



DITCH ANALYSIS

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

Description : Ditch from Sta 1746+38 to Sta 1747+65

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.)
1746+38	1747+00	L	62.00	2.00	4.00	4.00	0.0073	0.08	0.08	0.68	0.06	Seed	3.50	5	0.030	16.25	0.80	0.05	0.20	0.10	2.82
												Seed	3.94	10	0.040	16.46	0.68	0.06	0.22	0.13	3.03
1747+65	1747+00	L	65.00	2.00	4.00	4.00	0.0025	0.08	0.17	0.63	0.11	Seed	3.34	5	0.030	17.83	0.68	0.03	0.36	0.19	3.55
												Seed	3.73	10	0.040	18.32	0.58	0.04	0.41	0.24	3.89