

Norwich Western Link

Drainage Strategy Report

Appendix 14 :

Ground Investigation Reports

Part 2 of 8

Author: Ramboll

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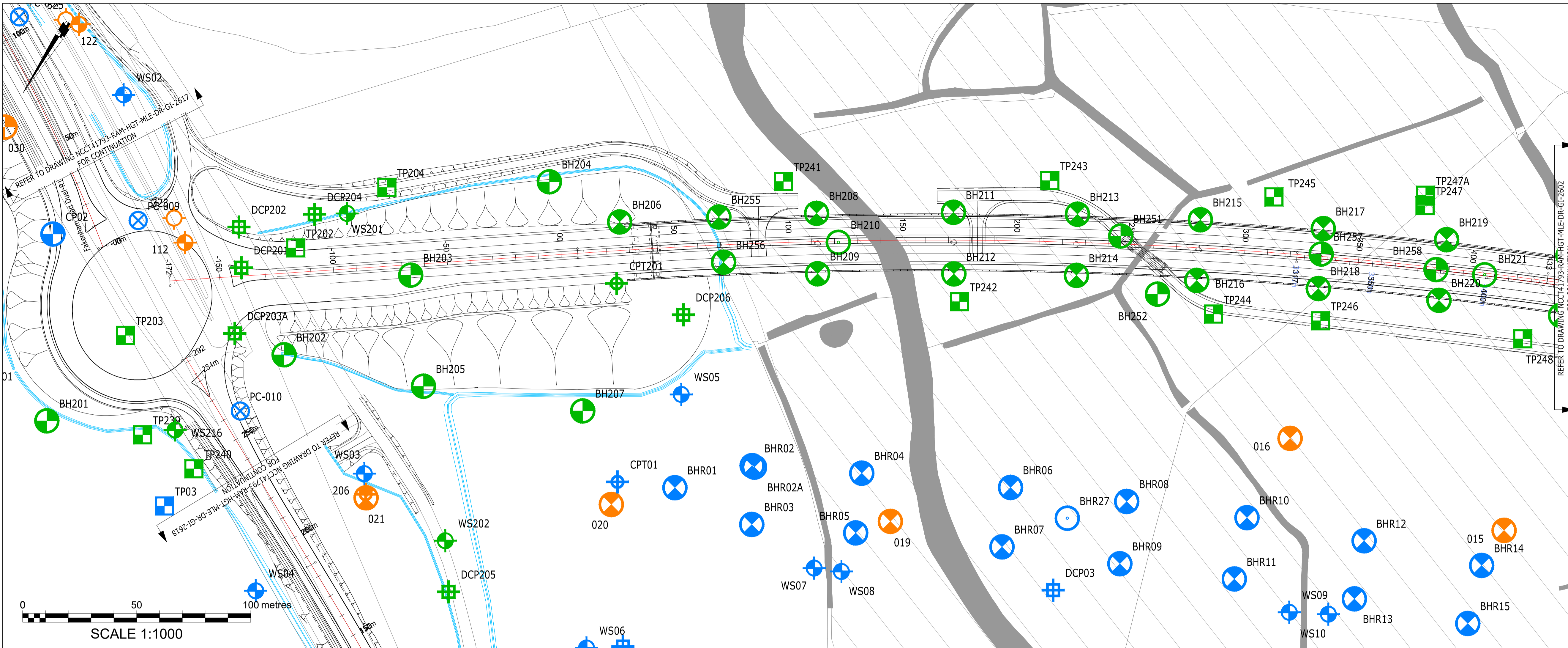
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1 Introduction

- 1.1.1 This document contains geotechnical long section drawings that are part of the Ramboll Ground Investigation report. The geotechnical long sections show the different soil types with depth across the scheme and are intended to provide evidence of the existing ground conditions that are stated within the Drainage Strategy Report.
- 1.1.2 We have included a summary of key information shown in this document in an accessible format. However, some users may not be able to access all technical details. If you require this document in a more accessible format please contact: norwichwesternlink@norfolk.gov.uk

APPENDIX 1
GEOLOGICAL LONG SECTIONS



- Notes:**
- DO NOT SCALE FROM THIS DRAWING.
 - ALL DIMENSIONS ARE IN METRES UNLESS OTHERWISE STATED.
 - THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTS AND ENGINEERS DRAWINGS AND SPECIFICATIONS.
 - THE DESIGN IS BASED ON THE LOCAL GRID.
 - ZONES OF NO RECOVERY AND AREAS OF CORE LOSS WERE RECORDED WITHIN THE CHALK STRATUM. THESE HAVE BEEN IDENTIFIED AS DRILLING/IN-SITU TESTS INDUCED OR DUE TO PRESENCE OF FLINT COBBLES AND BOULDERS. THE FACTUAL REPORT AND GROUND INVESTIGATION REPORT SHOULD BE REFERRED TO FOR FURTHER DETAILS.

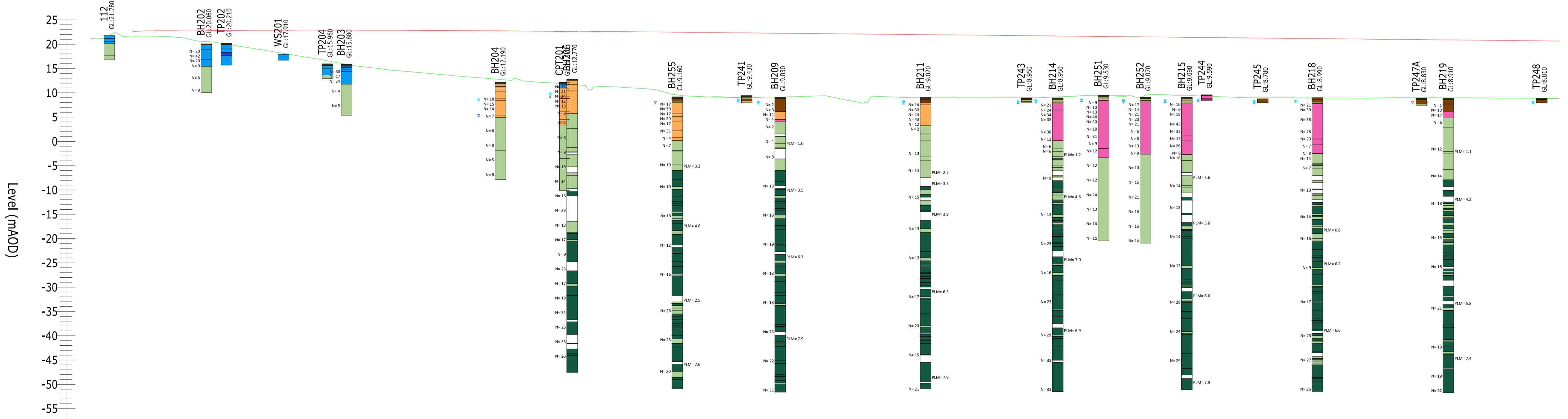
- GEOLOGY LEGEND**
- Topsoil
 - Flexible Pavement
 - Made Ground (Granular)
 - Made Ground (Cohesive)
 - Concrete
 - Peat
 - Alluvium (Granular)
 - Alluvium (Cohesive)
 - Glacial Deposits (Granular)
 - Glacial Deposits (Cohesive)
 - No Recovery
 - Head Deposits (Granular)
 - Head Deposits (Cohesive)
 - River Terrace Deposits
 - Lowestoft Formation (Granular)
 - Lowestoft Formation (Till)
 - Sheringham Cliffs Formation (Cohesive)
 - Sheringham Cliffs Formation (Granular)
 - Structureless Chalk
 - Structured Chalk

- EXPLORATORY HOLE LEGEND**
- Water Strike
 - Water level recorded following strike
 - Menard Limit Pressure (MPa)
 - Water level recorded following strike

- GROUND INVESTIGATION PHASES**
- 2022 ALIGNMENT REFINEMENT GROUND INVESTIGATION
 - 2021 SUPPLEMENTARY STAGE 1 GROUND INVESTIGATION
 - 2019/20 PRELIMINARY GROUND INVESTIGATION

- PLAN LEGEND**
- SITE EXTENTS BOUNDARY
 - CABLE PERCUSSION BOREHOLE
 - ROTARY OPEN HOLE BOREHOLE
 - CABLE PERCUSSION WITH ROTARY FOLLOW ON BOREHOLE
 - WINDLESS SAMPLE
 - DYNAMIC PROBE
 - TRIAL PIT/TRENCH
 - CPT LOCATION
 - DYNAMIC CONE PENETROMETER
 - PAVEMENT CORE

NWL-MAINLINE-(SHEET 1)
SCALE: H 1:1000,V 1:500. DATUM: -55.000



Chainage	0+177	180	190	200	210	220	230	240	250	260	270	280	290	300	310	320	330	340	350	360	370	380	390	400	410	420	430		
Existing Levels	21.137	21.992	21.686	21.596	20.907	20.453	20.390	20.453	20.390	20.453	20.390	20.453	20.390	20.453	20.390	20.453	20.390	20.453	20.390	20.453	20.390	20.453	20.390	20.453	20.390	20.453	20.390	20.453	20.390
Proposed Levels		22.728	22.883	22.884	22.885	22.886	22.887	22.887	22.887	22.887	22.887	22.887	22.887	22.887	22.887	22.887	22.887	22.887	22.887	22.887	22.887	22.887	22.887	22.887	22.887	22.887	22.887	22.887	22.887
Level Difference		1.042	1.297	1.987	2.475	3.312	4.130	4.964	5.806	6.701	7.497	8.099	8.526	8.958	9.387	9.757	10.123	10.404	10.675	11.095	11.332	11.495	11.495	11.495	11.495	11.495	11.495	11.495	11.495

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First Issue

P01	DH	JS	AR	02/02/23
REVISION	DRAWN	CHECKED	APPROVED	DATE

CLIENT

Norfolk County Council
Tom McCabe
Executive Director of
Community and Environmental Services
Norfolk County Council
County Hall, Martineau Lane
Norwich NR1 2SG

PROJECT

Norwich Western Link
ferrovial construction
RAMBOLL

DRAWING TITLE
NORWICH WESTERN LINK
GEOLOGICAL LONG SECTION
SHEET 1
MAINLINE

DRAWING STATUS
S5 SUITABLE FOR REVIEW AND ACCEPTANCE

DRAWN	CHECKED	APPROVED	AUTHORISED
DH	JS	AR	

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