

NOTE

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ABBREVIATIONS

AH----ACCESS HATCH
DDO---DISH DRAIN OUTLET
CO----CLEAR OUT
DCP----DISCHARGE CONTROL PIT
DP-----DOWNPIPE
FFL----FINISH FLOOR LEVEL
FW-----FLOOR WASTE
GL-----GROUND FLOOR LEVEL
IL-----INVERT LEVEL
OSD-----ON SITE DETENTION
PD-----PLANTERS DRAIN
PFO----PLANTER FLOOR OUTLET
PP-----PLANTER PIT
RH-----RAINWATER HEAD
RP-----RELN PIT
RO-----ROOF OUTLET
SDO---STRIP DRAIN OUTLET
SIP----SURFACE INLET PIT
STP----SILT TRAP PIT
SP-----SPREADER
TD-----TUN DISH

SITE INFORMATION

- NORTHERN BEACHES COUNCIL
- TOTAL SITE AREA: 1033.0m²
- PRE- IMPERVIOUS AREA: 831.77m²
(DRIVEWAY, POOL, ROOF AREAS)
- PRE-IMPERVIOUS AREA RATIO: 80.51%
- POST- IMPERVIOUS AREA: 831.81m²
(DRIVEWAY, POOL, ROOF AREAS)
- POST-IMPERVIOUS AREA RATIO: 80.52%

FOR ALTERATION AND ADDITIONS IN REGION 2,
OSD IS NOT REQUIRED AS PER COUNCIL'S DCP.

NORTHERN BEACHES COUNCIL WATER MANAGEMENT FOR DEVELOPMENT POLICY VERSION 2 2021

Map 2 – Northern Beaches Stormwater Regions



STORMWATER CHECKLIST

Part 4.2.2 Exemption

Is the site area less than 450m ² ?	Yes ☐ No ☒
Does the site of the development drain directly to the ocean without the need to pass through a drainage control structure such as pipe, bridge, culvert, kerb and gutter or natural drainage system?	Yes ☐ No ☒
Is it an alternation and addition development to the existing dwellings?	Yes ☒ No ☐
If yes to any of the above questions, OSD is not required. If no to all the above questions, proceed to part 4.2.3	

SECTION

SCALE: A
D1



SITE AND GROUND FLOOR STORMWATER DRAINAGE CONCEPT PLAN - PART A

SCALE: 1:100

REV.	DATE	BY	CHECKED	AMENDMENTS
C	24 OCT 25	L.Z.	S.W.W.	FOR DA
B	16 OCT 25	L.Z.	S.W.W.	DRAWING UPDATE
A	16 OCT 25	L.Z.	S.W.W.	PRELIMINARY ISSUE

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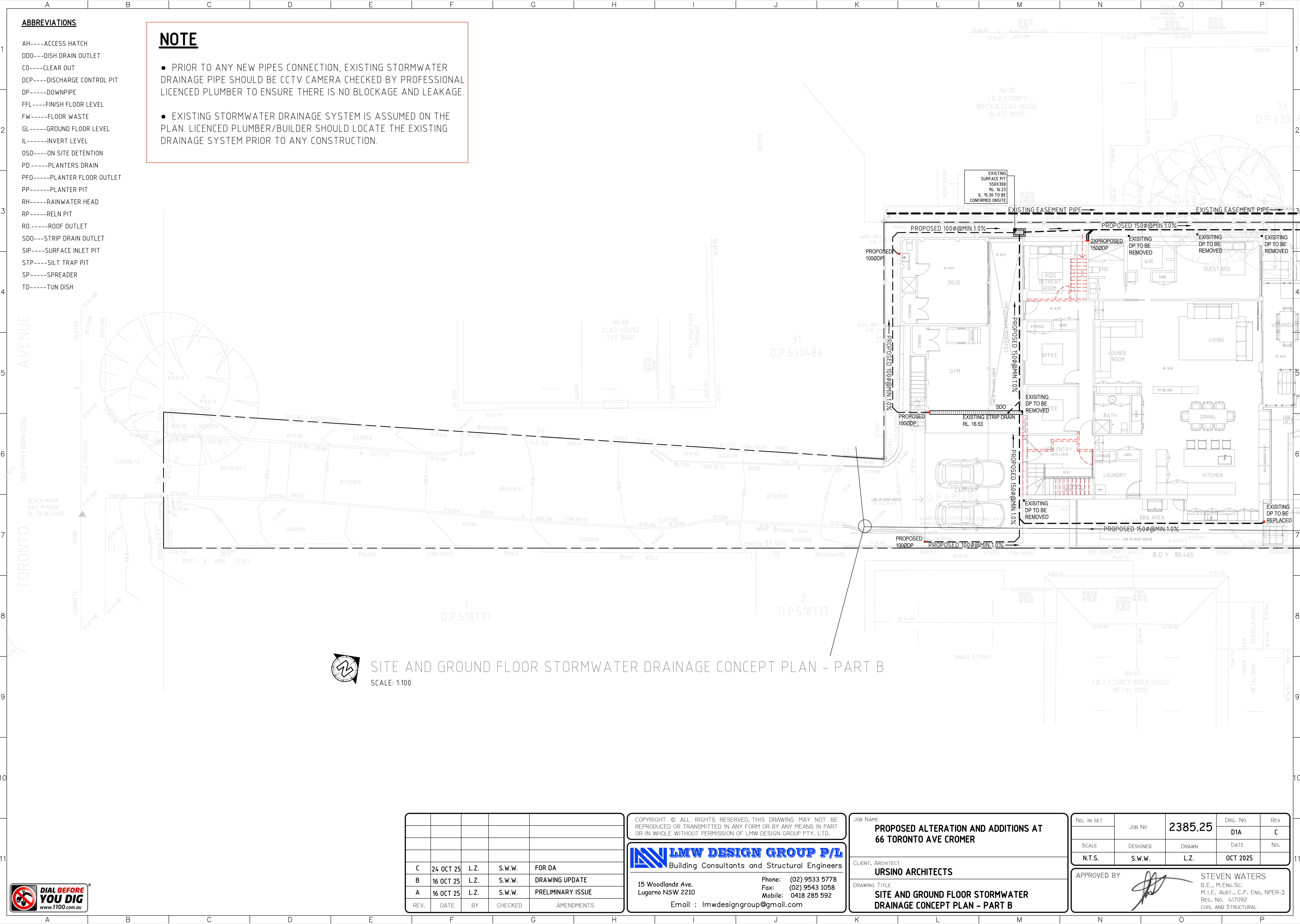
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JOB NAME:
**PROPOSED ALTERATION AND ADDITIONS AT
66 TORONTO AVE CROMER**

CLIENT, ARCHITECT:
URSINO ARCHITECTS

DRAWING TITLE:
**SITE AND GROUND FLOOR STORMWATER
DRAINAGE CONCEPT PLAN - PART A**

No. IN SET	JOB No	2385.25	DRG. No	REV
			D1	C
SCALE	DESIGNED	DRAWN	DATE	No.
N.T.S.	S.W.W.	L.Z.	OCT 2025	
APPROVED BY		STEVEN WATERS B.E., M.Eng.Sc. M.I.E. Aust., C.P. Eng, NPER-3 REG. No. 417092 CIVIL AND STRUCTURAL		



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SITE AND GROUND FLOOR STORMWATER DRAINAGE CONCEPT PLAN - PART B
SCALE: 1:100

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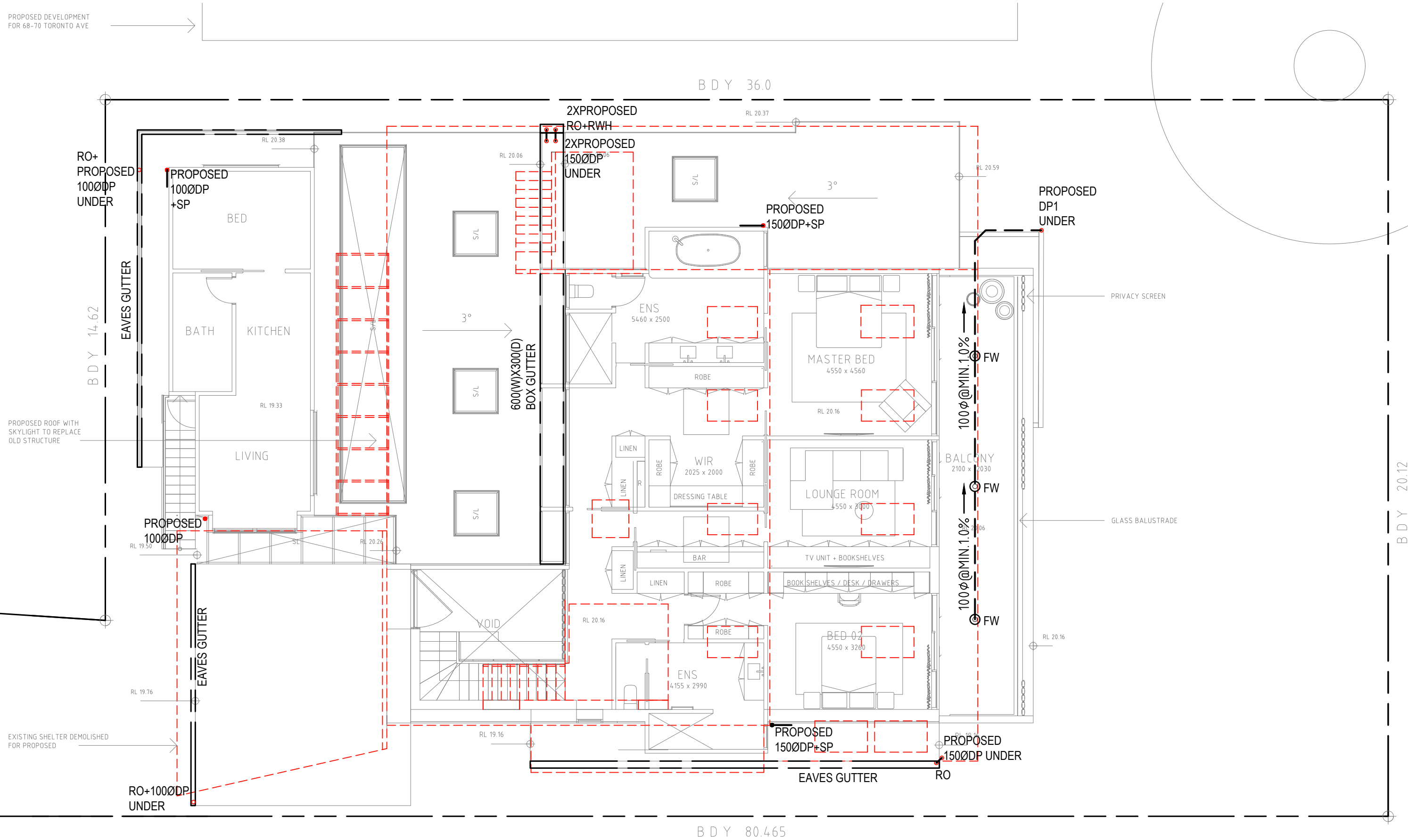


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FIRST FLOOR STORMWATER DRAINAGE CONCEPT PLAN SCALE: 1:100

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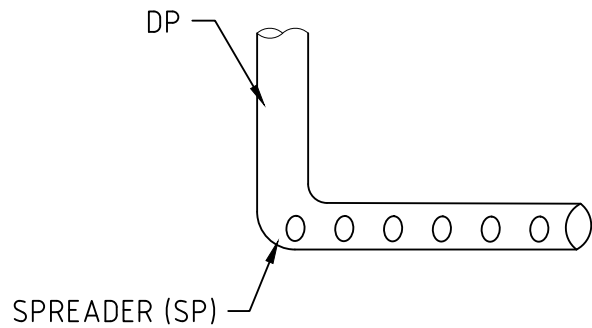
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DOWNPIPE SIZING:

ALL THE DOWNPIPES ARE DESIGNED FOR A 1:20 ARI, 208mm/h.

1. MAIN ROOF CATCHMENT AREA: 324.0m²
2. ARI 5MIN/20YR: 208mm/h
3. DOWNPIPE SIZE: Ø150mm
4. NO. OF DP: 2.87 = 3 DP
5. NO. OF DP PROVIDED: 3DP



SPREADER DETAIL



ROOF FLOOR STORMWATER DRAINAGE CONCEPT PLAN SCALE: 1:100

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