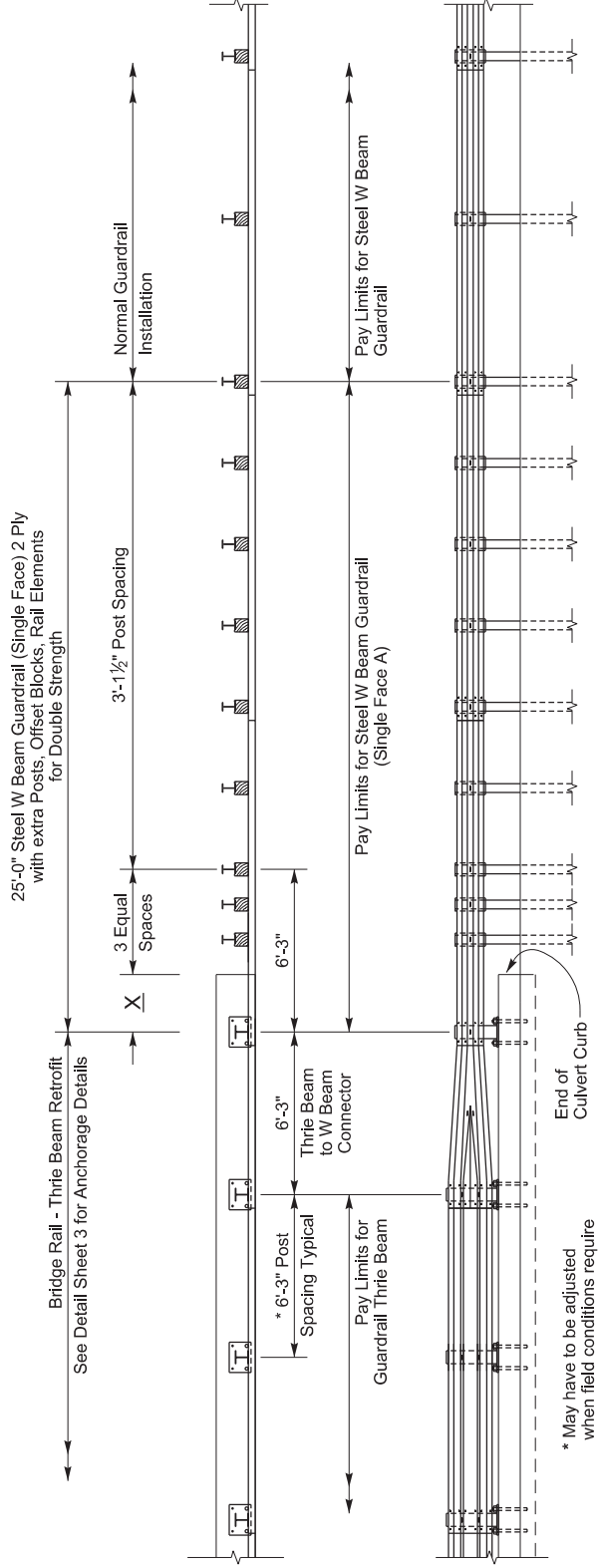




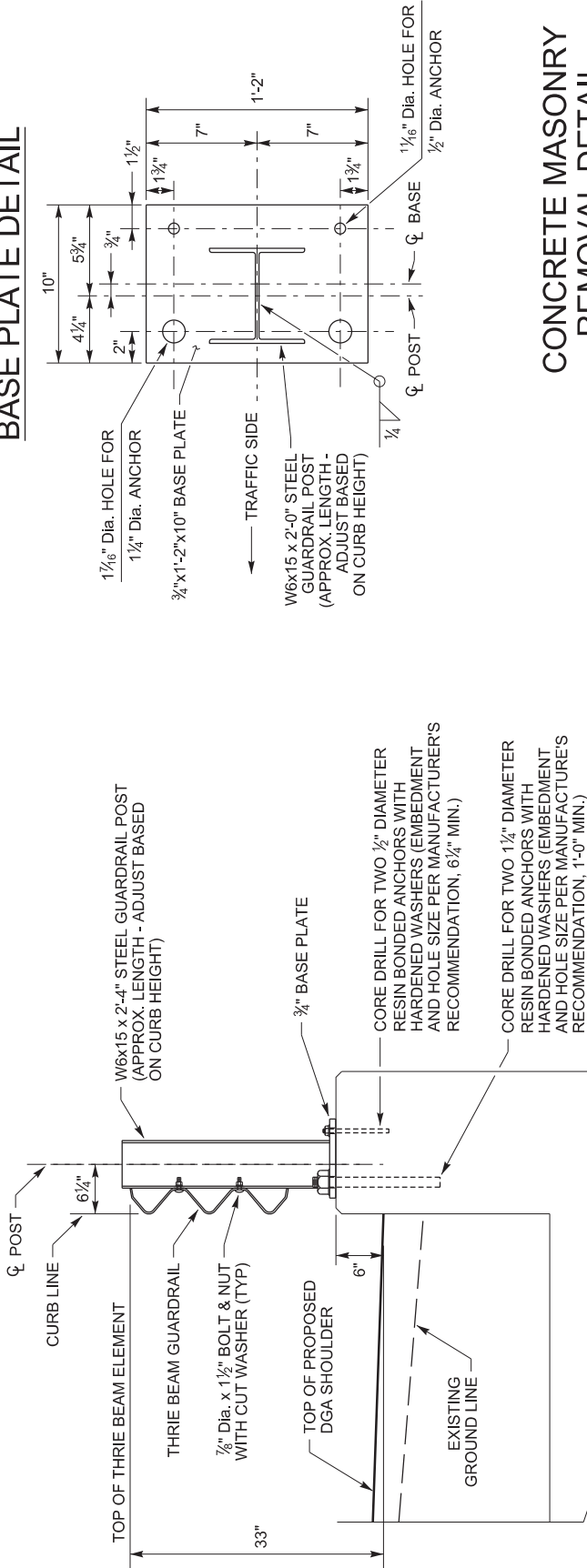
① Existing Culvert Length $\approx 35'-8"$ - Using $X \approx 2'-2\frac{1}{2}"$ should leave 5 Spaces @ $6'-3"$ ($31'-3"$)
 -2 Spaces (the first and last spaces on each end of bridge) will have the Thrie Beam to W Beam Connector
 -3 Spaces @ $6'-3"$ ($18'-9"$) will have the Guardrail Thrie Beam

① ADJUST X BASED ON ACTUAL LENGTH OF CULVERT

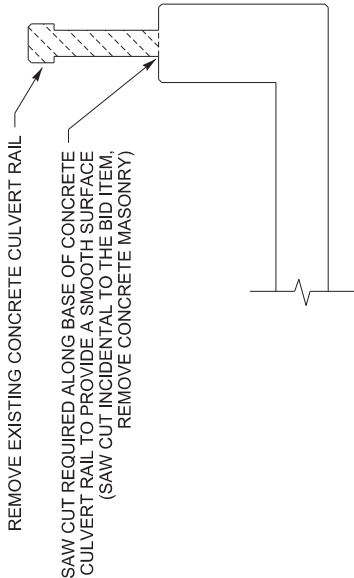
Detail Sheet 2 of 8	BRIDGE RAIL - THRIE BEAM RETROFIT			COUNTY:	Casey
				ROUTE:	US 127
				CROSSING:	Allen Creek ($\approx$ MP 7.949)

TYPICAL STEEL POST ANCHORAGE FOR ALLEN CREEK CULVERT

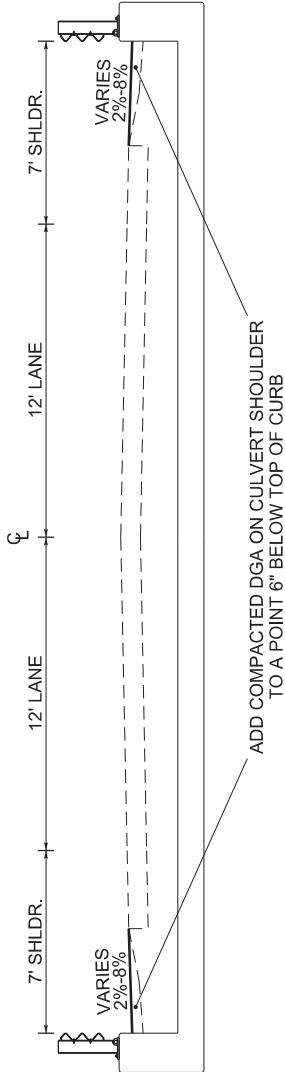
ALLEN CREEK CULVERT REQUIRES A TOTAL OF APPROXIMATELY 12 POSTS



CONCRETE MASONRY REMOVAL DETAIL



ALLEN CREEK CULVERT TYPICAL SECTION



Detail Sheet
3 of 8

BRIDGE RAIL - THRIE BEAM RETROFIT

COUNTY: Casey
ROUTE: US 127
CROSSING: Allen Creek (≈ MP 7.949)