



DITCH ANALYSIS

PID : 116570 **Date :** 10/13/2025 **Project :** ERI-US 0006

Location : US 0006 SUP

Description : STA. 1057+25 to 1036+21 RT

Designer : KAH

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.)
1057+25	1054+16	R	309.00	2.00	5.50	3.00	0.0051	0.42	0.42	0.76	0.32	Seed	3.21	5	0.030	19.14	1.20	0.09	1.02	0.27	4.31
												Seed	3.57	10	0.040	19.91	1.00	0.11	1.14	0.33	4.83
1053+55	1047+35	R	620.00	2.00	5.50	3.00	0.0021	0.85	1.27	0.76	0.97	Seed	2.56	5	0.030	28.01	1.10	0.07	2.47	0.53	6.50
												Seed	2.78	10	0.040	30.57	0.91	0.08	2.68	0.63	7.36
1046+48	1043+23	R	325.00	2.00	5.00	3.00	0.0006	0.43	1.70	0.77	1.30	Seed	2.22	5	0.030	35.05	0.74	0.03	2.88	0.77	8.14
												Seed	2.38	10	0.040	39.13	0.61	0.03	3.08	0.90	9.22
1042+19	1036+21	R	598.00	2.00	4.00	3.00	0.0021	0.80	2.50	0.76	1.90	Seed	1.95	5	0.030	42.60	1.28	0.09	3.71	0.67	6.68
												Seed	2.06	10	0.040	48.30	1.05	0.10	3.93	0.79	7.52