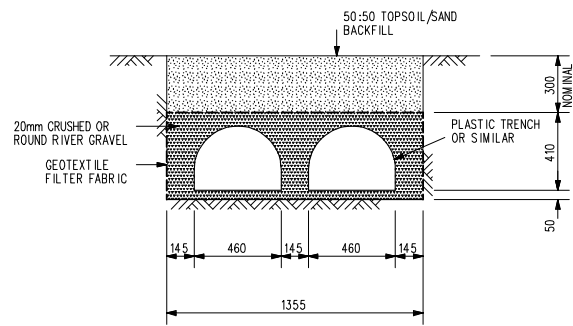


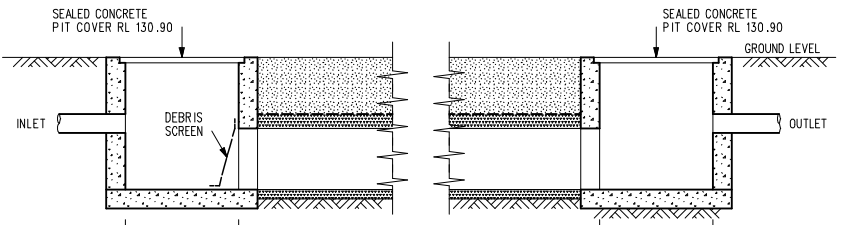
- GENERAL NOTES**
- G1 THESE DRAWINGS SHALL BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT DRAWINGS AND SPECIFICATIONS AND WITH SUCH OTHER WRITTEN INSTRUCTIONS AS MAY BE ISSUED DURING THE COURSE OF THE CONTRACT. ANY DISCREPANCY SHALL BE REFERRED TO THE ENGINEER BEFORE PROCEEDING WITH THE WORK.
  - G2 CONSTRUCTION USING THESE STRUCTURAL DRAWINGS SHALL NOT COMMENCE UNTIL A CONSTRUCTION CERTIFICATE IS ISSUED BY THE PRINCIPAL CERTIFYING AUTHORITY.
  - G3 ALL MATERIALS AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE RELEVANT AND CURRENT SAA CODES AND WITH THE BUILDING CODE OF AUSTRALIA.
  - G4 NO DIMENSIONS SHALL BE OBTAINED BY SCALING THE STRUCTURAL DRAWINGS.
  - G5 DURING CONSTRUCTION THE STRUCTURE SHALL BE MAINTAINED IN A STABLE CONDITION AND NO PART SHALL BE OVERSTRESSED. TEMPORARY BRACING SHALL BE PROVIDED BY THE BUILDER TO KEEP THE WORKS AND EXCAVATIONS STABLE AT ALL TIMES.

- PLUMBING NOTES**
- P1 ALL WORKMANSHIP AND MATERIALS SHALL BE IN ACCORDANCE WITH AS 3500.3 - NATIONAL PLUMBING AND DRAINAGE CODE PART 3 STORMWATER DRAINAGE
  - P2 ALL PIPES SHALL BE 100 DIAMETER AT 1.0% MINIMUM GRADE UNLESS NOTED OTHERWISE
  - P3 THE ADEQUACY OF THE EXISTING PIPEWORK SHALL BE CONFIRMED PRIOR TO CONSTRUCTION OF THE NEW STORMWATER STRUCTURES AND/OR CONNECTION TO NEW WORK
  - P4 PROVIDE FIRST FLUSH DIVERTER IN ACCORDANCE WITH THE REQUIREMENTS OF GUIDELINES FOR RAINWATER TANKS ON RESIDENTIAL PROPERTIES PUBLISHED BY SYDNEY WATER
  - P5 PROVIDE PUMP AND FLOAT VALVE FOR TOP UP FROM MAINS TO MAINTAIN ADEQUATE WATER LEVEL
  - P6 PUMP SHALL BE INSTALLED IN ACCORDANCE WITH THE GUIDELINES FOR RAINWATER TANKS AND THE MANUFACTURER'S RECOMMENDATIONS
  - P7 RAINWATER TANK INSTALLATION SHALL BE IN ACCORDANCE WITH SYDNEY WATER GUIDELINES FOR RAINWATER TANKS ON RESIDENTIAL PROPERTIES



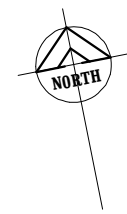
**SECTION thru ABSORPTION TRENCH**  
SCALE 1:20

PLASTIC TRENCH EVERGLADES SQUARELINE 410 JUMBO PLASTIC TRENCH OR SIMILAR  
GEOTEXTILE FILTER FABRIC BIDIM A24 OR SIMILAR



**DETAIL - ABSORPTION TRENCH**  
Not to Scale

DEBRIS SCREEN COVER OPENING WITH MAXIMESH 3030 OR SIMILAR



**STORMWATER CONCEPT PLAN**  
SCALE 1:100

- LEGEND**
- EDP ... EXISTING DOWNPIPE TO REMAIN
  - EDP(R) ... EXISTING DOWNPIPE TO BE REMOVED
  - NDP ... NEW DOWNPIPE
  - EO ... EXTERNAL OVERFLOW
  - g ... LEVEL ON DRAIN GRATE
  - IL ... INVERT LEVEL OF DRAIN OR PIPE
  - BV ... BLEEDER VALVE TO CHARGED LINE

**PIT 1**  
450 x 450 PIT COMPLETE WITH TRASH SCREEN AND REMOVABLE GRATE

**CHARGED LINE**  
THE CHARGED LINE SHALL BE CONSTRUCTED USING SEWER GRADE PIPES PRESSURE SEALED TO 1.0m

**SURVEY INFORMATION**  
SURVEY INFORMATION HAS BEEN OBTAINED FROM DRAWING No 1726 DS PREPARED BY RICHARDS & LOFTUS DATED JANUARY, 2022

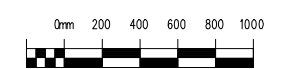
**EXISTING SEWER**  
THE LOCATION AND DEPTH OF THE EXISTING SEWER SHALL BE CONFIRMED ON SITE PRIOR TO ANY WORK IN ITS VICINITY BEING UNDERTAKEN

**RAINWATER TANKS**

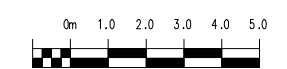
**TANK 1**  
5,000 litre - 2900(L) x 1000(W) x 2110(H) WITH MAINS TOP-UP. PUMP TO TOILETS and LAUNDRY AND CONNECT OVERFLOW TO NEW ABSORPTION TRENCH  
TOP OF TANK = RL 137.51  
BASE OF TANK = RL 135.40

**TANK 2**  
5,000 litre - 2900(L) x 1000(W) x 2110(H) CONNECT TO TAP FOR IRRIGATION AND CONNECT OVERFLOW TO NEW ABSORPTION TRENCH  
TOP OF TANK = RL 133.10

**NOTE**  
TANKS SHALL BE SEATED ON CONCRETE SLABS  
CONCRETE SLABS AND NEW RETAINING WALLS TO STRUCTURAL ENGINEER'S DETAILS



SCALE 1:20 @ A1



SCALE 1:100 @ A1

**DIAL 1100 BEFORE YOU DIG**

**NOTE**  
ALL SERVICES ARE TO BE EXPOSED BY HAND TO CONFIRM THEIR LOCATION & DEPTH PRIOR TO COMMENCEMENT OF WORK

C ... AMENDED FOR DA SUBMISSION	10.10.23
B ... RE-ISSUED FOR DA SUBMISSION	19.09.23
A ... ISSUED FOR DA SUBMISSION	18.08.23
REVISIONS	

**DOCKER SMITH PTY LIMITED**  
CONSULTING STRUCTURAL & CIVIL ENGINEERS  
7/141 PENSURST STREET, WILLOUGHBY NSW 2068 TELEPHONE (02) 9411 3211  
E-Mail: docksmith@bigpond.com

**ALTERATIONS and ADDITIONS**  
179 PLATEAU ROAD, BILGOLA PLATEAU  
**MR C. MCGREACHIE**

**STORMWATER CONCEPT PLAN**

SCALE @ A1: 1:100 1:20	DATUM: Australian Height Datum (AHD)	
DATE: May, 2023	DRAWING No	REVISION No
DRAWN: A.M.K.	<b>23019/sw1</b>	<b>C</b>
CHECKED:		