# CANCER CARE FACILITY

# 88-90 CORNWALL STREET, TAREE, 2430 NSW CIVIL ENGINEERING PACKAGE





#### LOCALITY PLAN

#### IMAGE SOURCE : NEARMAPS

#### DRAWING LIST

DWG No.

DRAWING	TITLE
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DA-C01 COVER SHEET, DRAWING LIST AND LOCALITY PLAN DA-C02 CONCEPT EROSION AND SEDIMENT CONTROL PLAN DA-C03 CONCEPT STORMWATER AND LEVELS PLAN

DA-C04 CONCEPT CIVIL DETAILS

## NOT FOR CONSTRUCTION

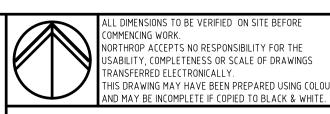
1 ISSUED FOR APPROVAL 2 ISSUED FOR APPROVAL 3 ISSUED FOR APPROVAL

REVISION DESCRIPTION

Cancer Care

UNLESS VERIFICATION SIGNATURE HAS BEEN ADDED

NORTHROP CONSULTING ENGINEERS PTY LTD



Newcastle Level 1, 215 Pacific Hwy, Charlestown NSW 2290 ABN 81 094 433 100

**CANCER CARE FACILITY** 88-90 CORNWALL STREET, TAREE,

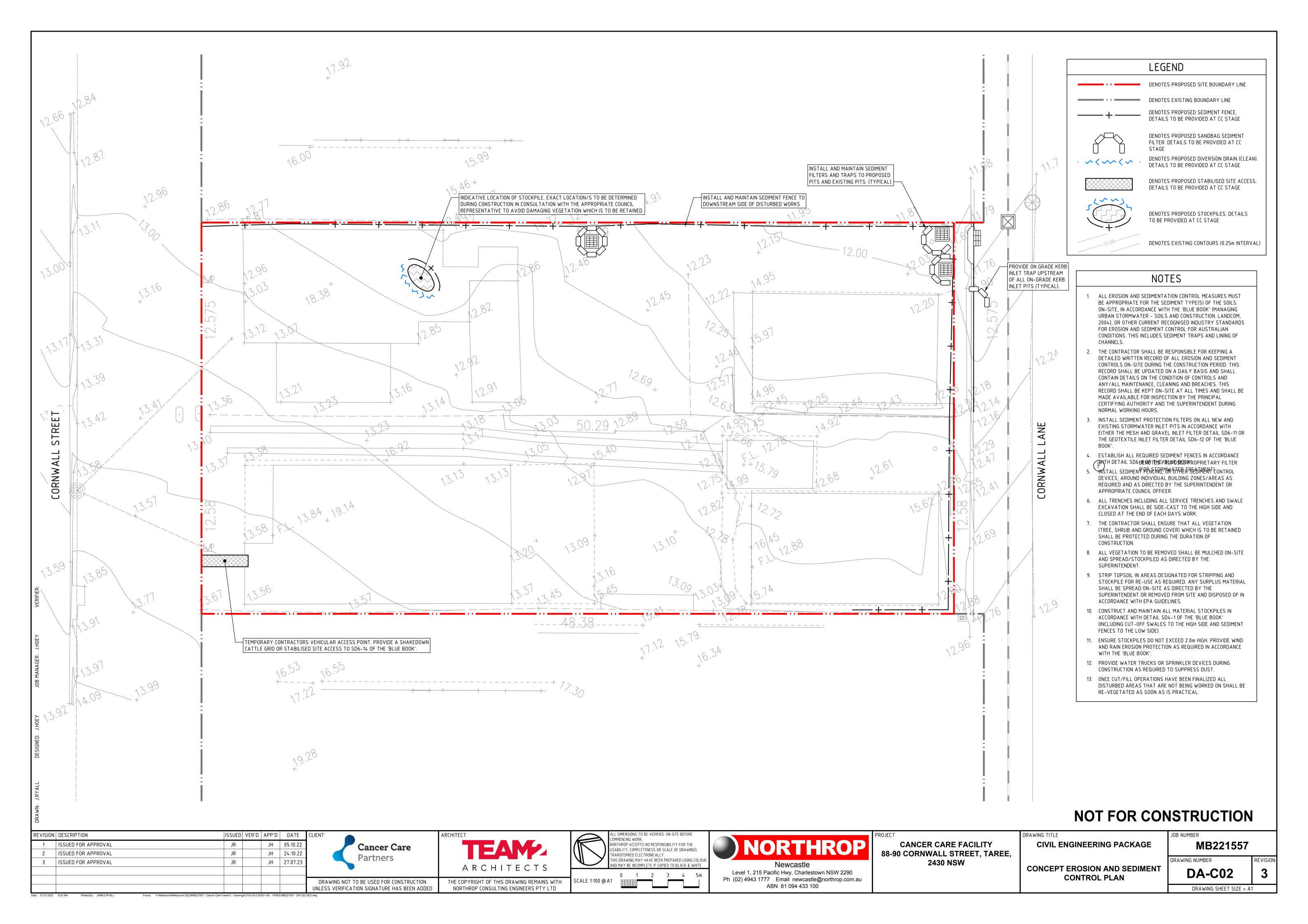
**CIVIL ENGINEERING PACKAGE** 

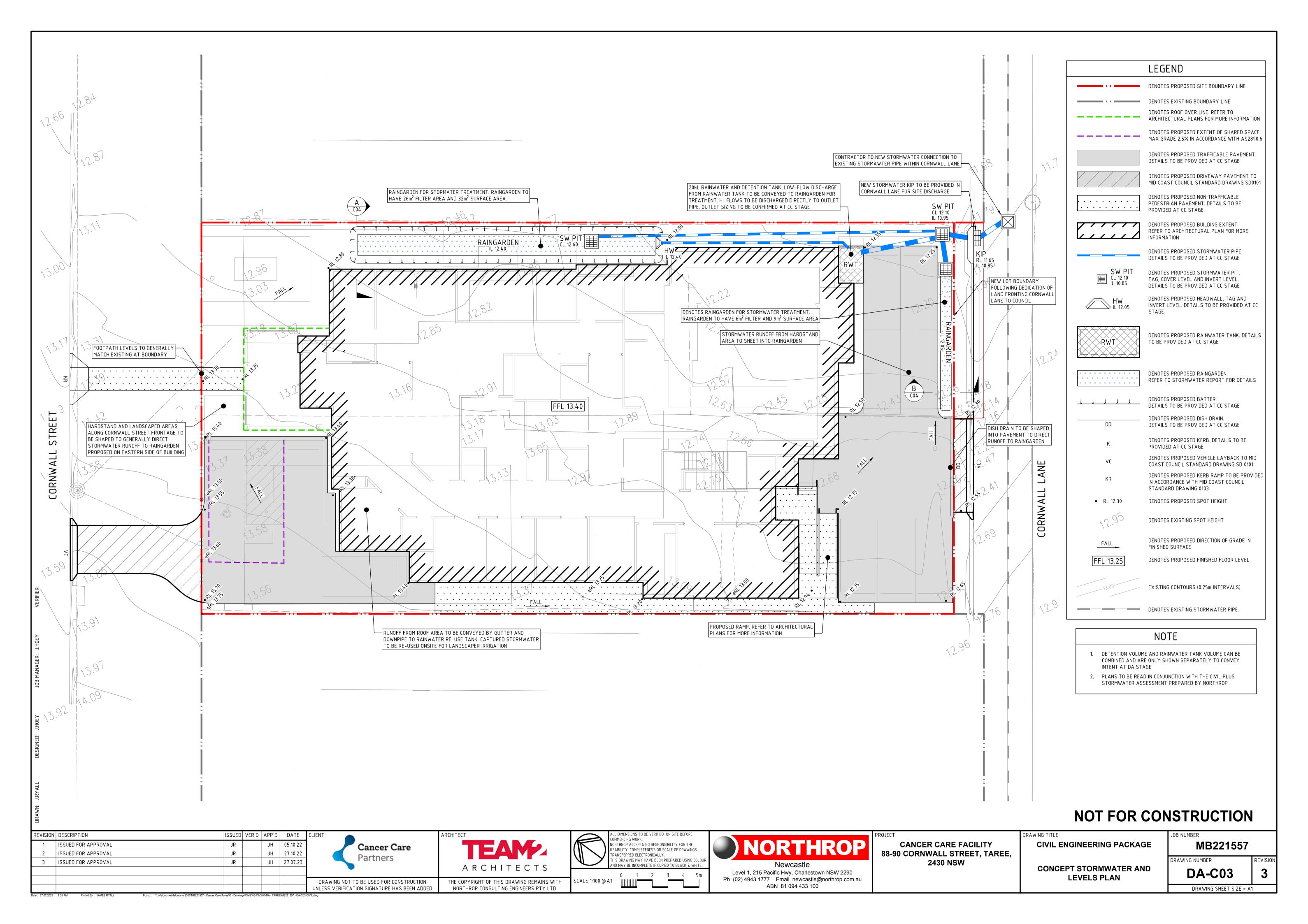
COVER SHEET, DRAWING LIST AND **LOCALITY PLAN** 

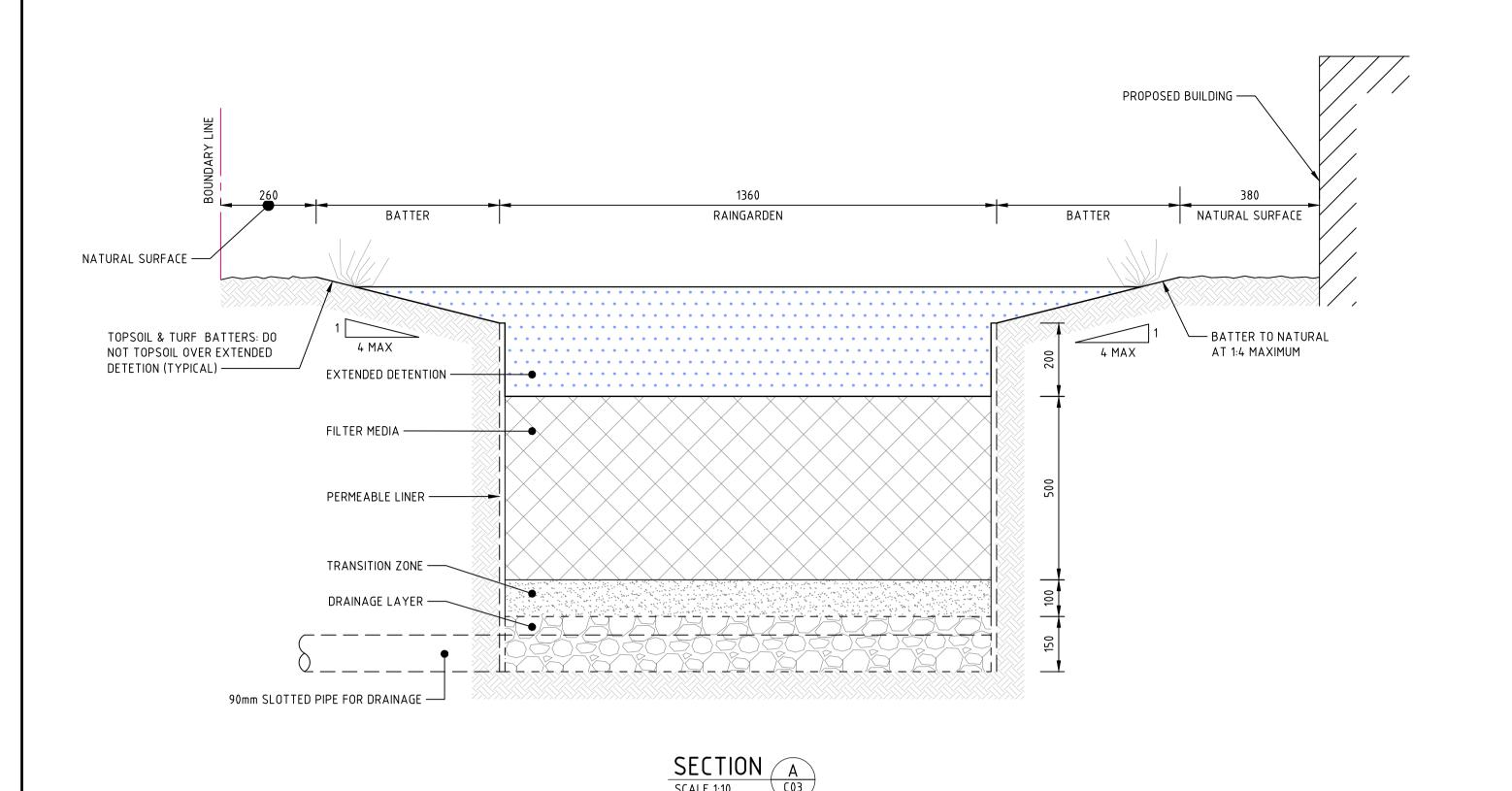
**MB221557** DRAWING NUMBER DA-C01

DRAWING SHEET SIZE = A1

ISSUED VER'D APP'D DATE JH 05.10.22 JH 24.10.22 THIS DRAWING MAY HAVE BEEN PREPARED USING COLOU
AND MAY BE INCOMPLETE IF COPIED TO BLACK & WHITE. JH 27.07.23 2430 NSW NOT TO SCALE Ph (02) 4943 1777 Email newcastle@northrop.com.au THE COPYRIGHT OF THIS DRAWING REMAINS WITH DRAWING NOT TO BE USED FOR CONSTRUCTION







700 RAINGARDEN EXTENDED DETENTION — KERB AND PAVEMENT DETAILS TO BE CONFIRMED AT DETAILED DESIGN STAGE — . **. . . . . . . . . . . . . . . . .** . . . . . . . **. . . . . . . . . . . . . . . .** . . . . PERMEABLE LINER — TRANSITION ZONE — DRAINAGE LAYER — 90mm SLOTTED PIPE FOR DRAINAGE —

SECTION B

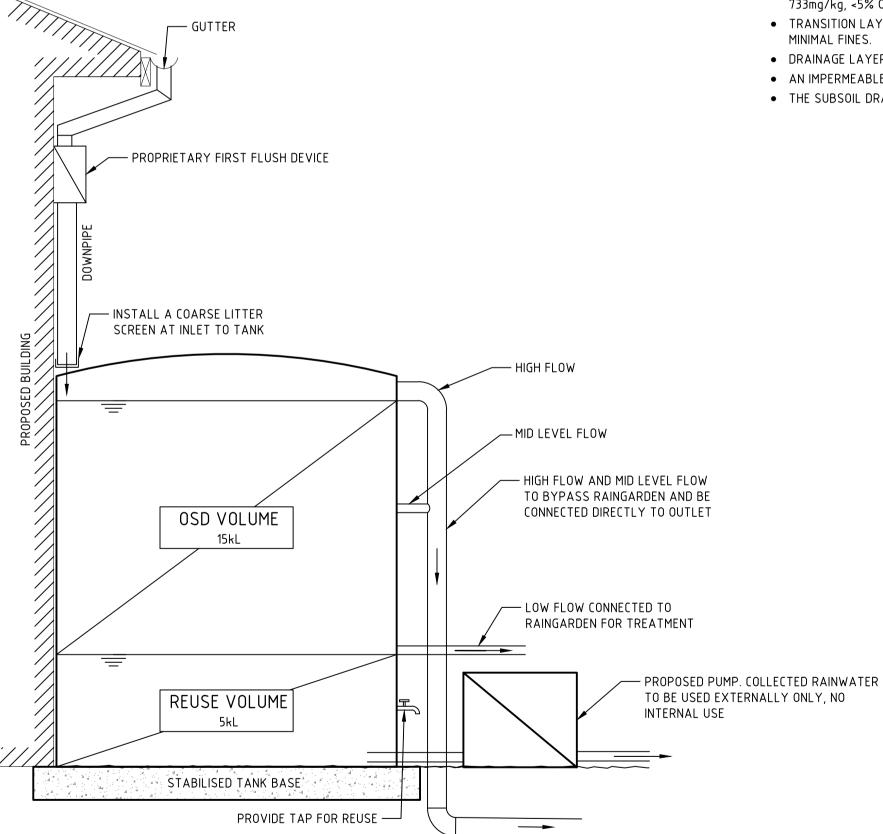
SCALE 1:10 C03

- BIOFILTRATION MEDIA 400mm DEPTH COMPRISING A BIOFILTRATION MEDIA APPROVED BY ENGINEER
- HYDRAULIC CONDUCTIVITY OF 200mm/hr. THE FILTER MATERIAL MUST HAVE A TN CONTENT OF
- 733mg/kg, <5% ORGANIC MATERIAL & <54mg/kg OF ORTHOPHOSPHATE CONTENT.
- TRANSITION LAYER 100mm DEPTH COMPRISING CLEAN WELL GRADED MEDIUM TO COARSE SAND WITH MINIMAL FINES.
- DRAINAGE LAYER 150mm DEPTH COMPRISING 5mm GRAVEL.
- AN IMPERMEABLE LINER IS TO BE APPLIED TO BOTH SIDES & THE BASE OF THE SWALE MEDIA.
- THE SUBSOIL DRAINAGE IS TO DISCHARGE TO THE PROPOSED PIT & PIPE NETWORK.

733mg/kg, <5% ORGANIC MATERIAL & <54mg/kg OF ORTHOPHOSPHATE CONTENT.</li>
TRANSITION LAYER - 100mm DEPTH COMPRISING CLEAN WELL GRADED MEDIUM TO COARSE SAND WITH MINIMAL FINES.
DRAINAGE LAYER - 150mm DEPTH COMPRISING 5mm GRAVEL.
AN IMPERMEABLE LINER IS TO BE APPLIED TO BOTH SIDES & THE BASE OF THE SWALE MEDIA.
THE SUBSOIL DRAINAGE IS TO DISCHARGE TO THE PROPOSED PIT & PIPE NETWORK.

BIOFILTRATION MEDIA – 500mm DEPTH COMPRISING A BIOFILTRATION MEDIA APPROVED BY ENGINEER

HYDRAULIC CONDUCTIVITY OF 200mm/hr. THE FILTER MATERIAL MUST HAVE A TN CONTENT OF



RAINWATER 'RWT' ABOVE GROUND TANK DETAIL
NOT TO SCALE

## NOT FOR CONSTRUCTION

REVISION DESCRIPTION ISSUED VER'D APP'D DATE OMMENCING WORK. CANCER CARE FACILITY **MB221557 CIVIL ENGINEERING PACKAGE** 1 ISSUED FOR APPROVAL JH 27.07.23 NORTHROP ACCEPTS NO RESPONSIBILITY FOR THE Cancer Care ISABILITY, COMPLETENESS OR SCALE OF DRAWINGS 88-90 CORNWALL STREET, TAREE, TRANSFERRED ELECTRONICALLY **Partners** DRAWING NUMBER THIS DRAWING MAY HAVE BEEN PREPARED USING COLOUF 2430 NSW Newcastle AND MAY BE INCOMPLETE IF COPIED TO BLACK & WHITE. CONCEPT CIVIL DETAILS DA-C04 Level 1, 215 Pacific Hwy, Charlestown NSW 2290 0 0.1 0.2 0.3 0.4 0.5m Ph (02) 4943 1777 Email newcastle@northrop.com.au SCALE 1:10 @ A1 THE COPYRIGHT OF THIS DRAWING REMAINS WITH DRAWING NOT TO BE USED FOR CONSTRUCTION ABN 81 094 433 100 NORTHROP CONSULTING ENGINEERS PTY LTD UNLESS VERIFICATION SIGNATURE HAS BEEN ADDED DRAWING SHEET SIZE = A1