# STORMWATER MANAGEMENT PLAN



Con Katsoulas BE (Civil), MIEAust, CPEng No. 449924

### SHEET INDEX:

SHEET No.	TITLE	AMMENDMENT No.
1	INDEX SHEET	0
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5	EROSION AND SEDIMENT CONTROL PLAN	0

# FOR DA APPROVAL

SURVEYOR 0	DA ISSUE		30/03/24			C.K. ENGINEERING SERVICES	CLIENT:	DRAWING TITLE:	DRAWN: S.C. SIG	GNED: DATE: MARCH 2024
- ARCHITECT PARAMOUNT PLANNING AND						ABN 67 115 216 496 49 FLORA ST	PARAMOUNT PLANNING AND CONSTRUCTION	STORMWATER DETAIL PLAN	DESIGNED: C.K.	SCALE: AS SHOWN
CONSTRUCTION						ROSELANDS, NSW 2196	PROJECT:		CHECKED: C.K.	DATUM: AHD
CONSULTANT No	).	AMMENDMENT	DATE N	o. AMMENDMENT DO NOT SCALE	DATE	MOB: 0403 329 327 EMAIL: ckatsoulas@gmail.com	6 COWLAND AVENUE EAST HILLS		JOB & DRAWING No:	242421 No. IN SET: 1 OF 5 ISSUE: 0

# 6 COWLAND AVENUE EAST HILLS

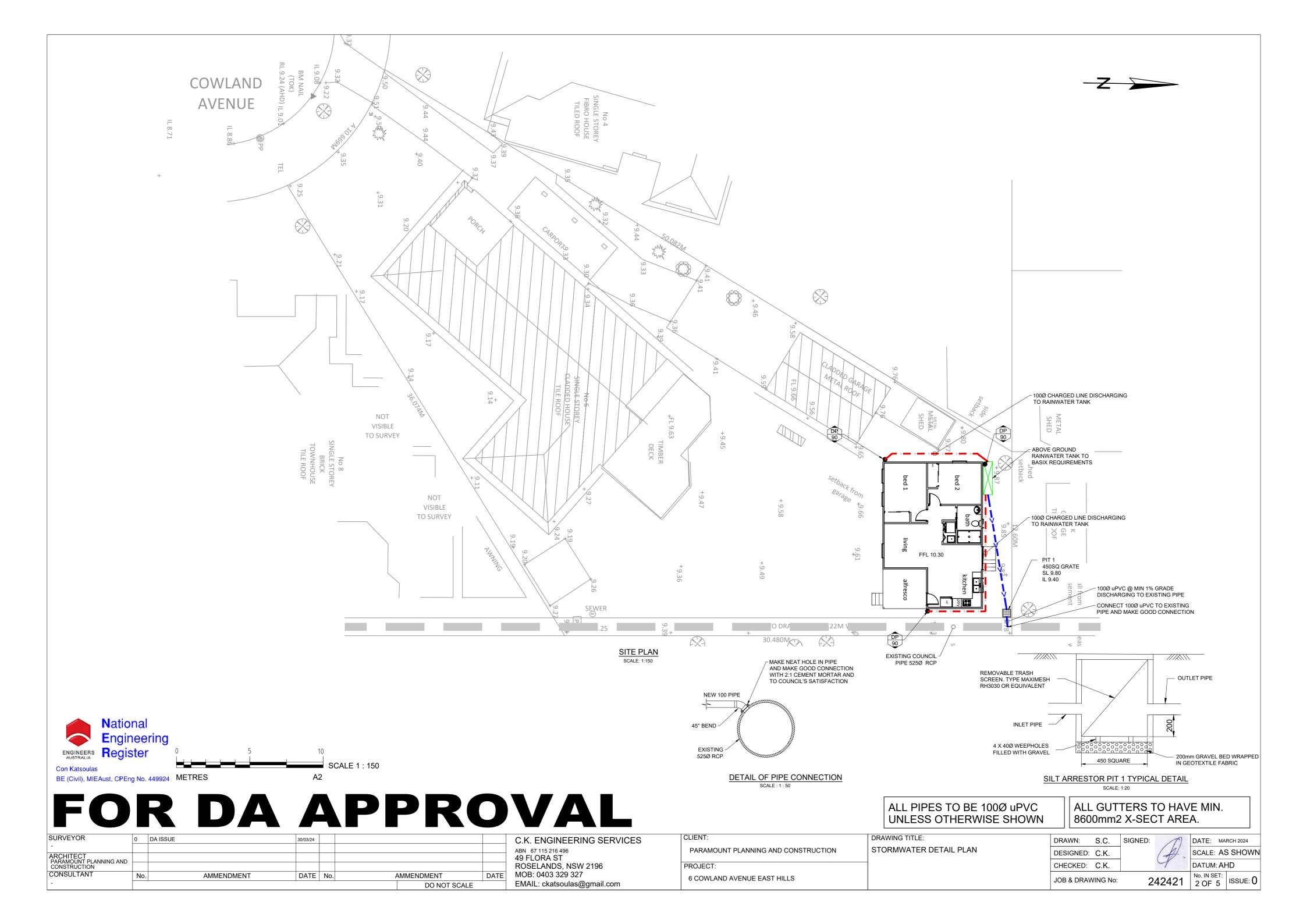
### LEGEND

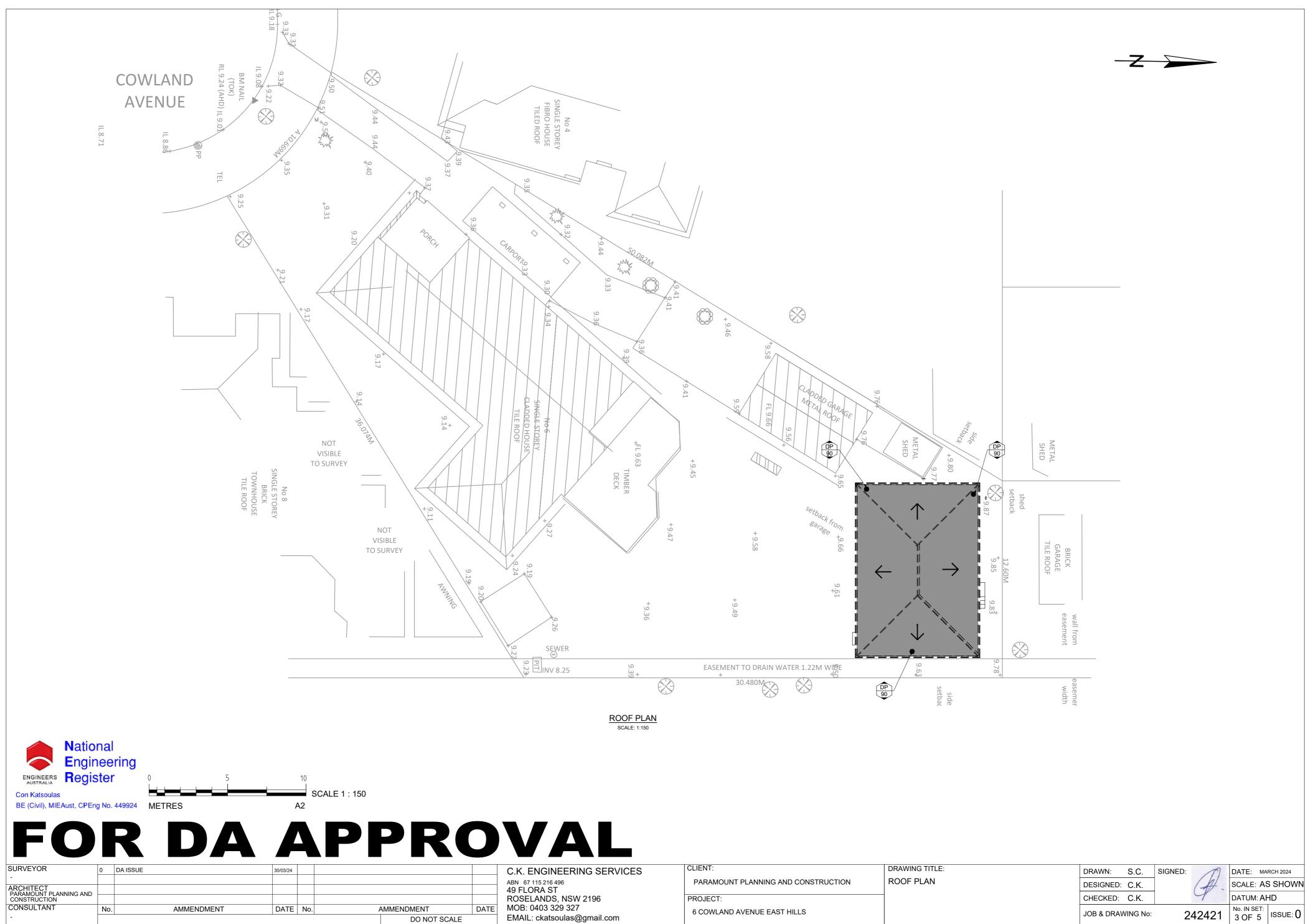
lo.	$\Rightarrow$	FLOWPATH	5.
		FLOOR WASTE	6.
	<b>]</b> ●FS-2	FLOW SPREADER AND DOWNPIPE TYPE 2	7.
		PROPOSED GRATED PIT	-
		PROPOSED SEALED WATER TIGHT PIT	8.
	— — <u>&gt;</u> —	PROPOSED STORMWATER PIPE - GRAVITY	
	<u> </u>	PROPOSED V-DR/HLLS	9.
	c c	PROPOSED STORMWATER PIPE - CHARGED	10
		PROPOSED RISING MAIN (PRESSURE PIPE)	
	ss ss ss	PROPOSED SUBSOIL DRAIN	
		PROPOSED BUILDING	11
		PROPOSED BASEMENT CHANNEL	
	RH	RAINHEAD	12
	Su	SUMP OVERFLOW	13
	IL 4.65	PIT INVERT LEVEL	
		GRATED DRAIN	
	+ 48.34	EXISTING SURFACE LEVEL	
	+ 30.99	PROPOSED SURFACE LEVEL	
	• IP	SEALED INSPECTION OPENING	
	DP-1	DOWNPIPE - TYPE 1	
		BASIX ROOF AREA DRAINING TO RAINWATER TA	٨NK
	<i>[</i> 222]	AREA BYPASSING ON-SITE DETENTION TANK	

### NOTES:

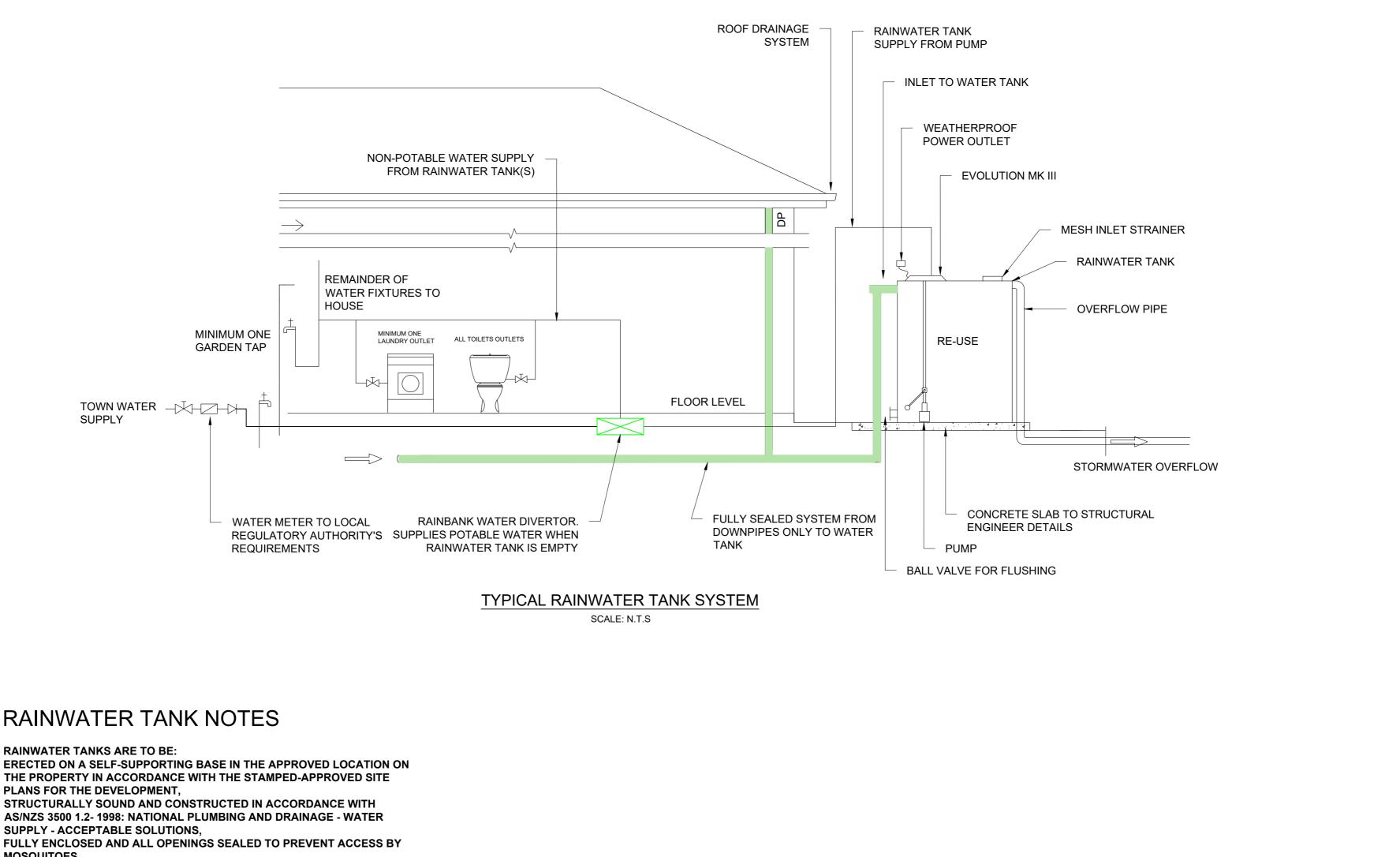
- 1. ALL PROPOSED PITS TO BE 450 x 450 CAST IN-SITU
- OR PRECAST PITS UNLESS SHOWN OTHERWISE. 2. ALL CHARGED LINE PIPES TO BE 1000 uPVC SEWER
- CLASS UNLESS SHOWN OTHERWISE 3. ALL DOWNPIPES TO BE 90Ø uPVC OR 100 x 50
- UNLESS OTHERWISE SHOWN 4. ALL NON-PRESSURE STORMWATER PIPES TO BE
- 100Ø uPVC UNLESS SHOWN OTHERWISE
   ALL GRATED DRAINS TO BE MINIMUM 150 WIDE GALVANIZED HEAVY DUTY GRATES.
- ALL NON-TRAFFICABLE PITS TO BE LIGHT DUTY. PITS IN TRAFFICABLE AREAS TO BE HEAVY DUTY.
- ALL WORK SHALL BE CARRIED OUT IN ACCORDANCE WITH COUNCILS SPECIFICATIONS.
- ALL PITS GREATER THAN 1.2m DEPTH SHALL INCLUDE STEP IRONS AND HAVE MINIMUM CLEAR DIMENSIONS OF 600 x 600.
- 9. ALL PITS ARE TO BE BENCHED TO ALLOW SMOOTH FLOW OF WATER THROUGH PITS
- 10. ALL DOWNPIPES SHALL CONFORM TO AS/NZS 1866 FOR ALUMINIUM PIPES AND AS 1254, AS/NZS 1260, AS 1273, AS/NZS 1477, AS/NZS 2179.2 AND AS 2032 FOR uPVC PIPES.
- 11. ALL BOX GUTTERS SHALL COMPLY WITH AS/NZS 2179.1
- 12. ALL BOX GUTTERS SHALL BE CONSTRUCTED WITH A MINIMUM 1:200 GRADE TO SUMP/DOWNPIPES
- 13. ALL DRAINAGE WORKS SHALL BE IN ACCORDANCE WITH AS 3500.3.2

	DOWNPIPE SIZES				
DOWNFIFETTFE	ROUND	RECTANGULAR			
1	90Ø	100 X 75			
2	100Ø	100 X 75			
3	125Ø	100 X 100			
4	150Ø	150 X 150			





IENT:	DRAWING TITLE:	DRAWN:	S.C.	SIGNED:	M	DATE: N	IARCH 2024	
PARAMOUNT PLANNING AND CONSTRUCTION	ROOF PLAN	DESIGNED:	C.K.	(-	H.	SCALE: A	AS SHOWN	
OJECT:		CHECKED:	C.K.	0	1	DATUM: A	AHD	
COWLAND AVENUE EAST HILLS		JOB & DRAV	VING No:	242	421	No. IN SET 3 OF 5	issue: 0	



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## **RAINWATER TANK NOTES**

RAINWATER TANKS ARE TO BE:

ERECTED ON A SELF-SUPPORTING BASE IN THE APPROVED LOCATION ON THE PROPERTY IN ACCORDANCE WITH THE STAMPED-APPROVED SITE PLANS FOR THE DEVELOPMENT,

AS/NZS 3500 1.2- 1998: NATIONAL PLUMBING AND DRAINAGE - WATER SUPPLY - ACCEPTABLE SOLUTIONS,

FULLY ENCLOSED AND ALL OPENINGS SEALED TO PREVENT ACCESS BY MOSQUITOES,

FITTED WITH A FIRST FLUSH DEVICE,

FITTED WITH A TRICKLE SYSTEM TO TOP UP FROM MAINS WATER,

WATER'S "PLUMBING REQUIREMENTS INFORMATION FOR RAINWATER

PROVIDED WITH AN AIR GAP, AND INSTALLED BY A LICENSED PLUMBER IN ACCORDANCE WITH SYDNEY

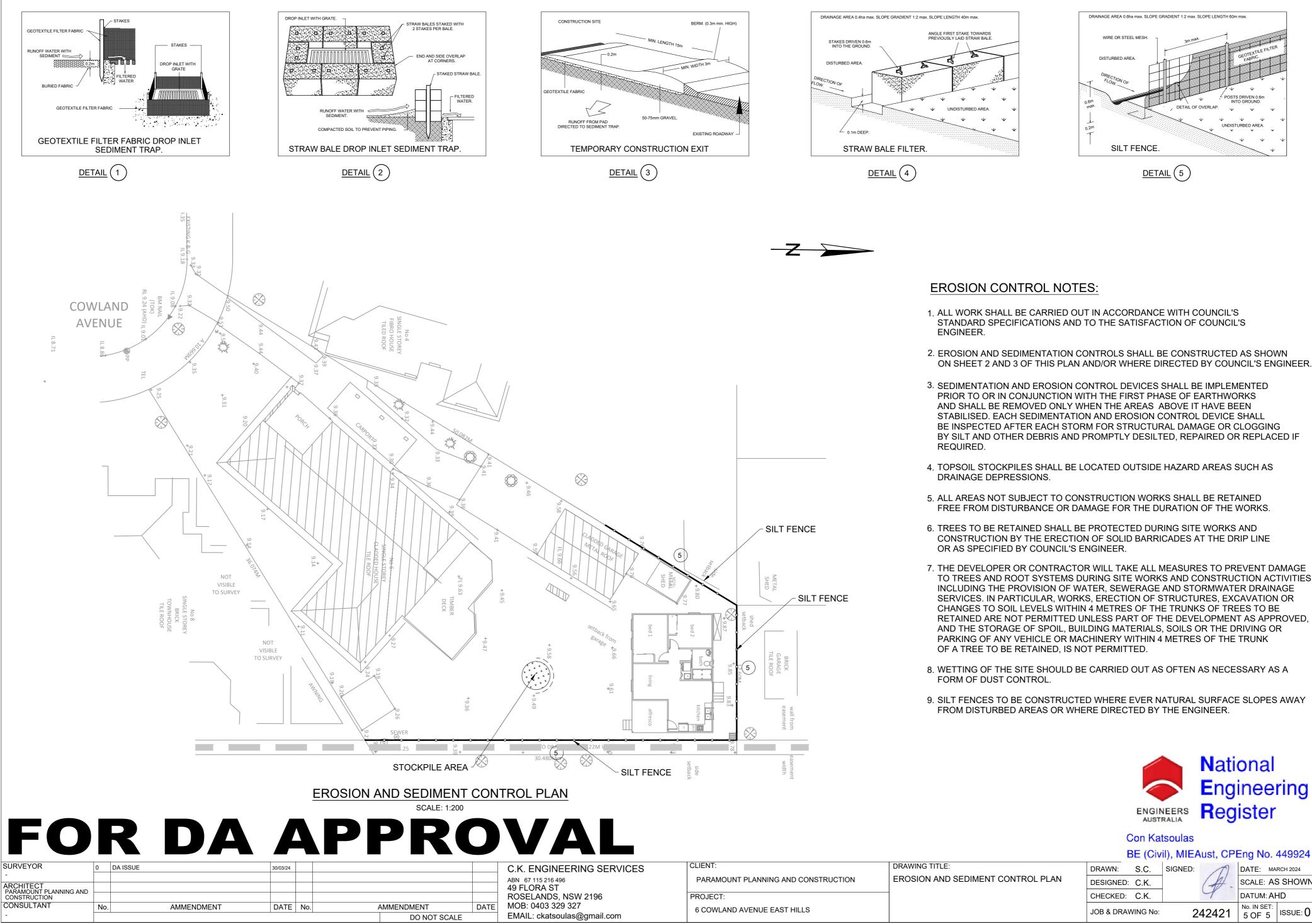
National Engineering ENGINEERS Register

TANK SUPPLIERS AND PLUMBERS APRIL 2003" AND THE NSW CODE OF PRACTICE: PLUMBING AND DRAINAGE. **Con Katsoulas** BE (Civil), MIEAust, CPEng No. 449924

#### FOR DA APPROVAL SURVEYOR CLIE DA ISSUE C.K. ENGINEERING SERVICES 30/03/24 PA ABN 67 115 216 496 ARCHITECT PARAMOUNT PLANNING AND CONSTRUCTION 49 FLORA ST PRO ROSELANDS, NSW 2196 CONSULTANT AMMENDMENT MOB: 0403 329 327 AMMENDMENT DATE No. DATE No.

DO NOT SCALE

CLIENT:	DRAWING TITLE:	DRAWN:	S.C.	SIGNED:	M	DATE: MA	RCH 2024
PARAMOUNT PLANNING AND CONSTRUCTION	RAINWATER TANK DETAILS	DESIGNED:	C.K.		(#.	SCALE: A	S SHOWN
PROJECT:		CHECKED:	C.K.			DATUM: A	HD
6 COWLAND AVENUE EAST HILLS		JOB & DRAV	WING No:	2	42421	No. IN SET: 4 OF 5	ISSUE: 0



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IENT:	DRAWING TITLE:	DRAWN:	S.C.	SIGNED:	M	DATE: MA	RCH 2024
PARAMOUNT PLANNING AND CONSTRUCTION	EROSION AND SEDIMENT CONTROL PLAN	DESIGNED	: C.K.		(#.	SCALE: AS	S SHOWN
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