

FOR VENTILATION SEE MANUFACTURER'S DETAILS. FOR SYSTEM SHOWN, PROPRIETARY CONNECTOR SHALL BE ROUTED TO UPSTREAM CHAMBER TO FORM LINK FOR AIR TO TRAVEL FROM HIGHEST POINT OF TANK INTO CHAMBER TO ALLOW AIR PRESSURE TO EQUALIZE DURING FILLING/EMPTYING OPERATION

THERMALLY SEAL IMPERMEABLE LAYER TO VENT PIPE

IMPERMEABLE MEMBRANE (VISQUEEN UDG OR EQUAL APPROVED) TO BE INSTALLED TO SURROUND CRATES AND PERFORATED PIPE ARRANGEMENT. SPECIFICATION TO SUIT CRATE MANUFACTURER, SUBJECT TO APPROVAL OF DRAINAGE ENGINEER

VENTED COVER TO BE INSTALLED

SUMP LEVEL 500mm BELOW OUTGOING LEVEL OF PIPE

THERMALLY SEAL IMPERMEABLE LAYER TO INCOMING PIPE

PROTECTIVE GEOTEXTILE (TERRAM 1000 OR EQUAL APPROVED) TO SURROUND ENTIRE CONSTRUCTION OF CELLULAR STORAGE CRATES. SPECIFICATION TO SUIT CRATE MANUFACTURE'S DETAILS AND APPROVAL BY DRAINAGE ENGINEER

0.5m DEEP CELLULAR STORAGE UNITS BASED ON SDS GEOLIGHT 400KN UNITS. IF ALTERNATIVE PRODUCT IS PREFERRED, CONTRACTOR TO PROVIDE SPECIFICATION AND DETAILS OF ALTERNATIVE PRODUCT FOR REVIEW AND APPROVAL BY ENGINEER PRIOR TO INSTALLATION

100mm COARSE SAND OR NON-ANGULAR GRANULAR MATERIAL

FOR VORTEX FLOW CONTROL DETAILS, REFER TO LAYOUT DRAWING

SUMP LEVEL TO BE ADJUSTED TO SUIT RECOMMENDATIONS OF FLOW CONTROL MANUFACTURER

MINIMUM 150mm THICK LAYER OF GRANULAR MATERIAL WITH MINIMUM 0.3 VOIDS RATIO TO SURROUND PIPE. GRANULAR MATERIAL TO BS 7533-13 GRADING CURVES AND TO DRAINAGE ENGINEER'S APPROVAL.

TYPICAL SECTION THROUGH CELLULAR STORAGE TANK

100mm THICK LAYER OF COARSE SAND OR NON-ANGULAR GRANULAR MATERIAL TO SURROUND TANK

WRAP ENTIRE CONSTRUCTION OF PIPE, TANK AND 0.3 VOID RATIO MATERIAL IN AN IMPERMEABLE GEOMEMBRANE (VISQUEEN UDG OR EQUAL APPROVED)

CELLULAR STORAGE UNITS. SEE NOTES ON LAYOUT DRAWINGS FOR PLAN DIMENSIONS AND DEPTH. UNITS TO BE SUITABLE FOR INSTALLATION UNDER LOADING CRITERIA SHOWN ON LAYOUT DRAWING

WRAP TANK IN PROTECTIVE GEOTEXTILE (TERRAM 1000 OR EQUAL APPROVED) TO ALLOW WATER FROM PERFORATED PIPE TO MIGRATE TO TANK UNITS

TANK TO BE LAID TO A LONGITUDINAL GRADIENT TO MATCH ADJACENT PERFORATE PIPE AND A CROSS FALL TOWARDS THE PIPE OF NO FLATTER THAN 1:100

MINIMUM 150mm THICK LAYER OF GRANULAR MATERIAL WITH MINIMUM 0.3 VOIDS RATIO TO SURROUND PIPE. GRANULAR MATERIAL TO BS 7533-13 GRADING CURVES AND TO DRAINAGE ENGINEER'S APPROVAL

PERFORATED PIPE WITH MINIMUM 4% SURFACE PERFORATIONS TO DISTRIBUTE WATER TO ATTENUATION CRATES. SEE LAYOUT FOR PIPE SIZE. WRAP PIPE IN PERMEABLE GEOTEXTILE TO ALLOW MIGRATION OF WATER TO AND FROM ATTENUATION CRATES.

IMPERMEABLE MEMBRANE (VISQUEEN UDG OR EQUAL APPROVED) TO BE INSTALLED TO SURROUND CRATES AND PERFORATED PIPE ARRANGEMENT. SPECIFICATION TO SUIT CRATE MANUFACTURER, SUBJECT TO APPROVAL OF DRAINAGE ENGINEER

100mm COARSE SAND OR NON-ANGULAR GRANULAR MATERIAL

SECTION 1 - 1

NOTES

1. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS NOTED OTHERWISE.
2. ALL LEVELS ARE IN METRES ABOVE ORDNANCE DATUM UNLESS NOTED OTHERWISE.
3. ALL DIMENSIONS AND LEVELS SHALL BE CHECKED ON SITE PRIOR TO ANY WORKS BEING PUT IN HAND.
4. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH ALL OTHER CONTRACT DRAWINGS AND RELEVANT STRUCTURAL SPECIFICATIONS.
5. ANY DISCREPANCIES BETWEEN THE INFORMATION GIVEN SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER AS SOON AS POSSIBLE.
6. ALL MATERIALS USED IN THE WORKS SHALL BE TO BRITISH STANDARDS OR OTHER APPLICABLE SPECIFICATIONS.
7. ALL WORK IS TO BE CARRIED OUT TO B.S. CODES OF PRACTICE AND IN ACCORDANCE WITH GOOD WORKMANSHIP PRACTICE.
8. ALL PROPRIETARY MATERIALS USED IN THE WORKS SHALL BE USED IN COMPLETE ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATIONS.
9. ALL BURIED, SURFACE AND OVERHEAD SERVICE INFORMATION CONTAINED WITHIN THIS DRAWING IS SHOWN INDICATIVELY. THE SERVICES SHOWN MAY NOT REPRESENT THE ENTIRETY OF ALL SERVICES THAT MAY BE ENCOUNTERED. ALL SOURCE INFORMATION SHOULD BE REFERRED TO PRIOR TO UNDERTAKING WORKS ON SITE. CROUCH WATERFALL ACCEPT NO RESPONSIBILITY FOR OMISSIONS OR ERRORS IN THE POSITIONING OF THE SERVICES PRESENT ON SITE. REFER TO ALL RELATED ENGINEERING DRAWINGS, FORMS AND SPECIFICATIONS FOR FURTHER INFORMATION. REFER TO THE RESIDUALDESIGNERS RISK ASSESSMENT FOR ACTIONS TO MINIMISE AND MITIGATE RISK ASSOCIATED WITH KNOWN AND UNKNOWN SERVICES ON SITE

INFORMATION

B	AMENDED FOR LLFA COMMENT	RP	RP	MGB	29/01/2021
A	ISSUED FOR LLFA COMMENT	RP	RP	MGB	24/01/2021
REV	AMENDMENT	DRN	CHK	APP	DATE

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CROUCH
WATERFALL

CLIENT

BOURNE LEISURE

PROJECT TITLE

BUTLINS BOGNOR
TEMPORARY VENUE

DRAWING TITLE

DRAINAGE DETAILS
SHEET 3

DRAWN	CHK	APP	DATE	SCALE
RP	RP	MGB	JAN 2021	NOT TO SCALE
JOB NUMBER	DRAWING NUMBER		REVISION	
20074	513		B	