



DITCH ANALYSIS

PID : 116570 **Date :** 07/01/2025 **Project :** ERIE-US 6-CORRIDOR **Location :** Rye Beach Left & SR 2 WB Entry Right
Description : Ditch from Rye Beach Sta 150+50 to Ramp A Sta 865+21 **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.)
150+50	152+10	L	160.00	4.00	4.00	4.00	0.0054	0.10	0.10	0.50	0.05	Seed	3.17	5	0.030	19.59	0.55	0.02	0.15	0.06	4.52
												Seed	3.55	10	0.040	20.07	0.48	0.03	0.17	0.08	4.64
867+60	865+21	R	239.00	4.00	4.00	4.00	0.0474	0.24	0.34	0.53	0.18	Seed	2.98	5	0.030	21.82	1.75	0.21	0.52	0.07	4.56
												Seed	3.33	10	0.040	22.62	1.51	0.26	0.58	0.09	4.71