

Filename: P:\33000-33990\33160 - Vantage\CWL12-HYDR-SW-XX-DR-C-900155_CWL12 Drainage General Arrangement Plan.dwg



ATTENUATION BASIN CONSENTED
UNDER APP REF 23/0954

PRIVATE DRAINAGE NOTES:

- DRAWING TO BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT PROJECT DRAWINGS
- DOUBLE SEALED AND LOCKABLE COVERS TO BE SUPPLIED WHERE SPECIFIED ON MANHOLE SCHEDULE.
- ALL PRIVATE DRAINAGE TO COMPLY WITH CURRENT BUILDING REGULATIONS, BS EN-752 DRAIN AND SEWER SYSTEMS OUTSIDE BUILDINGS AND OTHER RELEVANT BRITISH STANDARDS AND CODES OF PRACTICES.
- ALL SEWERS TO BE LAID SOFFIT TO SOFFIT UNLESS OTHERWISE SHOWN. IT IS THE CONTRACTORS RESPONSIBILITY TO LOCATE EXISTING SERVICES ON SITE ACCURATELY.
- THE CONTRACTOR IS TO VERIFY THE LINE, LEVEL AND DIAMETER OF EXISTING SEWERS BEFORE COMMENCING DRAINAGE WORKS.
- ALL LEVELS ARE TO OS DATUM UNLESS OTHERWISE STATED.
- COMPLIANCE WITH HEALTH & SAFETY MATTERS ON ANY TRENCH/MANHOLE IS OBLIGATORY AND A PERMIT TO ENTER A CONFINED SPACE IS REQUIRED WHEN CONNECTING SITE DRAINAGE TO THE EXISTING PUBLIC SEWERAGE SYSTEM. A PERMIT TO ENTER A CONFINED SPACE WILL BE OBTAINED FROM THE SEWERAGE UNDERTAKER PRIOR TO THE WORKS COMMENCING ON ANY PUBLIC SEWERAGE SYSTEM.
- WHERE SEWERS ARE TO BE CONSTRUCTED INSIDE THE RESTRICT TREE ZONE A SUITABLE TRESS PROTECTION BARRIER IS TO BE INSTALLED TO THE LANDSCAPE ARCHITECTS SPECIFICATION.
- ALL SVP, SS AND RWP POSITIONS SHOWN ARE APPROXIMATE ONLY. FOR SETTING OUT OF SVPs, SS AND RWP'S REFER TO ARCHITECTS DETAILED CONSTRUCTION DRAWINGS AND/OR M&E ABOVE GROUND DRAINAGE DESIGN. ANY DISCREPANCIES TO BE REPORTED TO THE ENGINEER PRIOR TO CONSTRUCTION.
- ALL PRIVATE SWS DRAINS TO BE Ø150mm PLASTIC PIPEWORK LAID AT A MINIMUM FALL OF 1 in 100.
- ALL LINEAR DRAIN OUTLETS TO BE Ø100mm AT MINIMUM FALL OF 1 in 100 TO MAXIMUM FALL OF 1 in 10.
- ALL PRIVATE FWS DRAINS TO BE Ø100mm PLASTIC PIPEWORK LAID AT A MINIMUM SLOPE OF 1 in 40 UPSTREAM OF FIRST W.C. CONNECTION ON A RUN. AFTER CONNECTION OF 1st W.C. TO BE LAID AT MINIMUM SLOPE OF 1 in 80.
- PIPEWORK TO HAVE BED AND SURROUND AS FOLLOWS:
 - UNDERNEATH PRIVATE DRIVEWAYS, PARKING AREAS WITH RESTRICTIONS TO PREVENT ACCESS BY VEHICLES IN EXCESS OF 7.5T AND PATHWAYS ADJACENT TO VEHICLE ACCESS TO BE:
 - COVER TO TOP OF PIPE > 0.9m - TYPE S or TYPE T (PLASTIC)
 - COVER TO TOP OF PIPE < 0.9m - TYPE Z (CONCRETE SURROUND)
 - UNDERNEATH DOMESTIC GARDENS AND PATHWAYS WITH NO POSSIBILITY OF VEHICLE ACCESS TO BE:
 - COVER TO TOP OF PIPE > 0.35m - TYPE S or TYPE T (PLASTIC)
 - COVER TO TOP OF PIPE < 0.35m - TYPE Z (CONCRETE SURROUND)
- ALL DRAINAGE OUTFALLS AND CONNECTIONS TO EXISTING FEATURES/SYSTEMS SHALL BE CHECKED & SURVEYED AND THE RESULTS PASSED TO THE OVERSEEING AUTHORITY / CLIENT IN ADVANCE OF THE START OF DRAINAGE WORKS.

SAB DRAINAGE NOTES:

- DRAWING TO BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT PROJECT DRAWINGS.
- THE SURFACE WATER DRAINAGE IS SUBJECT TO APPROVAL BY THE SAB.
- THE SPECIFICATION IN ALL RESPECTS SHALL BE IN ACCORDANCE WITH THE CURRENT SPECIFICATION AND CONSTRUCTION PUBLICATION IN FORCE IN THE COUNTY AT THE TIME OF CONSTRUCTION.
- ALL SWS PIPEWORK IS 225mm @ 1:150 MIN FALL UNLESS OTHERWISE SHOWN.
- DRAINAGE TO ENGINEERED BATTERS AND GROUNDWATER RELIEF CUT OFF DRAINAGE TO BE CONFIRMED BY GEOTECHNICAL ENGINEERS, INCLUDING BUT NOT LIMITED TO ANY REQUIREMENT FOR FIN DRAINAGE ON SLOPES AND ANTICIPATED GROUNDWATER FLOWS.
- DRAINAGE REQUIREMENTS FOR RETAINING STRUCTURES TO BE CONFIRMED BY STRUCTURAL ENGINEERS.
- ALL LAND DRAINAGE TO BE 225mm PERFORATED PIPEWORK BE LAID AT MIN FALL OF 1:200 WITH MIN 600mm COVER TO TOP OF PIPE FROM PROPOSED GROUND LEVEL WITH 450 Ø PLASTIC CATCHPITS UNLESS OTHERWISE SPECIFIED. TYPE 1 (TURF FINISHED) AND TYPE 2 (GRAVEL FINISHED) TO BE USED IN ACCORDANCE WITH LANDSCAPE ARCHITECTS PREFERENCES.
- THRESHOLD DRAINAGE TO ARCHITECTS SPECIFICATION.
- ALL DRAINAGE OUTFALLS AND CONNECTIONS TO EXISTING FEATURES/SYSTEMS SHALL BE CHECKED & SURVEYED AND THE RESULTS PASSED TO THE OVERSEEING AUTHORITY / CLIENT IN ADVANCE OF THE START OF DRAINAGE WORKS
- ALL LINEAR DRAIN OUTLETS TO BE Ø100mm AT MINIMUM FALL OF 1 in 150 TO MAXIMUM FALL OF 1 in 10 UNLESS STATED.
- ALL PRIVATE FWS DRAINS TO BE Ø100mm PLASTIC PIPEWORK LAID AT A MINIMUM SLOPE OF 1 in 40 UPSTREAM OF FIRST W.C. CONNECTION ON A RUN. AFTER CONNECTION OF 1st W.C. TO BE LAID AT MINIMUM SLOPE OF 1 in 80 UNLESS STATED.
- PIPEWORK TO HAVE BED AND SURROUND AS FOLLOWS:
 - UNDERNEATH PRIVATE DRIVEWAYS, PARKING AREAS WITH RESTRICTIONS TO PREVENT ACCESS BY VEHICLES IN EXCESS OF 7.5T AND PATHWAYS ADJACENT TO VEHICLE ACCESS TO BE:
 - COVER TO TOP OF PIPE > 0.9m - TYPE S or TYPE T (PLASTIC)
 - COVER TO TOP OF PIPE < 0.9m - TYPE Z (CONCRETE SURROUND)
 - UNDERNEATH DOMESTIC GARDENS AND PATHWAYS WITH NO POSSIBILITY OF VEHICLE ACCESS TO BE:
 - COVER TO TOP OF PIPE > 0.35m - TYPE S or TYPE T (PLASTIC)
 - COVER TO TOP OF PIPE < 0.35m - TYPE Z (CONCRETE SURROUND)



KEY

- SITE BOUNDARY
- PROPOSED SURFACE WATER SEWER
- PROPOSED PERFORATED SURFACE WATER PIPE
- PROPOSED FLOW CONTROL CHAMBER
- PROPOSED SURFACE WATER MANHOLE
- PROPOSED RAINWATER PIPE
- PROPOSED HEADWALL INLET/OUTLET
- LINEAR DRAIN SUMP UNIT
- PROPOSED LINEAR DRAINAGE CHANNEL
- PROPOSED RAIN GARDEN
- PROPOSED FILTER STRIP
- PROPOSED FILTER TRENCH
- PROPOSED PERMEABLE PAVING
- PROPOSED FOUL WATER SEWER
- PROPOSED FOUL WATER MANHOLE
- PROPOSED KERB DRAIN
- PROPOSED PETROL INTERCEPTOR
- EXISTING FOUL WATER SEWER
- EXISTING SURFACE WATER SEWER
- PROPOSED ROOF SERVED BY RWH
- EXISTING SURFACE WATER MANHOLE
- EXISTING FOUL WATER MANHOLE
- BEANY BLOCK 205 BASE UNIT
- BEANY BLOCK 295 BASE UNIT
- BEANY BLOCK WITH COVER PLATE
- BEANY BLOCK ACCESS COVER
- FOUL SOIL CONNECTION
- DISHED CHANNEL

ALL SUDs COMPONENTS SHOULD BE DESIGNED AND CONSTRUCTED IN ACCORDANCE WITH CIRIA REPORT C756 THE SUDs MANUAL C753 AND CIRIA REPORT C768 GUIDANCE ON THE CONSTRUCTION OF SUDs

REVISIONS

C01	First Issue	23/05/25	ml	ml ml
Rev.	Revision Notes	Date	Drawn By	Checked Approved

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CLIENT



PROJECT

VANTAGE DATA CENTERS - CWL12

TITLE

DRAINAGE GENERAL ARRANGEMENT PLAN

HYDROCK PROJECT NO. C-33160		SCALE @ A1 1:500	
STATUS DESCRIPTION STAGE APPROVAL STAGE 5			STATUS S5
DRAWING NO. CWL12-HYDR-SW-XX-DR-C-900155			REVISION C01