

ELLIPTICAL PIPE SPAN RISE (in.)	1 ½ : 1 Slope				2 : 1 Slope			
	EC-3 Type B	Depth (T) (18") Class A1	Depth (T) (24") Class I	Depth (T) (36") Class II	EC-3 Type B	Depth (T) (18") Class A1	Depth (T) (24") Class I	Depth (T) (36") Class II
	Sq. Yds.	Cu. Yds.	Cu. Yds.	Cu. Yds.	Sq. Yds.	Cu. Yds.	Cu. Yds.	Cu. Yds.
60 x 38	29.10	14.55	19.40	29.10	26.39	13.19	17.59	26.39
68 x 43	37.95	18.98	25.30	37.95	34.52	17.26	23.01	34.52
76 x 48	47.31	23.66	31.54	47.31	42.99	21.50	28.66	42.99
83 x 53	57.03	28.52	38.02	57.03	51.86	25.93	34.57	51.86
91 x 58	68.34	34.17	45.56	68.34	62.07	31.04	41.38	62.07
98 x 63	80.82	40.41	53.88	80.82	72.66	36.33	48.44	72.66
106 x 68	93.35	46.67	62.23	93.35	84.74	42.37	56.49	84.74

TABLE D-13 CULVERT OUTLET PROTECTION WITH ST'D. EW-2A ENDWALLS

Quantities To Be Used Only For Computations of Dry Rip Rap For Outlet Protection.*

* Rev. 7/10