



DITCH ANALYSIS

PID : 116570 **Date :** 07/01/2025 **Project :** ERIE-US 6-CORRIDOR **Location :** Rye Beach Right and SR 2 Entry Ramp
Description : Ditch from Rye Beach Sta 145+71 to Ramp C Sta 743+75 **Designer :** HRT

Rainfall Area : A

Allowable Shears

	Seed:	0.40	Jute Mat:	0.45	Temporary Mat:	1.00
Permanent Mat	Type 1:	2.00	Type 2:	3.00	Type 3:	5.00
RCP	Type B:	6.00				

(*) Warning: Grade is steeper than allowable.

If value is parantheses, design parameters have been exceeded. - See user manual.

STATION BEGIN	STATION END	SIDE	LENGTH (ft.)	RADIUS WIDTH (ft.)	IN SLOPE (ft./ft.)	BACK SLOPE (ft./ft.)	GRADE (ft./ft.)	AREA (acres)	AREA SUM (acres)	RUNOFF COEFF.	CA (Sum)	PROTECT TYPE	RAIN INT. (in./hr.)	STORM FREQ. (yrs.)	MANN. COEFF.	TIME FLOW (min.)	VEL. FLOW (fps.)	SHEAR (lbs./ sq.ft.)	DESIGN FLOW (cfs.)	DEPTH FLOW (ft.)	WIDTH FLOW (ft.)
144+75	145+71	R	96.00	6.00	4.00	4.00	0.0930	0.34	0.34	0.50	0.17	Seed	3.56	5	0.030	15.79	1.99	0.28	0.60	0.05	6.39
												Seed	4.01	10	0.040	15.91	1.73	0.37	0.68	0.06	6.50
740+70	743+75	L	305.00	6.00	4.00	4.00	0.0169	0.85	1.19	0.50	0.60	Seed	3.27	5	0.030	18.54	1.80	0.17	1.95	0.16	7.30
												Seed	3.65	10	0.040	19.08	1.55	0.22	2.18	0.21	7.64