

ELLIPTICAL PIPE SPAN RISE (in.)	1 ½ : 1 Slope				2 : 1 Slope			
	EC-3 Type B	Depth (T) (18")	Depth (T) (24")	Depth (T) (36")	EC-3 Type B	Depth (T) (18")	Depth (T) (24")	Depth (T) (36")
		Class A1	Class I	Class II		Class A1	Class I	Class II
	Sq. Yds.	Cu. Yds.	Cu. Yds.	Cu. Yds.	Sq. Yds.	Cu. Yds.	Cu. Yds.	Cu. Yds.
23 x 14	2.43	1.21	1.62	2.43	2.31	1.15	1.54	2.31
30 x 19	4.35	2.17	2.90	4.35	4.12	2.06	2.75	4.12
34 x 22	5.71	2.85	3.81	5.71	5.41	2.71	3.61	5.41
38 x 24	6.94	3.47	4.63	6.94	6.60	3.30	4.40	6.60
42 x 27	8.67	4.33	5.78	8.67	8.25	4.12	5.49	8.23
45 x 29	9.97	4.99	6.65	9.97	9.46	4.73	6.31	9.46
49 x 32	12.01	6.00	8.01	12.01	11.40	5.70	7.60	11.40
53 x 34	13.78	6.89	9.19	13.78	13.09	6.55	8.73	13.09

**TABLE D-6 CULVERT OUTLET PROTECTION WITH ST'D. EW-2S AND EW-7S  
ENDWALLS (30° SKEW)**

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