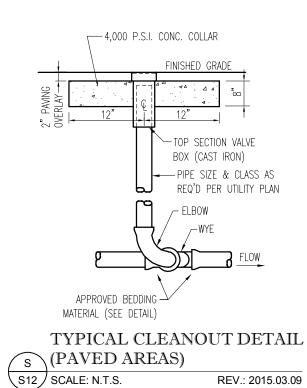
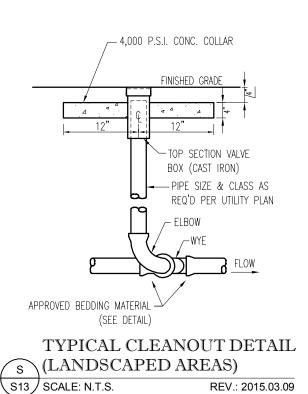
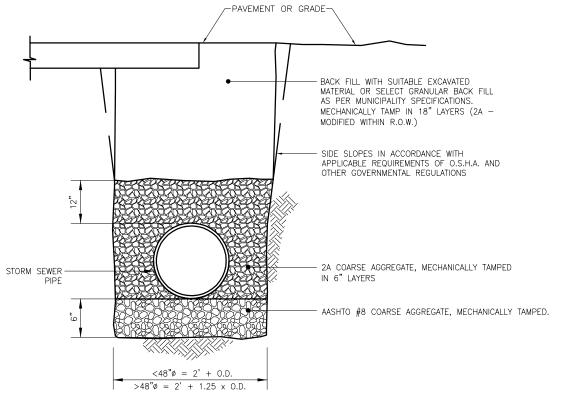


REV.: 2015.03.09

S1 SCALE: N.T.S.



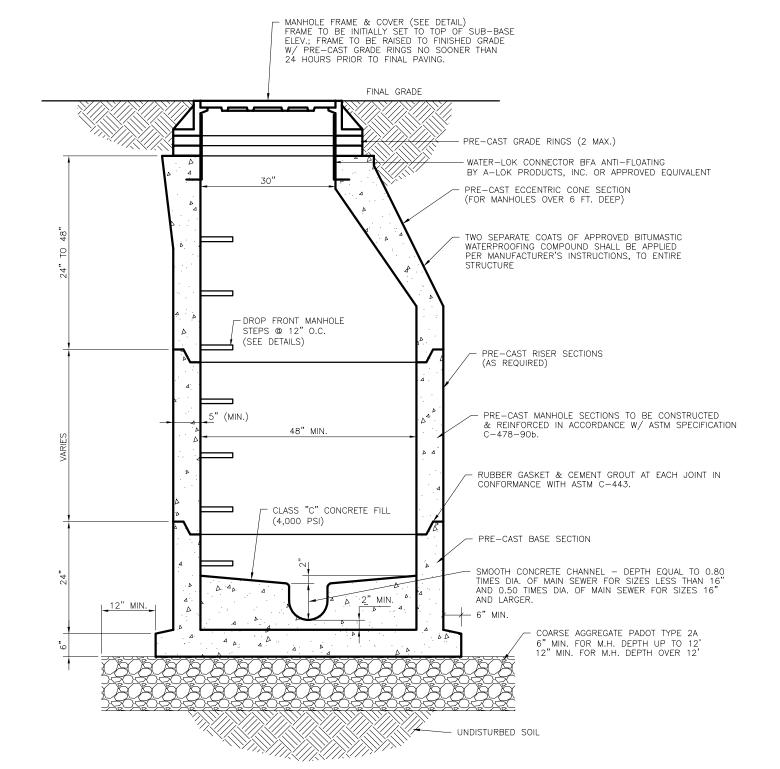




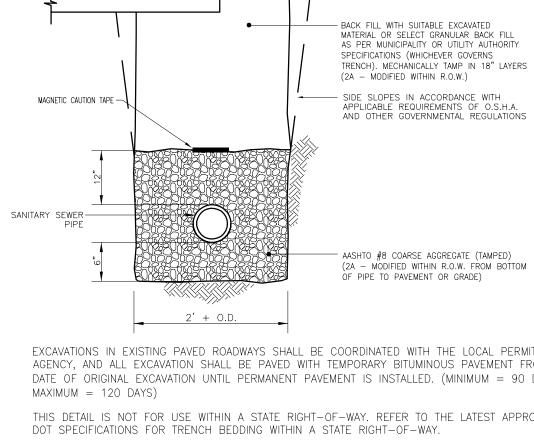
EXCAVATIONS IN EXISTING PAVED ROADWAYS SHALL BE COORDINATED WITH THE LOCAL PERMITTING AGENCY, AND ALL EXCAVATION SHALL BE PAVED WITH TEMPORARY BITUMINOUS PAVEMENT FROM THE DATE OF ORIGINAL EXCAVATION UNTIL PERMANENT PAVEMENT IS INSTALLED. (MINIMUM = 90 DAYS, MAXIMUM = 120 DAYS)

THIS DETAIL IS NOT FOR USE WITHIN A STATE RIGHT-OF-WAY. REFER TO THE LATEST APPROVED DOT SPECIFICATIONS FOR TRENCH BEDDING WITHIN A STATE RIGHT-OF-WAY.

R TRENCH BEDDING CLASSIFICATION (STORM) S8 SCALE: N.T.S. REV.: 2015.03.09



S PRECAST SANITARY MANHOLE DETAILS S3 SCALE: N.T.S. REV.: 2015.03.09

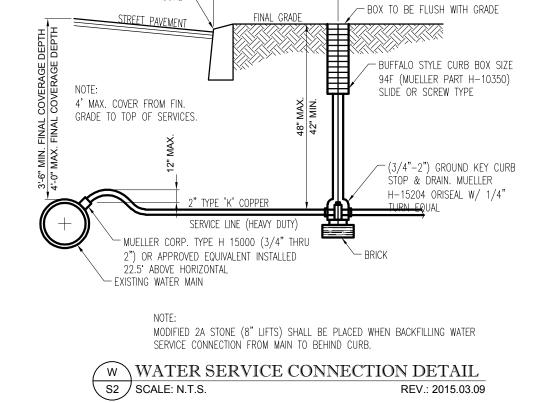


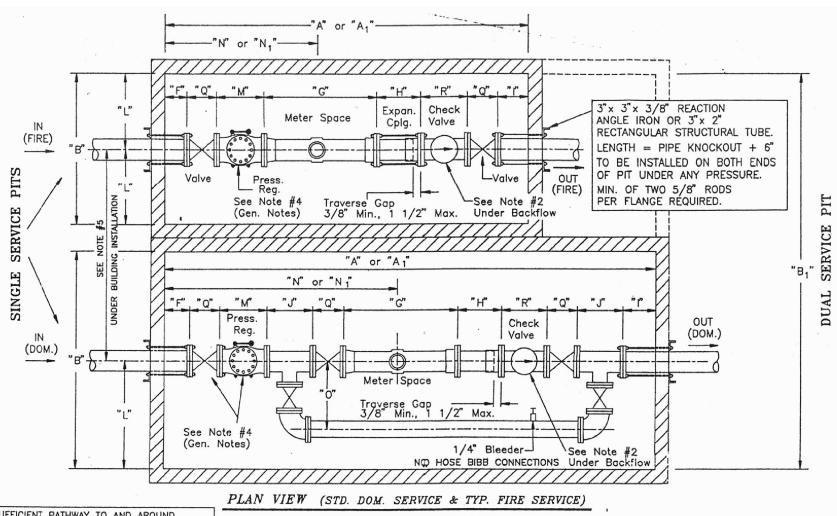
PAVEMENT OR GRADE

EXCAVATIONS IN EXISTING PAVED ROADWAYS SHALL BE COORDINATED WITH THE LOCAL PERMITTING AGENCY, AND ALL EXCAVATION SHALL BE PAVED WITH TEMPORARY BITUMINOUS PAVEMENT FROM THE DATE OF ORIGINAL EXCAVATION UNTIL PERMANENT PAVEMENT IS INSTALLED. (MINIMUM = 90 DAYS,

THIS DETAIL IS NOT FOR USE WITHIN A STATE RIGHT-OF-WAY. REFER TO THE LATEST APPROVED

TRENCH BEDDING CLASSIFICATION (SANITARY MAIN) S8 SCALE: N.T.S. REV.: 2015.03.09





ND MAINTENANCE OF METER.											PSW Co.	. Plan C-	3336.				
		SI	NGLE -	SERVI	CE PIT	DIMENS	IONS (11M	(MUMIV								
		FIRE								D	DOMESTIC (STANDARD)						
DESCRIPTION	CODE	1 1/2"	2"	4"	6"	8"	10"		1 1/2"	2"	3"	4"	6"	8"			
LENGTH (HIGH PRESSURE)	"A"	*-6'0"	* 6'-0"	9'-2"	11'-1"	12'-0"	15'-1"	\vdash	6'-0"	7'-4"	11'-5"	12'-0"	13'-1"	16'-9"			
LENGTH (LOW PRESSURE)	"A1"	*6'-0"	* 6'-0"	8'-0"	9'-7"	10'-0"	12'-7"		* 6'-0"	* 6'-0"	9'-8"	10'-0"	10'-0"	13'-0"			
WIDTH	"B"	4'-0"	4'-0"	4'-0"	4'0"	5'-0"	6'-0"		4'-0"	4'-0"	5'-2"	5'-2"	5'-4"	5'-7"			
ACCESS DOOR	"C"	3' x 3'	4' x 4'		3' x 3'	3' × 3'	3' × 3'	3' x 3'	3' x 3'	3' x 3'							
MAX. LENGTH OFF WALL (INLET)	"F"	6"	6"	9"	9"	9"	9"		6"	6"	9"	9"	9"	9"			
LAYING LENGTH OF METER (SEE GENERAL NOTE #6)	"G"	13"	17"	35 1/4"	45"	53"	68*		13"	17"	33"	33 1/4"	36 1/2"	53"			
EXPANSION COUPLING	"H"	6"	6"	15"	15"	15"	15"		6"	6"	15"	15"	15"	15"			
MIN. LENGTH OFF WALL (OUTLET)	"!"	. 6"	6"	9"	9"	3,	9"		6"	8"	9"	9"	9"	9"			
BY-PASS TEE	″J″	-		-		-			1 1/2"(4")	2"x2"(4")	3"x2"(11")	4"x3"(13")	6"x4"(16")	8"x8"(18"			
€ PIPE TO FLOOR	"K"	1'-8"	1'-8"	1'-8"	1'-8"	1'-8"	1'-8"		1'-8"	1'-8"	1'-8"	1'-8"	1'-8"	1'-8"			
€ PIPE TO SIDE WALL	"L"	16"	16"	2'-0"	2'-0"	2'-6"	3'-0"		2,-0,	2'-0"	3'-2"	3'-2"	3'-3"	3'-4"			
AVG. LAYING LENGTH OF PRESSURE REGULATOR	" M"	6 1/2"	7"	13"	18"	24 1/2"	2'-6"		6 1/2"	7"	12"	13"	18"	24 1/2			
EMETER TO FRONT WALL (HIGH PRESS.)	"N"	2'-6"	2'-6"	4'-0"	5'-0"	6'-0"	7'-0"		2'-6"	, 3'-0 "	5'-6"	6'-0"	7'-0"	8'-0"			
E METER TO FRONT WALL (LOW PRESS.)	"N ₁ "	2'-6"	2'-6"	3'-0"	3'-6"	4'-0"	5'-0"		2'-0"	2'-0"	4'-0"	4'-0"	4'-6"	5'-0"			
AVG. LAYING LENGTH OF VALVE	"Q"	4"	4"	9"	10 1/2"	11 1/2"	13"		4"	4"	9"	9"	10 1/2"	11 1/2			
AVG. LAYING LENGTH OF CHECK VALVE	"R"	6"	6"	13"	16 1/2"	19 1/2"	24 1/2"		6"	6"	10"	13"	16 1/2"	19 1/2			
€ PIPE TO € BY-PASS	"o"			-		-	-		9" MIN.	9" MIN.	2' MIN.	2' MIN.	2' MIN.	2' MIN.			

GENERAL NOTES FOR ALL INSTALLATIONS: 1. All meters and strainers to be supplied, maintained, owned and installed by PSW Co.

2. For all domestic and fire service lines 3" and larger, a minimum

of two Clow F-1608 adjustable pipe supports, or equal, shall be installed by owner. They shall be placed under the inlet & outlet flanges of the meter space, prior to the meter being set. Add't supports may be needed.

3. All meters must be set level in a horizontal plane. 4. On fire service lines 2" and smaller, and domestic service lines, when pressure may exceed 100 psi, a pressure regulator and an add'l valve on the inlet side of the PRV are reg'd. On fire service lines over 2", when pressure may exceed 150 psi, a pressure

regulator is req'd. By-pass around regulator not allowed. On domestic service lines, 1 1/2" and larger, a by-pass is required. P.S.W. Co. will determine the exceptions. Where domestic meter size is smaller than service size, the meter opening "G" dim. shall be the "G" dim. of the meter size plus the laying length of the reducers. Avg. laying length of reducers: 8° x6" (11"), 6° x4" (9"), 4° x3" (7"). 7. Expansion couplings are req'd for pit installations. On expansion cpig's 3" and larger, a Smith Bidir #912 adaptor w/fig'd tail pce. or a Ford flanged coupling adaptor style FFCA w/flanged tail pce. or equal, shall be used (tail piece must abut meter) On 2" and

smaller, a Ford Lock—Pac cpl'g, or equal, is req'd, except when using a "Special" Custom Setter or equal.

8. For 1 1/2" and 2" meters (low pressure), a 36" dia. pit made of Rigid PVC Pipe (Ribbed Const.) may be used, along with a Ford "Special" Custom Setter. See PSW Co. plan No. G—18119. 9. Butterfly valves are NOT permitted in meter arrangement. 10. Victaulic flanges and joints are NOT acceptable in the meter arrangement or in meter pits.

BUILDING INSTALLATION: Expansion coupling not reg'd, for meters set inside buildings. When the dom, meter is installed in the building, the by-pass line must be installed either on the wall side and parallel with

the meter, or above the meter.

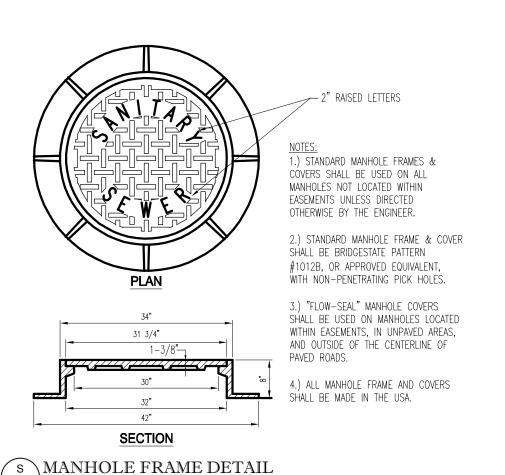
3. The meter location shall NOT be within a closet crawl space, garage, unheated area or any enclosure not approved by PSW CO.

4. In buildings, concrete blocking under bends are to be poured AFTER meter is set.
5. The distance between the domestic and fire lines (when laid parallel) shall be twice the "L" dimension of the fire line.

BACKFLOW PREVENTERS: 1. If a backflow prevention device is required, as indicated on the water service application form, and/or service approval letter, please contact PSW Co. Cross-Connection Dept. for type device, location and installation information. all service lines, if a backflow prevention device is required otecting the entire service line) then the check valve by the

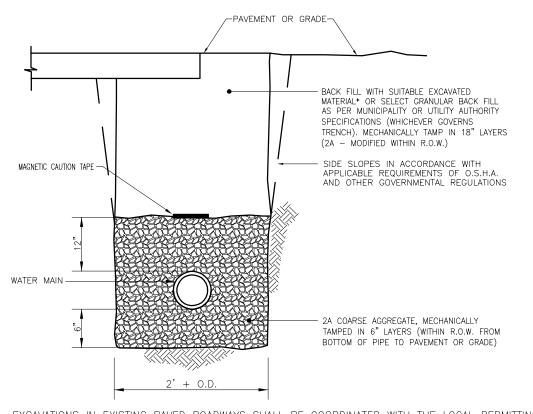
3. Backflow preventers are to be installed downstream of the meter and before any outlet or branch connections. NOTE: IF BUILDER SELECTS TO USE A DUAL-SERVICE PIT, THEN DIM. "A" OR "A1" OF THE DUAL-SERVICE PIT SHOULD BE THE LARGER OF THE SINGLE-SERVICE

	PIT	"A" OR	"A1" DIN	A. FOR F	TRE AND	DOMEST	C LINE.							
DUAL-SERVICE PIT - "B ₁ " DIM. (MINIMU)														
	SIZE	FIRE												
	SERV.	1 1/2"	2"	4"	6"	.8*	10"							
D	1 1/2"	6'-0"	60,	7'-0"	7'-0"	8'-0"	8'-0"							
О М Е S	2"	6'-0"	6'-0"	7'-0"	7'-0"	8'-0"	8'0"							
	3"	7'-0"	7'-0"	8'-0"	8'-0"	9'-0"	10'-0"							
S	4"	7'-0"	7'-0"	8'-0"	8'-0"	9'-0"	10'-0"							
i	6"	8'0"	8'-0"	8'-0"	8,-0,	10'-0"	10'-0"							
С	8"	80,	8'-0"	9'-0"	9'-0"	10'-0"	10'-0"							



REV.: 2015.03.09

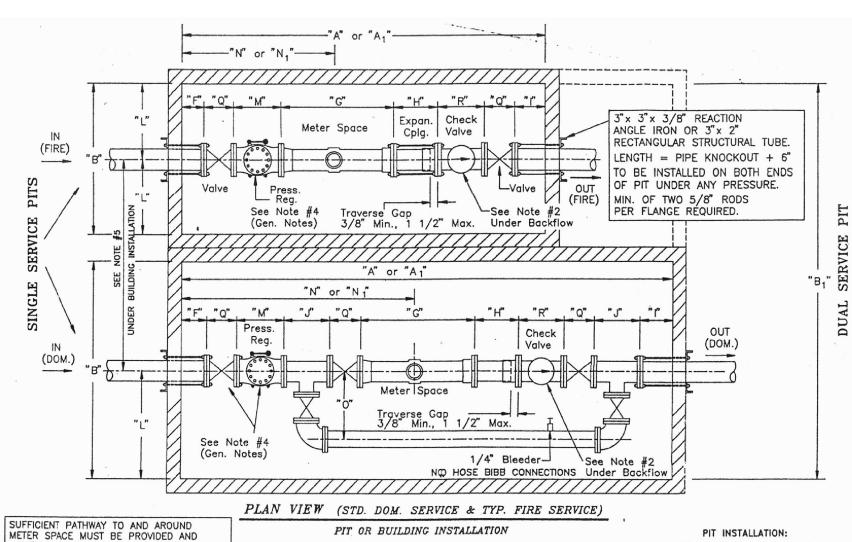
S6 SCALE: N.T.S.



EXCAVATIONS IN EXISTING PAVED ROADWAYS SHALL BE COORDINATED WITH THE LOCAL PERMITTING AGENCY, AND ALL EXCAVATION SHALL BE PAVED WITH TEMPORARY BITUMINOUS PAVEMENT FROM THE DATE OF ORIGINAL EXCAVATION UNTIL PERMANENT PAVEMENT IS INSTALLED. (MINIMUM = 90 DAYS,

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W TRENCH BEDDING CLASSIFICATION (WATER MAIN) S4 SCALE: N.T.S. REV.: 2015.03.09



MAINTAINED, AT ALL TIMES, FOR INSTALLATION AND MAINTENANCE OF METER.											ils and r . Plan C-	otes, refe -5558.	er to 2
		SI	NGLE -	SERVI	CE PIT	DIMENS	SIONS (MUMININ)					
					FIRE				0	OMESTIC	(STANDARE)	
DESCRIPTION	CODE	1 1/2"	2"	4"	6"	8"	10"	1 1/2	2"	3"	4"	6"	8"
LENGTH (HIGH PRESSURE)	"A"	*-6'0"	* 6'-0"	9'-2"	11'-1"	12'-0"	15'-1"	6'-0"	7'-4"	11'-5"	12'-0"	13'-1"	16'-9"
LENGTH (LOW PRESSURE)	"A ₁ "	*6'-0"	* 6'-0"	8'-0"	9'-7"	10'-0"	12'-7"	* 6'-0'	* 6'-0"	9'-8"	10'-0"	10'-0"	13'-0"
WIDTH	"B"	4'-0"	4'-0"	4'-0"	4'0"	5'-0"	6'-0"	4'-0"	4'-0"	5'-2"	5'-2"	5'-4"	5'-7"
ACCESS DOOR	"C"	3' x 3'	4' x 4'	3' x 3	' 3' × 3'	3' x 3'	3' x 3'	3' x 3'	3' x 3'				
MAX. LENGTH OFF WALL (INLET)	"F"	6"	6"	9"	9"	9"	9"	6"	6"	9"	9"	9"	9"
LAYING LENGTH OF METER (SEE GENERAL NOTE #6)	" G"	13"	17"	35 1/4"	45"	53"	68"	13"	17"	33"	33 1/4"	36 1/2"	53"
EXPANSION COUPLING	"H"	6"	6"	15"	15"	15"	15"	6"	6"	15"	15"	15"	15"
MIN. LENGTH OFF WALL (OUTLET)	"!"	. 6"	6"	9"	9"	9"	9"	6"	8"	9"	9"	9"	9"
BY-PASS TEE	, "J"	-		-				1 1/2"(4) 2"x2"(4")	3"x2"(11")	4"x3"(13")	6"x4"(16")	8"x8"(18")
€ PIPE TO FLOOR	"K"	1'-8"	1'-8"	1'-8"	1'-8"	1'-8"	1'-8"	1'-8'	1'-8"	1'-8"	1'-8"	1'-8"	1'-8"
€ PIPE TO SIDE WALL	"L"	16"	16"	2'-0"	2'-0"	2'-6"	3'-0"	2'-0"	2'-0"	3'-2"	3'-2"	3'-3"	3'-4"
AVG. LAYING LENGTH OF PRESSURE REGULATOR	" M"	6 1/2"	7"	13"	18"	24 1/2"	2'-6"	6 1/2	2" 7"	12"	13"	18"	24 1/2"
EMETER TO FRONT WALL (HIGH PRESS.)	"N"	2'-6"	2'-6"	4'-0"	5'-0"	6'-0"	7'-0"	2'-6"	, 3'-0"	5'-6"	6'-0"	7'-0"	8'-0"
& METER TO FRONT WALL (LOW PRESS.)	"N ₁ "	2'-6"	2'-6"	3'-0"	3'-6"	4'-0"	5'-0"	2'-0"	2'-0"	4'-0"	4'-0"	4'-6"	5'-0"
AVG. LAYING LENGTH OF VALVE	"Q"	4"	4"	9"	10 1/2"	11 1/2"	13"	4"	4"	9"	9"	10 1/2"	11 1/2"
AVG. LAYING LENGTH OF CHECK VALVE	"R"	6"	6"	13"	16 1/2"	19 1/2"	24 1/2"	6"	6"	10"	13"	1.6 1/2"	19 1/2"
€ PIPE TO € BY-PASS	"o"			-				9" MIN	9" MIN.	2' MIN.	2' MIN.	2' MIN.	2' MIN.

* SEE NOTE #8 UNDER GENERAL NOTES

REV DATE COMMENT 08/31/2018 PER DOT COMMENTS **CALL BEFORE YOU DIG!** 3 WORKING DAYS NOTICE FOR CONSTRUCTION PHASE AND 10 WORKING DAYS IN DESIGN STAGE - STOP CALL POCS SERIAL NUMBER 1-800-242-1776 NOT APPROVED FOR CONSTRUCTION DRAWN BY: MCM CHECKED BY: EAB 2018.07.13 SCALE: AS NOTED CAD I.D.: PC181016 DETAILS-1

REVISIONS

WAYNE PROPERTY ACQUISITION INC.

PRELIMINARY

LAND DEVELOPMENT

PLANS

ROUTE 30 (LANCASTER AVE) & ABERDEEN AVE **RADNOR TOWNSHIP** DELAWARE COUNTY, PA



1600 MANOR DRIVE, SUITE 200 **CHALFONT, PENNSYLVANIA 18914** Phone: (215) 996-9100 Fax: (215) 996-9102



SHEET TITLE:

DETAILS

SHEET NUMBER:

REVISION 1 - 2018.08.31

OF 19