



DITCH ANALYSIS

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

Description : Ditch from Sta 1774+40 to Sta 1777+40

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.)
1774+40	1777+00	R	260.00	4.00	4.00	4.00	0.0040	0.79	0.79	0.57	0.45	Seed	3.25	5	0.030	18.72	1.12	0.06	1.45	0.26	6.06
												Seed	3.62	10	0.040	19.38	0.95	0.08	1.62	0.32	6.58
1777+40	1777+00	R	40.00	4.00	4.00	4.00	0.0102	0.16	0.95	0.57	0.54	Seed	3.21	5	0.030	19.13	1.63	0.14	1.74	0.22	5.75
												Seed	3.58	10	0.040	19.86	1.39	0.18	1.93	0.27	6.19