

Norwich Western Link

Drainage Strategy Report

Appendix 14 :

Ground Investigation Reports

Part 7 of 8

Author: Ramboll

Document Reference: 4.04.14

Version Number: 00

Date: March 2024

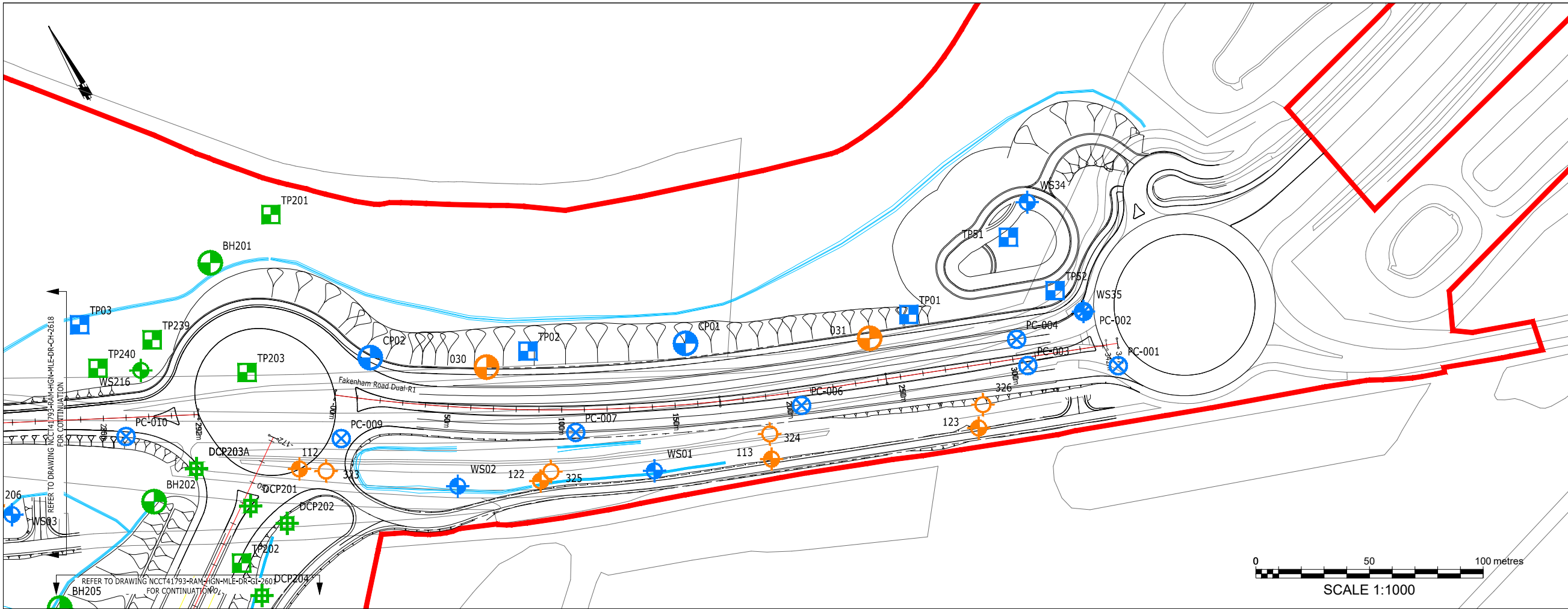


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1 Introduction

- 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



- 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 HE 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 Strike
 - Water level recorded following strike
 - Menard Limit Pressure (MPa)

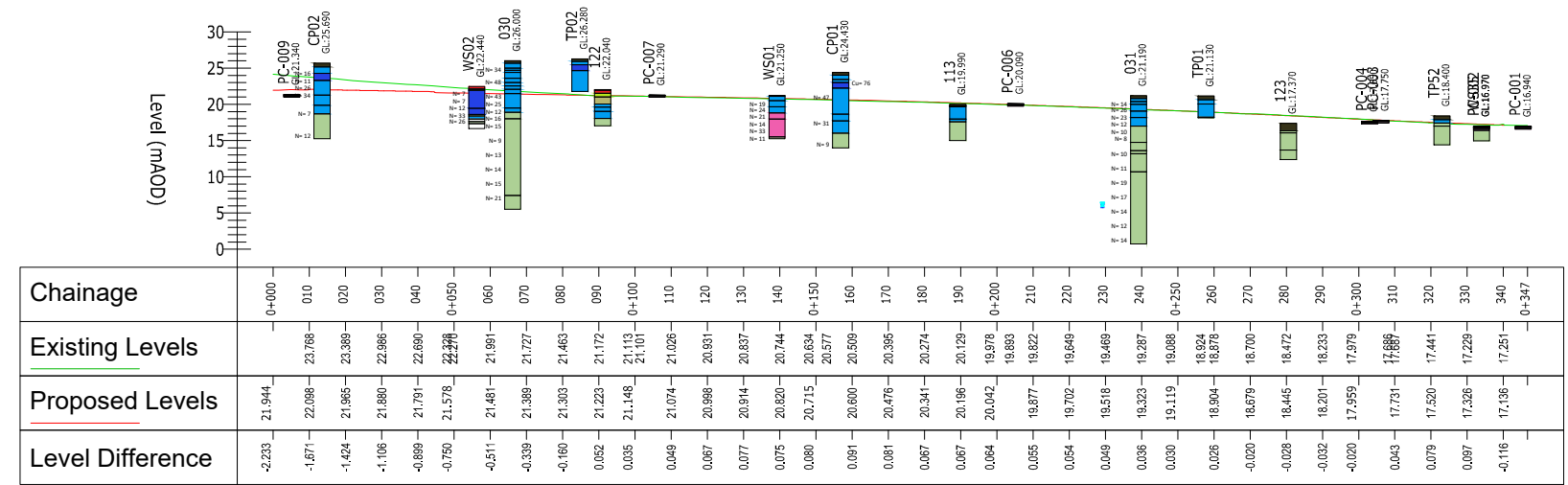
- GROUND INVESTIGATION PHASES**
- 2022 ALIGNMENT REFINEMENT GROUND INVESTIGATION
 - 2021 SUPPLEMENTARY STAGE 1 GROUND INVESTIGATION
 - 2019/20 PRELIMINARY GROUND INVESTIGATION

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



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FAKENHAM-DUAL LANE
SCALE: H 1:1000, V 1:500. DATUM: 0.000



First Issue					
P01	AR	AR	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



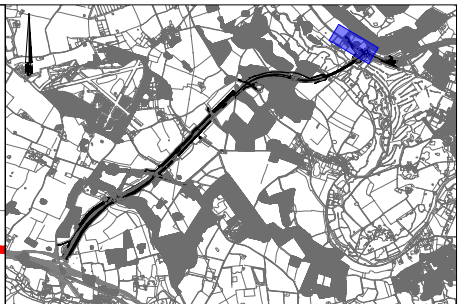
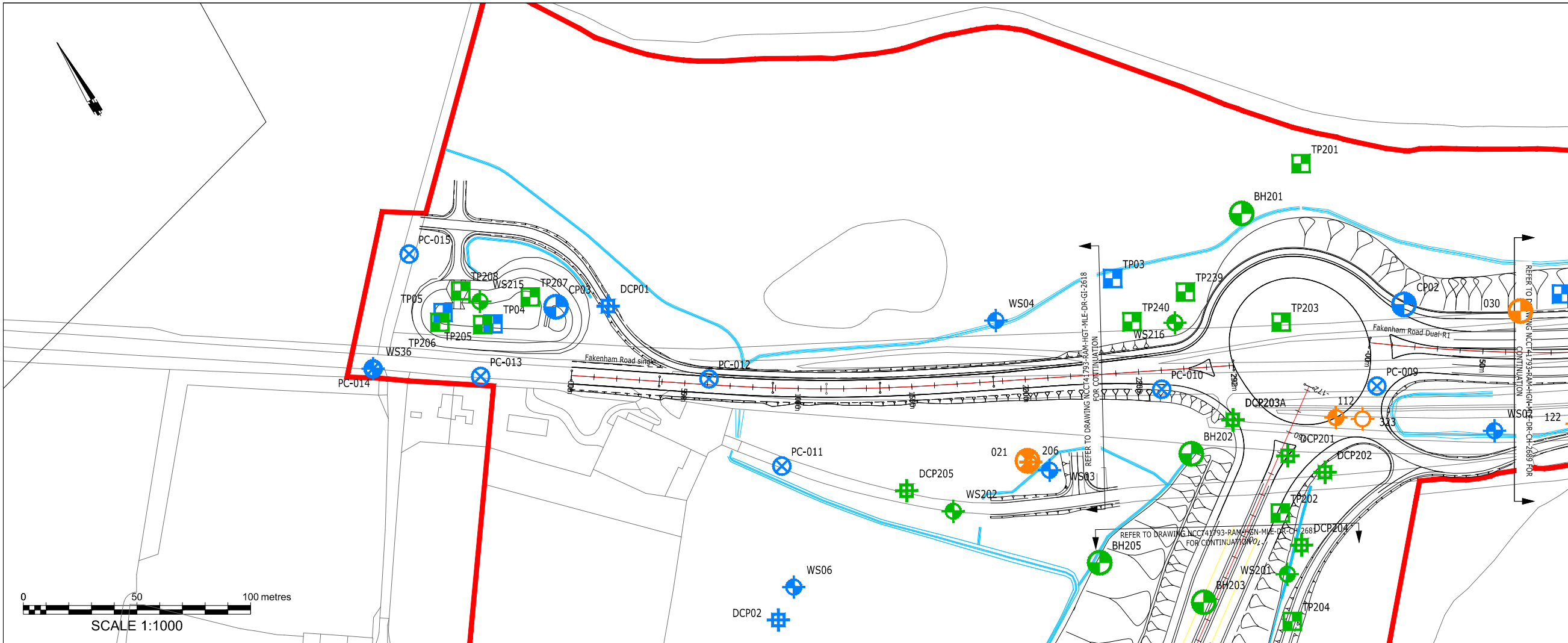
DRAWING TITLE
 NORWICH WESTERN LINK
 GEOLOGICAL LONG SECTION
 SHEET 17
 A1067

DRAWING STATUS
 S5 SUITABLE FOR REVIEW AND ACCEPTANCE

DRAWN	CHECKED	APPROVED	AUTHORISED
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SCALE @ A1 SIZE	DATE	REVISION
1:1000	02/02/23	P01

DRAWING NUMBER
 NCCT41793-RAM-HGT-MLE-DR-GI-2617



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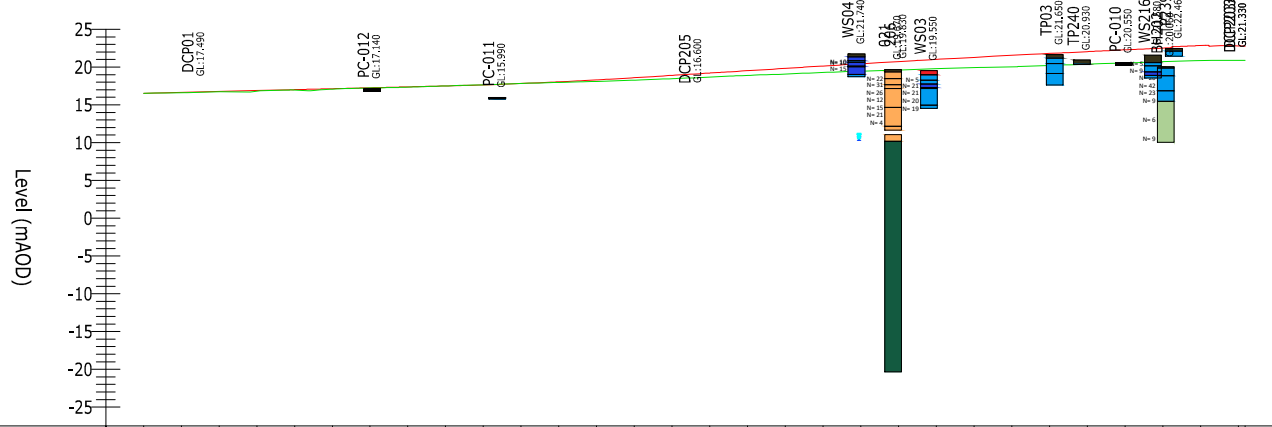
- EXPLORATORY HOLE LEGEND**
- Water
 - Chalk ID
 - Ground Level
 - Uncorrected SPT 'N' Value
 - Undrained Shear Strength Value (kPa)
 - Water Strike
 - Water level recorded following strike
 - Menard Limit Pressure (MPa)

- GROUND INVESTIGATION PHASES**
- 2022 ALIGNMENT REFINEMENT GROUND INVESTIGATION
 - 2021 SUPPLEMENTARY STAGE 1 GROUND INVESTIGATION
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Chainage	0+000	010	020	030	040	0+050	060	070	080	090	0+100	110	120	130	140	0+150	160	170	180	190	0+200	210	220	230	240	0+250	260	270	280	0+290
Existing Levels		16.611	16.741	16.815	16.952	17.089	17.237	17.353	17.513	17.670	17.830	17.965	18.114	18.272	18.463	18.678	18.908	19.084	19.289	19.457	19.623	19.777	19.918	20.047	20.205	20.389	20.582	20.713	20.858	20.884
Proposed Levels	16.530	16.652	16.774	16.895	17.017	17.139	17.261	17.382	17.504	17.648	17.830	18.049	18.304	18.597	18.905	19.214	19.522	19.830	20.138	20.441	20.734	21.017	21.290	21.553	21.805	22.046	22.283	22.507	22.850	23.075
Level Difference	-0.005	0.041	0.032	0.080	0.085	0.041	0.023	0.030	-0.008	-0.021	0.000	0.084	0.190	0.325	0.442	0.535	0.615	0.746	0.849	0.984	1.112	1.240	1.371	1.505	1.600	1.649	1.722	1.794	1.982	1.963

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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

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