



DITCH ANALYSIS

PID : 116570 **Date :** 07/22/2025 **Project :** ERIE-US 6-CORRIDOR **Location :** US 6 Right

Description : Ditch from Sta 1774+19 to Sta 1774+00

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+19	1774+00	R	19.00	4.00	6.00	2.00	0.0453	0.10	0.10	0.56	0.06	Seed	3.62	5	0.030	15.25	1.23	0.11	0.21	0.04	4.32
												Seed	4.09	10	0.040	15.30	1.09	0.14	0.23	0.05	4.41