

MODEL 2: CONSTRUCTION & OPERATION
(10m EMBANKMENT IN THE GWENT LEVELS (PILED FOUNDATIONS - NO BAND DRAINS))

Legend

Geology & Hydrogeology

- Indicative Ground Level
- Topsoil
- Tidal Flat Deposits (TFD)
- Glaciofluvial Deposits (GFD)
- Mercia Mudstone Group (MMG)
- Potentiometric Surface of GFD/MMG Aquifer (c.4.5mAOD)

Highway Structure

- Cover Layer
- General Embankment Fill
- Longitudinal Geogrid
- Basal Layer - Compacted Granular Material
- Piling Platform - Compacted Granular Material (c.0.5m)
- Transverse Geogrid
- Compensatory Reen (c.2.0m Deep)
- Compensatory Field Ditch (c.1.0m Deep)
- Driven Pile (0.275m Width with 0.9 x 0.35m Cap)
- Indicative 2.5m Spacing Shown
- Highway Run-Off
- Surface Run-Off
- Potential Infiltration through Embankment Fill



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Environmental Statement

Schematic Conceptual Embankment
- Post-Surcharge Phase: >5m Height
within the Gwent Levels

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Scale A3 @ 1:350
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