



DITCH ANALYSIS

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

Description : Ditch from Sta 1788+80 to 1786+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 (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.)
1788+80	1786+97	L	183.00	3.00	3.00	3.00	0.0031	0.27	0.27	0.77	0.21	Seed	3.28	5	0.030	18.39	0.88	0.04	0.69	0.21	4.29
												Seed	3.67	10	0.040	18.94	0.75	0.05	0.77	0.27	4.63