



DITCH ANALYSIS

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

Description : Ditch from Sta 1771+90 to Sta 1773+14

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.)
1771+90	1772+10	R	20.00	4.00	4.00	4.00	0.0225	0.07	0.07	0.70	0.05	Seed	3.61	5	0.030	15.37	0.90	0.06	0.17	0.05	4.37
												Seed	4.07	10	0.040	15.42	0.77	0.08	0.19	0.06	4.47
1773+14	1772+10	R	104.00	4.00	4.00	4.00	0.0050	0.40	0.47	0.55	0.27	Seed	3.42	5	0.030	17.02	1.04	0.06	0.91	0.19	5.48
												Seed	3.84	10	0.040	17.34	0.89	0.07	1.02	0.23	5.87