



New House for
R + J MacKenzie
 22 Galilee Lane_CHCH
 Lot No: 03, Deposited Plan: 414077

CONSULTANTS

STRUCTURAL / CIVIL ENGINEERS
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BUILDING CONSENT ISSUE

ID	ISSUE NAME	DATE
01	BC RFI	15/02/22

ID	DESCRIPTION	DATE
RFI 1	CONSTRUCTION ISSUE - REV 01	15/02/22

REVISION

Lower Plumbing & Drainage Plan

SCALE : 1:100 AT A2

DATE : 15/02/22

PROJECT No : 5314

A1.06

REVISION NO 01

COMMON

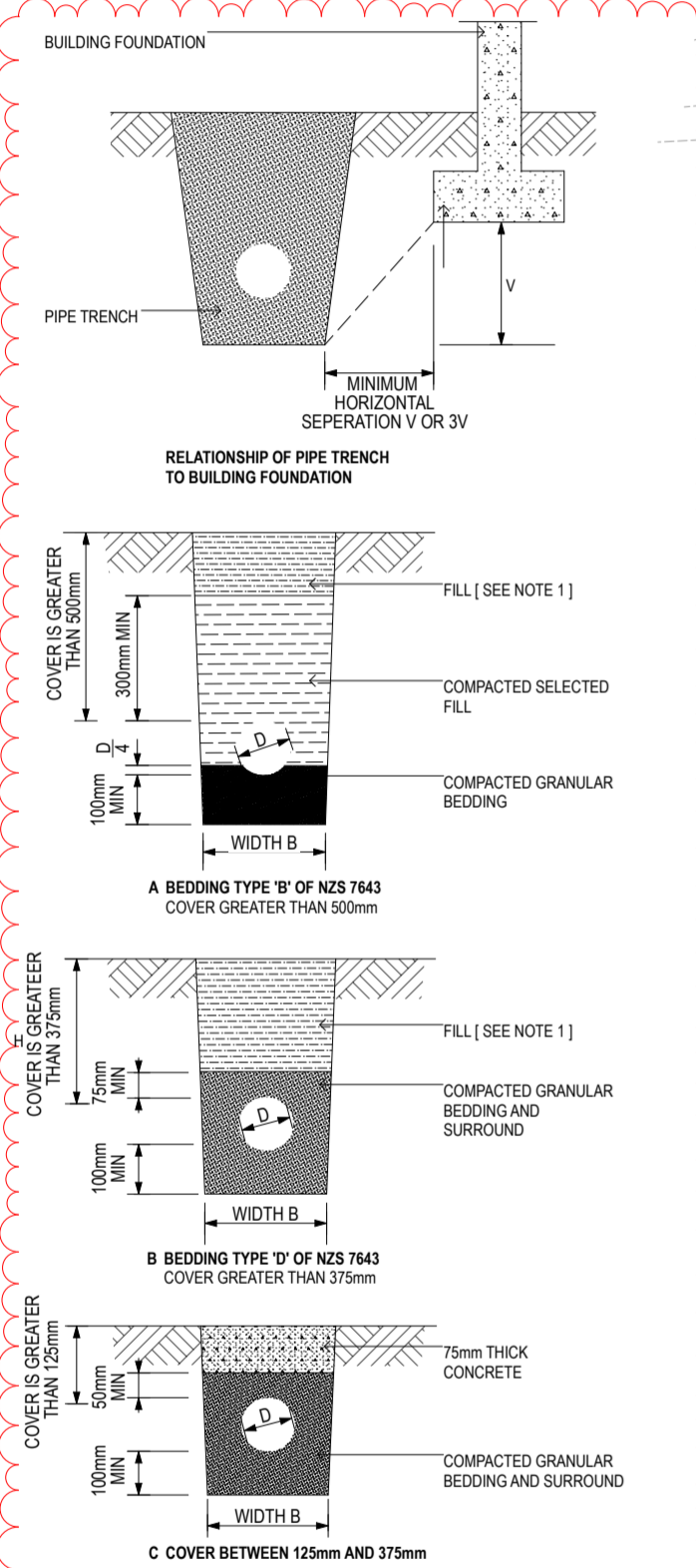
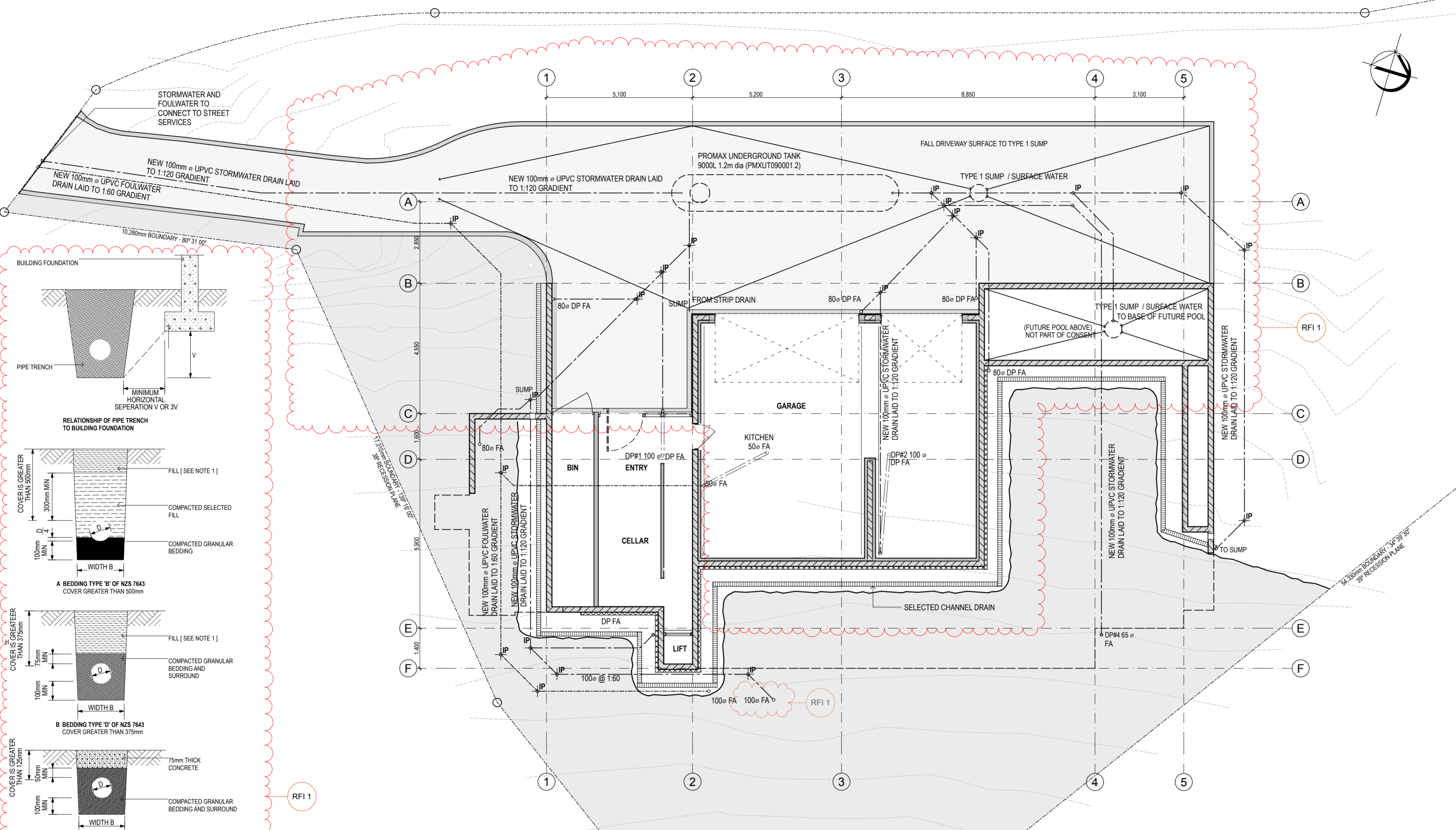
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 New Zealand

Studio 03 379 0111

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DO NOT SCALE DRAWING
 CONTRACTOR TO VERIFY ALL DIMENSIONS PRIOR TO COMMENCING WORK



DRAINAGE NOTES:

- * REFER TO CIVIL ENGINEER'S DOCUMENTATION FOR CONNECTIONS TO WASTE WATER & STORMWATER SYSTEM
- IP
- ORG
- TV
- TB
- FA
- FA
- SUMP
- O/F
- DP

DRAINAGE NOTES:

- = NEW FOUL WATER DRAINS.
- = NEW 100mm UPVC STORMWATER DRAINS LAID 1:120
- = INSPECTION POINT
- = OVERFLOW RELIEF GULLY
- = 100Ø TERMINAL VENT
- = TO BELOW
- = FROM ABOVE
- = SUMP - BY CIVIL ENGINEER
- = OVERFLOW TO SOFFIT BELOW
- = DOWNPIPE FROM TERRACE OR ROOF ABOVE
- ALLOW TO SOUND INSULATE ALL PIPES AND SERVICES CONCEALED WITHIN INTERNAL WALL STRUCTURES.
- FOULWATER DRAINAGE TO COMPLY WITH AS/NZS 3500
- STORMWATER TO COMPLY WITH NZBC E1
- ALL WORK TO BE CARRIED OUT BY A REGISTERED DRAINLAYER
- LOCATION OF EXISTING CONNECTION SERVICES ARE INDICATIVE. CONTRACTOR TO VERIFY LOCATIONS PRIOR TO COMMENCING WORK.

ROOFING CALCULATIONS

DP #	ROOF AREA	PITCH
DP# 1	94m ²	0.55° - 3.68°
DP# 2	141m ²	0.55° - 3.68°
DP# 3	18m ² (14+2+2)	0.55°
DP# 4	18m ² (16+2)	0.55°

WASTE WATER CALCULATIONS

PIPE + GRADIENT + DISCHARGE UNITS	DP SIZE
WC = 100mm Ø - 1:60 GRADIENT - 2 UNITS	100Ø
KITCHEN SINK = 50mm Ø - 1:40 GRADIENT - 1 UNIT	100Ø
SHOWER OUTLET = 50mm Ø - 1:40 GRADIENT - 2 UNITS	65Ø
LAUNDRY TUB = 50mm Ø - 1:40 GRADIENT - 1 UNIT	65Ø
HAND BASIN = 40mm Ø - 1:40 GRADIENT - 4 UNITS	65Ø

Upper Plumbing & Drainage Plan

SCALE : 1:100, 1:2 AT A2

DATE : 15/02/22

PROJECT No : 5314

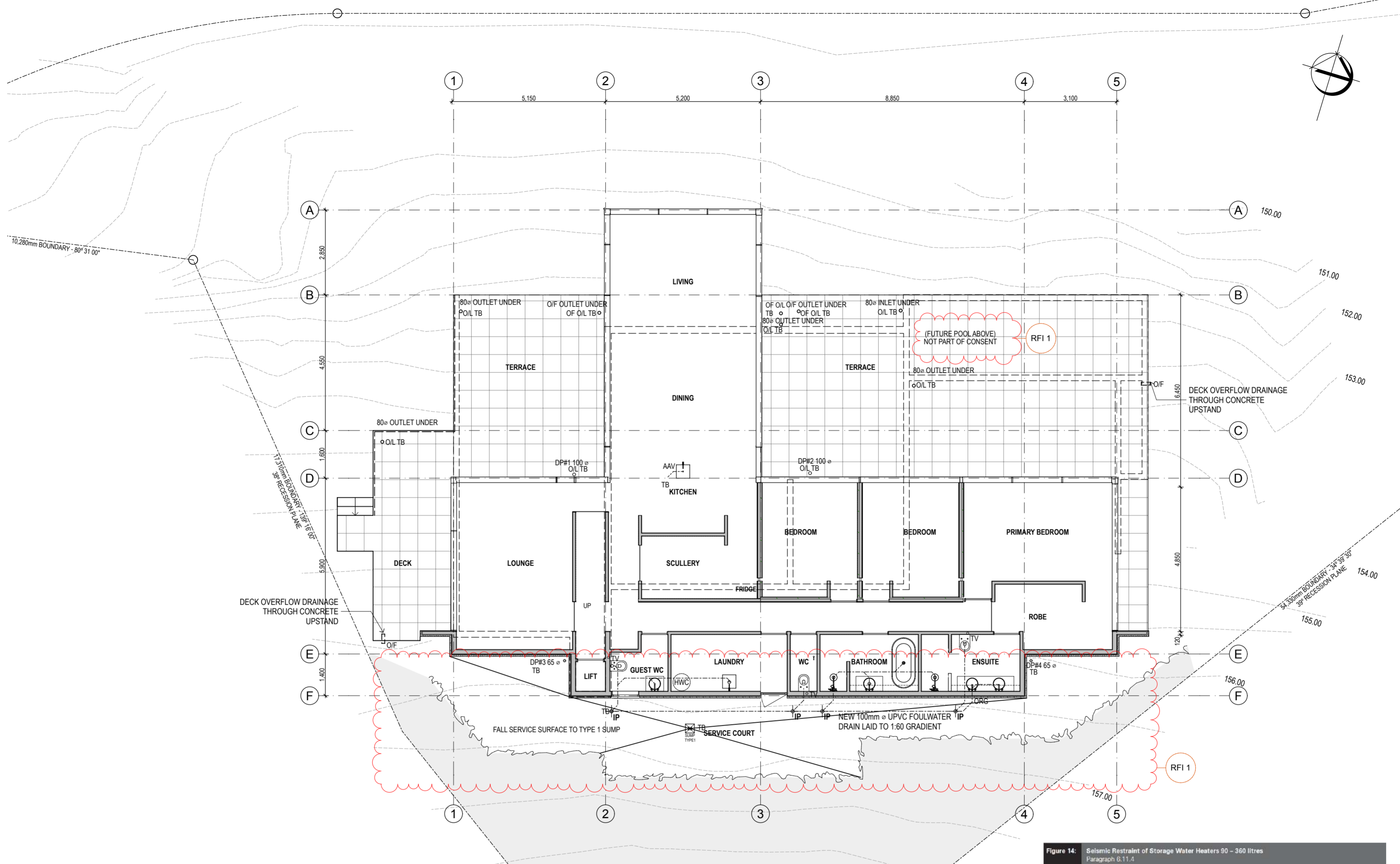
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DRAINAGE NOTES

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- IP = INSPECTION POINT
- ORG = OVERFLOW RELIEF GULLEY
- TV = 100mm TERMINAL VENT
- TB = TO BELOW
- FA = FROM ABOVE
- SUMP = SUMP - BY CIVIL ENGINEER
- O/F = OVERFLOW TO SOFFIT BELOW
- DP = DOWNPIPE FROM TERRACE OR ROOF ABOVE. NOTE ALL DECK DRAINAGE OUTLETS TO BE ALLPROOF ALLTHROUGH WITH PLASTIC SLEEVE
- O/L = DECK DRAINAGE OUTLET

- ALLOW TO SOUND INSULATE ALL PIPES AND SERVICES CONCEALED WITHIN INTERNAL WALL STRUCTURES.

- FOULWATER DRAINAGE TO COMPLY WITH AS/NZS 3500
- STORMWATER TO COMPLY WITH NZBC E1
- ALL WORK TO BE CARRIED OUT BY A REGISTERED DRAINLAYER
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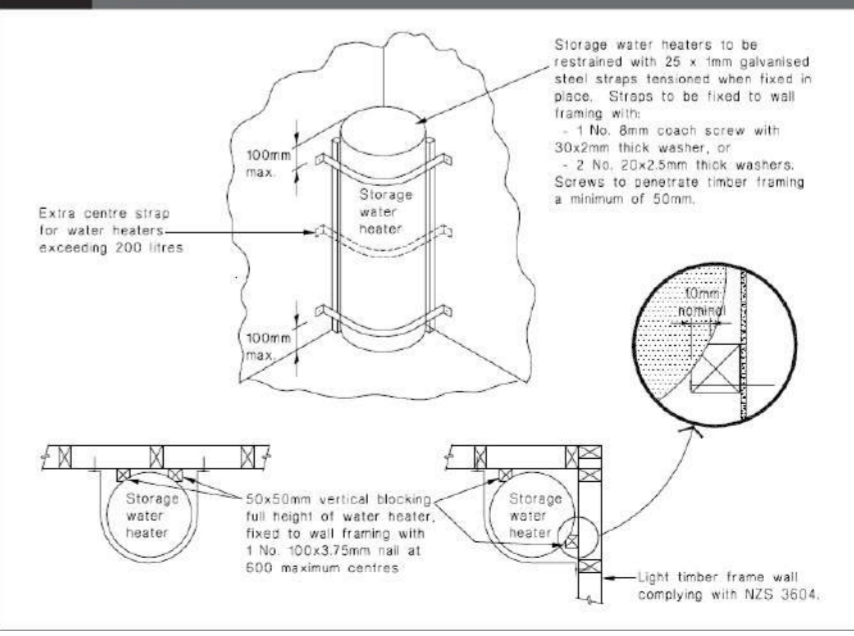
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SHOWER OUTLET = 50mm Ø - 1:40 GRADIENT - 2 UNITS
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Figure 14: Seismic Restraint of Storage Water Heaters 90 - 360 litres Paragraph 6.11.4



01 HOR WATER CYLINDER - SEISMIC RESTRAINT 1:2

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