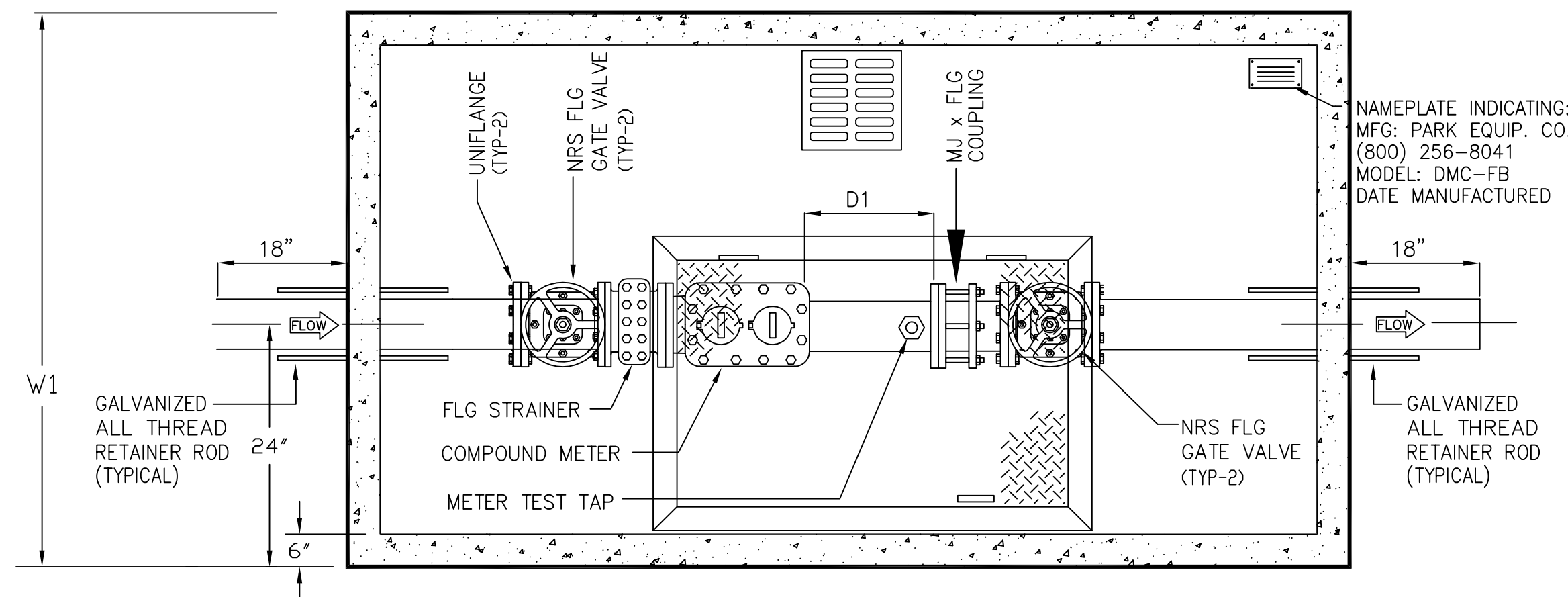


WATER MAINS NOTE:

ALL PVC 6 IN. OR GREATER,
MUST BE BLUE IN COLOR.

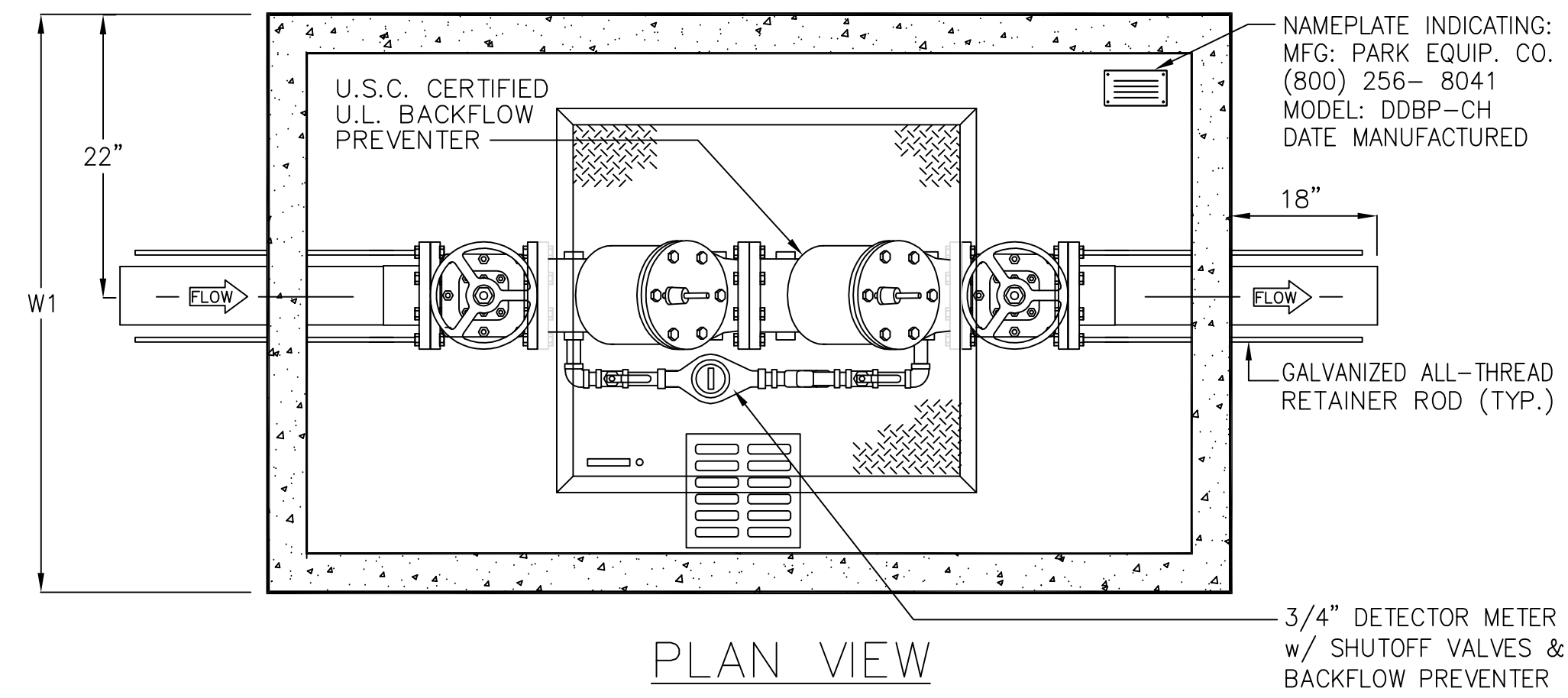
(NO 90 DEGREE BENDS ALLOWED)



PLAN VIEW

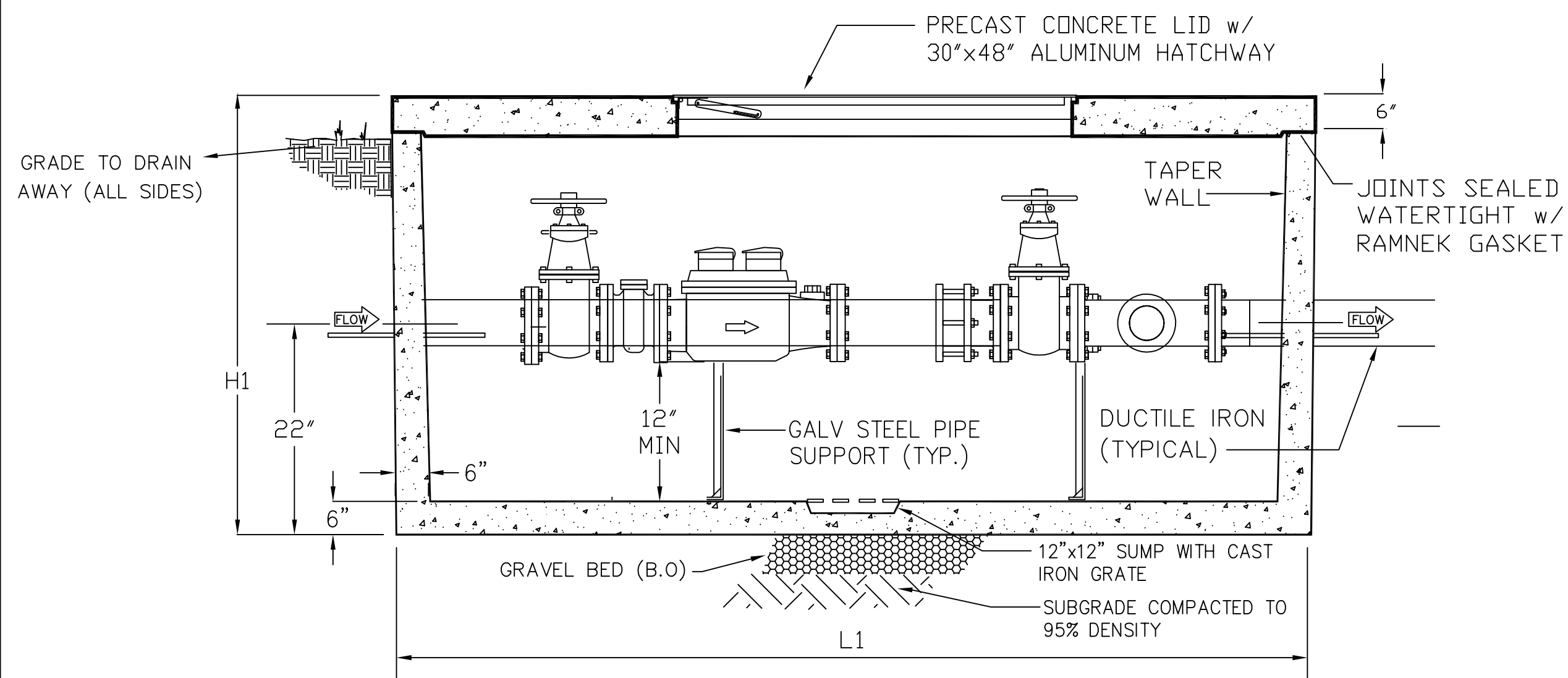
MASTER METER DUEL BODY COMPOUND (DBC) METERS

DIMENSIONS						
MODEL	SIZE	D1	L1	W1	H1	WEIGHT LBS
DBC-3	3"	15"	8'-8"	4'-8"	4'-6"	14,000
DBC-4	4"	20"	8'-8"	4'-8"	4'-6"	14,000
DBC-6	6"	30"	11'-0"	6'-0"	4'-6"	22,000



PLAN VIEW

MODEL	SIZE	L1	W1	H1	ALUMINUM HATCHWAY	
					WEIGHT	LBS
709DCDA	3"	6'-0"	3'-6"	4'-6"	30"x36"	6,000
806YD	4"	7'-10"	4'-4"	6'-0"	30"x48"	9,000
	6"	7'-10"	4'-4"	6'-0"	30"x48"	9,000
	8"	8'-8"	5'-0"	6'-0"	30"x48"	15,000
	10"	9'-2"	5'-8"	6'-6"	30"x48"	18,000



ELEVATION

Specifications

CONCRETE : Class 1 concrete with design strength of 4,500 PSI at 28 days. Unit is of monolithic construction at floor and first stage of wall with sectional riser to required depth.

REINFORCEMENT: Grade 60 steel rebar conforming to ASTM A615 on required centers or equal.

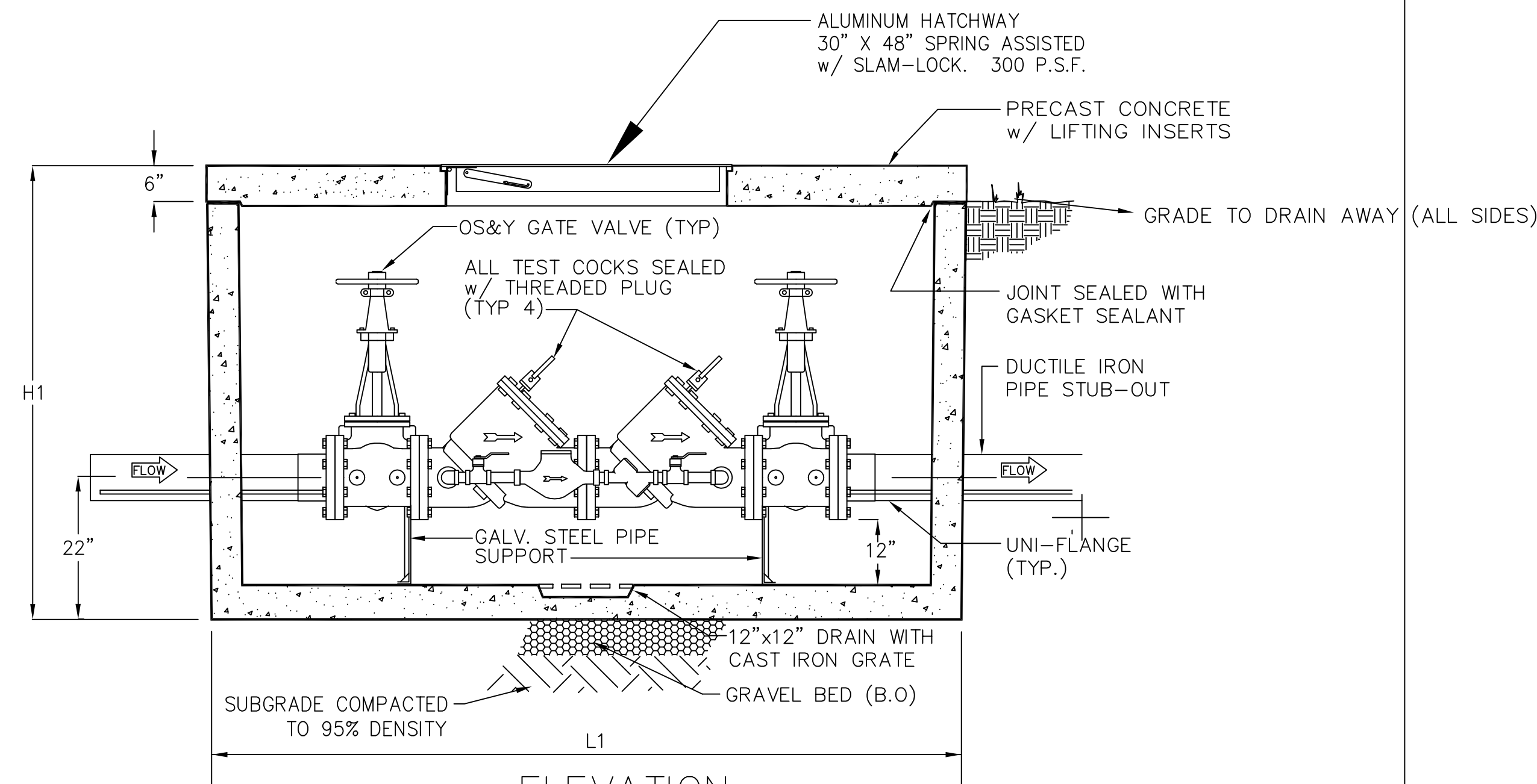
HATCHWAY: Hinged 1/4" Aluminum diamond plat cover with extruded aluminum frame. Hatch to be furnished with 316 stainless steel snap lock & brass hinges.

Engineering Data

The meter assembly shall be factory assembled in vault & hydrostatically tested prior to delivery. Field excavation & preparation shall be complete prior to delivery. Pipe, valves and fittings of the assembly shall be approved by one or more of the following associations:



**3" THRU 6" DOMESTIC COMPOUND
WATER METER ASSEMBLY**



ELEVATION

Specifications

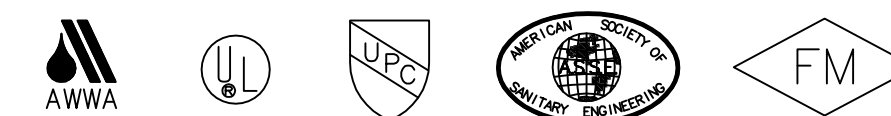
CONCRETE : Class 1 concrete with design strength of 4,500 PSI at 28 days. Unit is of monolithic construction at floor and first stage of wall with sectional riser to required depth.

REINFORCEMENT: Grade 60 steel rebar conforming to ASTM A615 on required centers or equal.

HATCHWAY: Hinged 1/4" Aluminum diamond plat cover with extruded aluminum frame. Hatch to be furnished with 316 stainless steel snap lock & brass hinges.

Engineering Data

The backflow assembly shall be factory assembled in vault & hydrostatically tested prior to delivery. Field excavation & preparation shall be complete prior to delivery. Pipe, valves and fittings of the assembly shall be approved by one or more of the following associations:



**3" THRU 10" DOUBLE DETECTOR BACKFLOW
PREVENTER ASSEMBLY FOR FIRE SERVICE**

METER VAULT AND BY-PASS SPECIFICATIONS

1. NOTIFY THE UTILITY OPERATIONS DEPARTMENT PRIOR TO CONSTRUCTION OF VAULT.
2. THE METER VAULT CAN BE EITHER POURED IN PLACE OR PREFABRICATED. CONCRETE SHALL BE 6" THICK AND BE 3,000 P.S.I. WITH #4 REINFORCEMENT STEEL ON 12" CENTERS EACH WAY. THESE ARE MINIMUM SPECIFICATIONS.
3. THE VAULT WILL NOT BE PUT IN ANY DRIVE OR PARKING AREAS AND MUST BE LOCATED IN A UTILITY EASEMENT.
4. A DRAWING WITH THE EXACT MEASUREMENTS OF THE METER VAULT AND BY-PASS WILL BE SUBMITTED TO THE ENGINEERING DIVISION FOR APPROVAL FOR ALL METERS 3" AND LARGER.
5. THE VAULT LID SHALL BE A BILCO LID, TYPE K-5 SINGLE LEAF DESIGN. ANGLE FRAME IS 1/4" STEEL WITH STRAP ANCHORS BOLTED TO THE EXTERIOR. THE LEAF IS 1/4" STEEL DIAMOND PATTERN PLAT, PIVOTING ON TORSION BARS FOR EASY OPERATION. THE MINIMUM LIVE LOAD CAPACITY IS 150 LBS. PER SQUARE FOOT. THE SIZE OF THE LID IS 3'-6" X 3'-6" ALUMINUM. LARGER VAULTS WILL REQUIRE BILCO DOUBLE DOORS AS SPECIFIED BY THE ENGINEER.
6. THE BOTTOM OF THE METER VAULT MUST BE 6" THICK CONCRETE WITH #4 REBAR ON 12" CENTERS AND HAVE A 4" FILL SAND CUSHION UNDERNEATH. A SUMP 4" DEEP AND 12" IN DIAMETER SHALL BE INSTALLED TO ONE SIDE OF THE CENTER OF THE BOTTOM SLAB. IF PRECAST VAULT IS USED, WHERE SIDES JOIN THE BOTTOM, A LAYER OF RAM-NEK SHALL BE USED TO SEAL THE JOINT.
7. DEPTH OF VAULT SHALL BE A MINIMUM OF 4-1/2 FEET.

NOTES:

1. JACK-HAMMERING VAULT WALLS WILL NOT BE PERMITTED.

NO.	REVISION	BY	DATE
<p>CERTIFICATION: CITY OF DESOTO STANDARD CONSTRUCTION DETAIL SHEET IS AUTHORIZED FOR USE IN THIS PROJECT BY THE ENGINEER WHOSE SEAL APPEARS ON THIS SHEET. THIS ENGINEER IS ALSO CERTIFYING THAT THE DETAIL AND NOTES ON THIS SHEET HAVE NOT BEEN ALTERED FROM THAT RECEIVED FROM THE CITY OF DESOTO.</p>			
<p>STANDARD CONSTRUCTION DETAILS</p>			
<p>CITY OF DESOTO, TEXAS DEVELOPMENT SERVICES ENGINEERING DEPARTMENT</p>			
<p>WATER</p>			
DATE: APRIL, 2016		SHEET: SD-15	

ENGINEERING SEAL