



DITCH ANALYSIS

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

Description : Ditch from Sta 1773+30 to Sta 1774+19

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.)
1773+30	1774+00	R	70.00	4.00	4.00	4.00	0.0101	0.24	0.24	0.58	0.14	Seed	3.52	5	0.030	16.12	1.04	0.07	0.48	0.10	4.84
												Seed	3.96	10	0.040	16.29	0.91	0.08	0.54	0.13	5.05
1774+19	1774+00	R	19.00	4.00	4.00	4.00	0.0453	0.10	0.34	0.56	0.19	Seed	3.50	5	0.030	16.28	1.91	0.23	0.68	0.08	4.66
												Seed	3.94	10	0.040	16.48	1.65	0.30	0.76	0.10	4.84