



DITCH ANALYSIS

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

Description : Ditch from Sta 1787+53 to Sta 1787+97

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.)
1787+53	1789+75	R	222.00	4.00	4.00	4.00	0.0090	0.71	0.71	0.58	0.41	Seed	3.37	5	0.030	17.50	1.44	0.11	1.40	0.20	5.61
												Seed	3.78	10	0.040	17.91	1.24	0.14	1.56	0.25	6.02
1785+97	1785+75	R	22.00	4.00	4.00	4.00	0.0036	0.09	0.80	0.58	0.47	Seed	3.34	5	0.030	17.83	1.10	0.06	1.55	0.28	6.21
												Seed	3.73	10	0.040	18.30	0.94	0.08	1.74	0.34	6.75