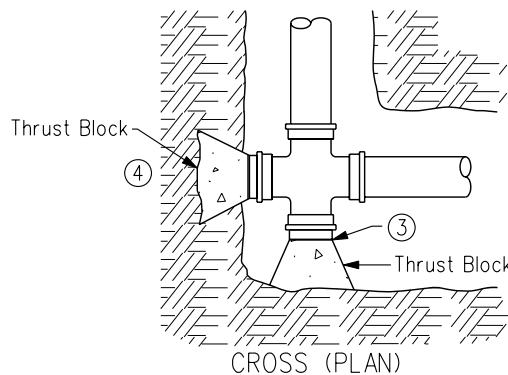
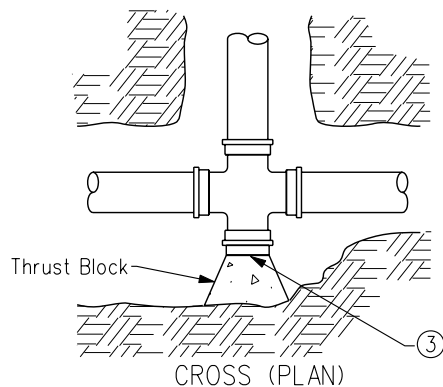
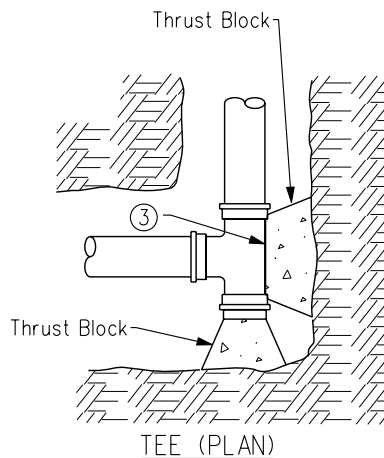
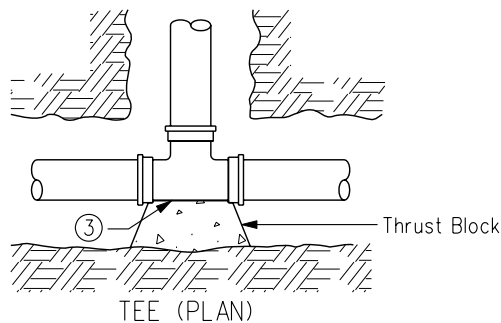
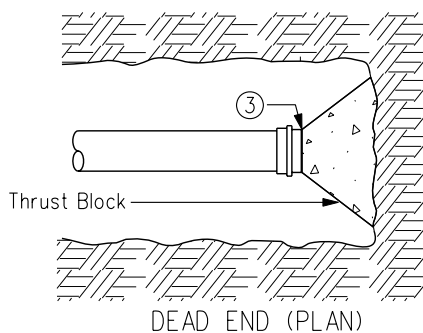
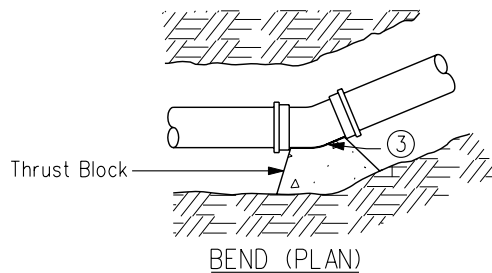


GENERAL NOTES:

Use alternate thrust block at dead ends only when permitted by the Jurisdictional Engineer, or when specified in the contract documents.

- ① Extend thrust blocks to undisturbed soil.
- ② Form vertical surfaces of poured concrete thrust blocks except on bearing surface.
- ③ Encase all fittings in polyethylene wrap. Do not allow concrete to directly contact joints or fitting bolts.
- ④ Excavation into trench wall may be necessary.
- ⑤ Refer to Table 1 for minimum bearing surface area.

TABLE 1

SIZE OF PIPE (IN)	MINIMUM BEARING SURFACE (SF)				
	BENDS				TEE OR DEAD END
	11.25°	22.5°	45°	90°	
4	1.0	1.0	2.0	4.0	3.0
6	1.0	2.0	4.0	8.0	6.0
8	2.0	4.0	7.0	14.0	10.0
10	3.0	6.0	11.0	21.0	15.0
12	4.0	8.0	16.0	29.0	21.0
14	5.0	11.0	21.0	39.0	28.0
16	7.0	14.0	27.0	50.0	36.0
18	9.0	17.0	34.0	63.0	45.0
20	11.0	21.0	42.0	78.0	55.0
24	15.0	31.0	60.0	111.0	78.0
30	24.0	47.0	92.0	171.0	121.0
36	34.0	67.0	132.0	244.0	173.0

NOTE: Area based upon water pressure of 150 PSI and allowable soil pressure of 1000 PSF. Jurisdictional engineer may modify required size based upon site conditions.



SUDAS

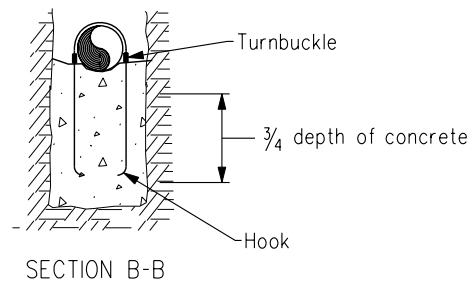
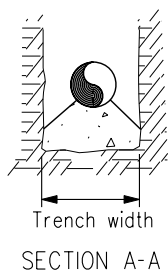
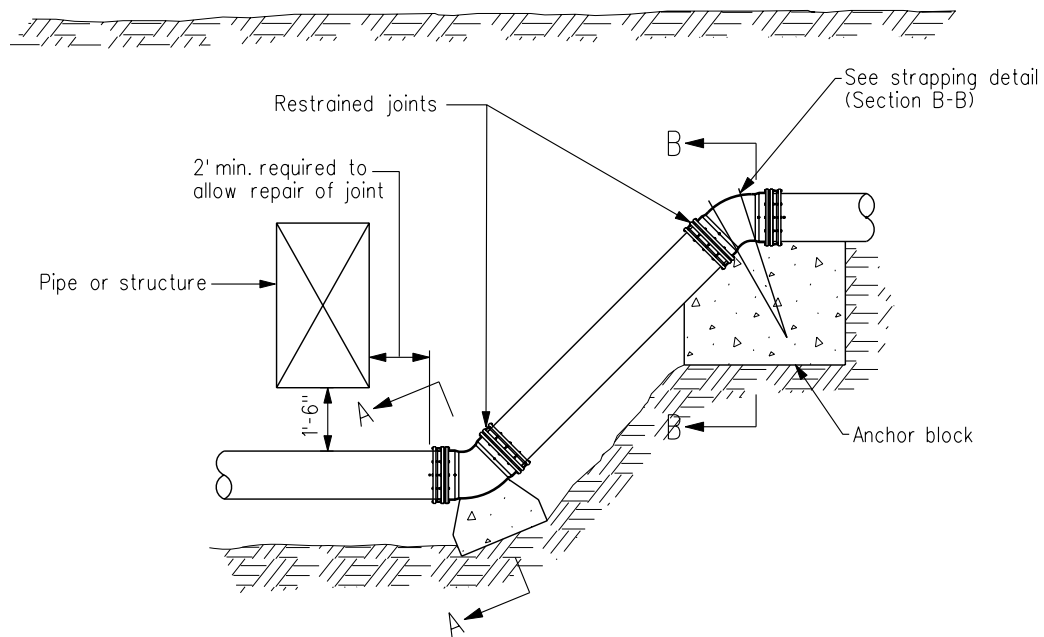
REVISION NO.

REVISION DATE
10/17/06

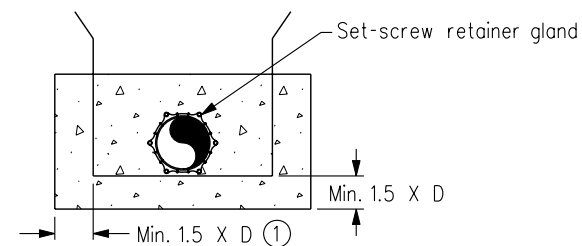
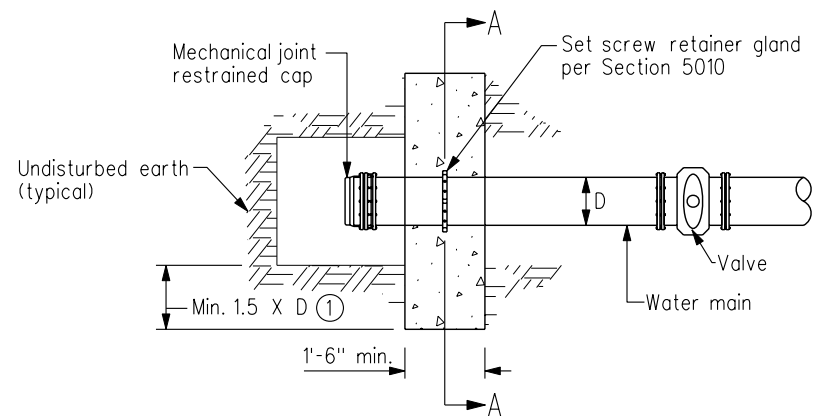
FIGURE: 5010.I

SHEET 1 OF 2

PCC THRUST BLOCKS



PIPE LOWERING



SECTION A-A

DEAD END (ALTERNATE)

 SUDAS	REVISION NO. ---
	REVISION DATE 10/17/06
FIGURE: 5010.1	
SHEET 2 OF 2	
PCC THRUST BLOCKS	