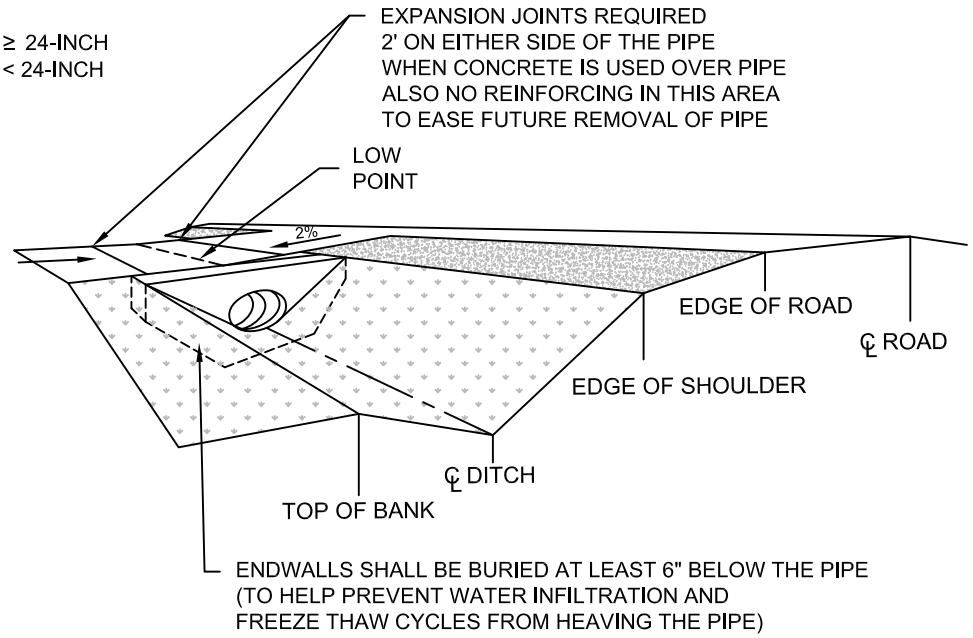


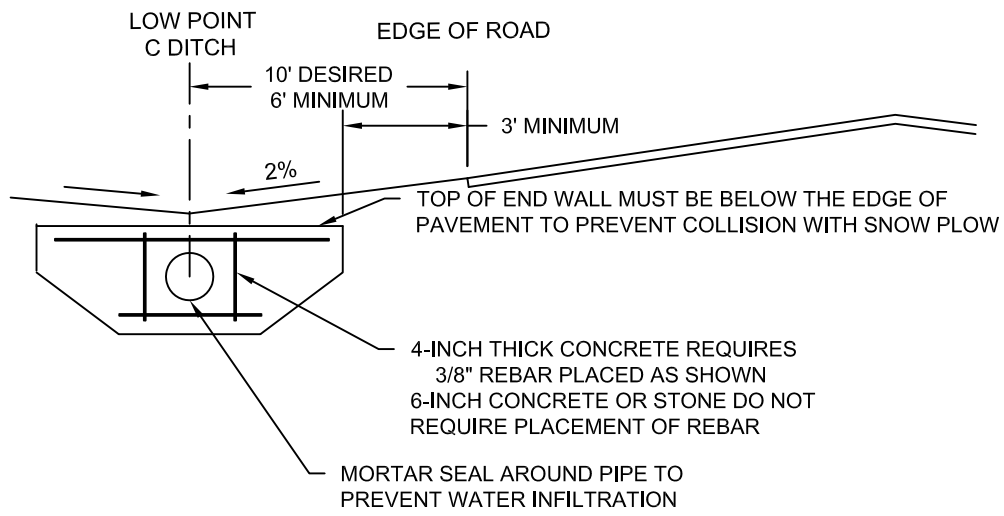
6" MIN CONCRETE FOR PIPE DIA ≥ 24-INCH
 4" MIN CONCRETE FOR PIPE DIA < 24-INCH
 6" MIN MORTARED STONE

MASONRY ENDWALLS ARE REQUIRED AND SHALL BE
 POURED OR PRE-CAST CONCRETE, MORTARED STONE,
 OR OTHER MASONRY MATERIAL
 CONSTRUCTED AESTHETICALLY CONSISTENT WITH CITY
 STANDARDS EXTENDING THROUGH THE ENTIRE CROSS
 SECTION OF THE DITCH TO PREVENT WATER INFILTRATION
 AROUND THE CULVERT



EXPANSION JOINTS REQUIRED
 2' ON EITHER SIDE OF THE PIPE
 WHEN CONCRETE IS USED OVER PIPE
 ALSO NO REINFORCING IN THIS AREA
 TO EASE FUTURE REMOVAL OF PIPE


ENDWALLS SHALL BE BURIED AT LEAST 6" BELOW THE PIPE
 (TO HELP PREVENT WATER INFILTRATION AND
 FREEZE THAW CYCLES FROM HEAVING THE PIPE)



TOP OF END WALL MUST BE BELOW THE EDGE OF
 PAVEMENT TO PREVENT COLLISION WITH SNOW PLOW

4-INCH THICK CONCRETE REQUIRES
 3/8" REBAR PLACED AS SHOWN
 6-INCH CONCRETE OR STONE DO NOT
 REQUIRE PLACEMENT OF REBAR

MORTAR SEAL AROUND PIPE TO
 PREVENT WATER INFILTRATION

FIGURE NO. 11		
DRIVEWAY APPROACH CULVERT ENDWALLS		
 CITY OF NEW BERLIN ENGINEERING DEPARTMENT		
DRAWN BY: NPS/NLH	DATE: 1/01, REV 5/16	SCALE: NTS