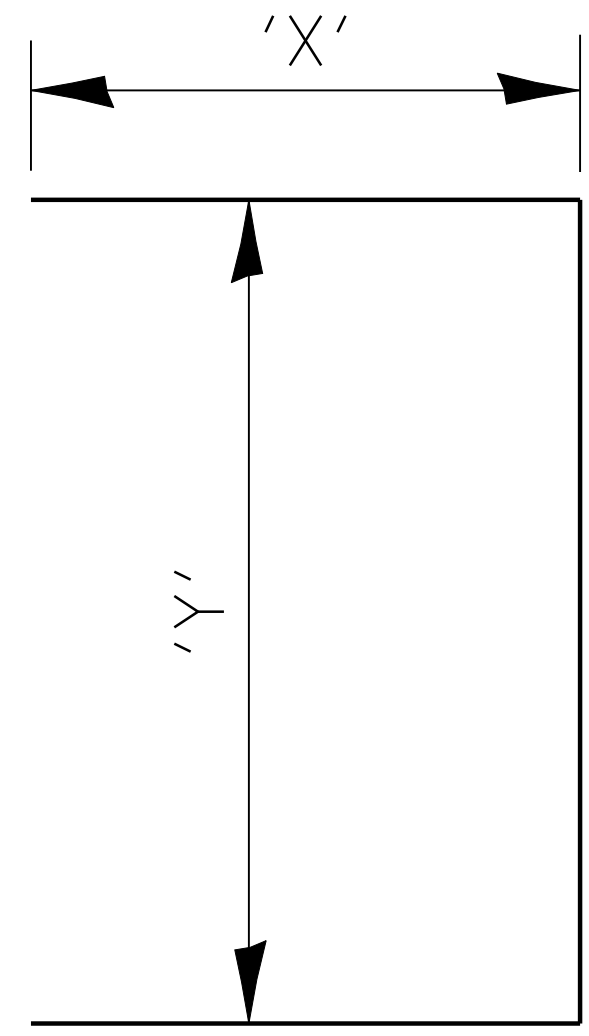


3/4" EXPANSION BOLTS @ 12" CTS.

PROP. PRECAST CONC. BOX CULV. EXT.

EXPANSION BOLTS SHALL CONSIST OF SELF DRILLING EXPANSION SHIELDS AND 3/4" DIA. HOOKED BOLTS. HOOKED BOLTS SHALL EXTEND A MINIMUM OF 9" INTO NEW CONCRETE. BOLTS SHALL BE DRILLED IN THE CENTER OF THE EXISTING BOX CULVERT BARREL WALLS. MINIMUM CERTIFIED PROOF LOAD = 4,080 LBS.



U-BAR

QUANTITIES ARE FOR ONE SIDE ONLY

LOCATION	EXISTING CULVERT SIZE FT. x FT.	PRECAST CULVERT EXTENSION FT. x FT.	EXTENSION COLLAR		U-BAR		CONC. COLLAR CU. YD.	REINFORCEMENT BARS POUND	3/4" DIA. EXPANSION BOLTS EACH
			WIDTH IN.	HEIGHT IN.	'X' IN.	'Y' IN.			

**COLLAR DETAIL (PRECAST BOX CULVERT EXTENSION OF BOX CULVERT)**