

SECTION VII

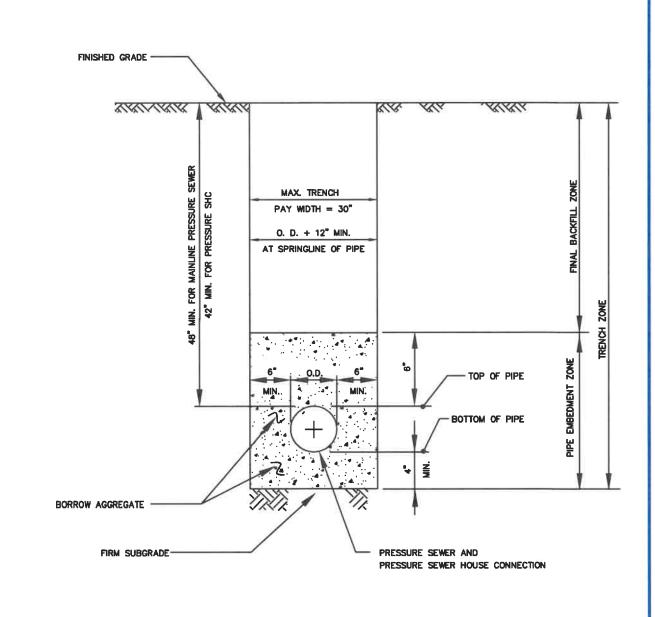
Pressure Sewer Details

SECTION VII-PRESSURE SEWER DETAILS

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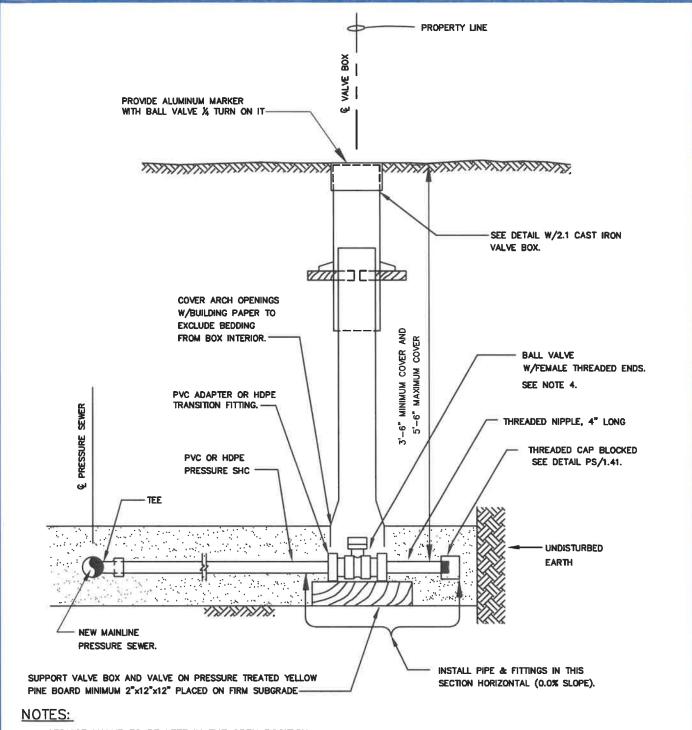




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Harmen Chief Engineer STANDARD DETAIL

TRENCH DETAIL - FLEXIBLE PIPE PVC AND HDPE PRESSURE SEWER



- 1. SERVICE VALVE TO BE LEFT IN THE OPEN POSITION.
- 2. UNLESS OTHERWISE NOTED ALL 1 1/4" DIAMETER PVC PIPE SHALL HAVE SOLVENT CEMENT JOINTS AND HDPE WILL HAVE BUTT FUSED JOINTS.
- 3. FITTINGS SHALL BE BLOCKED OR ANCHORED IN ACCORDANCE WITH DETAILS PS/1.4, 1.41 & 1.42.
- 4. BALL VALVE SHALL HAVE A 2" BY .5" OPERATING NUT FOR USE WITH A CURB KEY.

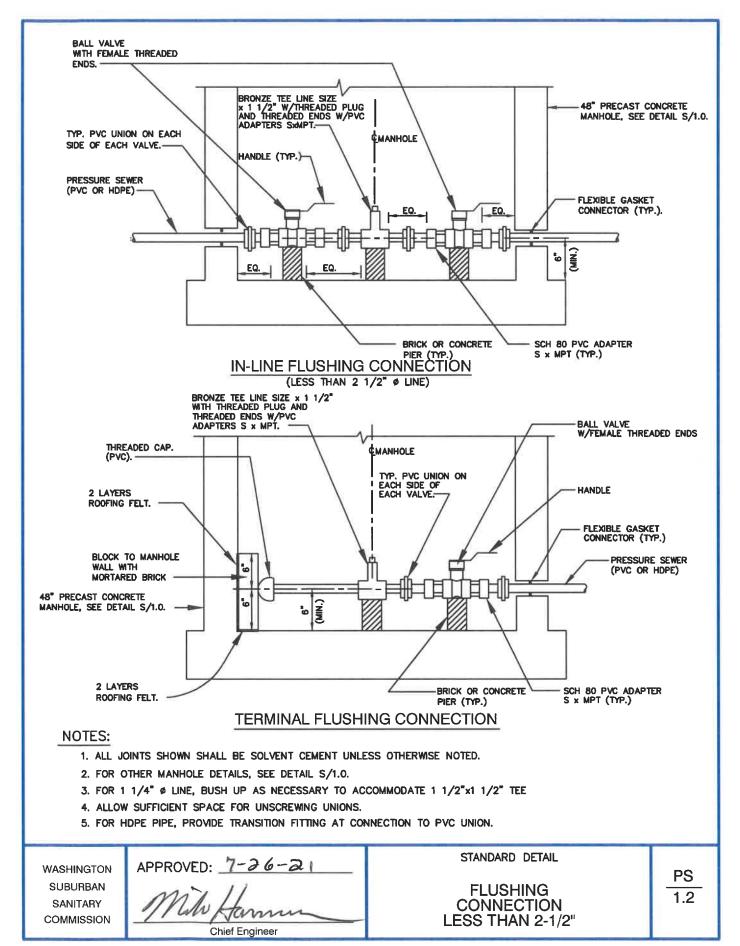
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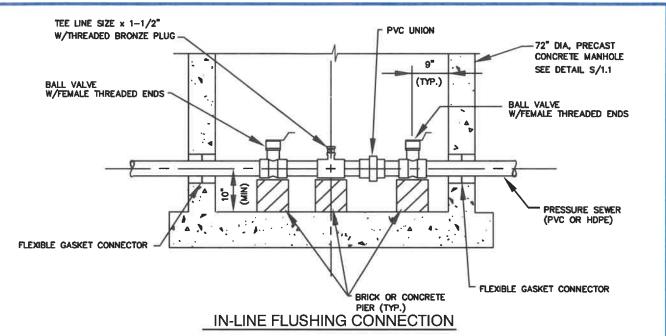
Mills Harrison

Chief Engineer

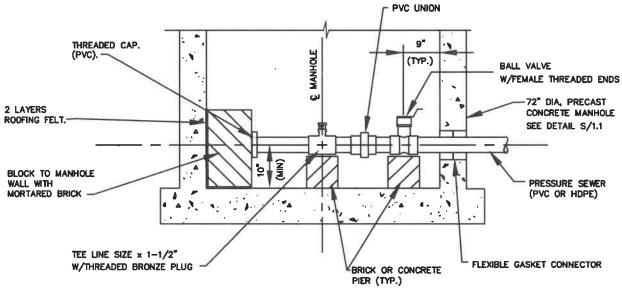
STANDARD DETAIL

PRESSURE SHC WITH SERVICE VALVE ASSEMBLY





(2 1/2" THROUGH 4")



TERMINAL FLUSHING CONNECTION

(2 1/2" THROUGH 4")

NOTES:

- 1. ALL JOINTS SHOWN SHALL BE SOLVENT CEMENT UNLESS OTHERWISE NOTED.
- 2. FOR OTHER MANHOLE DETAILS, SEE DETAIL S/1.2.
- 3. ALLOW SUFFICIENT SPACE FOR UNSCREWING UNION.
- 4. FOR HDPE PIPE, PROVIDE TRANSITION FITTING AT CONNECTION TO BALL VALVE.

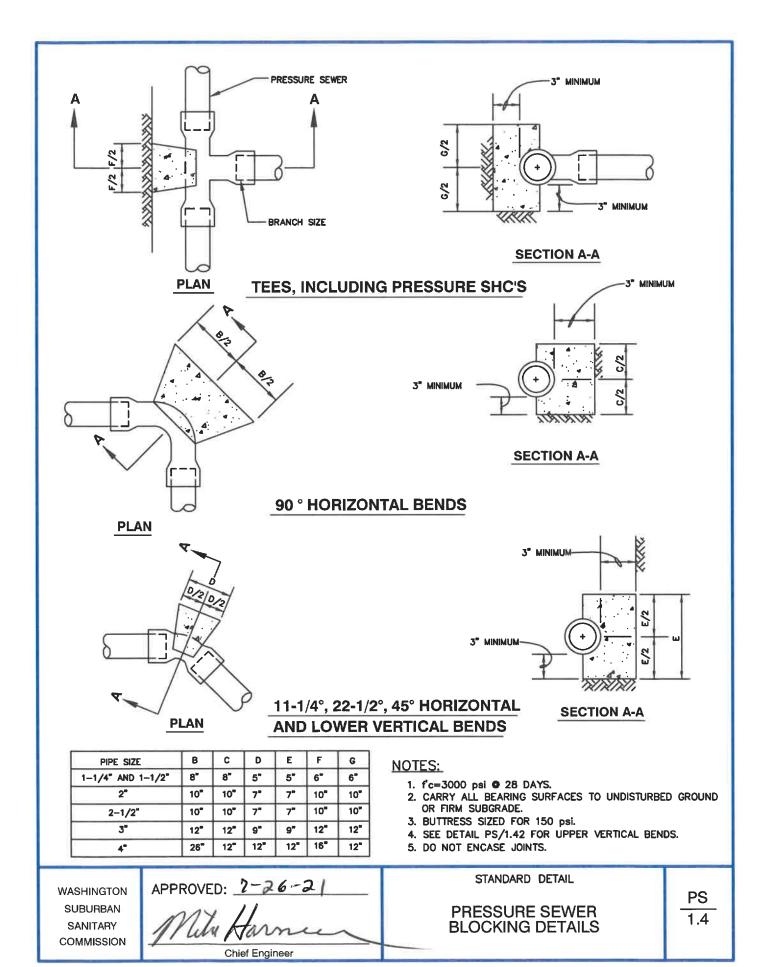
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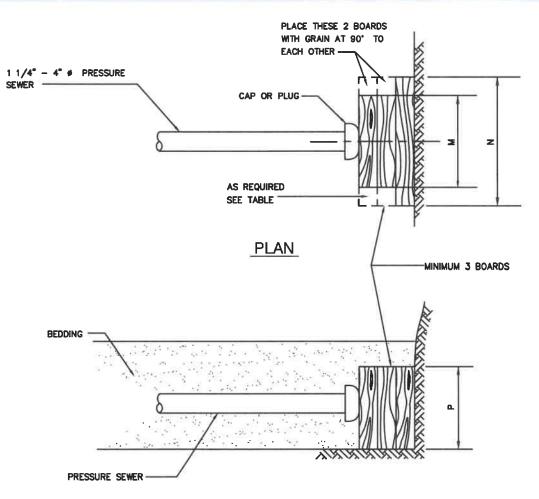
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STANDARD DETAIL

PS

FLUSHING
CONNECTION
2-1/2" THROUGH 4"





ELEVATION

PIPE SIZE	М	N	Р	
1 1/4"	6*	6"	8"	
1 1/2"	6*	6*	8"	
2"	6"	8*	8"	
2 1/2"	8"	8"	10"	
3"	12"	18"	12"	
4"	12"	18"	12"	

NOTES:

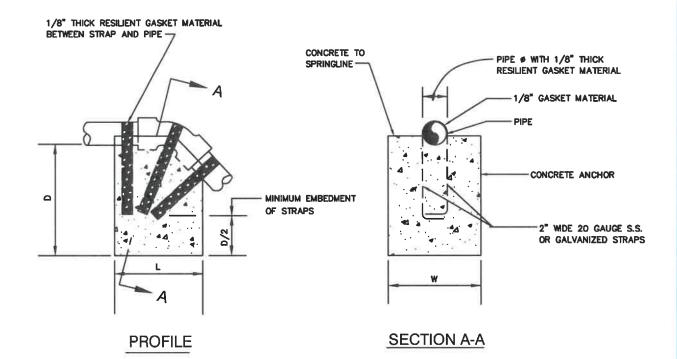
- CARRY ALL BEARING SURFACES TO UNDISTURBED EARTH OR FIRM SUBGRADE.
- 2. BUTTRESS SIZED FOR 150 psi.
- 3. NOMINAL THICKNESS OF ALL BOARDS IS 2".
- 4. ALL BOARDS TO BE PRESSURE TREATED YELLOW PINE.

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Mil Harry

Chief Engineer

STANDARD DETAIL
PRESSURE SEWER AND
HOUSE CONNECTION
BLOCKING DETAILS
FOR CAPS AND PLUGS



BEND		SIZE IN INCHES			
		1-1/4,1-1/2	2, 2-1/2	3	4
11 1/4 °	L	12	15	18	18
	W	10	12	15	18
	D	10	15	15	18
22 1/2°	L	15	20	20	24
	w	15	20	20	24
	D	12	12	18	20
45 °	L	20	24	24	30
	W	20	20	24	30
	D	12	20	24	26

- 1. COAT EXPOSED GALVANIZED STRAPS WITH FIELD APPLIED COATING, SEE SPECIFICATIONS.
- 2. f'c=3000 psi 28 DAYS.
- 3. CARRY ALL BEARING SURFACE TO UNDISTURBED EARTH OR FIRM SUBGRADE.
- 4. CONCRETE ANCHORAGE DIMENSIONS ARE BASED ON TOTAL PRESSURE OF 150 psi.

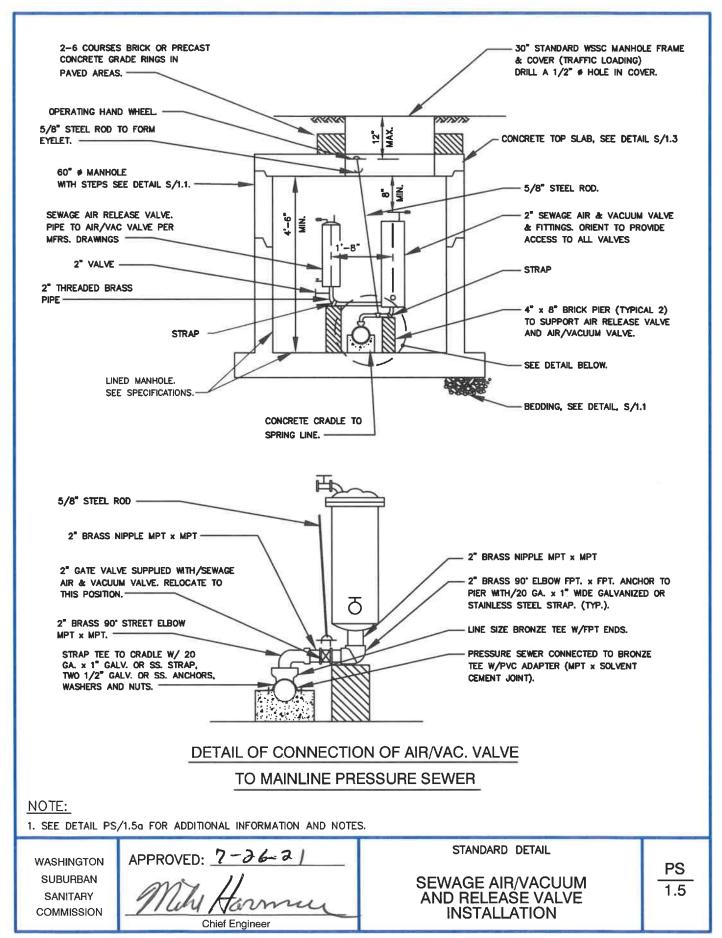
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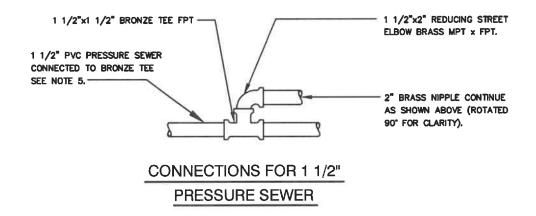
Mill Harme

Chief Engineer

STANDARD DETAIL

ANCHORING PRESSURE SEWERS (UPPER VERTICAL BENDS)





- 1. COAT EXPOSED GALVANIZED STRAPS WITH FIELD APPLIED COATING, SEE SPECIFICATIONS.
- 2. INSTALL COMPLETE SET OF MANUFACTURER-FURNISHED BACKWASH ACCESSORIES ON EACH VALVE, SEE SPECIFICATIONS.
- 3. FOR DETAILS OF PIPE PENETRATION THROUGH MANHOLE WALL, SEE DETAILS PS/1.2 AND PS/1.3.
- 4. FOR 1 1/2" PRESSURE SEWER, SEE CONNECTION DETAIL THIS SHEET.
- 5. FOR PVC PRESSURE SEWER CONNECT TO BRONZE TEE WITH PVC ADAPTER x SOLVENT CEMENT JOINT. FOR 1 1/2" USE SCHED 80 PVC ADAPTER. FOR HDPE PRESSURE SEWER CONNECT TO BRASS TEE WITH TRANSITION FITTING.

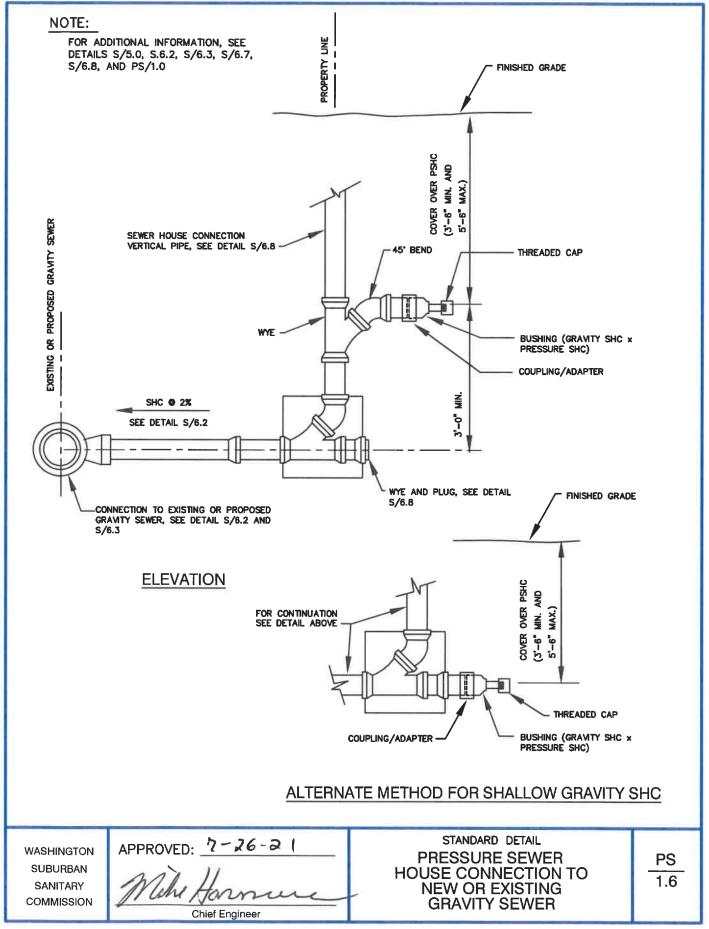
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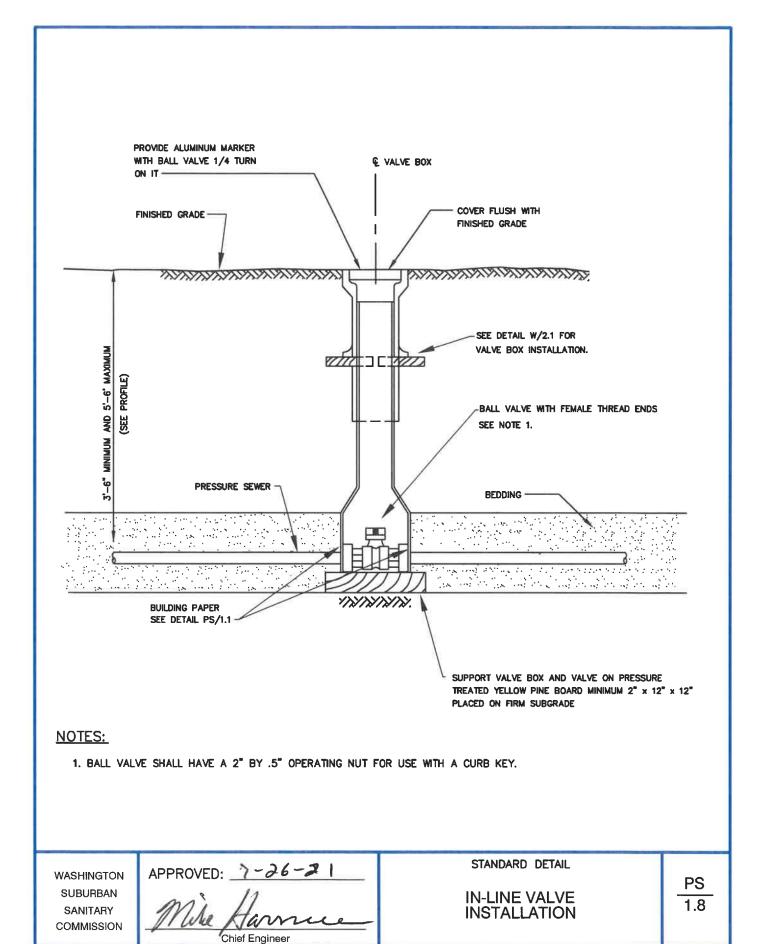
Mile Harrier

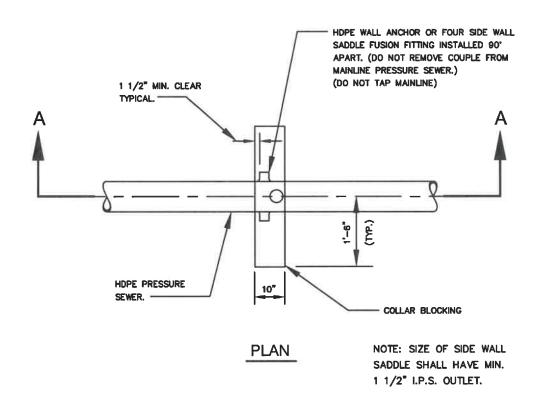
Chief Engineer

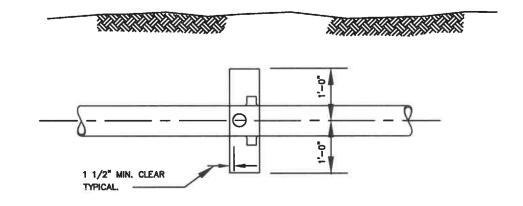
STANDARD DETAIL

SEWAGE AIR/VACUUM AND RELEASE VALVE INSTALLATION PS 1.5a









1. f 'c = 3000 PSI @ 28 DAYS.

SECTION A-A

2. CARRY ALL BEARING SURFACE

TO UNDISTURBED GROUND OR

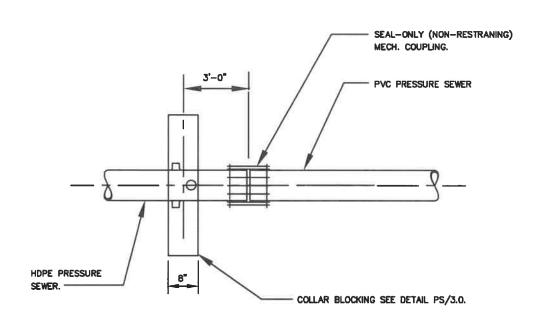
FIRM SUBGRADE.

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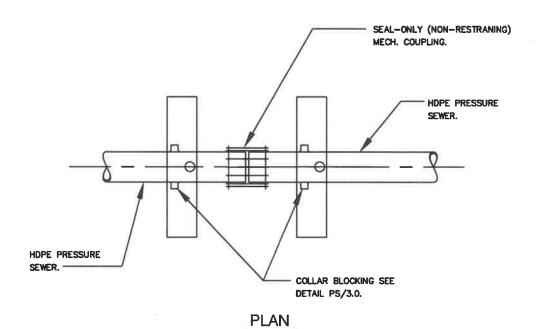
Chief Engineer

STANDARD DETAIL
PRESSURE SEWER
BLOCKING DETAIL FOR
H.D.P.E. PIPE.

PS 3.0



PLAN HDPE x PVC CONNECTION



HDPE x HDPE CONNECTION

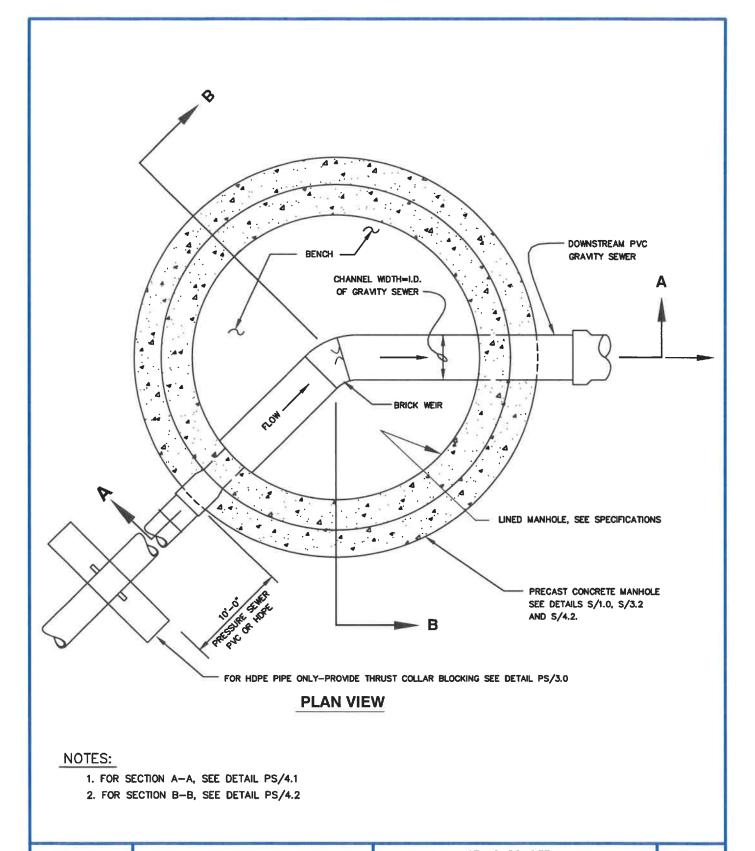
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STANDARD DETAIL **RESTRAINING SEAL ONLY MECHANICAL** COUPLINGS

PS 3.1



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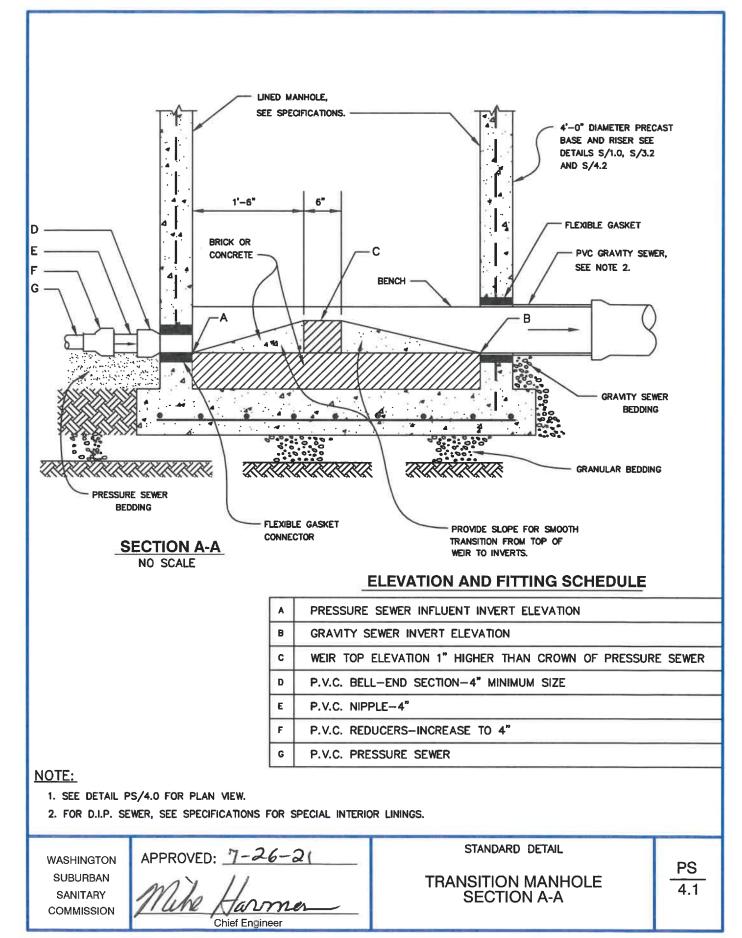
Mills Harmer

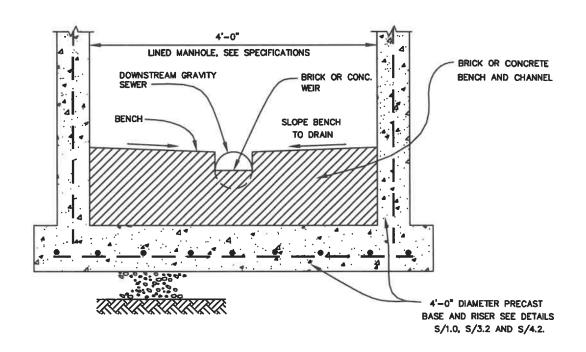
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STANDARD DETAIL

TRANSITION MANHOLE

PS 4.0





SECTION B-B NO SCALE

NOTE:

1. SEE DETAIL PS/4.0 FOR PLAN VIEW

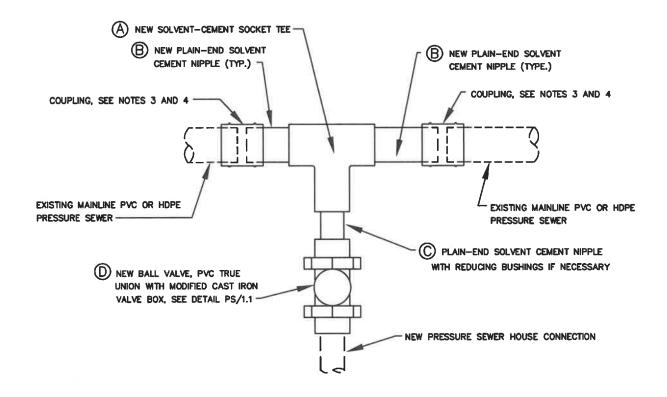
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TRANSITION MANHOLE SECTION B-B

STANDARD DETAIL

PS 4.2



- 1. FOR PIPE SIZES, SEE DRAWINGS.
- 2. SOLVENT CEMENT PARTS A, B, C AND D TOGETHER PRIOR TO CUTTING EXISTING MAINLINE PRESSURE SEWER.
- 3. CONNECTION TO EXISTING PVC, O-RING GASKET DOUBLE BELL PVC COUPLING.
- 4. CONNECTION TO EXISTING HDPE, SEAL AND RESTRAINT TYPE MECHANICAL COUPLING, SEE SPECIFICATIONS.

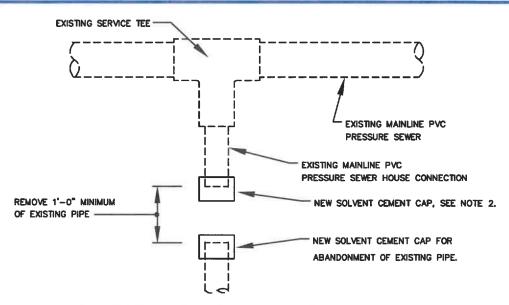
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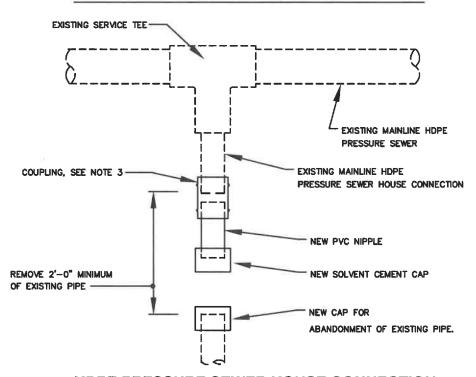
Chief Engineer

STANDARD DETAIL
CONNECTION OF NEW
MAINLINE PRESSURE SEWER OR
PSHC TO EXISTING
PRESSURE SEWER

PS 5.0



PVC PRESSURE SEWER HOUSE CONNECTION



HDPE PRESSURE SEWER HOUSE CONNECTION

NOTES:

- 1. FOR PIPE SIZES, SEE DRAWINGS.
- 2. IF EXISTING SERVICE TEE HAS GASKET TYPE JOINTS, PROVIDE BLOCKING FOR CAP, SEE DETAIL 1.41.
- 3. COUPLING FOR EXISTING HDPE, SEAL AND RESTRAINT TYPE MECHANICAL COUPLING, SEE SPECIFICATIONS.

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Chief Engineer

STANDARD DETAIL

ABANDONMENT OF EXISTING PRESSURE SEWER HOUSE CONNECTION

PS 6.0

