



DITCH ANALYSIS

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

Description : Sta 1766+60 to Sta 1768+50

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.)
1766+60	1767+54	R	94.00	4.00	4.00	4.00	0.0022	0.28	0.28	0.60	0.17	Seed	3.39	5	0.030	17.27	0.67	0.03	0.57	0.18	5.44
												Seed	3.81	10	0.040	17.63	0.58	0.03	0.64	0.23	5.80
1768+50	1767+54	R	96.00	4.00	4.00	4.00	0.0028	0.18	0.46	0.62	0.28	Seed	3.21	5	0.030	19.13	0.85	0.04	0.90	0.22	5.74
												Seed	3.58	10	0.040	19.79	0.72	0.05	1.01	0.27	6.19