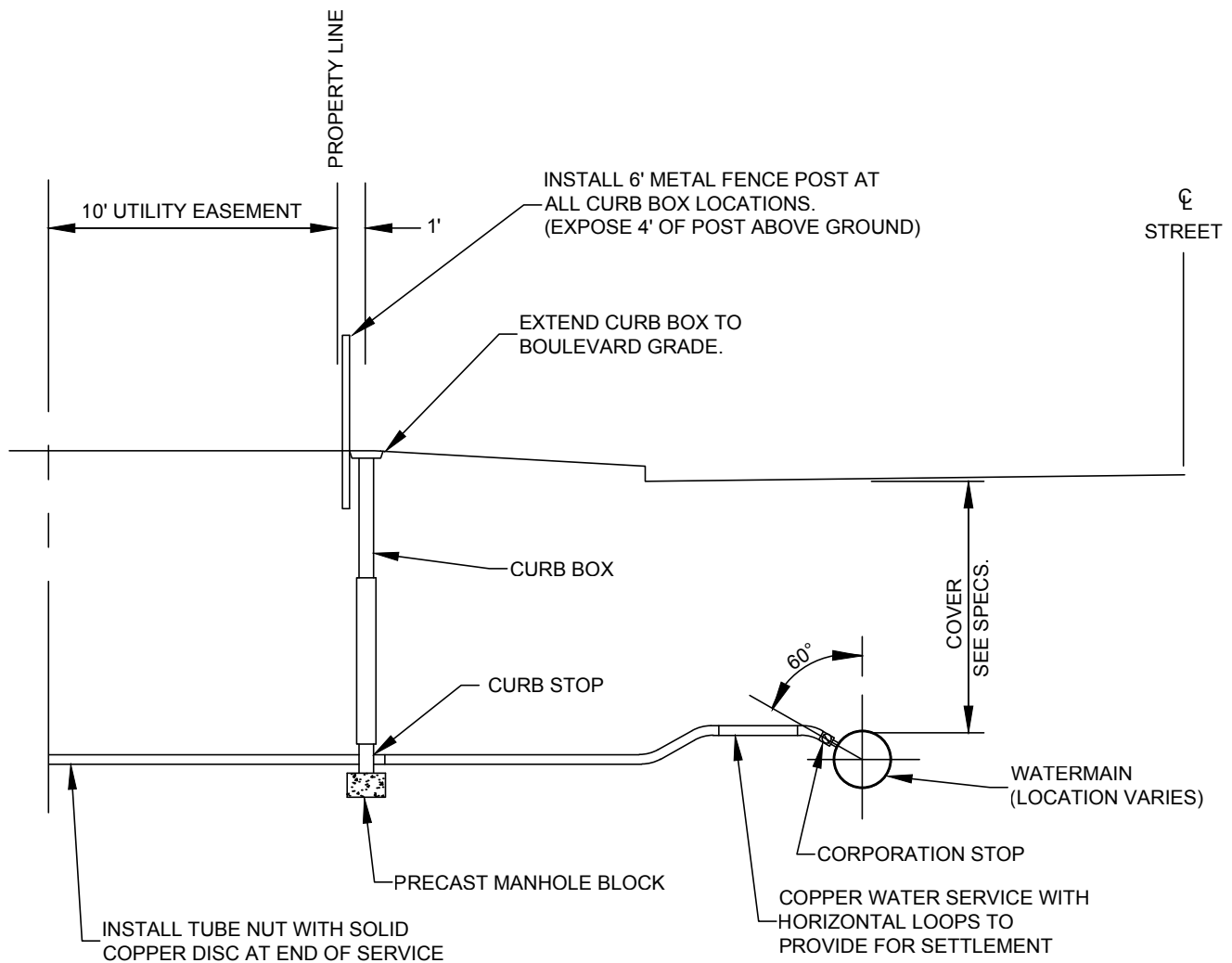




NOTES:

1. SEE SPECS FOR SIZE & TYPE OF MATERIALS.
2. MAINTAIN 18" VERTICAL & 24" HORIZONTAL SEPERATION BETWEEN SEWER & WATER SERVICE LINES

DESIGN:	DATE:	 ENGINEERING DEPARTMENT WATER MAIN SERVICE CONNECTION	PLATE NUMBER
DRAWN:			
REVISIONS			
			W-2

Ford Abandoned Corp Cap

Style FACC

Accommodates nominal pipe sizes 4" through 24"

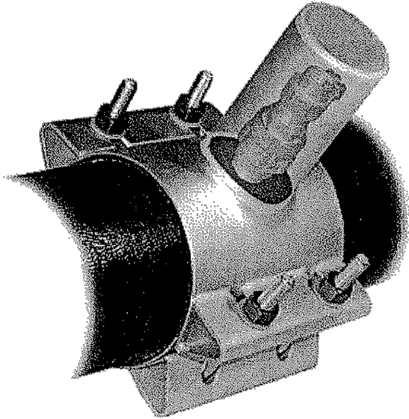
The Ford Abandoned Corporation Cap provides a quick and easy way to encapsulate corporation stops that are no longer used to provide water service.

3" cap to encapsulate 1/2" through 1" corporation stops
5" cap to encapsulate 1-1/4" through 2" corporation stops

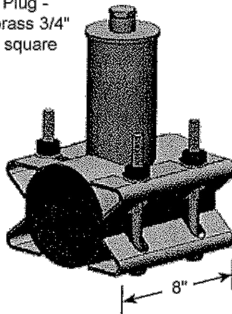
Specifications:

Body: 18-8 type 304 stainless steel construction
Gasket: Gridded SBR full pad gasket
Outlet Gasket: Buna-N outlet gasket
Bolts and Nuts: 18-8 type 304 stainless steel hardware

CAP SIZE	CORP RANGE
3"	1/2" - 1"
*5"	1-1/4" - 2"



Optional Test Plug -
Waterworks brass 3/4"
with standard square
head



NOMINAL PIPE SIZE	SLEEVE O.D. RANGE	CATALOG NUMBER WITH 3" OUTLET
4"	4.50-4.80	FACC-480
	4.80-5.00	FACC-500
	5.10-5.30	FACC-530
	5.20-5.40	FACC-540
*6"	6.63-7.00	FACC-700
	6.90-7.30	FACC-730
	7.30-7.50	FACC-750
*8"	8.63-9.05	FACC-905
	9.05-9.30	FACC-930
	9.30-9.60	FACC-960
	9.45-9.75	FACC-975
*10"	10.75-11.10	FACC-1110
	11.10-11.40	FACC-1140
	11.40-11.70	FACC-1170
	11.85-12.15	FACC-1215
*12"	12.75-13.20	FACC-1320
	13.20-13.50	FACC-1350
	13.50-13.80	FACC-1380
	14.10-14.40	FACC-1440
*14"	15.30-15.70	FACC-1570
	15.80-16.20	FACC-1620
	16.48-16.88	FACC-1688
	17.40-17.80	FACC-1780
*16"	17.75-18.15	FACC-1815
	18.15-18.60	FACC-1860
	18.80-19.20	FACC-1920
	19.50-19.92	FACC-1992
*18"	19.80-20.20	FACC-2020
	20.20-20.60	FACC-2060
	21.20-21.60	FACC-2160
	23.80-24.20	FACC-2420
*20"	25.60-26.00	FACC-2600
	26.20-26.60	FACC-2660

Options Include:

Add "-TP" to end of catalog number for Test Plug option.
Example: FACC-930-TP

*Optional: 5" cap to encapsulate 1-1/4" through 2"
corporation Stops, add "-XL" following the sleeve O.D.
Example: FACC-930-XL

NOTES:

1. SEE SPECS FOR SIZE & TYPE OF MATERIALS.

L-20

DESIGN:	DATE: 8/22/13
DRAWN:	
REVISIONS	

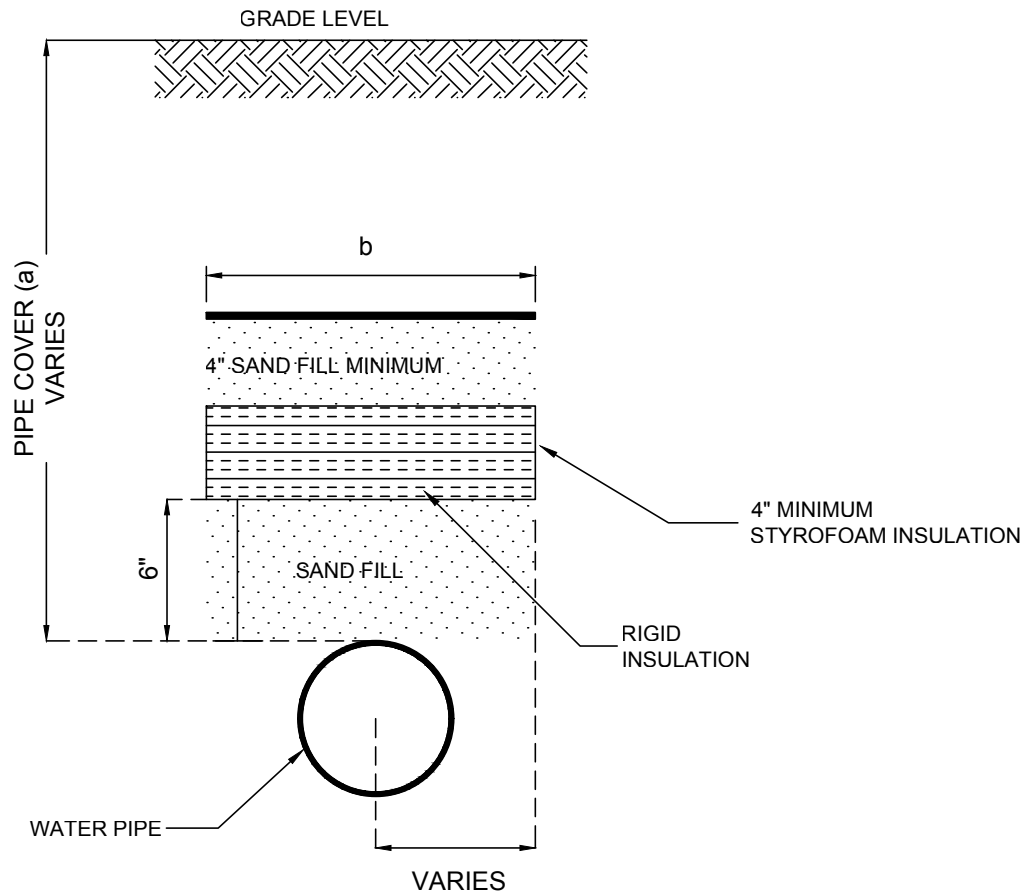


ENGINEERING DEPARTMENT

WATER MAIN SERVICE
DISCONNECTION

PLATE
NUMBER

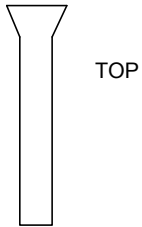
W-3



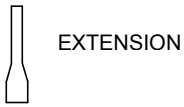
NOTE:
PIPE SHALL BE CENTERED UNDER INSULATION
UNLESS OTHERWISE SPECIFIED

PIPE COVER (a)	INSULATION BOARD WIDTH (b)
2'	11'
3'	9'
4'	7'
5'	5'
6'	3'

DESIGN:	DATE:	 ENGINEERING DEPARTMENT INSULATION DETAILS	PLATE NUMBER
DRAWN:			
REVISIONS	02-08-2018		
			W-4



TOP



EXTENSION



BOTTOM



BASE

IF OPTIONAL LOCKING CAP IS
DESIRED, MUST USE KNOXBOX.COM
PART NUMBER 5049

16" BREAKOFF

CURB & GUTTER

GATE VALVE BOX

6" GATE VALVE

6" D.I.P.

CONCRETE BLOCK

NOTES

STANDARD REQUIREMENT:
5 INCH STORZ NON-LOCKING CONNECTION AND CAP ON THE
HYDRANT

OPTIONAL:
KNOX LOCKING 5 INCH STORZ ADAPTER/CAP SYSTEM

ALL HYDRANTS AND GATE VALVES SHALL HAVE
MECHANICAL JOINT CONNECTIONS. ALL VALVES TO
OPEN COUNTER-CLOCKWISE.

ALL BACKFILL SHALL BE PROPERLY COMPACTED.

1 CANDY CANE STYLE FLAG PER HYDRANT.

WHEN INSTALLING A HYDRANT ROD EXTENSION, THE
NONBREAKABLE COUPLING SLEEVES GO ON THE
BOTTOM AND THE BREAKABLE SLEEVES GO ON THE
TOP OF THE EXTENSION ROD.

FIRE HYDRANTS SHALL BE PAINTED YELLOW AT THE
FACTORY.

POLYWRAP ALL PIPES AND FITTINGS, MEGA LUG ALL
FITTINGS, INCLUDE CORROSION PROTECTION AT EACH
JOINT.

ALL HYDRANTS SHALL BE INSTALLED WITH STORZ NOZZLE
PERPENDICULAR TO ROADWAY.

WEEP HOLE TO REMAIN OPEN.

HYDRANTS TO CONFORM WITH DIMENSIONAL
REQUIREMENTS FOR NONTHREADED CONNECTIONS IN
ACCORDANCE WITH NFPA 1983 STANDARDS FOR FIRE HOSE
CONNECTIONS.

DESIGN:	DATE:
DRAWN:	
REVISIONS	02-08-2018



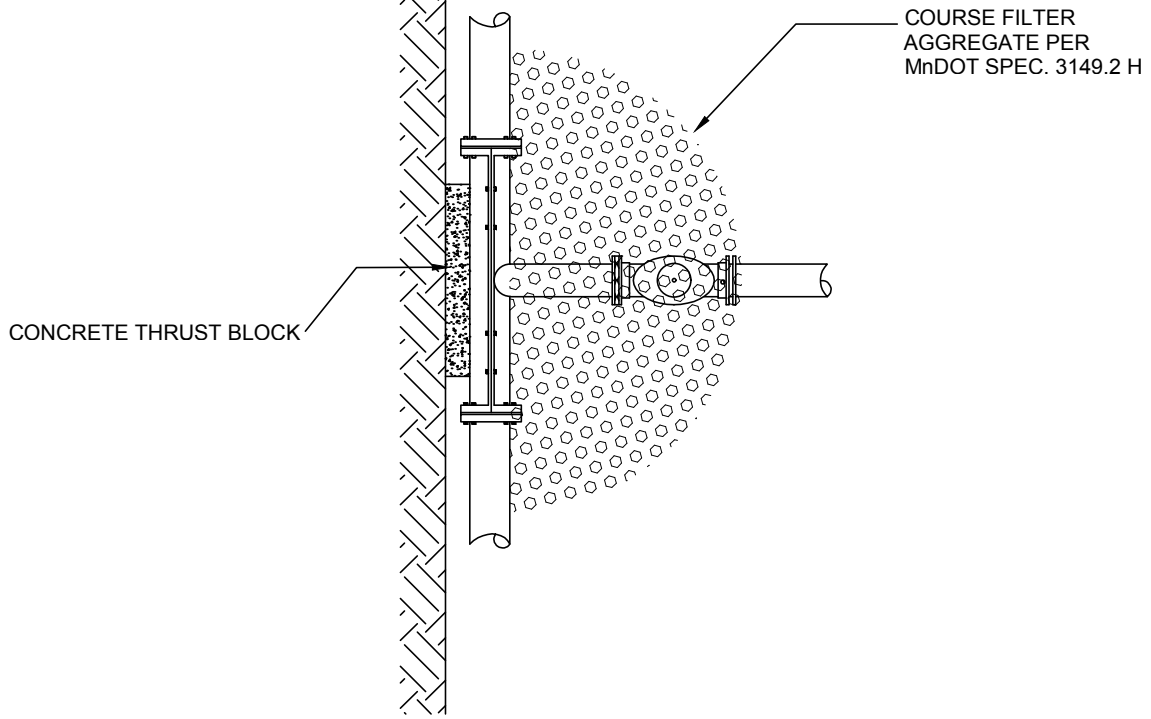
ENGINEERING DEPARTMENT

GATE VALVE AND BOX INSTALLATION

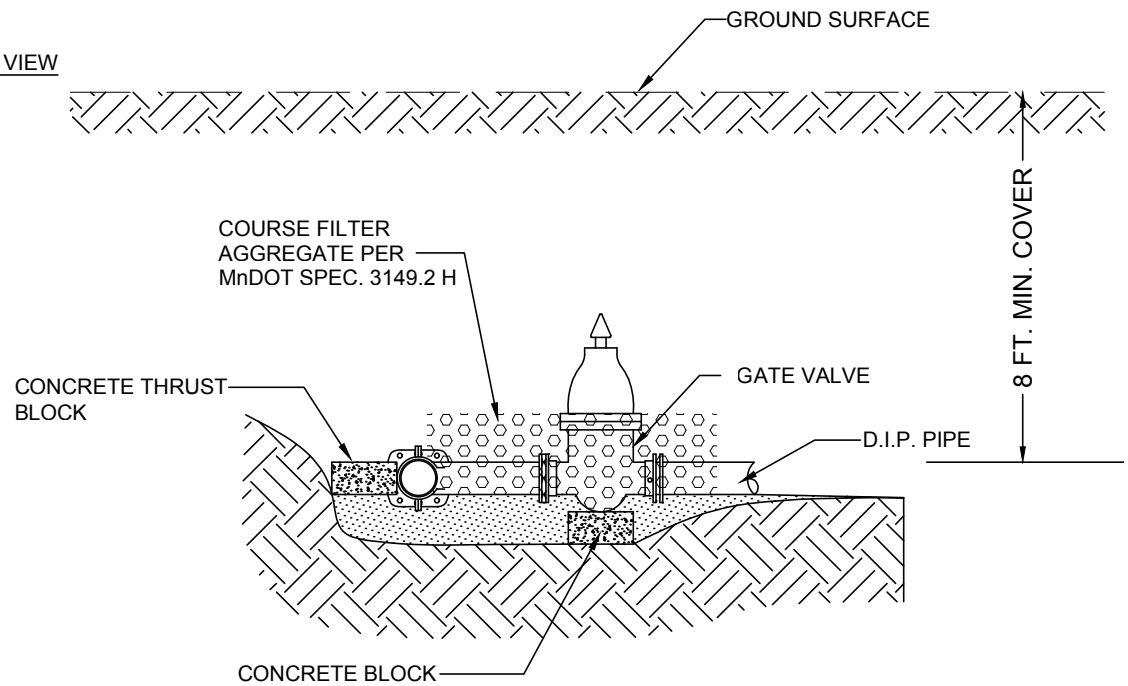
PLATE
NUMBER

W-5

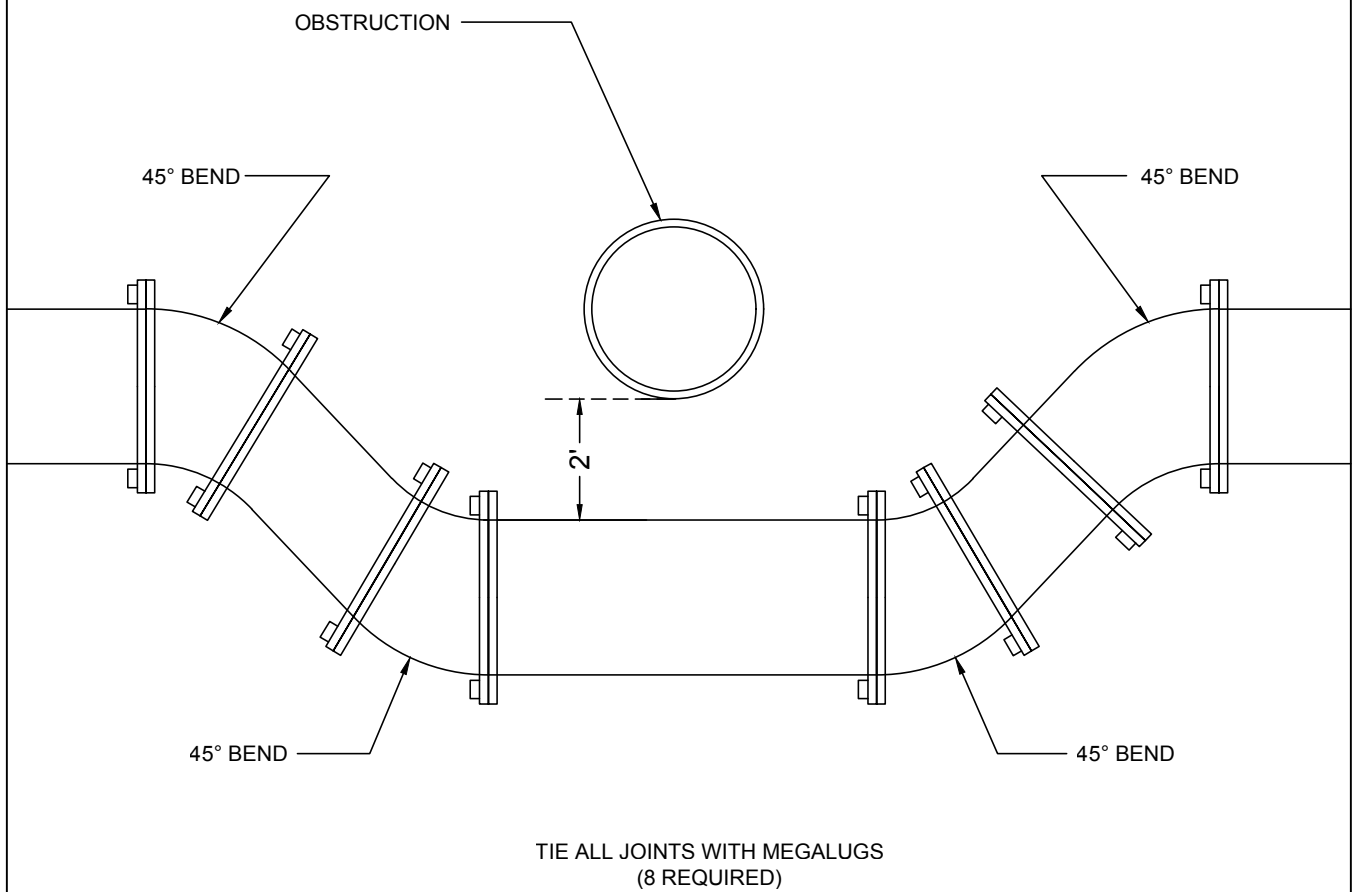
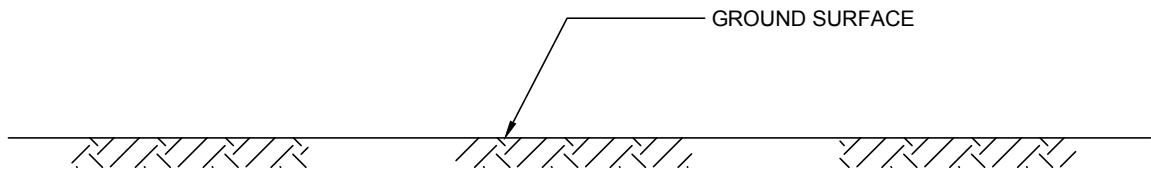
PLAN VIEW



PROFILE VIEW

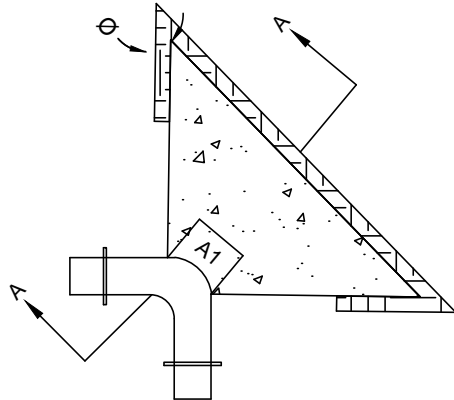


DESIGN:	DATE:	 ENGINEERING DEPARTMENT WATER MAIN WET TAP	PLATE NUMBER
DRAWN:			
REVISIONS	02-08-2018		W-6

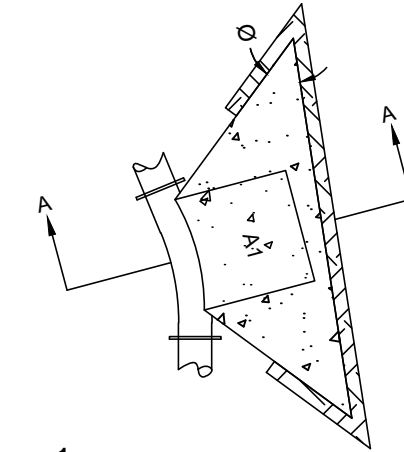


DESIGN:	DATE:	 ENGINEERING DEPARTMENT WATER MAIN OFFSET WITH MEGALUGS	PLATE NUMBER
DRAWN:			
REVISIONS	02-08-2018		W-7

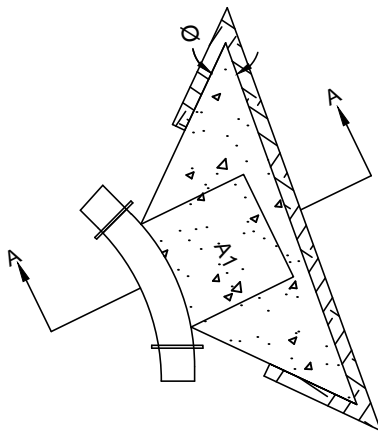
BUTTRESS DIMENSIONS						
PIPE SIZE	22½° BEND		45° BEND		90° BEND	
	B1	D1	B1	D1	B1	D1
6"	--	--	--	--	2'-1"	1'-6"
8"	--	--	--	--	2'-8"	2'-0"
12"	1'-10"	1'-10"	3'-4"	2'-0"	4'-9"	2'-6"
16"	3'-0"	2'-0"	3'-10"	3'-0"	6'-2"	3'-6"
20"	3'-6"	2'-8"	5'-6"	3'-4"	8'-4"	4'-0"
24"	4'-4"	3'-0"	6'-10"	3'-10"	9'-8"	5'-0"
30"	--	--	9'-3"	6'-0"	17'-0"	6'-0"



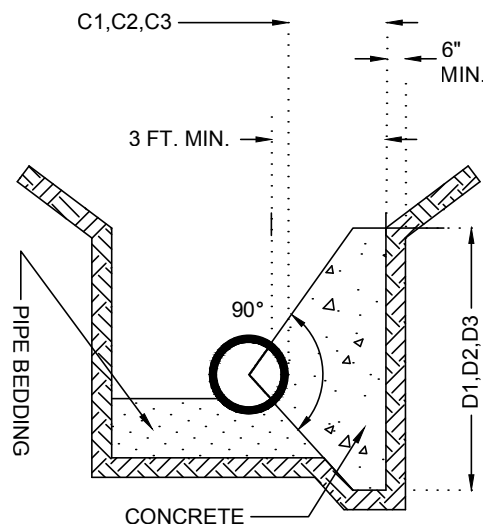
90 ° BEND PLAN VIEW



22 ½ ° BEND PLAN VIEW



45 ° BEND PLAN VIEW



X-SECTION A-A

NOTES

1. SHAPE OF BACK OF BUTTRESS MAY VARY AS LONG AS POURED AGAINST FIRM UNDISTURBED EARTH
2. DIMENSIONS: C1,C2,C3 SHOULD BE LARGE ENOUGH TO MAKE ANGLE Ø EQUAL OR LARGER THAN 45°
3. DIMENSIONS: A1,A2,A3 SHOULD BE AS LARGE AS POSSIBLE WITHOUT INTERFERING WITH MJ BOLTS
4. Ø = 45° MINIMUM.
5. PLACE POLYETHYLENE BETWEEN CONCRETE AND PIPE.

DESIGN:	DATE:
DRAWN:	
REVISIONS	02-08-2018

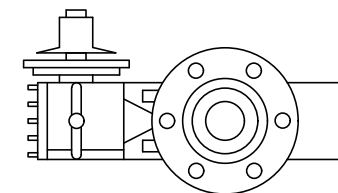
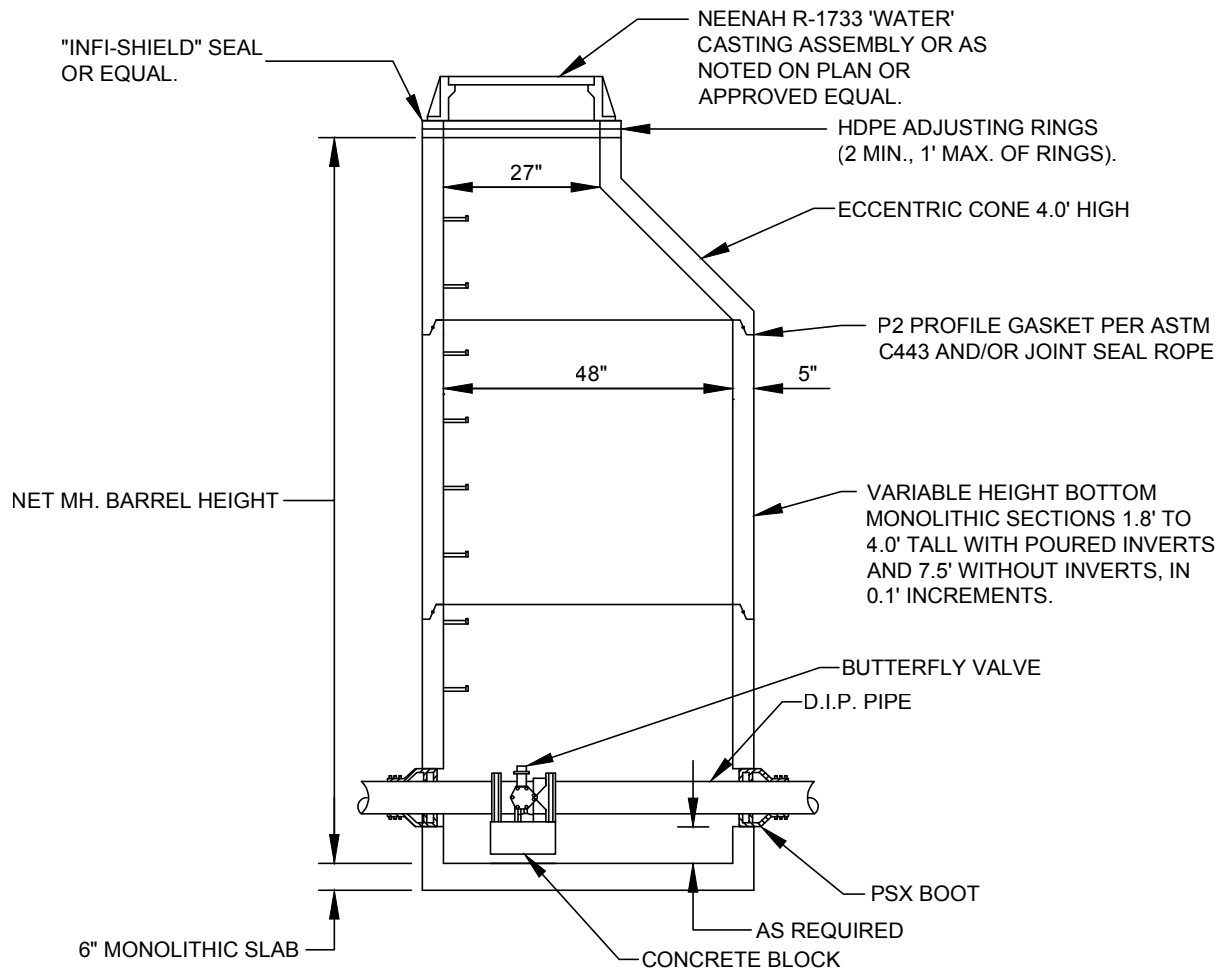


ENGINEERING DEPARTMENT

**CONCRETE THRUST
BLOCKING**

PLATE
NUMBER

W-8



BUTTERFLY VALVE SIDE VIEW

NOTES:

1. NO WOOD SHALL BE USED FOR ADJUSTING CASTING.
2. CAST IRON FRAME AND COVER AS PER SPECIFICATIONS.
3. MANHOLE STEPS SHALL BE ALUMINUM, OR STEEL REINFORCED PLASTIC PER ASTM C478.
4. PRECAST REINFORCED CONCRETE MANHOLE SECTIONS PER ASTM C478 FURNISHED WITH O-RING GASKETS AND LUBRICANT EXCEPT AS OTHERWISE SPECIFIED. LIFT HOLES NOT PERMITTED IN MANHOLE SECTIONS.
5. PIPE CONNECTIONS TO MANHOLE SHALL BE MADE WATER TIGHT BY CAST IN PLACE RUBBER BOOT AND CEMENT MORTAR. INSIDE SURFACE SHALL BE FINISHED SMOOTH.
6. BUTTERFLY VALVES SHALL BE USED ON 16" DIA. WATER MAIN AND LARGER.
7. ALL BUTTERFLY VALVES TO OPEN COUNTER-CLOCKWISE.
8. VALVES SHALL BE KENNEDY, MUELLER, DRESSER 450, PRATT "GROUNDHOG", OR APPROVED EQUAL.

DESIGN:	DATE: 7/19/18
DRAWN:	DRT
REVISIONS	6/06/19



ENGINEERING DEPARTMENT

BUTTERFLY VALVE MANHOLE

PLATE
NUMBER

W-9