



DITCH ANALYSIS

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

Description : Ditch from Sta 1757+55 to Sta 1762+10

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.)
1757+55	1757+75	R	20.00	4.00	4.00	4.00	0.0340	0.20	0.20	0.57	0.12	Seed	3.62	5	0.030	15.23	1.47	0.14	0.42	0.07	4.54
												Seed	4.10	10	0.040	15.26	1.28	0.18	0.48	0.09	4.69
1762+10	1757+75	R	435.00	4.00	4.00	4.00	0.0091	1.41	1.61	0.54	0.88	Seed	3.22	5	0.030	19.06	1.83	0.17	2.82	0.30	6.38
												Seed	3.59	10	0.040	19.75	1.55	0.21	3.14	0.37	6.96