

DETAILS AND RESULTS

CATCHMENT AREA DETAILS										
Catchment	Area in	Average	Portion	Imperious Area			Pervious Area			Manning's
Name	Hectares	Slope	%	Initial Loss	Continuing Loss	Portion	Initial Loss	Continuing Loss	n	
	(ha)	%	%	mm	mm/hr	%	mm	mm/hr		
1	21.94	13	0	0	0	100	10	2	0.03	
2	16.15	21	0	0	0	100	10	2	0.035	
3	18.47	25	0	0	0	100	10	2	0.035	

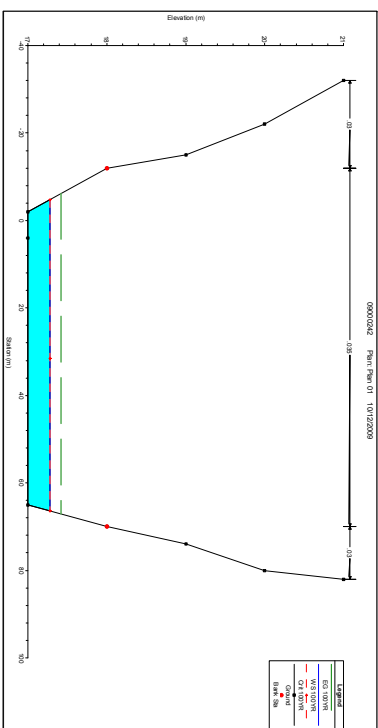
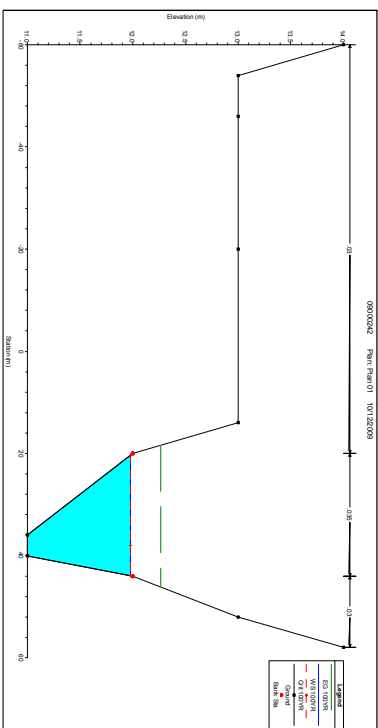
100 YEAR ARI PEAK FLOW

Cross Section	Peak Flow/ Flowrate m ³ /s	Flow Velocity m/s	Depth of Flow m	WSL (AHD) m
101	32	2.39	0.98	11.98
202	32	2.11	0.5	14.5
330	32	1.65	0.28	17.28
439	32	2.32	0.58	20.58

PMF PEAK FLOW

Cross Section	Peak Flow/ Flowrate m ³ /s	Flow Velocity m/s	Depth of Flow m	WSL (AHD) m
101	80.1	2.95	1.48	12.48
202	80.1	2.72	0.89	14.89
330	80.1	2.2	0.51	17.51
439	80.1	3.03	1.05	21.05

100YR ARI FLOOD EVENT CROSS-SECTIONS

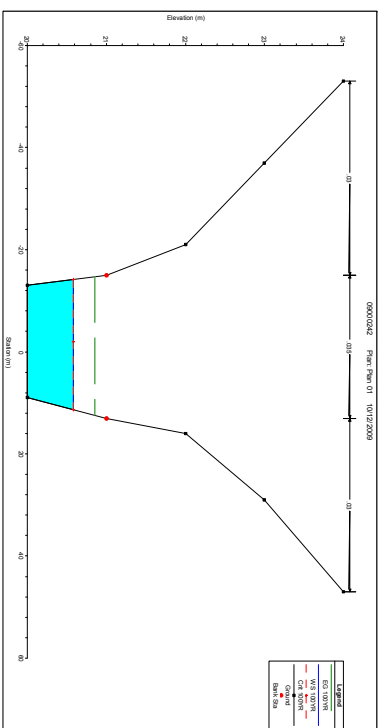
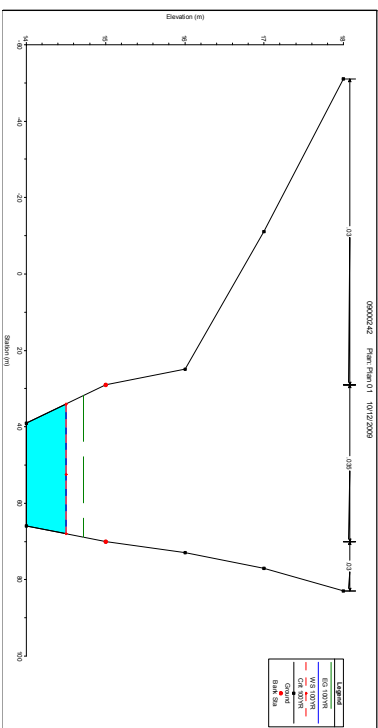


330

330

202

439



REV	DATE	BY	APP.	REVISION	DETAILS	DRAWING STATUS
						DESIGN BY A.J.B. 06/10
						DRAWN BY D.J.M. 06/10
						FINAL APPROVAL J.M.A. 06/10
						SCALE: AS SHOWN
						(on A1 Original)
						DA

North

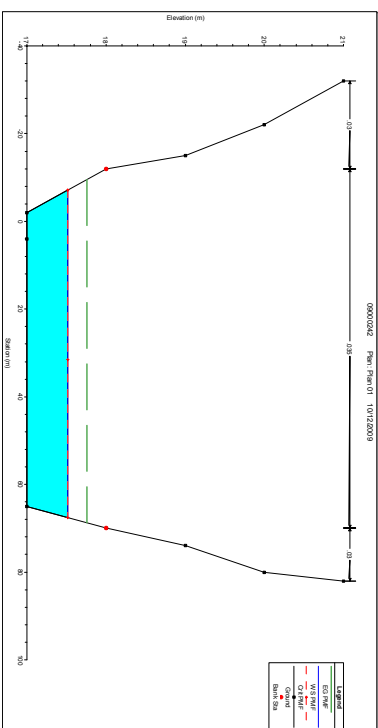
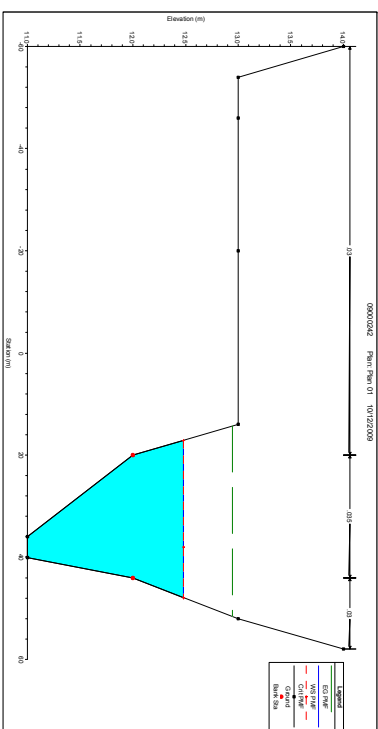
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GENERAL NOTES AND ASSUMPTIONS

- THE CHANNEL SLOPE = 3%
- THE MANNING'S 'n' FOR THE CHANNEL
= 0.030 FOR THE MAIN CHANNEL
= 0.035 FOR THE FLOOD PLAIN AREAS (ie. OUTSIDE THE MAIN CHANNEL)
- THE FLOW THROUGH ALL OF THE CROSS-SECTIONS (ie. THROUGH THE ENTIRE PROPERTY) WAS ASSUMED TO BE THE TOTAL COMBINED RUNOFF FROM ALL THREE CATCHMENT AREAS (CATCHMENTS 1, 2 AND 3).
- CROSS SECTION '0' DOWNSTREAM OF THE PROPERTY ON DOGGY CREEK ROAD (ie. THE ROAD PAVEMENT AND THE 375mmØ PIPE UNDER THE ROAD) WAS CONSIDERED IN THE MODEL. IT WAS FOUND TO HAVE NO EFFECT ON THE FLOOD WATERS WITHIN THE PROPERTY ITSELF.

THIS FLOOD STUDY IS BASED ON A DESKTOP STUDY OF THE UPSTREAM CATCHMENT AREA AND THE SITE ITSELF. THE ACCURACY OF THIS FLOOD STUDY IS CONTROLLED BY THE LEVEL OF DETAIL OBTAINABLE FROM THE DESKTOP STUDY. ANY RESULTS, ASSUMPTIONS OR CONCLUSIONS PROVIDED ON THIS PLAN ARE SUITABLE ONLY FOR PLANNING PURPOSES AND SHOULD NOT BE USED FOR ANY OTHER REASON.

PMF FLOOD EVENT CROSS-SECTIONS

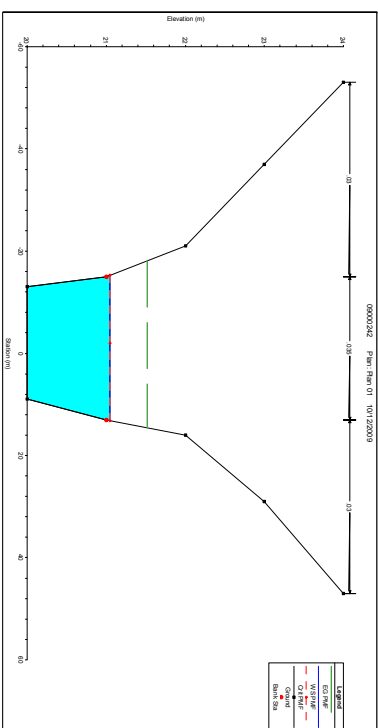
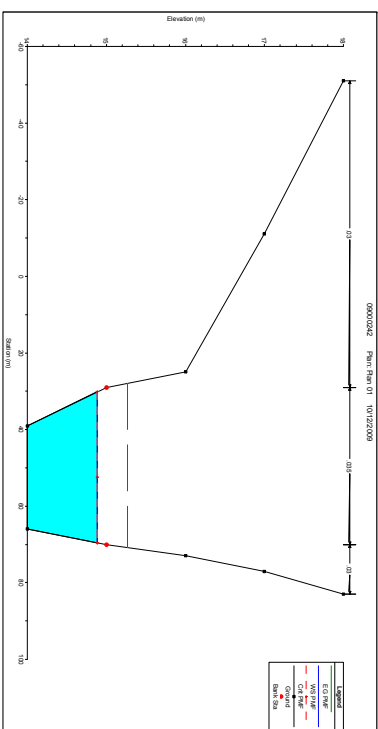


101

101

202

202




SEEC

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PROJECT TITLE	PROJECT NO.
PROJECT LOCATION	PROJECT DATE
PROJECT DESCRIPTION	PROJECT STATUS
PROJECT OBJECTIVES	PROJECT RESULTS
PROJECT CHALLENGES	PROJECT LESSONS
PROJECT RECOMMENDATIONS	PROJECT CONTACT

PROPOSED SUBDIVISION OF LOT 101 DP 1087389 MILLINGANDI ROAD MILLINGANDI	DRAWING TITLE FLOOD EXTENTS AND CATCHMENT PLANS	
	PROJECT NO. 09000242	SHEET NO. FS02