LIST OF DRAWING			
SHEET NO	DRAWING NAME		
GN0	COVER PAGE		
0E0	EROSION AND SEDIMENT CONTROL PLAN		
0L1	STREET LEVEL FLOOR PLAN		
0L2	STORAGE FLOOR PLAN		
0L3	GROUND FLOOR PLAN		
FL1	DRAINAGE PLAN - FIRST FLOOR PLAN		
RL1	ROOF PLAN		
SD1	STANDARD DETAILS		
SD2	OSD PLAN AND DETAILS		

GENERAL NOTES

1. THE PLUMBER/ DRAINER SHALL INSPECT THE SITE AND CONFIRM THE EXISTING SITE STRUCTURES, SERVICES AND CONDITIONS PRIOR TO PROCEEDING. IF ANY DISCREPANCIES FOUND, CONTACT THE ENGINEER FOR DISCUSSION.

2. ALL WORKS TO BE CARRIED OUT IN ACCORDANCE WITH RELEVANT AUSTRALIAN STANDARDS. BUILDING CODE OF AUSTRALIA AND LOCAL GOVERNMENT'S REQUIREMENTS. IT IS THE RESPONSIBILITY OF THE PLUMBER/ DRAINER TO OBTAIN ANY APPROVALS/ PERMITS/ LICENSES ISSUED BY THE AUTHORITIES PRIOR TO PROCEEDING WITH STORMWATER WORKS PROCEEDING WITH STORMWATER

3. UNLESS NOTED AS OTHERWISE, ALL DOWNPIPES TO BE Ø100 ROUND (OR 100x75 RECTANGULAR) AND FULLY SEALED. ALL EAVE GUTTERS TO BE 115 QUAD HI-FRONT OR EQUIVALENT, ALL BOX GUTTERS TO BE 200Wx150H, ALL STORMWATER PIPES TO BE Ø100 SEWER GRADE AND LAID AT 1% MIN. FALL, ALL MATERIALS USED IN THE WORK SHALL BE NEW AND CONFORM WITH RELEVANT AUSTRALIAN STANDARDS AND BEAR THE REQUIRED STANDARDS MARK.

4. LOCATION OF STORMWATER SYSTEMS. INCLUDING DOWNPIPES, PIPES, PITS AND RAINWATER TANK ARE INDICATIVE ONLY. EXACT LOCATION SHALL BE DETERMINED ON SITE TO SUIT SITE

5. SUB-SOIL DRAINS FOR RETAINING WALL SHALL BE INSTALLED BY THE BUILDER AND CONNECTED TO STORMWATER LINES. ALL AGG. LINES SHALL BE 100mm DIA., UNLESS NOTED OTHERWISE.

6. NATURAL GROUND LEVELS ALONG ALL BOUNDARIES MUST BE MAINTAINED UNALTERED. ALL RETAINING WALLS TO BE SETBACK FROM BOUNDARIES TO AVOID CONCENTRATION OF STORMWATER FLOWS. 7. LEVELS ARE APPROXIMATE ONLY. THE PLUMBER/ DRAINER SHALL CONFIRM THE LEVELS PRIOR TO

PROCEEDING. IF ANY DISCREPANCIES FOUND, CONTACT THE ENGINEER FOR DISCUSSION.

8. INSPECTION AND CERTIFICATION, IF REQUIRED, SHALL BE DONE PRIOR TO BACKFILLING, ALLOW 24 HOUR NOTICE FOR THE ENGINEER TO CARRY OUT INSPECTION.

9. ANY DAMAGE TO SERVICES DURING CONSTRUCTION SHALL BE REPAIRED IMMEDIATELY AT THE PLUMBER/ DRAINER'S OWN EXPENSE.

10. RWT TO BE WATERPROOFED TO AS 3500.1:2018. AS 3735:2001 AND AS 4766:2006 AS APPLICABLE.

RWT REQUIREMENTS

THIS DEVELOPMENT HAS NO COMMITMENT ON RAINWATER REUSE UNDER BASIX CERTIFICATE

HYDRAULIC ENGINEERING PLAN

PROJECT: PROPOSED NEW DWELLING

ADDRESS: 34 TATIARA CRESCENT, NORTH NARRABEEN

LGA: NORTHERN BEACHES COUNCIL

1. IF ANY DISCREPANCIES OR DOUBTS, CONTACT THE ENGINEER 2. BOOKING FOR INSPECTIONS, IF REQUIRED, SHALL BE MADE VIA OUR WEBSITE AT www.nitma.com.au/bookings.



PROPOSED SITE PLAN (AREA)

SCALE: 1:500

PROPOSED IMPERVIOUS AREA Name Area IMPERVIOUS AREA PERVIOUS AREA 271 m² TOTAL SITE AREA

ON-SITE DETE	NTION CALCULATION SHEET (NORT	HERN BEACHES)
Development Type:			
Address:			
Site area:			m2
Total Proposed Impervious	280	m2	
% of site impervious:		49	%
Impervious area draining to	280	m2	
Pervious area draining to th	0	m2	
Total area draining to the st	280	m2	
Pervious area bypassing the	0	m2	
Impervious area bypassing the storage facility:		15	m2
Bypass ratio	300 300	1.03	
Single residential developments or not		V	
Is bypass area <=30m2		TRUE	
Is Site Area <= 1200m2		TRUE	
Computational method		STREAMLINE	D METHO
Does OSD discharges to Ke	erb Outlet	V	SOURCE OF STREET
Permitted Site Discharge			
Permitted Site Discharge Q	5	22.92	1/s
Permitted Site Discharge Q	22.92	1/s	
Site Storage Requirement		11.46	m3
Is OSD provided in a lands	caped surface basin?		
If yes, then Site Storage Requirement (increased by 20%)		11.46	m3
RWT offset (BASIX RWT		L	
OSD volume after offset		11.46	m3
Outlet Control (sharp edg	ged orifice plate)		
Height difference between top water level and centre of orifice		0.9	m
Orifice diameter (mm)		108	mm
Min outlet pipe	Uses the table on Additional info		10 10 No.

SITE CALCULATIONS

- SITE AREA: 573 m2
- PROP. IMPERVIOUS AREA: 301 m2 (52%)
- THEREFORE, OSD IS REQUIRED.

4

All dimensions are in milimetres. Do not scale the drawing. Use written dimensions. Dimensions must be confirmed prior to commencement. Location of services are approximate only. Dial 1100 before any excavation or demolition.

ORIGINAL ISSUE Designed: NL Checked: HN Approved:

Quoc Huy Nguyen PhD (Eng). MIEAust, CPEng, NER Reg. No. 208 2513



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Project No: 7187H

PROJECT: PROPOSED NEW DWELLING ADDRESS: 34 TATIARA CRESCENT, NORTH NARRABEEN : NORTHERN BEACHES COUNCIL

COVER PAGE

Issue: A Date: 25.07.2025 Drawing No: GN0

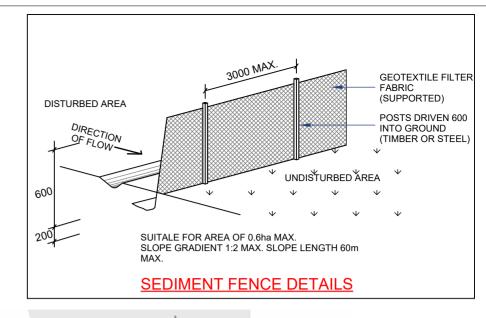
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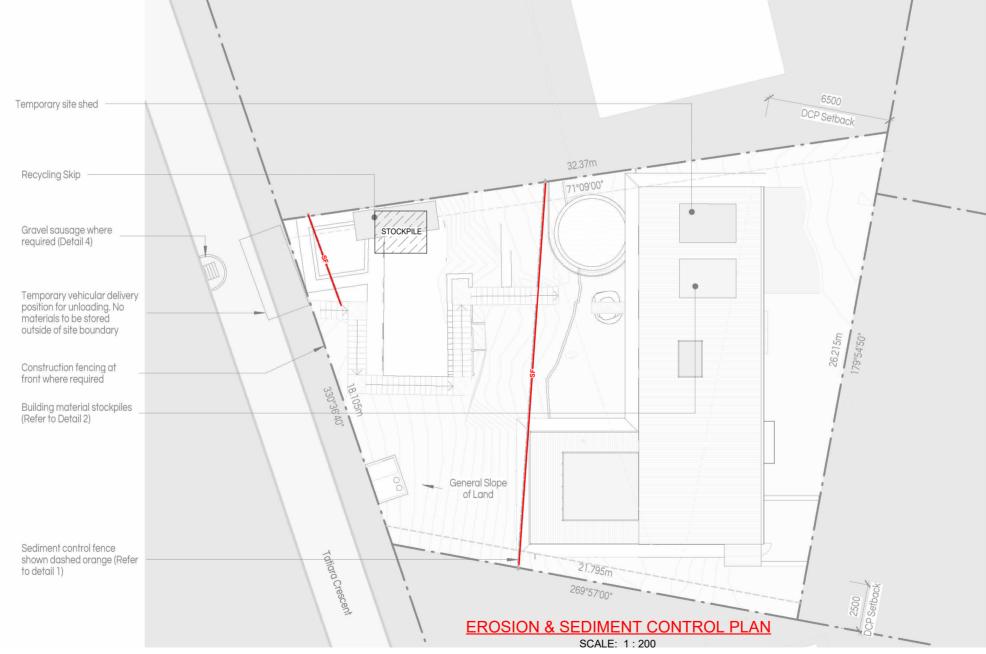
KEY: SILT FENCE

STOCKPILE

NOTES:

- 1. ALL EROSION AND SEDIMENT CONTROL MEASURES TO BE INSPECTED AND MAINTAINED DAILY BY SITE MANAGER
- 2. MINIMISE DISTURBED AREA
- 3. ALL STOCKPILES TO BE CLEAR FROM DRAINS, GUTTERS AND FOOTPATH
- 4. DRAINAGE IS TO BE CONNECTED TO STORMWATER SYSTEM AS SOON AS POSSIBLE
- 5. ROADS AND FOOTPATH TO BE SWEPT DAILY
- 6. KERB SIDE INLET TO BE PROTECTED WITH FABRIC FILLED WITH GRAVEL
- 7. NON-COMPLIANCE MAY INCUR PENALTY







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PhD (Eng). MIEAust, CPEng, CONSULTING

Approved:

Quoc Huy Nguyen

NER Reg. No. 208 2513

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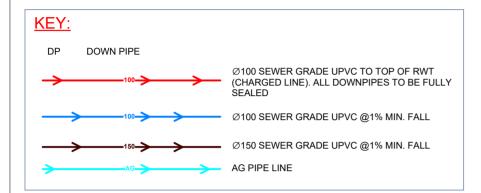
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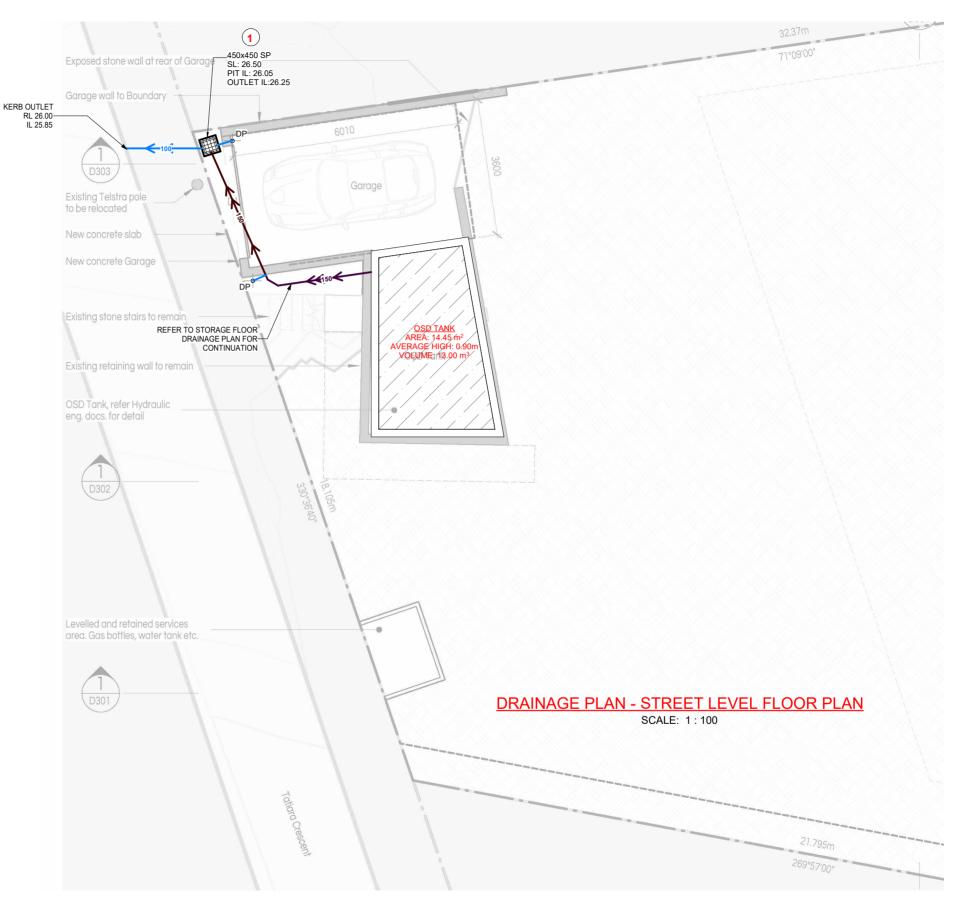
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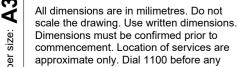
EROSION AND SEDIMENT CONTROL PLAN

Issue: A Date: 25.07.2025 Drawing No: 0E0 Project No: 7187H









excavation or demolition.

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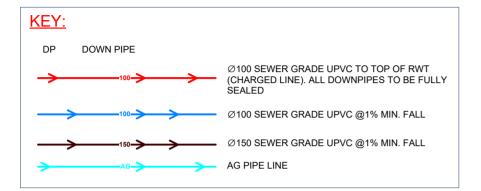
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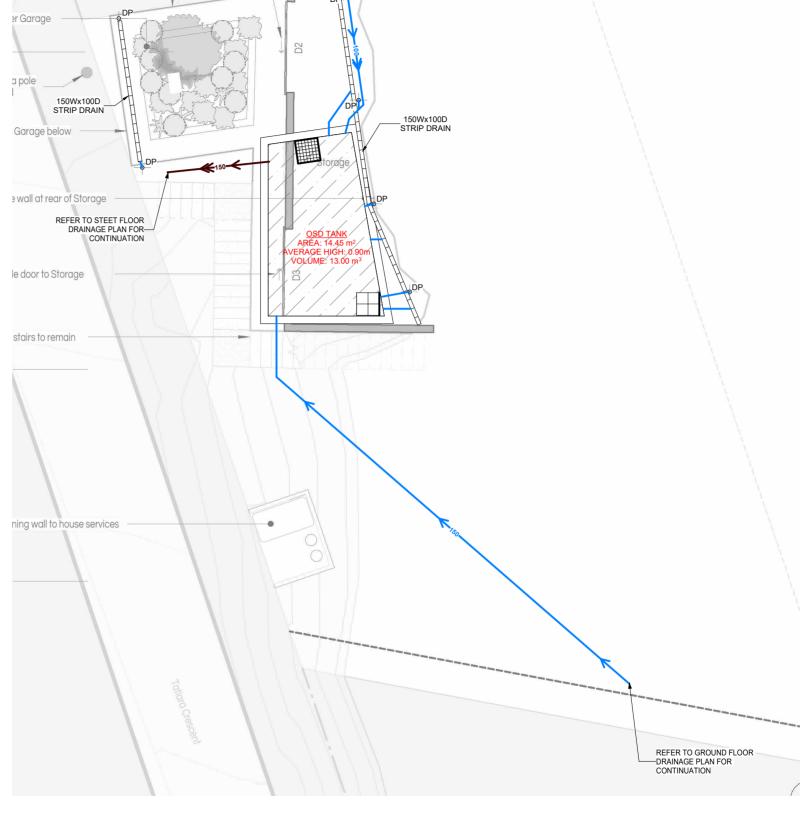
PROJECT: PROPOSED NEW DWELLING

ADDRESS: 34 TATIARA CRESCENT, NORTH NARRABEEN LGA: NORTHERN BEACHES COUNCIL

STREET LEVEL FLOOR PLAN

Issue: A Date: 25.07.2025 Drawing No: 0L1 Project No: 7187H







Checked: HN

DRAINAGE PLAN - STORAGE FLOOR PLAN

SCALE: 1:100

A3

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Designed: NL

Approved:

Boundary

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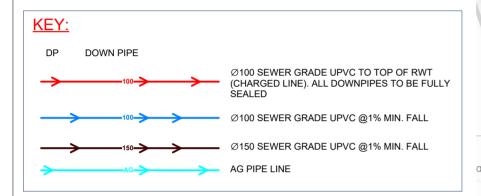
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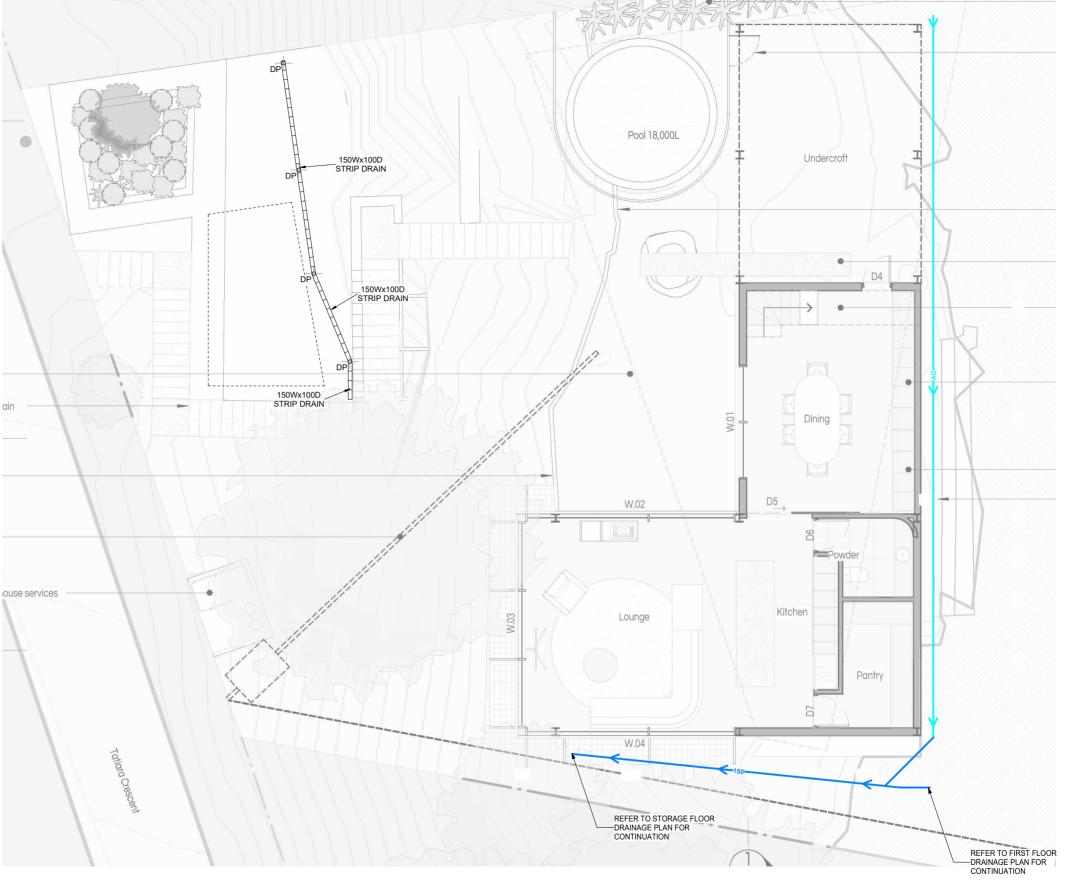
PROJECT: PROPOSED NEW DWELLING

ADDRESS: 34 TATIARA CRESCENT, NORTH NARRABEEN LGA: NORTHERN BEACHES COUNCIL

STORAGE FLOOR PLAN

6







DRAINAGE PLAN - GROUND FLOOR PLAN

SCALE: 1:100

A3 All dimensions are in milimetres. Do not scale the drawing. Use written dimensions. Dimensions must be confirmed prior to commencement. Location of services are approximate only. Dial 1100 before any excavation or demolition.

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Approved:

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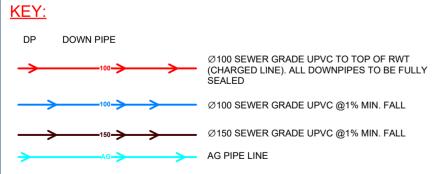
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GROUND FLOOR PLAN

Issue: A Date: 25.07.2025 Drawing No: 0L3 Project No: 7187H







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Quoc Huy Nguyen

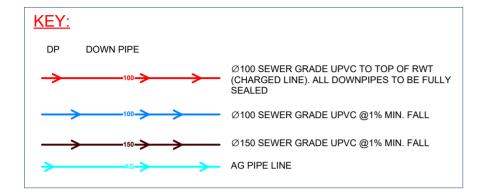
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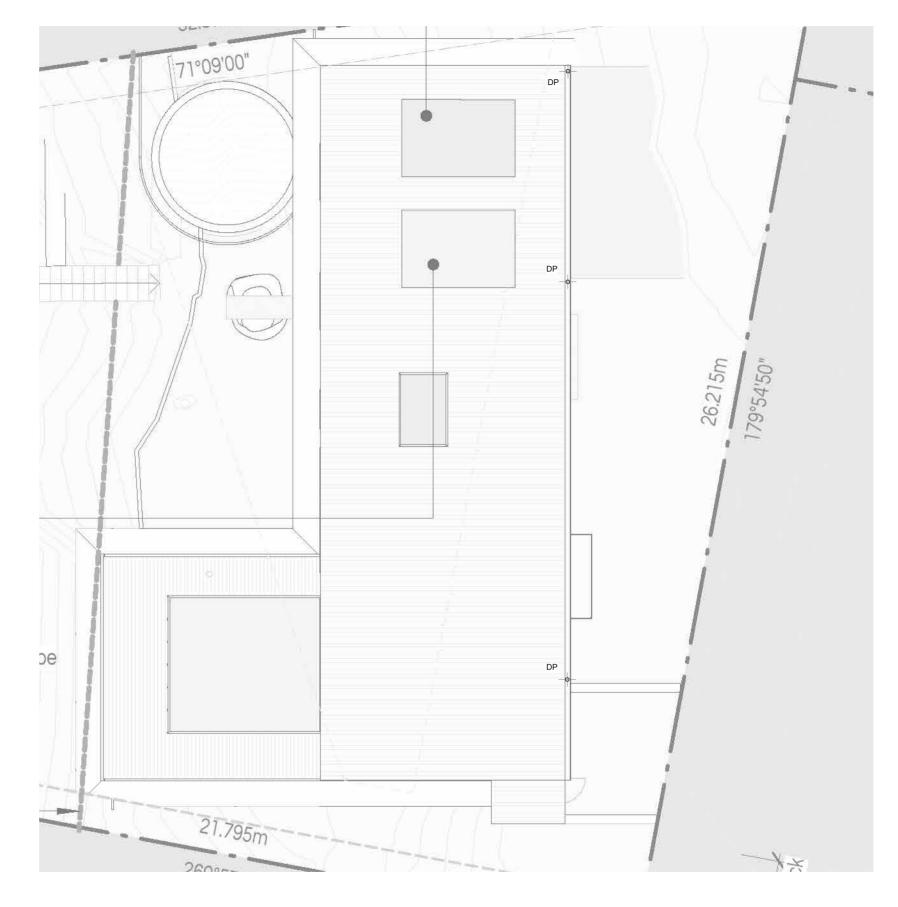
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PROJECT: PROPOSED NEW DWELLING ADDRESS: 34 TATIARA CRESCENT, NORTH NARRABEEN LGA: NORTHERN BEACHES COUNCIL

DRAINAGE PLAN - FIRST FLOOR PLAN

Project No: 7187H Issue: A Date: 25.07.2025 Drawing No: FL1







ROOF FLOOR PLAN

SCALE: 1:100

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Approved:

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ROOF PLAN

Issue: A Date: 25.07.2025 Drawing No: RL1 Project No: 7187H

Notes: Some details may not be applicable to current project

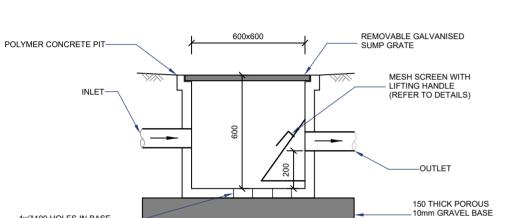
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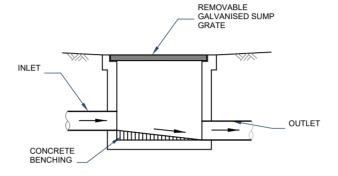
WRAPPED IN GEOTEXTILE FABRIC



SILT ARRESTOR PIT NOTES:

- 1. MESH SCREEN IS TO BE GALVANISED LYSAGHT RH3030 MAXI MESH COVERED WITH GEOTEXTILE IN GALVANISED STEEL FRAME WITH LIFTING HANDLES ACROSS BASE.
- 2. GEOTEXTILE IS TO BE BIDIM A14, PROPEX 4550 OR SIMILAR WITH COEFFICIENT OF PERMEABILITY GREATER THAN 50E-4m/s.

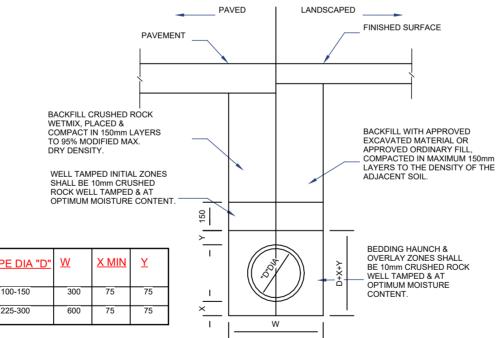




SCALE 1:20

TYP. GRATED PIT DETAILS

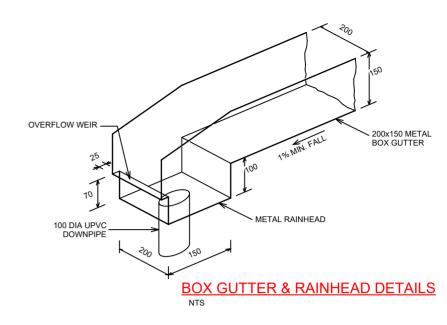
SCALE 1:20



225-300

UPVC PIPE TRENCH BACKFILL TYP. DETAILS

SCALE 1:20



MINIMUM PIPE COVER

(FROM FINISHED SURFACE TO TOP OF PIPE)

(**************************************					
	MINIMUM	MINIMUM COVER (mm)			
LOCATION	CAST/DUCTILE IRON GAL STEEL	OTHER AUTHORISED PRODUCTS (~)			
1. NOT SUBJECT TO VEHICULAR LOADING:					
A. WITHOUT PAVEMENT					
i. FOR SINGLE DWELLING	0	100			
ii. OTHER THAN SINGLE DWELLING	0	300			
B. WITH PAVEMENT OF	24)	50()			
BRICK/UNREINFORCED CONCRETE 2. SUBJECT TO VEHICULAR LOADING:	0(~~)	50(~~)			
A. OTHER THAN ROAD:	300	450			
i. WITHOUT PAVEMENT					
ii. WITH PAVEMENT OF:	0(~~#)	100(~~#)			
- REIFORCED CONC. FOR HEAVY	0(~~#)	75(~~#)			
VEHICLE					
- BRICK/UNREINF. CONC. LIGHT	300	500(#)			
VEHICLE	300	500(#)			
B. ROAD					
i. SEALED	300	500(#)			
ii. UNSEALED 3. SUBJECT TO CONSTRUCTION VEHICLE OR IN ENBANKMENT CONDITION					
() INDIVIDED OVERLAY ABOVE THE TOP OF TH					

(~) INCLUDES OVERLAY ABOVE THE TOP OF THE PIPE OF NOT LESS THAN 50mm THICK (~~) BELOW THE UNDERSIDE OF THE PAVEMENT (#) SUBJECT TO COMPLIANCE WITH AS1762, AS2033, AS/NZS2566.1, AS3725 OR AS4060

SILT ARRESTOR PIT DETAILS SCALE 1:20

450x450

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4x∅100 HOLES IN BASE

POLYMER CONCRETE

4xØ100 HOLES IN BASE

GRAVEI

FILLED WITH 10mm GRAVEL

INI FT

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REMOVABLE GALVANISED SUMP GRATE

MESH SCREEN WITH LIFTING HANDLE (REFER TO DETAILS)

OUTLET

150 THICK POROUS 10mm GRAVEL BASE WRAPPED IN

GEOTEXTII E FABRIC

Approved:

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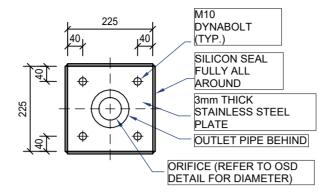
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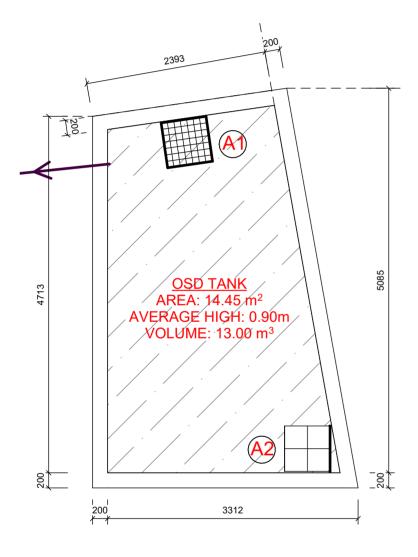
STANDARD DETAILS

Issue: A Date: 25.07.2025 Drawing No: SD1 Project No: 7187H

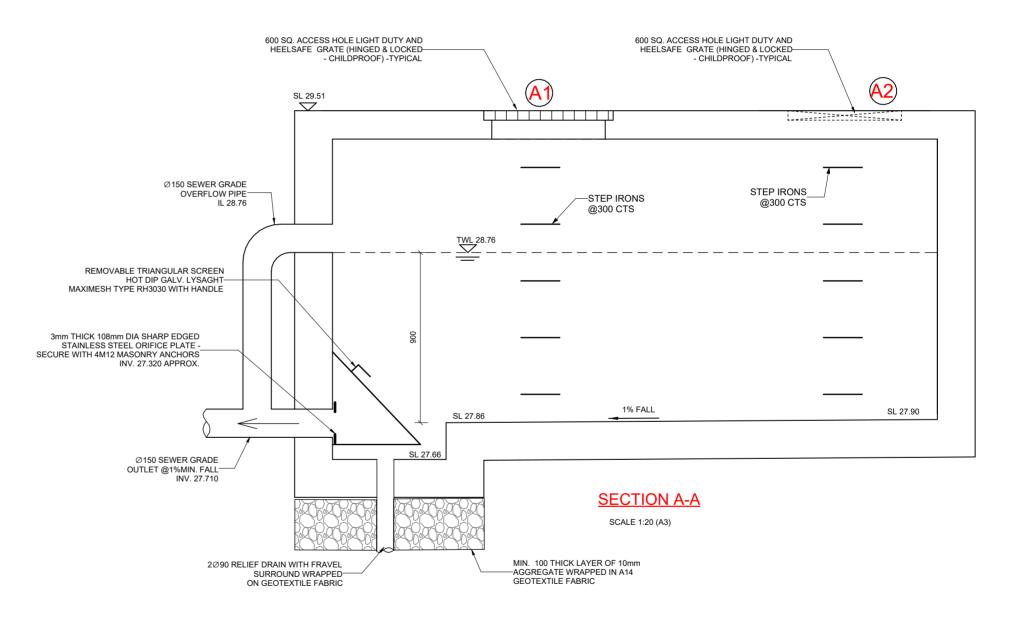


ORIFICE PLATE DETAILS

SCALE 1:10



SCALE: 1:50



DRAINAGE PLAN - OSD PLAN

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Revisions

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OSD PLAN AND DETAILS

Project No: 7187H Issue: A Date: 25.07.2025 Drawing No: SD2