

EXISTING TREE
SCREEN
RETAINED

Block B, C & D
parking
37 spaces for
27 units

GEOCELLULAR SOAKAWAY TANK
GEOCELLULAR TANK PRODUCT: WAVIN AQUACELL CORE
GEOCELLULAR TANK DIMENSIONS (LxWxD): 7x4x0.8m
GEOCELLULAR TANK INVERT LEVEL: 61.350m AOD
INFILTRATION RATE: 0.0432 m/hr (1.2e-5m/s)
TO BE LOCATED AT A MINIMUM OF 5m FROM ALL BUILDINGS

CONNECT TO EXISTING SOUTHERN
WATER FOUL MANHOLE (1000)
PEAK DISCHARGE FROM SITE 0.23/s
S106 APPLICATION TO SOUTHERN
WATER REQUIRED

AS-BUILT
62.930
62.230

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SITE BOUNDARY

EXISTING PLOT SW DRAIN

PLOT SW DRAIN

(150mmØ UNLESS NOTED OTHERWISE)

SW TYPE 5 NON-ENTRY ACCESS CHAMBER (4500)

MAX DEPTH TO INVERT 1m

MAX LOADING - LIGHT VEHICULAR

FLEXIBLE CONSTRUCTION (CONCRETE COLLAR

REQUIRED FOR VEHICULAR LOADING)

ST (WHERE SHOWN) INDICATES SILT TRAP

DRAINAGE INSPECTION CHAMBER;

COVER LEVEL

INVERT LEVEL (OF OUTGOING PIPE)

bd (WHERE SHOWN) INDICATES BACK DROP

GEO-CELLULAR ATTENUATION TANK

(AS SOAKAWAY)

EXISTING SW SWALE

EXISTING PLOT FW DRAIN

PLOT FW DRAIN

(100mmØ UNLESS NOTED OTHERWISE)

FW TYPE 4 NON-ENTRY ACCESS CHAMBER (4500)

MAX DEPTH TO INVERT 3m OR

TEGRA® NON-ENTRY ACCESS CHAMBER (6000)

FOR DEPTHS >3m BUT <5m

MAX LOADING - LIGHT VEHICULAR

FLEXIBLE CONSTRUCTION (CONCRETE COLLAR

REQUIRED FOR VEHICULAR LOADING)

FW TYPE 5 NON-ENTRY ACCESS CHAMBER (4500)

MAX DEPTH TO INVERT 1m

MAX LOADING - LIGHT VEHICULAR

FLEXIBLE CONSTRUCTION (CONCRETE COLLAR

REQUIRED FOR VEHICULAR LOADING)

DRAINAGE INSPECTION CHAMBER;

COVER LEVEL

INVERT LEVEL (OF OUTGOING PIPE)

bd (WHERE SHOWN) INDICATES BACK DROP

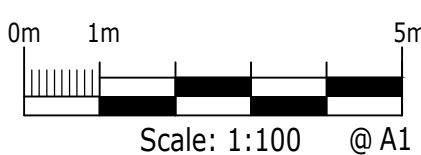
EXISTING PUBLIC FOUL WATER SEWER

NOTES:

- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE RELEVANT SPECIFICATION, INC. RISK ASSESSMENTS (SEE CDM NOTES) AND ALL OTHER RELATED DRAWINGS ISSUED BY THE ENGINEER.
- DO NOT SCALE FROM THIS DRAWING. WORK FROM FIGURED DIMENSIONS ONLY.
- ALL DIMENSIONS SHOWN ON THIS DRAWING ARE IN METRES UNLESS OTHERWISE STATED.
- ALL DIMENSIONS, LEVELS AND SURVEY GRID CO-ORDINATES ARE TO BE CHECKED ON SITE AND THE ENGINEER NOTIFIED IMMEDIATELY OF ANY DISCREPANCIES PRIOR TO THE COMMENCEMENT OF THE WORKS.
- NO DEVIATION FROM THE DETAILS SHOWN ON THIS DRAWING IS PERMITTED WITHOUT PRIOR PERMISSION FROM THE ENGINEER.
- ANY WORKS OUTSIDE RED SITE BOUNDARY ARE FOR INFORMATION PURPOSES ONLY. UNLESS SPECIFICALLY NOTED, ALL WORKS OUTSIDE THE SITE BOUNDARY WILL BE UNDERTAKEN BY OTHERS UNDER A SEPARATE CONTRACT.
- ALL PRIVATE DRAINAGE IS TO COMPLY AND BE LAID IN ACCORDANCE WITH CURRENT PART H OF BUILDING REGULATIONS, BS 8301 AND BS 5955.
- POSITION OF DRAINAGE POINTS SUBJECT TO CONFIRMATION.
- POSITION & INVERT LEVELS OF ALL EXISTING MANHOLES, SEWERS AND LATERALS TO BE CONFIRMED PRIOR TO CONSTRUCTION & ANY DISCREPANCIES REPORTED TO THE ENGINEER.
- ALL DRAIN AND SEWER PIPES ARE TO BE LAID SOFFIT TO SOFFIT, UNLESS SHOWN OTHERWISE (SEE ALSO MANHOLE SCHEDULE DRAWINGS).
- ALL SURFACE WATER DRAINAGE TO BE 100mm Ø UNLESS SHOWN OTHERWISE, LAID IN ACCORDANCE WITH BS 8301.
- ALL FOUL WATER DRAINAGE TO BE 100mm Ø UNLESS SHOWN OTHERWISE, LAID IN ACCORDANCE WITH BS 8301.
- ALL MATERIALS SHALL COMPLY TO THE BS1 KITE MARK CERTIFICATION SCHEME AND MUST BE MARKED ACCORDINGLY.
- COVER AND FRAMES TO MANHOLES/INSPECTION CHAMBERS TO COMPLY WITH BS EN124. REFER TO DRAINAGE CONSTRUCTION DETAILS DRAWING.
- WHERE FINISHED GROUND LEVELS FALL TOWARDS BUILDING, AN OPEN GULLY IS TO BE PROVIDED AT THE FOOT OF ALL RAINWATER PIPES. ALL RAINWATER PIPES TO HAVE RODDING ACCESS.
- FINAL POSITIONS OF INSPECTION CHAMBERS ARE SUBJECT TO CONFIRMATION ON SITE TO SUIT PIPE CONFIGURATIONS AND CHAMBER INLET POSITIONS.
- WHERE A DRAIN RUN PASSES THROUGH A WALL OR FOUNDATION IT IS NECESSARY TO:
 - FORM AN OPENING USING A CONCRETE LINTEL WITH AT LEAST 50mm CLEARANCE AROUND THE PIPE AND THE OPENINGS MARKED WITH RIGID SHEET MATERIAL TO PREVENT ENTRY OF FILL OR VERMIN, OR;
 - BUILD IN A LENGTH OF PIPE WITH ITS JOINTS AS CLOSE AS POSSIBLE TO THE WALL FACES (150mm MAXIMUM) AND CONNECTED ON EACH SIDE TO 600mm LONG ROCKER PIPES WITH FLEXIBLE JOINTS.
- DRAINAGE TO BE BEDDED ON GRANULAR MATERIAL AND BACKFILLED WITH SUITABLE CLEAN MATERIAL, AS DESCRIBED ON THE PRIVATE DRAINAGE CONSTRUCTION DETAILS DRAWINGS. SEE ALSO SHALLOW DRAINAGE TRENCH DETAIL AND PIPE RUNS NEAR BUILDINGS DETAIL FOR CONCRETE BED AND SURROUND PIPE PROTECTION MEASURES WHERE APPLICABLE.
- BACKFILL SHOULD BE PLACED IN LAYERS NOT EXCEEDING 300mm (UNCOMPACTED THICKNESS), EACH LAYER BEING WELL COMPACTED. MECHANICAL COMPACTION EQUIPMENT SHOULD NOT BE USED UNTIL THERE IS A MINIMUM OF 450mm OF COMPACTED MATERIAL ABOVE THE CROWN OF THE PIPE.
- ALL DRAIN CONNECTIONS BENEATH VEHICULAR ACCESS AREAS ARE TO HAVE MINIMUM 150mm CONCRETE BED AND SURROUND, WHERE COVER IS LESS THAN 1.2m.
- REFER TO PRE-TENDER HEALTH & SAFETY PLAN & CONSTRUCTION PHASE HEALTH & SAFETY PLAN PRIOR TO THE COMMENCEMENT OF WORKS.

CDM NOTES:

- THE ATTENTION OF THE CLIENT AND THE PRINCIPAL CONTRACTOR IS DRAWN TO THE FOLLOWING POTENTIAL RISKS IN CONJUNCTION WITH THE PROPOSED ON-SITE AND OFF-SITE WORKS AS DESIGNED FOR THIS PROJECT:
- WORKS IN THE VICINITY OF LIVE SERVICES WILL BE NECESSARY AND THE ADVICE OF ALL STATUTORY SERVICE COMPANIES MUST BE SOUGHT BEFORE ANY WORKS COMMENCE.
- WORKS WITHIN AND ABUTTING THE EXISTING HIGHWAY WILL ENTAIL TRAFFIC HAZARDS AND ALL APPROPRIATE SAFETY MEASURES INCLUDING BARRIERS, SIGNS AND LIGHTING MUST BE UNDERTAKEN TO THE APPROVAL OF THE LOCAL AUTHORITY, THE HIGHWAY AUTHORITY AND THE POLICE.
- HAZARDOUS MATERIALS INCLUDING CEMENT AND BITUMINOUS MATERIALS ARE SPECIFIED AND THE MANUFACTURER'S ADVICE ON SAFE HANDLING PROCEDURES MUST BE OBTAINED AND MADE CLEAR TO ALL OPERATIVES.
- THE CONTRACTOR WILL BE RESPONSIBLE FOR LOCATING ALL EXISTING SERVICES WITHIN THE VICINITY OF THE WORKS AND ENSURE THESE ARE PROTECTED THROUGHOUT THE DURATION OF THE WORKS. ALL UTILITY PLANT SHOULD BE CLEARLY MARKED ON THE GROUND PRIOR TO COMMENCEMENT OF THE WORKS.
- THE CONTRACTOR MUST ENSURE ALL WORKING AREAS ARE FULLY SECURE.



Rev Description Dn Chk App Date

Purpose: PRELIMINARY Status: NOT YET APPROVED

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Client

CROSS HOMES (SUSSEX) LTD.

Project Title:

LAND TO THE SOUTH OF
OLD ROCKY LANE

Drawing Title:

**SURFACE AND FOUL WATER
DRAINAGE STRATEGY**

Drawn by LKB Checked by MSL Approved by JEC Revision

A1 Scale 1:100@A1 Date 03.06.25

Drawing Number

196240 A-ACE-XX-XX-DR-C-0200