



DITCH ANALYSIS

PID : 110563 Date : 04/05/2023 Project : HAM-74

Location : Race Road NB

Description : Race Road Ditch NB - 1

Designer : Fishbeck

Rainfall Area : C

Allowable Shears

	Seed:	0.40	Jute Mat:	0.45	Temporary Mat:	1.00
Permanent Mat	Type 1:	3.00	Type 2:	4.00	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.)
18+26	18+68	R	42.00	2.00	3.00	3.00	0.0300	0.06	0.06	0.72	0.04	Seed	3.93	5	0.030	15.55	1.26	0.12	0.17	0.06	2.37
												Seed	4.38	10	0.040	15.65	1.09	0.15	0.19	0.08	2.47