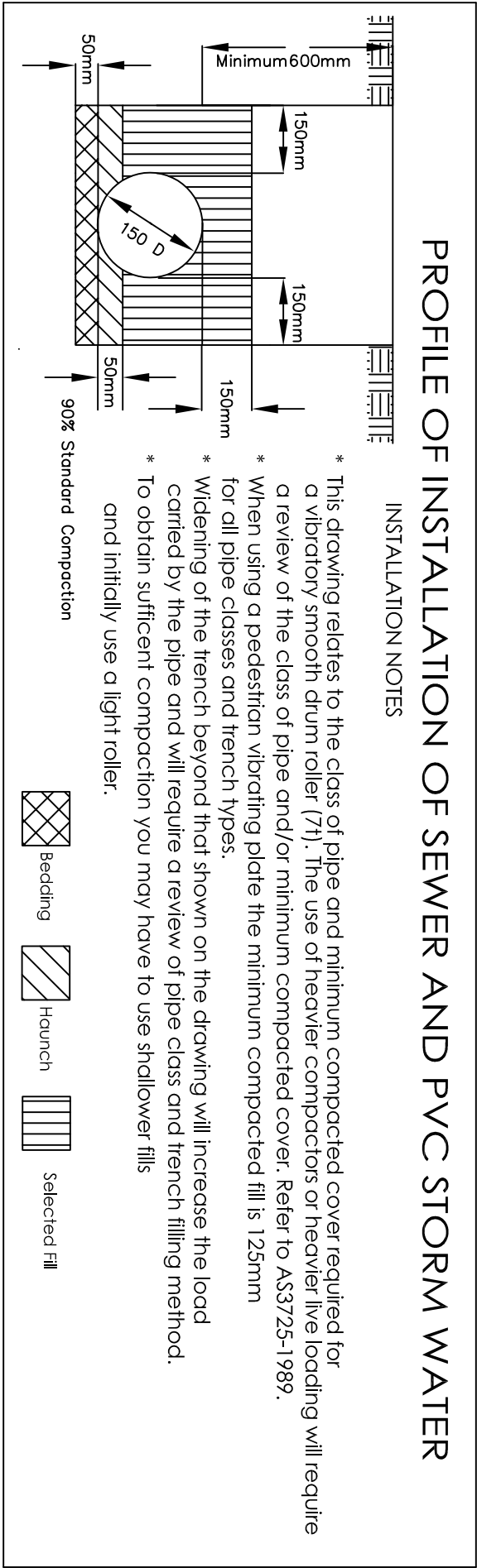


STORM WATER LINE No.1

H=1:500 V=1:100

STORM WATER LINE No.2

H=1:500 V=1:100



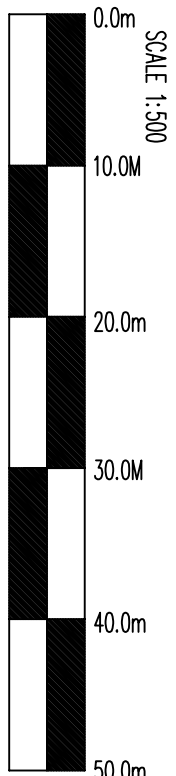
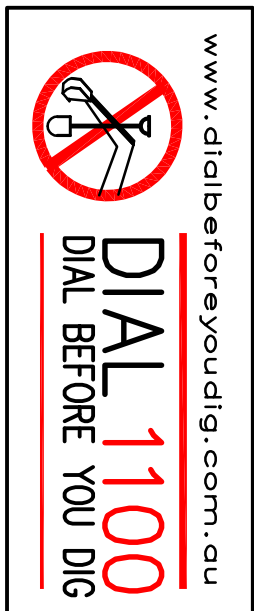
HYDROLOGICAL DESIGN SHEET

PIT	LAND USE	FLOW LENGTH	SLOPE	$\frac{1}{n}$	TIME	TIME	INTENSITY	CODE	COEFF	AREA	C.A	SUM AREA	Q	BY PASS	TOTAL FLOW	GUTTER SLOPE	FLOW WIDTH	PIT TYPE	LINTEL	INFLOW	BY FLOW	BY PIT	REMARKS
2/1	3	m 11	% 1	$\frac{1}{n}$ 0.010 2.380	min 5	min 107	mm/h 107	9 8	0.950 0.901	ha 0.002	ha 0.002	ha 0.002	L/s 8		L/s 8	% 1	m 1.58	GSIP	0.6	8		2/2	
2/2	3	43	1	0.010 3.749	5	107	107	8	0.901	0.061	0.055	0.055	16		16	1	2.429	GSIP	0.6	16		2/3	
2/3	3	31	1	0.010 3.361	5	107	107	8	0.901	0.038	0.034	0.034	10		10	1	1.873	GSIP	0.6	10		2/4	
2/4	2	11	7.2	0.010 1.603	5	107	107	9	0.950 0.901	0.051 0.043	0.048 0.039	0.087	26		26	1	3.027	GSIP	0.6	26		2/5	
2/5	3	32	1	0.010 3.397	5	107	107	8	0.901	0.044	0.040	0.04	12		12	1	2.037	GSIP	0.6	12		2/6	
2/6	3	31	1	0.010 3.361	5	107	107	8	0.901	0.039	0.035	0.035	10		10	1	1.902	GSIP	0.6	10		2/7	
2/7	2	11	7.2	0.010 1.603	5	107	107	9	0.950 0.901	0.025 0.043	0.024 0.044	0.068	20		20	1	2.699	GSIP	0.6	20		1/6	
1/1	2	70	1.9	0.060 23.271	20	107	2	0.307	0.070	0.021	0.021	0.068	54		54	1	4.164	GSIP	0.6	54		1/2	
	2	72	0.010 2.999	0.010 4.795	61	107	9	0.950 0.901	0.026 0.045	0.025 0.041	0.024 0.041	0.089	26		26	1	3.015	GSIP	0.6	26		1/3	
1/3	2	11	7.2	0.010 1.603	5.5	107	9	0.950	0.025	0.024	0.024	0.061	18		18	1	2.517	GSIP	0.6	18		1/6	
1/4	4				5.4	107	107	8	0.901	0.041	0.037						9999	JP		ADP		1/6	
1/5	4				5	107	107										9999	JP		ADP		1/6	

PIT	TIME	INTENSITY	AREAS	FLOW	LENGTH	DIAMETER	GRADE	H.C.L.GRADE	VEL	Q/A	HEAD LOSS	VEL CAP	PIPE VEL	PIPE CAP	PIPE TIME	C=C.W. N=MANNNINGS MAX TIME 20 By Pass=0 AREA=SUM C.A REMARKS
LINE 2	5	107	0.027	8	15.9	152	1	0.212	0.434	1.5	0.014	0.942	0.92	17	0.29	
2/1-2/2	5	107	0.081	24	15.9	229	1	0.217	0.576	1.5	0.025	1.238	1.21	51	0.22	
2/3-2/4	5.5	103	0.116	33	15.9	229	1	0.425	0.807	1.5	0.05	1.238	1.31	51	0.2	
2/5-2/6	5.7	102	0.203	58	14.96	305	1	0.276	0.787	1.5	0.047	1.498	1.51	109	0.17	
2/6-2/7	6	99	0.243	77	14.96	305	1	0.386	0.931	1.5	0.066	1.498	1.57	109	0.16	
2/7-1/5	6.2	99	0.346	95	14.96	305	1	0.497	1.056	1.5	0.085	1.498	1.62	109	0.15	
LINE 1	20	60	0.318	54	47.68	305	1	0.239	0.733	1.5	0.041	1.498	1.49	109	0.53	
1/1-1/2	20	60	0.407	69	44.85	305	1	0.392	0.938	1.5	0.067	1.498	1.58	109	0.47	
1/3-1/4	20	60	0.468	79	44.85	305	1	0.517	1.078	1.5	0.089	1.498	1.63	109	0.05	
1/4-1/5	20	60	0.468	79	28.9	305	1	0.517	1.078	1.5	0.089	1.498	1.63	109	0.3	
1/5-1/6	20	60	0.813	137	30.231	305	1.7	1.566	1.875	1.5	0.269	1.954	2.22	143	0.23	

HYDRAULIC DESIGN SHEET

CATCHMENT PLAN



		NAME:		DATE		CHECKED	
		SIGNATURE:		9th Mar, 2025		AG	
		APPROVED BY THE DIRECTOR IN ACCORDANCE WITH THE GENERAL REQUIREMENTS		CAPACITY:		W/C	
		DATE:		DESIGNED		SCALE	
		THIS DRAWING IS NOT TO BE COPIED, OR TRANSFERRED TO ANY OTHER PARTY, STORED IN ANY OTHER STORAGE MEDIUM WITHOUT THE WRITTEN PERMISSION OF C.P.C. AND DEVELOPMENT CONSULTANTS PTY LTD		W/C		SHEET	
A		PRELIMINARY DRAINAGE DESIGN		19th Mar, 2025		A1	
ISSUE		AMENDMENT		DATE		SHEET	
						A1	

GOULBURN: 4823 51001 YOUNG: 6382 1501

THE LAND CONSULTANT SPECIALISTS

www.srdland.com.au

SRD LAND CONSULTING

STORM WATER LONG SECTIONS

HYDRAULICS AND HYDROLOGY

CLIENT

Mr. D. MELLROSS

PROJECT

PROPOSED COMMERCIAL UNIT DEVELOPMENT

323-337 BOOROMA STREET, YOUNG

LOT 2 DP 1202085

ISSUE

A

PROJECT NO.

16596-B

SHEET NO.

2 of 2

SHEET

A1