



DITCH ANALYSIS

PID : 116570 **Date :** 06/26/2025 **Project :** ERIE-US 6-CORRIDOR **Location :** US 6 Right

Description : Ditch from 1765+42 to Retention Basin

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.)
1764+80	1764+30	R	50.00	4.00	4.00	4.00	0.0026	0.02	0.02	0.58	0.01	Seed	3.28	5	0.030	18.36	0.30	0.01	0.04	0.03	4.26
												Seed	3.77	10	0.040	17.97	0.26	0.01	0.05	0.04	4.34
1765+42	1764+80	R	62.00	4.00	4.00	4.00	0.0147	0.15	0.17	0.58	0.10	Seed	3.18	5	0.030	19.40	1.00	0.07	0.31	0.07	4.58
												Seed	3.64	10	0.040	19.16	0.87	0.09	0.36	0.09	4.75