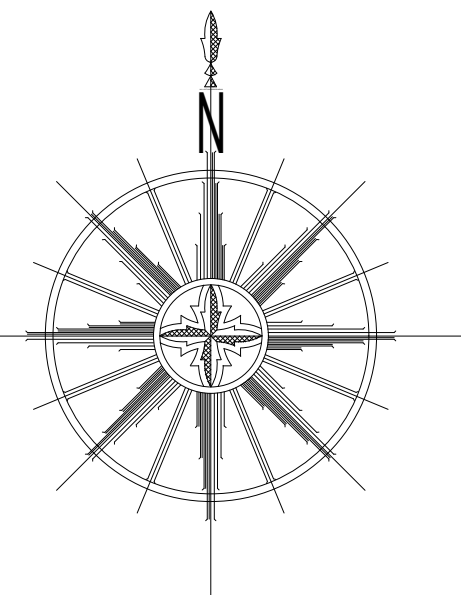




SURFACE WATER MANAGEMENT NOTES

Attenuation Basin

Depression to be constructed immediately downstream of the inlet headwall to provide temporary storage for surface water runoff encouraging sediment drop. A silt wall will be incorporated across the basin to reduce flow velocities, promote even water distribution, and encourage sediment deposition within the basin. These design measures enhance the effective management of stormwater and contribute to improved water quality prior to discharge.

Flow Control Chambers

The control chamber shall be subject to regular inspections throughout the construction phase to monitor and manage any sediment accumulation. The Hydrokrane flow control device must be routinely checked to ensure it remains free from debris and obstructions that could compromise its performance. Adherence to these inspection and maintenance activities is essential to maintain the long-term functionality and efficiency of the surface water management system.

Highway Drainage

Highway gullies shall be emptied on a regular basis to prevent debris from entering the adoptable drainage system. Additionally, road surfaces are to be routinely swept using a mechanical road sweeper to remove accumulated surface debris. Gully guards shall be installed where appropriate to reduce the ingress of large debris and filter into the drainage system. These guards should be inspected and cleaned periodically to ensure they remain effective and do not obstruct the flow of surface water. These measures are critical to preserving the efficiency of the highway drainage network and preventing localized flooding caused by blockages.

Earthworks

Existing areas of topsoil and vegetation shall be retained wherever possible to mitigate overland surface water flows. In locations where topsoil and vegetation must be removed, reinstatement should occur at the earliest practicable opportunity to minimize runoff and maintain natural infiltration. Silt fencing shall be installed around earthwork areas to control sediment-laden runoff and prevent silt from entering the surface water drainage system. The fencing should be inspected regularly and maintained or replaced as necessary to ensure continued effectiveness throughout the construction period. These measures support effective surface water management and reduce the risk of erosion during and after construction activities.

Adoptable Drainage Network

Manhole lids shall be lifted on a regular basis to inspect and clear chambers of accumulated sediment or debris. In the event of a blockage, high-pressure jetting shall be employed to restore flow, with appropriate debris collection measures implemented downstream to prevent contamination or secondary blockages. Consistent maintenance of the drainage system is essential to ensure its continued reliability and operational efficiency.

KEY:

- B1 ADOPTABLE SECTION 104 STORM SEWER AND MANHOLE
- PROPOSED SUBS FEATURE
- EXISTING SURFACE WATER FEATURE
- SILT FENCING TO BE ALTERED IN LINE WITH CMP BUILD ROUTE
- OVERLAND FLOW DIRECTION

During the construction of the culvert and headwalls, the watercourse should be temporarily diverted to mitigate the risk of contamination from construction materials and pollutants entering downstream environments. All diversion and pollution control measures will be implemented in accordance with the contractor's Risk Assessment and Method Statement (RAMS)

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Provide a continuous land-drainage feature or earthworks bund along the site boundary to intercept and divert surface runoff away from existing properties

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Rev	Description	Initial	Date	
A	Updated with latest planning layout (Phase 2 Composite Rev B) received 24.10.25	EN	30.10.25	

SW MANAGEMENT PLAN

HINCKLEY PHASE 2

Dwg No: H0997-340-01 Rev A
Scale: 1:500
Date: 22.10.25
Drawn by: EN
Checked by: EN

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