

Sure Partners Limited

ARKLOW BANK WIND PARK
PHASE 2

**ONSHORE GRID
INFRASTRUCTURE**

VOLUME III

Chapter 9 APPENDICES

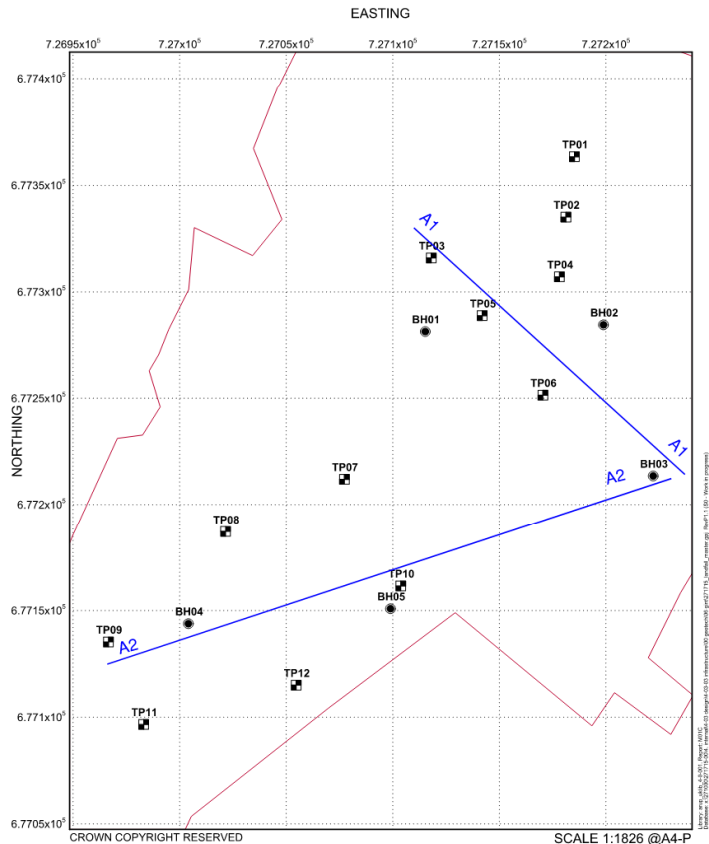
Appendix 9.4 Conceptual Site Model

ARUP

 **sse**
Renewables

Appendix 9.4

Conceptual Site Model



● Rotary core
 □ Trial pit

ARUP
 271715-00
 2020-11-18 10:30:00
 C:\Users\Public\Documents\BENTLEY\GINT\APP\GAW4800.GDW

GROWN COPYRIGHT RESERVED SCALE 1:1826 @A4-P

**ARKLOW BANK WIND PARK
 PHASE 2 - LANDFALL
 EXPLORATORY HOLE LOCATIONS**

271715

P1	18/11/20		GB	GB
Issue	Date	By	Chkd	Appd

ARUP

Client

Sure Partners Limited

Job Title

**Arklow Bank Wind Park Phase 2
 Onshore Grid Infrastructure**

**Conceptual Site Model -
 Landfall**

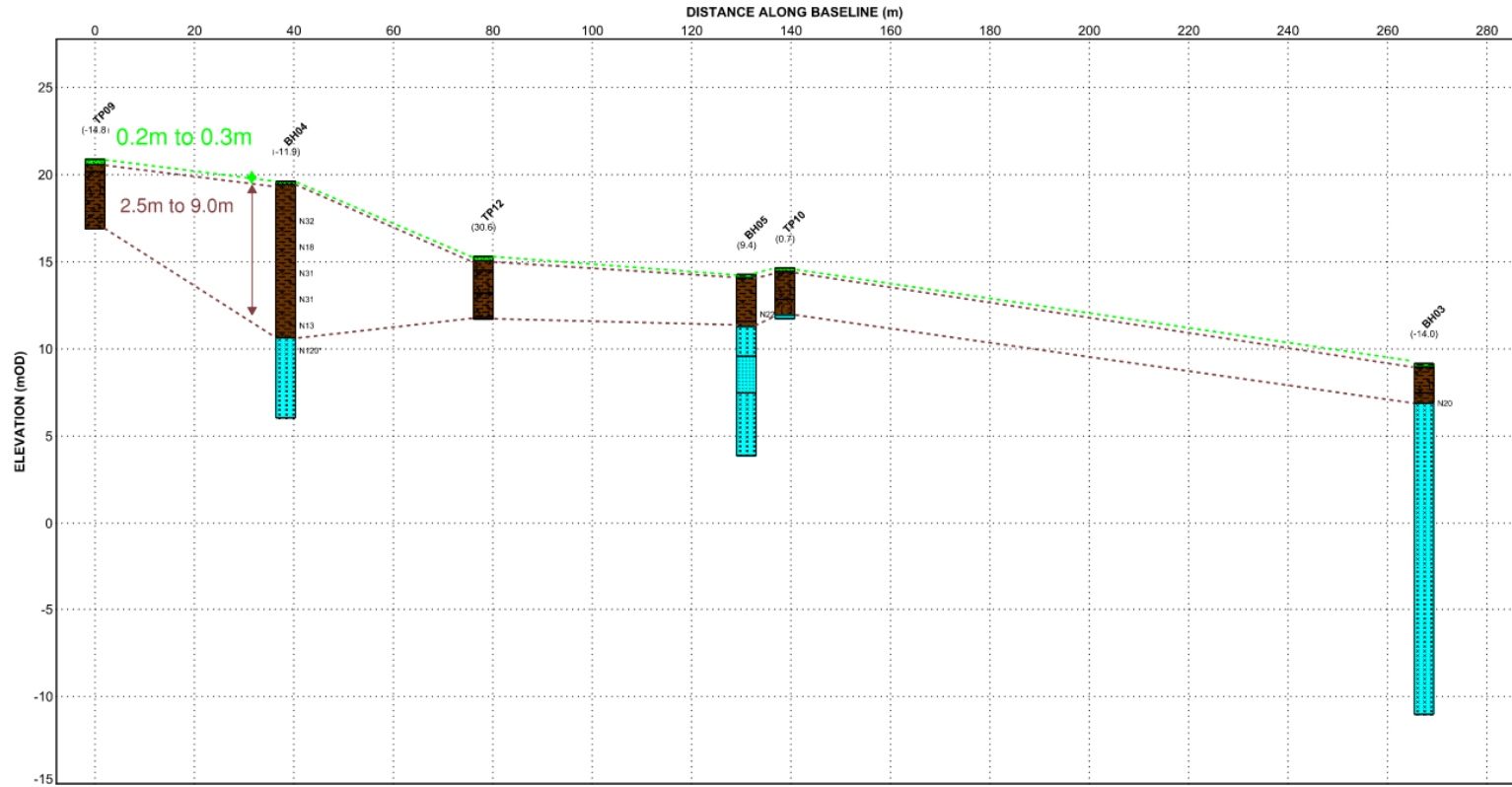
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NTS

Job No	Drawing Status
271715-00	Issue

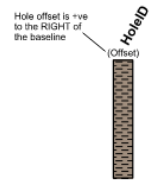
Drawing No	Issue
Appendix A9.4	101

Ground Conditions – Landfall HDD Option 1

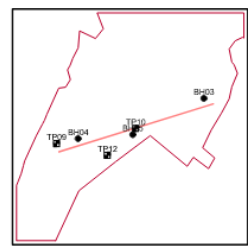


SCALE 1:222V 1:778H @ A3-L

LEGEND



PLAN



COLOUR LEGEND

- Topsoil [TOP]
- Irish Sea Till [ST]
- Bedrock [RCK]

MATERIALS

- CLAY
- Sandy gravelly cobbly CLAY
- Sandy gravelly CLAY
- SILTSTONE
- Fill (MADE GROUND)
- Silty SAND
- SANDSTONE
- TOPSOIL
- Sandy gravelly SILT
- Silty sandy gravelly cobbly CLAY
- Silty gravelly cobbly bouldery SAND
- Sandy gravelly cobbly SILT

**ARKLOW BANK WIND PARK
PHASE 2 - LANDFALL
GEOLOGICAL CROSS SECTION**

271715

FIGURE A2-A2

P1	04/01/21		GB	GB
Issue	Date	By	Chkd	Appd

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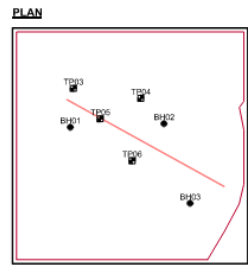
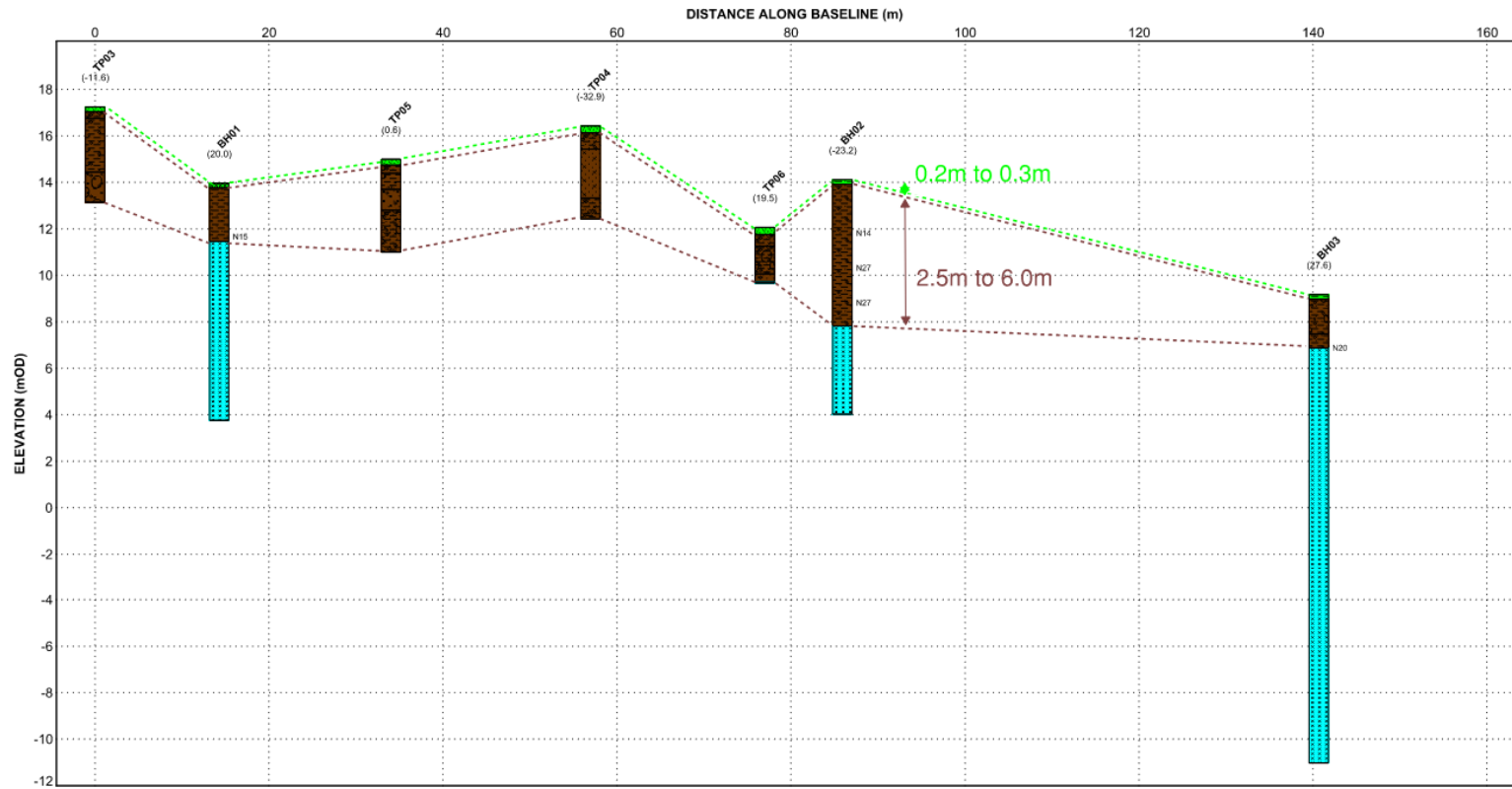
Job Title
**Arklow Bank Wind Park Phase 2
Onshore Grid Infrastructure**

**Detailed Conceptual Site
Landfall – HDD Option 1**

Scale at A3

NTS	
Job No 271715-00	Drawing Status Issue

Ground Conditions – Landfall HDD Option 2



- COLOUR LEGEND**
- Topsoil [TOP]
 - Irish Sea Tills [ST]
 - Bedrock [RCK]

- MATERIALS**
- Fill (MADE GROUND)
 - Sandy CLAY
 - SILTSTONE
 - Sandy gravelly CLAY
 - CLAY
 - Sandy gravelly cobbly CLAY
 - TOPSOIL
 - Silty sandy gravelly cobbly CLAY
 - Silty gravelly CLAY
 - Gravelly bouldery SILT
 - Silty SAND
 - Silty sandy gravelly peaty CLAY
 - Silty sandy gravelly CLAY
 - Silty peaty CLAY
 - Sandy gravelly SILT
 - Silty sandy gravelly cobbly bouldery CLAY
 - Silty gravelly SAND

ARKLOW BANK WIND PARK PHASE 2 - LANDFALL GEOLOGICAL CROSS SECTION

271715 **FIGURE A1-A1**

P1	04/01/21		GB	GB
Issue	Date	By	Chkd	Appd

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Job Title
Arklow Bank Wind Park Phase 2 Onshore Grid Infrastructure

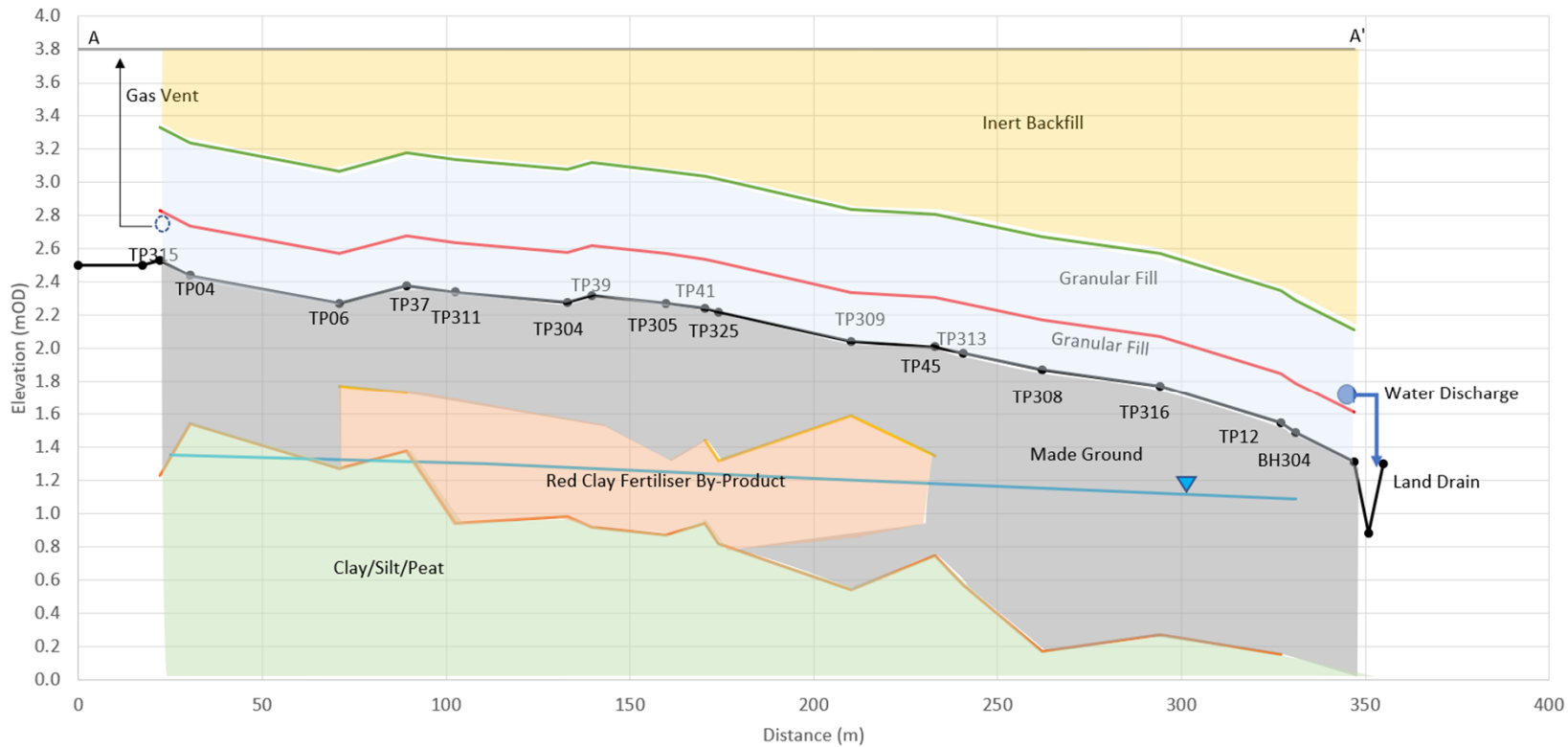
Detailed Conceptual Site Landfall – HDD Option 2

Scale at A3
NTS

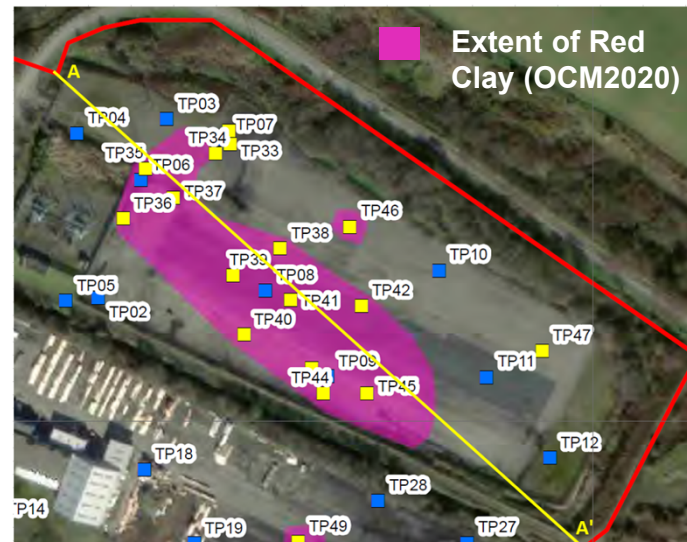
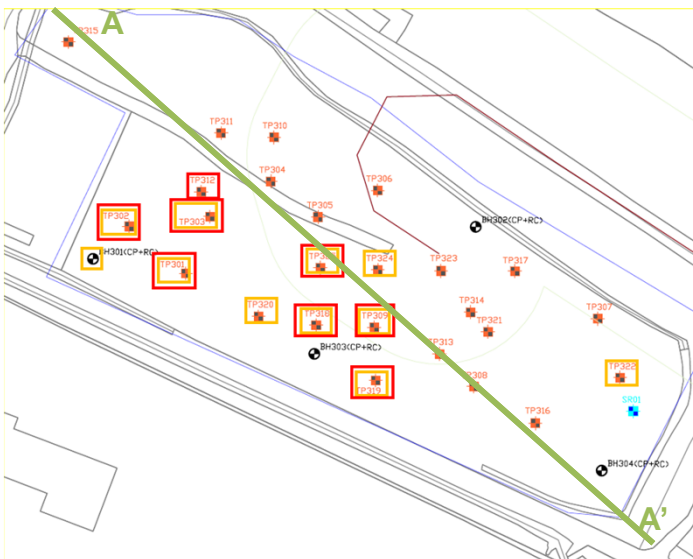
Job No 271715-00	Drawing Status Issue
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Drawing No
Appendix A9.4

Issue
101



● Current Ground Level
 — Base of Made Ground
 — Platform Level
 — GCL
 — Top of Granular Fill
 ▼ Gravel BH Water Level 25/11/2020
 — Red Clay Fertiliser By-product



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**Arklow Bank Wind Park Phase 2
Onshore Grid Infrastructure**

**Detailed Conceptual Site
Model**

Scale at A3

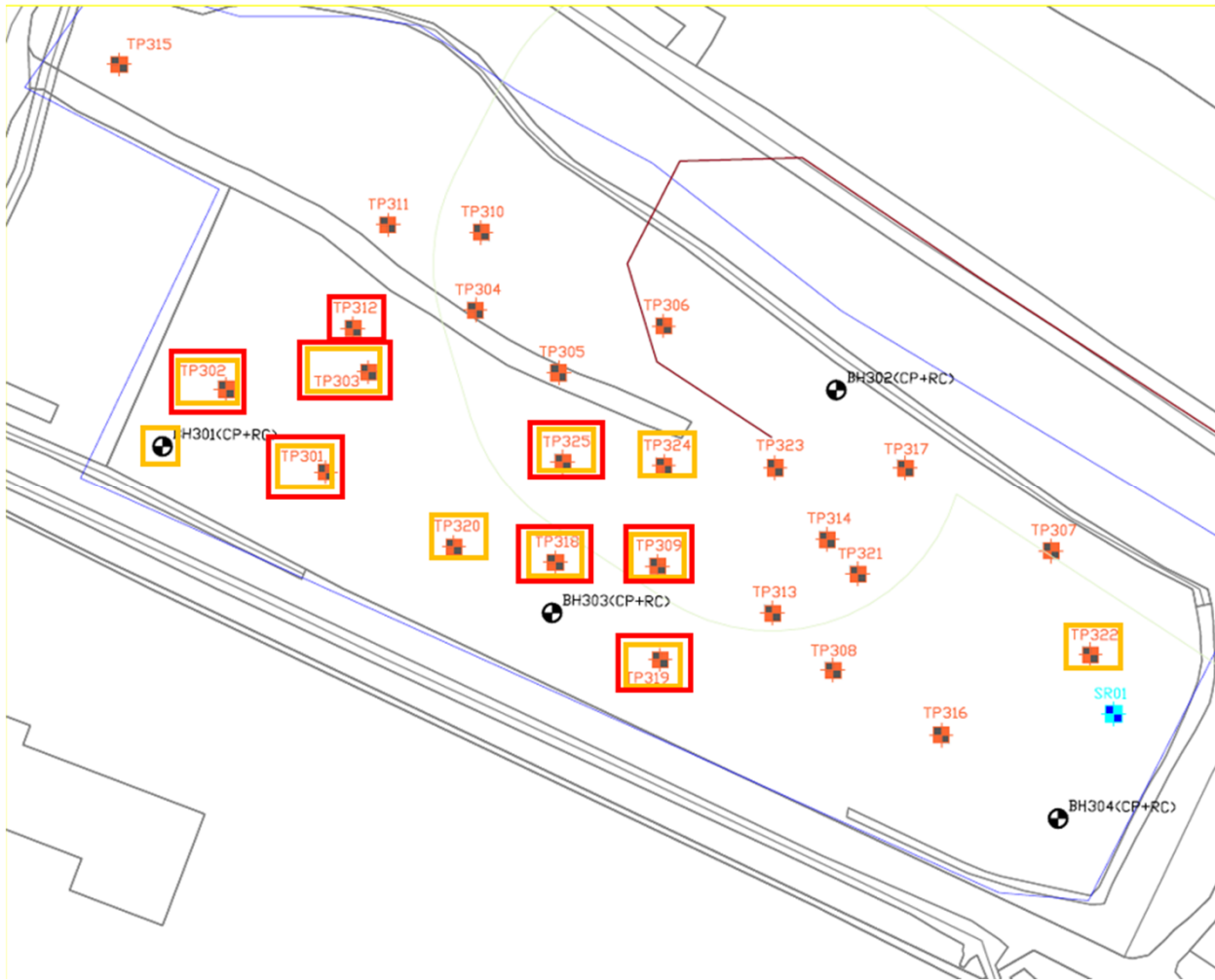
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Job No
271715-00



Drawing Status
For Issue

Drawing No
Appendix A9.4

Issue
I01



LEGEND

- TRIAL PIT 
- BOREHOLE (CP+RC) 
- CP- CABLE PERCUSSIVE
- RC- ROTARY CORE
- SOIL RESISTIVITY 
- Includes Hazardous Material 
- Includes Red Clay 

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Job Title
**Arklow Bank Wind Park Phase 2
Onshore Grid Infrastructure**

IDL 2020 GI Locations

Scale at A3

NTS

Job No	Drawing Status
271715-00	For Issue

Drawing No	Issue
Appendix A9.4	101