



DITCH ANALYSIS

PID : 116570 Date : 07/23/2025 Project : ERIE-US 6-CORRIDOR Location : RAMP C-SUP

Description : Ditch From Sta.48+57 to Sta.49+87

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	RADIUS	IN SLOPE	BACK SLOPE	GRADE	AREA	AREA	RUNOFF	CA	PROTECT TYPE	RAIN	STORM	MANN.	TIME	VEL.	SHEAR	DESIGN	DEPTH	WIDTH
			(ft.)	WIDTH (ft.)			(ft./ft.)	(acres)	SUM (acres)	COEFF.	(Sum)		INT. (in./hr.)	FREQ. (yrs.)	COEFF.	FLOW (min.)	FLOW (fps.)	(lbs./ sq.ft.)	FLOW (cfs.)	FLOW (ft.)	FLOW (ft.)
48+57	49+87	R	127.00	6.00	3.00	3.00	0.0704	0.25	0.25	0.90	0.22	Seed	3.53	5	0.030	16.03	2.01	0.27	0.78	0.06	6.37
												Seed	3.98	10	0.040	16.18	1.78	0.35	0.88	0.08	6.48