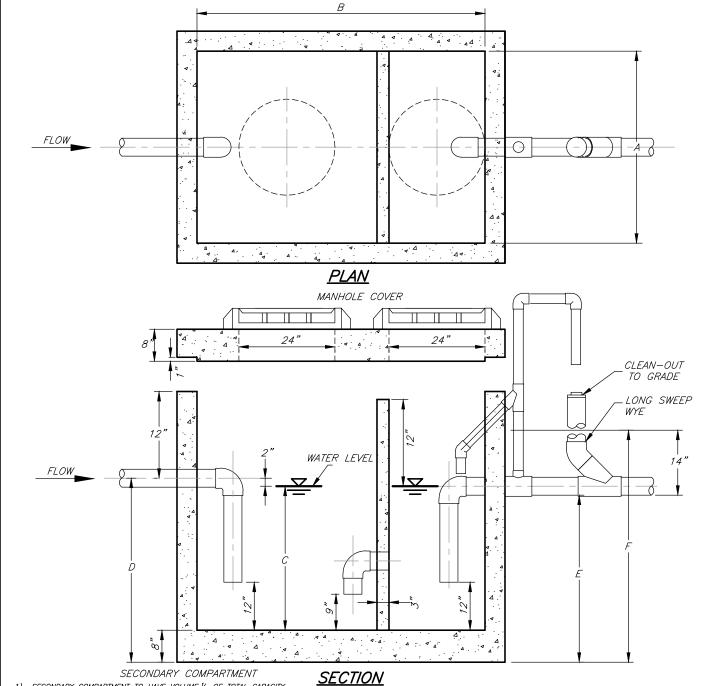
SEWER MAINTENANCE ACCESS

NOTES:

I:\2013\2013-321 SNOWMASS W&SD\001 MISCELLANEOUS ENGINEERING SERVICES\09 RULES AND REGULATIONS\DETAILS\DWG\S9-SEWERMAINTACCESS-DI

- 1. THE CONTRACTOR SHALL GRADE ALL OFFROAD SEWER LINE TRENCHES TO PROVIDE ACCESS PLATFORM.
- 2. ACCESS PLATFORMS SHALL BE GRADED TO MATCH ROAD GRADES TO PROVIDE VEHICULAR ACCESS AT ALL ROAD AND PLATFORM ACCESS INTERSECTIONS. MAXIMUM GRADE FOR BACKLOT ACCESS SHALL BE 7%.

DETAIL "S09"

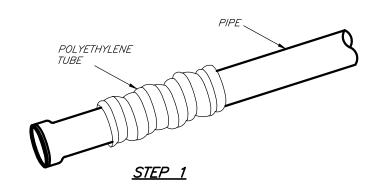


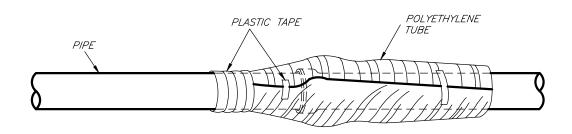
- 1) SECONDARY COMPARTMENT TO HAVE VOLUME 1/3 OF TOTAL CAPACITY
- 2) ALL PIPE AND FITTINGS TO BE SCHEDULE 40 PVC, 4" MINIMUM DIAMETER
- 3) ALL CONCRETE TO INCLUDE FIBERMESH REINFORCEMENT
- 4) COVERS TO BE REINFORCED LONGITUDINALLY WITH #6 REBAR ON 6"
 CENTERS, #4 REBAR ON 6" CENTERS WIDTHWISE AND #8 REBAR
 DIAGONALLY AROUND ACCESS HOLES
- 5) CLEAN OUT SHALL CONFORM TO STANDARD SEWER CLEAN—OUT DETAIL "24" OF THE SWSD RULES AND REGULATIONS
- 6) MANHOLE RING AND COVER SHALL CONFORM TO SECTION XI (SANITARY SEWERLINES) OF THE SWSD RULES AND REGULATIONS
- 7) A SHOP DRAWING DEPICTING ACTUAL DIMENSIONS, PENETRATION LOCATIONS AND REINFORCEMENT SIZE SHALL BE SUBMITTED TO THE DISTRICT FOR APPROVAL.
- 8) NO BOLT DOWN COVERS ARE ALLOWED WITHOUT THE PRIOR AUTHORIZATION OF THE DISTRICT
- 9) ALL CONCRETE WALL PENETRATIONS TO BE FILLED WITH NON SHRINK GROUT SUBSEQUENT TO PIPE INSTALLATION
- 10) THE TOTAL CAPACITY SHALL ACCOMMODATE A 30 MINUTE DETENTION TIME AT PEAK HOUR FLOW.
- 11) CAPACITY IS ALSO DETERMINED BY FREQUENCY OF CLEANING.
- 12) FLOW SHALL BE DETERMINED BY A PROFESSIONAL ENGINEER.

WATER CAPACITY APPROXIMATE GALLONS	GREASE CAPACITY APPROXIMATE CUBIC FEET	DIMENSIONS						
		TWO COMPARTMENT TANK, INCHES						<i>S</i>
		Α	В	С	D	Ε	F	G
320	17	48	72	22	32	30	44	24
500	32	48	72	36	46	44	58	24
780	47	48	96	40	40	48	62	20
1060	74	72	102	34	34	42	56	30
1250	87	80	112	<i>35</i>	45	48	<i>57</i>	36
2000	142	80	128	46	56	54	68	42
	CAPACITY APPROXIMATE GALLONS 320 500 780 1060 1250	CAPACITY APPROXIMATE GALLONS CAPACITY APPROXIMATE CUBIC FEET 320 17 500 32 780 47 1060 74 1250 87	CAPACITY APPROXIMATE GALLONS CAPACITY APPROXIMATE CUBIC FEET TW 320 17 48 500 32 48 780 47 48 1060 74 72 1250 87 80	CAPACITY APPROXIMATE GALLONS CAPACITY APPROXIMATE CUBIC FEET TWO COM 320 17 48 72 500 32 48 72 780 47 48 96 1060 74 72 102 1250 87 80 112	CAPACITY PPROXIMATE GALLONS CAPACITY APPROXIMATE CUBIC FEET TWO COMPARTI A B C 320 17 48 72 22 500 32 48 72 36 780 47 48 96 40 1060 74 72 102 34 1250 87 80 112 35	CAPACITY PRODUMATE GALLONS CAPACITY APPROXIMATE CUBIC FEET TWO COMPARTMENT 320 17 48 72 22 32 500 32 48 72 36 46 780 47 48 96 40 40 1060 74 72 102 34 34 1250 87 80 112 35 45	CAPACITY PPROXIMATE GALLONS CAPACITY APPROXIMATE CUBIC FEET TWO COMPARTMENT TANK, APPROXIMATE CUBIC FEET 320 17 48 72 22 32 30 500 32 48 72 36 46 44 780 47 48 96 40 40 48 1060 74 72 102 34 34 42 1250 87 80 112 35 45 48	TWO COMPARTMENT TANK, INCHE A B C D E F

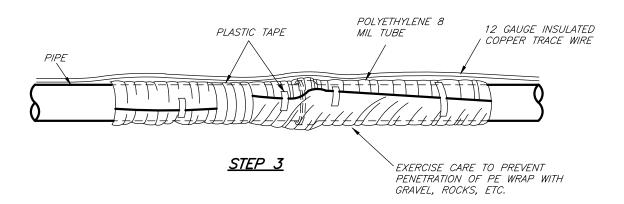
GREASE INTERCEPTOR

DETAIL "S10"





STEP 2



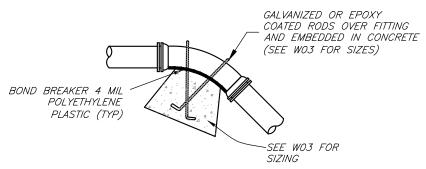
<u>POLYETHYLENE WRAP</u>

FIELD INSTALLATION — POLYETHYLENE WRAP WHERE SPECIFICALLY REQUIRED FOR SOIL APPLICATIONS

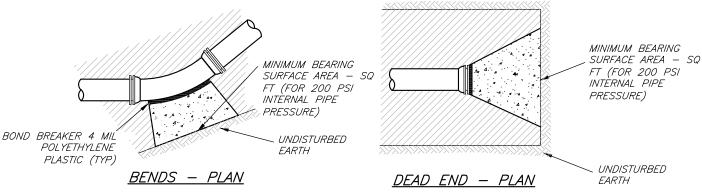
- STEP 1 PLACE TUBE OF POLYETHYLENE MATERIAL ON PIPE PRIOR TO LOWERING IT INTO PLACE
- STEP 2 PULL THE TUBE OVER THE LENGTH OF THE PIPE. TAPE TUBE TO PIPE AT JOINT. FOLD MATERIAL AROUND THE ADJACENT SPIGOT END AND WRAP WITH TAPE TO HOLD THE PLASTIC TUBE IN PLACE.
- STEP 3 OVERLAP FIRST TUBE WITH ADJACENT TUBE AND SECURE WITH PLASTIC
 ADHESIVE TAPE. THE POLYETHYLENE TUBE MATERIAL COVERING THE PIPE SHALL
 BE LOOSE. EXCESS MATERIAL SHALL BE NEATLY DRAWN UP AROUND THE PIPE
 BARREL, FOLDED ON TOP OF PIPE AND TAPED IN PLACE.

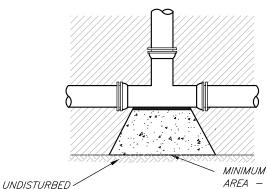
DETAIL "WO1"

EARTH



VERTICAL THRUST BLOCK - SECTION





MINIMUM BEARING SURFACE
AREA - SQ FT (FOR 200
PSI INTERNAL PIPE
PRESSURE)

TYPICAL CROSS SECTION

MINIMUM BEARING SURFACE AREA

— SQ FT (FOR 200 PSI INTERNAL
PIPE PRESSURE)

BEDDING
MATERIAL

P/3 O.D.
PIPE

\ \ UNDISTURBED EARTH S. SECTION

MINIMUM BEARING SURFACE (SF) FOR 200 PSI AND LESS

TEE - PLAN

SIZE		TEE OR			
OF PIPE	11-1/40	22-1/20	45 ⁰	900	DEAD END
6"	1.3	2.5	5.0	9.0	6.4
8"	1.3	2.5	5.0	9.0	6.4
10"	1.9	3.8	7.4	<i>13.7</i>	9.7
12"	2.7	<i>5.4</i>	10.5	19.3	<i>13.7</i>
16"	4.7	9.3	9.1	33.6	23.8
20"	7.2	14.3	28.0	51.8	36.6

MINIMUM BEARING SURFACE (SF) FOR 250 PSI AND LESS

SIZE		TEE OR DEAD			
OF PIPE	11-1/40	22-1/2	45 ⁰	900	END END
6"	1.6	3.1	6.2	11.4	8.0
8"	1.6	3.1	6.2	11.4	8.0
10"	2.4	4.7	9.25	1 <i>7.</i> 1	12.0
12"	3.4	6.7	13.1	24.2	17.1
16"	5.8	11.6	22.7	42.0	29.7
20"	9.0	17.9	35.0	64.8	45.8

CONCRETE THRUST BLOCKS

NOTES:

- 1. FOR 200 PSI INTERNAL PRESSURE, INCLUDING WATER HAMMER
- 2. MEGALUG RESTRAINTS MAY BE USED IN CONJUNCTION WITH THRUST BLOCKS WITH PRIOR APPROVAL FROM THE DISTRICT
- 3. MINIMUM AREA REQUIRED WILL BE THAT OF AN 8-INCH MAIN
- 4. ALL THRUST BLOCKS SHALL BE FORMED. THE MINIMUM THICKNESS FORM MATERIAL SHALL BE 3/8" PLYWOOD
- 5. BEARING AREA BASED ON SOIL BEARING PRESSURE OF 2000 LB/SF
- 6. CONCRETE SHALL HAVE A 28 DAY COMPRESSION STRENGTH OF 3000 PSI

DETAIL "WO2"

VOLUME OF THRUST BLOCK IN CUBIC YARDS (VERTICAL DOWNWARD BENDS)

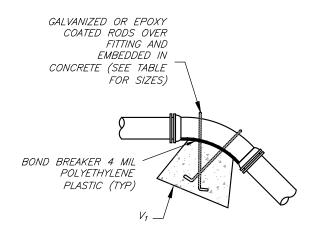
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	V ₁					
FITTING SIZE (IN)	45° BEND (CY)	22 1/2° BEND (CY)	11 1/4° BEND (CY)	ROD SIZE	EMBEDMENT (FT)	
6	2.0	1.1	0.5	#6	2.5	
8	2.0	1.1	0.5	#6	2.5	
10	3.1	1.7	0.9	#6	2.5	
12	4.4	2.4	1.2	#6	2.5	
14	6.1	3.3	1.7	#8	3.0	
16	7.9	4.3	2.2	#8	3.0	

VERTICAL DOWNWARD BENDS:

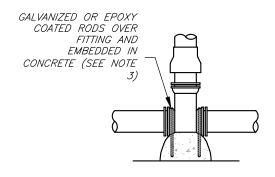
- 1. VERTICAL BENDS THAT REQUIRE A THRUST BLOCK VOLUME EXCEEDING 5 CUBIC YARDS, REQUIRE SPECIAL BLOCKING DETAILS. SEE DRAWINGS FOR VOLUMES SHOWN TO LEFT OF HEAVY BOLD LINE IN TABLE.
- 2. THRUST BLOCK VOLUMES (IN TABLE) FOR VERTICAL DOWNWARD BENDS HAVING UPWARD RESULTANT THRUSTS ARE BASED ON TEST PRESSURE OF 150 PSI, THE WEIGHT OF CONCRETE = 4050 LBS/CUBIC YARD, AND A SAFETY FACTOR OF 1.5. TO COMPUTE VOLUMES FOR DIFFERENT TEST PRESSURES AND CONCRETE WEIGHTS, USE THE FOLLOWING EQUATION:

VOLUME = (TEST PRESSURE / 150) X (4050 / CONCRETE WEIGHT) X (TABLE VALUE)

3. VOLUME OF THRUST BLOCK IN CUBIC YARDS FOR VALVES SHALL BE THE SAME VOLUME USED FOR 11 1/4 BENDS.

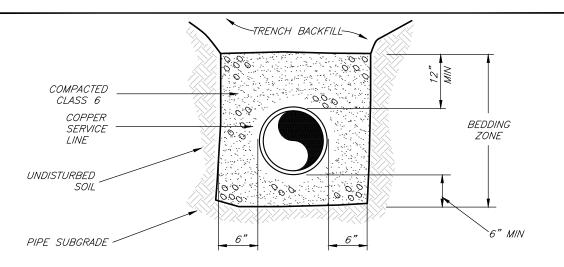


<u>VERTICAL DOWNWARD BEND</u>

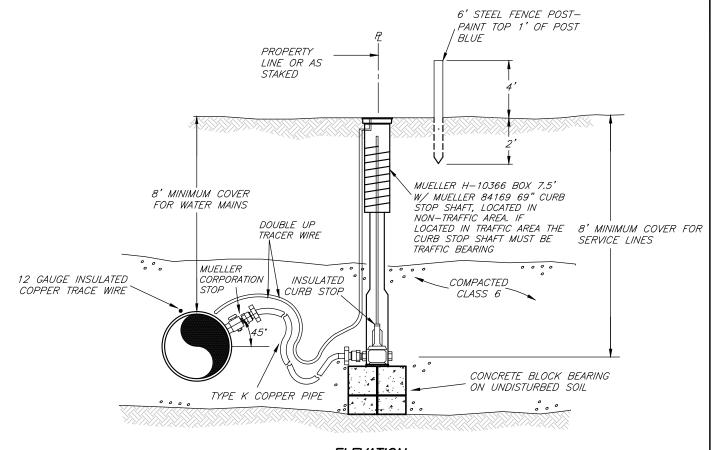


<u>VAL VE</u>

DETAIL "WO3"



SERVICE STUB-OUT BEDDING



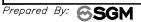
ELEVATION

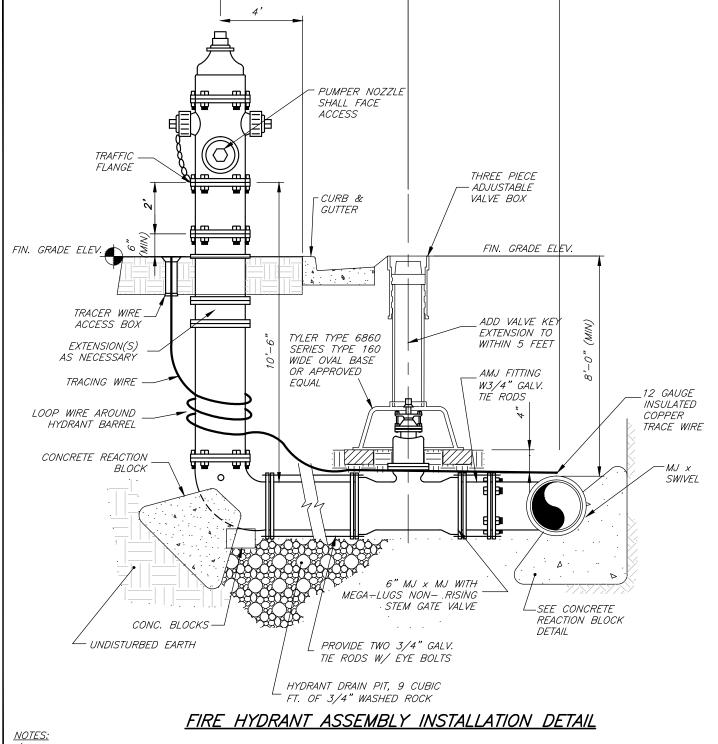
WATER SERVICE STUB OUT

GENERAL NOTES

- 1. CURB STOP TO BE LOCATED WITHIN THE PROPERTY LINE OR AT THE EDGE OF EASEMENT—WHICHEVER IS CLOSER TO THE MAIN.
- 2. CURBSTOP ALL FITTINGS SHALL BE COMPRESSION FITTINGS.
- 3. CURBSTOP MANUFACTURER REFERENCE MUELLER B25204 OR APPROVED EQUAL.
- 4. CURB BOX AND LID MUST BE TRAFFIC RATED NOT THE CUR'BSTOP SHAFT. SHAFT MUST NOT BE IN CONTACT WITH CURB BOX.

DETAIL "WO4"





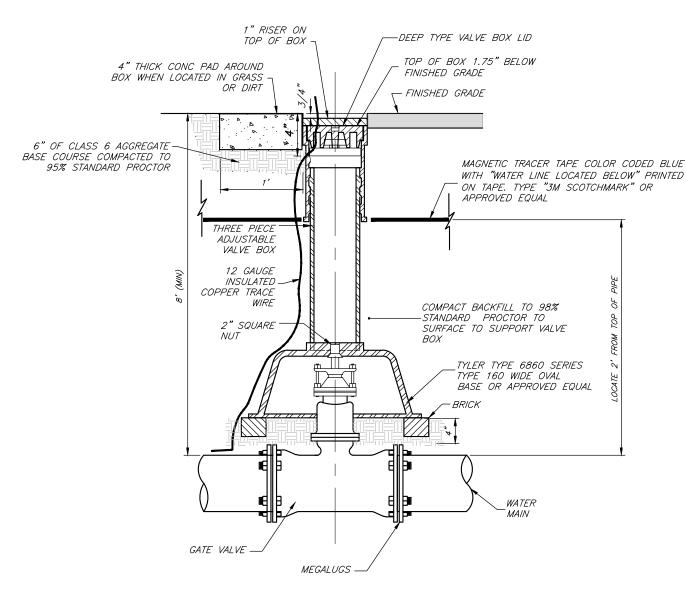
PER SPECIFICATIONS

CONNECT VALVE

TO TEE

- 1) ALL JOINTS FROM MAIN TO HYDRANT SHALL BE RESTRAINED MECHANICAL JOINTS.
- 2) HYDRANT, VALVE AND FITTINGS TO BE 250 P.S.I. RATED.
- 3) POLYETHYLENE WRAP SHALL COVER D.I.P. ASSEMBLY FROM HYDRANT BASE TO WATER MAIN. DO NOT BLOCK WEEP HOLE.
- 4) ALL HYDRANT LEAD PIPING TO BE 6" CLASS 250 D.I.P. UNLESS OTHERWISE NOTED
- 5) CENTERLINE OF HYDRANT TO BE 4'-0" FROM BACK OF CURB UNLESS OTHERWISE NOTED.
- 6) INSTALL VALVE STEM EXTENSION AS NEEDED TO INSURE THE DISTANCE FROM VALVE BOX LID TO TOP OF NUT SHALL NOT EXCEED 5'-0"

DETAIL "WO5"

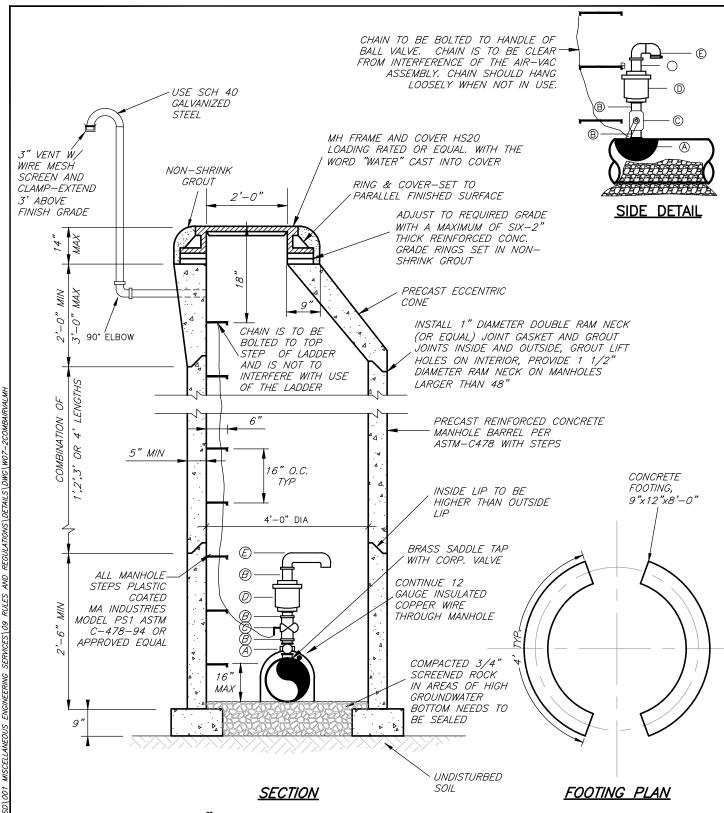


TYPICAL GATE VALVE

NOTES:

- 1. ALL VALVES ADJACENT TO FITTING SHALL BE MJ. IN LINE VALVES TO BE MJ x MJ. DESIGN LOCATIONS OF VALVES ARE OUTSIDE OF CONCRETE, CURB/GUTTER AND VALLEY PANS.
- 2. INSTALLED VALVES WHICH CONFLICT WITH CONCRETE AREAS SHALL BE RELOCATED AT THE CONTRACTOR'S EXPENSE.
- 3. THIS DETAIL DOES NOT APPLY TO HYDRANT ASSEMBLY VALVES.
- 4. INSTALL VALVE STEM EXTENSION AS NEEDED TO INSURE THE DISTANCE FROM VALVE BOX LID TO TOP OF NUT SHALL NOT EXCEED 5'-0"
- 5. THE TRACER WIRE SHALL BE EXTENDED TO THE SURFACE AT ALL VALVES AND FIRE HYDRANTS. THE WIRE SHALL BE EXTENDED TOWARDS THE GROUND ON THE OUTSIDE OF THE VALVE BOX UNTIL THE WIRE IS WITHIN FOUR INCHES (4") OF THE TOP OF THE LID, AT WHICH POINT IT SHALL BE BROUGHT BACK INSIDE THE BOX AND SECURELY FASTENED. SUFFICIENT SLACK IN THE OUTSIDE OF THE WIRE SHALL BE PROVIDED TO COMPENSATE FOR ANY FUTURE ADJUSTMENT TO THE VALVE BOX.
- 6. ADD SOLID PIPE FOR VALVE BOX OVER 9 FEET

DETAIL "WO6"



<u>2" COMBINATION AIR VALVE & MANHOLE</u>

<u>LEGEND</u>

SNOWMASS

- A) 2" CORPORATION TAPERED THREADS INLET
- B 2" X 4" THREADED BRASS NIPPLE
- (C) 2" THREADED BALL VALVE
- (D) 2" THREADED INLET APCO 144 AIR AND VACUUM RELEASE VALVE
- E) 2" X 90° PLASTIC ELBOW

GENERAL NOTES

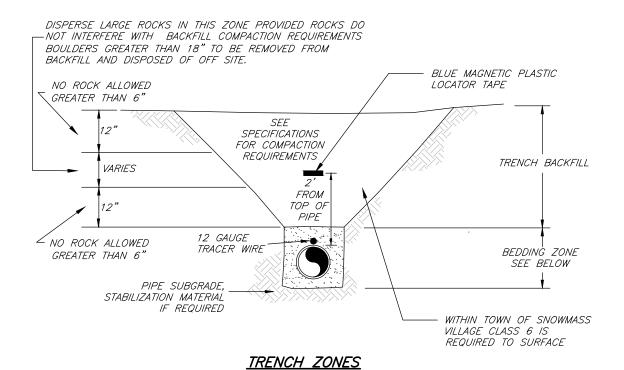
- 1. ALL CONCRETE WORK SHALL COMPLY WITH LATEST ACI—318 SPECIFICATIONS
- 2. AIR VALVE ASSEMBLY LARGER THAN 2" SIZE SHALL BE SPECIALLY DESIGNED AND MEET WATER DEPARTMENT REQUIREMENTS

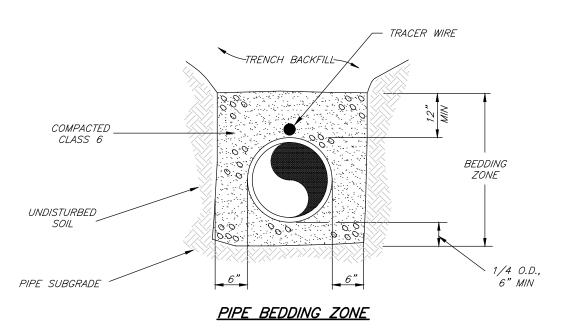
DETAIL "WO7"

Prepared By: SGM

SNOWMASS WATER & SAN. DISTRICT

Date: 10/03/13 By: FBLACKWELDER

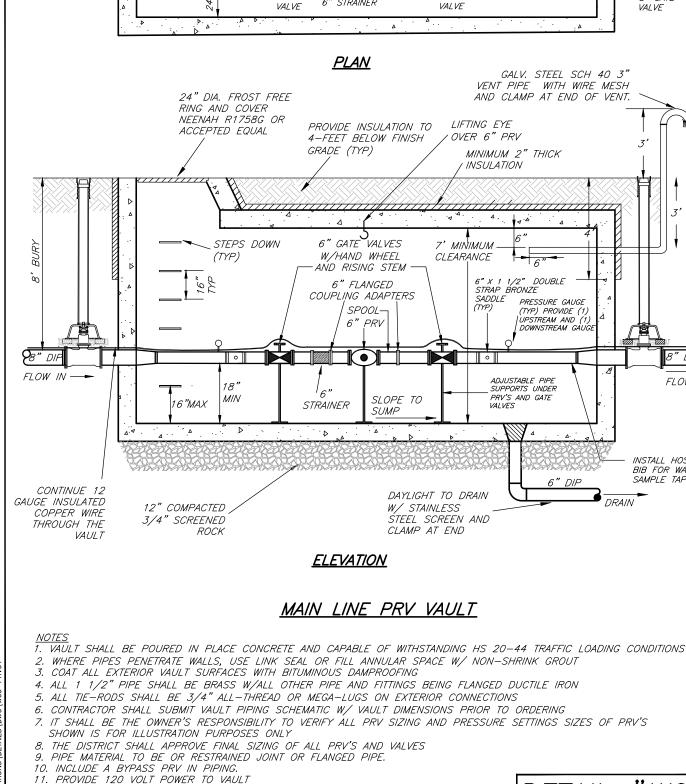




NOTE: 3/4 SCREENED ROCK IN WET AREAS IN PLACE OF CLASS 6 ONLY APPROVED AS NEEDED

WATER PIPE BEDDING

DETAIL "WO8"



. . 1.5" GATE

1.5" STRAINER

6" GATE

VAI VA

-1.5" GATE VALVE

6" GATE

1.5" BYPASS

8" GATE

VALVE

.3

DIPO

FLOW OUT

INSTALL HOSE BIB FOR WATER

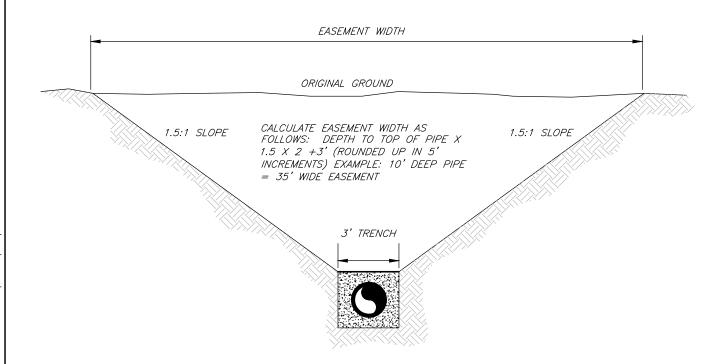
SAMPLE TAP

DRAIN

†_{1.5" PRV}

•

6" STRAINER



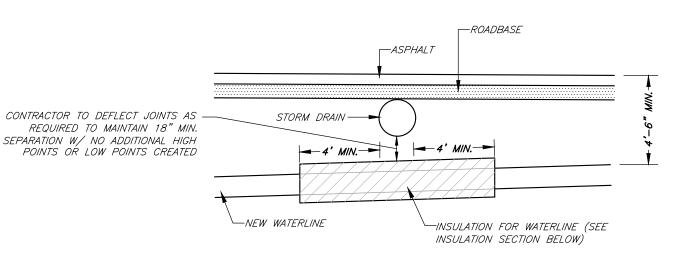
EASEMENT WIDTH

MINIMUM EASEMENT WIDTH

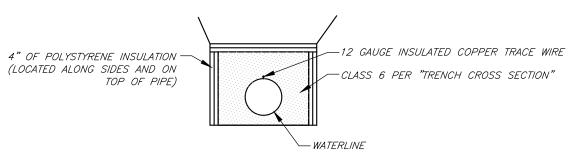
GENERAL NOTES:

- 1. MINIMUM EASEMENT WIDTH OF 20 FEET FOR 1 LINE
- 2. MINIMUM EASEMENT WIDTH OF 30 FEET FOR 2 LINES
- 3. NO PERMANENT IMPROVEMENTS SHALL BE INSTALLED WITHIN EASEMENT AREA SUCH AS LANDSCAPING, CONCRETE, ETC.

DETAIL "W10"

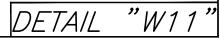


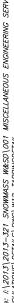
ELEVATION WATERLINE/CULVERT CROSSING NO SCALE

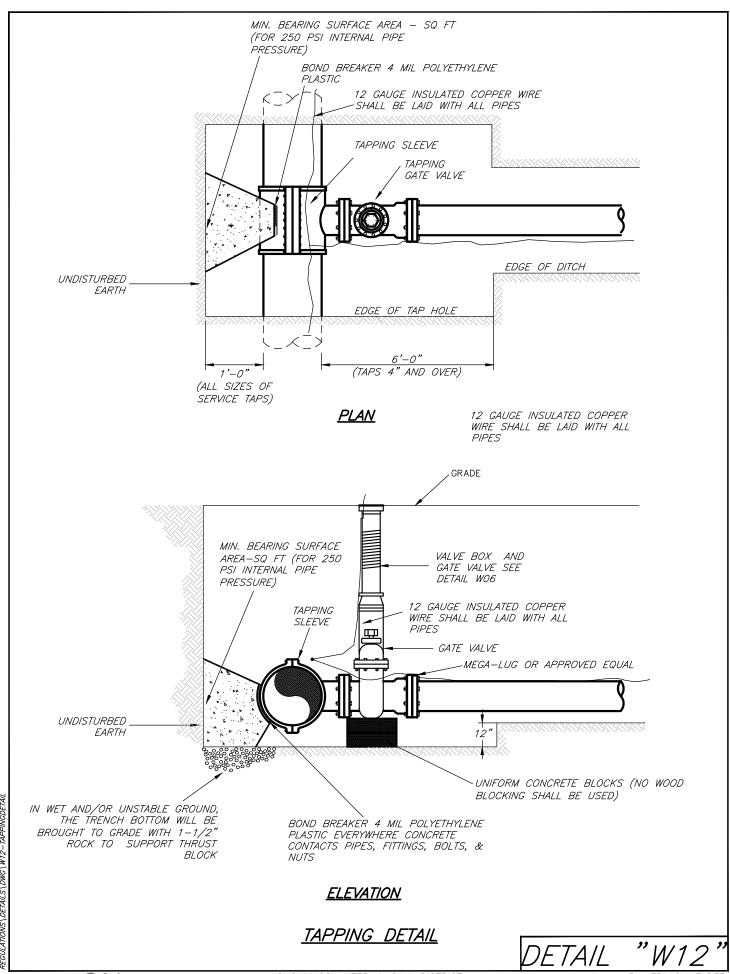


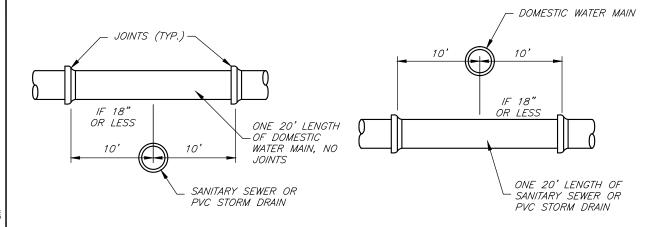
INSULATION SECTION NO SCALE

INSULATION DETAIL

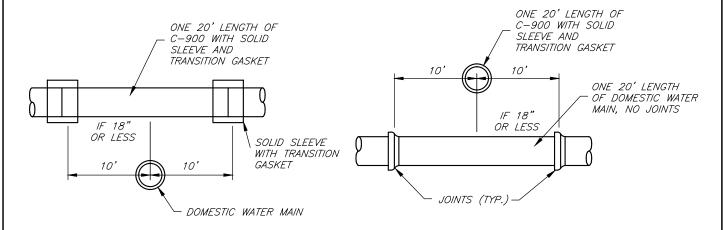








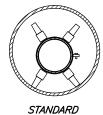
WATER MAIN ABOVE

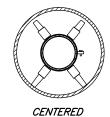


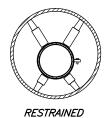
WATER MAIN BELOW

WATER/SEWER CROSSING

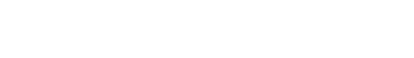
DETAIL "W13"

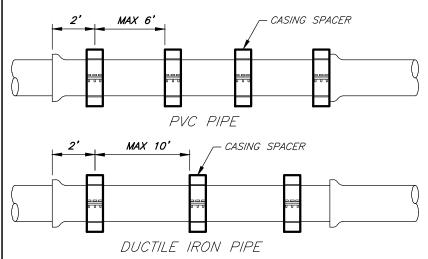


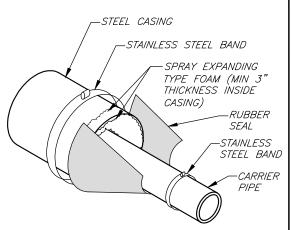




BASIC POSITIONS







PLACEMENT OF SPACERS ON CARRIER PIPE

END SEAL

PIPE CASING DETAIL

NTS

NOTES:

REGULATIONS\DETAILS\DWG\W14—ENCASEO2

RULES AND

SERVICES \ 09

ENGINEERING

MISCELLANEOUS

W&SD\001

SNOWMASS

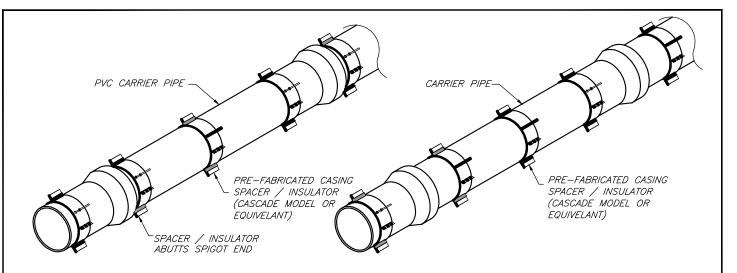
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<u>GENERAL:</u> ONE SPACER SHALL BE PLACED NOT MORE THAN TWO FEET FROM EACH END OF THE CASING SUBSEQUENT SPACERS SHALL BE PLACED AT 10' INTERVALS WITHIN THE CASING.

PVC CARRIER: ONE SPACER SHALL BE PLACED ON THE SPIGOT END OF EACH SEGMENT AT THE LINE MARKING THE LIMIT OF INSERTION INTO THE BELL. WHEN THE JOINT IS COMPLETE, THE SPACER SHALL BE IN CONTACT WITH THE BELL OF THE JOINT SO THAT THE SPACER PUSHES THE JOINT AND RELIEVES COMPRESSION WITHIN THE JOINT. SUBSEQUENT SPACERS SHALL BE PLACED AT 6' INTERVALS.

- 1. CARRIER PIPE SHALL BE INSERTED WITHIN CASING BY USE OF MODEL CCS STAINLESS STEEL CASING SPACERS AS MANUFACTURED BY CASCADE WATERWORKS MFG. CO. OF YORKVILLE, IL OR APPROVED EQUAL BY DISTRICT ENGINEER.
- 2. ALL PIPE JOINTS LOCATED WITHIN THE CASING AND THE FIRST JOINT EITHER SIDE OF CASING SHALL BE RESTRAINED BY USING SNAP LOCK TYPE GASKETS MANUFACTURED BY US PIPE OR APPROVED EQUAL BY DISTRICT ENGINEER. ALL RESTRAINED PIPE IS TO BE TYPE TYTON—JOINT AS MANUFACTURED BY US PIPE OR APPROVED EQUAL BY DISTRICT ENGINEER. ALL RESTRAINED PIPE IS TO BE INSTALLED USING THE RESTRAINED POSITION OF CARRIER INSTALLATION.
- 3. CONTRACTOR TO INSTALL PER SPECIFICATIONS SUPPLIED BY CASCADE WATERWORKS MANUFACTURING COMPANY OR APPROVED EQUAL BY DISTRICT ENGINEER.

DETAIL "W14"



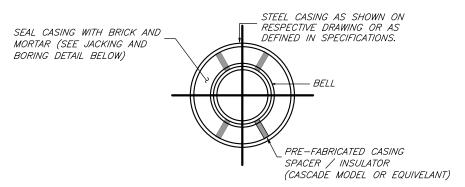
GENERAL NOTES

1. ONE SPACER SHALL BE PLACED NOT MORE THAN TWO FEET FROM EACH END OF THE CASING. SUBSEQUENT SPACERS SHALL BE PLACED AT 10' ENTRYALS WITHIN CASING

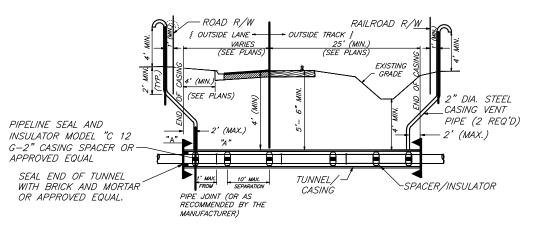
2. PVC CARRIER: ONE SPACER SHALL BE PLACED ON THE SPIGOT END OF EACH SEGMENT AT THE LINE MARKING THE LIMIT OF INSERTION INTO THE BELL WHEN THE JOINT IS COMPLETE, THE SPACER SHALL BE IN CONTACT WITH THE BELL OF THE JOINT SO THAT THE SPACER PUSHES THE JOINT AND RELIEVES COMPRESSION WITHIN THE JOINT. SUBSEQUENT SPACERS SHALL BE PLACED AT 6' INTERVALS

RECOMMENDED PLACEMENT ON PVC PIPE

RECOMMENDED PLACEMENT ON OTHER PIPE



<u>SECTION "A"</u>



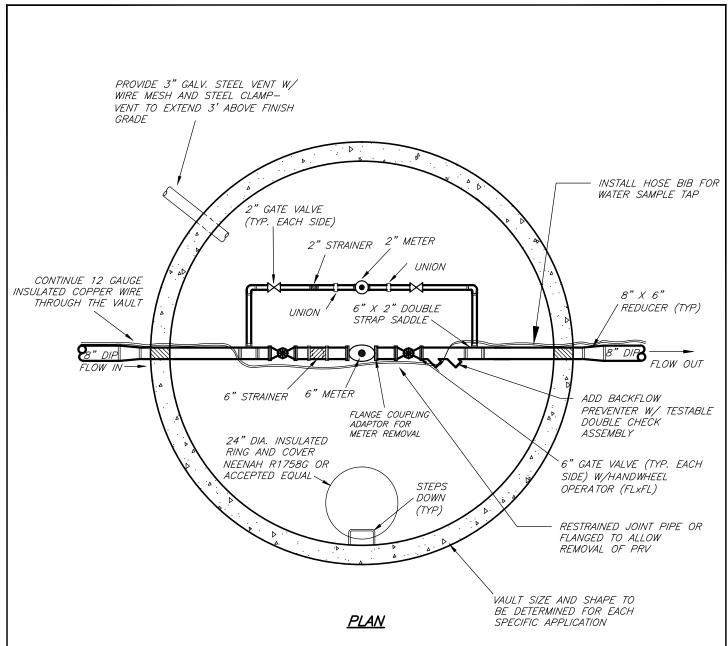
<u>JACK AND BORE DETAILS FOR CROSSINGS</u> N.T.S.

<u>NOTES</u>

- 2. PIPELINE SHALL BE PROMINENTLY MARKED AT RAILROAD RIGHT—OF—WAY BY SIGNS WORDED, "HIGH PRESSURE MAIN BURIED BELOW".
- 3. VENT PIPES SHALL BE FITTED WITH SCREENED DOWN—TURNED ELBOWS.
- 4. VENT PIPES SHALL BE INSTALLED ONLY IF TUNNEL / CASING IS NOT FILLED.

DETAIL "W15"

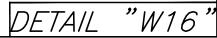


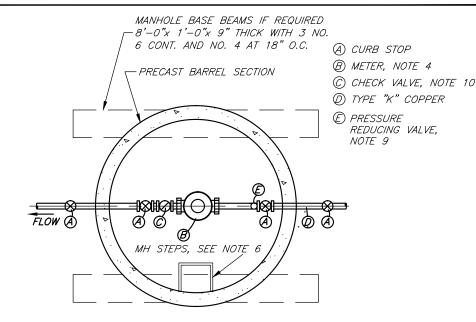


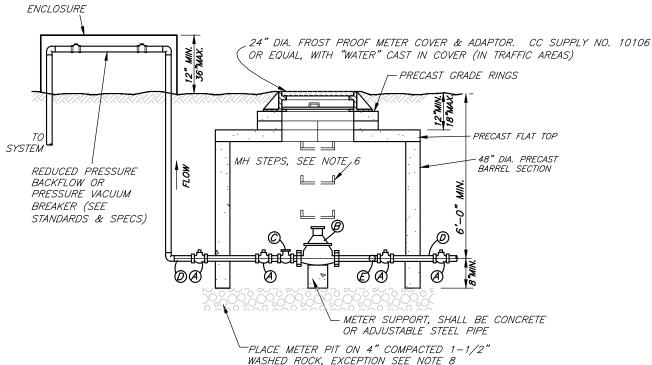
MAINLINE WATER METER

NOTES

- 1. VAULT SHALL BE PRECAST CONCRETE AND CAPABLE OF WITHSTANDING HS 20-44 TRAFFIC LOADING CONDITIONS
- 2. WHERE PIPES PENETRATE WALLS, USE LINK SEAL OR FILL ANNULAR SPACE W/ NON-SHRINK GROUT
- 3. COAT ALL EXTERIOR VAULT SURFACES WITH BITUMINOUS DAMPROOFING
- 4. ALL 2" PIPE SHALL BE BRASS W/ALL OTHER PIPE AND FITTINGS BEING FLANGED DUCTILE IRON
- 5. ALL TIE-RODS SHALL BE 3/4" ALL-THREAD OR MEGA-LUGS ON EXTERIOR CONNECTIONS
- 6. CONTRACTOR SHALL SUBMIT VAULT PIPING SCHEMATIC W/ VAULT DIMENSIONS TO DISTRICT PRIOR TO ORDERING MATERIALS OR EQUIPMENT
- 7. PIPE MATERIAL TO BE FLANGED OR RESTRAINED JOINT PIPE.







IRRIGATION METER PIT DETAIL

GENERAL NOTES

- MANHOLE BASE BEAMS SHALL BE REQUIRED FOR INSTALLATIONS IN DRIVEWAYS OR PARKING AREAS
- A 48" DIA. MANHOLE PIT WILL ACCOMODATE 1-1/2" & 2" SPLIT CASE METERS.

 JOINTS INSIDE METER VAULT SHALL BE EITHER THREADED OR SOLDERED WITH 95/5% TIN/ANTIMONY SOLDER.

 METER SHALL BE A NEPTUNE T-10 WITH PROREAD ECODER PIT REGISTER WITH A RF STYLE REMOTE. METERS SHALL BE
- FLANGES WITH BRASS COMPANION FLANGES.
- NO CONNECTIONS OR CHANGES IN PIPE DIAMETER SHALL BE MADE IN THE METER PIT OR IN THE DISTANCE OF FIVE FEET BEYOND THE METER PIT ON THE OUTLET SIDE.
- MANHOLE STEPS SHALL BE PLACED ON THE OPPOSITE SIDE OF BYPASS AT 16" O.C., STEPS TO BE NEENAH R-1982-W OR EQUAL.
- IF SURFACE IS NOT TO FINAL GRADE AT THE TIME OF INSTALLATION OF METER, OWNER MUST RAISE OR LOWER PIT WHEN SURFACE IS GRADED.
- IN AREAS OF GROUND WATER, CAST IN PLACE 6" THICK CONCRETE BASE, 6'-0" DIA, WITH NO. 4 BARS AT 12" O.C. EA. WAY. INSTALL 4" PVC DRAIN TO DAYLIGHT. PLACE BASE ON UNDISTURBED GROUND OR 1-1/2" COMPACTED WASHED ROCK FOR STABILIZATION.
- PRESSURE REDUCING VALVE-WATTS U-5-B
- 10. CHECK VALVE-FORD H SERIES (TESTABLE).

