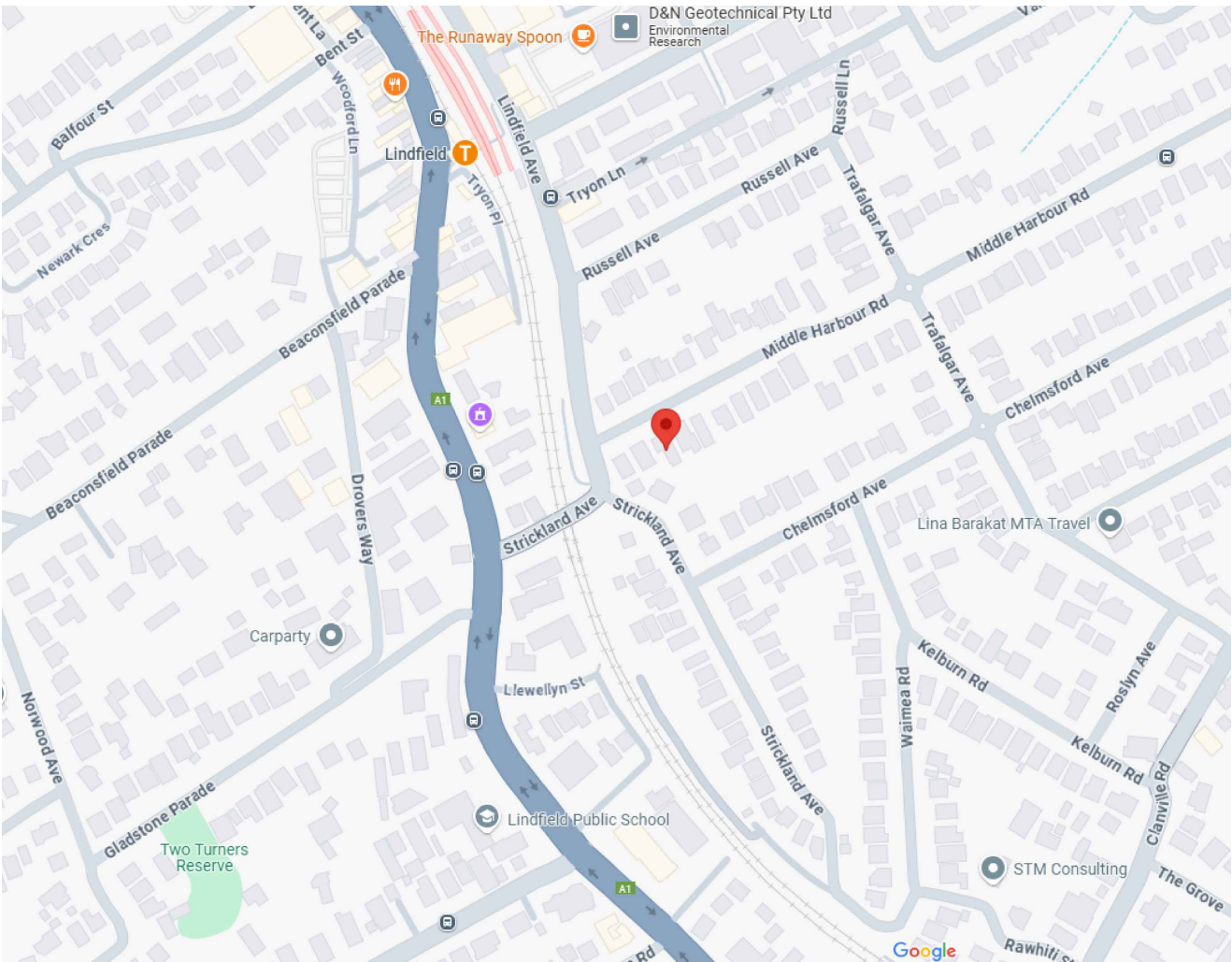


5-7 MIDDLE HARBOUR ROAD, LINDFIELD

PROPOSED MULTI-UNIT RESIDENTIAL DEVELOPMENT

CIVIL DRAWINGS

DRAWING INDEX	
DRAWING No.	DRAWING TITLE
C0000	COVER SHEET AND DRAWING INDEX
C1000	CONCEPT EROSION AND SEDIMENT CONTROL PLAN
C2000	CONCEPT STORMWATER DRAINAGE PLAN - BASEMENT 02
C2001	CONCEPT STORMWATER DRAINAGE PLAN - BASEMENT 01
C2002	CONCEPT STORMWATER DRAINAGE PLAN - LOWER GROUND
C2003	CONCEPT STORMWATER DRAINAGE PLAN - GROUND FLOOR
C2050	CONCEPT CATCHMENT AREA AND OSD DESIGN PLAN
C2051	CONCEPT WATER QUALITY MODELING PLAN
C6000	CONCEPT BULK EARTHWORKS PLAN



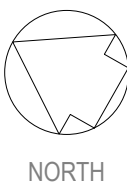
LOCALITY PLAN

Project:
5-7 MIDDLE HARBOUR ROAD, LINDFIELD

Drawing:
CIVIL DRAWINGS
COVER SHEET AND DRAWING INDEX

NOT FOR CONSTRUCTION

Scale at A1: N/A	Engineer: NG	Drawn: IC
Reference No. NSW250002	Drawing No. C0000	Rev. B



NORTH

MIDDLE HARBOUR ROAD

No. 9
LOT 6
DP 4665

BASEMENT 02
BE 85.050

No. 2
LOT 3
DP 1046585

No. 25
LOT 10
DP 1048308

No. 27
LOT 9
DP 1048308

No. 3
LOT 2
DP 6858

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WARNING: UTILITY INFORMATION SHOWN ON THIS PLAN DOES NOT DEPICT ANY MORE THAN THE PRESENCE OF A SERVICE, BASED ON AVAILABLE DOCUMENTARY EVIDENCE. THE PRESENCE OF A UTILITY SERVICE, ITS SIZE AND LOCATION SHOULD BE CONFIRMED BY FIELD INSPECTION, PRIOR TO THE COMMENCEMENT OF WORKS. CAUTION SHOULD BE EXERCISED WHEN WORKING IN THE VICINITY OF ALL UTILITY SERVICES CONTRACTOR IS TO NOTIFY THE DESIGN ENGINEER IF A CLASH WITH ANY EXISTING UTILITIES OCCURS ON SITE.

EROSION AND SEDIMENT CONTROL NOTES

- TOTAL AREA OF DISTURBANCE TO BE KEPT TO A MINIMUM. 'NO-GO' AREAS FOR WORKERS ARE TO BE SET OUT TO ENSURE DISTURBED AREAS ARE KEPT AT A MINIMUM.
- SITE WORKS WILL NOT START UNTIL THE EROSION AND SEDIMENT CONTROL WORKS OUTLINED IN CLAUSES 2 AND 3 BELOW, ARE INSTALLED AND FUNCTIONAL.
- THE INGRESS TO AND EGRESS FROM THE SITE WILL BE CONFINED TO ONE STABILISED POINT. SEDIMENT OR BARRIER FENCING WILL BE USED TO RESTRICT ALL VEHICULAR MOVEMENTS TO THAT POINT. STABILISATION WILL BE ACHIEVED BY EITHER:
 - CONSTRUCTING A SEALED (e.g. CONCRETE OR ASPHALT) DRIVEWAY TO THE STREET; OR
 - CONSTRUCTING A STABILISED SITE ACCESS, ACCORDING TO STANDARD DRAWING SD 6-14 OR OTHER SUITABLE TECHNIQUE APPROVED BY THE COUNCIL.
- SEDIMENT (SD 6-8) AND BARRIER FENCES TO BE INSTALLED.
- TOPSOIL TO BE STRIPPED AND STOCKPILED (SD 4-1) FOR LATER USE IN LANDSCAPING THE SITE.
- ALL STOCKPILES TO BE PLACED IN THE LOCATION SHOWN ON THE ESCP AND AT LEAST 2 METRES CLEAR OF ALL AREAS OF POSSIBLE AREAS OF CONCENTRATED WATER FLOW, INCLUDING DRIVEWAYS.
- LANDS TO THE REAR AND SIDES OF THE ALLOTMENT AND ON THE FOOTPATH WILL NOT BE DISTURBED DURING WORKS.
- ALL PIPE TRENCHES TO BE BACKFILLED AS QUICKLY AS POSSIBLE. IF TRENCH IS TO REMAIN OPEN WHILE SITE IS UNATTENDED AFTER THE END OF A SHIFT, CONTRACTOR IS TO ENSURE THAT THE TRENCH IS APPROPRIATELY COVERED TO NOT ALLOW THE INGRESS OF WATER.
- APPROVED BINS FOR BUILDING WASTE, CONCRETE AND MORTAR SLURRIES, PAINTS, ACID WASHINGS AND LITTER WILL BE PROVIDED AND ARRANGEMENTS MADE FOR REGULAR COLLECTION AND DISPOSAL. TOPSOIL WILL BE RE-SPREAD AND ALL DISTURBED AREAS TO BE REHABILITATED WITHIN 20 WORKING DAYS OF THE COMPLETION OF WORKS.
- COUNCIL'S PERMISSION WILL BE SOUGHT IF ANY MATERIALS NEED TO BE PLACED ON FOOTPATHS OR NATURE STRIPS. SUCH MATERIALS WILL BE PLACED ON PLASTIC AND COVERED.

LEGEND

- SEDIMENT FENCE (SD 6-8)
- SITE BOUNDARY OR BARRIER FENCE
- STABILISED SITE ACCESS (SD 6-14)
- DISTURBED AREA
- STOCKPILE (SD 4-1)
- PIT PROTECTION (SD 6-12)
- DIRECTION/SLOPE OF 'ON-SITE' OVERLAND FLOW
- EXISTING CONTOUR
- EXISTING TREE TO BE PROTECTED
- EXISTING TREE TO BE REMOVED
- PROPERTY BOUNDARY

GENERAL NOTES:

- STANDARD DRAWINGS (SD) ARE TO BE PROVIDED AS PER THE "BLUE BOOK" MANAGING URBAN STORMWATER (LANDCOM, 2004). FURTHER DETAIL IS TO BE PROVIDED AT CONSTRUCTION STAGE.
- REFER TO LANDSCAPE ARCHITECT PLANS AND ARBORIST REPORT FOR TREES TO REMAIN AND BE REMOVED.
- INDICATIVE EDGE OF BASEMENT WALL.
- PROTECT ALL STORMWATER INLET PITS DURING DURATION OF WORKS WITH A GEOTEXTILE INLET FILTER AS PER SD 6-12, OR SIMILAR.
- SITE BARRIER/SAFETY FENCE WITH SHADE CLOTH MESH FOR DUST SUPPRESSING TO BE INSTALLED AROUND WORK ZONE (TYPICAL).
- BASEMENT EXCAVATION TO FALL/DRAIN TO BASEMENT PUMP OUT (TYPICAL).
- PROVIDE SEDIMENT FENCING DOWNSLOPE OF CONSTRUCTION WORKS. SEDIMENT FENCE IS TO BE CONSTRUCTED IN ACCORDANCE WITH DETAIL SD 6-8.
- STABILISED SITE ACCESS. ACCESS TO BE CONSTRUCTED IN ACCORDANCE WITH SD 6-14. SITE ACCESS CAN STOP AT THE PROPERTY BOUNDARY IF THE EXISTING CONCRETE VEHICULAR CROSSING IS MAINTAINED DURING THE CONSTRUCTION WORKS.
- INDICATIVE LOCATION OF SUMP TO BE USED DURING BASEMENT EXCAVATION. EXCAVATION FOR BASEMENT PUMP OUT PIT MAY BE USED TO ACT AS A SUMP/PUMP OUT PIT DURING THE EXCAVATION WORKS. ALL WATER DISCHARGED FROM SITE MUST LOOK CLEAR AND BE FREE OF ANY SUSPENDED SEDIMENT. WATER CAN BE FLOCCULATED NATURALLY (BY SETTLEMENT) OR MECHANICALLY (BY ADDING GYPSUM).
- INDICATIVE LOCATION OF STOCKPILE GENERALLY IN ACCORDANCE WITH 'BLUE BOOK' SD 4-1.

B	ISSUED FOR DEVELOPMENT APPLICATION	04/04/25	NG
A	ISSUED FOR COORDINATION	01/04/25	NG
REV	DESCRIPTION	DATE	BY

Client:
CASTLE 38 PTY LTD

Architect:
CORTESE ASSOCIATES PTY LTD

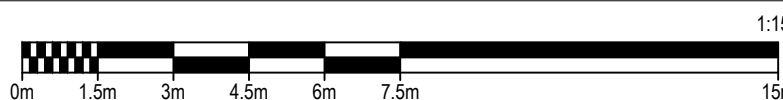


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Project:
5-7 MIDDLE HARBOUR ROAD, LINDFIELD

Drawing:
**CIVIL DRAWINGS
CONCEPT EROSION AND SEDIMENT
CONTROL PLAN**

NOT FOR CONSTRUCTION



Scale at A1: 1:150	Engineer: NG	Drawn: IC
Reference No: NSW250002	Drawing No: C1000	Rev: B

PRINT COLOUR

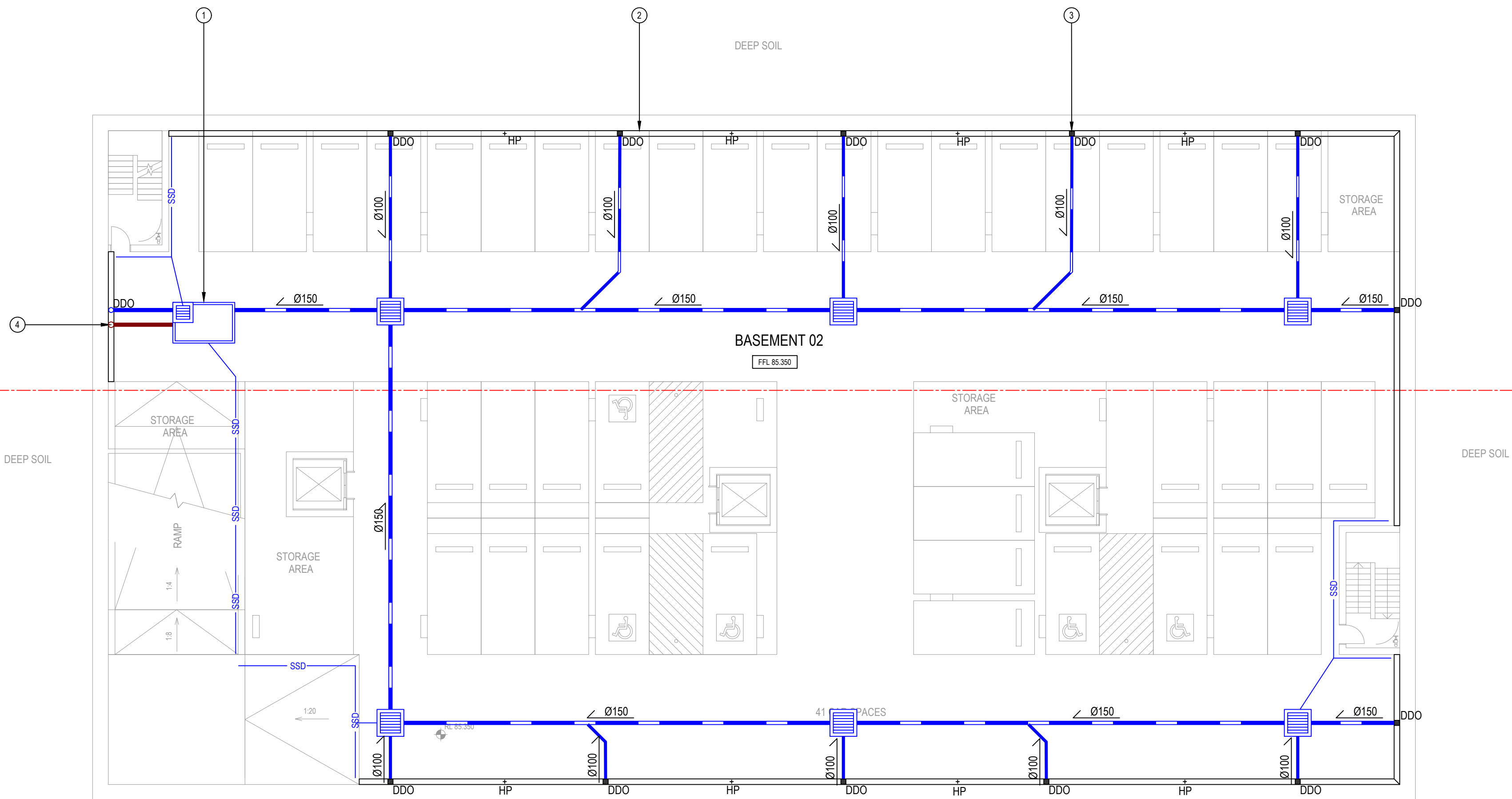


ROAD

MIDDLE

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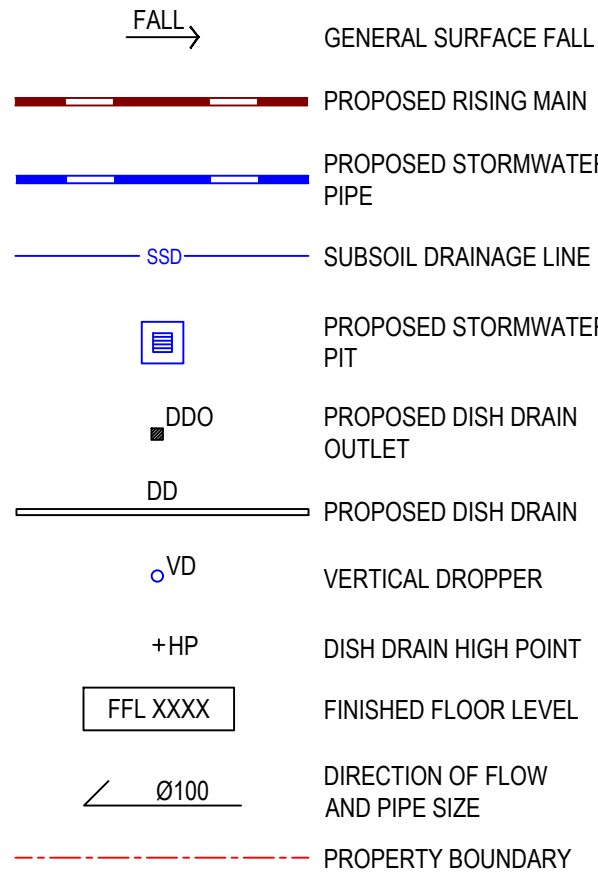
No. 9
LOT 6
DP 4665



No. 3
LOT 2
DP 6858

No. 27
LOT 9
DP 1048308

LEGEND



SPECIFIC NOTES

- ① BASEMENT PUMP-OUT PIT TO BE PROVIDED WITHIN BASEMENT, INDICATIVE LOCATION SHOWN. PIT IS TO BE DESIGNED AT DETAILED DESIGN STAGE TO AUSTRALIAN STANDARDS, HOLDING TANK TO HAVE A MINIMUM VOLUME OF 3m³ AND PUMP CAPACITY OF 10L/s. PUMP-OUT PIT TO BE USED TO DRAIN GROUND SEEPAGE AND SUB-SOIL DRAINAGE ONLY.
- ② CONCRETE DISH DRAIN AND SUBSOIL DRAINAGE TO BE PROVIDED AROUND BASEMENT PERIMETER TO COLLECT GROUND SEEPAGE (TYPICAL). DRAIN TO FALL MINIMUM 1% TOWARDS A RAIN OUTLET. SYSTEM TO BE DESIGN IN ACCORDANCE WITH THE STRUCTURAL ENGINEERS REQUIREMENTS.
- ③ PIPE FROM DRAINAGE ABOVE TO FREELY DISCHARGE TO DISH DRAIN OUTLET (TYPICAL).
- ④ RISING MAIN FROM BASEMENT PUMP-OUT PIT TO DISCHARGE TO STREET VIA STORMWATER PIT ON GROUND LEVEL.

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CORTESE ASSOCIATES PTY LTD



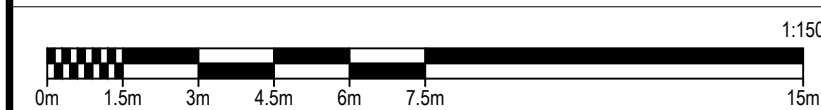
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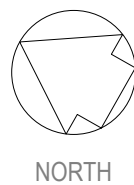
Drawing:
CIVIL DRAWINGS
CONCEPT STORMWATER DRAINAGE PLAN -
BASEMENT 02

NOT FOR CONSTRUCTION



Scale at A1: 1:150	Engineer: NG	Drawn: IC
Reference No. NSW250002	Drawing No. C2000	Rev. B

PRINT COLOUR 

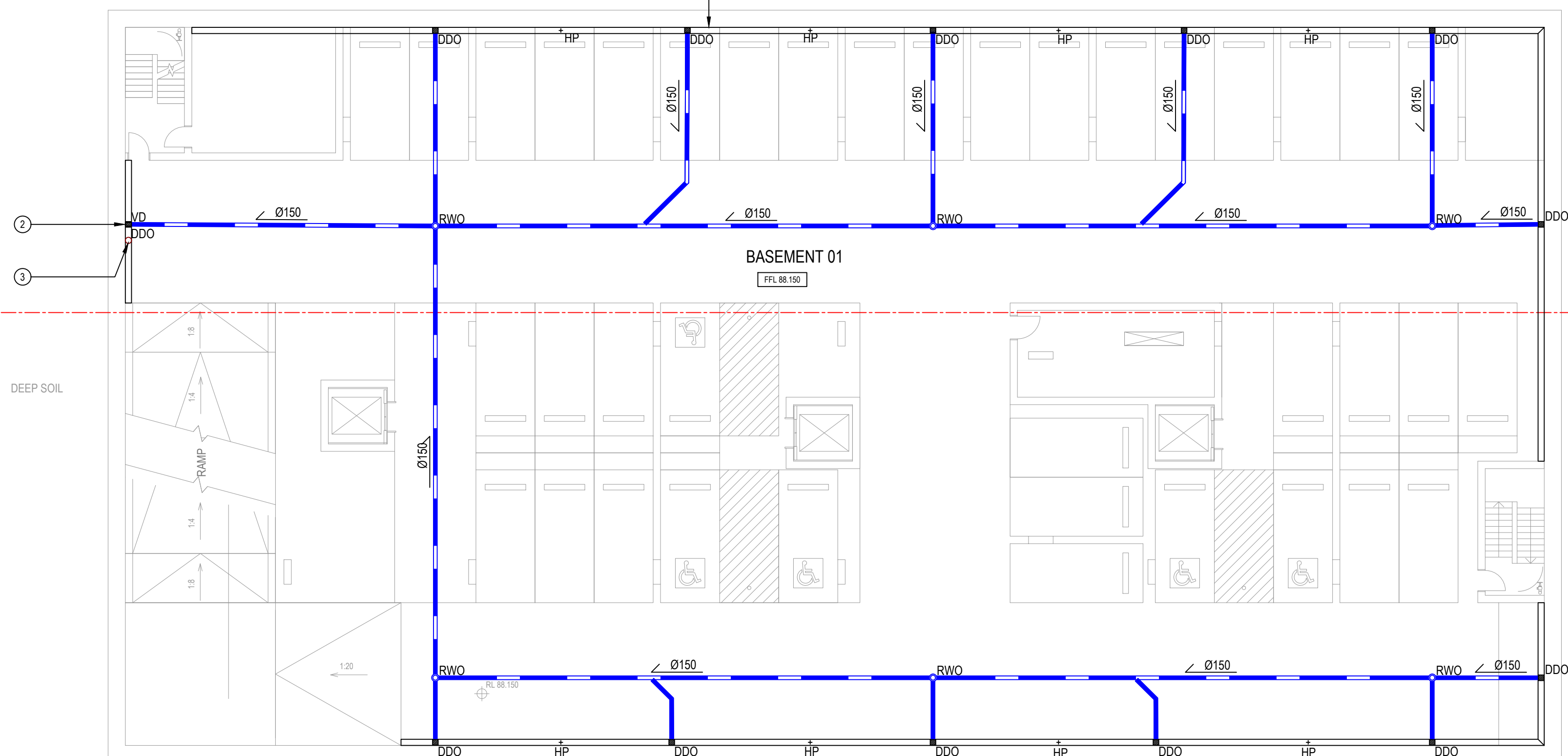


NORTH

MIDDLE HARBOUR ROAD

No. 9
LOT 6
DP 4665

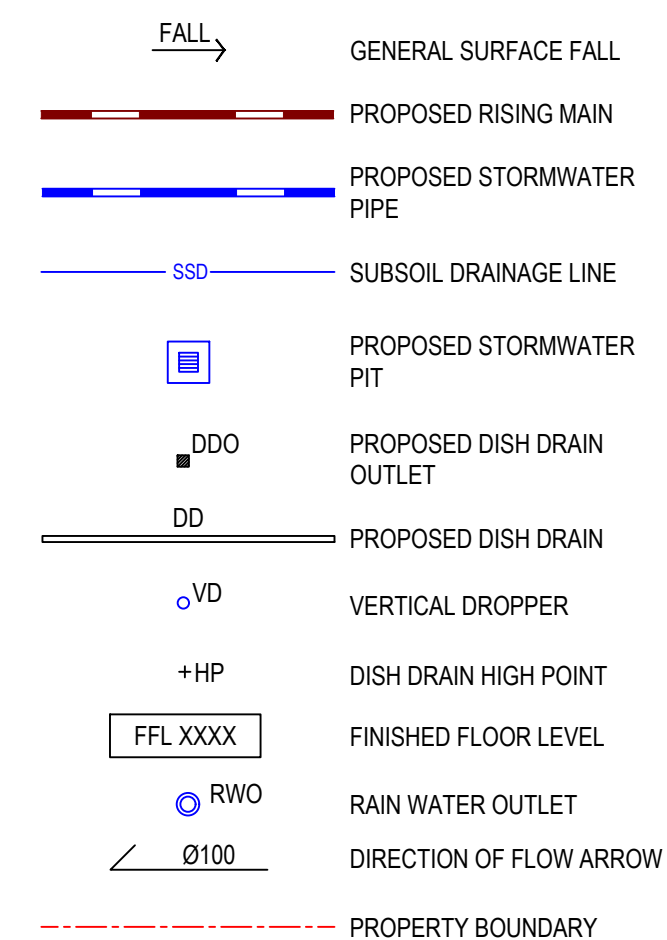
DEEP SOIL



No. 3
LOT 2
DP 6858

No. 27
LOT 9
DP 1048308

LEGEND



SPECIFIC NOTES

- ① CONCRETE DISH DRAIN AND SUBSOIL DRAINAGE TO BE PROVIDED AROUND BASEMENT PERIMETER TO COLLECT GROUND SEEPAGE (TYPICAL). DRAIN TO FALL MINIMUM 1% TOWARDS A RAIN OUTLET. SYSTEM TO BE DESIGN IN ACCORDANCE WITH THE STRUCTURAL ENGINEERS REQUIREMENTS.
- ② PIPE FROM DRAINAGE ABOVE TO FREELY DISCHARGE TO DISH DRAIN.
- ③ RISING MAIN FROM BASEMENT PUMP-OUT PIT TO DISCHARGE TO STREET VIA STORMWATER PIT ON GROUND LEVEL.

B	ISSUED FOR DEVELOPMENT APPLICATION	04/04/25	NG
A	ISSUED FOR COORDINATION	01/04/25	NG
REV	DESCRIPTION	DATE	BY

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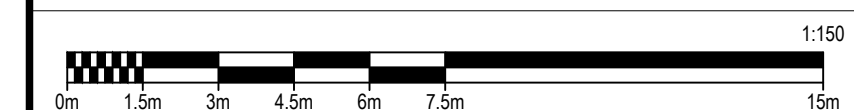
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BASEMENT 01

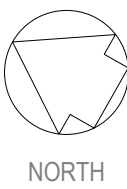
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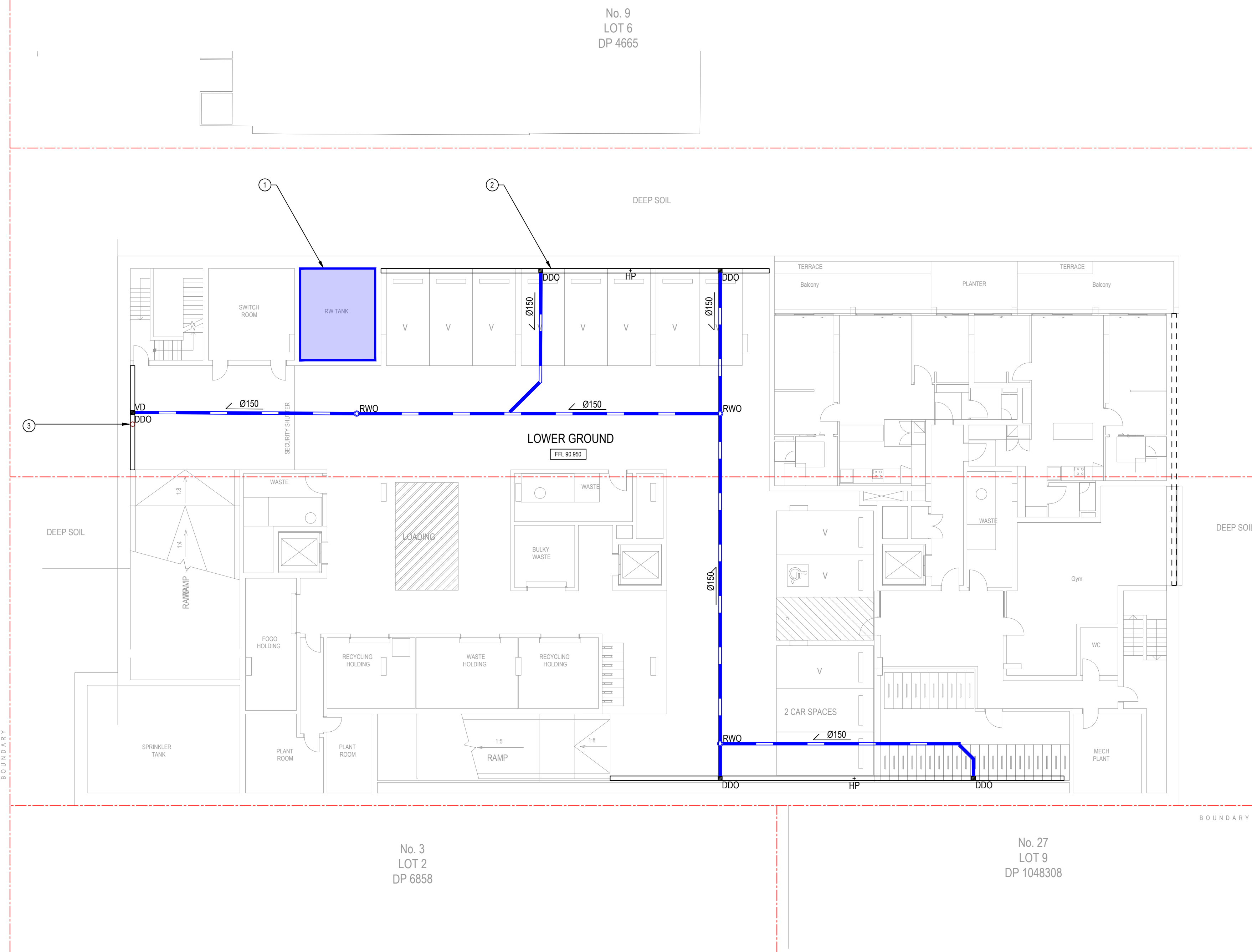
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PRINT COLOUR 



M I D D L E H A R B O U R R O A D

85.29 R/L
85.28 R/L
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85.07 R/L
85.06 R/L
85.05 R/L
85.04 R/L
85.03 R/L
85.02 R/L
85.01 R/L
85.00 R/L



LEGEND

- FALL → GENERAL SURFACE FALL
- PROPOSED RISING MAIN
- PROPOSED STORMWATER PIPE
- PROPOSED RAINWATER TANK
- PROPOSED STORMWATER PIT
- DDO PROPOSED DISH DRAIN OUTLET
- DD PROPOSED DISH DRAIN
- VD VERTICAL DROPPER
- +HP DISH DRAIN HIGH POINT
- FFL XXXX FINISHED FLOOR LEVEL
- RWO RAINWATER OUTLET
- Ø100 DIRECTION OF FLOW AND PIPE SIZE

- GENERAL NOTES**
- A. REFER TO PLAN NSW250002_C2003 FOR STORMWATER LAYOUT AT GROUND FLOOR AND FOR LOWER GROUND APARTMENT EXTERNAL AREAS.
- SPECIFIC NOTES**
- COMBINED 60KL RAINWATER TANK AND 109.2KL ON-SITE STORMWATER DETENTION (OSD) TANK TO BE PROVIDED.
 - CONCRETE DISH DRAIN AND SUBSOIL DRAINAGE TO BE PROVIDED AROUND BASEMENT PERIMETER TO COLLECT GROUND SEEPAGE (TYPICAL). DRAIN TO FALL MINIMUM 1% TOWARDS A RAIN OUTLET. SYSTEM TO BE DESIGNED IN ACCORDANCE WITH THE STRUCTURAL ENGINEERS REQUIREMENTS.
 - RISING MAIN FROM BASEMENT PUMP-OUT PIT TO DISCHARGE TO STREET VIA STORMWATER PIT ON GROUND LEVEL.

REV	DESCRIPTION	DATE	BY
B	ISSUED FOR DEVELOPMENT APPLICATION	04/04/25	NG
A	ISSUED FOR COORDINATION	01/04/25	NG

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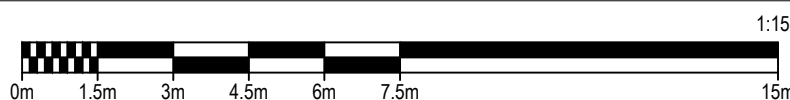
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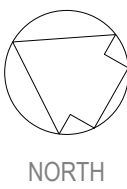
Drawing:
**CIVIL DRAWINGS
CONCEPT STORMWATER DRAINAGE PLAN -
LOWER GROUND**

NOT FOR CONSTRUCTION



Scale at A1: 1:150	Engineer: NG	Drawn: IC
Reference No. NSW250002	Drawing No. C2002	Rev. B

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NORTH

DESIGN SUMMARY

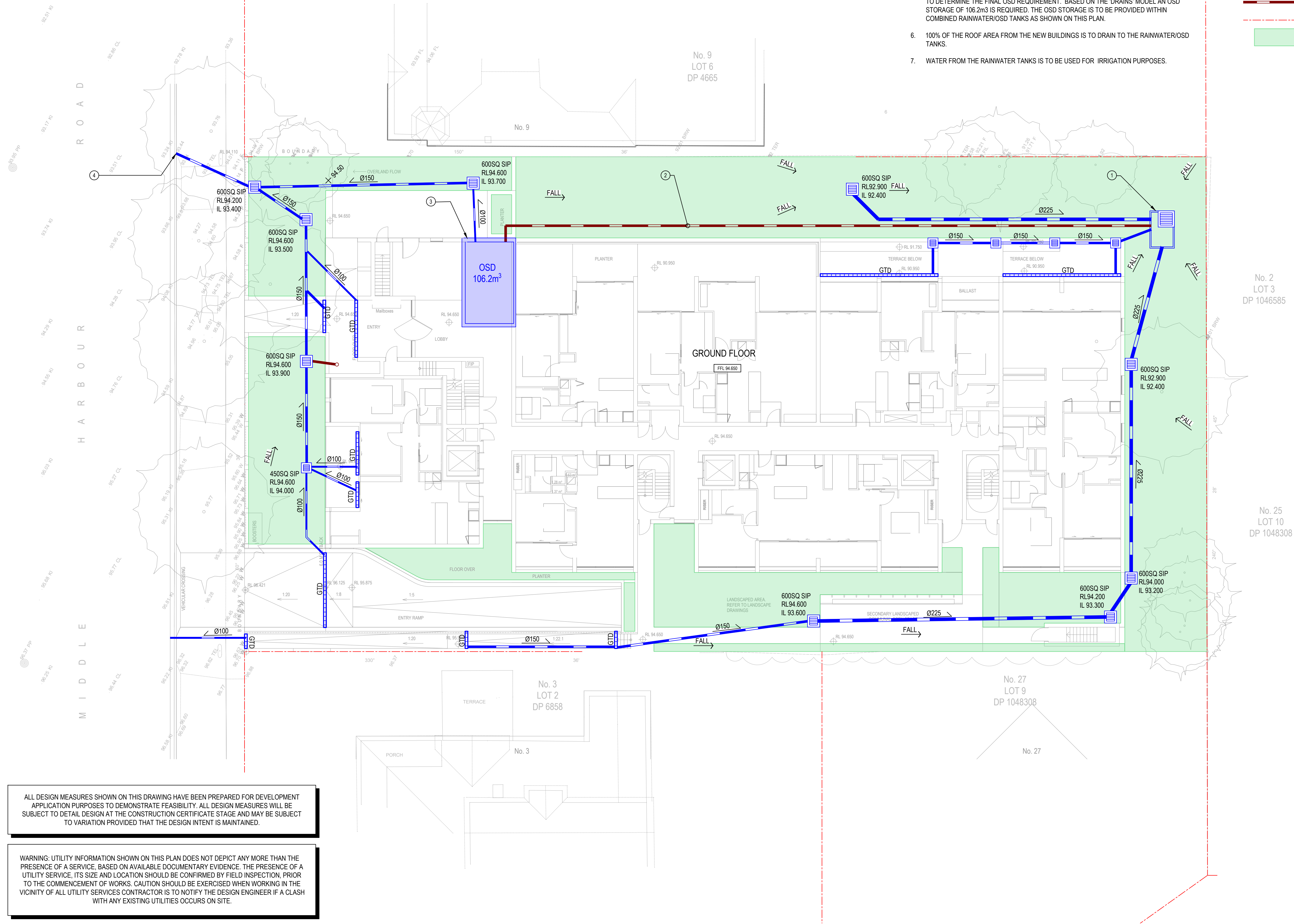
- PROPOSED RESIDENTIAL DWELLING DEVELOPMENT.
- A SUMMARY OF THE SITE CATCHMENT AREAS IS AS FOLLOWS:
TOTAL SITE AREA = 2,600m²
PRE-DEVELOPMENT -
 - IMPERVIOUS AREA = 1,419 m²
 - PERVIOUS AREA = 1,181 m²POST-DEVELOPMENT -
 - IMPERVIOUS AREA = 1,899 m²
 - PERVIOUS AREA = 701 m²
- TOTAL INCREASE IN IMPERVIOUS AREA = 480m² (REFER TO NSW250002_C2050).
- THE VOLUME REQUIRED FOR ON-SITE STORMWATER DETENTION (OSD) WAS CALCULATED IN ACCORDANCE WITH COUNCIL'S DCP. THE OSD HAS BEEN DESIGNED AS PER COUNCIL'S TECHNICAL GUIDE FOR WATER MANAGEMENT. REFER TO PLAN NSW250002_C2050 FOR DETAILS. A 'DRAINS' MODEL WAS COMPLETED TO ENSURE THAT THE DISCHARGE TO KERB WAS NOT MORE THAN 31L/s.
- TO SATISFY COUNCIL'S CRITERIA ABOVE, THE SITE REQUIRES A MINIMUM OF 87.36m³ ON-SITE STORMWATER DETENTION STORAGE (REFER TO PLAN NSW250002_C2050). DUE TO THE FRONT SITE AREA BYPASSING THE STREET, A 'DRAINS' MODEL WAS REQUIRED TO BE USED TO DETERMINE THE FINAL OSD REQUIREMENT. BASED ON THE 'DRAINS' MODEL AN OSD STORAGE OF 106.2m³ IS REQUIRED. THE OSD STORAGE IS TO BE PROVIDED WITHIN COMBINED RAINWATER/OSD TANKS AS SHOWN ON THIS PLAN.
- 100% OF THE ROOF AREA FROM THE NEW BUILDINGS IS TO DRAIN TO THE RAINWATER/OSD TANKS.
- WATER FROM THE RAINWATER TANKS IS TO BE USED FOR IRRIGATION PURPOSES.

LEGEND

- PROPOSED REDUCED LEVEL
- FALL →
- GENERAL SURFACE FALL
- FFL XXXX
- FINISHED FLOOR LEVEL
- PROPOSED ON-SITE STORMWATER DETENTION (OSD)/WATER QUALITY TREATMENT CHAMBER (WQTC)
- GTD
- PROPOSED GRATED TRENCH DRAIN
- PROPOSED STORMWATER PIT
- Ø100
- DIRECTION OF FLOW AND PIPE SIZE
- PROPOSED STORMWATER PIPE
- PROPOSED RISING MAIN
- PROPERTY BOUNDARY
- LANDSCAPED AREA - REFER TO LANDSCAPED ARCH PLAN

GENERAL NOTES

- PROPOSED INPIT FILTRATION DEVICES SUCH AS 'OCEANGUARD' BY 'OCEANPROTECT' OR APPROVED EQUIVALENT ARE TO BE INSTALLED IN EACH STORMWATER PIT.
 - THIS PLAN IS TO BE READ IN CONJUNCTION WITH THE INTRAX 'STORMWATER MANAGEMENT REPORT 5-7 MIDDLE HARBOUR ROAD, LINDFIELD'.
- #### SPECIFIC NOTES
- PUMP-OUT PIT TO BE PROVIDED AT GROUND LEVEL. INDICATIVE LOCATION SHOWN. PIT IS TO BE DESIGNED AT DETAILED DESIGN STAGE TO AUSTRALIAN STANDARDS. HOLDING TANK TO HAVE A MINIMUM VOLUME OF 3m³ AND PUMP CAPACITY OF 10L/s. PUMP-OUT PIT TO BE USED TO DRAIN GROUND OVERLAND FLOWS FROM LANDSCAPED AREA AND SUB-SOIL DRAINAGE ONLY.
 - RISING MAIN FROM PUMP-OUT PIT AT REAR TO DISCHARGE TO OSD TANK.
 - PROPOSED COMBINED 60KL RAINWATER AND 106.2KL OSD TANK. TANK TO BE FITTED WITH STORMWATER FILTRATION UNITS 4x690 PSORB STORMFILTERS BY OCEANPROTECT, OR APPROVED EQUIVALENT. BASE RL OF TANK 90.950. TOP WATER RL 99.057. GRATED TANK ACCESS LIDS TO BE PROVIDED WITHIN GARDEN BED ABOVE AT LEVEL 1. RAINWATER TANK STORAGE IS BELOW GROUND FLOOR WITHIN BASEMENT 1 CARPARK.
 - PROPOSED 150x100 RHS OUTLET TO KERB. INVERT LEVEL u/s: 93.400. INVERT LEVEL d/s: 93.250. MAXIMUM DISCHARGE TO KERB 25L/s.



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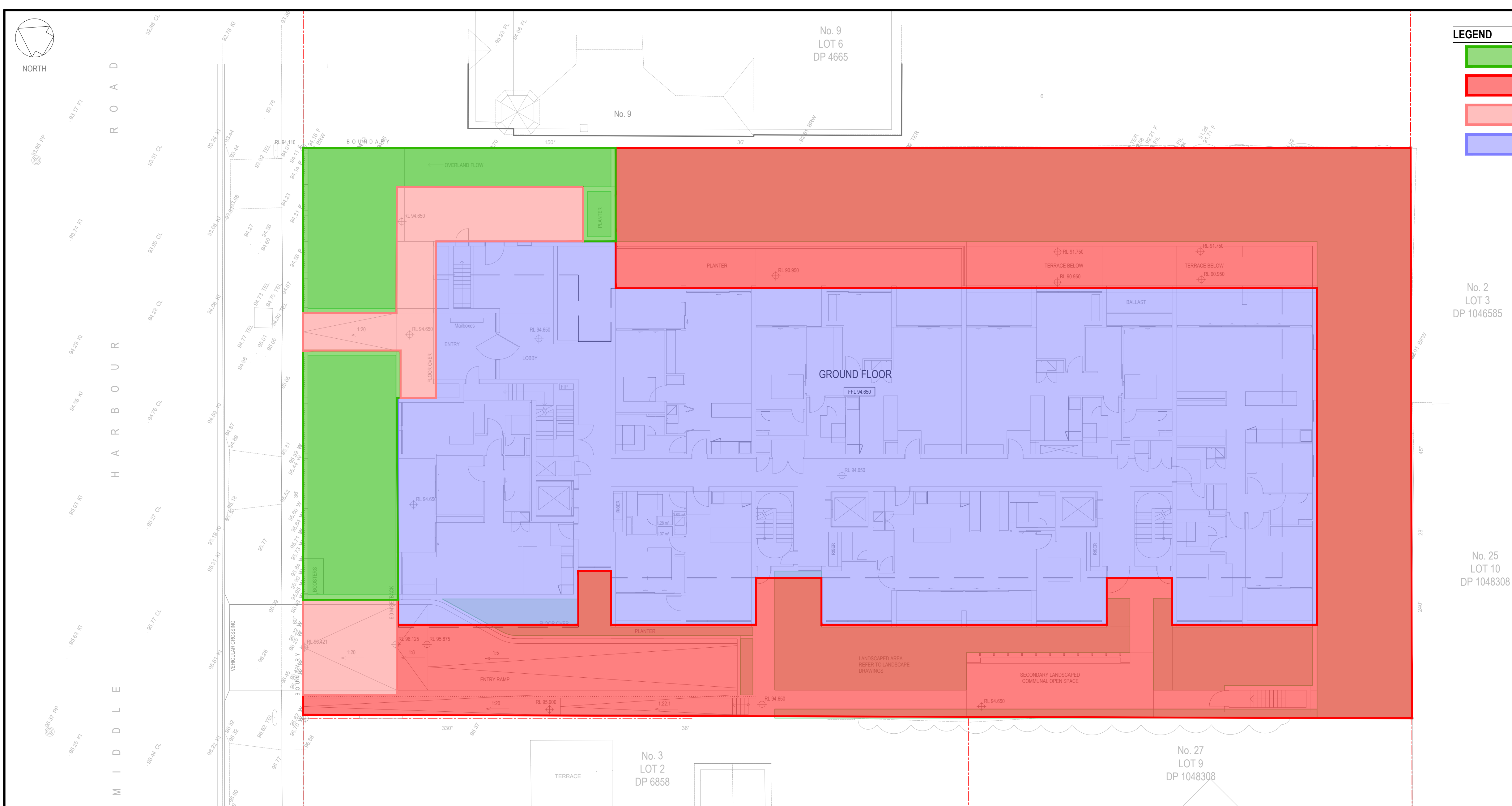
Project:
5-7 MIDDLE HARBOUR ROAD, LINDFIELD

Drawing:
CIVIL DRAWINGS
CONCEPT STORMWATER DRAINAGE PLAN -
GROUND FLOOR

NOT FOR CONSTRUCTION

Scale at A1: 1:150
Reference No: NSW250002
Drawing No: C2003
Rev: B

PRINT COLOUR



PART 4: On-site Stormwater Detention

4.1 On-site Detention Calculation Sheet

On-Site Detention Calculation Sheet			
Address 5-7 Middle Harbour Road, Lindfield			
Catchment Detail			
1. Catchment Name	GC1 Gordan Creek		
2. Catchment Discharge Rate	128	l/sec/m²	A
3. Catchment Storage Rate	336	m³/m²	B
Site Details			
4. Site Area	2,600m²	60% of site area	1,560 m² C
5. Area(s) not draining to the detention system	300m²		
6. Total impervious area (roofs, driveways, paving, etc.)	1,899	m²	D
7. Impervious area bypassing detention system	116	m²	E
Permitted Site Discharge			
8. C [2,600m²] x A [128 l/sec/m²]	33.28	l/sec	Flow 1
9. Adjustment for any uncontrolled impervious flow E / D =	0.061	(+0.25)	F
10. Flow 1 [33.28 l/sec] x F [0.075]	2.03	l/sec	Flow 2
11. Flow 1 [33.28 l] - Flow 2 [2.03 l]	31.25	l/sec	PSD
Site Storage Requirement			
12. C [2,600m²] x B [336 m³/m²]	87.36	m³	SSR1
13. If the storage is in a landscaped basin, SSR1 x 1.2 =	N/A	m³	SSR2
Outlet Control			
14. Height difference between top water surface level and the centre of the orifice	5.13	m	G
15. Orifice Diameter	21.8 x PSD / √G	81	mm OD
PSD = Permitted Site Discharge SSR1 = Site Storage Requirement (except for landscaped basins) SSR2 = Site Storage Requirement (landscaped basins) (Note: Use only SSR1 or SSR2) OD = Orifice Diameter			
Signature: <i>N. Grimmer</i> Name: Nicholas Grimmer			
Qualifications: BEng (Civl) (Hons) Date: 04/04/2025			

LAND USE/SURFACE TYPE	TOTAL AREA (m²)	IMPERVIOUS AREA		PERVIOUS AREA	
		(m²)	(%)	(m²)	(%)
Pre-development Scenario					
Residential Area to Front	756	505	67%	251	33%
Residential Area to Rear	1844	914	50%	930	50%
TOTAL	2600	1419	67%	1181	33%
Post-development Scenario					
Roof Area to Water Quality Chamber	1248	1248	100%	0	0%
Area to Rear - Pump Out Pit/Water Quality Chamber	1034	535	52%	499	48%
Area to Street - Bypassing OSD	318	116	36%	202	64%
TOTAL	2600	1899	73%	701	27%

TABLE '1' - SUMMARY OF SITE CATCHMENT AREAS

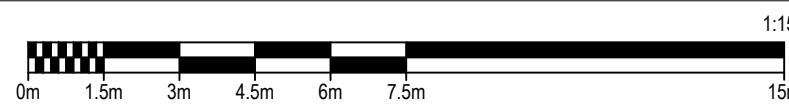


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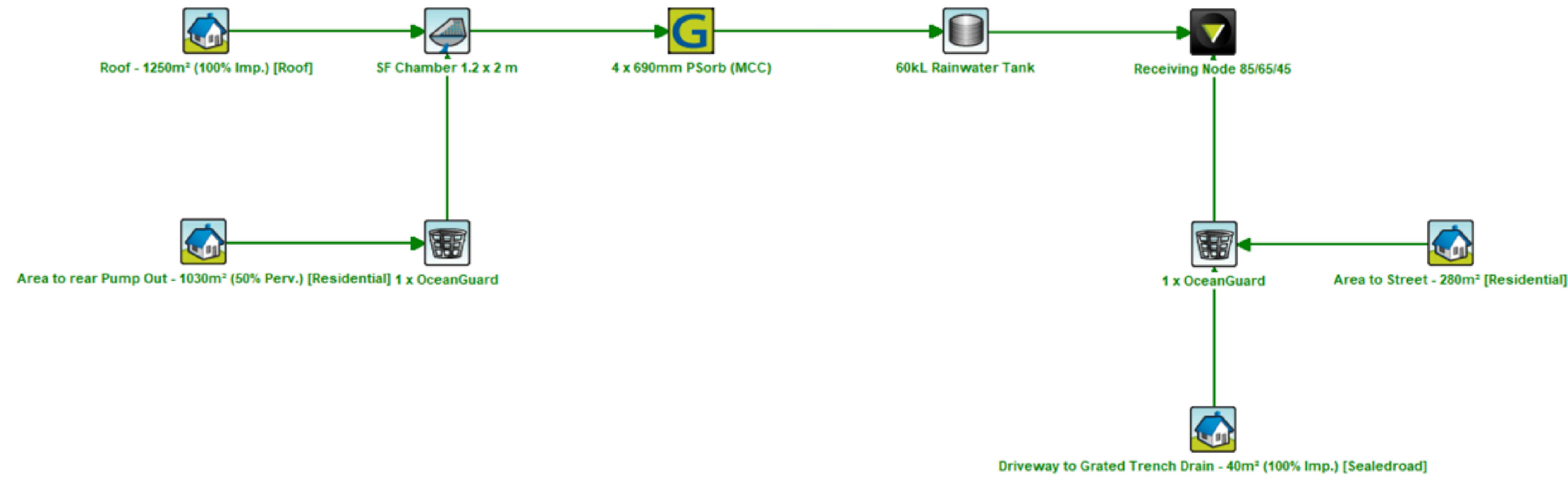
Project:
5-7 MIDDLE HARBOUR ROAD, LINDFIELD

Drawing:
CIVIL DRAWINGS
CONCEPT CATCHMENT AREA AND OSD
DESIGN PLAN

NOT FOR CONSTRUCTION



Scale at A1: 1:150
Engineer: NG
Drawn: IC
Reference No: NSW250002
Drawing No: C2050
Rev: B



'MUSIC' MODEL DIAGRAM

LAND USE/SURFACE TYPE	MUSIC ZONING/ SURFACE TYPE	TOTAL AREA (ha)	SUB-CATCHMENT AREAS (ha/% Imp.)	
Post-development			B1	
Roof Area to Water Quality Chamber	Roofs	0.125	0.125	100%
Area to Rear - Pump Out Pit/Water Quality Chamber	Residential	0.103	0.054	52%
Area to Street - Bypassing OSD	Residential	0.028	0.012	36%
Driveway to Grated Trench Drain	Sealed roads	0.004	0.004	100%
Total		0.260	0.178	71%

TABLE '2' - SUMMARY OF SITE CATCHMENT AREAS

Treatment Train Effectiveness - Receiving Node 85/65/45			
	Sources	Residual Load	% Reduction
Flow (ML/yr)	2.53	1.9	24.9
Total Suspended Solids (kg/yr)	209	25.6	87.7
Total Phosphorus (kg/yr)	0.526	0.18	65.8
Total Nitrogen (kg/yr)	5.38	2.31	57.1
Gross Pollutants (kg/yr)	58.4	2.95E-5	100

TABLE '3' - TREATMENT TRAIN EFFECTIVENESS

B	ISSUED FOR DEVELOPMENT APPLICATION	04/04/25	NG
A	ISSUED FOR COORDINATION	01/04/25	NG
REV	DESCRIPTION	DATE	BY

Client:
CASTLE 38 PTY LTD

Architect:
CORTESE ASSOCIATES PTY LTD



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0m1.5m3m4.5m6m7.5m15m

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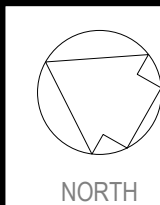
Engineer: NG

Drawn: IC

Reference No. NSW250002

Drawing No. C2051

Rev. B



ALL DESIGN MEASURES SHOWN ON THIS DRAWING HAVE BEEN PREPARED FOR DEVELOPMENT APPLICATION PURPOSES TO DEMONSTRATE FEASIBILITY. ALL DESIGN MEASURES WILL BE SUBJECT TO DETAIL DESIGN AT THE CONSTRUCTION CERTIFICATE STAGE AND MAY BE SUBJECT TO VARIATION PROVIDED THAT THE DESIGN INTENT IS MAINTAINED.

TABLE '1' - CUT AND FILL VOLUMES			
STAGE	CUT	FILL	NET
TOTAL	16993m³	20m³	16973m³ (CUT)

NOTES:

1. 300MM TOPSOIL STRIPPING HAS BEEN ALLOWED FOR IN THIS MODEL.
2. NO ALLOWANCE HAS BEEN MADE FOR BULKING FACTORS. NOTE ALL VOLUMES DEPICTED ARE SOLID VOLUMES ONLY AND MAY NOT REFLECT DETAILED EARTHWORKS.
3. NO ALLOWANCE HAS BEEN MADE FOR DETAILED EARTHWORKS, i.e. SERVICE TRENCHING, DETAILED EXCAVATION, FOOTINGS, RETAINING WALLS, DRIVEWAYS, FOOTPATHS AND THE LIKE. CONTRACTOR IS TO ALLOW FOR REMOVAL OF ALL EXCESS MATERIAL GENERATED BY THE WORKS.

MIN. LEVEL	MAX. LEVEL	COLOUR
-11.521	-10.000	
-10.000	-8.000	
-8.000	-6.000	
-6.000	-4.000	
-4.000	-2.000	
-2.000	0.000	
0.000	1.000	
1.000	2.590	

GENERAL NOTES

1. LEVELS ARE IN RELATION TO NATURAL SURFACE.
2. CONTOURS SHOWN ON DRAWING ARE BULK EARTHWORKS LEVELS.

B	ISSUED FOR DEVELOPMENT APPLICATION	04/04/25	NG	
A	ISSUED FOR COORDINATION	01/04/25	NG	
REV	DESCRIPTION	DATE	BY	

Client: **CASTLE 38 PTY LTD**

Architect:
CORTESE ASSOCIATES PTY LTD



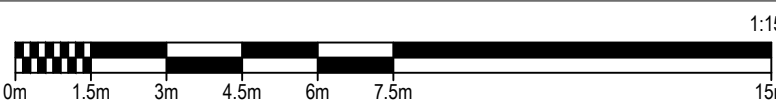
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