22 RAVEN CIRCUIT, WARRIEWOOD STORMWATER MANAGEMENT PLANS

STORMWATER DESIGN NOTES

- 1. ALL DRAINAGE WORKS ARE TO BE IN ACCORDANCE WITH AS/NZS 3500.3 STORMWATER DRAINAGE, NORTHERN BEACHES COUNCIL PART 1 CONSOLIDATED STORMWATER MANAGEMENT POLICY AND THE LATEST BASIX CERTIFICATE (IF APPLICABLE).
- 2. THE SITE AREA = 362.3 m2
- TOTAL SITE EXISTING IMPERVIOUS AREA = 0 m2 (0%)
- TOTAL SITE PROPOSED IMPERVIOUS AREA = 178 m2 (50%)
- 3. RAINWATER TANK IS REQUIRED FOR THIS DEVELOPMENT BASED ON A DESKTOP ASSESSMENT OF NORTHERN BEACHES COUNCIL PART 1 CONSOLIDATED STORMWATER MANAGEMENT POLICY.
- 4. OSD IS REQUIRED FOR THE DEVELOPMENT BASED ON A DESKTOP ASSESSMENT OF NORTHERN BEACHES COUNCIL PART 1 CONSOLIDATED STORMWATER MANAGEMENT POLICY.
- 5. THE POINT OF DISCHARGE FOR THE DEVELOPMENT SHALL BE VIA EXISTING KERB AND GUTTER CONNECTION.

ABBREVIATIONS

LEVELS

FFL	FINISHED FLOOR LEVEL
IL	INVERT LEVEL
RL	REDUCED LEVEL
H/L	HIGH LEVEL
L/L	LOW LEVEL
+	NEW REDUCED LEVEL
×	EXISTING LEVEL
AHD	AUSTRALIAN HEIGHT DATUM
0ED	OVEDLAND ELOW DATH

OFP OVERLAND FLOW PATH

SSL STRUCTURAL SLAB LEVEL

SRZ STRUCTURAL ROOT ZONE

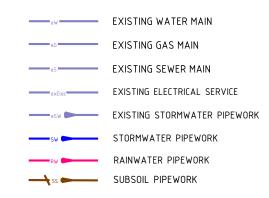
TRZ TREE ROOT ZONE

TRZ TREE ROOT ZONE
UNO UNLESS NOTED OTHERWISE

FIXTURES

RW0	RAINWATER OUTLET
SWP	STORMWATER PIT (GRATE/SEALED)
PB0	PLANTER BOX OUTLET
CO	CLEAR OUT
GD	GRATED TRENCH DRAIN
RWT	RAINWATER TANK
KIP	KERB INLET PIT

SERVICES LEGEND







SITE LOCALITY PLAN

	PRAWING LIST
DRAWING NUMBER	DRAWING NAME
2025H0026-SW01	COVER SHEET, NOTES & LEGEND
2025H0026-SW02	SEDIMENT AND EROSION CONTROL PLAN
2025H0026-SW03	CATCHMENT PLAN
2025H0026-SW04	GROUND FLOOR PLAN
2025H0026-SW05	DETAILS SHEET 01
2025H0026-SW06	DETAILS SHEET 02

ROOF DRAINAGE FIXTURES

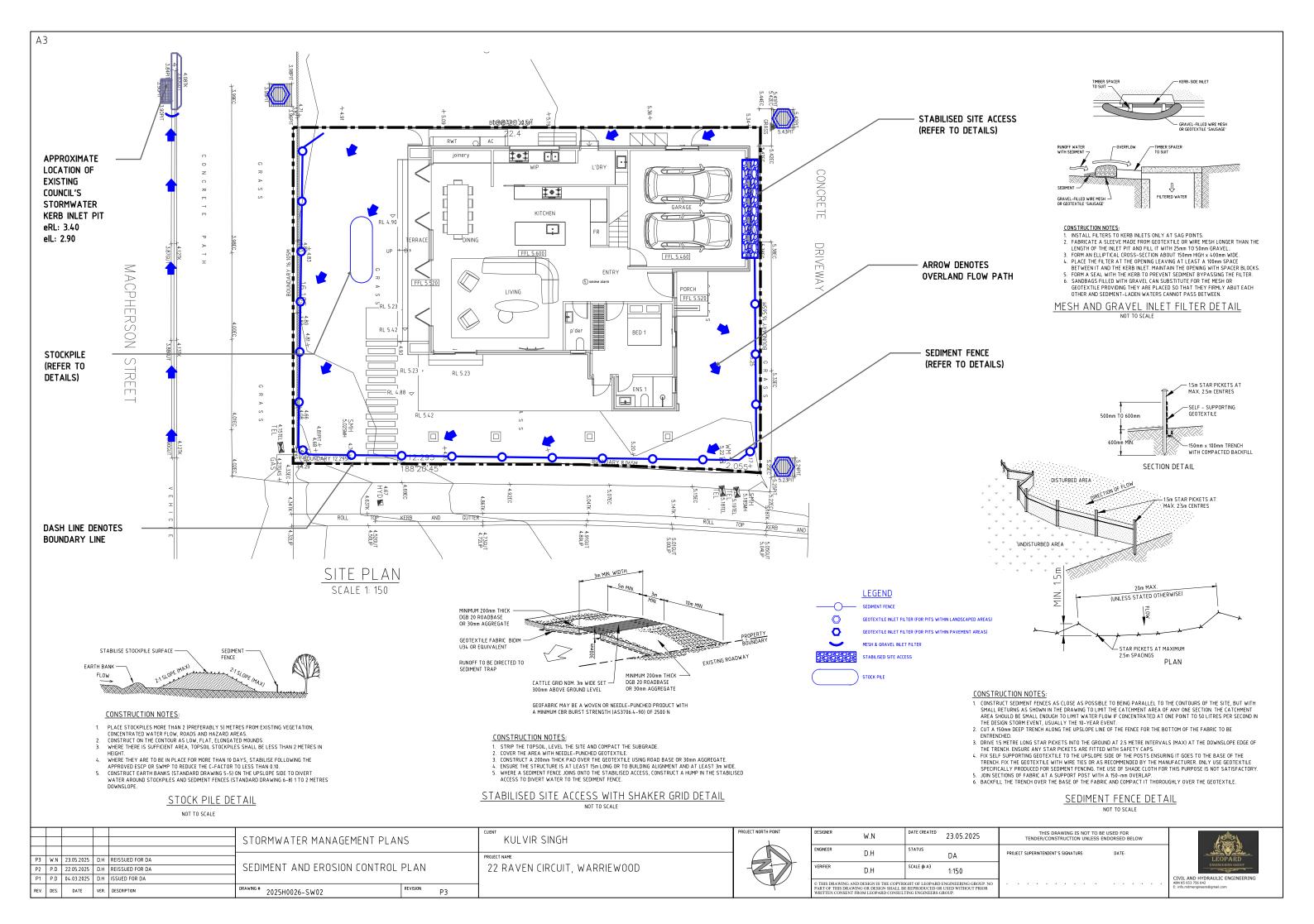
RHS	RECTANGULAR HOLLOW SECTION
0/F	OVERFLOW
SP	SPREADER
DP	DOWN PIPE
RH	RAINWATER HEAD
В0	BALCONY OUTLET

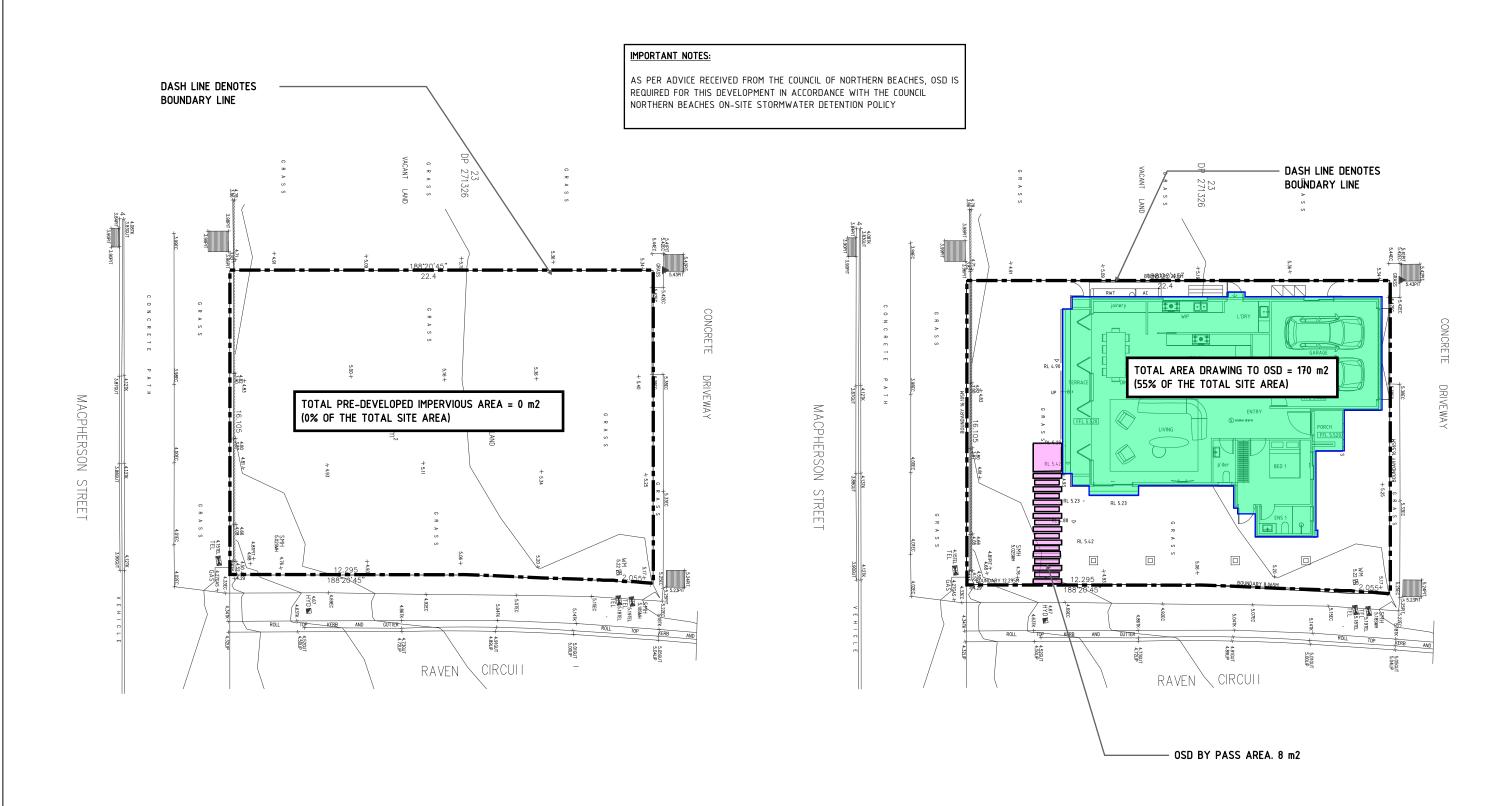
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ı	P2	P.D	22.05.2025	D.H	REISSUED FOR DA
I	P1	P.D	04.03.2025	D.H	ISSUED FOR DA
	REV.	DES.	DATE	VER.	DESCRIPTION

STORMWATER MANAGEMENT PLAN	IS	KULVIR SINGH	PROJECT NO
COVER SHEET, NOTES & LEGEND		PROJECT NAME 22 RAVEN CIRCUIT, WARRIEWOOD	
DRAWING # 2025H0026-SW01	REVISION P3		

DESIGNER	W.N	DATE CREATED	23.05.2025	THIS DRAWING IS NOT TO BE USED FOR TENDER/CONSTRUCTION UNLESS ENDORSED BELOW			
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verifier D.H		SCALE @ A3	AS SHOWN				
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PRE-DEVELOPED IMPERVIOUS CATCHMENT PLAN

SCALE 1:200

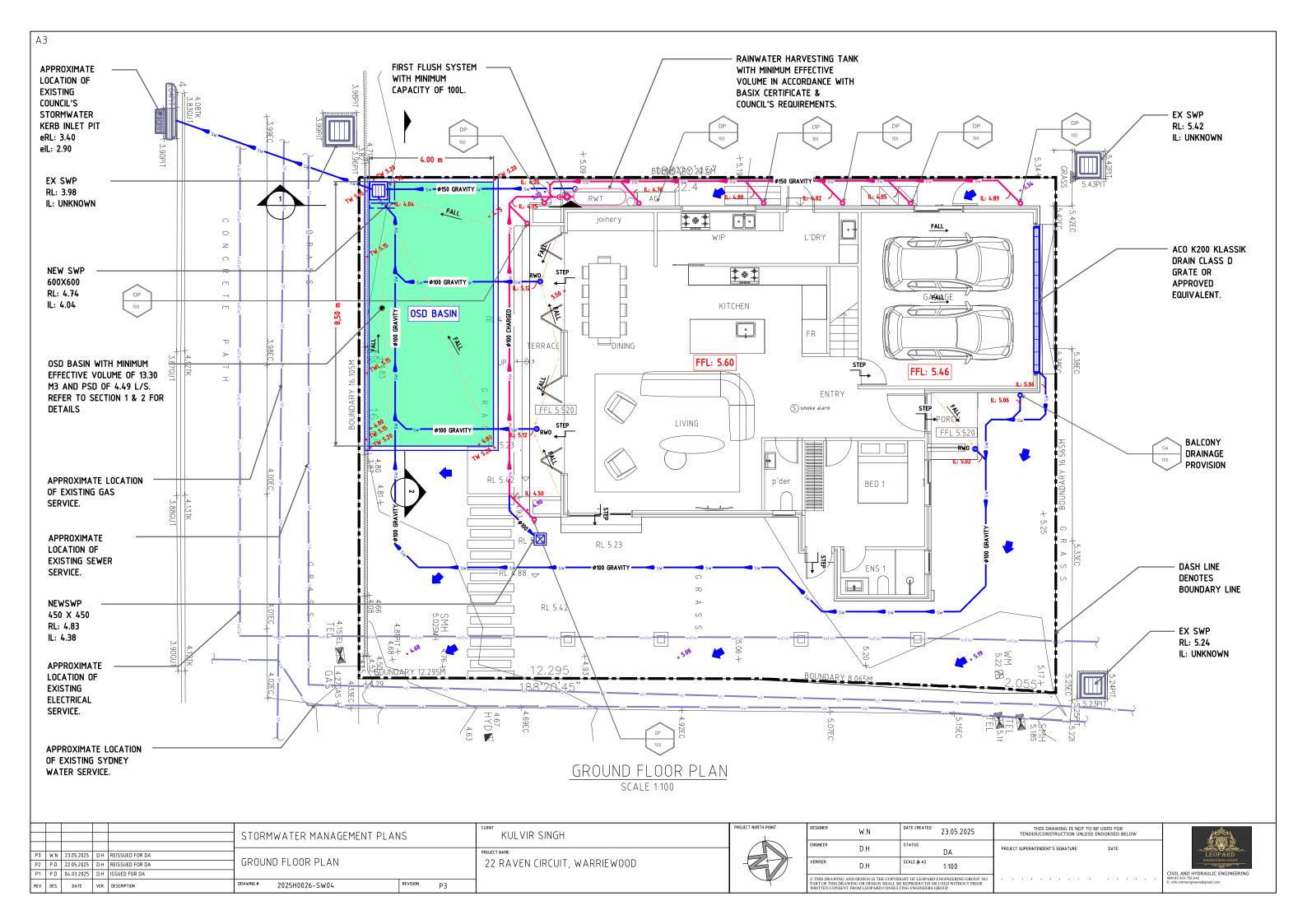
POST-DEVELOPED IMPERVIOUS CATCHMENT PLAN

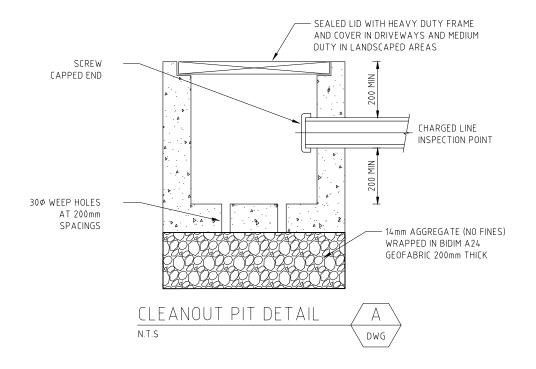
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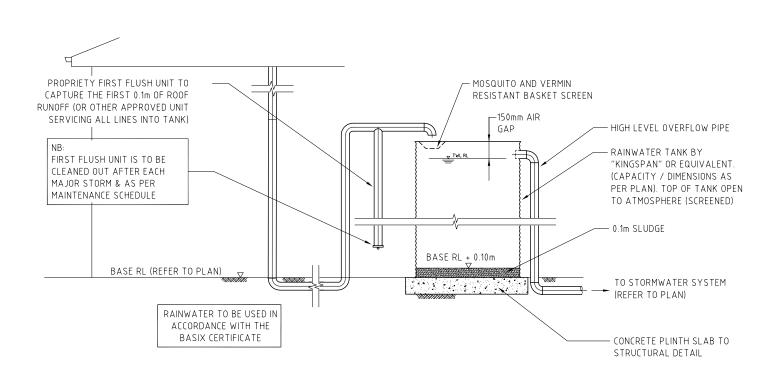
					STORMWATER MANAGEMENT PLA	ANS	KULVIR SINGH	PROJECT NORTH POINT
	W.N P.D			REISSUED FOR DA REISSUED FOR DA	CATCHMENT PLAN		PROJECT NAME 22 RAVEN CIRCUIT, WARRIEWOOD	
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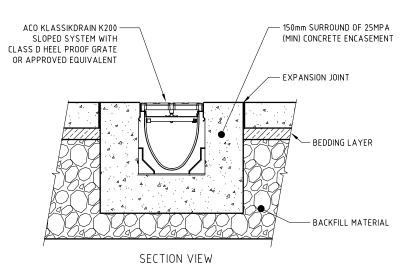




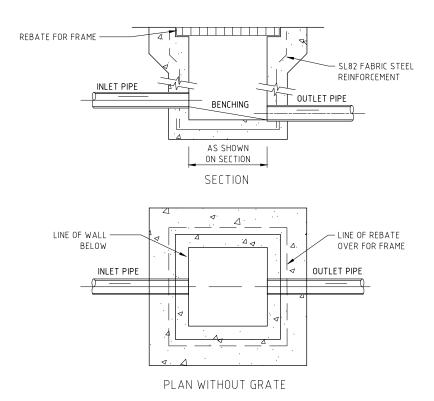




ABOVE GROUND RAINWATER STORAGE TANK



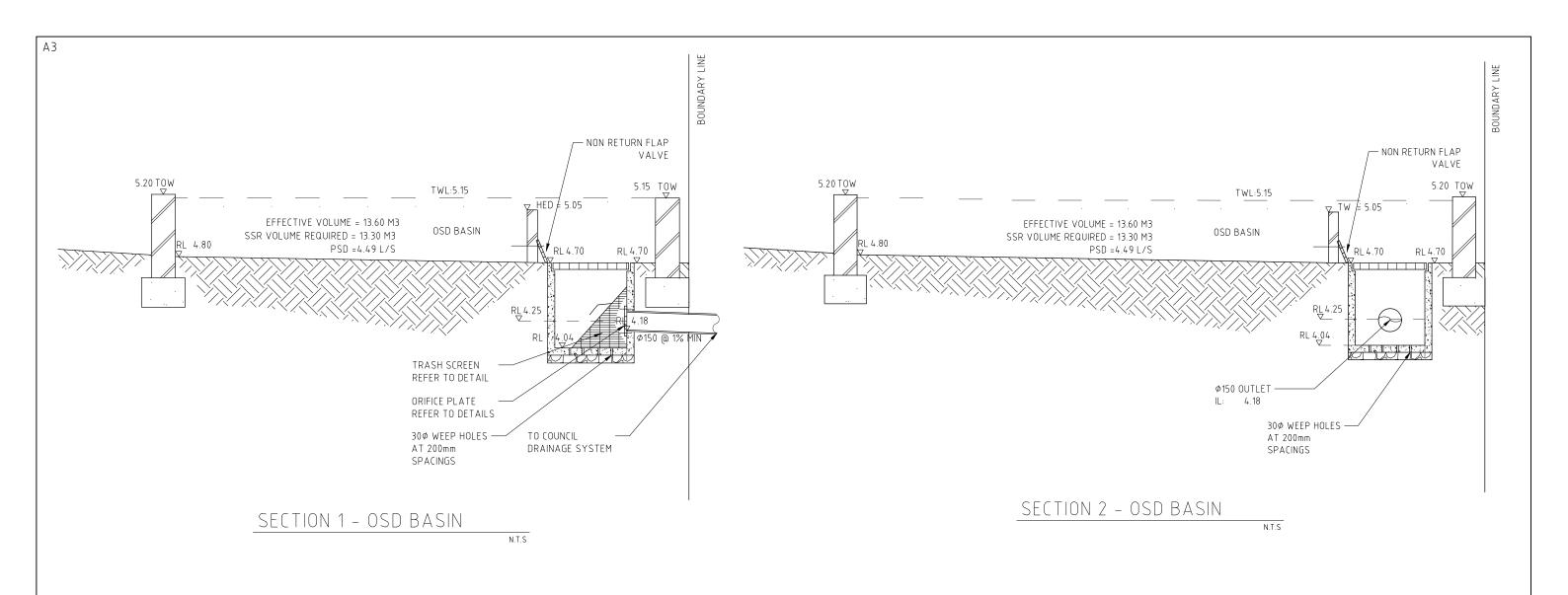
TRENCH GRATE (200mm WIDE) CLASS D

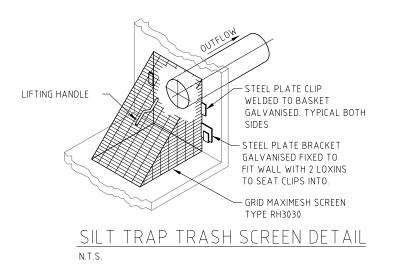


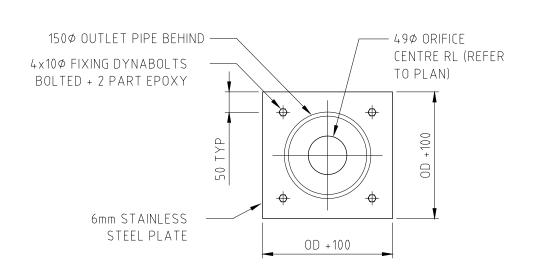
TYPICAL GRATED INLET PIT

					CLIENT	PROJECT NORTH POINT	DESIGNER	W N	DATE CREATED 23.05.2025	THIS DRAWING IS NOT TO		
			STORMWATER MANAGEMENT PLANS		KULVIR SINGH			*****	23.03.2023	TENDER/CONSTRUCTION UNLESS	ENDORSED BELOW	_
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	22.05.2025		DETAILS SHEET 01		22 RAVEN CIRCUIT, WARRIEWOOD		VERIFIER	пп	SCALE @ A3			
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PI P.	04.03.2025	D.H ISSUED FOR DA					© THIS DRAWING	AND DESIGN IS THE COPY	RIGHT OF LEOPARD ENGINEERING GROUP, NO	1		ABN 85 65
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ORIFICE SIZE

$$A = Q$$

$$Cd \times \sqrt{2 \times g \times H}$$

$$A = \frac{0.00449}{0.62 \times \sqrt{2 \times 9.81 \times 0.8}}$$

 $A = 0.0019 \,\mathrm{m}^2$

THEREFORE
D = 49mm

					STORMWATER MANAGEMENT PLAN	15		KULVIR SINGH	PROJECT NORTH POINT
P3	W.N	23.05.2025	D.H	REISSUED FOR DA				PROJECT NAME	•
P2	P.D	22.05.2025	D.H	REISSUED FOR DA	DETAILS SHEET 02			22 RAVEN CIRCUIT, WARRIEWOOD	
P1	P.D	04.03.2025	D.H	ISSUED FOR DA					
REV	DES.	DATE	VER.	DESCRIPTION	DRAWING # 2025H0026-SW06	REVISION	P3		

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VERIFIER	D.H	SCALE @ A3 AS SHOWN			CT
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