



DITCH ANALYSIS

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

Description : Ditch from Sta 1784+50 to Sta 1788+80

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.)
1784+50	1786+97	L	247.00	3.00	4.00	4.00	0.0024	0.31	0.31	0.75	0.23	Seed	3.14	5	0.030	19.94	0.80	0.04	0.72	0.23	4.85
												Seed	3.48	10	0.040	20.84	0.67	0.04	0.80	0.29	5.32
1788+80	1786+97	L	183.00	3.00	4.00	4.00	0.0031	0.27	0.58	0.77	0.44	Seed	2.90	5	0.030	22.86	1.02	0.06	1.28	0.30	5.38
												Seed	3.19	10	0.040	24.29	0.86	0.07	1.41	0.37	5.92