

PROPOSED SOAKAWAY 10.4M X 1.8M X 1.0M EFFECTIVE DEPTH DESIGNED FOR 100 YEARS RETURN PERIOD WITH 20% INCREASE IN RAINFALL DEPTH FOR CLIMATE CHANGE. IMPERMEABLE SURFACE DRAINED TO PROPOSED SOAKAWAY = 104M². WATER STORAGE = 5.62M³. INFILTRATION RATE = 0.00001466M/S. GROUNDWATER AND BEDROCK WAS NOT-ENCOUNTERED ON-SITE AT A DEPTH OF 1500MM BELOW EXISTING GROUND LEVEL. SOAKAWAY FORMATION LEVEL = 66.900.

S3 TO BE FITTED WITH 150# PERFORATED INSPECTION WELL EXTENDING TO BASE OF SOAKAWAY

PROPOSED PERMEABLE GEOTEXTILE TO BS 7533-13:2009

PROPOSED 100 INTERNAL DIAMETER POROUS SURFACE WATER DISTRIBUTION PIPE

S2 TO BE FITTED WITH 150# PERFORATED INSPECTION WELL EXTENDING TO BASE OF SOAKAWAY

PROPOSED 150 INTERNAL DIAMETER SOLID SURFACE WATER PIPE @ 1:45

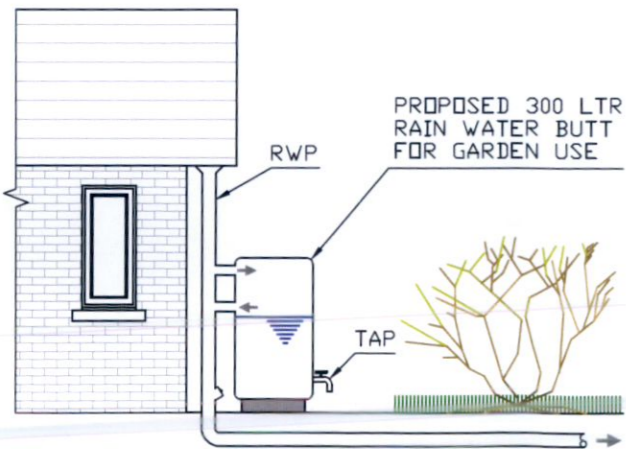
INSPECTION CHAMBER FITTED WITH 300mm DEEP SILT TRAP AND 2mm STAINLESS STEEL MESH FILTER UNIT (TO CLEAN RAINWATER)

PROPOSED 300 LTR. RAIN WATER BUTT FOR GARDEN USE

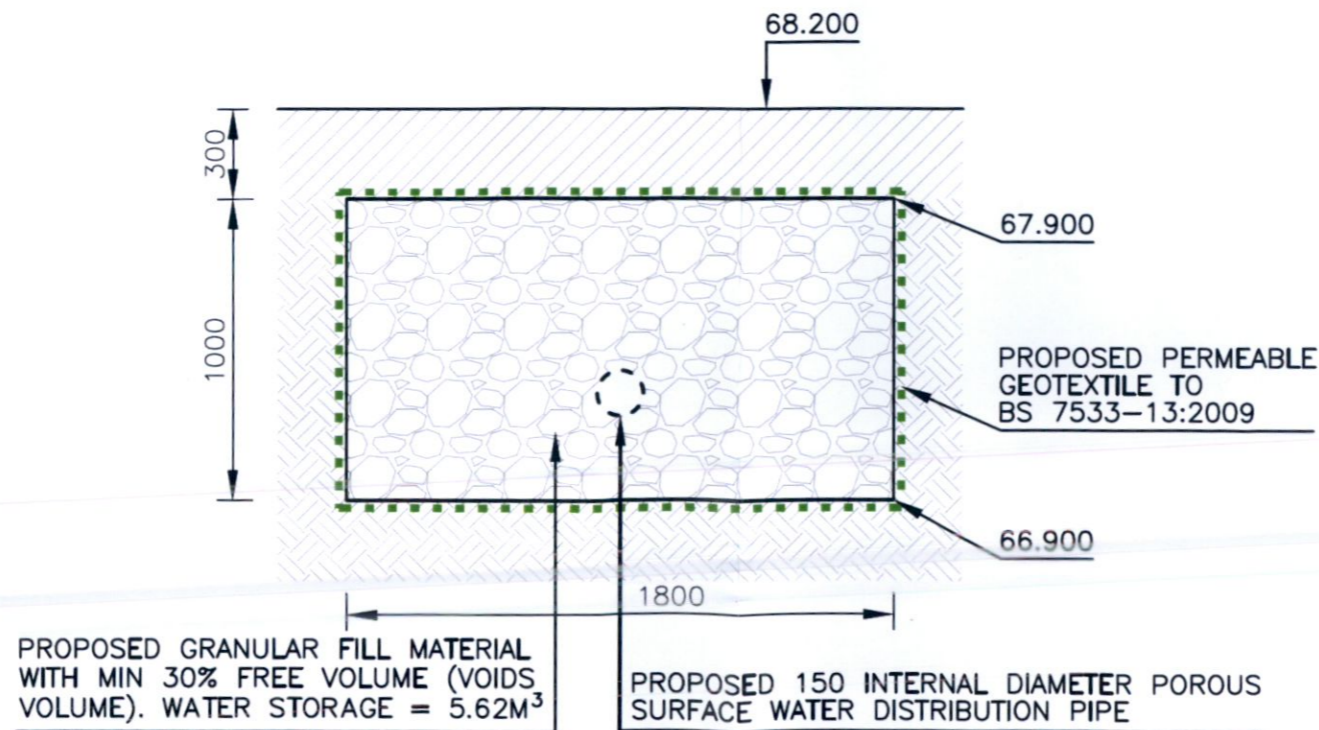
IMPERMEABLE SURFACE DRAINED TO PROPOSED SOAKAWAY = 104M²

PROPOSED SITE LAYOUT PLAN
SCALE 1:250

NOTE:
IT IS PROPOSED TO RE-USE EXISTING FOUL WATER AND WATERMAN CONNECTIONS



DETAIL 'A'
PROPOSED 300 LTR. RAIN WATER BUTT FOR GARDEN USE
SCALE: NTS



SECTION A-A
SCALE 1:25

THIS DRAWING TO BE READ IN CONJUNCTION WITH ALL RELEVANT DRAWINGS AND SPECIFICATIONS. DO NOT SCALE FROM THIS DRAWING. FIGURE DIMENSION ONLY TO BE USED. ALL DIMENSIONS ARE IN MILLIMETERS EXCEPT WHERE SHOWN. ALL LEVELS ARE IN METRES. ANY DISCREPANCIES ON THIS DRAWING OR ON SITE ARE TO BE REPORTED TO THE ENGINEER IMMEDIATELY. THIS DRAWING IS THE PROPERTY OF WP CONSULTING ENGINEERS LTD. IT IS A CONFIDENTIAL DOCUMENT AND MUST NOT BE COPIED, OR ITS CONTENT DIVULGED WITHOUT PRIOR WRITTEN CONSENT. THIS DRAWING HAS BEEN PRODUCED ELECTRONICALLY AND MAY HAVE BEEN PHOTO REDUCED OR ENLARGED WHEN COPIED. HENCE, DO NOT RELY ON ANY SCALES QUOTED. ALL INFORMATION PROVIDED IS SUBJECT TO AMENDMENT AT DETAILED DESIGN STAGE. ORDNANCE SURVEY IRELAND/GOVERNMENT OF IRELAND LICENCE: CYAL50287031. THE ENGINEERING INFORMATION PROVIDED ON THIS DRAWING IS INTENDED FOR PLANNING PURPOSES.

NAME	COVER LEVEL	ENTRY INVERT LEVEL	INVERT LEVEL	DISTANCE	FALL	PIPE INTERNAL DIAMETER	DEPTH
M (X)	m	m	m	m	1:x	mm	m

S1	68.400		67.700				0.700
S2	68.200	67.558	66.900	6.4	45	150	1.300
S3	68.200	67.558	66.900	9.0	ZERO	150	1.300

LEGEND:

S1 ○ PROPOSED SURFACE WATER INSPECTION CHAMBER

--- PROPOSED SURFACE WATER PIPE

ALL DRAINAGE WORKS TO COMPLY WITH CURRENT BUILDING REGULATIONS AND GREATER DUBLIN REGIONAL CODE OF PRACTICE FOR DRAINAGE WORKS. ALL DRAINAGE COVERS AND FRAMES SHALL COMPLY WITH IS/EN 124, CLASS D400 FOR TRAFFICKED AND CLASS B125 FOR NOT TRAFFICKED SURFACES. ALL PROPOSED RAINWATER DOWN PIPES TO BE FITTED WITH ACCESS PLATE/FITTING (REMOVABLE AND READILY ACCESSIBLE FOR MAINTENANCE PURPOSES). PROPOSED SOAKAWAY TO BE CONSTRUCTED IN ACCORDANCE WITH BRE DIGEST 365.

ADDITION INFORMATION REQUEST
SOUTH DUBLIN COUNTY COUNCIL
DECISION ORDER NUMBER: 1588
REGISTER REFERENCE: SD22B/0469

REV.	DATE	DESCRIPTION
A	11/04/2023	ISSUED FOR COMMENTS

<p>CLIENT: LOUISE KELLY AND NIAL HEAVIN</p>	 WP CONSULTING ENGINEERS LTD. 200 Kimmage Road West Kimmage Dublin 12 D12 VW31 Tel: 01 910 41 24 Mobile: 087 160 97 90 info@wpconsulting.ie
<p>PROJECT: 6, KNOCKLYON COTTAGES, KNOCKLYON ROAD, DUBLIN 16</p>	
<p>DRAWING TITLE: PROPOSED SITE LAYOUT PLAN AND DETAILS</p>	<p>SCALE: AS NOTED @ A3 DATE: APRIL 2023 DWG. NUMBER: 1103-C01</p>
<p>DRAWING STATUS: PLANNING DRAWN BY: W. PRUS REVISION: A</p>	