

GENERAL NOTES

- G1 THESE DRAWINGS SHALL BE READ IN CONJUNCTION WITH ALL OTHER CONSULTANTS DRAWINGS, SPECIFICATIONS AND AS1100 TECHNICAL DRAWING.
- G2 ANY DISCREPANCIES SHALL BE REFERRED TO THE AUTHORISED PERSON FOR DECISION BEFORE PROCEEDING WITH THE WORK.
- G3 DIMENSIONS SHALL NOT BE OBTAINED BY SCALING THE DRAWINGS.
- G4 ANY SET OUT DIMENSIONS SHOWN ON THE DRAWING SHALL BE VERIFIED BY THE BUILDER.
- G5 DURING CONSTRUCTION THE CONTRACTOR SHALL MAINTAIN THE WORKS IN A STABLE CONDITION AND NO PART SHALL BE OVERSTRESSED.
- G6 ALL WORK SHALL COMPLY WITH THE BUILDING CODE OF AUSTRALIA, CONDITIONS OF THE DEVELOPMENT CONSENT AND RELEVANT AUSTRALIAN STANDARD CODES.

DRAINAGE NOTES

- D1 ALL WORKS SHALL BE IN ACCORDANCE WITH AS3500.3
- D2 FOR PIPE DIAMETERS NOT EXCEEDING 150mm, USE:
- VITRIFIED CLAY PIPE TO AS1741 OR - SEWER GRADE UPVC TO AS1260 OR
- CLASS 2 FIBRE REINFORCED CONCRETE TO AS4139
- D3 FOR PIPE DIAMETERS EXCEEDING 150mm, USE: - CLASS 2 REINFORCED CONCRETE PIPE TO AS4058 OR
- CLASS 2 FIBRE REINFORCED CONCRETE PIPE TO AS4139
- D4 PVC PIPES SHALL BE SOLVENT WELDED. ALL OTHER PIPES SHALL BE RUBBER RING JOINTED UNLESS NOTED OTHERWISE.
- D5 UNLESS SPECIFIED OTHERWISE, BED & BACKFILL SHALL BE COMPACTED SAND TO 100mm ABOVE THE PIPE. REMAINDER OF BACKFILL SHALL BE COMPACTED EXCAVATED MATERIAL. WHEN UNDER VEHICULAR PAVEMENT, REMAINDER OF BACKFILL SHALL BE COMPACTED BASECOURSE.
- D6 LOADS ON PIPES DURING CONSTRUCTION SHALL NOT EXCEED THE REQUIREMENT OF AS3725, OR THE RECOMMENDATIONS OF THE PIPE MANUFACTURER.
- D7 TRENCH WIDTHS SHALL BE IN ACCORDANCE WITH AS3500, BUT NOMINALLY THE GREATER OF 1.5 PIPE DIAMETER OR PIPE DIAMETER PLUS 300.

INFILTRATION SIZING

Project 20230025					Location			
					Freshwater	Club		
Area (m2) Design infiltrat		14.0				Nominal /	Absorption rate	
rate (mm/hr)	27	0	Safety f		1	(mm/hr) (ARd)		0.0750
L/m2/s		750	Void Ra	tio	0.20	Infiltration	n Surface (m2) (IS)	400.0
C	0.	90						
Rainfall Intensit	w Table (1		6 H T H	c				,
	Duration		CxIxTxA	CxlxA/3	(L/s)	RdxTx60/1000	Vs(m3) T(h	
Duration (min) ((sec)	(mm∕hr) (l)	Runoff volume (m	3) (R)	Infiltrat	ion Volume (m	3) (IV) Difference Emp	otying time
5	300	237	25.13	83.78		9.000	16.13	60
10	600	193 142	40.94	68.23		18.000	22.94	85
15 20	900 1200	162 139	51.54 58.96	57.27 49.14		27.000 36.000	24.54 22.96	91 85
25	1500	122	64.69	43.13		45.000	19.69	73
30	1800	109	69.36	38.53		54.000	15.36	57
45	2700	84	79.89	29.59		81.000	-1.11	-4
60	3600	69	87.43	24.29		108.000	-20.57	-76
90	5400	52	99.07	18.35		162.000		-233
120	7200	43	108.43	15.06		216.000		-398
180	10800	33	124.08	11.49		324.000	-199.92	-740
270	16200	25	144.31	8.91		486.000		-1266
360	21600	21	162.64	7.53		648.000		-1798
540	32400	17	194.71	6.01		972.000		-2879
720	43200	15	222.96	5.16		1296.000		-3974
1080	64800	12	270.30	4.17		1944.000		-6199
1440	86400	10	308.48	3.57		2592.000		-8457
1800	108000	9	342.84	3.17		3240.000		10730
2160 2880	129600 172800	8 7	371.09 415.99	2.86 2.41		3888.000 5184.000		13026 17659
4320	259200	5	473.71	1.83		7776.000		27046
5760	345600	4	505.78	1.46		10368.000		36527
7200	432000	3	522.28	1.40		12960.000		46066
8640	518400	3	531.44	1.03		15552.000		55632
10080	604800	2	532.35	0.88		18144.000		65228
ABSORPTION T	RENUT SI	SIEPI LALL	ULATIONS					
NO OF PITS				10				
STORAGE VOLU	JME OF E	ACH PIT		0.35	m ³			
TOTAL LENGTH	I OF JUME	30 PIPES		12 п	n I			
WIDTH OF EACH TRENCH			0.6					
TOTAL LENGTH OF TRENCHES			400 240	m,				
TOTAL TRENCH AREA								
JUMBO PIPE DIAMETER			0.41					
ASSUMED VOID RATIO OF GRAVEL BACKFILL			20 9	%				
THICKNESS OF GRAVEL LAYER ABOVE JUMBO			0.2	m				
THICKNESS OF GRAVEL LAYER BELOW JUMBO			0.25					
STORAGE CAPACITY OF 410 JUMBO PIPES			1.58					
			ABOVE JUMBO	9.60				
			BELOW JUMBO		0 m ³			
TOTAL STORAG				3.46	č " š			
			-					
TOTAL AVAILABLE STORAGE VOLUME				26.6	94 m ³			

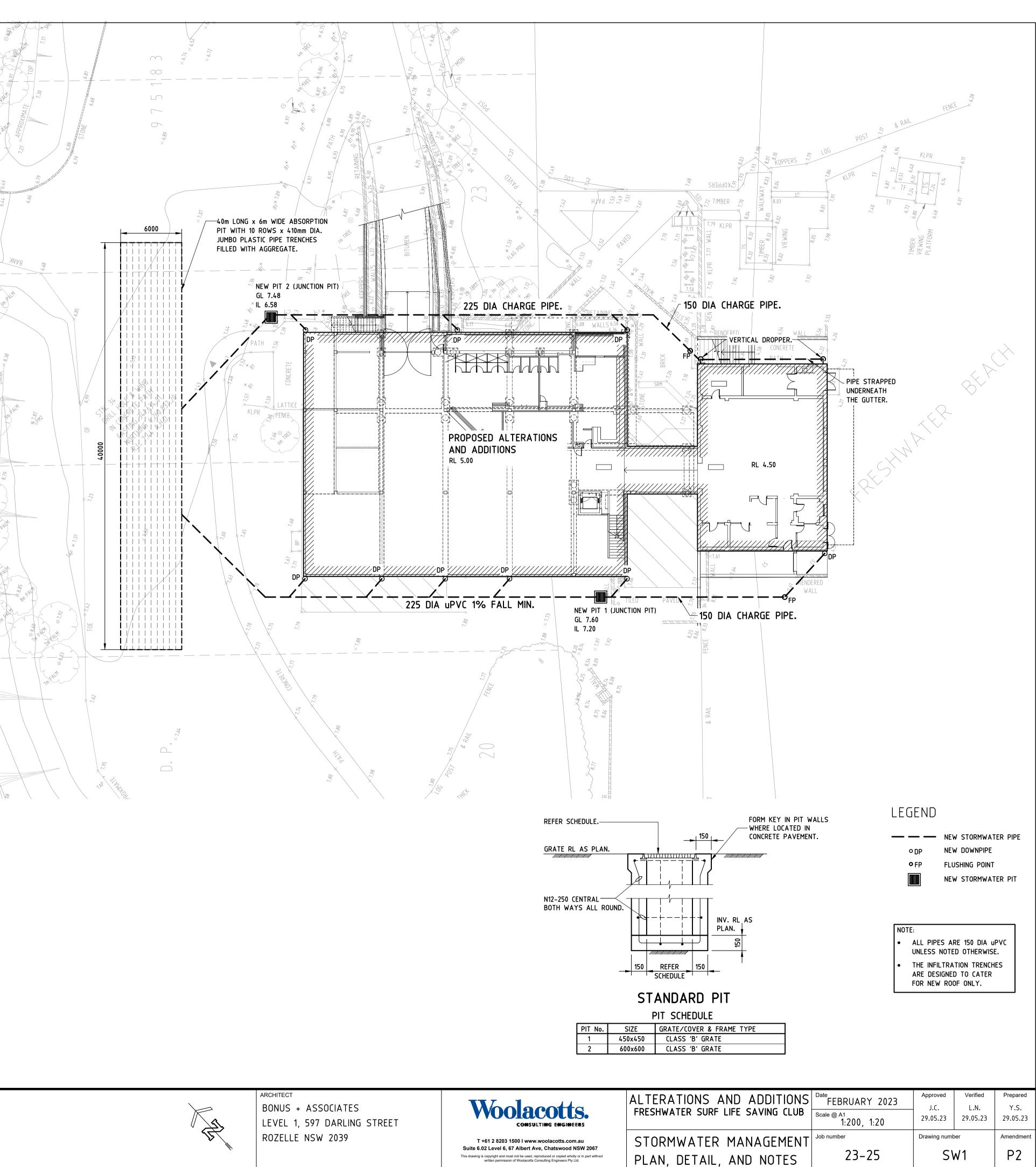
PROGRESS

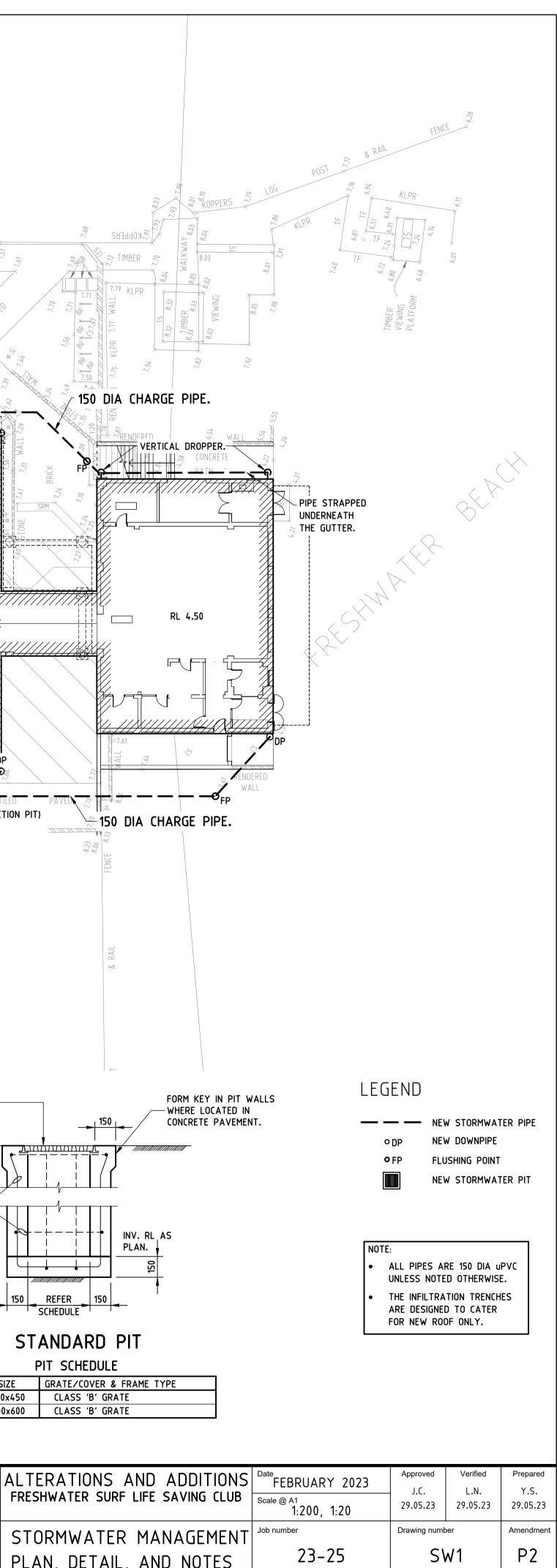
PRINT

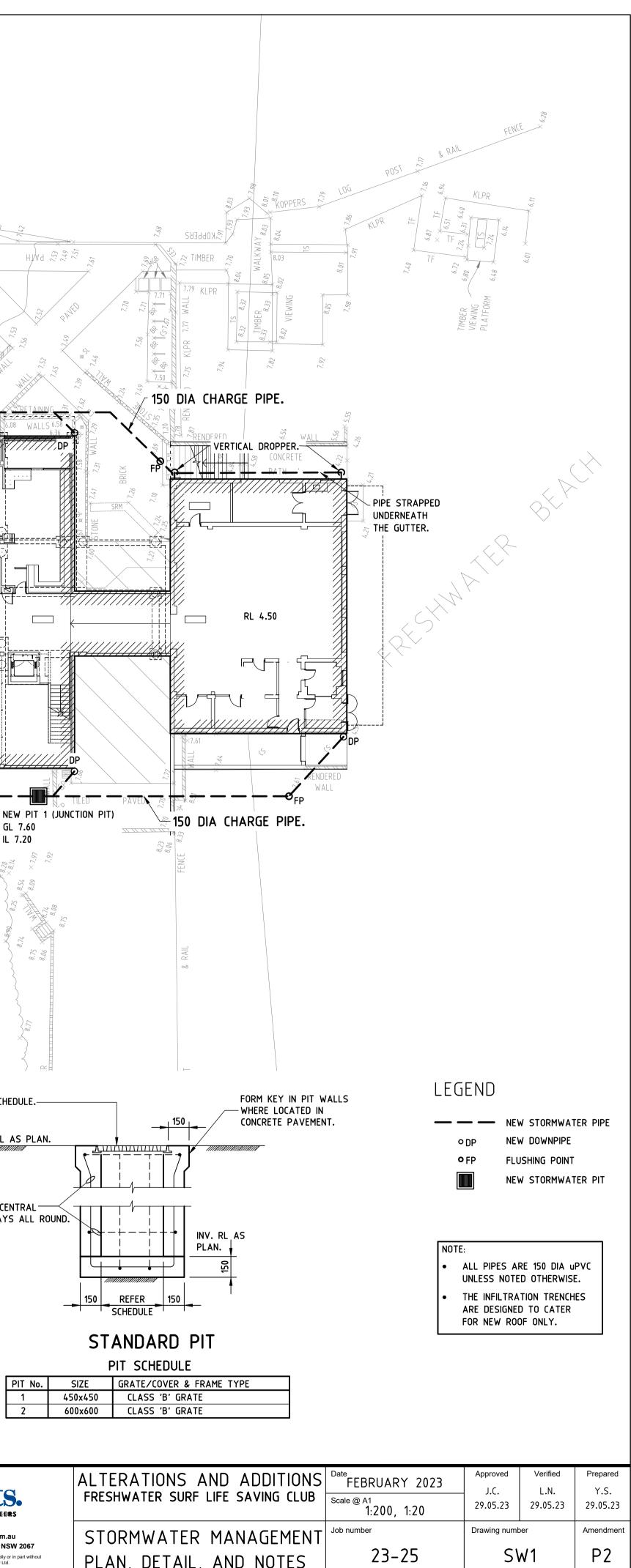
No. Date Description Ver. Appr. LN JC P1 22.02.23 DRAFT ISSUE 2 28.06.23 DRAFT ISSUE LN JC

EROSION CONTROL NOTES

- E1 INSTALL SILT FENCES ON LOW SIDE OF SITE AND AS REQUIRED BY LOCAL COUNCIL PRIOR TO COMMENCEMENT OF TOPSOIL STRIPPING.
- E2 INSTALL DRAINAGE SYSTEM AND SILT FENCES AROUND PITS AS SOON AS PRACTICABLE.
- E3 REINSTATE GRASS COVER AS SOON AS PRACTICABLE.

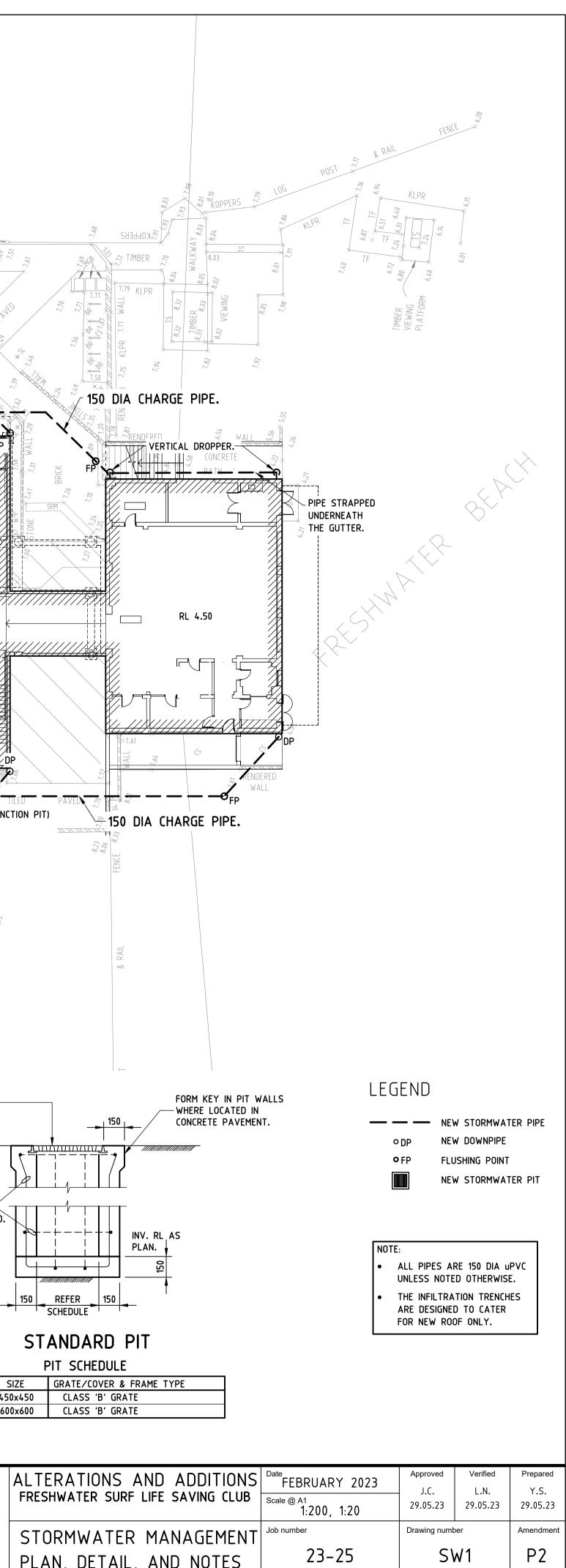






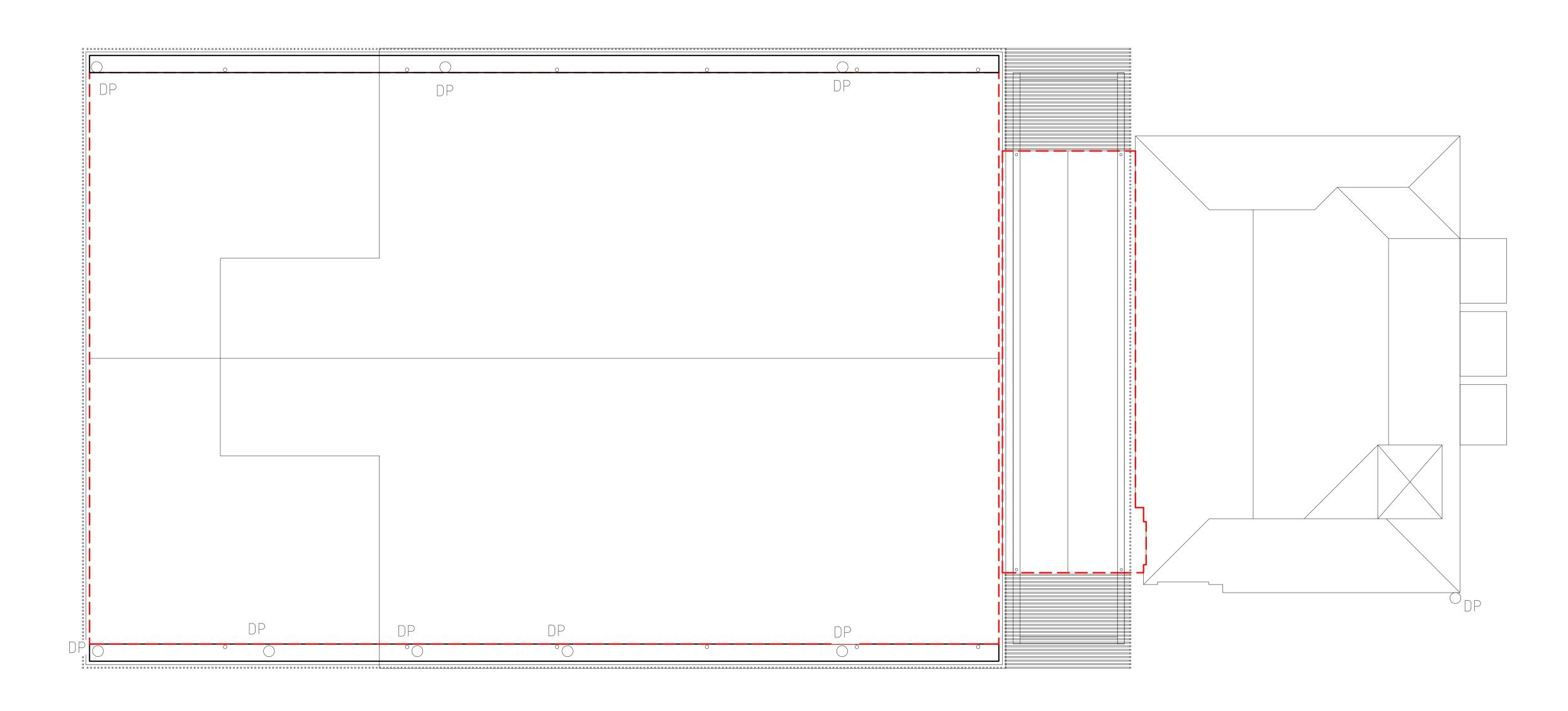


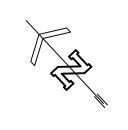




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No.	Date	Description	Ver.	Appr.	
P1	22.02.23	DRAFT ISSUE	LN	JC	
P2	28.06.23	DRAFT ISSUE	LN	JC	1
					1
					1
					1

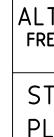






ARCHITECT BONUS + ASSOCIATES LEVEL 1, 597 DARLING STREET ROZELLE NSW 2039







O DP NEW DOWNPIPE

TERATIONS AND ADDITIONS	Date FEBRUARY 2023	Approved	Verified	Prepared	
RESHWATER SURF LIFE SAVING CLUB	Scale @ A1	J.C.	L.N.	Y.S.	
	1:100	29.05.23	29.05.23	29.05.23	
TORMWATER MANAGEMENT	Job number	Drawing number		Amendment	
	23-25	SW2		P2	
LAN – ROOF				• 6	