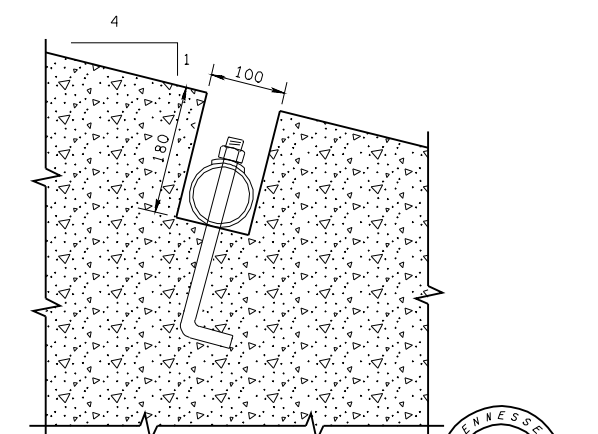
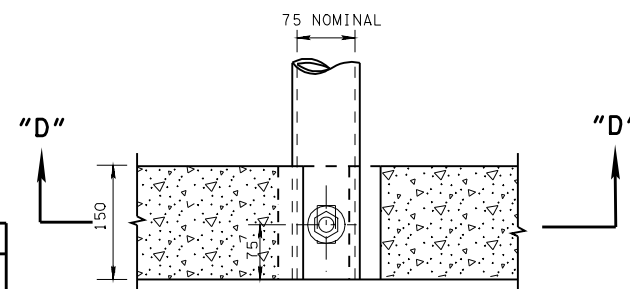
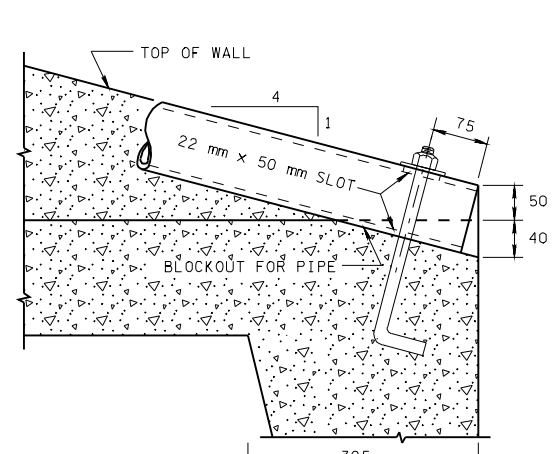
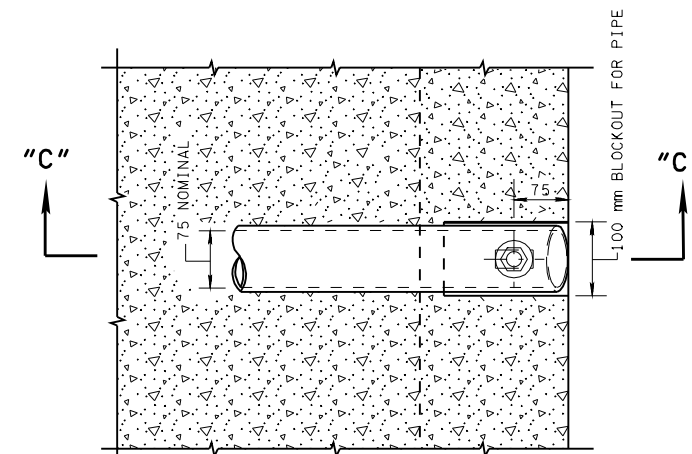
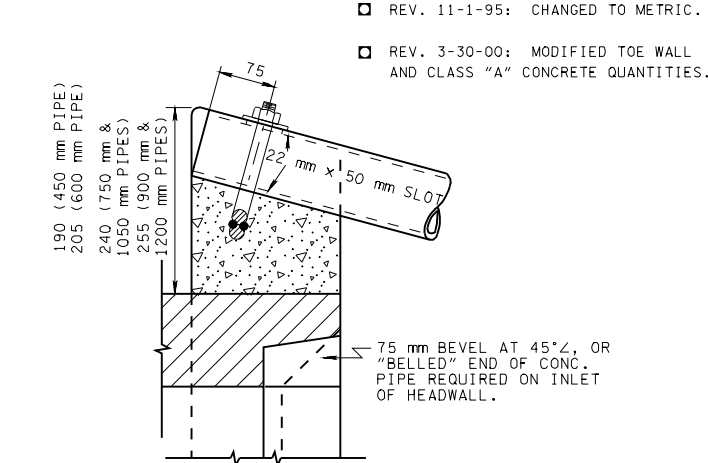
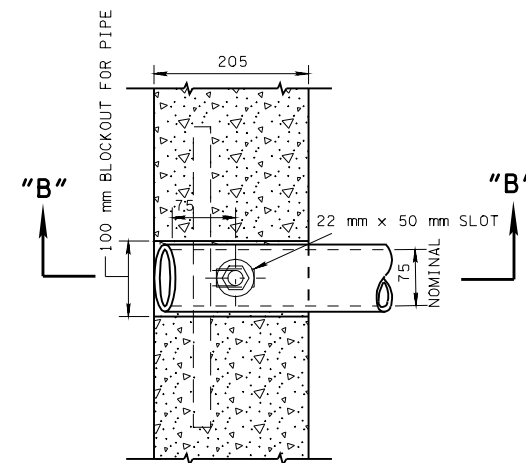
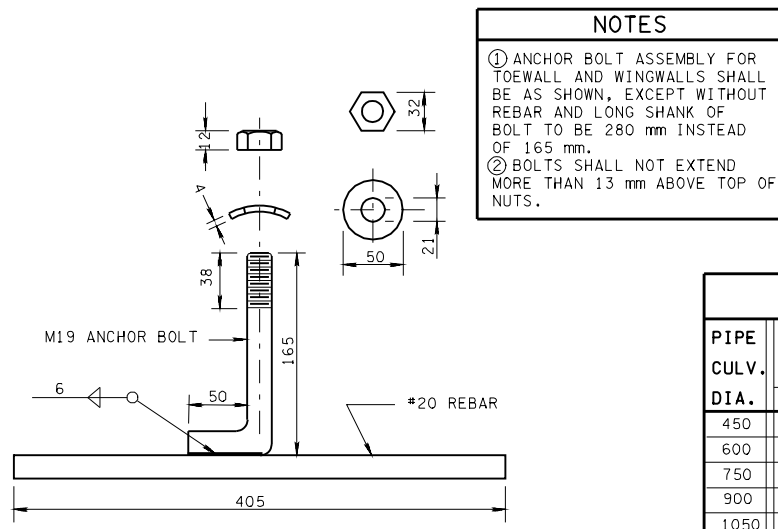
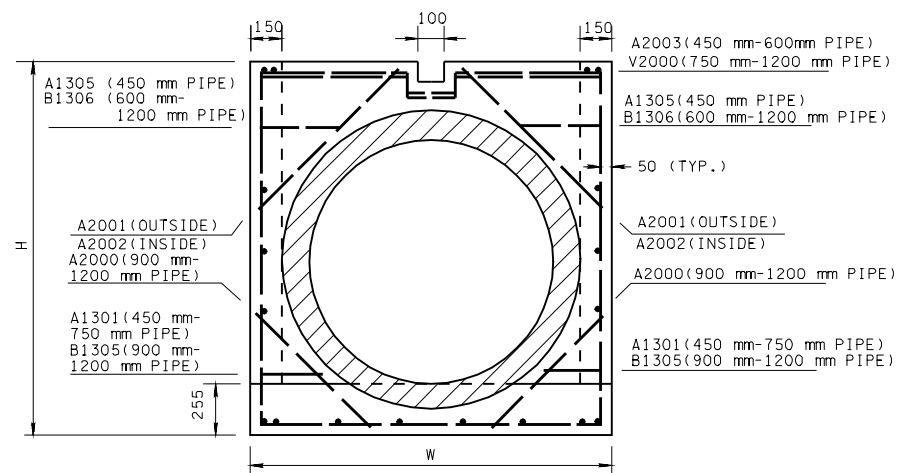
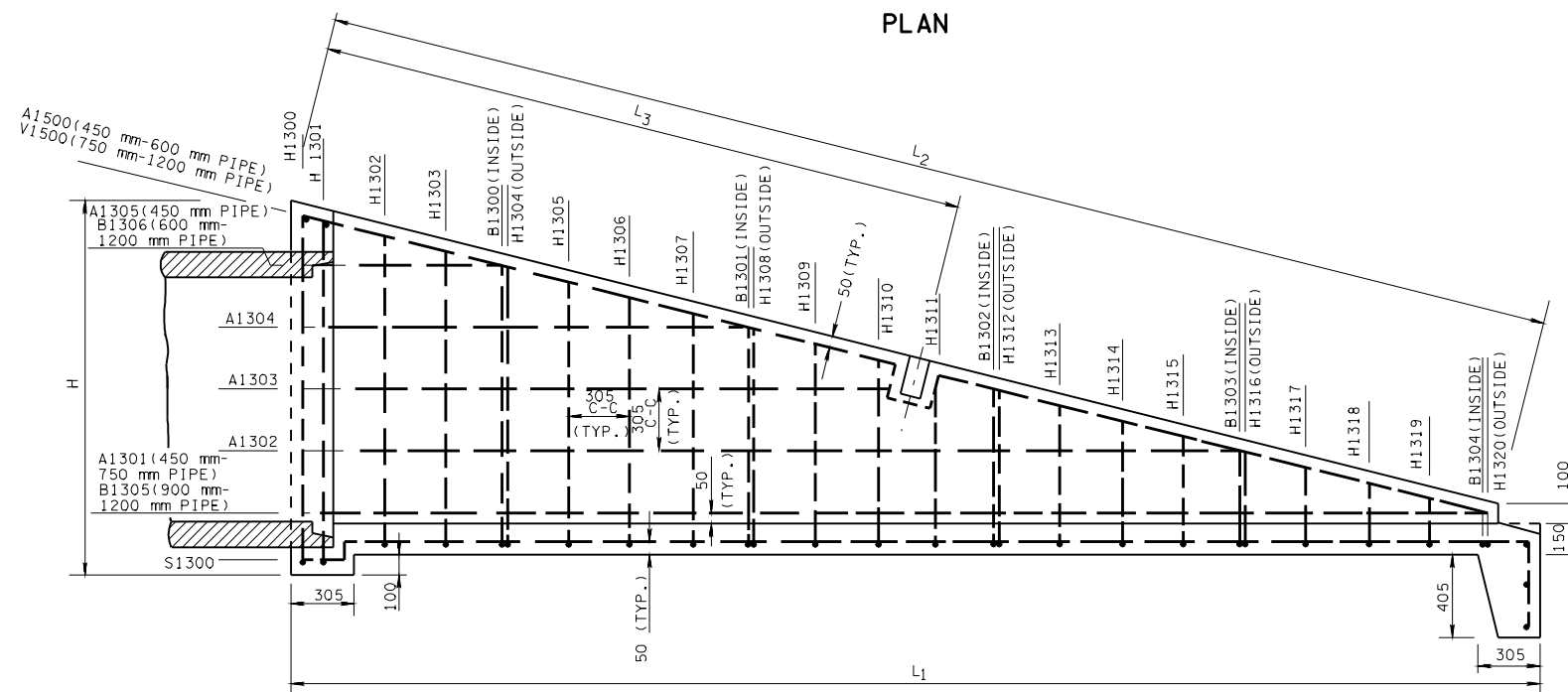
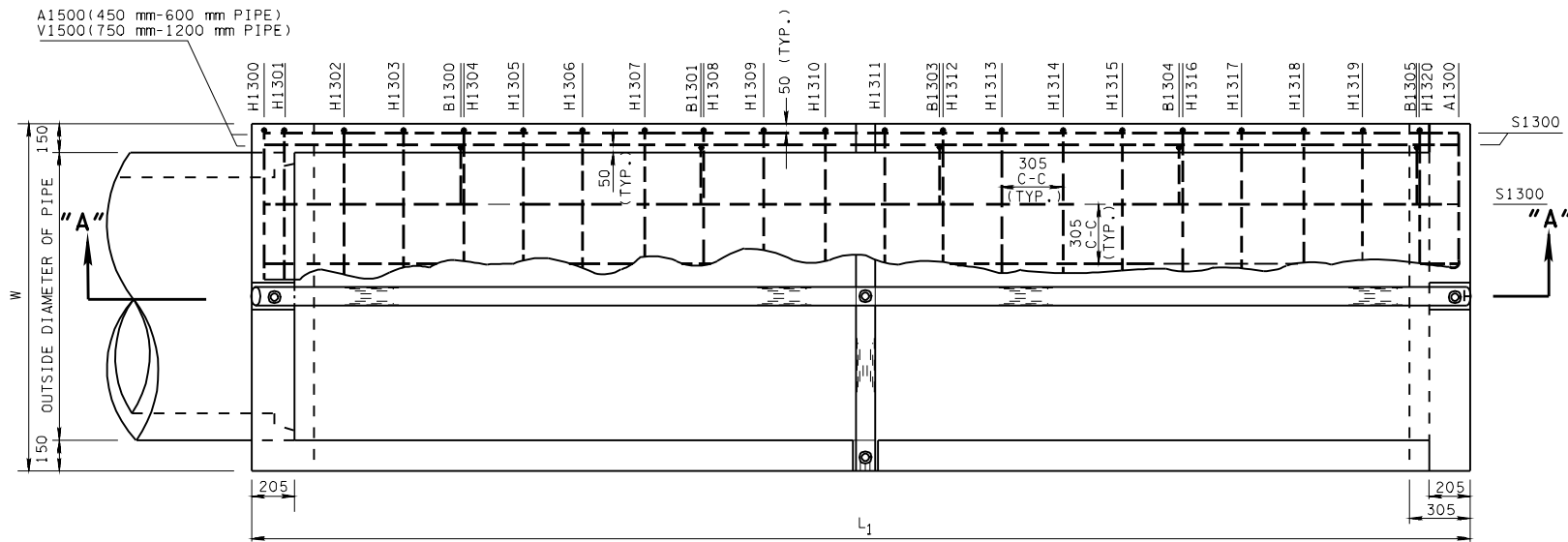




DIMENSIONS AND QUANTITIES FOR ONE ENDWALL										
PIPE CULV. DIA.	CONCRETE ENDWALL DIMENSIONS					STRUCTURAL STEEL PIPE DIMENSIONS		ESTIMATED QUANTITIES		
	H	L ₁	L ₂	L ₃	W	LG	WG	CLASS "A" CONCRETE m ³	STEEL BAR REINF. kg	STRUCT. STEEL kg
450	965	2640	2515	—	890	—	—	0.81	67	① —
600	1145	3355	3250	—	1065	—	—	1.33	98	① —
750	1345	4165	4085	2135	1245	4270	1245	1.73	130	62
900	1525	4875	4815	2500	1420	5005	1420	2.30	173	73
1050	1675	5485	5445	2815	1600	5630	1600	2.87	202	82
1200	1855	6200	6185	3180	1780	6365	1780	3.59	249	92

① PIPE GRATE IS NOT REQUIRED FOR 450 mm OR 600 mm PIPE CULVERTS.
② SEE DM-PE-4BB FOR BILL OF STEEL.

ALL UNITS ARE IN MILLIMETERS UNLESS NOTED OTHERWISE.
MINOR REVISION -- FHWA APPROVAL NOT REQUIRED.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
CONCRETE ENDWALL TYPE "U" WITH STEEL PIPE GRATE
FOR 450 mm THRU 1200 mm PIPES 4:1 SLOPE
11-1-95 DM-PE-4BA