

Notes

- All works to be carried out in accordance with:
 - Design and Construction Guidance (DCG) and Sewerage Sector Guidance (SSG) for all sewers proposed to be offered for adoption. (note - the SSG replaces Sewers for Adoption (SfA) for all new developments)
 - BS EN 752 - 'Drain and Sewer Systems Outside Buildings'
 - Current applicable Building Regulations
 - BGP Specifications
 - Manufacturer installation guidance and requirements
- All levels shown are in metres and are relative to ordnance datum (m AOD).
- Invert levels of all existing chambers and connection points are to be confirmed and engineer advised prior to commencement of any Drainage Works.
- Where proposed sewers connect into existing sewers, the existing sewers must to be checked for line, level and condition preferably by a CCTV survey
- Concrete bed and surround is required to all gully leads and to all pipes in highways/hardstanding where cover to pipe <1200mm
- All pipes to be either extra strength V.C. to BS 65 or PVC certified to WIS 4-35-01 and BS/EN13476 'UPONOR ULTRARIB' or concrete pipes Class 120 to BS/EN 1916/BS5911-1 2002.
- Existing sewer positions are indicative and are not to be used in conjunction with design. Contractor to confirm location.
- Contractor is responsible for positioning MHs so they do not compromise line or level of kerbing or other delineation at the junction of two surface materials.
- Cover levels shown are indicative and may vary on site. The contractor should adjust levels to suit site conditions
- Other services are not shown on this drawing, however their presence must be anticipated. The contractor is to confirm prior to commencing any works, the location and depth of all services that may affect the works the manufacturers requirements and recommendations.
- All Information provided is for planning purposes only and should not be relied upon for either costing or construction.
- All drainage outfall levels are to be investigated and confirmed prior to detailed design. Engineer to be informed of findings. Current design shown is indicative.
- All Surface water discharge rates and methods of discharge are to be agreed with the Lead Local Flood Authority and Environment Agency.

S.H.E.
Do not excavate until all underground services have been identified and marked out. Refer to service providers drawings and to the utilities survey drawings. Unknown underground services may exist. Check for services by carrying out a scan with a cable avoidance tool.

Legend

- Proposed SW Sewer ---
- Proposed FW Sewer ---
- Nor Beck (Culverted) ---
- Existing SW Sewer ---
- Existing FW Sewer ---
- Existing UU Combined Sewer ---
- BOC Yard Redline Boundary ---
- Existing Ground Level ---
- Existing EA 8m Easement
- Proposed Attenuation Tank

*NOTE: 180m³ Storage required based on 1 in 100 year storm + 40% climate change and 15.0 l/s discharge rate.
Tank Depth = 2.0m / Tank Base = 77.700
Tank Dimensions = 6.0m x 15.0m
Vent pipe & access points TBC by Manufacturer.

Issued for Information	JJH	P02	JC	07.09.2022
Issued for Comment	JJH	P01	JC	29.06.2022
AMENDMENT	BY	REV	CHK	DATE

Rev P = Preliminary T = Tender C = Construction LCI = Last Construction Issue

In instances where this drawing completes or partly completes a contract, Billingham George & Partners will consider that it's product has been validated, unless in a period not exceeding 90 working days, the client advises to the contrary.



Billingham George & Partners

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Client

Copeland Borough Council

Project

Cleator Moor Innovation Quarter - BOC Yard

Project No.

21T2034

Drawing Title

Section through Nor Beck Culvert

Drawn	Date	Checked	Date	Size	Scale	Class.	Rev.
JJH	June 2022	JC	June 2022	A1	As Noted	52	P02
Location	Originator	Volume	Level	Type	Role	Unique No.	
CMIQ	BGP	04	XX	DR	C	04150	

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