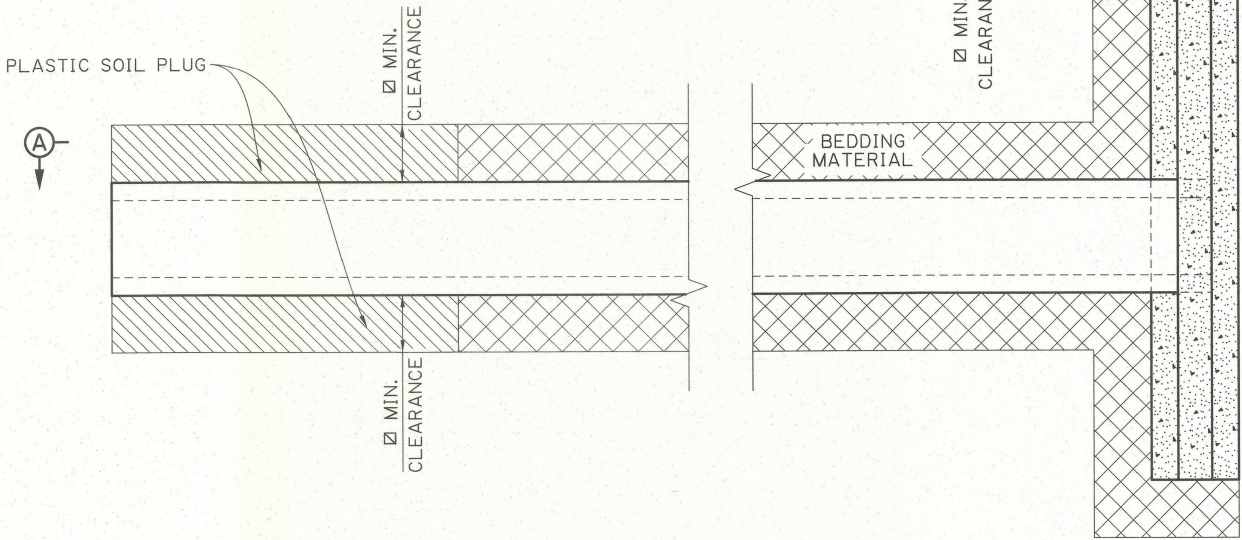


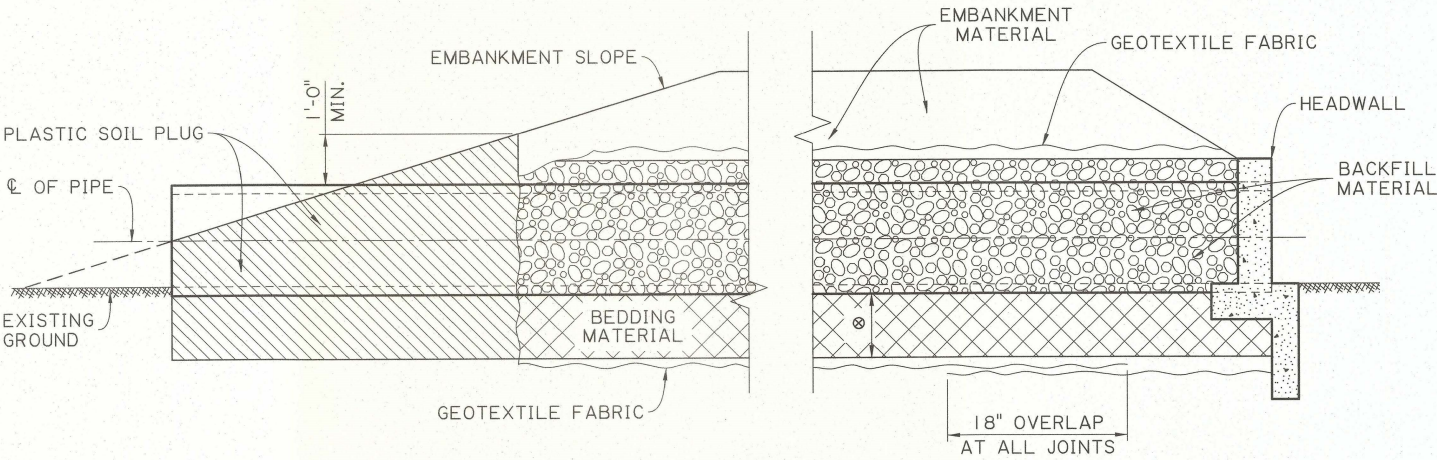
GENERAL NOTES :

1. REINFORCED CONCRETE PIPE AND FLEXIBLE PIPE ARE SHOWN AS TYPICAL STRUCTURES. DETAILS ALSO APPLY TO REINFORCED CONCRETE BOX CULVERT, REINFORCED CONCRETE PIPE ARCH, CORRUGATED METAL PIPE ARCH, AND CORRUGATED STRUCTURAL PLATE STRUCTURES.
2. CONSTRUCTION COVER REQUIREMENTS MAY EXCEED FINAL COVER.
3. CROSS DRAIN DETAILS APPLY TO ALL REACHES OF PIPE UNDER RIGID OR FLEXIBLE ROADWAYS.
4. FOR STRUCTURES INSTALLED OUTSIDE THE LIMITS OF THE ROADWAY, THE 12" OF FINAL BACKFILL ABOVE TYPE B BACKFILL UP TO THE EXISTING GROUND SHALL BE PLASTIC SOIL BLANKET MATERIAL. IF THE EMBANKMENT TO BE INSTALLED IS GREATER THAN 12" ABOVE EXISTING GROUND IN THE AREA OVER THE STRUCTURE, THEN THE PLASTIC SOIL BLANKET IS NOT REQUIRED AND TYPE B BACKFILL MAY EXTEND TO EXISTING GROUND.

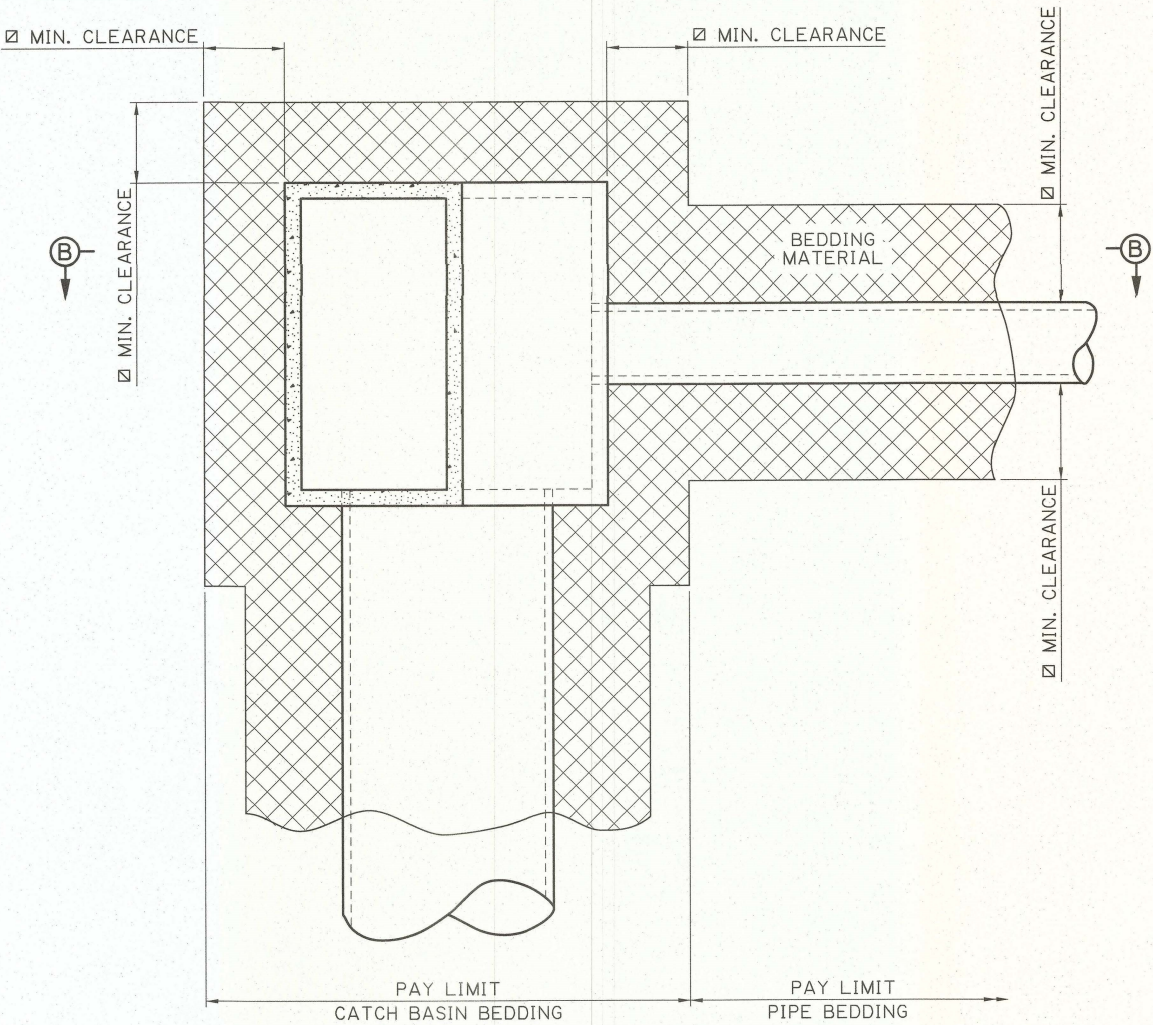
Ø MINIMUM TRENCH CLEARANCE		
TYPE OF STRUCTURE	INSIDE DIAMETER	MIN. CLEARANCE
REINFORCED CONCRETE	ALL	18"
FLEXIBLE PIPE	< 48"	18"
FLEXIBLE PIPE	≥ 48"	24"



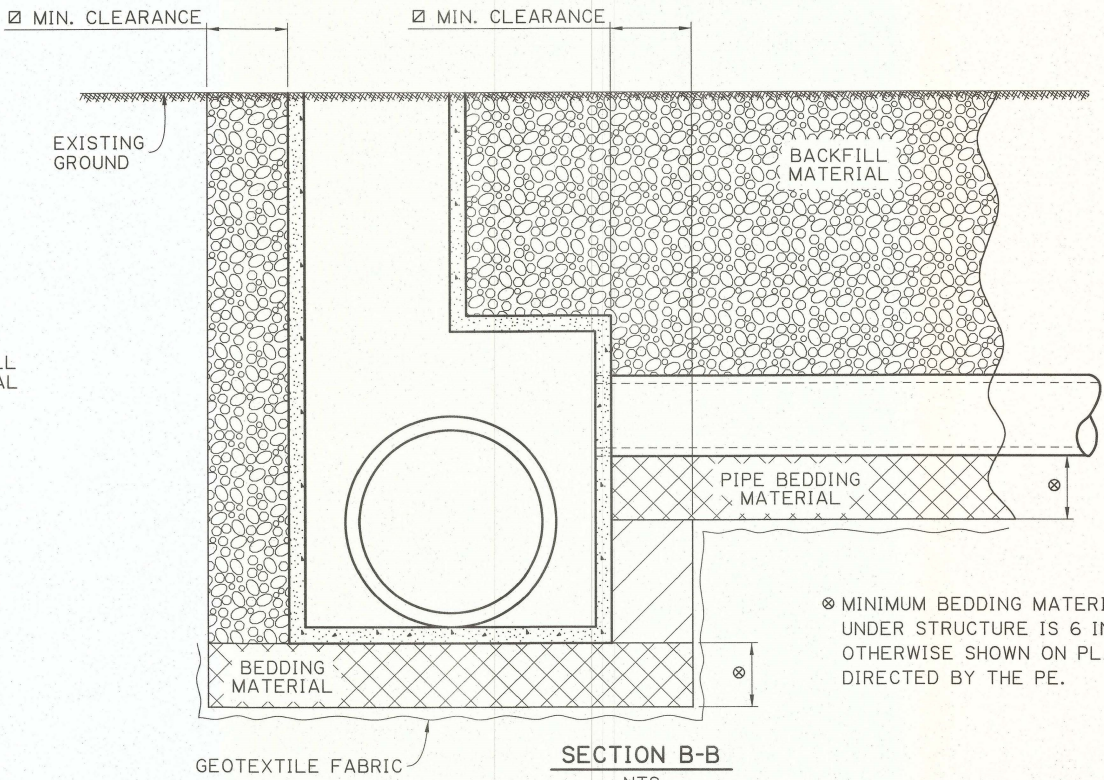
TYPICAL CROSS DRAIN INSTALLATION
WITH AND WITHOUT HEADWALL
(EMBANKMENT MATERIAL NOT SHOWN FOR CLARITY)
NTS



SECTION A-A
WITH AND WITHOUT HEADWALL
NTS



TYPICAL CATCH BASIN AND STORM DRAIN INSTALLATION
NTS



⊗ MINIMUM BEDDING MATERIAL THICKNESS
UNDER STRUCTURE IS 6 INCHES UNLESS
OTHERWISE SHOWN ON PLANS OR AS
DIRECTED BY THE PE.

SHEET NUMBER		PARISH		STATE PROJECT	
DESIGN	C. NICKEL	CHECK	J. RAUSER	DETAIL	L. HASTINGS
CHECK	C. NICKEL	REVIEW	C. NICKEL	SERIES	1 OF 2
APPROVED BY CHIEF ENGINEER:				DATE: 6/1/2026	
REVISION OR CHANGE ORDER DESCRIPTION				BY	
NO.				DATE	
					
DRAINAGE STRUCTURES BEDDING & BACKFILL					
BM-01					
					
STANDARD PLAN					