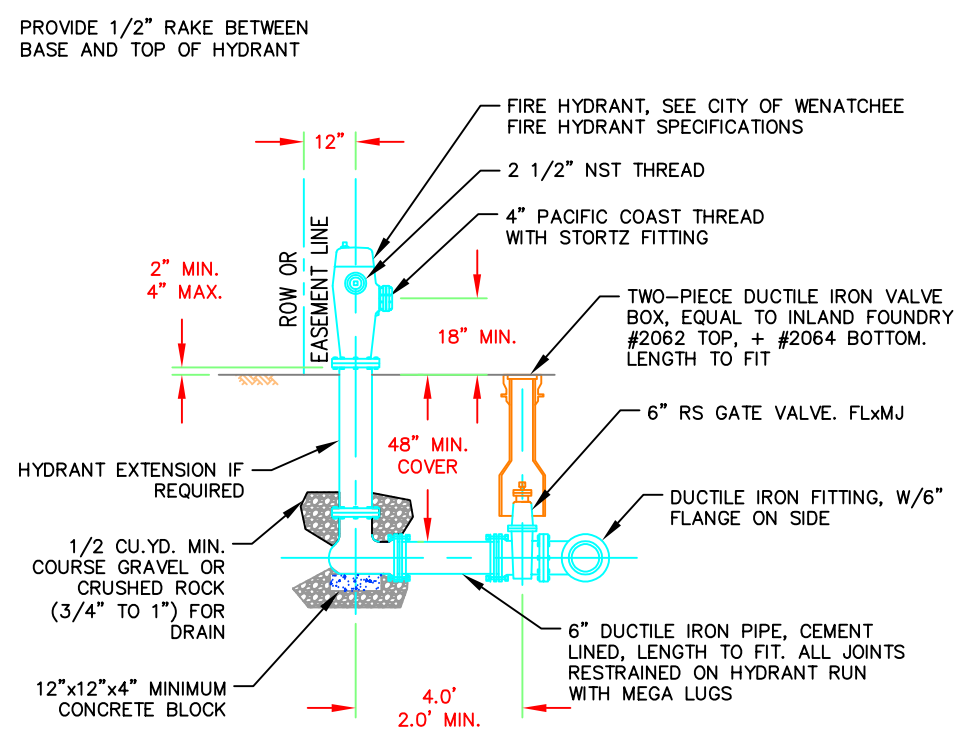
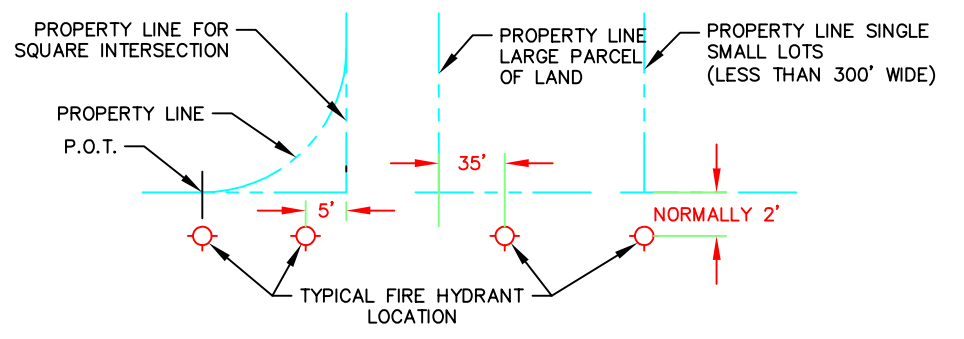


FIRE HYDRANT LOCATION IN CUT OR FILL
N.T.S.

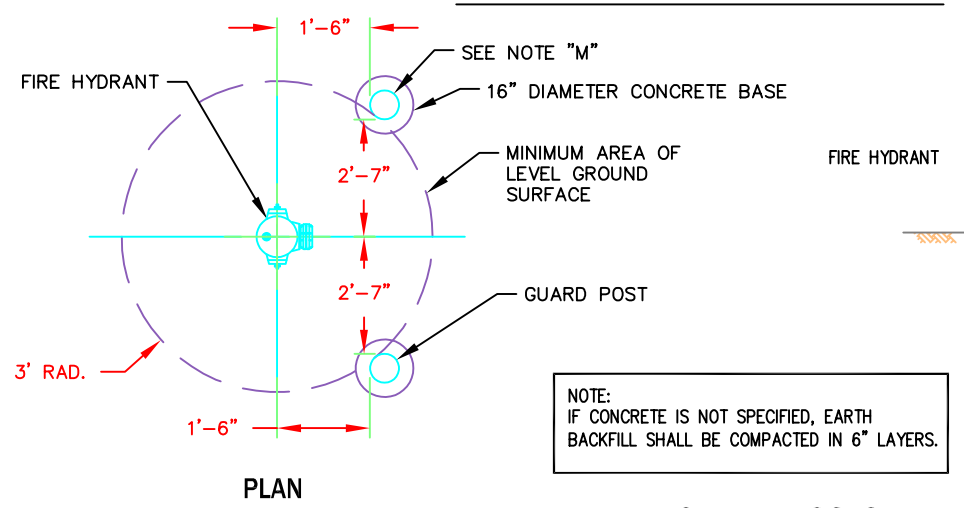


NOTE: VALVE TO BE PLACED ON THE MAIN FOR NEW CONSTRUCTION. AVOID PLACING THE VALVE IN CURB & GUTTER FOR RETROFIT PROJECTS.

FIRE HYDRANT ASSEMBLY
N.T.S.

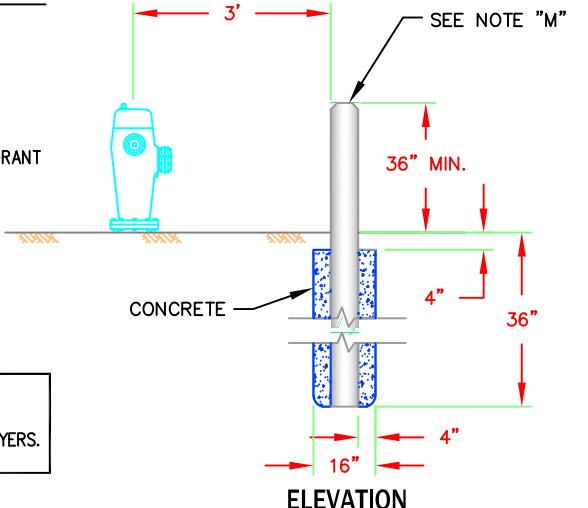


TYPICAL FIRE HYDRANT LOCATION



NOTE: IF CONCRETE IS NOT SPECIFIED, EARTH BACKFILL SHALL BE COMPACTED IN 6" LAYERS.

FIRE HYDRANT GUARD POSTS



ELEVATION

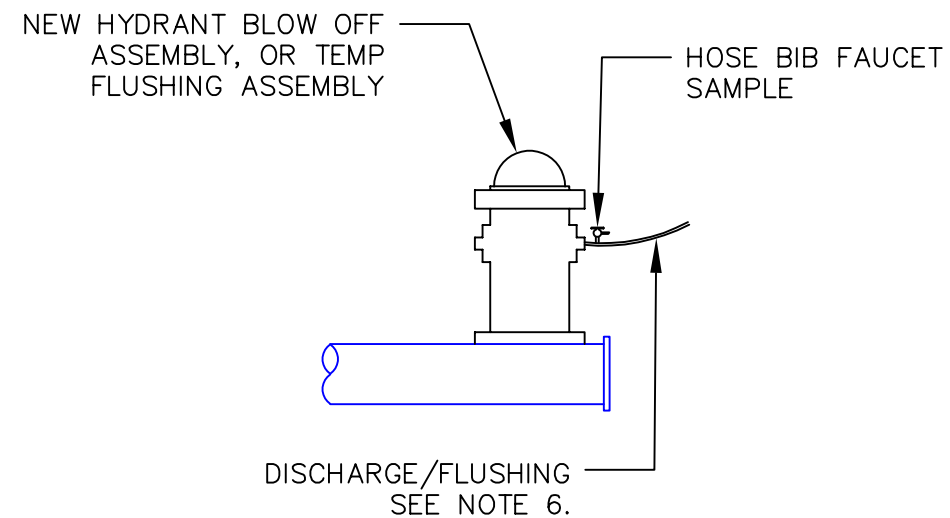
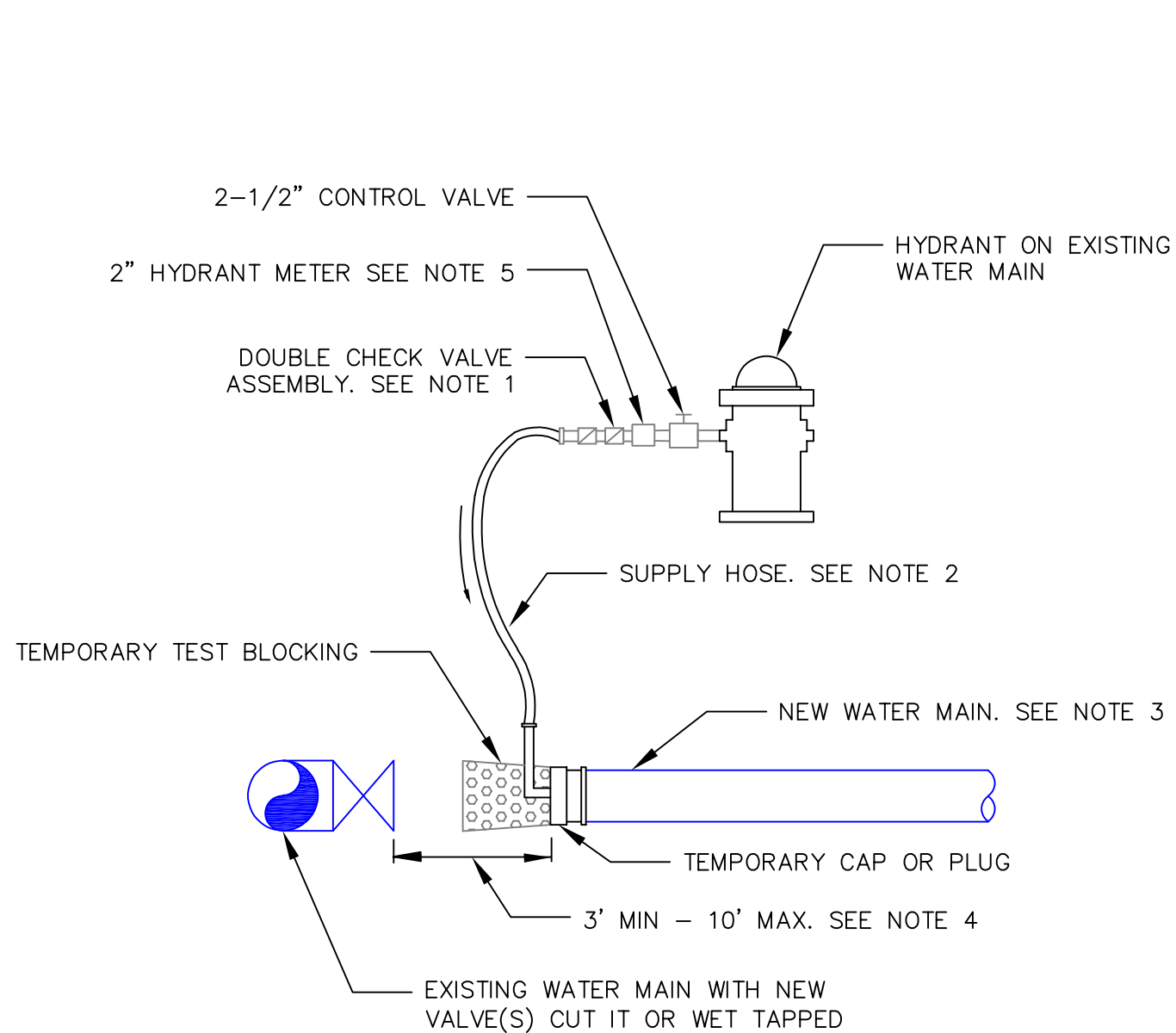
FIRE HYDRANTS SHALL BE FOR ORDINARY WATER WORKS SERVICES AS DESCRIBED IN AWWA C-502-54.

- A. EACH HYDRANT SHALL HAVE 5" MVO WITH "O" RING SEALS, A BREAKAWAY FLANGE, A 1 1/4" OPERATING NUT AND NOZZLE CAP NUTS THAT OPEN COUNTER CLOCKWISE. GASKETS AND NOZZLE CAP SHALL BE INCLUDED.
- B. SHUT-OFF TYPE: COMPRESSION OR GATE.
- C. INLET CONNECTION: 6" MECHANICAL JOINT (125#) INLET.
- D. CONNECTION PORTS:
TWO (2)-2 1/2" I.D. HOSE NOZZLE PORTS WITH N.S.T. THREADS.
ONE (1)-4" I.D. PUMPER OR STEAMER NOZZLE WITH P.C.T. THREADS AT SIX (6) THREADS PER INCH WITH AN O.D. OF 4.828" AND A THREAD BEVEL OF 60. THIS SHALL ALSO HAVE A STORTZ FITTING AS INDICATED ON THE DETAIL.
STORTZ FITTING-4" STORTZ TYPE ADAPTER WITH CAP AND CHAIN AND PYROLITE RIGID FEMALE CONNECTOR WITH SET SCREW. THE THREAD CUT ON THE FITTING SHALL MATCH EXISTING STANDARDS.
THE STORTS FITTING SHALL NOT EXTEND PAST THE BACK OF THE SIDEWALK AND SHALL BE ORIENTED TO FACE THE WATER MAIN, OR AS DIRECTED BY THE CITY ENGINEER.
- E. DEPTH OF BURY SHALL BE 4 1/2" OR 5 1/2" DEPENDING ON THE CONDITIONS.
- F. ALL NOZZLES SHALL CONFORM TO CURRENT CITY OF WENATCHEE HYDRANTS.
- G. HYDRANT SHALL BE PAINTED YELLOW IN ACCORDANCE WITH AWWA C-502-54, SECTION 6.
- H. APPROVED MANUFACTURERS: MUELLER, M & H, CLOW F2500, OR KENNEDY GUARDIAN K-81. ONLY THESE BRANDS WILL BE ACCEPTED.
- I. ALL HYDRANTS SHALL BE EQUIPPED WITH TRAFFIC BREAKING FLANGES.
- J. ALL INSTALLATIONS WILL HAVE A RESILIENT SEAT AUXILIARY VALVE.
- K. ALL HYDRANTS SHALL HAVE MEGALUG RESTRAINED JOINTS.
- L. THE MINIMUM DISTANCE FROM THE BOTTOM OF THE LOWEST PORT TO FINISHED GRADE SHALL BE 18". THE DISTANCE FROM FINISHED GRADE TO THE BREAKING FLANGE SHALL BE A MINIMUM OF 2" AND A MAXIMUM OF 4".
- M. HYDRANT GUARD POST SHALL BE 8" DIAMETER x 6' LONG PRECAST CONCRETE POST EQUAL TO FOG-TITE METER SEAL CO., PAINT WITH TWO COATS OSHA SAFETY YELLOW ENAMEL.

**STANDARD DETAIL
FIRE HYDRANT
SPECIFICATIONS AND DETAILS**



SCALE: AS SHOWN	DESIGNED BY	APPROVED BY	DATE DRAWN	CHECKED	DATE APPROVED	REVISIONS:
N.A.	DMN	RDH	3/23/2015	DMN		DATE
						INITIAL
STANDARD SPECIFICATIONS						
7-09 WATER MAINS						
7-12 VALVES						
7-14 HYDRANTS						
DETAIL NO.						
W-100						
PAGE						
1 OF 1						



NOTES:

1. AN APPROVED BACK FLOW ASSEMBLY SHALL BE INSTALLED BETWEEN THE NEW AND EXISTING WATERLINES DURING DISINFECTION AND FLUSHING OF NEW WATER MAIN.
2. THE BACK FLOW PREVENTION ASSEMBLY AND SUPPLY HOSE MUST BE DISCONNECTED DURING HYDROSTATIC PRESSURE TESTING OF THE NEW MAIN.
3. THE NEW WATER MAIN SHALL BE CONNECTED TO THE EXISTING SYSTEM ONLY AFTER THE NEW MAIN IS FLUSHED, DISINFECTED AND SATISFACTORY BACTERIOLOGICAL SAMPLE RESULTS ARE OBTAINED.
4. THE INTERIORS OF ALL PIPES AND FITTINGS TO BE USED IN FINAL CONNECTION MUST BE SWABBED OR SPRAYED WITH A 1% AVAILABLE CHLORINE SOLUTION.
5. 2" HYDRANT METER SHALL BE OBTAINED FROM THE CITY OF WENATCHEE PUBLIC WORKS DEPARTMENT OR CHELAN COUNTY PUD HYDRANT VALVE MAY BE USED UNDER SOME CIRCUMSTANCES.
6. DECHLORINATOR REQUIRED, CONTRACTOR MAY FLUSH TO SEWER OR STORM AFTER USING DECHLORINATOR. NOTIFY WENATCHEE WASTE WATER TREATMENT PLANT PRIOR TO FLUSH. CONTRACTOR MAY ALSO FLUSH TO WATER TRUCK AND DISPERSE APPROPRIATELY. PROVIDE AIR GAP AT DISCHARGE.

STANDARD DETAIL
FILLING NEW
WATER MAINS



SCALE: AS SHOWN	DESIGNED BY CAW	APPROVED BY	REVISIONS	
			DATE	INITIAL
DATE DRAWN 11/04/2020	CHECKED	DATE APPROVED		
STANDARD SPECIFICATIONS				

DETAIL NO.
W-110

PAGE
1 OF 1

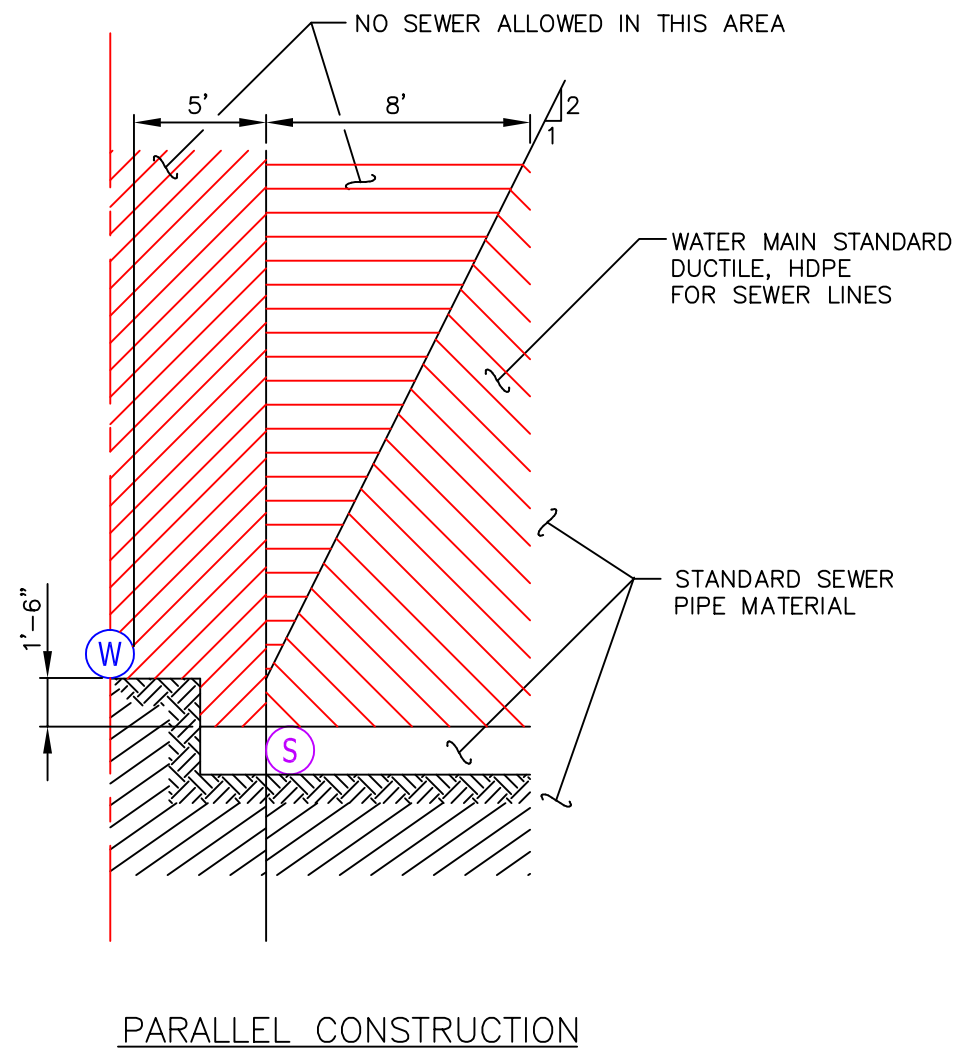


TABLE 1
WATER MAIN STANDARD PIPE MATERIAL

AWWA STANDARD			
TYPE OF PIPE	PIPE	JOINT	FITTINGS
DUCTILE IRON	C 1.52	C 111	C 110
CONCRETE CYLINDER	C 303		

NOTE:

1. TO BE USED WHEN 10' MINIMUM SEPARATION CANNOT BE OBTAINED.

**STANDARD DETAIL
WATER AND SEWER
SPACING & CLEARANCE**

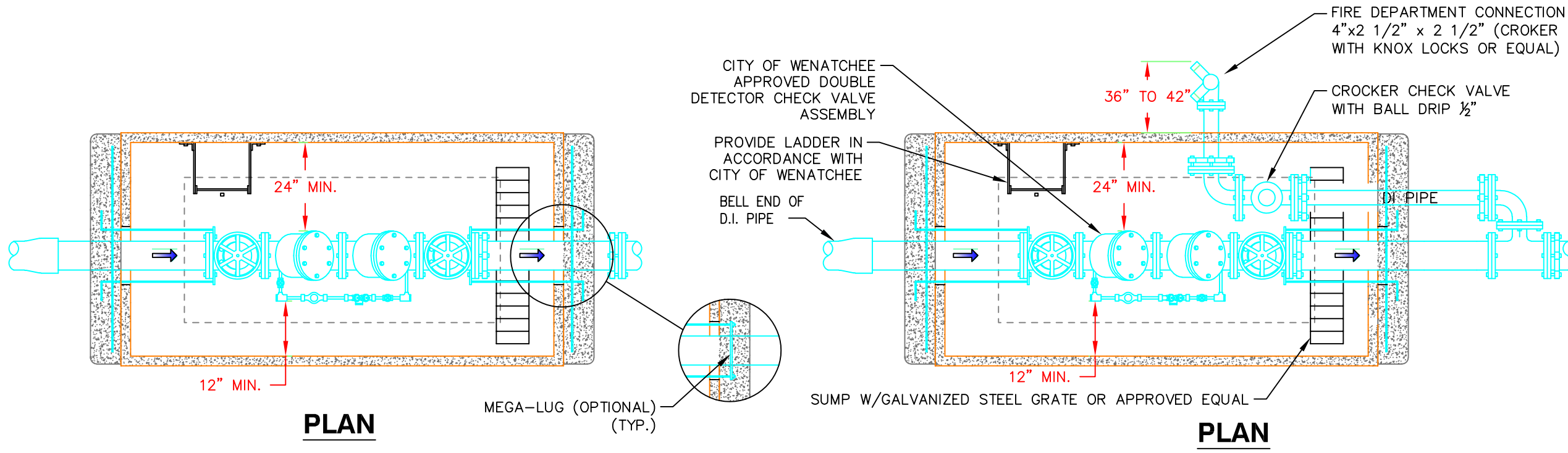


SCALE: AS SHOWN	DESIGNED	DATE DRAWN	REVISIONS
	DRAWN CAW	12/04/2020	DATE INITIAL
APPROVED BY	CHECKED	DATE APPROVED	DATE
STANDARD SPECIFICATIONS			

DETAIL NO.
W-120

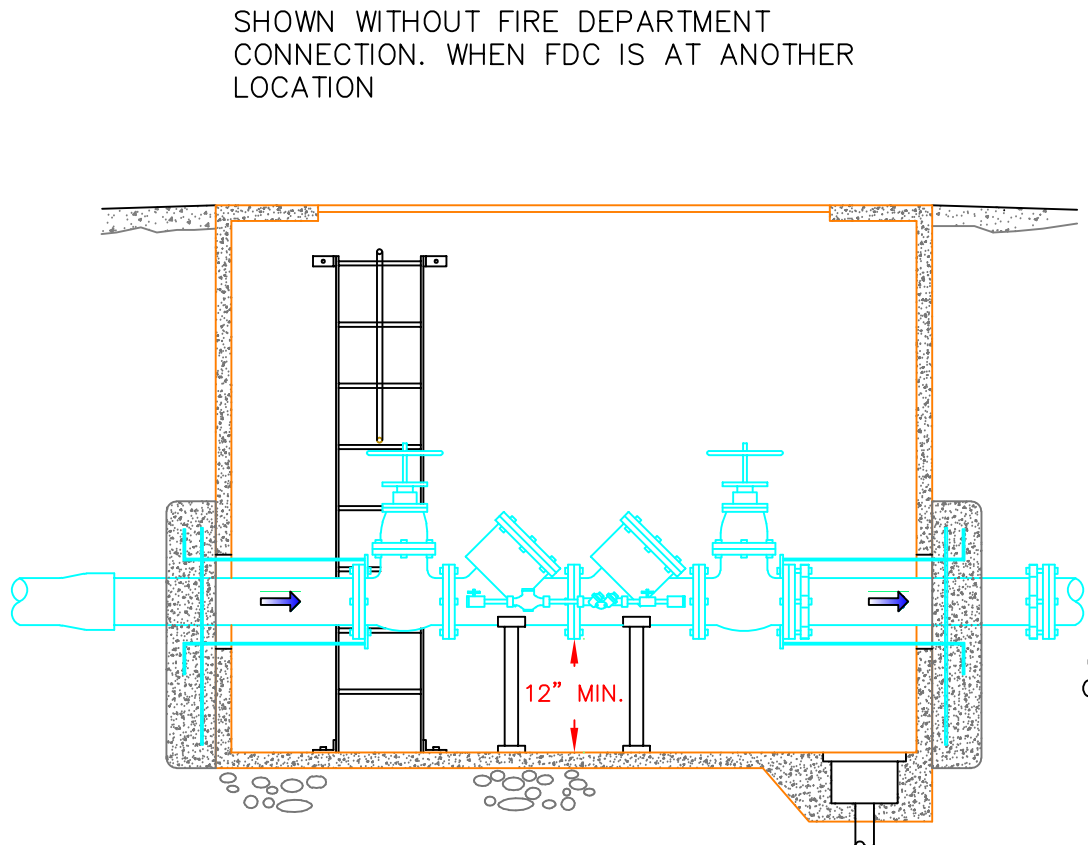
PAGE
1 OF 1

- COVER SHALL NOT EXTEND MORE THAN 2" ABOVE GRADE WHEN VAULT IS NOT IN TRAFFIC AREA.
- SLOPE PAVEMENT AWAY FROM COVER.
- VAULT LID SHALL BE OF ADEQUATE HEIGHT TO PROVIDE MIN. 6" CLEARANCE TO O, S & Y VALVE WHEN VALVE IS FULLY OPEN.
- 5/8" BY-PASS METER SHALL BE SENSUS SR II OR NEPTUNE T-10.
- VAULTS SHALL BE AS MANUFACTURED BY UTILITY VAULT OR APPROVED EQUAL AND SHALL BE STRUCTURALLY DESIGNED FOR THE PROPOSED INSTALLATION.
- BACK-FLOW VALVE AND ASSEMBLY MUST APPEAR ON CURRENT DEPT. OF HEALTH'S APPROVED VALVE LISTING.
- ASSEMBLY SHALL BE MAINTAINED BY OWNER WITH A TEST DONE UPON INSTALLATION AND ANNUALLY THEREAFTER BY A CERTIFIED BACK-FLOW ASSEMBLY TESTER (BAT.) A COPY OF EACH ANNUAL TEST REPORT MUST BE SENT TO THE CITY OF WENATCHEE.
- WATER MAIN SHALL NOT BE PLACED IN SERVICE UNTIL AFTER DOUBLE CHECK DETECTOR ASSEMBLY IS INSPECTED, TESTED AND APPROVED BY CITY REPRESENTATIVE.
- RESTRAIN CHECK DETECTOR WITH MEGA-LUGS, RESTRAINED JOINT PIPE, OR SHACKLE RODS BACK TO WATER MAIN AS REQUIRED.

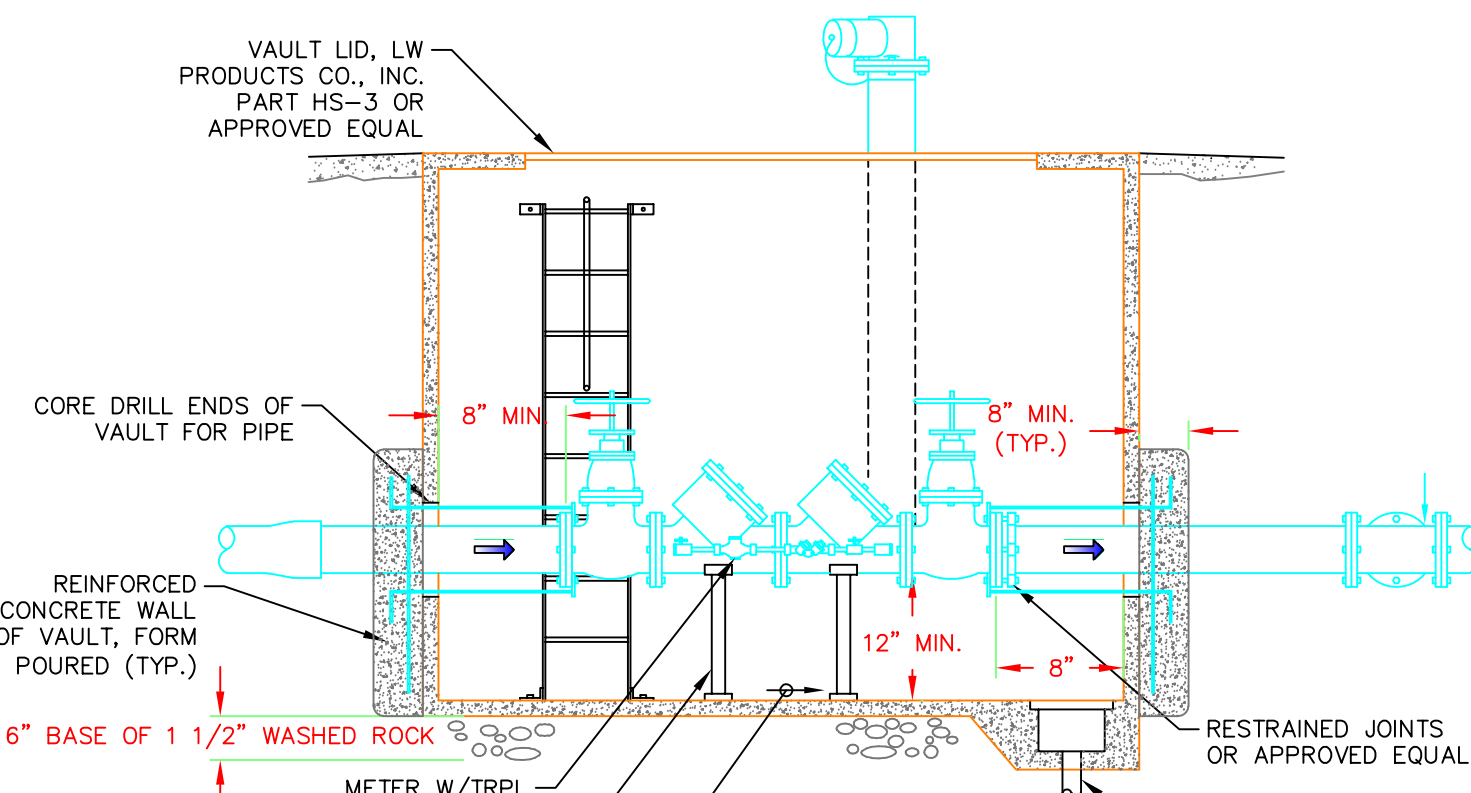


PLAN

PLAN



SECTION



SECTION

**STANDARD DETAIL
DOUBLE CHECK
DETECTOR ASSEMBLY**



REVISIONS	DATE	INITIAL
	02/20	CAW

SCALE: AS SHOWN	DATE DRAWN	CHECKED	DATE APPROVED
	3/23/2015	DMN	

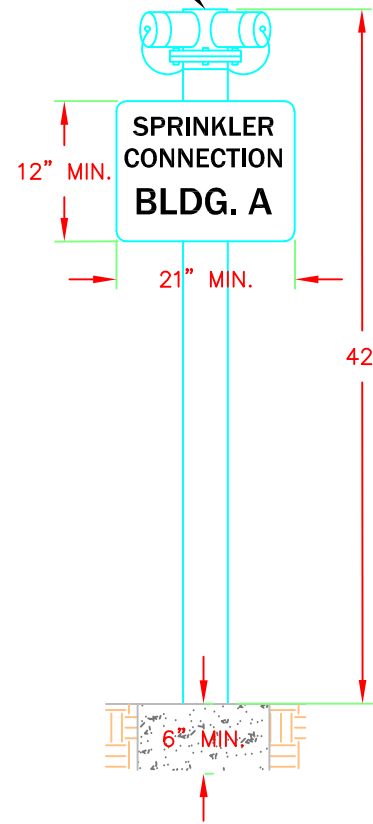
DESIGNED	DRAWN	APPROVED BY
DMN	RDH	

STANDARD SPECIFICATIONS
6-02 CONCRETE STRUCTURES
7-09 WATER MAINS
7-12 VALVES FOR WATER MAINS
7-15 SERVICE CONNECTIONS

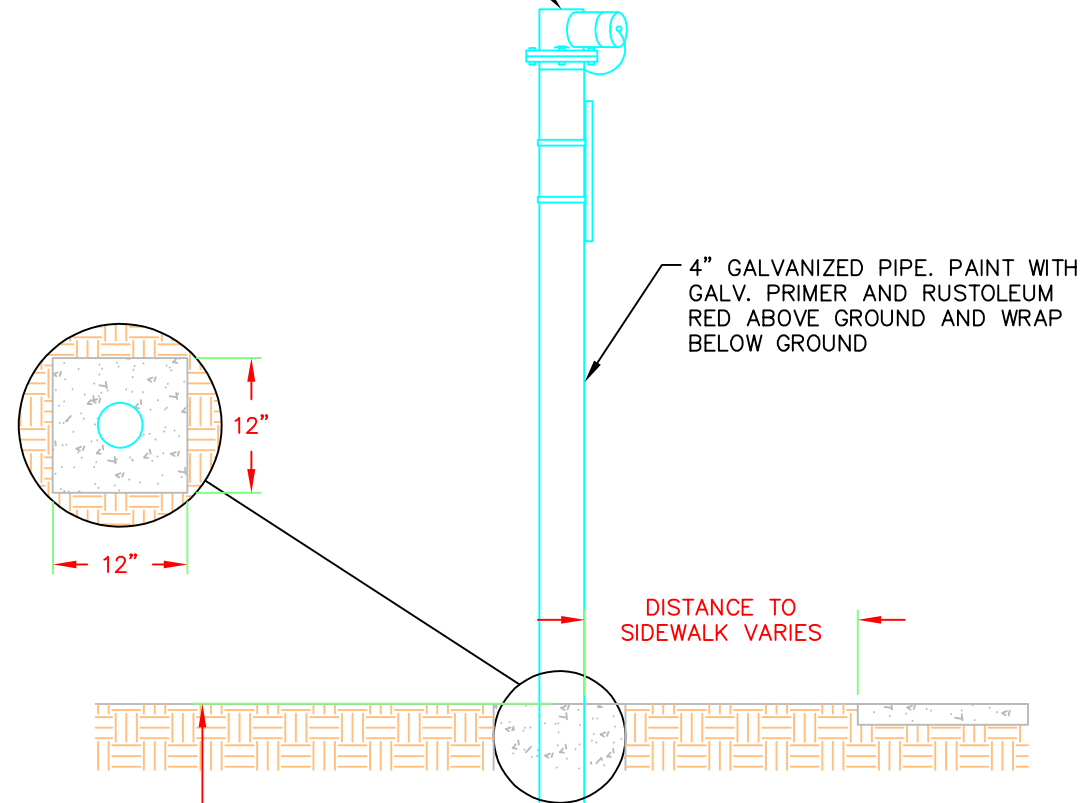
DETAIL NO.
W-200

PAGE
1 OF 2

LOCATION TO BE APPROVED BY FIRE INSPECTOR



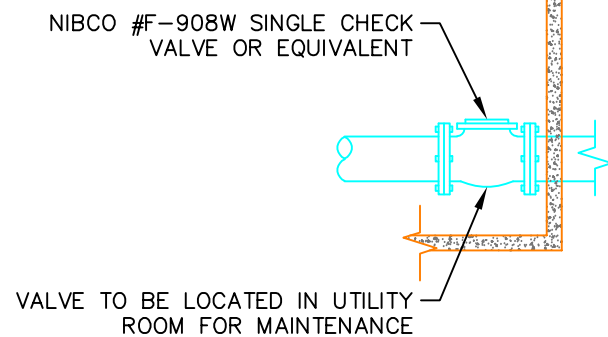
CROCKER 6420, 4"x 2.5"x 2.5" DOUBLE CLAPPER WITH KNOX FDC LOCKS



4" GALVANIZED PIPE. PAINT WITH GALV. PRIMER AND RUSTOLEUM RED ABOVE GROUND AND WRAP BELOW GROUND

DISTANCE TO SIDEWALK VARIES

40" MIN. OR DEPTH OF MAINLINE WHICHEVER IS GREATER



MEGA LUG GLANDS

MJ x STEEL GASKET

4" ELBOW

THRUST BLOCK AROUND VERTICAL BEND (PER NFPA STD. 24)

1/2" BALL DRIP VALVE NIBCO #RG 2200 OR EQUIVALENT

4 CUBIC FOOT DRAIN SUMP FILLED WITH DRAIN ROCK UNDER DRIP VALVE. LINE SUMP WITH GEOTEXTILE FABRIC; OVERLAP 6" ON TOP.

- SIGN TO SAY "SPRINKLER CONNECTION" AND "BLDG. A" (OR WHICHEVER BUILDING IS IDENTIFIED)
- FIRE DEPARTMENT CONNECTION (FDC) PIPE TO BE PAINTED RUSTOLEUM RED
- SIZE OF SIGN TO FIT REQUIRED INFORMATION. 3.00" BLOCK LETTERS WHITE ON RED BACKGROUND ON 0.080" RUST FREE ALUMINUM BASE OR BETTER

STANDARD DETAIL
STANDALONE FDC



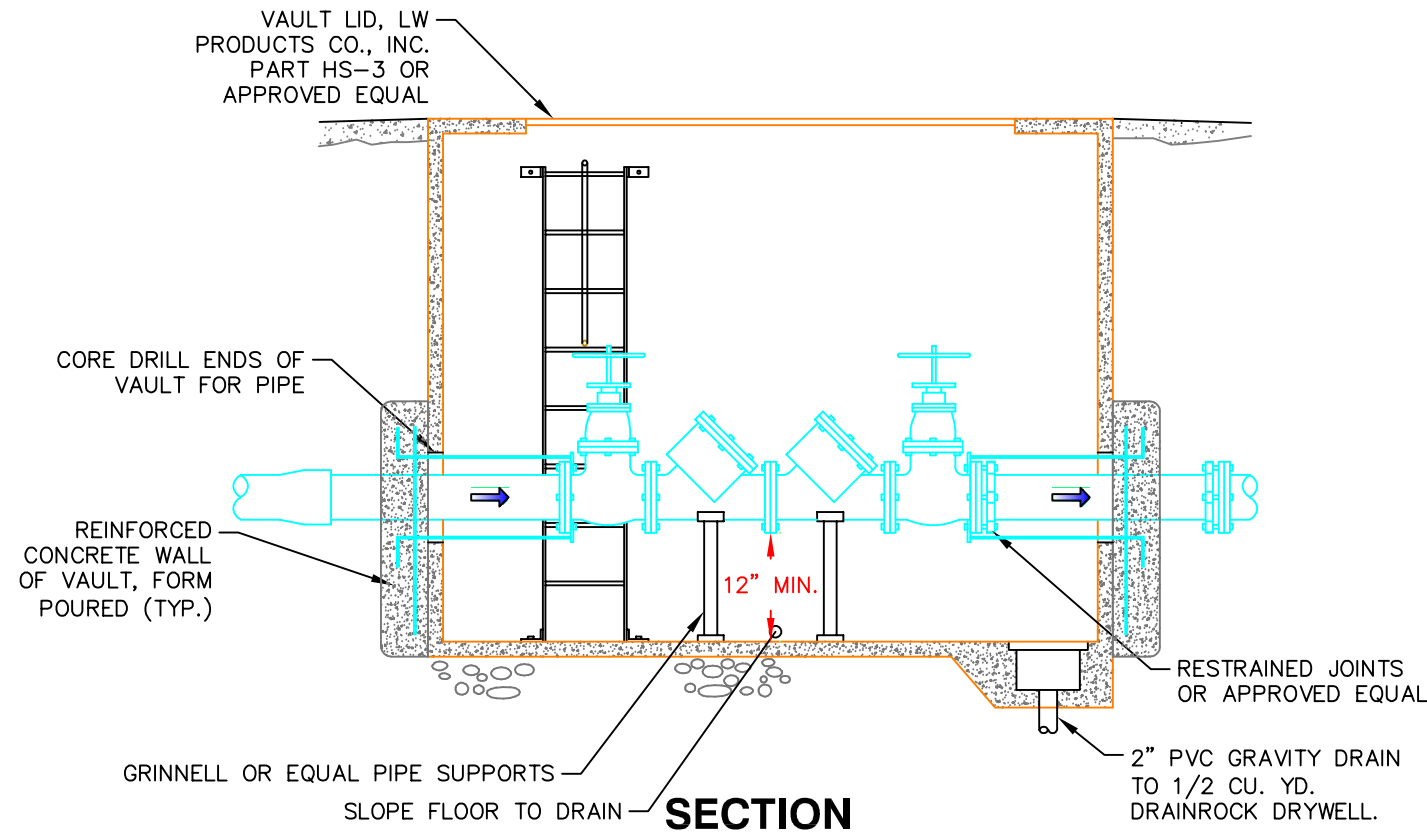
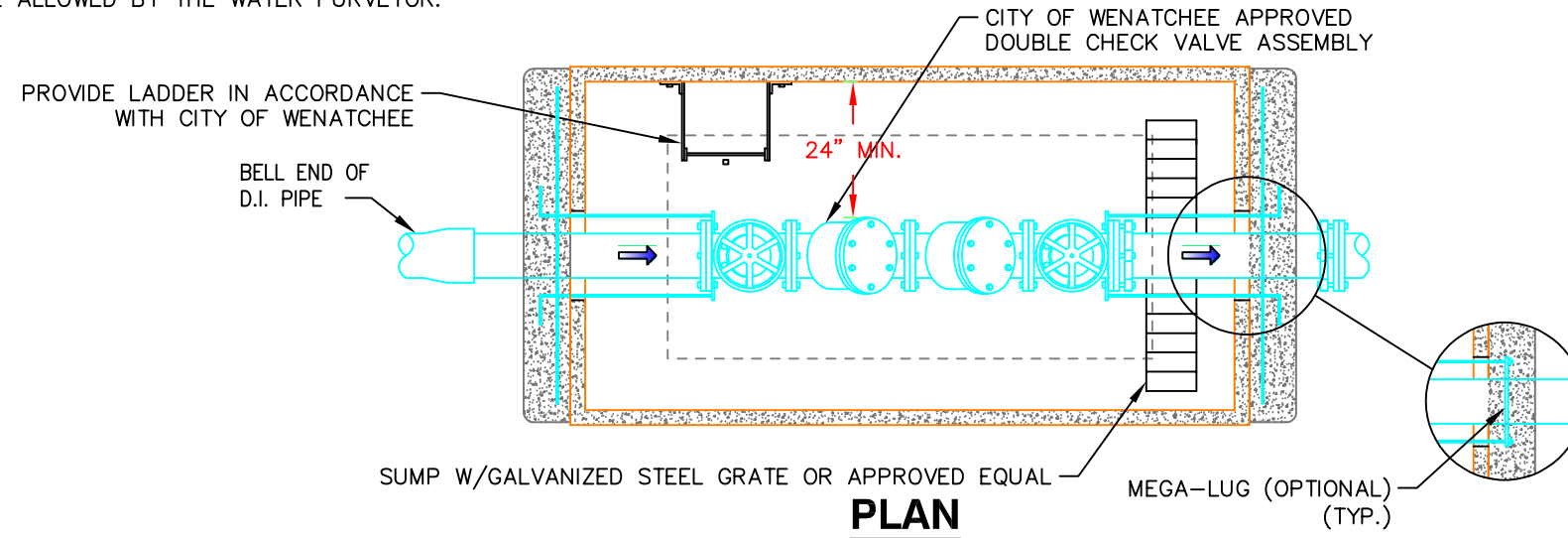
REVISIONS	DATE	INITIAL

DATE DRAWN	CHECKED	DATE APPROVED
2/24/2020	DMN	

SCALE: AS SHOWN	DESIGNED BY	APPROVED BY
	DMN	

NOTES FOR PREMISES ISOLATION WITH DOUBLE CHECK VALVE ASSEMBLY (DCVA)

1. TYPICAL LOCATION IS AT OR NEAR THE PROPERTY LINE, AT BACK OF WATER METER CHAMBER.
2. COVER SHALL NOT EXTEND MORE THAN 2" ABOVE GRADE WHEN VAULT IS NOT IN TRAFFIC AREA.
3. SLOPE PAVEMENT AWAY FROM COVER.
4. VAULT LID SHALL BE OF ADEQUATE HEIGHT TO PROVIDE MIN. 6" CLEARANCE TO O, S & Y VALVE WHEN VALVE IS FULLY OPEN.
5. VAULTS SHALL BE AS MANUFACTURED BY UTILITY VAULT OR APPROVED EQUAL AND SHALL BE STRUCTURALLY DESIGNED FOR THE PROPOSED INSTALLATION.
6. BACK-FLOW VALVE AND ASSEMBLY MUST APPEAR ON CURRENT DEPT. OF HEALTH'S APPROVED VALVE LISTING.
7. RESTRAIN CHECK DETECTOR WITH MEGA-LUGS, RESTRAINED JOINT PIPE, OR SHACKLE RODS BACK TO WATER MAIN AS REQUIRED.
8. BOTTOMLESS VAULTS MUST PROVIDE CONCRETE SUPPORT FOUNDATIONS FOR PIPE SUPPORTS.
9. ASSEMBLY SHALL BE MAINTAINED BY OWNER WITH A TEST DONE UPON INSTALLATION AND ANNUALLY THEREAFTER BY A CERTIFIED BACK-FLOW ASSEMBLY TESTER (BAT.) A COPY OF EACH ANNUAL TEST REPORT MUST BE SENT TO THE CITY OF WENATCHEE.
10. WATER SERVICE SHALL NOT BE PLACED IN SERVICE UNTIL AFTER DOUBLE CHECK DETECTOR ASSEMBLY IS INSPECTED, TESTED AND APPROVED BY CITY REPRESENTATIVE.
11. ACCOUNT FOR THERMAL EXPANSION WITHIN THE PREMISES.
12. AN ALTERNATE LOCATION MAY BE ALLOWED BY THE WATER PURVEYOR.



STANDARD DETAIL
DOUBLE CHECK VALVE
PREMISES ISOLATION

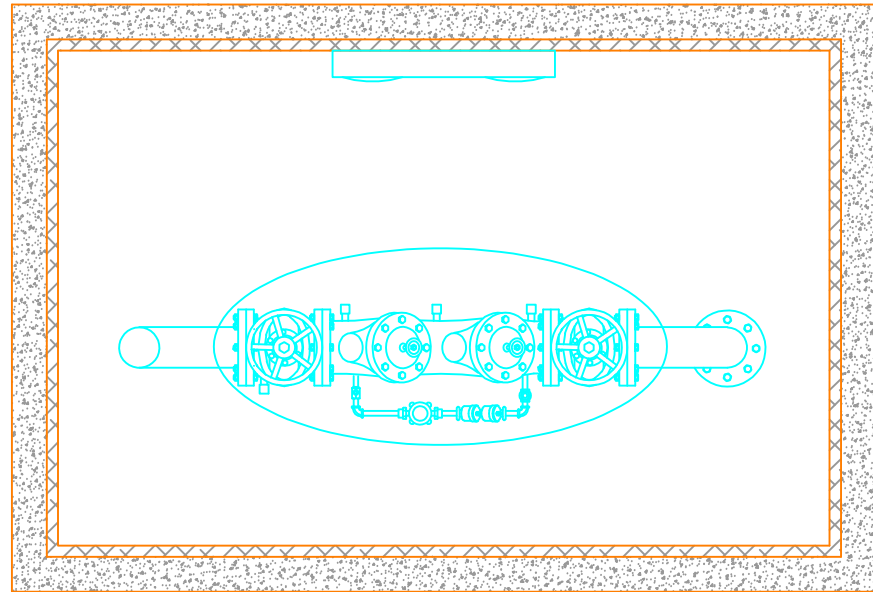


SCALE:	DATE DRAWN	DATE	REVISIONS
AS SHOWN	3/23/2015	2020.08.04	INITIAL
DESIGNED	DMN	DMN	DMN
DRAWN	ROH	DMN	DMN
CHECKED	DMN	DMN	DMN
APPROVED BY	DMN	DMN	DMN

STANDARD SPECIFICATIONS
 6-02 CONCRETE STRUCTURES
 7-08 WATER MAINS
 7-12 VALVES FOR WATER MAINS
 7-15 SERVICE CONNECTIONS

DETAIL NO.
W-210

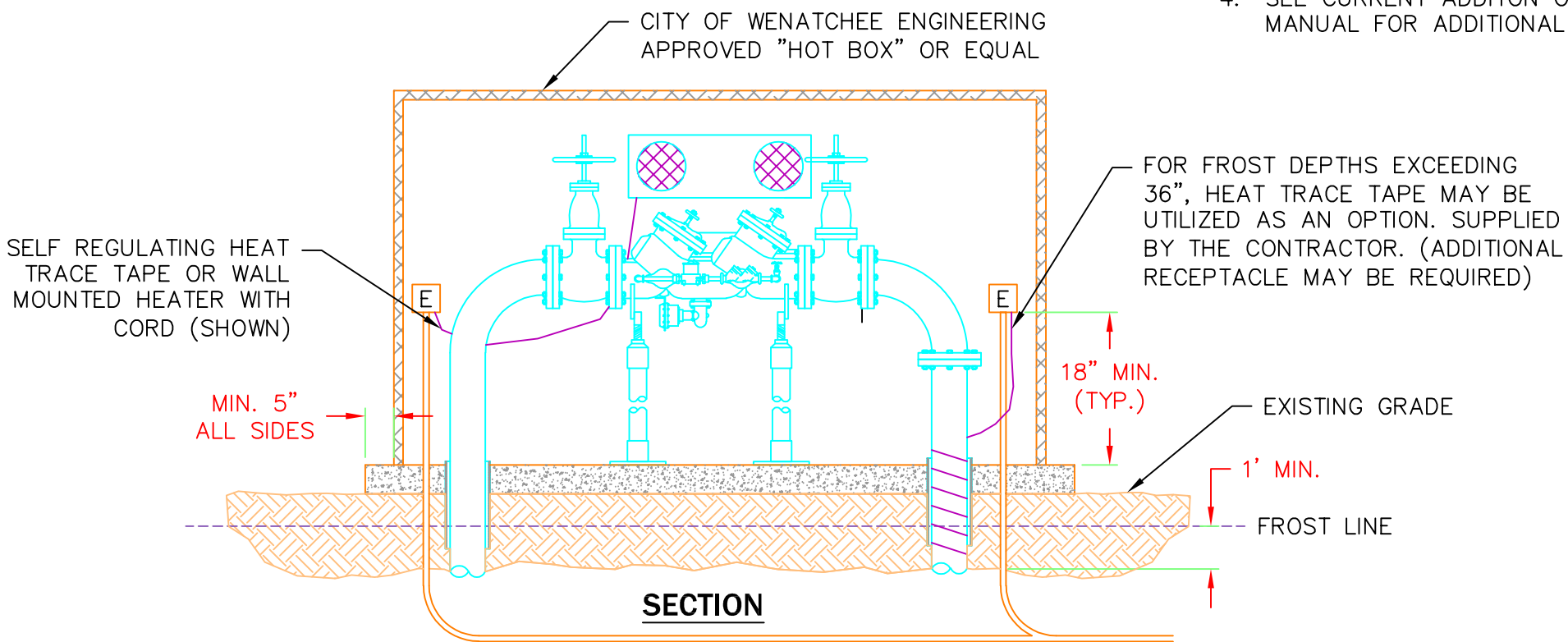
PAGE
1 OF 1



PLAN

NOTES

1. ASSEMBLY SHALL BE MAINTAINED BY OWNER, TESTING IS REQUIRED BY A CERTIFIED BACKFLOW ASSEMBLY TESTER (BAT) AFTER INSTALLATION, THEN ANNUALLY THEREAFTER. A COPY OF TEST REPORT SHALL BE SENT TO THE CITY OF WENATCHEE.
2. WATER MAIN SHALL NOT BE PLACED IN SERVICE UNTIL AFTER REDUCED PRESUURE BACKFLOW ASSEMBLY IS INSPECTED AND APPROVED BY THE CITY OF WENATCHEE.
3. RESTRAIN ASSEMBLY WITH, MEGA-LUGS, RESTRAINED JOINT PIPE OR SHACKLE RODS BACK TO WATER MAIN AS REQUIRED
4. SEE CURRENT ADDITON OF AWWA CROSS CONNECTION CONTROL MANUAL FOR ADDITIONAL DETAILS.



SECTION

REDUCED PRESSURE BACKFLOW ASSEMBLIES RPBA's & RDDA's

**STANDARD DETAIL
HOT BOX ENCLOSURE
BACK FLOW ASSEMBLY**



SCALE: AS SHOWN	DESIGNED	DATE DRAWN	REVISIONS
	DRAWN	CHECKED	DATE
APPROVED BY	DATE APPROVED	STANDARD SPECIFICATIONS	INITIAL

**STANDARD DETAIL
WATER BOX CHAMBER**



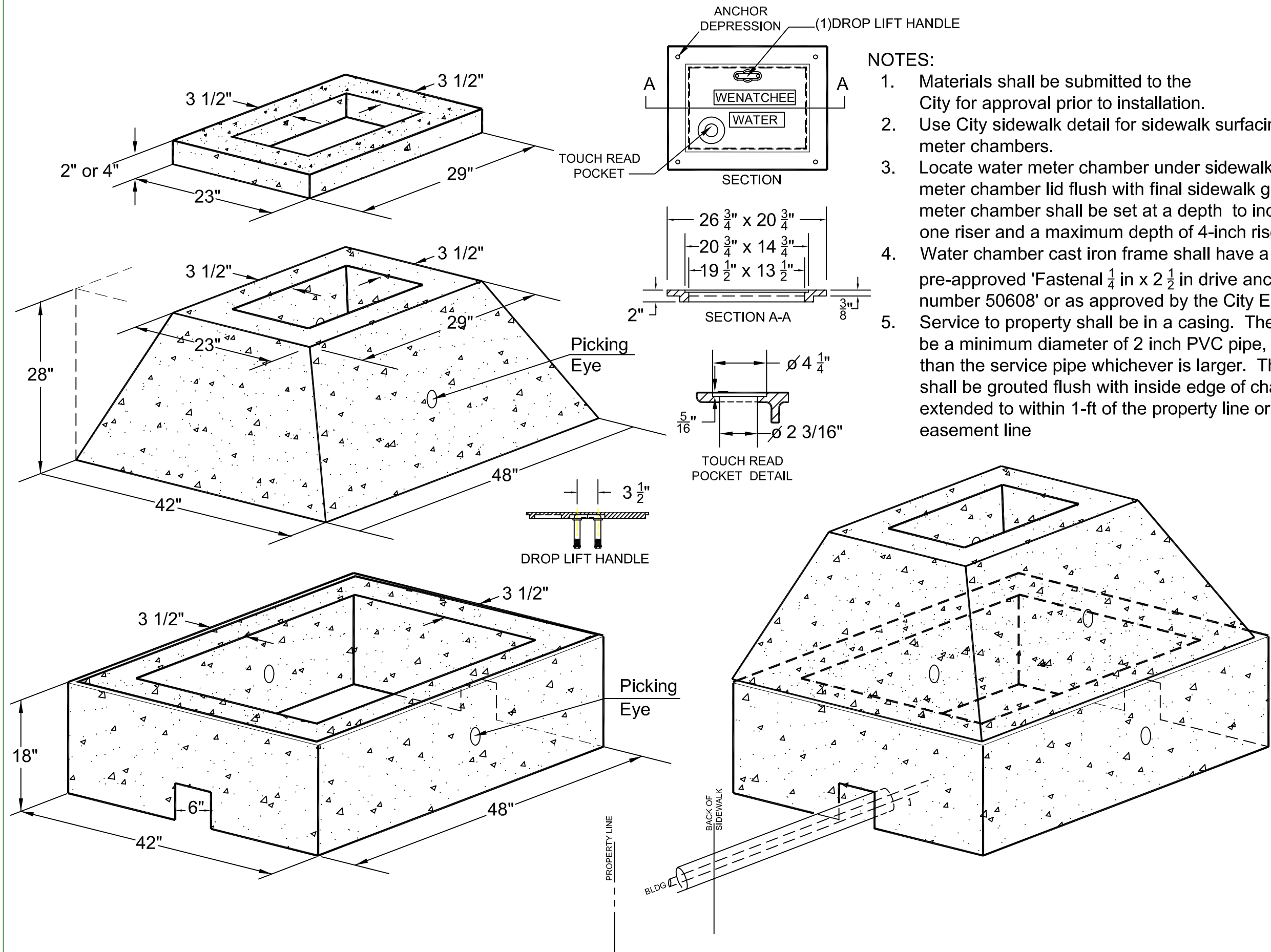
REVISIONS	DATE	INITIAL
	04/26/2017	DMN
	05/16/2017	DMN

DATE DRAWN	CHECKED	DATE APPROVED
3/06/2017	DMN	

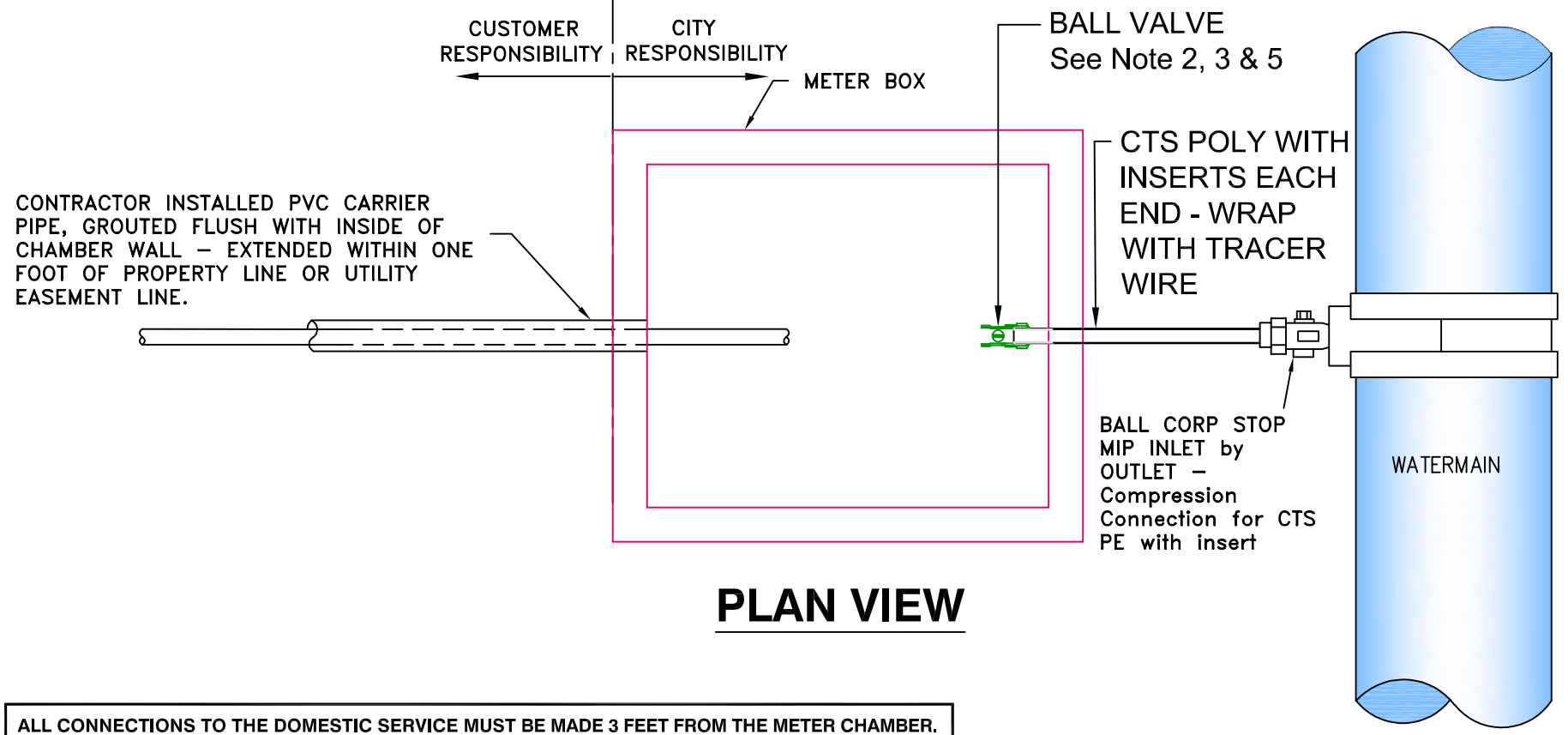
SCALE: AS SHOWN	DRAWN BY	DESIGNED BY	APPROVED BY
	MYW		

STANDARD SPECIFICATIONS
7-09 WATER MAINS
9-30.6 WATER SERVICE CONNECTIONS

DETAIL NO.
W-250
PAGE
1 of 3



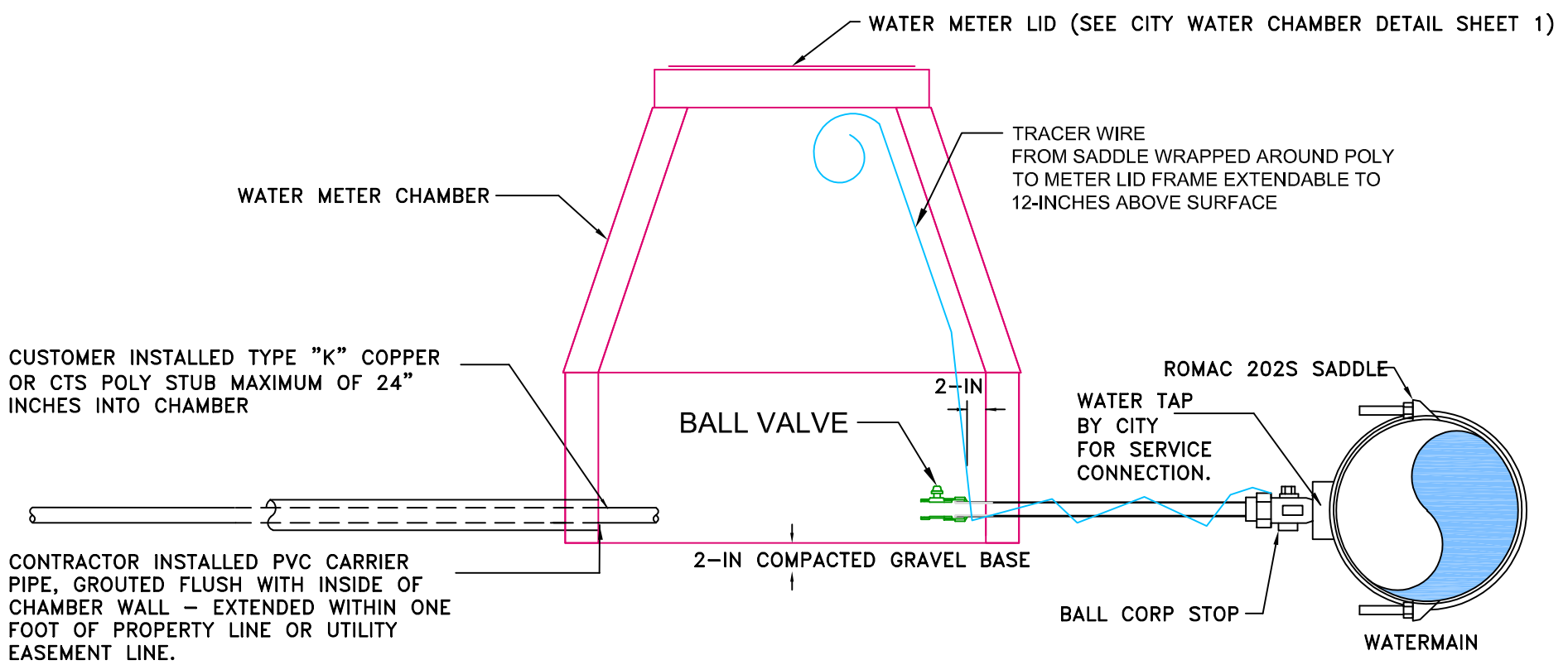
- NOTES:**
1. Materials shall be submitted to the City for approval prior to installation.
 2. Use City sidewalk detail for sidewalk surfacing over water meter chambers.
 3. Locate water meter chamber under sidewalk, set water meter chamber lid flush with final sidewalk grade. Water meter chamber shall be set at a depth to include at least one riser and a maximum depth of 4-inch riser.
 4. Water chamber cast iron frame shall have a depression for pre-approved 'Fastenal 1/4 in x 2 1/2 in drive anchors part number 50608' or as approved by the City Engineer.
 5. Service to property shall be in a casing. The casing shall be a minimum diameter of 2 inch PVC pipe, or 50% greater than the service pipe whichever is larger. The casing pipe shall be grouted flush with inside edge of chamber and extended to within 1-ft of the property line or Utility easement line



PLAN VIEW

- NOTES:
1. Materials shall be submitted for City approval prior to installation.
 2. Material shall be non-lead, suppliers are typically: Ford, Mueller, and AY McDonald.
 3. Match ball valve size to CTS Poly, minimum pipe diameter is 1 1/2-inch for all single services from water main.
 4. Downstream water service pipe diameter shall be the same as the water meter for ten (10) feet.
 5. Ball valve's compression coupling to the CTS PE water service pipe shall have insert and be a maximum of 2-inches from inside of chamber wall.
 6. ALL TAPS SHALL BE BY CITY CREWS.

ALL CONNECTIONS TO THE DOMESTIC SERVICE MUST BE MADE 3 FEET FROM THE METER CHAMBER. CONTACT CITY OF WENATCHEE WATER DEPARTMENT FOR TURNING OFF/ON WATER INSIDE THE WATER METER CHAMBER. THE CITY OF WENATCHEE STRICTLY PROHIBITS ANYONE FROM ENTERING WATER CHAMBER OR SHUTTING WATER SERVICE OFF WITHIN METER CHAMBER.

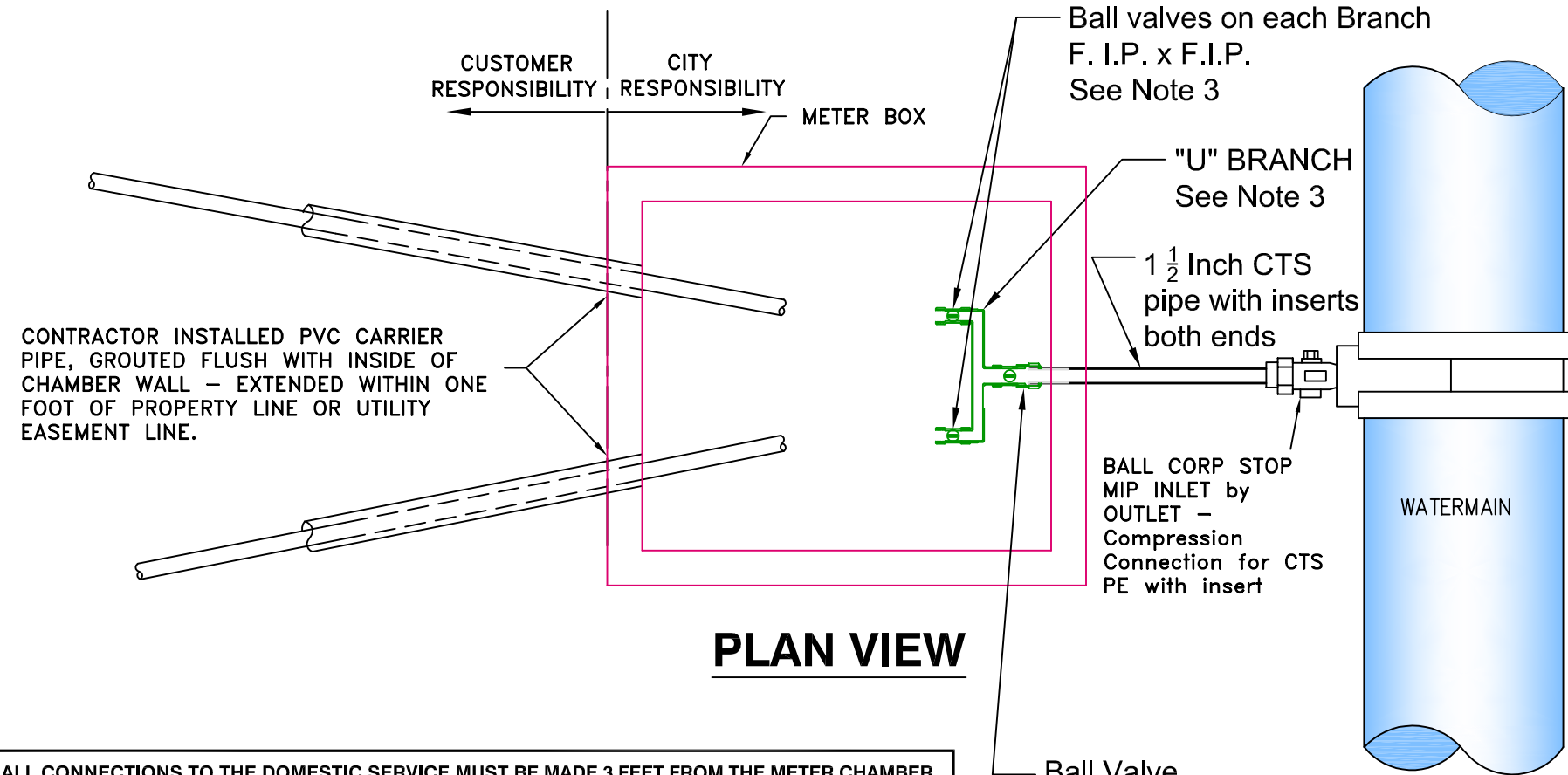


SECTION VIEW

STANDARD DETAIL
1 1/2" OR 2"
SINGLE METER SERVICE



SCALE:	AS SHOWN	DESIGNED BY:	APPROVED BY:	DATE DRAWN:	CHECKED:	DATE APPROVED:	REVISIONS:
		MYW		3/06/2017	DMN		
				04/26/2017	DMN		

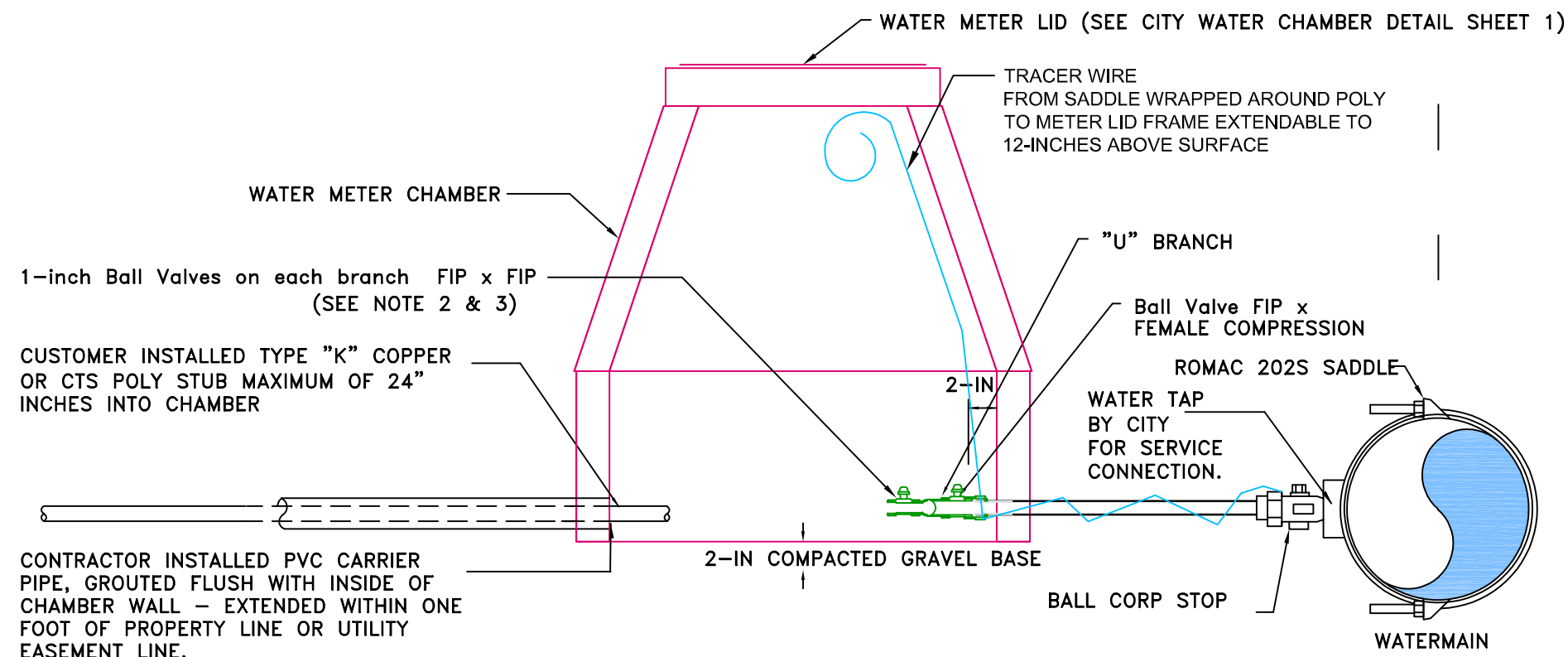


PLAN VIEW

- NOTES:
1. Materials shall be submitted for City approval prior to installation.
 2. Material shall be non-lead, suppliers are typically: Ford, Mueller, and AY McDonald.
 3. Match ball valve size to CTS Poly, 1 1/2-inch by 1-inch U-Branch set 12-inch on center, connected to 1 1/2 inch ball valve near chamber wall and with 1-inch ball valves on each branch.
 4. Downstream water service pipe diameter shall be the same as the water meter for ten (10) feet.
 5. 1 1/2 Inch ball valve compression coupling to the CTS PE service pipe shall be a maximum of 2-inches from inside of chamber wall.
 6. ALL TAPS SHALL BE BY CITY CREWS.

ALL CONNECTIONS TO THE DOMESTIC SERVICE MUST BE MADE 3 FEET FROM THE METER CHAMBER. CONTACT CITY OF WENATCHEE WATER DEPARTMENT FOR TURNING OFF/ON WATER INSIDE THE WATER METER CHAMBER. THE CITY OF WENATCHEE STRICTLY PROHIBITS ANYONE FROM ENTERING WATER CHAMBER OR SHUTTING WATER SERVICE OFF WITHIN METER CHAMBER.

Ball Valve
 Inlet: Compression Connection for CTS PE pipe
 Outlet: FIP thread
 (2-inches MAX from Chamber wall)



SECTION VIEW

STANDARD DETAIL
(2) 1" SPLIT FROM 1 1/2"
DOUBLE METER SERVICE

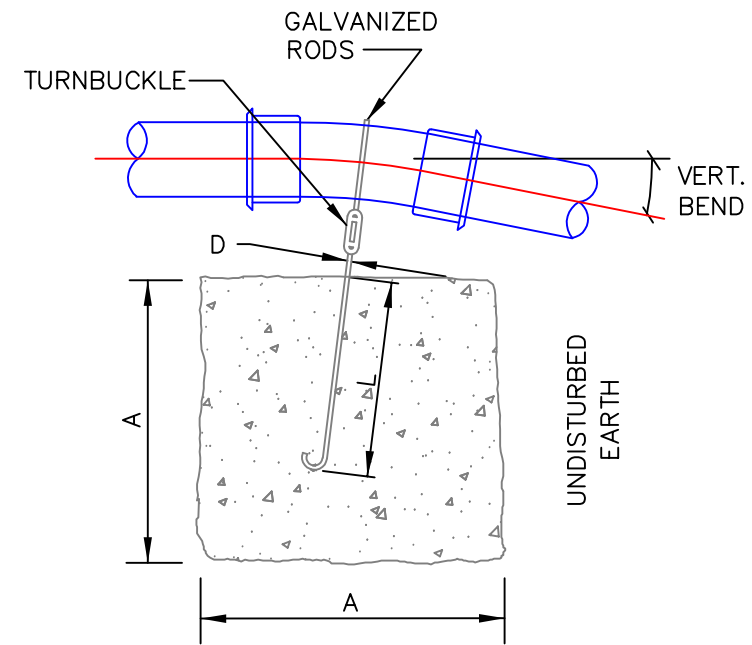


SCALE:	AS SHOWN	DATE DRAWN	3/06/2017	CHECKED	DMN	DATE APPROVED
DESIGNED BY	MYW					
APPROVED BY						
STANDARD SPECIFICATIONS 7-09 WATER MAINS 9-30.6 WATER SERVICE CONNECTIONS						

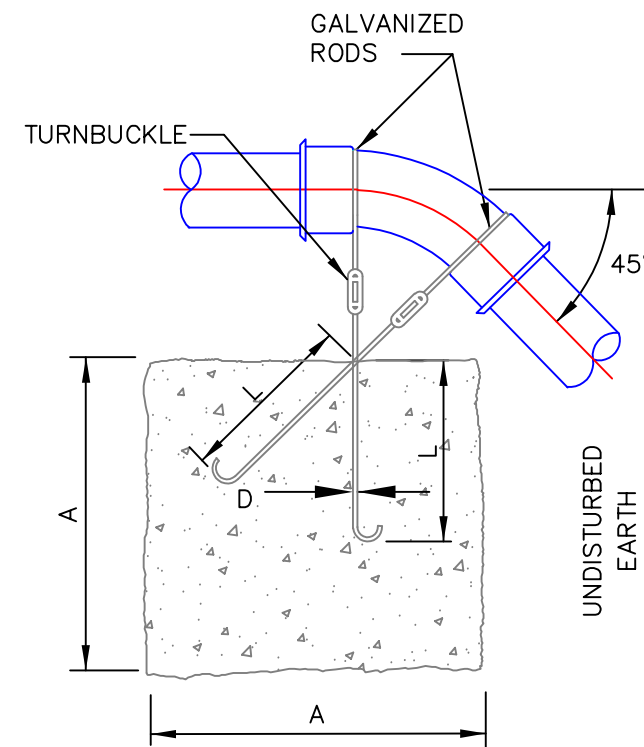
VERTICAL BLOCKING FOR 11 1/4°-22 1/2°-30° BENDS					
PIPE SIZE	V B	CU FT	A	D	L
4"	11 1/4°	8	2.0'	5/8"	1.5'
	22 1/2°	11	2.2'		2.0'
	30°	17	2.6'		
6"	11 1/4°	11	2.2'	5/8"	2.0'
	22 1/2°	25	2.9'		
	30°	41	3.5'		
8"	11 1/4°	16	2.5'	5/8"	2.0'
	22 1/2°	47	3.6'		
	30°	70	4.1'		
12"	11 1/4°	32	3.2'	3/4"	2.0'
	22 1/2°	88	4.5'	7/8"	3.0'
	30°	132	5.1'		
16"	11 1/4°	70	4.1'	7/8"	3.0'
	22 1/2°	184	5.7'	1 1/8"	4.0'
	30°	275	6.5'	1 1/4"	
20"	11 1/4°	91	4.5'	7/8"	3.0'
	22 1/2°	225	6.1'	1 1/4"	4.0'
	30°	330	6.9'	1 3/8"	4.5'
24"	11 1/4°	128	5.0'	1"	3.5'
	22 1/2°	320	6.8'	1 3/8"	4.5'
	30°	480	7.9'	1 5/8"	5.5'
VERTICAL BLOCKING FOR 45° BENDS					
4"	45°	30	3.1'	5/8"	2.0'
6"		68	4.1'		
8"		123	5.0'		
12"		232	6.1'	3/4"	2.5'
16"		478	7.8'	1 1/8"	4.0'
20"		560	8.2'	1 1/4"	
24"	820	9.4'	1 3/8"	4.5'	

NOTES:

1. CONCRETE BLOCKING BASED ON 200 PSI PRESSURE AND 3000 PSI CONCRETE.



VERTICAL BLOCKING
FOR 11 1/4°, 22 1/2°, & 30° BENDS

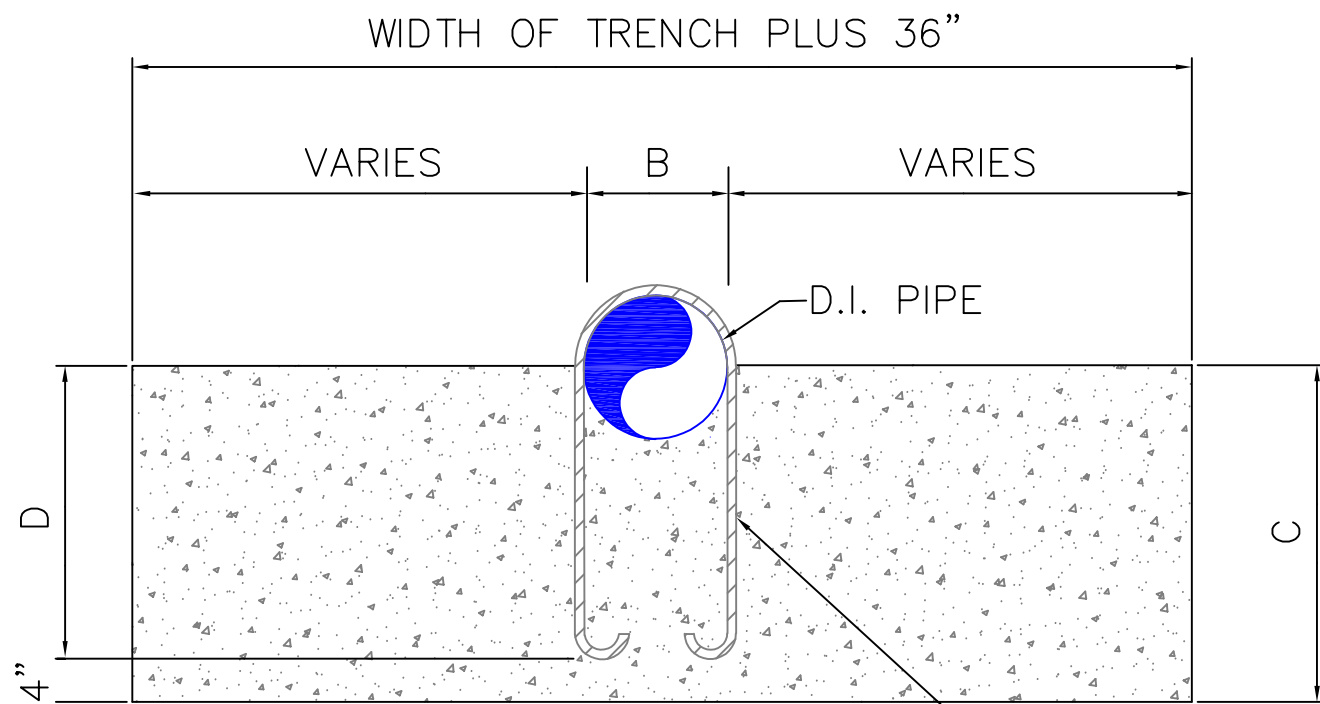
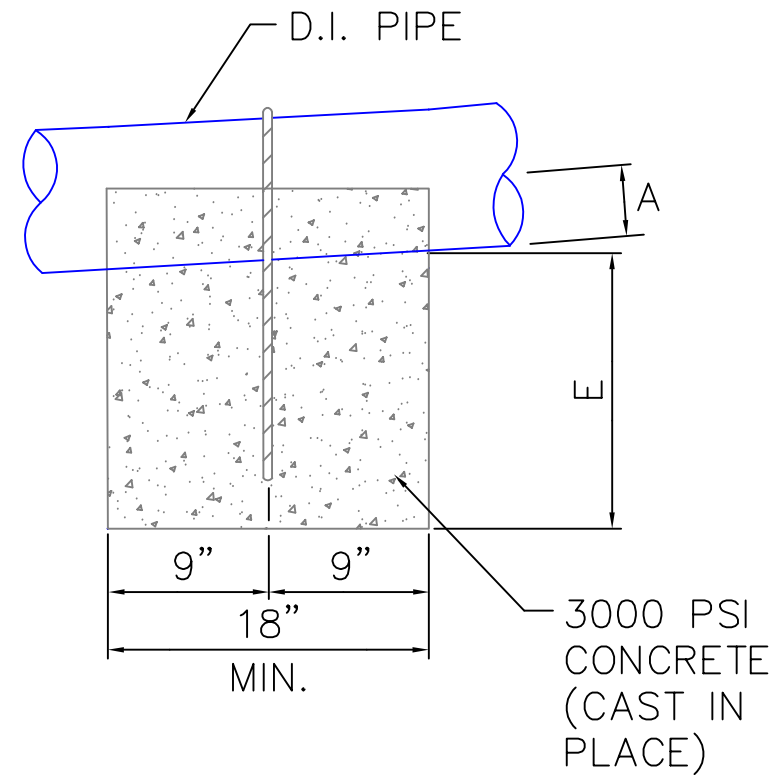
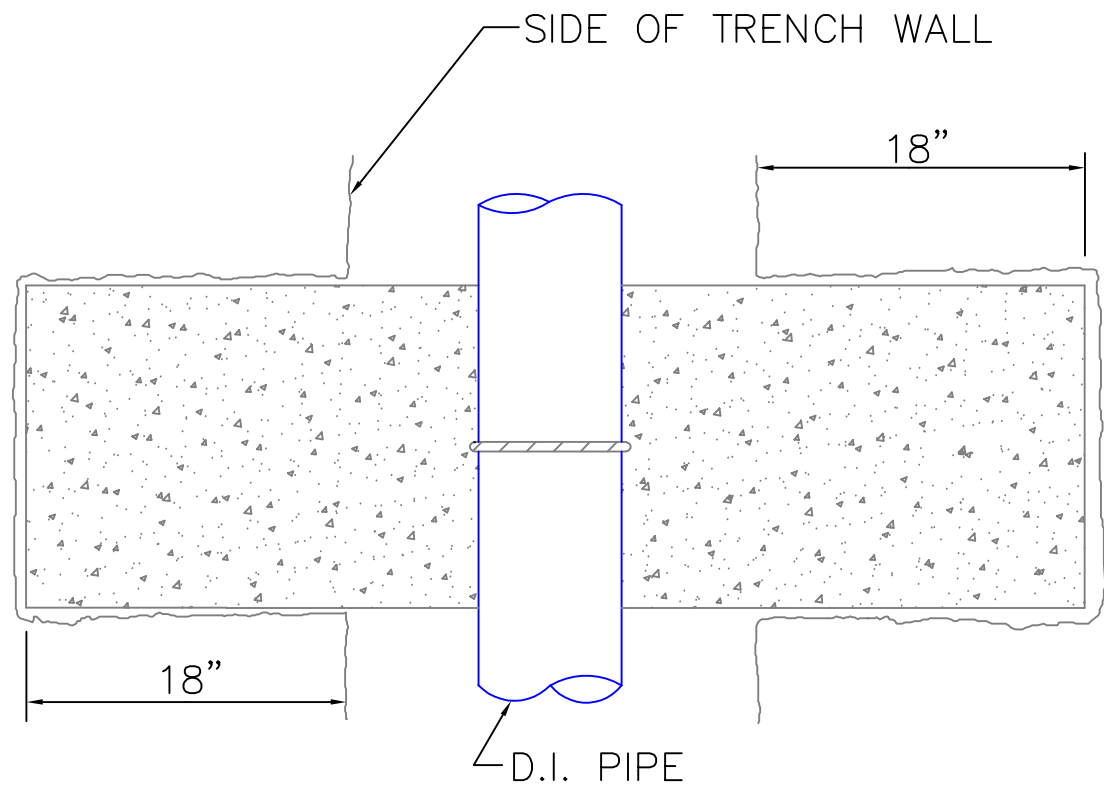


VERTICAL BLOCKING
FOR 45° BENDS

STANDARD DETAIL
VERTICAL THRUST
BLOCK



SCALE: AS SHOWN	DESIGNED	CAW	APPROVED BY	STANDARD SPECIFICATIONS
	DRAWN	CAW	APPROVED BY	STANDARD SPECIFICATIONS
DATE DRAWN	11/03/2020	CHECKED	DATE APPROVED	
REVISIONS	DATE	INITIAL		



NO. 6 REBAR (COAT EXPOSED PORTION WITH ASPHALTIC MATERIAL)

PIPE SIZE	DIMENSIONS (INCHES)				
	A	B	C	D	E
4"	2.4	4.8	17	13	14.6
6"	3.5	6.9	18	14	14.5
8"	4.5	9.1	19	15	14.5
10"	5.6	11.1	20	16	14.4
12"	6.6	13.2	21	17	14.4
14"	7.7	15.3	22	18	14.3
16"	8.7	17.4	23	19	14.3
18"	9.8	19.5	24	20	14.2

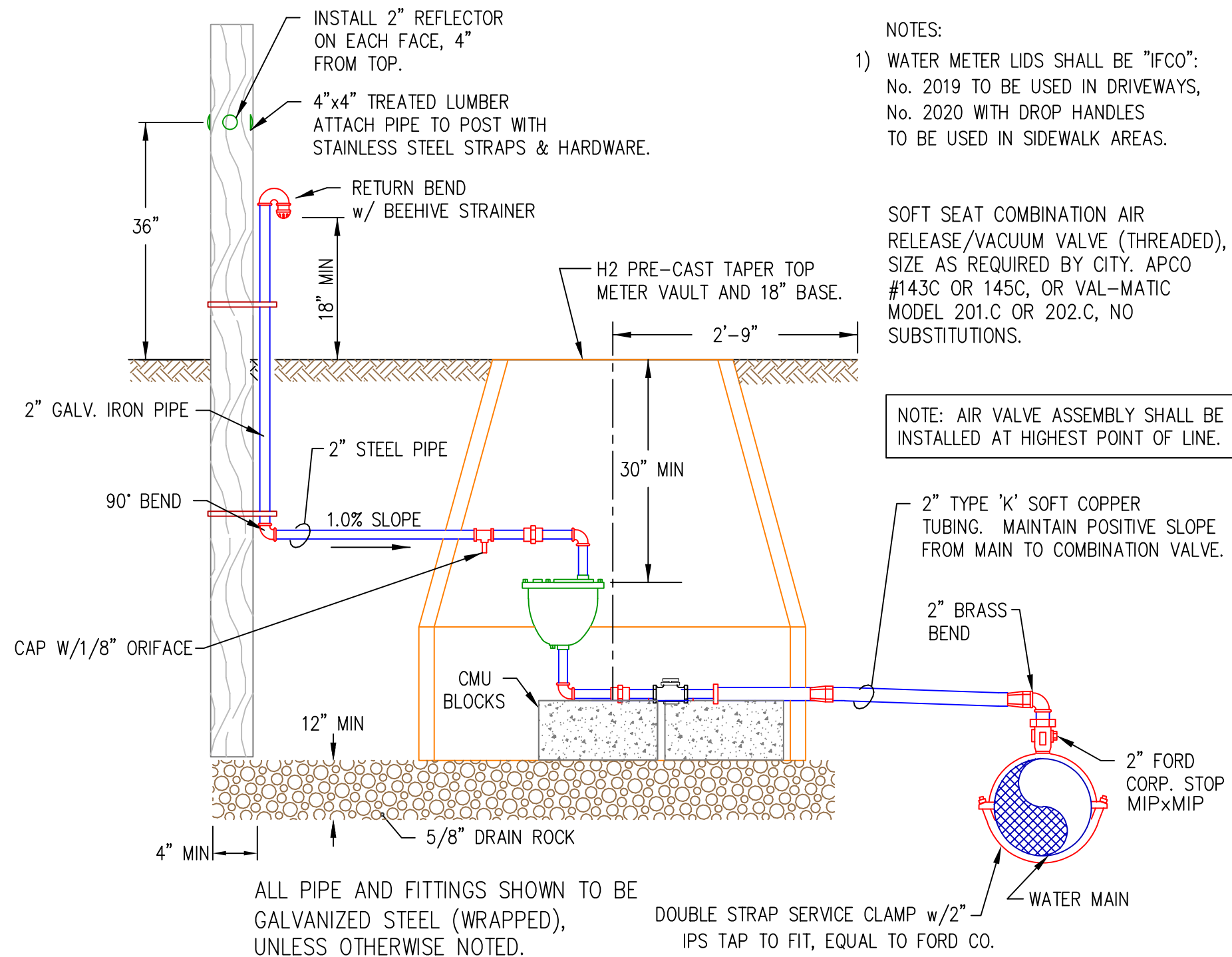
SLOPES > 20% – PROVIDE CONCRETE SLOPE ANCHORS (20' TO 25' ON CNTR.)

**STANDARD DETAIL
CONCRETE SLOPE
ANCHOR**



SCALE: AS SHOWN	DESIGNED	DRAWN	CHECKED	DATE DRAWN	REVISIONS
	APPROVED BY	CAW	DATE APPROVED	11/04/2020	DATE INITIAL
STANDARD SPECIFICATIONS					

DETAIL NO.



NOTES:
 1) WATER METER LIDS SHALL BE "IFCO":
 No. 2019 TO BE USED IN DRIVEWAYS,
 No. 2020 WITH DROP HANDLES
 TO BE USED IN SIDEWALK AREAS.

SOFT SEAT COMBINATION AIR
 RELEASE/VACUUM VALVE (THREADED),
 SIZE AS REQUIRED BY CITY. APCO
 #143C OR 145C, OR VAL-MATIC
 MODEL 201.C OR 202.C, NO
 SUBSTITUTIONS.

NOTE: AIR VALVE ASSEMBLY SHALL BE
 INSTALLED AT HIGHEST POINT OF LINE.

2" TYPE 'K' SOFT COPPER
 TUBING. MAINTAIN POSITIVE SLOPE
 FROM MAIN TO COMBINATION VALVE.

2" BRASS
 BEND

2" FORD
 CORP. STOP
 MIPxMIP

← WATER MAIN

DOUBLE STRAP SERVICE CLAMP w/2"
 IPS TAP TO FIT, EQUAL TO FORD CO.

ALL PIPE AND FITTINGS SHOWN TO BE
 GALVANIZED STEEL (WRAPPED),
 UNLESS OTHERWISE NOTED.

COMBINATION AIR VALVE

N.T.S.

STANDARD DETAIL COMBINATION AIR VALVE



SCALE: AS SHOWN	DESIGNED	DRAWN	CHECKED	DATE APPROVED	STANDARD SPECIFICATIONS
	RLK	RLK	SK		
DATE DRAWN	08/03/2006				
REVISIONS	DATE	INITIAL			
	12/21/2020	CAW			

DETAIL NO.

W-400

PAGE

1 OF 1