



DITCH ANALYSIS

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

Description : Ditch from Sta 1751+90 to Sta 1752+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.)
1752+30	1752+10	R	20.00	4.00	4.00	4.00	0.0010	0.13	0.13	0.50	0.06	Seed	3.55	5	0.030	15.87	0.37	0.01	0.23	0.13	5.07
												Seed	4.00	10	0.040	16.02	0.32	0.01	0.26	0.17	5.38
1751+90	1752+10	R	20.00	4.00	4.00	4.00	0.0110	0.04	0.17	0.54	0.09	Seed	3.51	5	0.030	16.24	0.89	0.05	0.30	0.08	4.62
												Seed	3.95	10	0.040	16.44	0.79	0.07	0.34	0.10	4.77