HYDRAULIC ENGINEERING PLAN

PROJECT: PROPOSED ALTERATIONS & ADDITIONS

ADDRESS: 57 EMMA STREET, MONA VALE

LGA: NORTHERN BEACHES COUNCIL

LIST OF DRAWING			
SHEET NO	HEET NO DRAWING NAME		
GN0	COVER PAGE		
0E0	EROSION AND SEDIMENT CONTROL PLAN		
0L2	GROUND FLOOR PLAN		
1L1	FIRST FLOOR PLAN		
RL1	ROOF PLAN		
SD1	STANDARD DETAILS		

203 m² 76 m² 312 m² 22 m²

EXISTING SITE PLAN (AREA)

SCALE: 1:500

EXISTING IMPERVIOUS AREA				
Name	Area			
IMPERVIOUS AREA	312 m²			
PERVIOUS AREA	301 m²			
TOTAL SITE AREA	613 m²			



PROPOSED SITE PLAN (AREA)

SCALE: 1:500

PROPOSED IMPERVIOUS AREA				
Name	Area			
IMPERVIOUS AREA	343 m²			
PERVIOUS AREA	270 m²			
TOTAL SITE AREA:	613 m²			

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

SITE CALCULATIONS

Approved:

Quoc Huy Nguyen

NER Reg. No. 208 2513

- SITE AREA: 613.3 m²

- EX. IMPERVIOUS AREA: 312 m²

- PROP. IMPERVIOUS AREA: 343 m2 (56%)

- CHANGE IN IMPERVIOUS AREA: 31 m² < 50 m²

- THEREFORE, OSD IS NOT REQUIRED.

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

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



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PROJECT: PROPOSED ALTERATIONS & ADDITIONS ADDRESS: 57 EMMA STREET, MONA VALE NORTHERN BEACHES COUNCIL

COVER PAGE

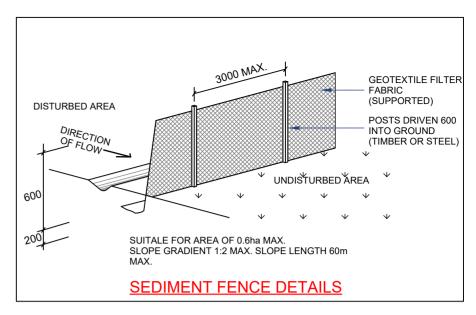
Issue: A Date: 28.05.2025 Drawing No: GN0 Project No: 7141H

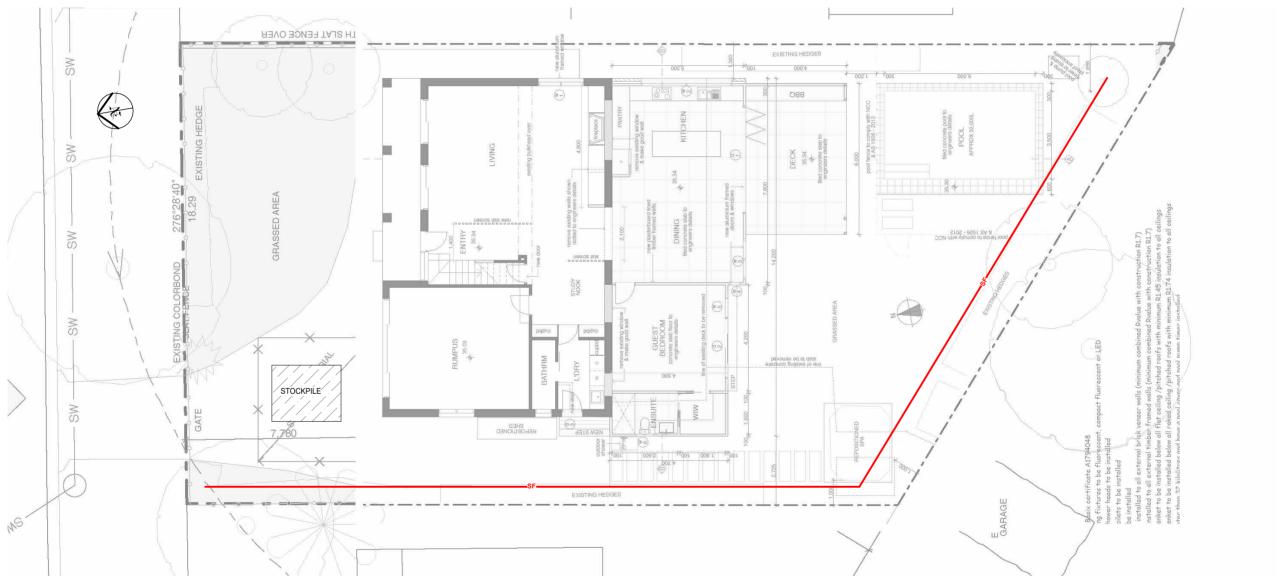
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KEY: SILT FENCE STOCKPILE

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





EROSION & SEDIMENT CONTROL PLAN

SCALE: 1:150

4

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Approved:

Quoc Huy Nguyen

NER Reg. No. 208 2513

PhD (Eng). MIEAust, CPEng, CONSULTING

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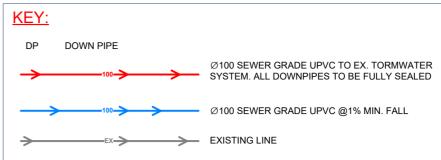
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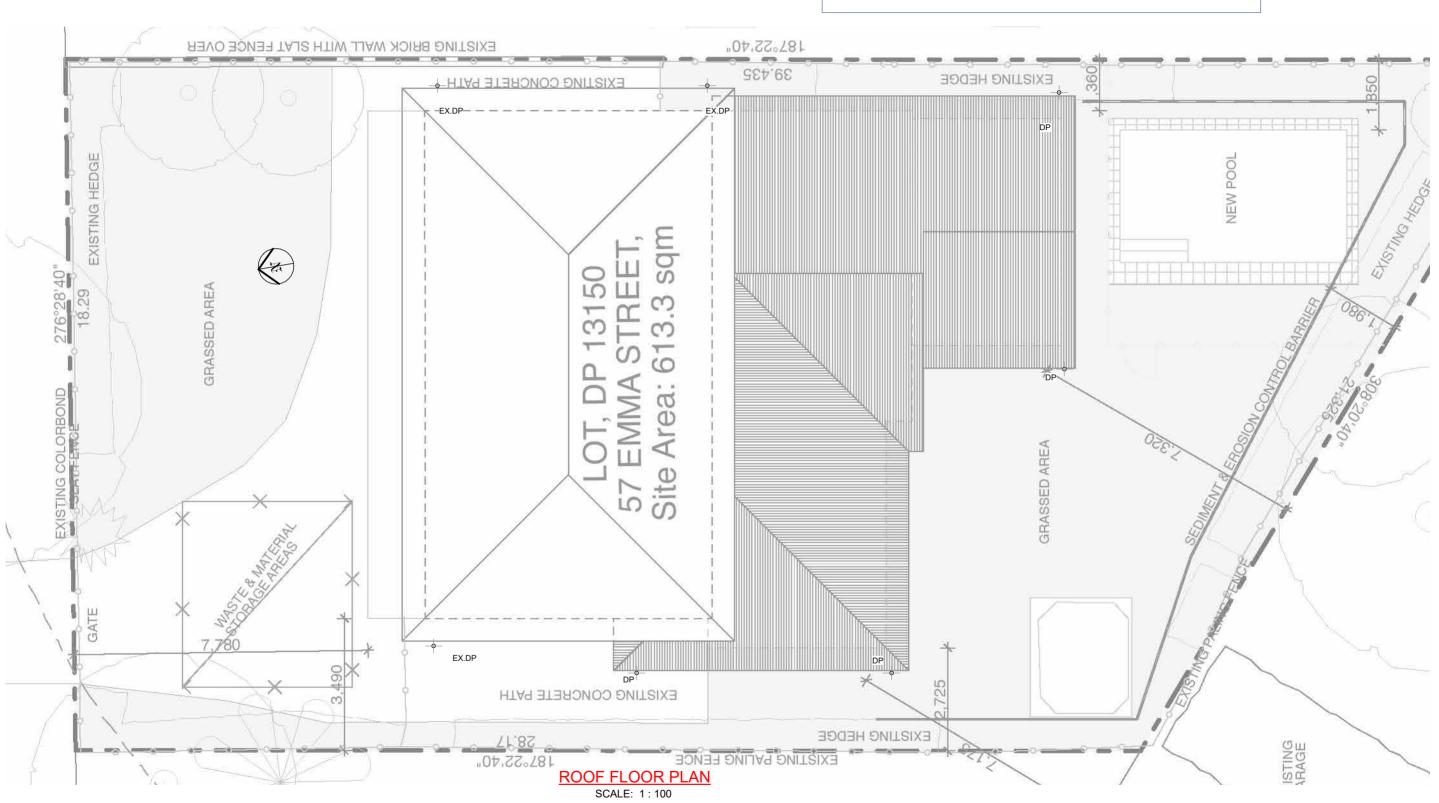
Project No: 7141H

EROSION AND SEDIMENT CONTROL PLAN

Issue: A Date: 28.05.2025 Drawing No: 0E0

9





size: A3

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Revisions

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Approved:

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

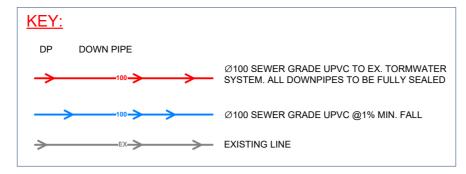


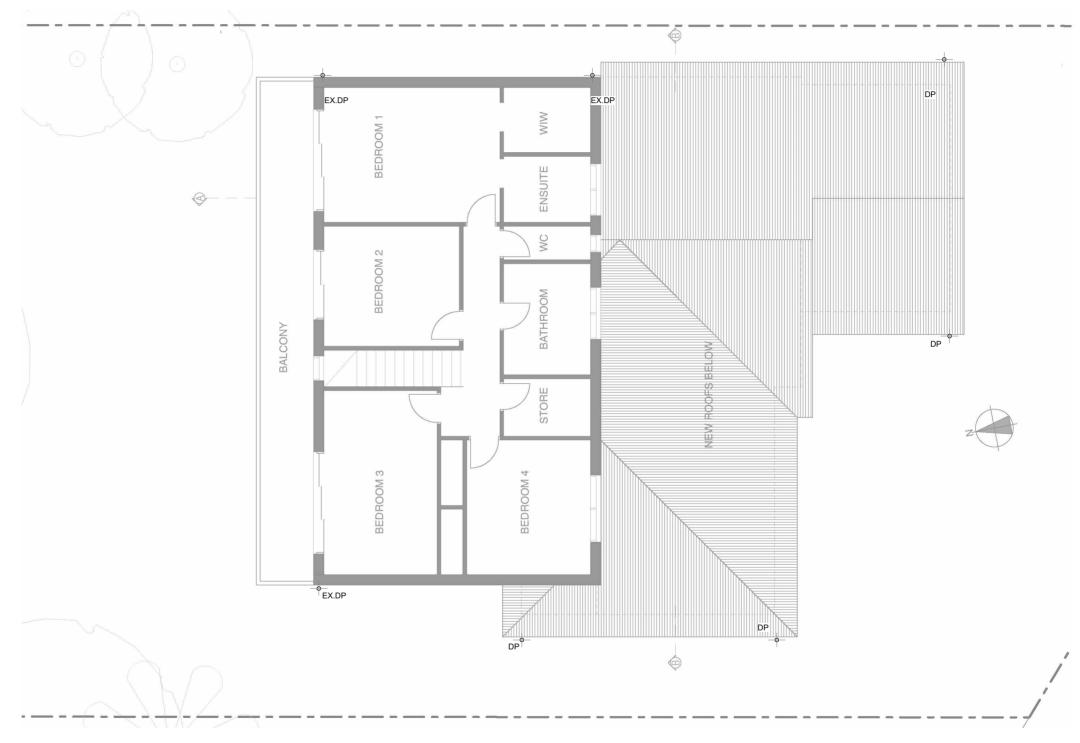
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ROOF PLAN

Project No: 7141H Issue: A Date: 28.05.2025 Drawing No: RL1





DRAINAGE PLAN - FIRST FLOOR PLAN

SCALE: 1:100

r size: A3

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Revisions		
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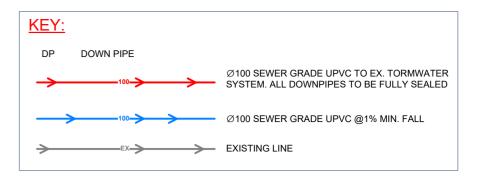


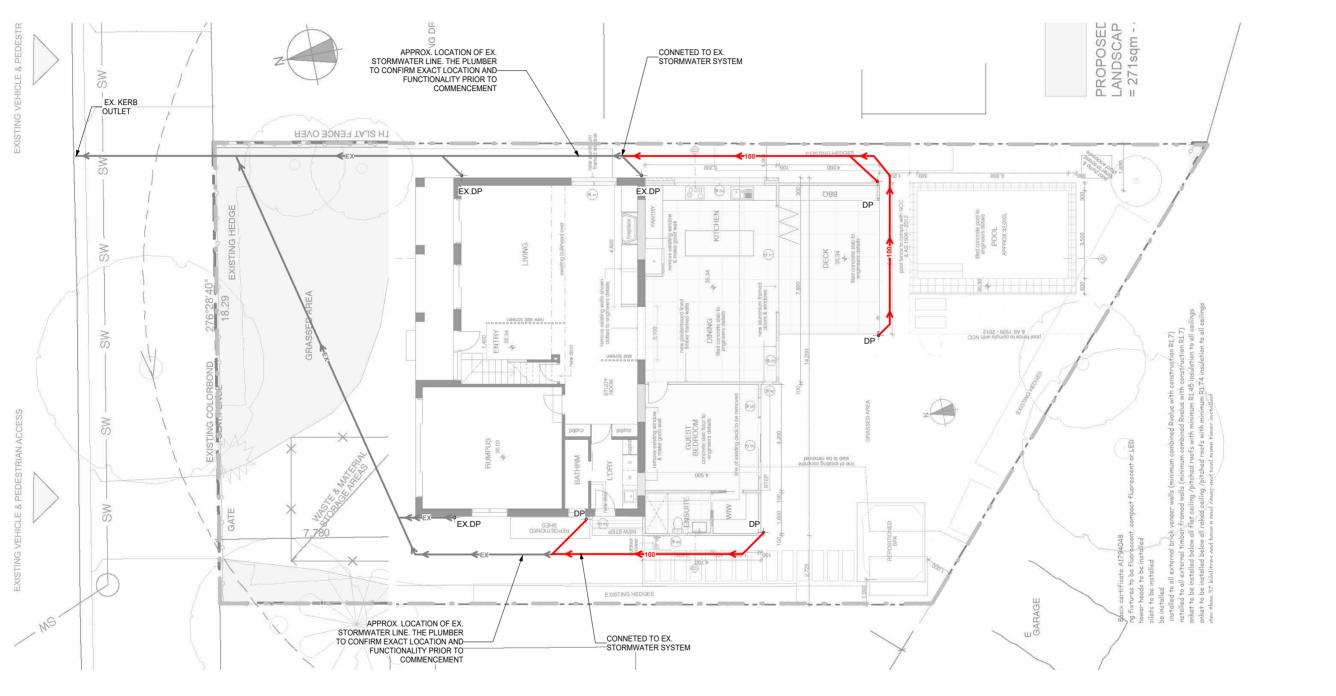
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FIRST FLOOR PLAN

Project No: 7141H Issue: A Date: 28.05.2025 Drawing No: 1L1

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DRAINAGE PLAN - GROUND FLOOR PLAN

SCALE: 1:150

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.

Re	Revisions	
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Quoc Huy Nguyen

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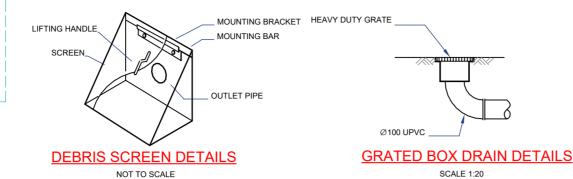
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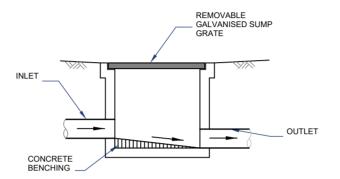
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GROUND FLOOR PLAN

Issue: A Date: 28.05.2025 Drawing No: 0L2 Project No: 7141H

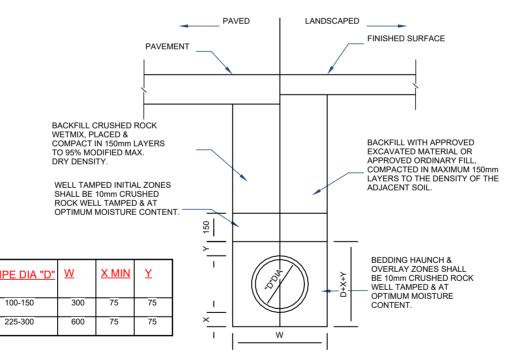
Notes: Some details may not be applicable to current project





TYP. GRATED PIT DETAILS

SCALE 1:20



UPVC PIPE TRENCH BACKFILL TYP. DETAILS

OVERFLOW WEIR 100 DIA UPVC DOWNPIPE BOX GUTTER & RAINHEAD NTS	200x150 METAL BOX GUTTER

MINIMUM PIPE COVER

(FROM FINISHED SURFACE TO TOP OF PIPE)

	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	0()	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		

(~) 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

SCALE 1:20

4

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ADDRESS: 57 EMMA STREET, MONA VALE

Project No: 7141H

PROJECT: PROPOSED ALTERATIONS & ADDITIONS

STANDARD DETAILS

Issue: A Date: 28.05.2025 Drawing No: SD1

9 Total no. of sheets