



DITCH ANALYSIS

PID : 116570 **Date :** 07/23/2025 **Project :** ERIE-US 6-CORRIDOR **Location :** RAMP B
Description : Ditch From Sta. 55+30 to Sta. 55+71 **Designer :** WK

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.)
55+30	55+71	R	63.44	10.00	2.00	3.00	0.1042 *	0.11	0.11	0.50	0.06	Seed	3.54	5	0.030	15.96	1.11	0.11	0.19	0.02	10.09
												Seed	3.99	10	0.040	16.07	0.96	0.15	0.22	0.02	10.11