



DITCH ANALYSIS

PID : 116570 **Date :** 06/25/2025 **Project :** ERIE-US 6-CORRIDOR **Location :** US 6 Right

Description : Ditch from Sta 1756+30 to Sta 1757+30

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.)
1756+30	1756+95	R	65.00	4.00	4.00	4.00	0.0020	0.42	0.42	0.56	0.24	Seed	3.48	5	0.030	16.44	0.74	0.03	0.82	0.23	5.83
												Seed	3.92	10	0.040	16.70	0.63	0.04	0.93	0.29	6.30
1757+30	1756+95	R	35.00	4.00	4.00	4.00	0.0074	0.04	0.46	0.71	0.27	Seed	3.43	5	0.030	16.94	1.17	0.08	0.91	0.17	5.33
												Seed	3.85	10	0.040	17.27	1.01	0.10	1.02	0.21	5.68