



DITCH ANALYSIS

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

Description : Ditch from Sta 1785+20 to 1785+99

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.)
1785+20	1785+75	R	55.00	4.00	4.00	4.00	0.0044	0.46	0.46	0.53	0.25	Seed	3.54	5	0.030	15.93	0.97	0.05	0.87	0.19	5.50
												Seed	3.99	10	0.040	16.09	0.84	0.06	0.98	0.24	5.89
1785+99	1785+75	R	24.00	2.00	4.00	4.00	0.0192	0.12	0.58	0.60	0.32	Seed	3.52	5	0.030	16.13	1.97	0.24	1.11	0.20	3.61
												Seed	3.96	10	0.040	16.33	1.67	0.30	1.25	0.25	4.00