### GENERAL NOTES:

- 1... These drawings shall be read in conjunction with Architectural and all other Consultant's drawings and specifications, and with such other written instructions as may be issued during the course of the works.
- 2... No building works shall be constructed on or over any allotment boundary or easement or other similar such property title without the necessary permits and/or approvals. These drawings do not constitute such permits and/or approvals irrespective of whether building works are so indicated on or over such property titles.

### STORMWATER NOTES:

- 1... All plumbing and drainage within the site shall be constructed in accordance with AS3500.3 Plumbing and Drainage - Stormwater drainage.
- 2... All pipes to have a minimum cover of 450mm under trafficable areas, and 100mm
- 3... All pipes to be laid on a minimum grade of 1% UNO.
- 4... All pipes less than 300mm diameter to be uPVC UNO.
- 5... Minimum surface grade of 0.5% for overland flow paths.
- 6... Plastic pits may be used in non-trafficable areas only.
- 7... All pipes to be SN6 sewer grade uPVC and shall be resistant to ultraviolet light when installed in direct sunlight.
- 8... Roof gutters to & downpipes to future design
- 9... Charged line pipework to be sewer grade.

### Catchment Areas

Impervious area - first & upper ground  $A = 47 \text{ m}^2$ Connected to OSD tank via gravity system Driveway area

 $A = 90 \text{ m}^2$ 

 $A = 31 \text{ m}^2$ 

Main roof area

 $A = 145 \text{ m}^2$ Connected to RWT2

Main roof area  $A = 70 \text{ m}^2$ Connected to RWT1

### Compiance with Northern Beaches Council DCP:

OSD storage:  $200 \text{ m}^3/\text{ha} = 633 \text{ m}^2 \times 0.02$ 

Permissible site discharge: 400 L/s/ha = 633 x 0.04 = 25.3 L/s

Required rainwater tank (BASIX): 7,000 L Revised OSD storage = 12.66 - 7

 $= 5.66 \text{ m}^3$  $Q_{100}$  RWT1 = 10.6L/s

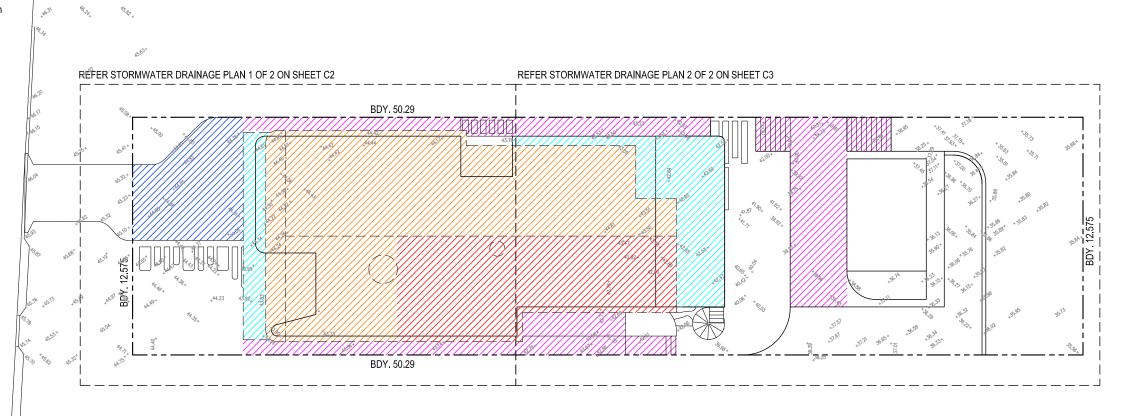
 $Q_{OSD}$  outlet = 14.7 L/s

OSD outlet RL = 39.20 RL top of storage = 40.20 m

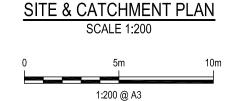
Available head = 1.0 m

Orifice plate diamater = 83mm





### SITE SUMMARY: $= 633 \text{ m}^2$ (1) SITE AREA (2) TOTAL IMPERVIOUS $= 383 \text{ m}^2$ (3) TOTAL ROOF AREA CONNECTED TO TANKS $= 215 \text{ m}^2$ (4) TOTAL IMPERVIOUS AREA CONNECTED TO OSD $= 70 \text{ m}^2$ (5) TOTAL IMPERVIOUS UNMANAGED $= 101 \text{ m}^2$ (6) SITE DISCHARGE INDEX (5/1) = 16.0 %



THIS SHEET IS TO BE PRINTED IN COLOUR

DRAWINGS TO BE READ IN CONJUNCTION WITH ARCHITECTURAL DRAWINGS

by: FBC Design, project no: 2409 dated: 16/12/24

DIMENSIONS MAY NOT BE EXACT. DO NOT SCALE OFF THESE DRAWINGS.

|      |          |                                 |        |        |         | Αp |
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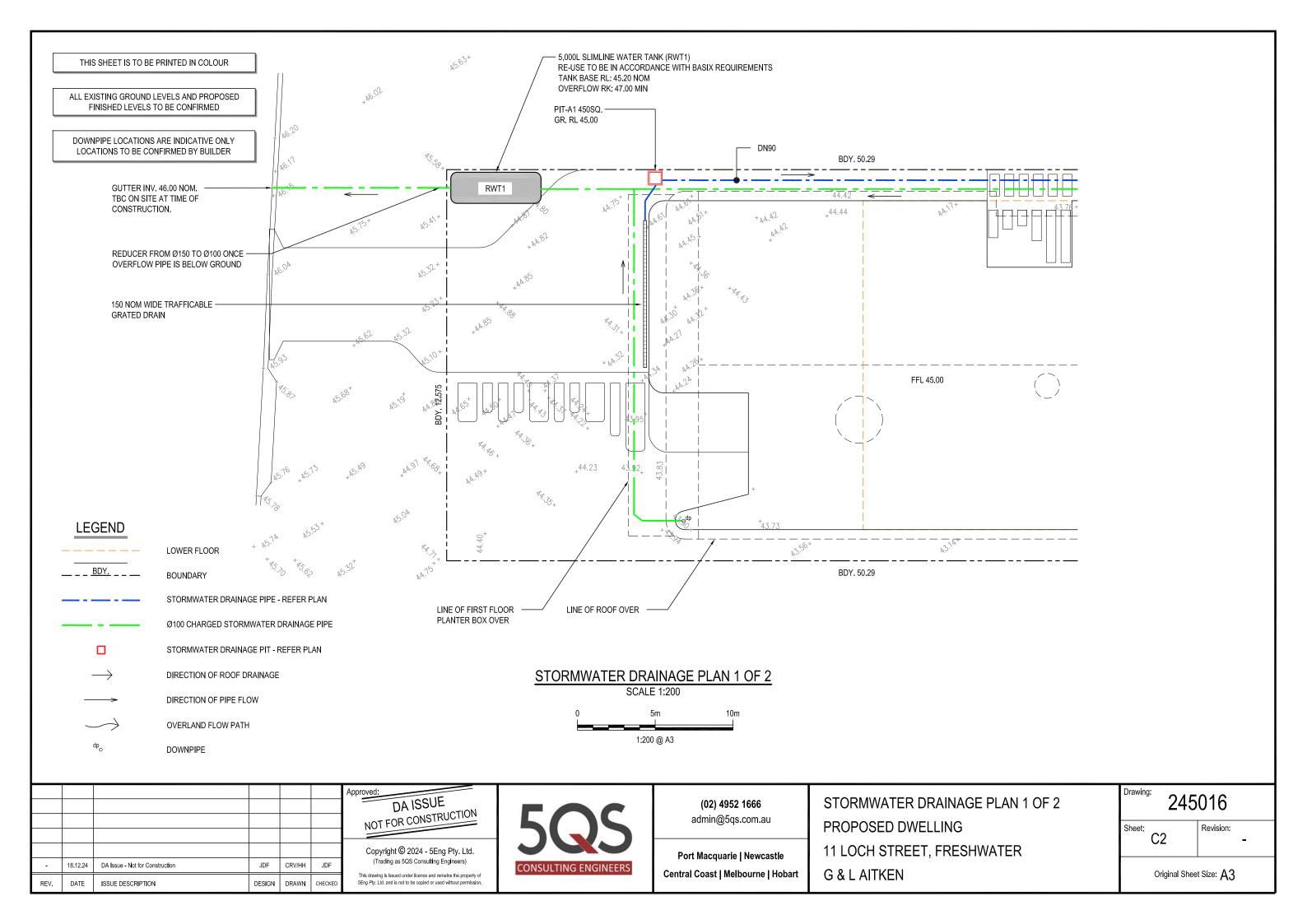


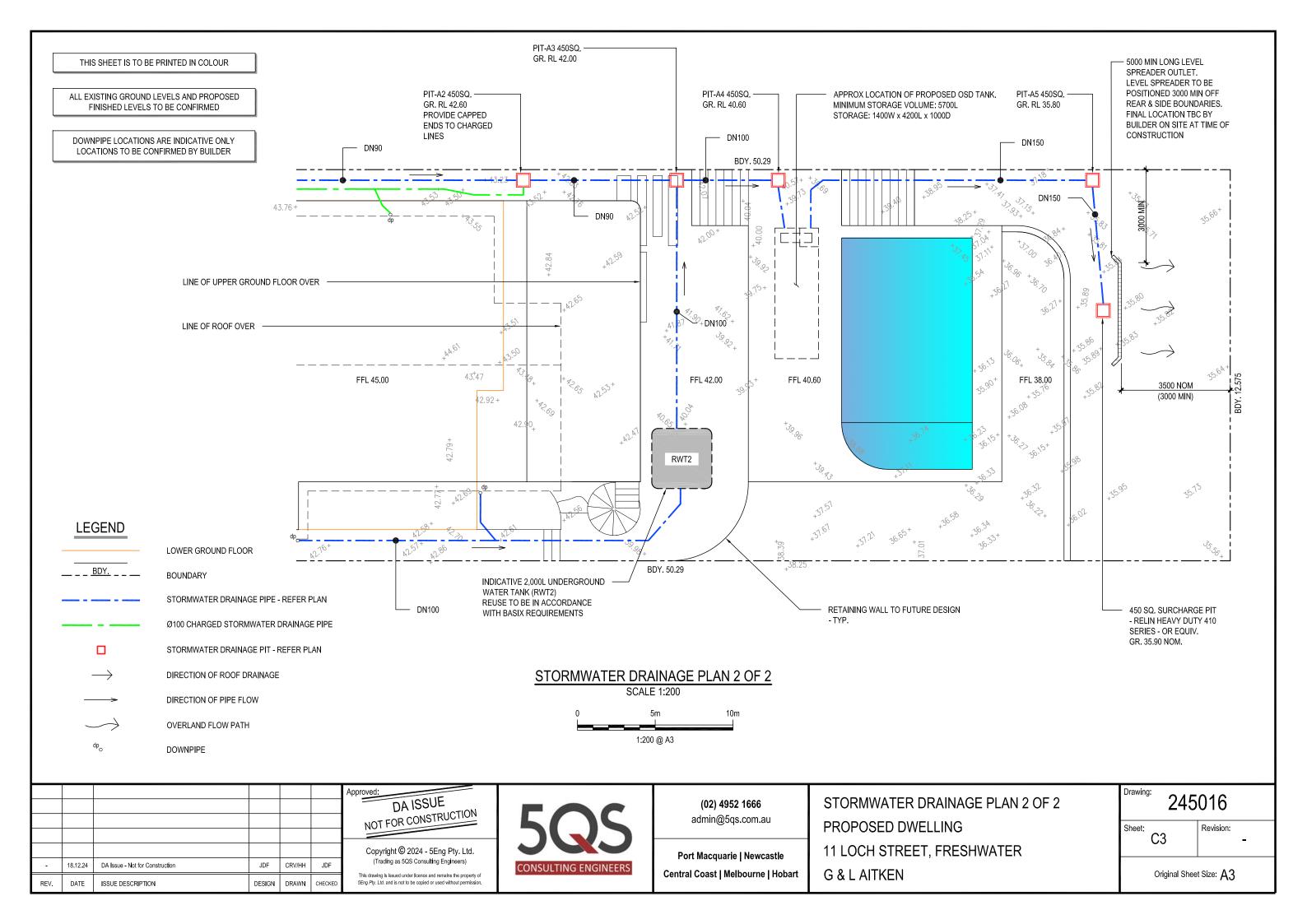
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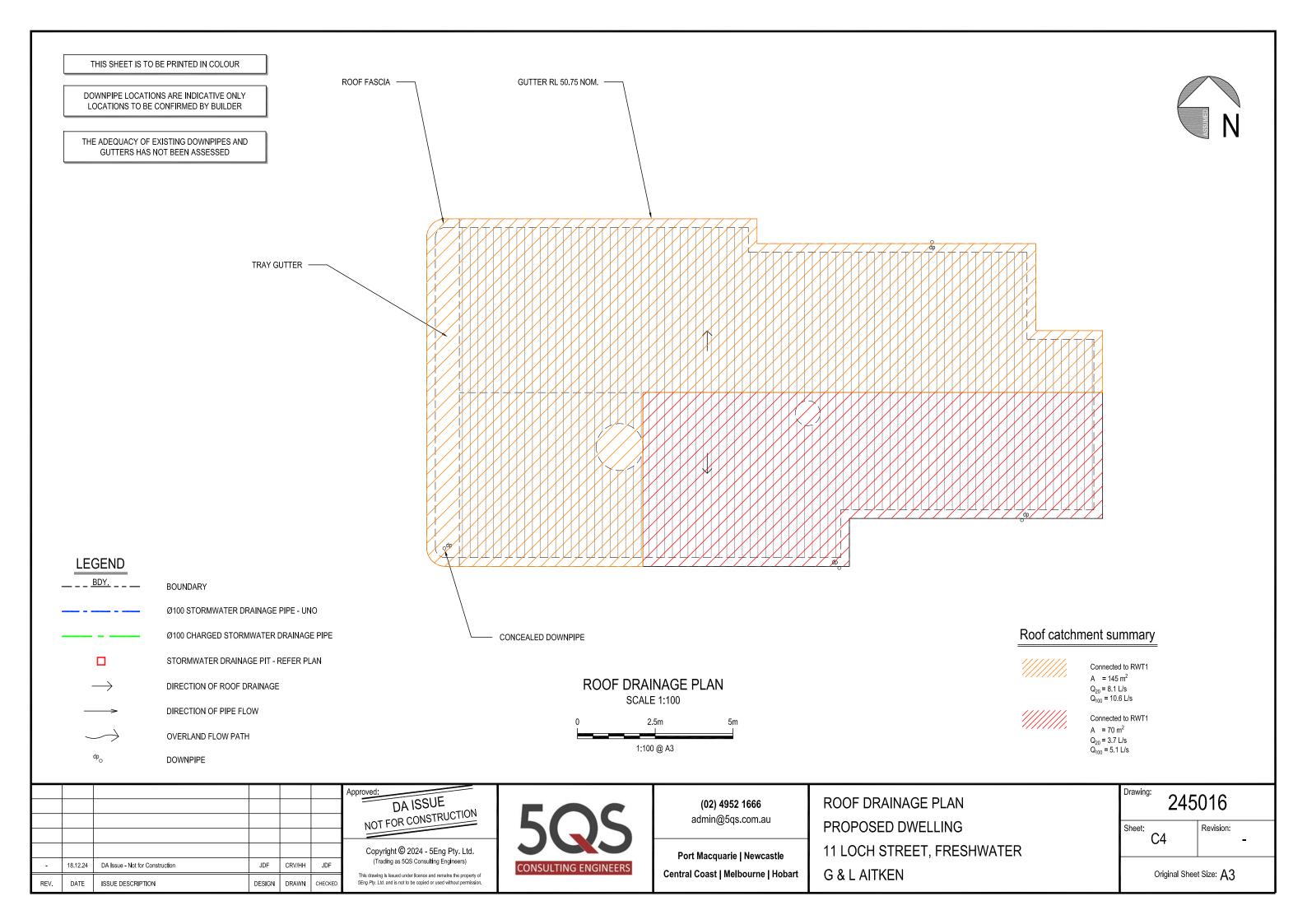
Port Macquarie | Newcastle Central Coast | Melbourne | Hobart

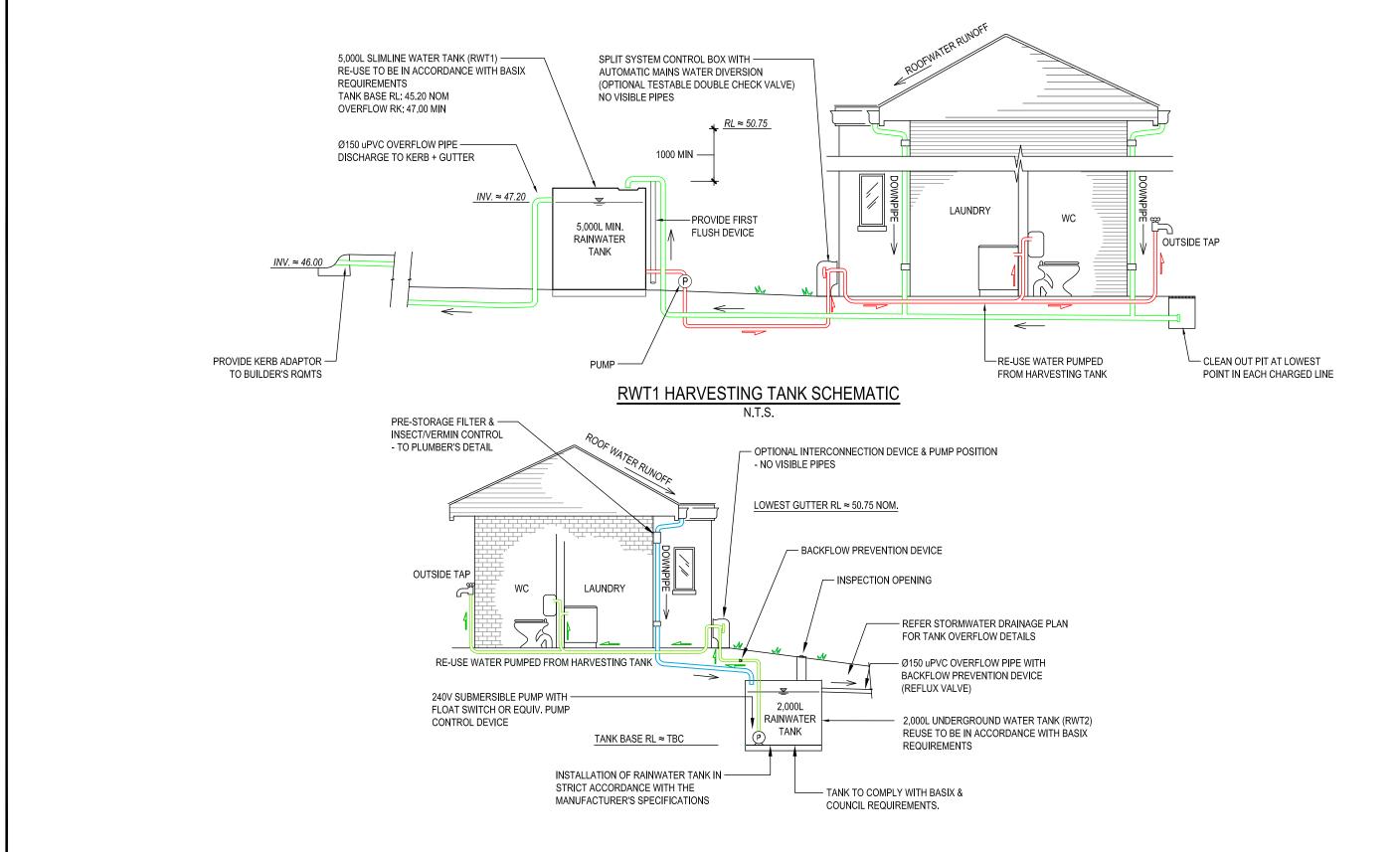
SITE & CATCHMENT PLAN PROPOSED DWELLING 11 LOCH STREET, FRESHWATER G & L AITKEN

| Drawing: 245            | 016       |  |  |  |  |
|-------------------------|-----------|--|--|--|--|
| Sheet: C1               | Revision: |  |  |  |  |
| Original Sheet Size: A3 |           |  |  |  |  |









## **RWT2 HARVESTING TANK SCHEMATIC**

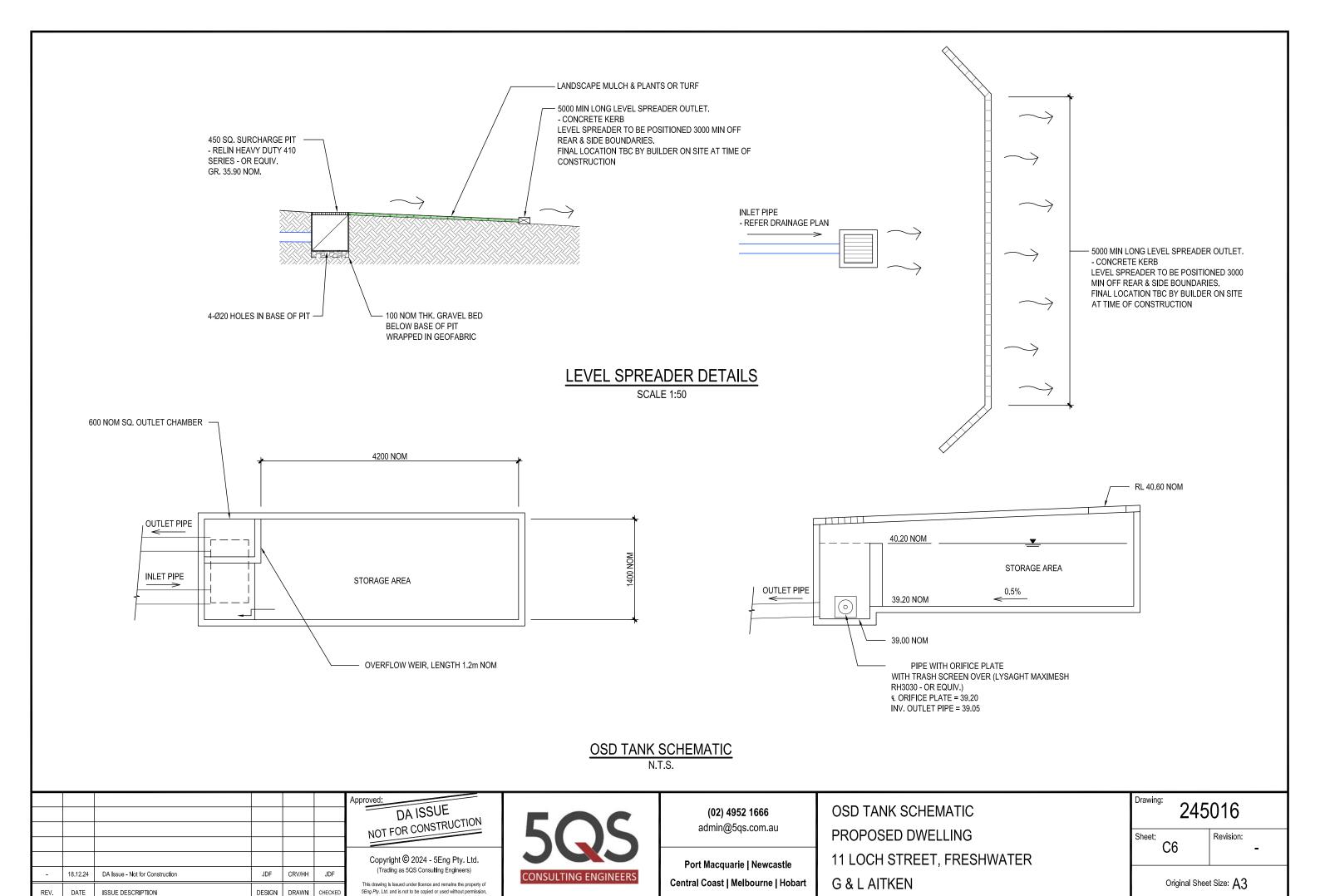
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Port Macquarie | Newcastle Central Coast | Melbourne | Hobart HARVESTING TANK SCHEMATICS
PROPOSED DWELLING
11 LOCH STREET, FRESHWATER
G & L AITKEN

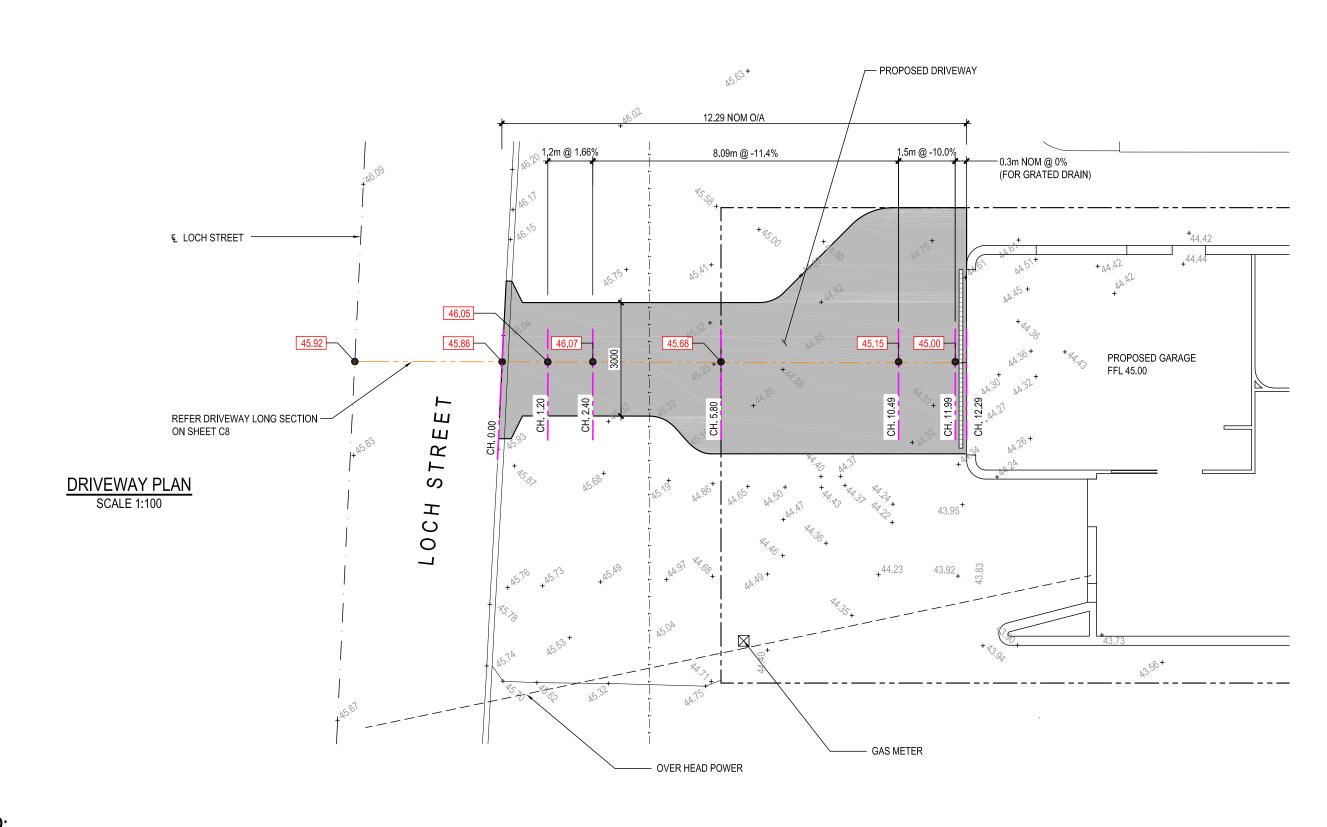
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| Sheet: C5     | Revision:  |
| Original Shee | t Size: A3 |



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DATE

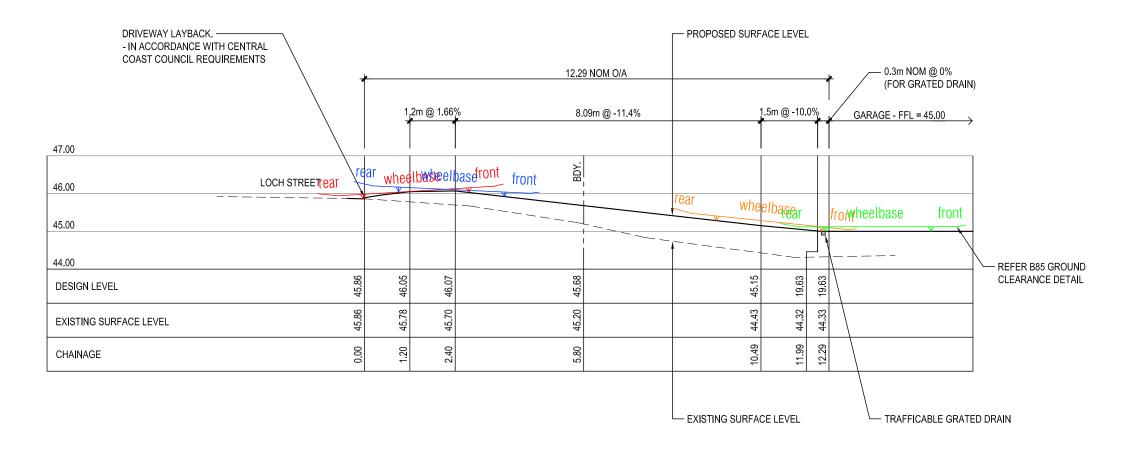
ISSUE DESCRIPTION



## LEGEND:

1.23 = PROPOSED FINISHED SURFACE LEVEL

| - |      |          |                                 |        |        |         | DA ISSUE  NOT FOR CONSTRUCTION   | FOC                         | ( <b>02) 4952 1666</b><br>admin@5qs.com.au | DRIVEWAY PLAN<br>PROPOSED DWELLING | Drawing: 245016          |
|---|------|----------|---------------------------------|--------|--------|---------|--|-----------------------------|--|------------------------------------|--------------------------|
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# **DRIVEWAY LONG SECTION**

SCALE 1:100

# B85 GROUND CLEARANCE DETAIL

SCALE 1:50

|      |          |                                 |        |        |         | Approved:   |
|------|----------|---------------------------------|--------|--------|---------|---|
|      |          |                                 |        |        |         | DA ISSUE  |
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PROPOSED DW

11 LOCH STREE

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Coast | Melbourne | Hobart

DRIVEWAY LONG SECTION

PROPOSED DWELLING

11 LOCH STREET, FRESHWATER

G & L AITKEN

| Drawing: 245            | 016       |  |  |  |  |  |
|-------------------------|-----------|--|--|--|--|--|
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