



PROJECT
PROPOSED RESIDENTIAL DEVELOPMENT

ADDRESS
14 Beach Street, Ettalong Beach

CLIENT
Ton Carr

PROJECT No.
26G6751

DRAWING LIST

- S01 DRAINAGE PLAN
- S02 DRAINAGE DETAILS
- S03

orders@grandengineering.com.au ABN: 9465 0535 989
www.grandengineering.com.au Ph: 1300 816 816

© Copyright: This design is the property of GRAND ENGINEERING, and must not be used, reproduced and copied wholly or in part without formal consent from the company. All setouts to be done based on architectural specifications. Do not scale off drawings. Use noted dimensions only. Any discrepancy or other concerns regarding constructability of provided design and detail are to be confirmed with engineer and architect before starting any works on site.

A	ISSUE FOR REVIEW	S.P.	S.P.	S.P.	02.06.26
REV	REVISION	DRAWN	ENG	CHECK	DATE

AMENDMENTS


Director/Principal Engineer
Santosh Paudel
B. Eng (Civil/Structural) MIE (Aust)
santosh@grandengineering.com.au
0411348603

STATUS: ISSUED FOR REVIEW			
DATE: 02.06.2026	DRAWN: S.P.	CHECKED: S.P.	REVISION: A

NOTES

CENTRAL COAST COUNCIL (WYONG LGA)

PROPOSED DUAL OCCUPANCY

TOTAL SITE AREA = 651.20m²

ROOF AREA = 299.52m²

TOTAL IMP. AREA = 458.08m² (70.33%)

$$V = 0.01A(0.02F)^2 = 0.01 \times 651.20 \times (0.02 \times 70.33)^2 = 12.89\text{m}^3$$

RAINWATER RE-USE:

$$= 35\text{L/m}^2 \times 299.52 \times 50\% \text{ (TOILET \& LAUNDRY)} = 524.16\text{L}$$

BALANCE TO BE RETAINED ON SITE = 12.89 - 5.2416 = 7.6457m³ (SLOWLY RELEASE).

PROVIDE 2x3000L FOR RAINWATER REUSE

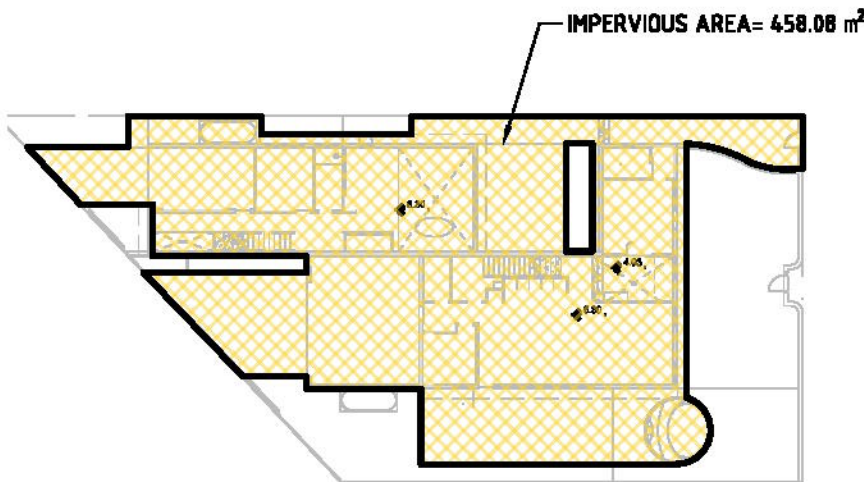
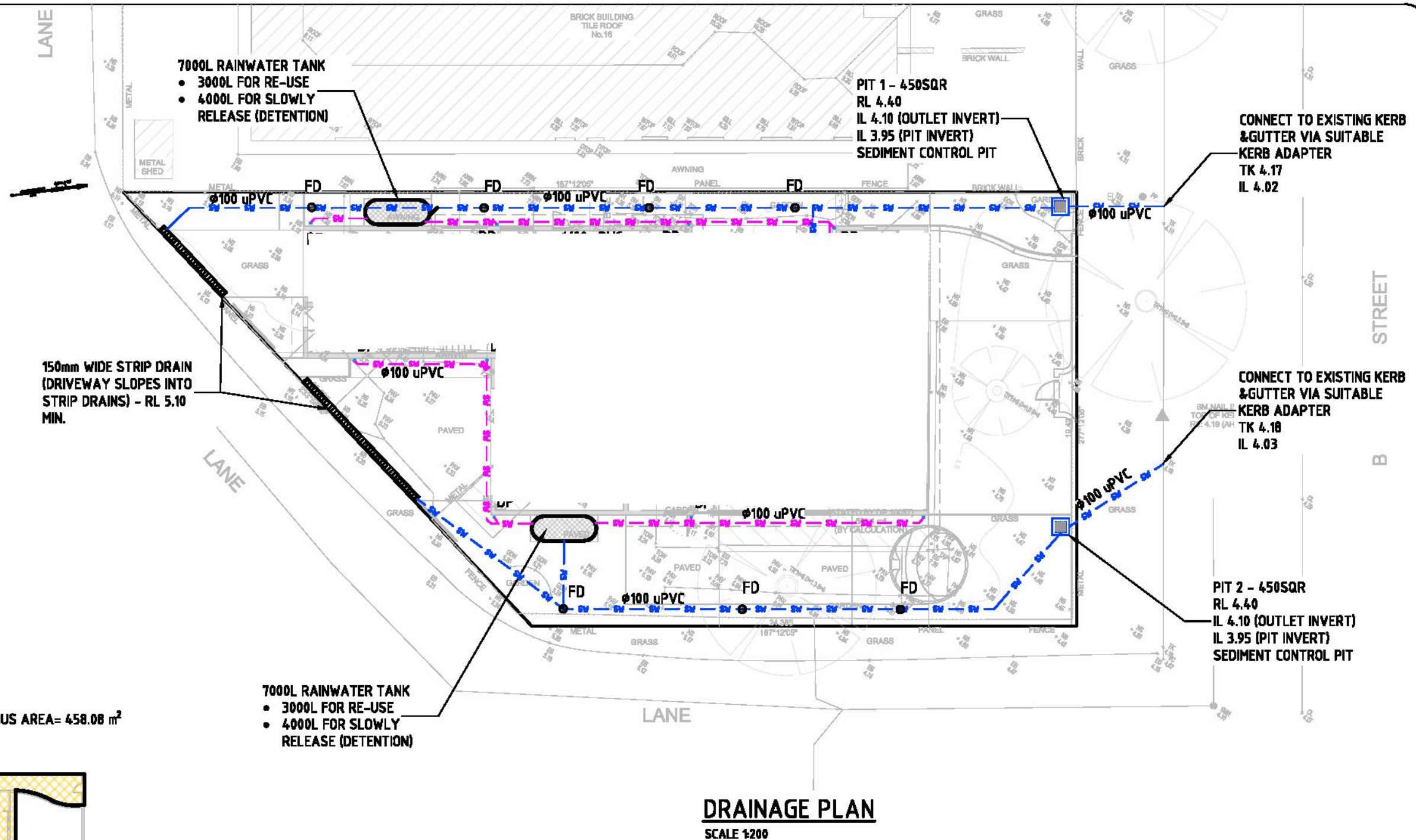
PROVIDE 2x4000L FOR SLOWLY RELEASED

RAINWATER RE-USE SHALL BE CONNECTED INTO WASHING MACHINE, OUTDOOR IRRIGATION AND/OR TOILETS.

ALL CHARGED LINES MUST BE OF PRESSURE GRADE AND JOINTS ARE TO BE SOLVENT WELDED.

THE PIPE SYSTEM INCLUDING DOWNPIPES MUST BE CONSTRUCTED FROM SUITABLY DURABLE MATERIALS.

ENSURE FINISH SURFACE LEVEL SLOPES AWAY FROM BUILDING FOOTPRINT.



LEGENDS

---	SITE BOUNDARY
---	EXISTING CONTOUR
SW	PROPOSED STORMWATER LINE
SW	PROPOSED ROOFWATER LINE
SW	EXISTING STORMWATER LINE
---	PROPOSED AGI LINE

Santosh
 Director/Principal Engineer
 Santosh Paudel
 B. Eng (Civil/Structural) MIE (Aust)
 santosh@grandengineering.com.au
 0411348603

GRAND ENGINEERING
 Structural Geotech Stormwater
 orders@grandengineering.com.au
 www.grandengineering.com.au
 ABN: 9405 0535 989
 Ph: 1300 816 818

NININ

hello@ninin.com.au
 Mobile 0403 898 560
 www.nininstudio.com.au

© Copyright This design is the property of GRAND ENGINEERING, and must not be used, reproduced and copied wholly or in part without formal consent from the company. All surveys to be done based on architectural specifications. Do not scale off drawings. Use noted dimensions only. Any discrepancy or other concerns regarding constructability of provided design and detail are to be confirmed with engineer and architect before starting any works on site.

REV	REVISION	DRAWN	ENG	CHECK	DATE
A	ISSUE FOR REVIEW	S.P.	S.P.	S.P.	02.08.26
AMENDMENTS					

SITE:
 14 Beach St, Ettalong Beach

CLIENT:
 Ton Carr

STATUS:
 ISSUED FOR REVIEW

DRAWING TITLE:
 DRAINAGE PLAN

SCALE AT A3:
 DATE: 02.06.2026
 DRAWN: S.P.
 CHECKED: S.P.

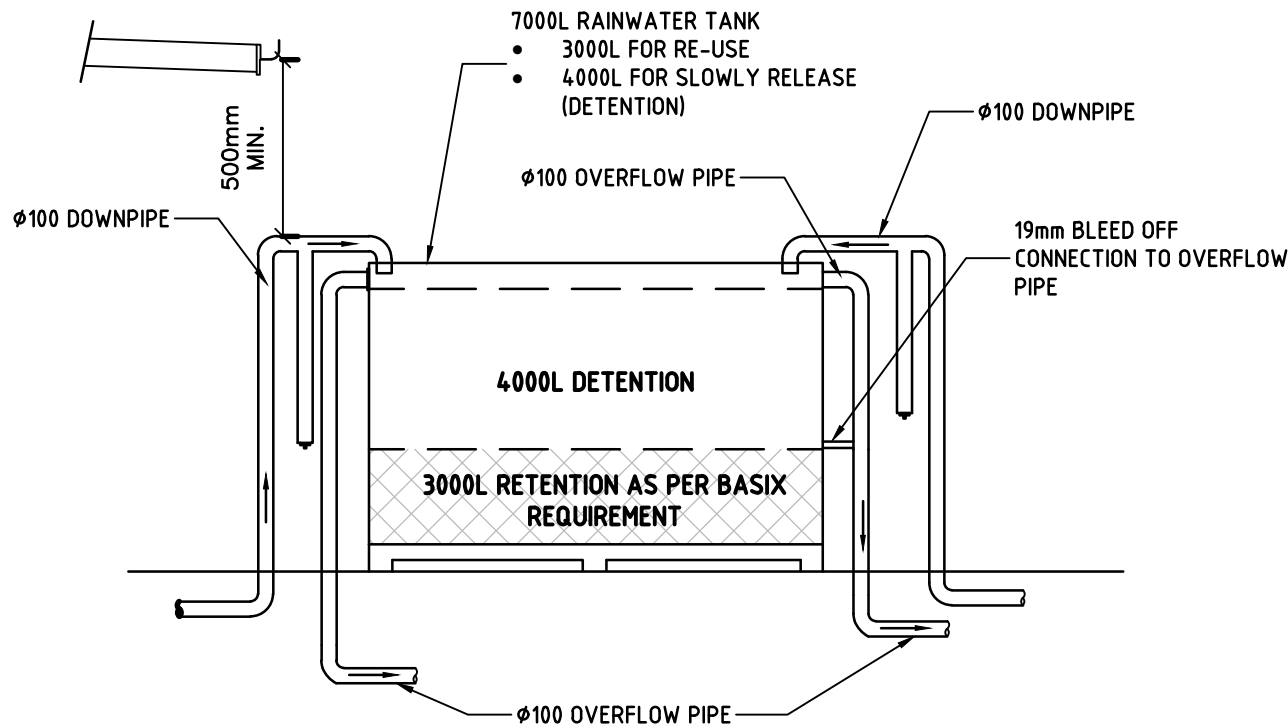
PROJECT NO:
 26G6751

DRAWING NO:
 S01

REVISION:
 A

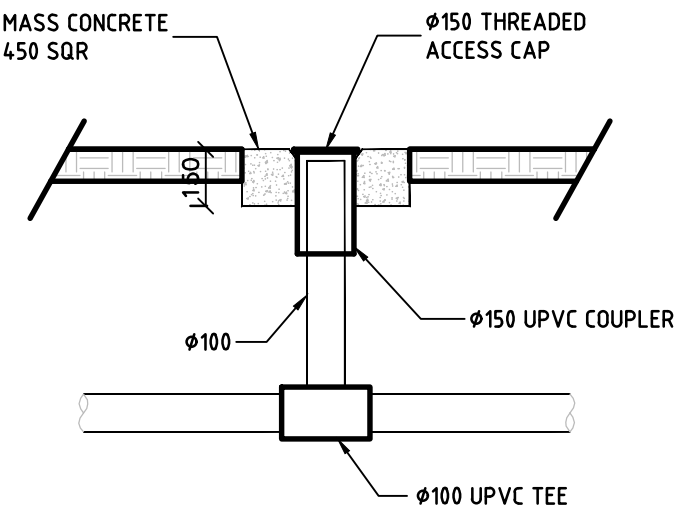
RAINWATER TANK NOTES:

- 1. RAINWATER TANKS BY KINGSPAN (TEL: 1300 736 562) OR SIMILAR.
- 2. DIMENSIONS ARE INDICATIVE ONLY. EXACT DETAILS TO MANUFACTURER'S SPECIFICATIONS.
- 3. A FIRST FLUSH DEVICE IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS SHALL BE FITTED TO RAINWATER TANK SYSTEM TO FLUSH OUT THE FIRST 0.5mm OF RUN-OFF FROM THE ROOF AREA THAT DRAINED INTO THE TANK (E.G. 0.5L/m2).
- 4. PUMP SIZE & SPECIFICATION TO BE NOMINATED BY MANUFACTURER
- 5. ORIFICE PLATE INSTALLATION TO BE PERFORMED BY QUALIFIED PLUMBER AND TO BE MADE WATERTIGHT BY WASHER OR SUITABLE SEALANT.



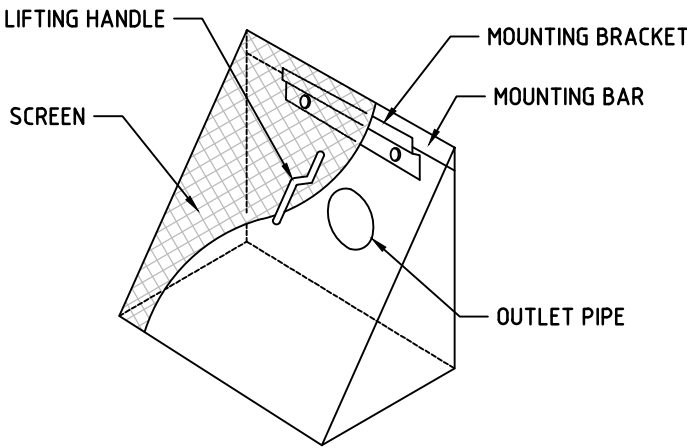
RAINWATER TANK DETAILS

SCALE 1:50



CLEANNING EYE DETAILS

SCALE 1:20



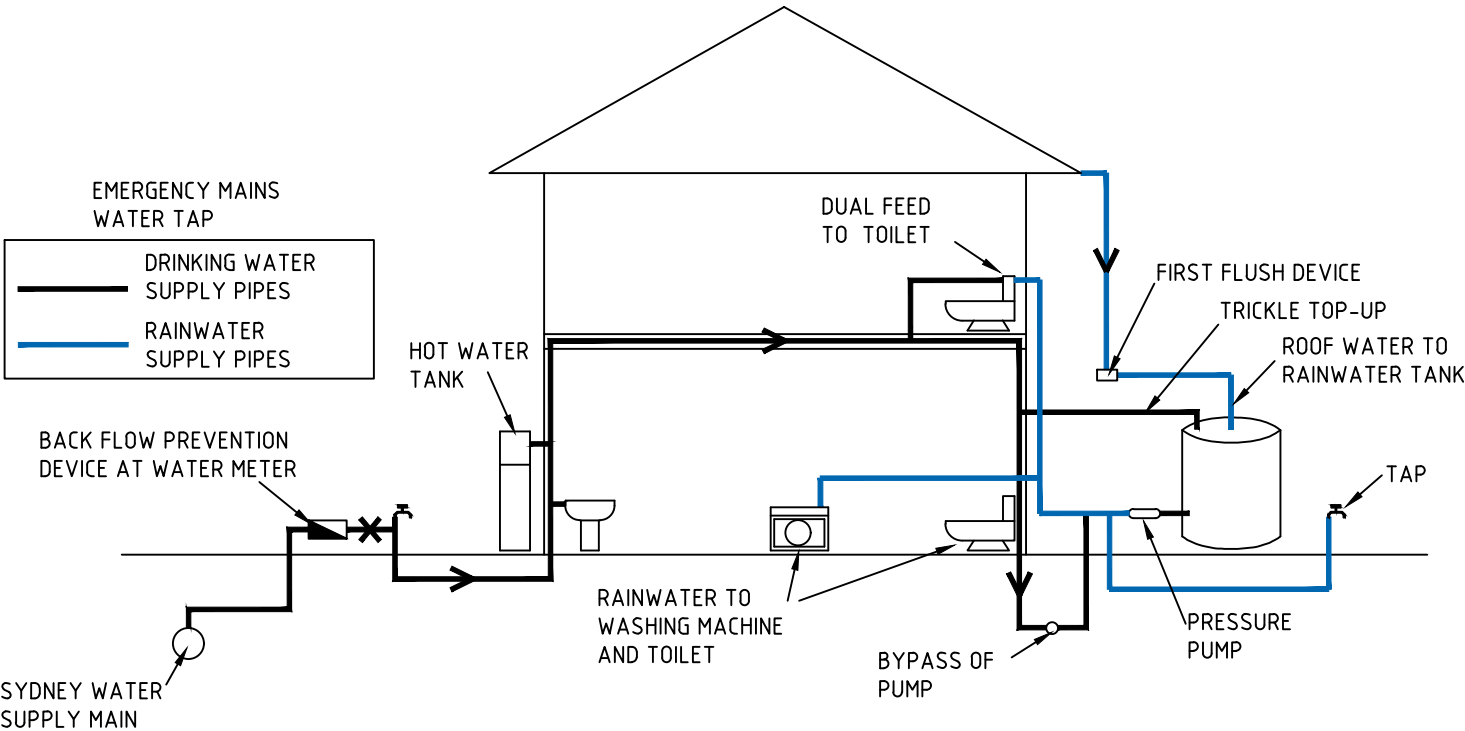
DEBRIS SCREEN DETAILS

NTS



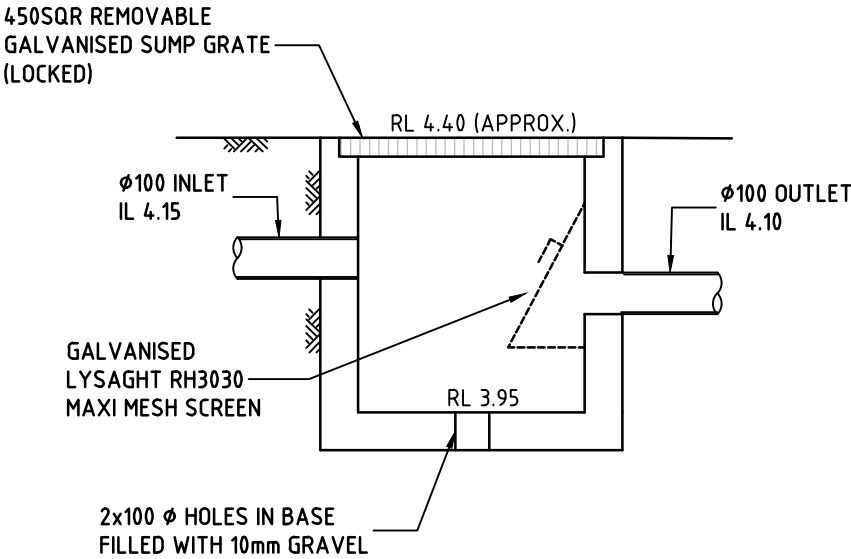
SURFACE DRAINAGE (FD)

NTS



RAINWATER TANK RE-USE DIAGRAM

NTS



SEDIMENT CONTROL PIT DETAILS

NTS


Director/Principal Engineer
Santosh Paudel
B. Eng (Civil/Structural) MIE (Aust)
santosh@grandengineering.com.au
0411348603

**GRAND ENGINEERING**
Structural Geotech Stormwater
orders@grandengineering.com.au ABN: 9465 0535 989
www.grandengineering.com.au Ph: 1300 816 816

NININ

hello@ninin.com.au
Mobile 0403 858 560
www.nininstudio.com.au

© Copyright: This design is the property of GRAND ENGINEERING, and must not be used, reproduced and copied wholly or in part without formal consent from the company. All setbacks to be done based on architectural specifications. Do not scale off drawings. Use noted dimensions only. Any discrepancy or other concerns regarding constructability of provided design and detail are to be confirmed with engineer and architect before starting any works on site.

REV	REVISION	DRAWN	ENG	CHECK	DATE
A	ISSUE FOR REVIEW	S.P.	S.P.	S.P.	02.06.26
AMENDMENTS					

SITE:

14 Beach St, Ettalong Beach

CLIENT:

Ton Carr

STATUS:

ISSUED FOR REVIEW

DRAWING TITLE:

DRAINAGE DETAILS

SCALE AT A3:

DATE:

02.06.2026

DRAWN:

S.P.

CHECKED:

S.P.

PROJECT NO:

26G6751

DRAWING NO:

S02

REVISION:

A