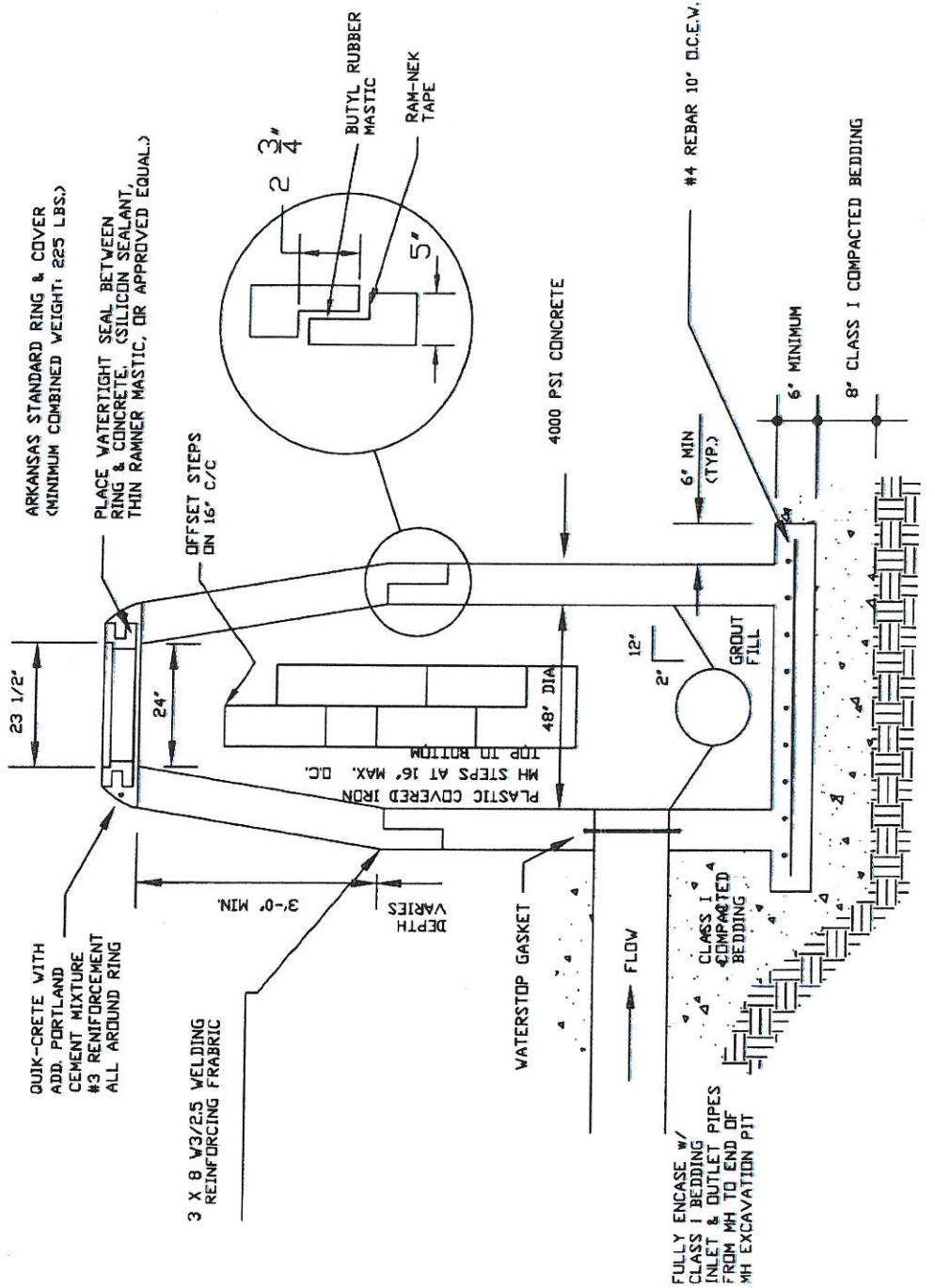


PINE BLUFF WASTEWATER UTILITY

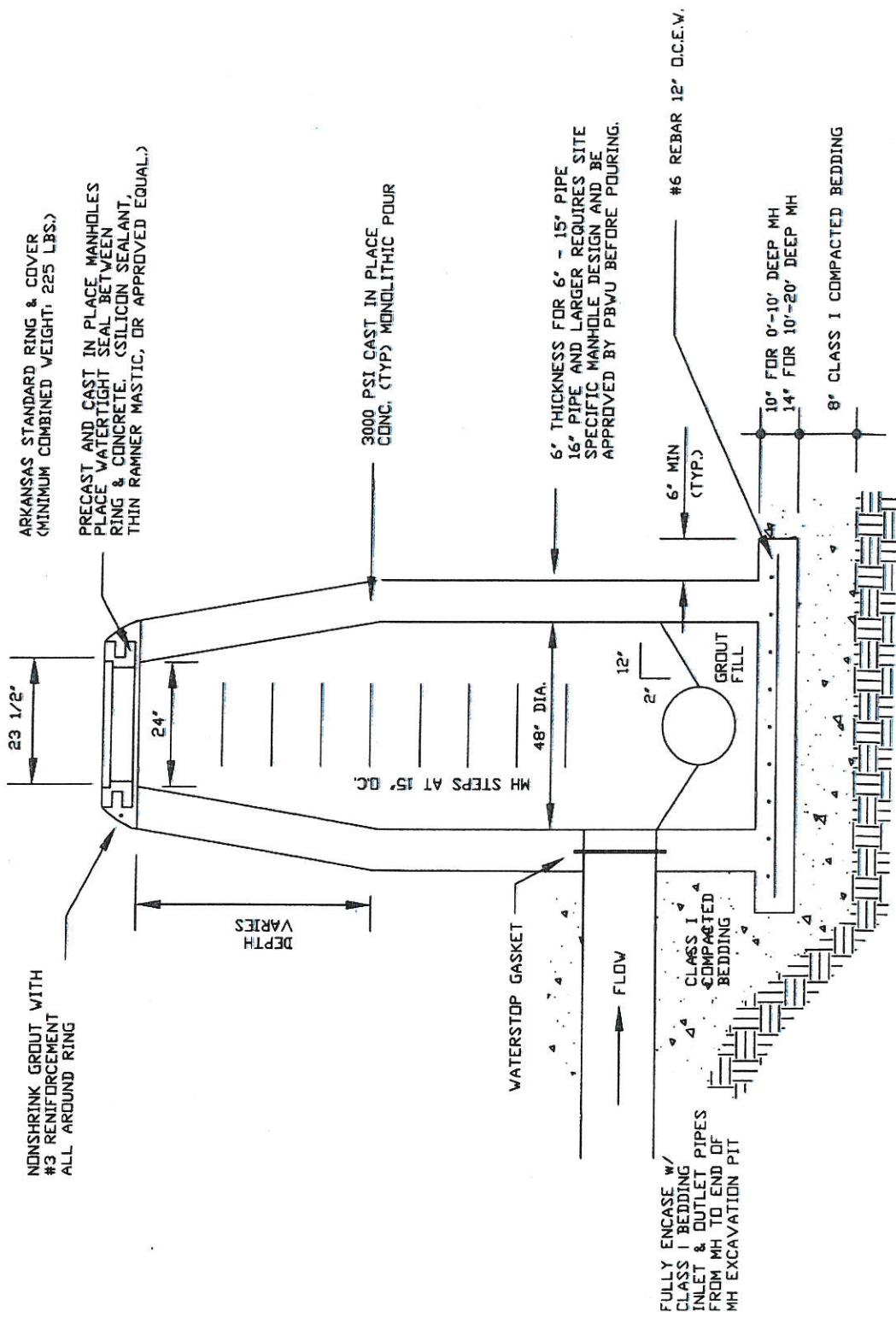
PRECAST MANHOLE SPECIFICATIONS

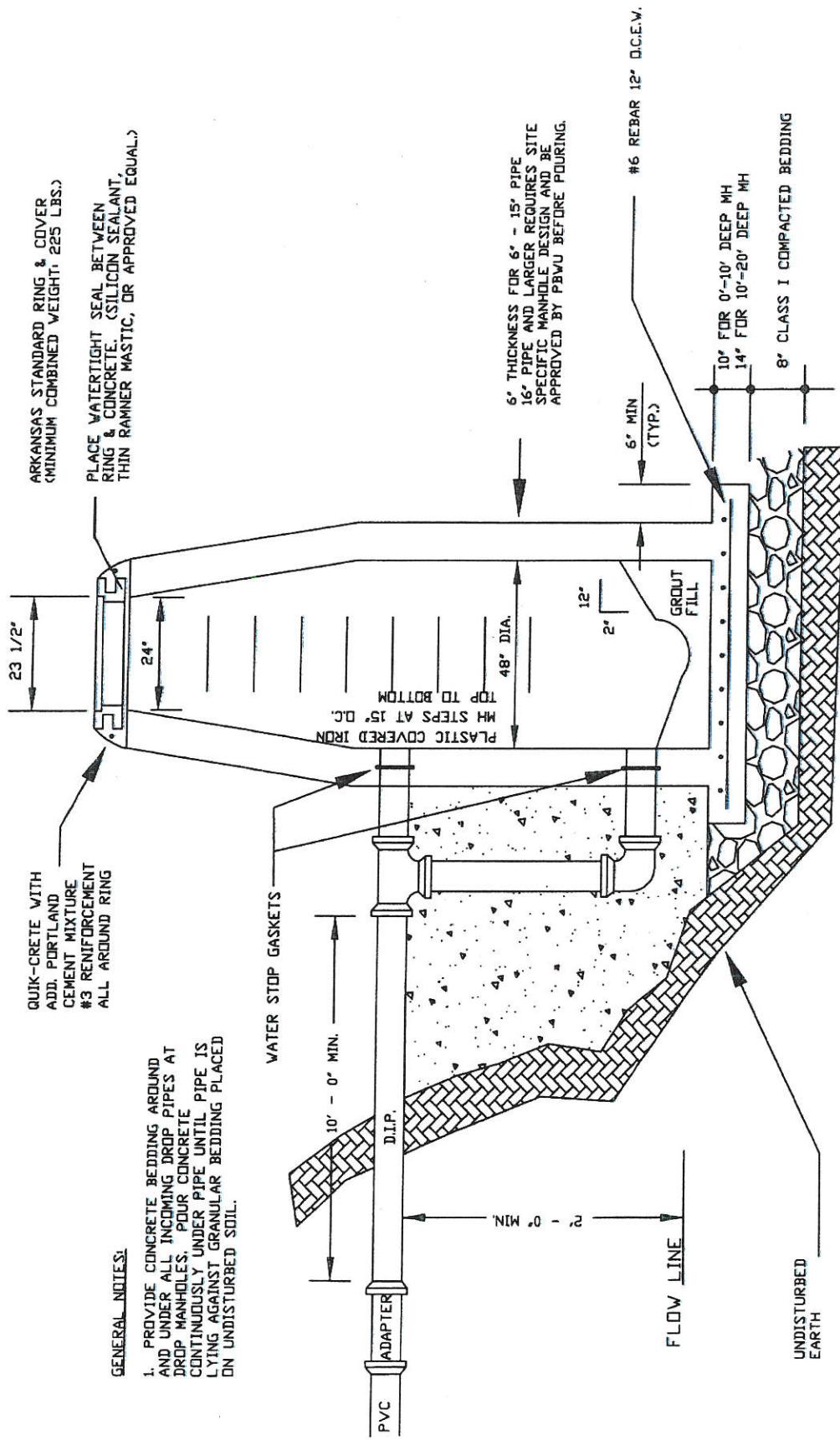
1. The precast reinforced concrete manhole shall be reinforced concrete manhole sections that will interchange with the sections manufactured by Peterson Concrete. The manhole sections shall be as made from crushed granite coarse aggregates and natural silica fine sand aggregates. The concrete when tested in compression shall not be less than 4000 PSI and absorption shall not exceed 9%. Minimum wall thickness of the manhole riser shall be as follows: 48" I.D. - 5" and 60" I.D. - 6". The 48" I.D. manhole riser shall be manufactured in 1.0', 2.0', 3.0', and 4.0' sections. The 60" I.D. manhole riser shall be manufactured in 2.0', 3.0', 4.0', and 5.0' sections. The 48" I.D. cone shall be manufactured in 1.5', 2.0', 2.3', 2.5', 2.7', and 3.0'. The 24" I.D. adjustment rings shall be manufactured in 2", 4" and 6" heights. If specified, the cast iron ring and cover shall be cast onto the cone section. The 48" I.D. and 60" I.D. flat top sections shall be manufactured in 8.0" up to 2.0" heights with block-out or cast-in ring/cover or hatch cover. All base sections 48" I.D. and 60" I.D. shall be manufactured with the bottom cast monolithically. The minimum thickness of the bottom shall be 6" for 48" I.D. and 8" for 60" I.D. The bottom thickness shall be increased when specified. The 48" base section shall have the 6" extended bottom. The 60" I.D. shall have the 6" extended bottom only when specified. The 48" I.D. base sections shall be manufactured in 24", 30", 36", and 48" heights. The 60" base sections shall be manufactured in 36", 48", and 60" heights.
2. Two lift holes, or lift holes with threaded inserts, shall be cast into each cone or riser section for the purpose of handling and laying. Approximate weight per foot - 48" I.D. = 1,011 lbs, 60" I.D. = 1,477 lbs.
3. Suitable openings for the inlet and outlet pipe shall be cored into the base sections (riser sections for drop manholes). These openings shall be true size, circular and located as required for each manhole. Kor-N-Seal, or equal, flexible pipe-to-manhole connector shall be installed in each opening to assure a flexible watertight seal of the pipe to the manhole.
4. Inverts shall be cast into the base section of the manhole as required.
5. The manhole steps shall be the Bowco Industries, Inc. #93810-R, or equal, reinforced plastic orange safety step.
6. The joints between the manhole sections shall be the Hamilton Kent Tylox Superscal, or equal, pre-lubricated gasket seal, made of top quality rubber and shall meet the requirements of the ASTM C-433 and C-361 specifications. There shall be a suitable spigot cast into the tongue of each component to contain the seal. The seal shall consist of a supporting compression section and a thin sliding flap which has been pre-lubricated. When the sections are fitted together, the edge of the bell encounters the flap which then slides towards the compression section.
7. Optional - Coatings shall be applied on the interior and exterior as required.
8. Optional - Cast iron ring and cover shall be cast on cone as required.
9. Manholes shall comply with ASTM C-478 latest revision.



DETAIL - STANDARD 4' PRE-CAST MANHOLE

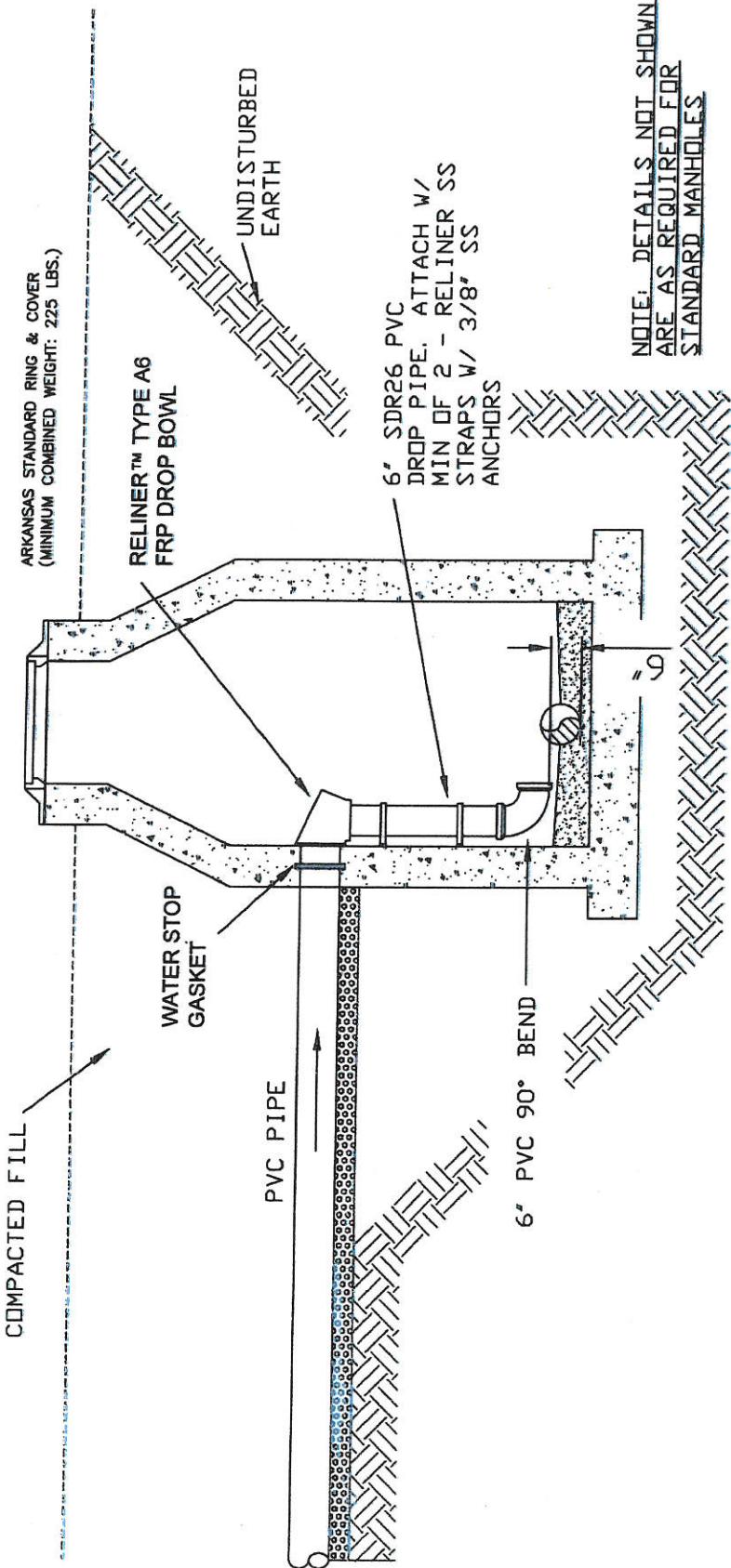
DETAIL - CAST IN-PLACE MANHOLE





DETAIL - OUTSIDE DROP MANHOLE

N.T.S

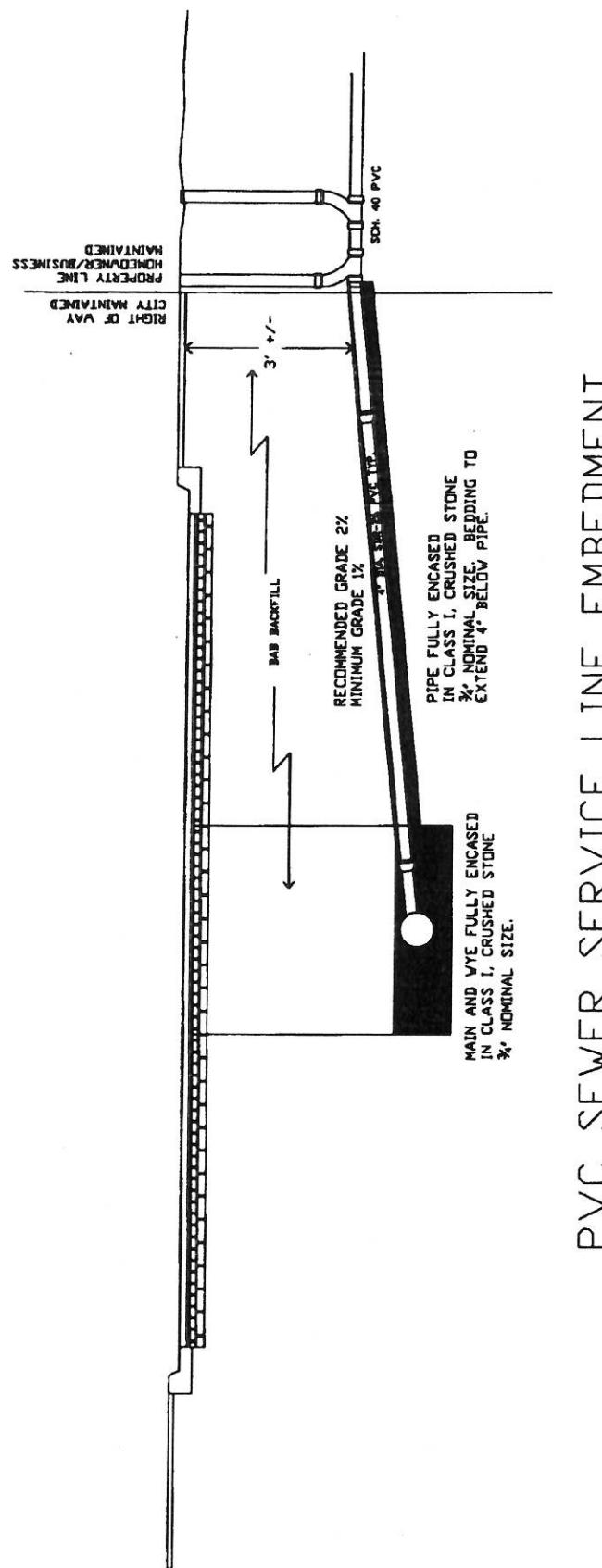


PBWU

FEB, 2018

USE WHERE VERTICAL DIFFERENCE IN INTERSECTING SEWERS IS
2.0 FEET OR GREATER

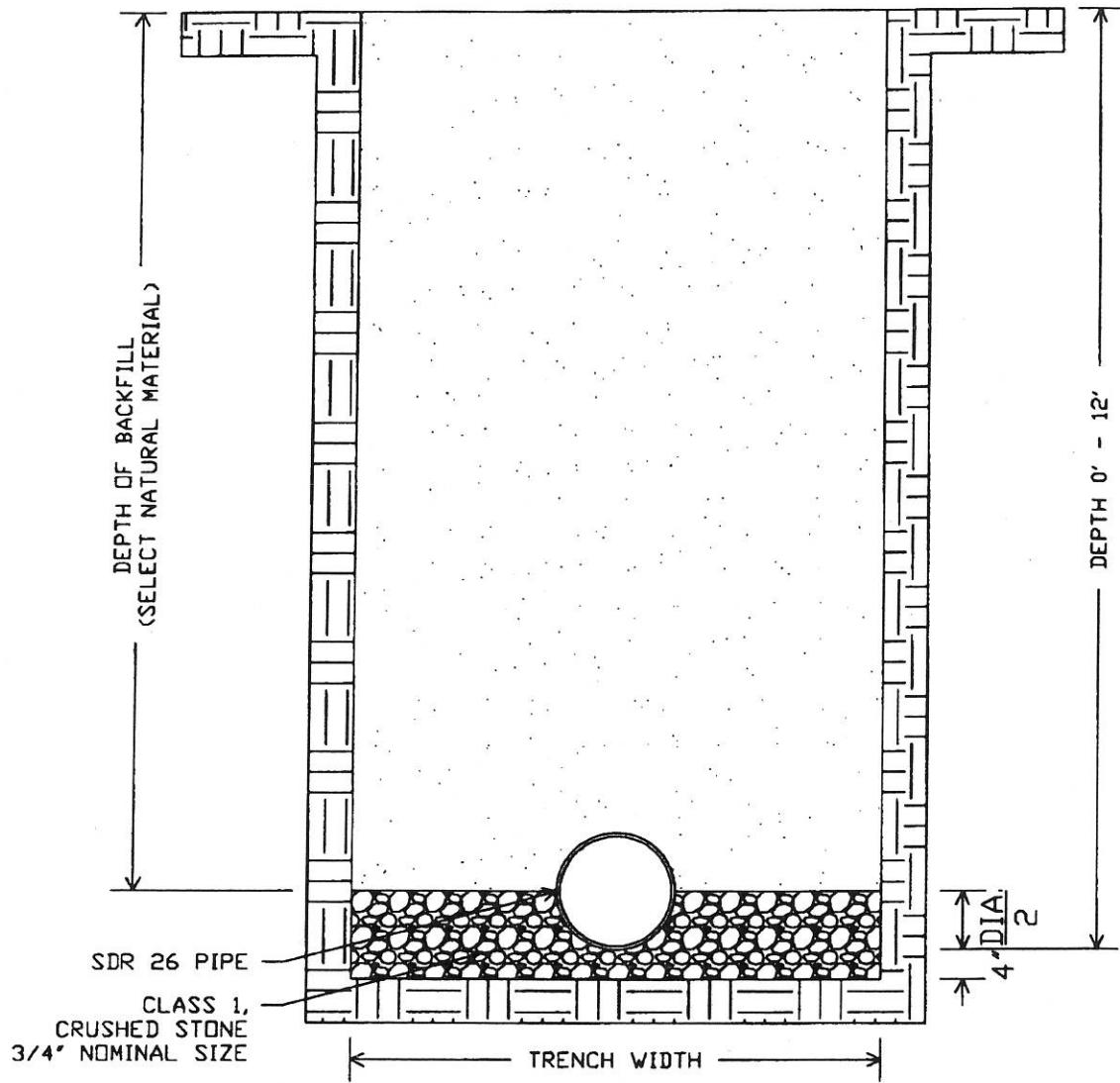
DETAIL - DROP MANHOLE
NOT TO SCALE



PVC SEWER SERVICE LINE EMBEDMENT

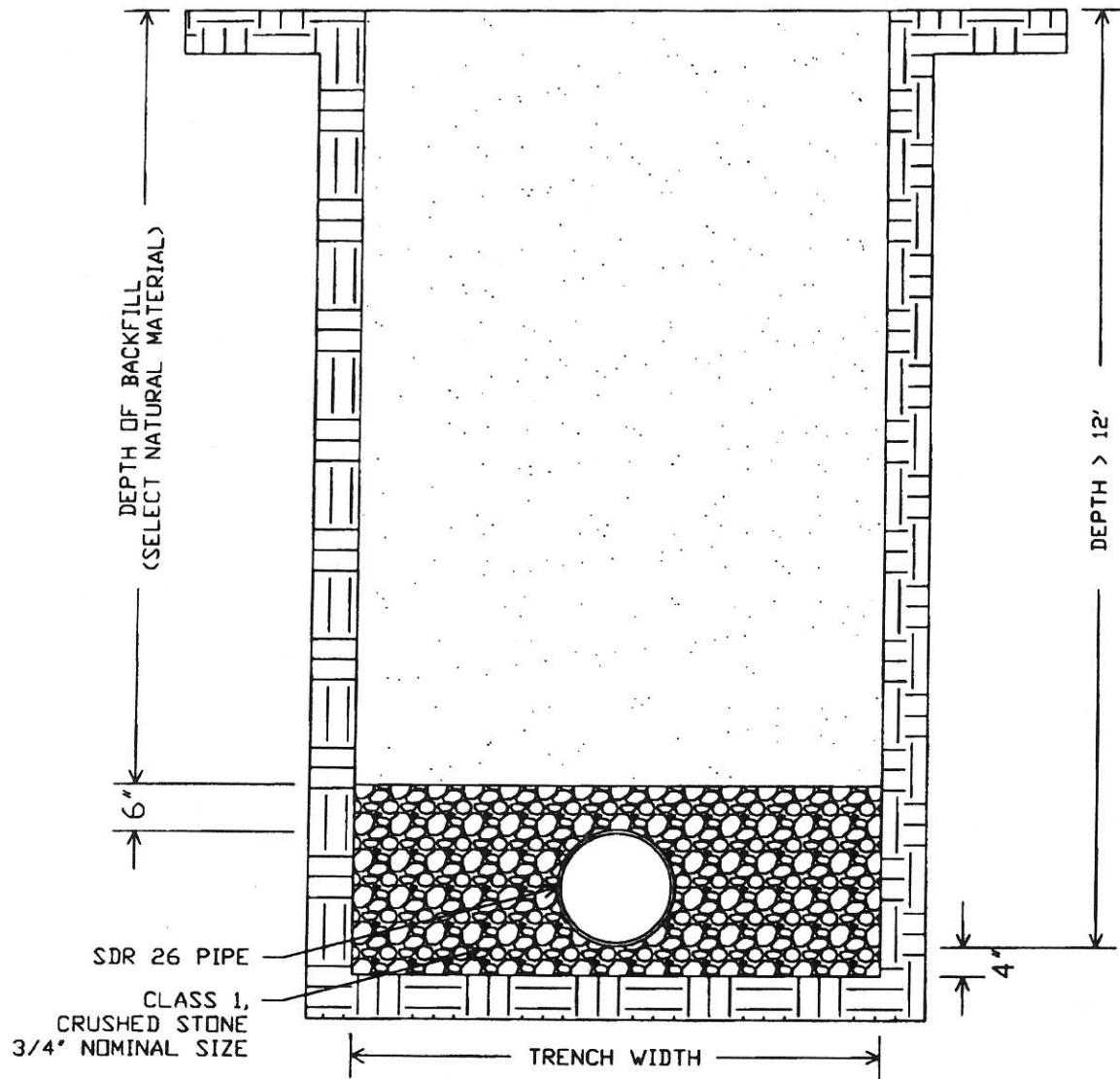
NTS

PINE BLUFF WASTEWATER UTILITY
JANUARY, 2006



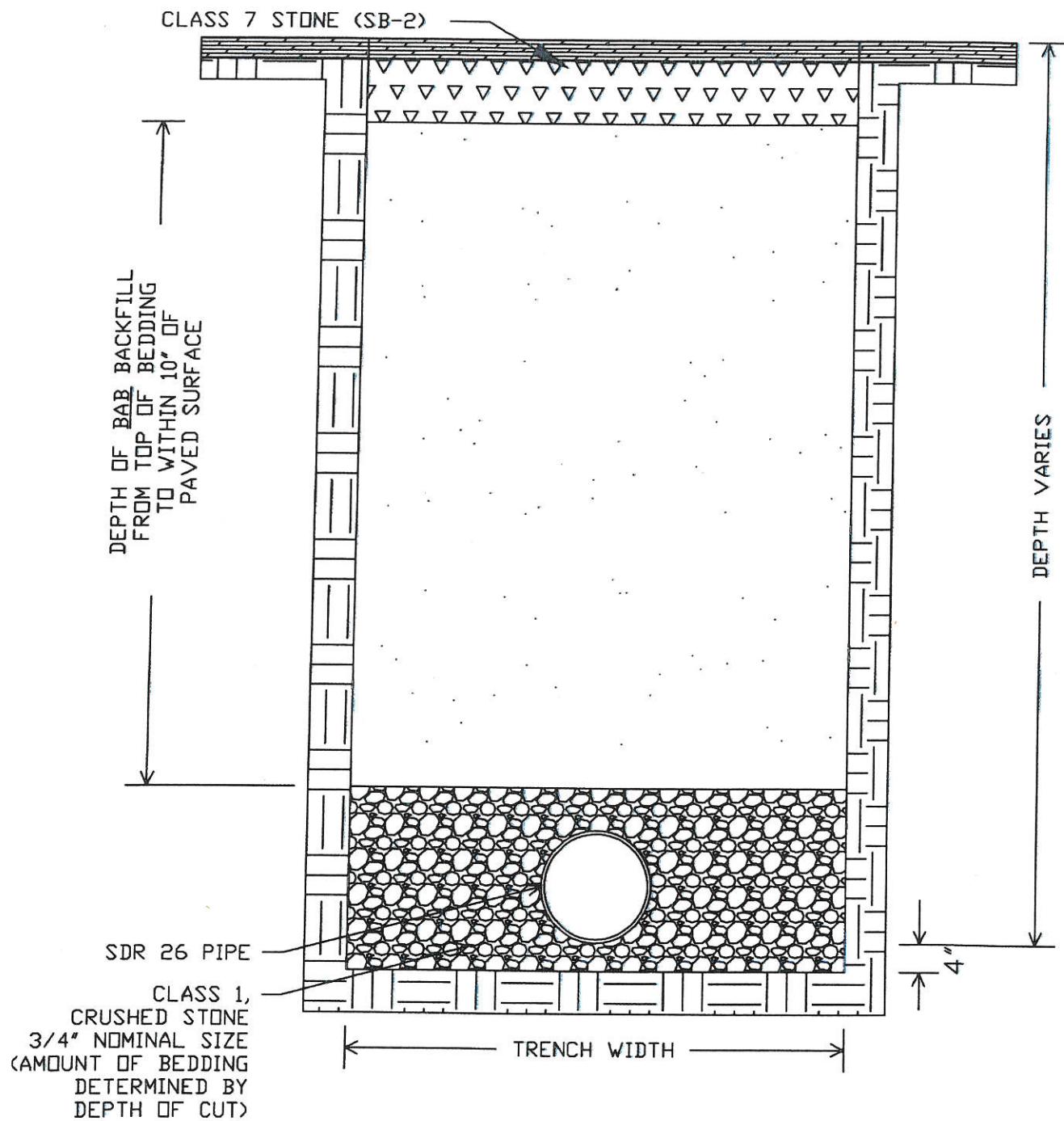
FIRST CLASS EMBEDMENT
DEPTH 0' - 12'

NOT TO SCALE



DEEP PIPE EMBEDMENT DEPTH GREATER THAN 12'

NOT TO SCALE

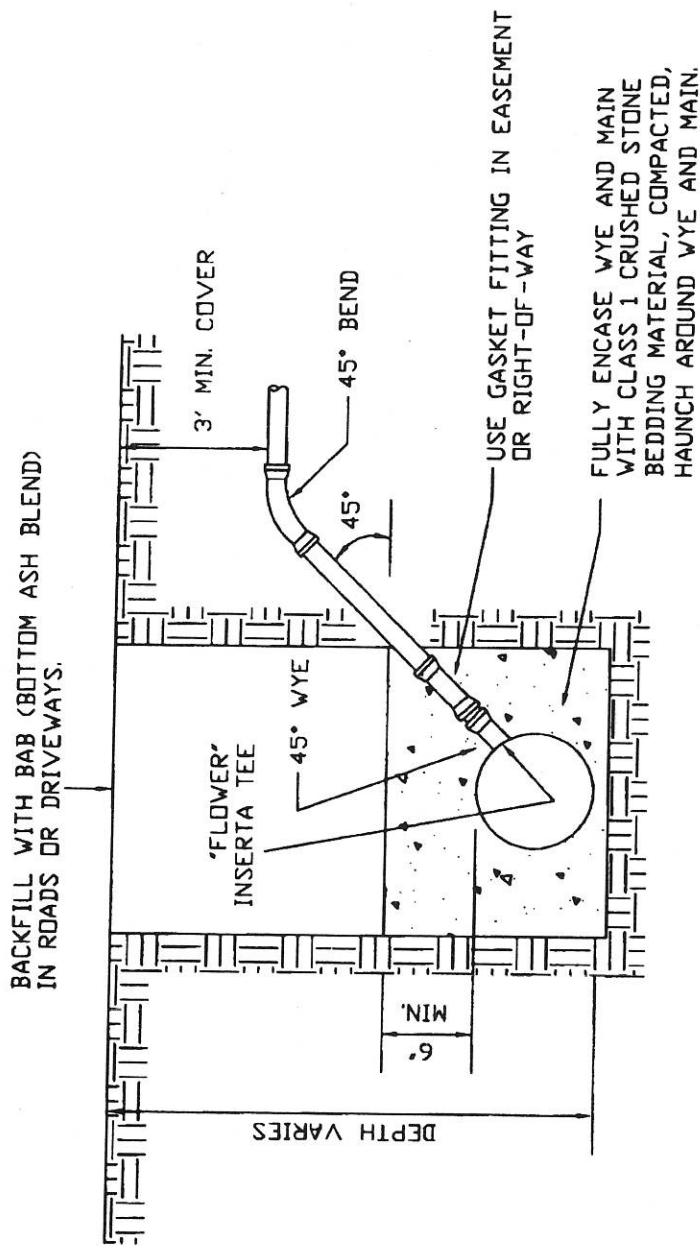


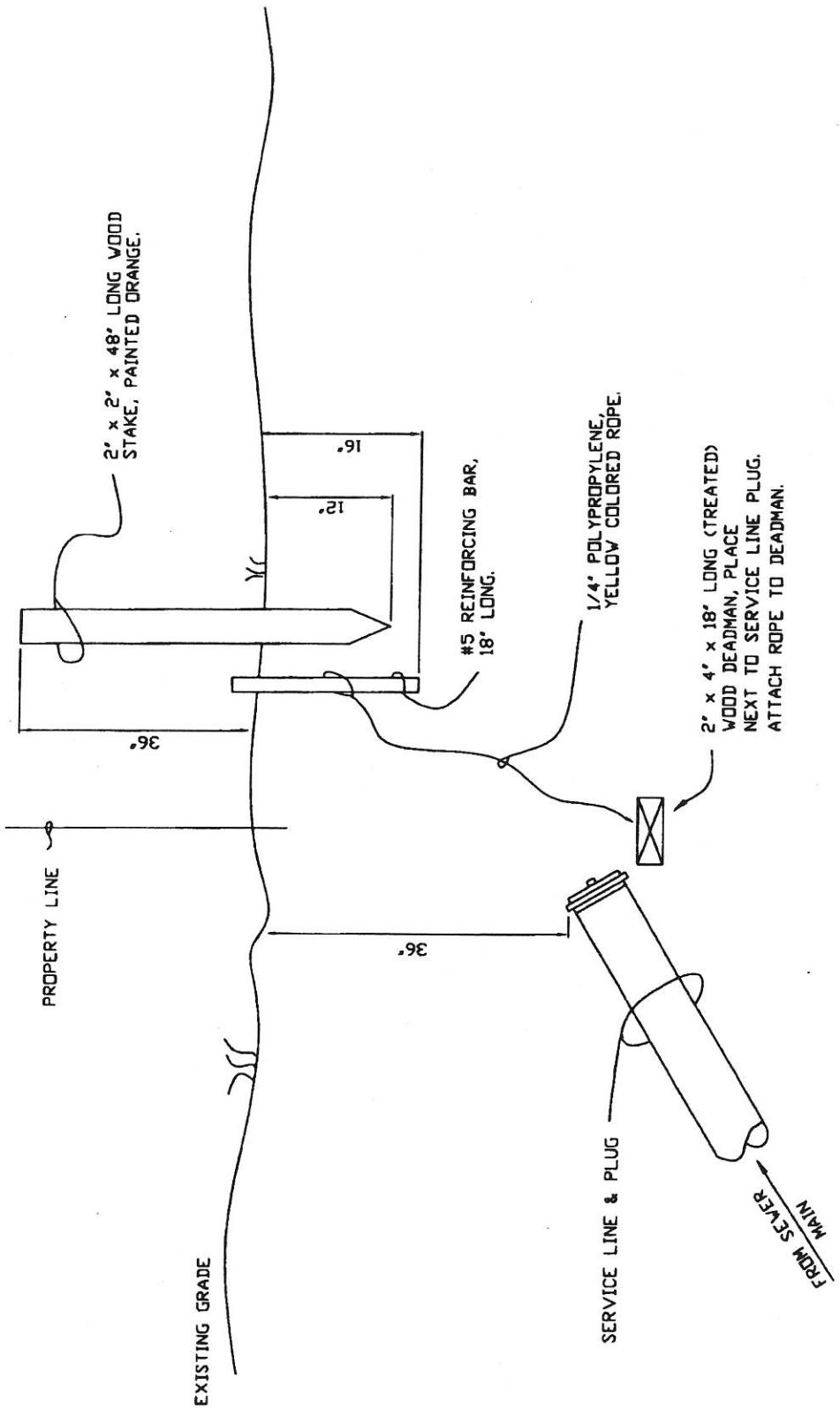
PIPE EMBEDMENT & BACKFILL UNDER STREET @ ANY DEPTH

NOT TO SCALE

PINE BLUFF WASTEWATER UTILITY
FEB., 2018

TYPICAL SERVICE WYE DETAIL





SERVICE LINE LOCATION
AND MARKING DETAIL

N.T.S.

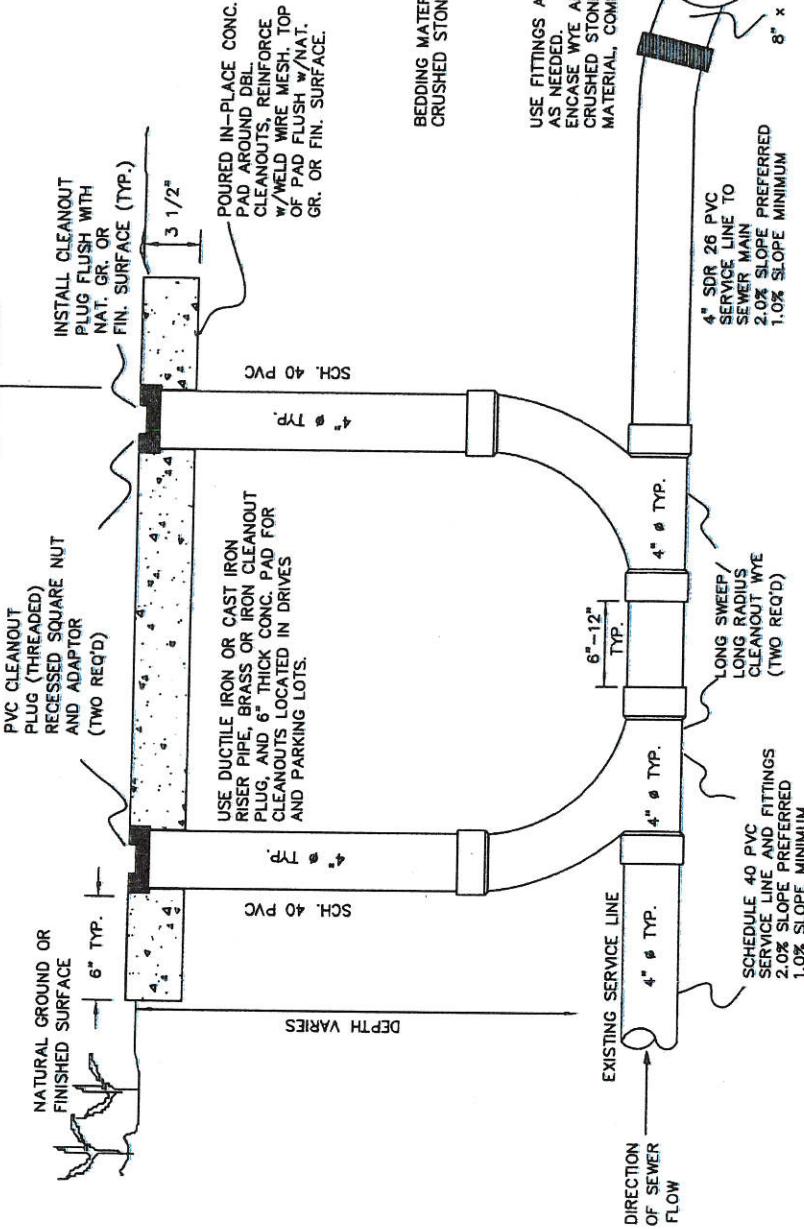
DOUBLE CLEANOUT STANDARD DETAIL

THIS OPTION MAY BE USED IN YARDS
AND IN VEHICULAR TRAFFIC AREAS.
IN VEHICULAR TRAFFIC AREAS DO NOT
USE PVC RISER PIPE OR PVC PLUGS

NO SCALE

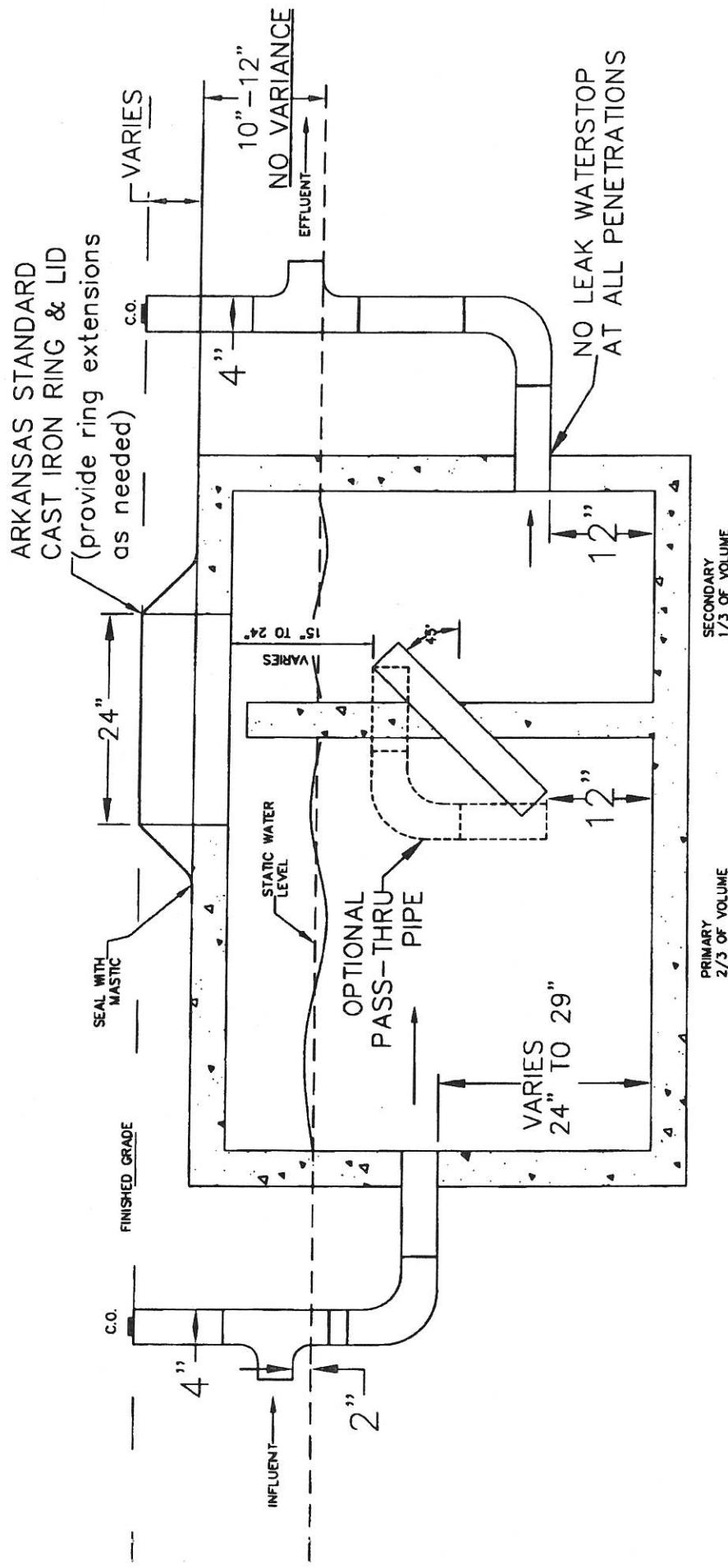
LINE EASEMENT
PROPERTY LINE

BUSINESS/HOME OWNER	CITY MAINTAINED
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PINE BLUFF WATER UTILITY

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GENERAL NOTES

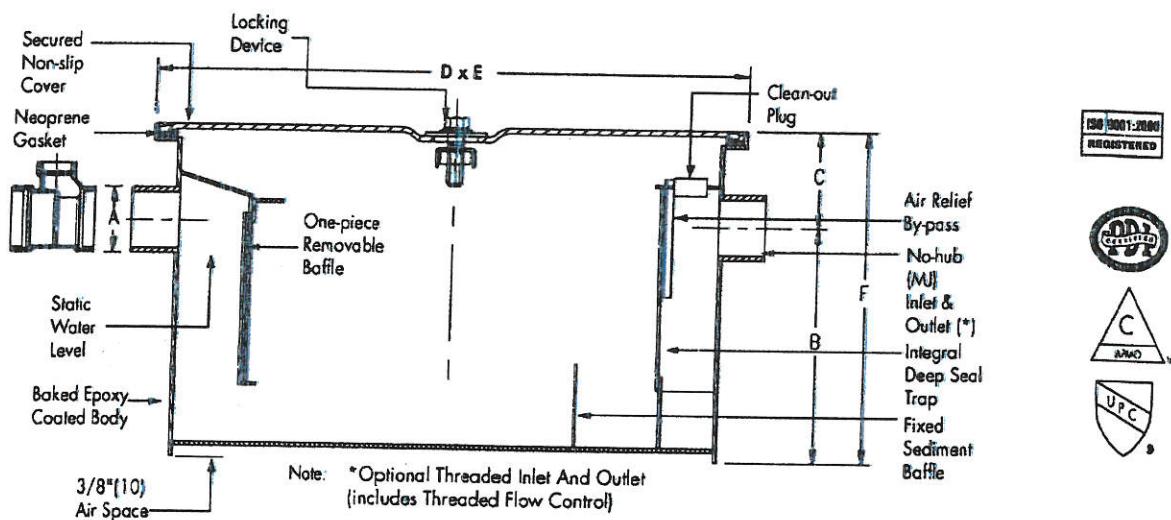
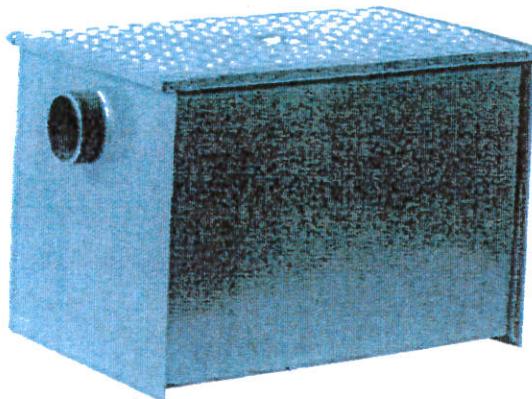
- 1.) ALL GREASE/OIL SEPARATORS MUST BE SIZED AND APPROVED BY PBWU.
- 2.) ALL PIPING SHALL COMPLY WITH CITY, STATE, AND PBW CODES AND REGULATIONS.
- 3.) GREASE / OIL SEPARATOR SHALL BE INSPECTED BY PBWU INSPECTOR PRIOR TO BACKFILL.
- 4.) PINE BLUFF CITY PLUMBING INSPECTOR IS RESPONSIBLE FOR INSPECTION OF INLET & OUTLET PIPING PRIOR TO BACKFILL.
- 5.) PLUMBERS/CONTRACTORS SHALL OBTAIN TANK DIMENSIONS FROM TANK MANUFACTURER.
- 6.) PRIMARY AND SECONDARY COMPARTMENTS OF TANKS LARGER THAN 500 GALLONS SHALL HAVE THEIR OWN RING AND LID PER COMPARTMENT.
- 7.) FLOW LINE OF INFLUENT SHALL BE 2 INCHES HIGHER THAN FLOW LINE OF EFFLUENT.
- 8.) INFLUENT AND EFFLUENT TURN-DOWNS AND CLEANOUT PLUGS MUST BE INSTALLED AS SHOWN.



WD Series

PDI Certified Grease
Interceptors

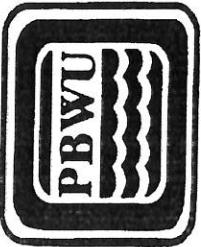
SPECIFICATION: Dormont WD Series PDI Certified recessed or floor mounted epoxy coated steel grease interceptor with gasketed solid steel cover, hex head center bolt(s), removable baffle assembly, deep seal trap with cleanout, no hub connections (standard), and external cast iron flow control fitting.



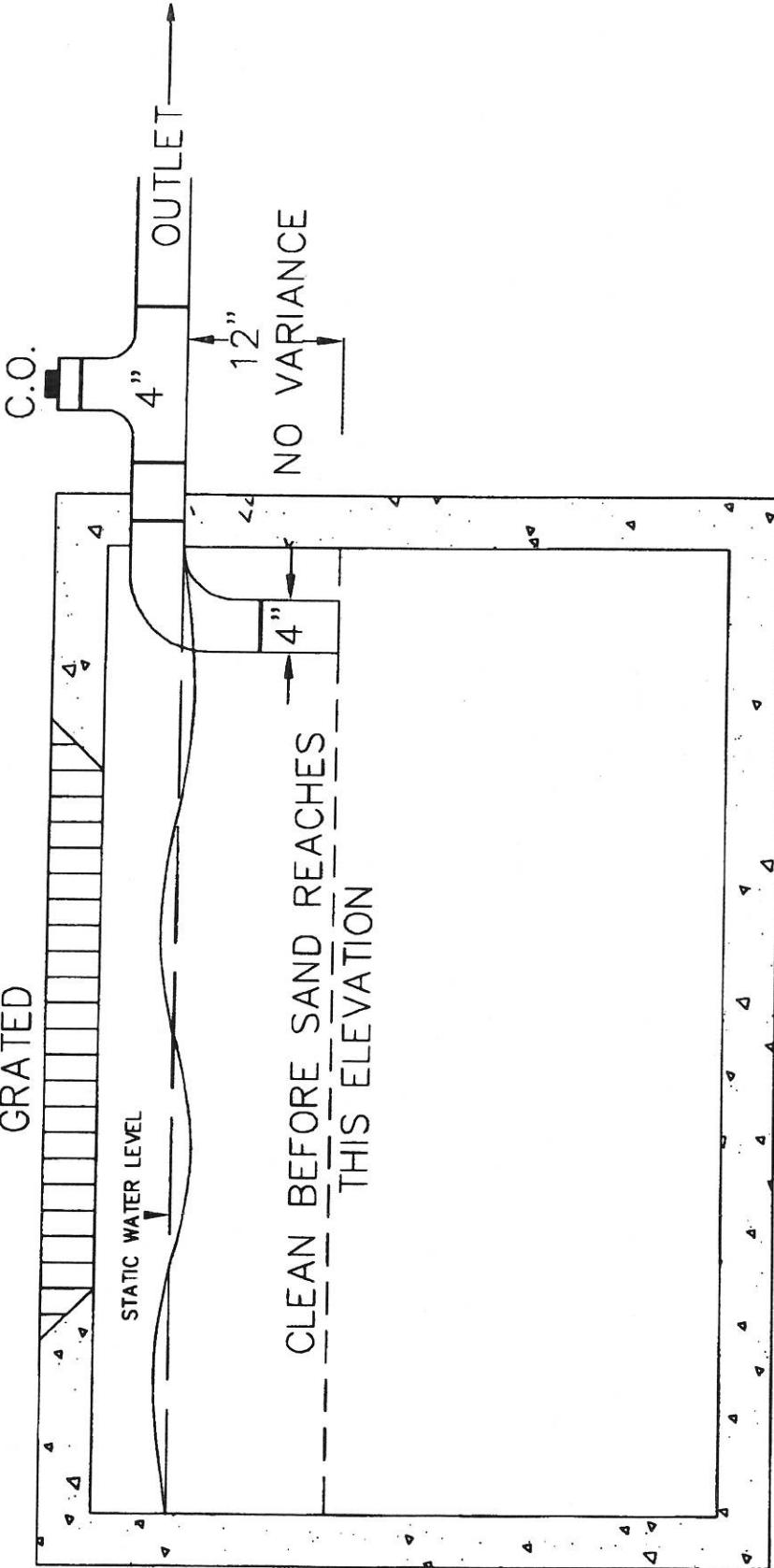
Interceptor Catalog Number	Flow Rate GPM	Grease Capacity lbs	A Inlet & Outlet	B		C Top to Center	D Length	E Width	F Height
				Base to Center	Top to Center				
WD-4	4	8	2"(51)	7-3/4"(197)	3-1/4"(83)	16"(406)	10"(254)	11"(279)	
WD-7	7	14	2"(51)	8-1/2"(216)	3-1/2"(89)	18"(457)	13"(330)	12"(305)	
WD-10	10	20	2"(51)	8-1/2"(216)	3-1/2"(89)	21-3/4"(552)	14"(356)	12"(305)	
WD-15	15	30	2"(51)	10-1/2"(267)	3-1/2"(89)	22"(559)	15"(381)	14"(356)	
WD-20	20	40	3"(76)	11-1/2"(292)	3-1/2"(89)	24"(610)	15-3/4"(400)	15"(381)	
WD-25	25	50	3"(76)	12"(305)	4-1/2"(114)	26"(660)	16-1/2"(419)	16-1/2"(419)	
WD-35	35	70	3"(76)	14"(356)	5"(127)	30"(762)	18"(457)	19"(483)	
WD-50	50	100	4"(102)	16"(406)	5-1/2"(140)	32"(813)	22"(559)	21-1/2"(546)	

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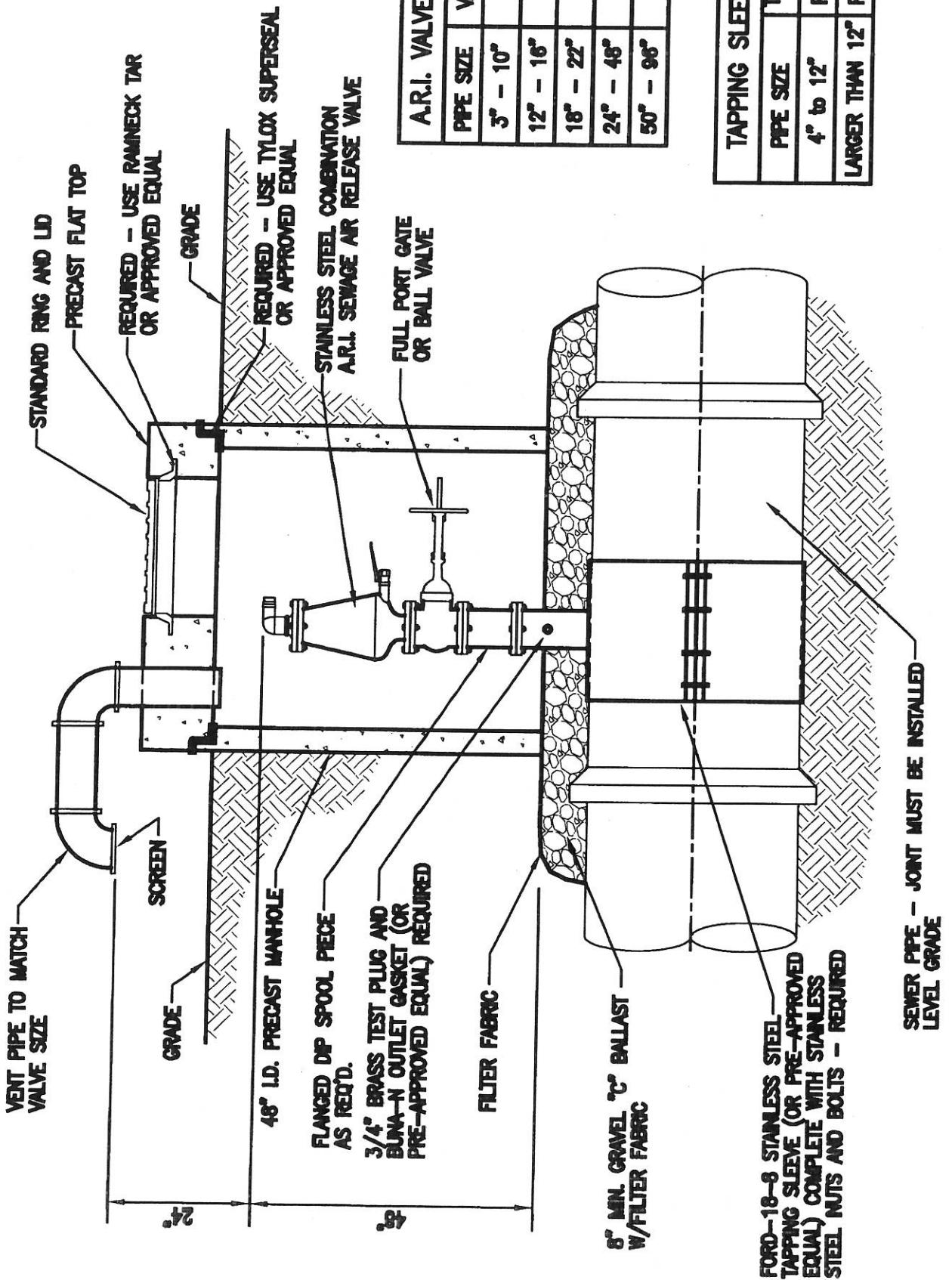


CAST IRON RING & LID GRADED



GENERAL NOTES

- .) ALL SAND TRAPS MUST BE SIZED AND APPROVED BY PBWU.
- .) ALL PIPING SHALL COMPLY WITH CITY, STATE, AND PBWU CODES AND REGULATIONS.
- .) SAND TRAP SHALL BE INSPECTED BY PBWU INSPECTOR PRIOR TO BACKFILL.
- .) PINE BLUFF CITY PLUMBING INSPECTOR IS RESPONSIBLE FOR INSPECTION OF INLET & OUTLET PIPING PRIOR TO BACKFILL.
- 5.) PLUMBERS/CONTRACTORS SHALL OBTAIN TANK DIMENSIONS FROM TANK MANUFACTURER.
- 6.) INFILTRANT AND EFFLUENT TURN-DOWNS AND CLEANOUT PLUGS MUST BE INSTALLED AS SHOWN.
- 7.) NO RAIN OR STORMWATER SHALL BE ALLOWED TO ENTER THE SAND TRAP.



COMBINATION SEWAGE AIR RELEASE VALVE

NO SCALE

