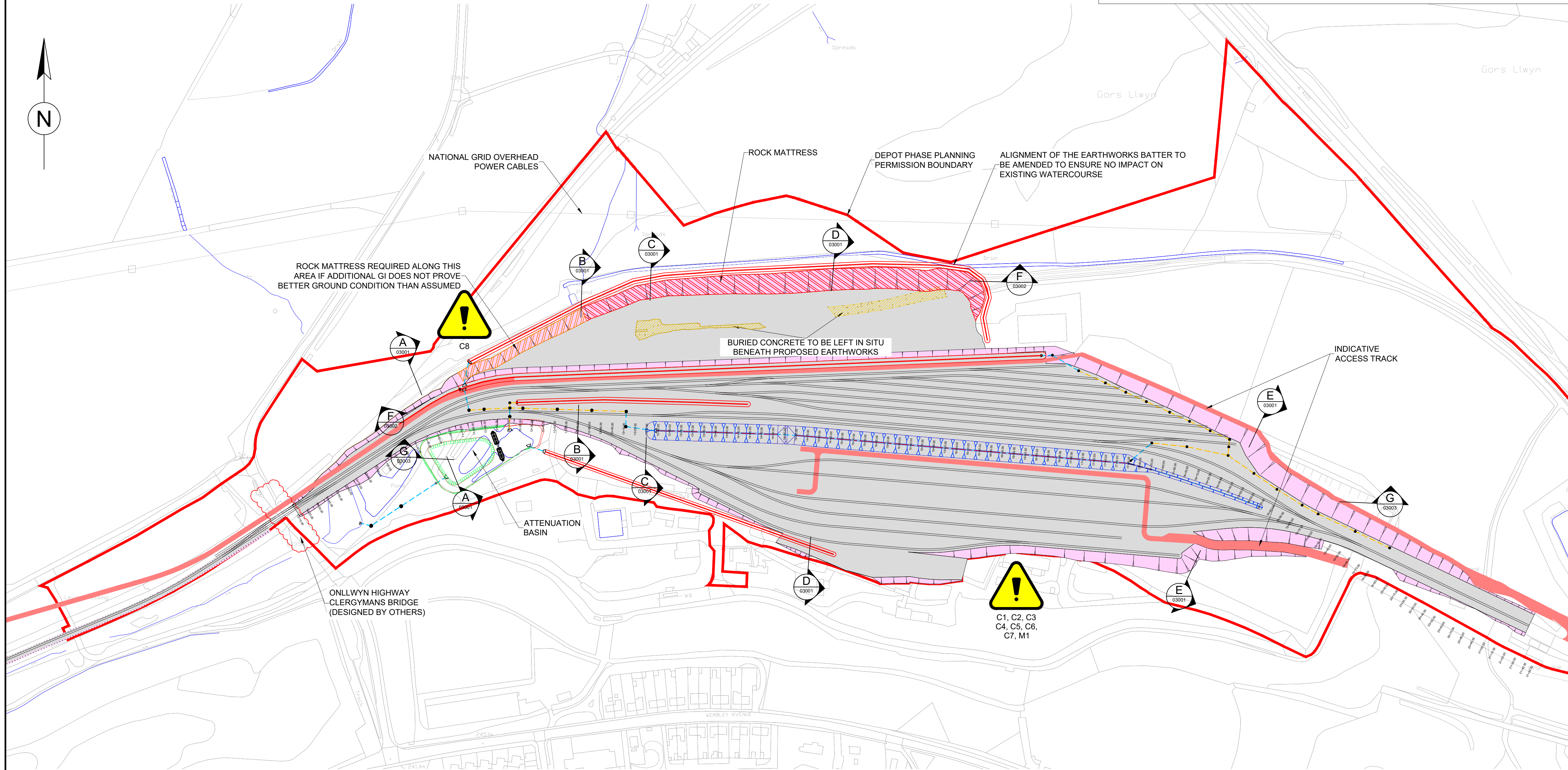
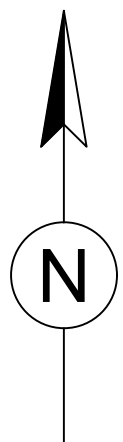


100
0 10
Millimetres



LEGEND

- PROPOSED EARTHWORK SLOPES
- PROPOSED RAIL PLATEAU
- BURIED CONCRETE SLAB LEFT IN PLACE
- ROCK MATTRESS
- ROCK MATTRESS (EXTENT REQUIRED TO BE CONFIRMED AFTER ADDITIONAL GI)
- INDICATIVE ACCESS TRACK
- DEPOT PHASE PLANNING PERMISSION BOUNDARY
- PROPOSED RAIL SYSTEMS (BY ARCADIS)
- ORDNANCE SURVEY MAPPING

DRAINAGE SYSTEM

- CARRIER PIPE
- FILTER PIPE
- DRAINAGE DITCH
- ATTENUATION BASIN
- DRAINAGE SWALE

DO NOT SCALE

NOTES

- DRAWING TO BE READ IN CONJUNCTION WITH RELEVANT EARTHWORKS AND DRAINAGE SERIES DRAWINGS LISTED ON THE DEPOT PHASE EARTHWORKS GENERAL NOTES REF GCRE001-AWJV-EW-XX-DR-CE-00001.
 - DO NOT SCALE FROM DRAWING.
 - DETAILED LONGITUDINAL AND CROSS SECTIONS PROVIDED. SEE DRAWINGS REFS: GCRE001-AWJV-EW-XX-DR-CE-03001 TO 03003.
 - A ROCK MATTRESS WILL BE BUILT TO PARTLY REPLACE / STRENGTHEN THE PEAT LAYER BENEATH THE SHOULDER OF THE NORTH EMBANKMENT. REFER TO STANDARD EARTHWORK DETAILS DRAWING REF: GCRE001-AWJV-EW-XX-DR-CE-05001.
- THE CONSTRUCTION PROCESS WILL INVOLVE EXCAVATING THE EXISTING MADE GROUND TO EXPOSE THE TOP OF THE PEAT LAYER BENEATH, FOLLOWED BY DEPOSITING A FILL OF ROCK (AVAILABLE ON SITE) AND TRACKING THE FILL INTO THE PEAT TO DISPLACE IT.
- A TRIAL ALONG THE PROPOSED NORTH EMBANKMENT SHOULDER FOOTPRINT IS RECOMMENDED AS EARLY AS POSSIBLE BEFORE CONSTRUCTION TO VERIFY THE CONSTRUCTABILITY AND EFFECTIVENESS OF THE ROCK MATTRESS SOLUTION PROPOSED.
- FOR QUALITY ASSURANCE AND QUALITY CONTROL PURPOSES:
- THE ROCK THAT IS TO BE DEPOSITED IN THE PEAT LAYER WILL PREDOMINANTLY BE SANDSTONE AT A RECOMMENDED PARTICLE SIZE OF 100-500 mm.
 - MADE GROUND EXCAVATED TO EXPOSE THE TOP OF THE PEAT, IF DRY, CAN BE REINSTATED OVER THE ROCK MATTRESS AND COMPACTED AS PER THE SPECIFICATION REQUIREMENT. IF FLOODED, THE ROCK FILL SHOULD BE USED INSTEAD TO BUILD BACK UP THE LEVEL. WET MADE GROUND SHOULD BE STOCKPILED TO DRY OUT AND BE REUSED AS SITE WON FILL TO BUILD THE EMBANKMENT ABOVE.
 - THE EFFECTIVENESS OF THE ROCK MATTRESS TREATMENT NEEDS TO BE VERIFIED AT EVERY 25 m CENTRE VIA TRIAL PITTING ALONG THE SPAN OF THE NORTHERN EMBANKMENT TO CONFIRM EFFECTIVE REPLACEMENT OF THE PEAT AT A MINIMUM OF 75% ROCK INFILL FOR THE FIRST 1.25 m BELOW THE MADE GROUND.
- IDENTIFIED EXTENTS OF EXISTING BURIED CONCRETE SLAB IS BASED ON A SURVEY UNDERTAKEN BY WALTERS IN APRIL 2024.
 - TRACK DESIGN, INCLUDING TRACK DRAINAGE, IS CURRENTLY BEING DESIGNED BY OTHERS (ARCADIS) AND HAS NOT BEEN SHOWN HERE.

SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION

In addition to the hazards / risks normally associated with the type of work detailed on this drawing, note the following with reference to GCRE001-AWJV-EW-XX-RP-GE-00011:

CONSTRUCTION

- C1. Encountering unrecorded mine workings / adits.
- C2. Potential for coal exposure and ignition.
- C3. Presence of soft ground at shallow depths.
- C4. Encountering historical buried structures.
- C5. Potential for mine gas exposure.
- C6. Potential exposure to contaminated ground (such as asbestos).
- C7. Potential exposure to contaminated water.
- C8. Artesian groundwater.

MAINTENANCE/CLEANING

- M1. Post construction differential settlement.

DECOMMISSIONING/DEMOLITION

N/A

It is assumed that all works will be carried out by a competent contractor working, where appropriate, to an approved method statement

Rev.	Date	Description	By	Chk'd	App'd
P04	03/05/24	FOR COMMENT	JH	DC	PN
P03	02/06/23	FOR COMMENT	ST	JT	RH
P02	28-04-23	FOR COMMENT	ST	JT	RH
P01	17-02-23	PRELIMINARY	RH	JT	RH

Drawing Status	Suitable for review and comment	Suitability	S3
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WALTERS AtkinsRéalis

Client
GCRE
Global Centre of Rail Excellence
Canolfan Fyd-Eang Rhagoriaeth Rheilffyrdd

Project Title
GLOBAL CENTRE OF RAIL EXCELLENCE

Drawing Title
DEPOT PHASE
EARTHWORKS
GENERAL ARRANGEMENT

Scale	1:2000	Drawn	JH	Checked	DC	Approved	PN	Authorised	SH
Original Size	A1	Date	03/05/2024	Date	03/05/2024	Date	03/05/2024	Date	03/05/2024
Drawing Number	GCRE001-AWJV-EW-XX-DR-CE-00003	P04							

50m 0m 50m 100m
Scale 1:2000