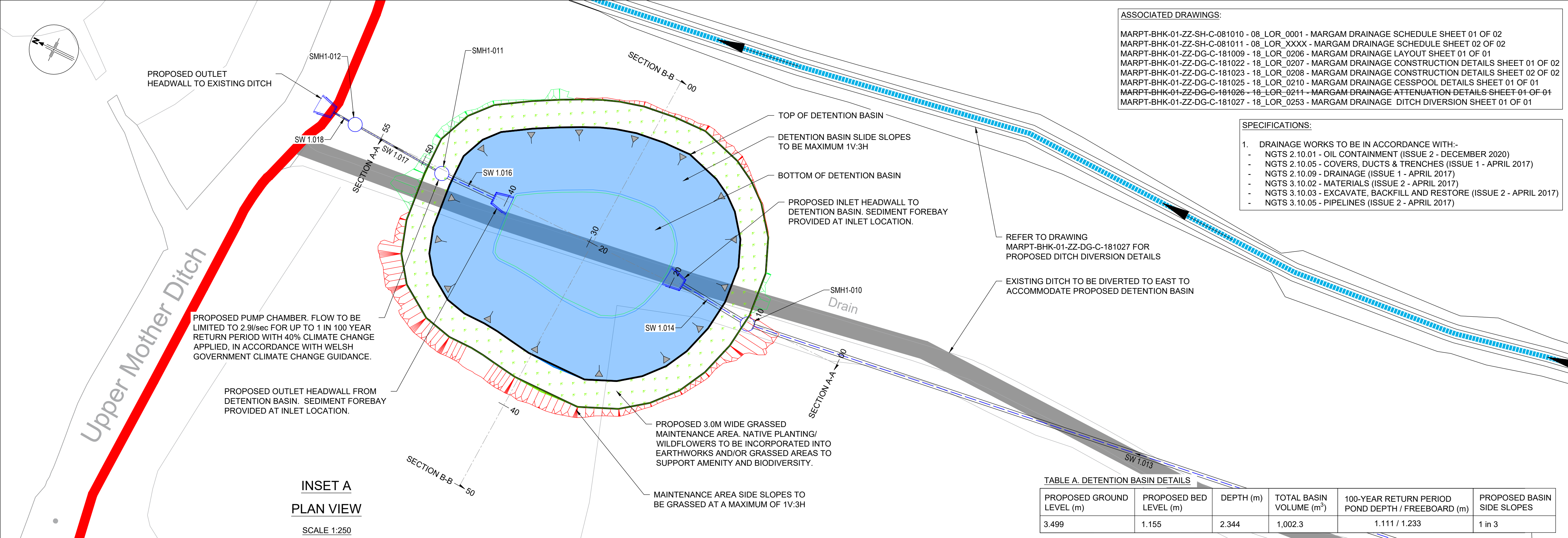




Health & Safety

CDM regulations 2015

Significant risks associated with this drawing are identified below and, where applicable, at specific locations on the drawing. Refer to the CDM Regulation 9 Risk Register (30004695-BHK-XX-XX-RE-18-0012) for full details.

1. DO NOT CONSTRUCT FROM THIS DRAWING - FOR PLANNING ONLY

2. WORKS WITHIN CLOSE PROXIMITY OF LIVE OHL, SUFFICIENT CLEARANCES TO BE PROVIDED AT ALL TIMES.

3. WORKS TO BE CONSIDERATE OF PRESENCE OF GROUND CONTAMINATION.

4. WORKS TO BE CONSIDERATE OF PEAT PRESENCE/POOR GROUND CONDITIONS.

5. WORKING IN PROXIMITY OF OPEN WATER BODIES, CARE BE TAKEN DURING DRAINAGE MANOEUVRES.

6. DEEP EXCAVATIONS REQUIRED FOR CESSPOOL & DETENTION BASIN. EXCAVATIONS TO BE OPEN FOR MINIMUM TIME PRACTICABLE AND PROTECTED DURING WORKS.

7. HIGH GROUND WATER LEVELS ON SITE. SUITABLE DEWATERING TO BE IN PLACE DURING INSTALLATION OF SYSTEMS.

GENERAL NOTES:

1. DO NOT SCALE FROM THIS DRAWING.

2. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS NOTED OTHERWISE.

3. ALL LEVELS ARE IN METRES AND ARE RELATIVE TO ORDNANCE DATUM (A.O.D.)

4. THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH ALL OTHER ARCHITECTURAL AND ENGINEERING DETAILS, DRAWINGS AND SPECIFICATIONS.

5. DETAILS AND POSITIONS OF ALL EXISTING SERVICES TO BE CONFIRMED PRIOR TO THE COMMENCEMENT OF WORKS ON SITE.

DRAINAGE:

1. EXISTING LEVELS BASED ON COMBINATION OF TOPOGRAPHICAL SURVEY (109964_03_01 - Bakerhicks - Margam South Wales - GPR Utility Mapping & Topographical Survey) AND LIDAR INFORMATION.

KEY:

PROPOSED SURFACE WATER PIPE

PROPOSED SURFACE WATER RISING MAIN

PROPOSED SURFACE WATER CHAMBER

PROPOSED HEADWALL

EXISTING WATERCOURSE

PROPOSED WATERCOURSE DIVERSION

PROPOSED DETENTION BASIN

PROPOSED 3M WIDE GRASSED MAINTENANCE AREA TO DETENTION BASIN

EARTHWORKS CUT SECTION

EARTHWORK FILL SECTION

SITE BOUNDARY

100-YEAR RETURN PERIOD POND DEPTH

EXISTING GROUND LEVEL

PROPOSED DETENTION BASIN LEVEL

LAING O'ROURKE

PRELIMINARY

NOTE - FOR CLARITY THIS DRAWING SHOULD BE PLOTTED IN COLOUR

P02	S3 - FOR REVIEW AND COMMENT	IL	CE/RC	29/08/2025
P01	S3 - FOR REVIEW AND COMMENT	KA	CE/UD	30/05/2025
Rev	Description	Cre'd	Chk'd / App'd	Date

nationalgrid

National Grid Electricity Transmission plc, Warwick Technology Park, Gallows Hill, Warwick, CV34 6DA

Master Scheme No:

Sub-Scheme No:

Site:

101677

MARGAM / PORT TALBOT

Scheme Name:

MARGAM CONNECTION

Document Title:

MARGAM DRAINAGE ATTENUATION DETAILS SHEET 01 OF 01

Created by:

Date:

Checked by:

Date:

Approved by:

Date:

KA

30/05/25

CE

30/05/25

JD

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Development Eng

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Format:

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A1

01 OF 01

P02

National Grid Document Number:

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Diagram showing the layout of the MARGAM DRAINAGE ATTENUATION DETAILS, including the Upper Mother Ditch, Proposed Pump Chamber, Detention Basin, and various sections (A-A, B-B) and headwalls.

SECTION A-A HORIZ. SCALE: 1:250 VERT. SCALE: 1:50

SECTION B-B HORIZ. SCALE: 1:250 VERT. SCALE: 1:50

SITE PLAN VIEW SCALE 1:2000

KEY:

- PROPOSED SURFACE WATER PIPE
- PROPOSED SURFACE WATER RISING MAIN
- PROPOSED SURFACE WATER CHAMBER
- PROPOSED HEADWALL
- EXISTING WATERCOURSE
- PROPOSED WATERCOURSE DIVERSION
- PROPOSED DETENTION BASIN
- PROPOSED 3M WIDE GRASSED MAINTENANCE AREA TO DETENTION BASIN
- EARTHWORKS CUT SECTION
- EARTHWORK FILL SECTION
- SITE BOUNDARY
- 100-YEAR RETURN PERIOD POND DEPTH
- EXISTING GROUND LEVEL
- PROPOSED DETENTION BASIN LEVEL

NOTES:

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DRAINAGE:

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TABLE A. DETENTION BASIN DETAILS

PROPOSED GROUND LEVEL (m)	PROPOSED BED LEVEL (m)	DEPTH (m)	TOTAL BASIN VOLUME (m³)	100-YEAR RETURN PERIOD POND DEPTH / FREEBOARD (m)	PROPOSED BASIN SIDE SLOPES
3.499	1.155	2.344	1,002.3	1.111 / 1.233	1 in 3

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