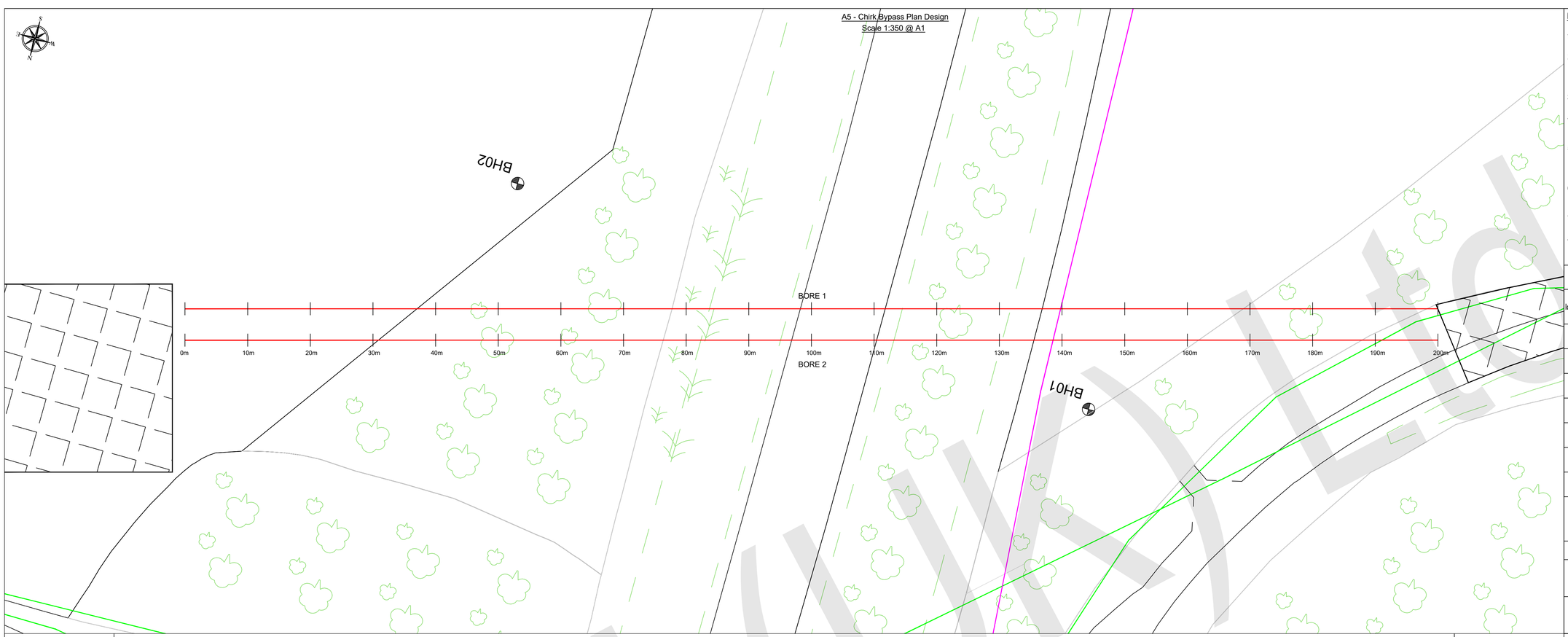
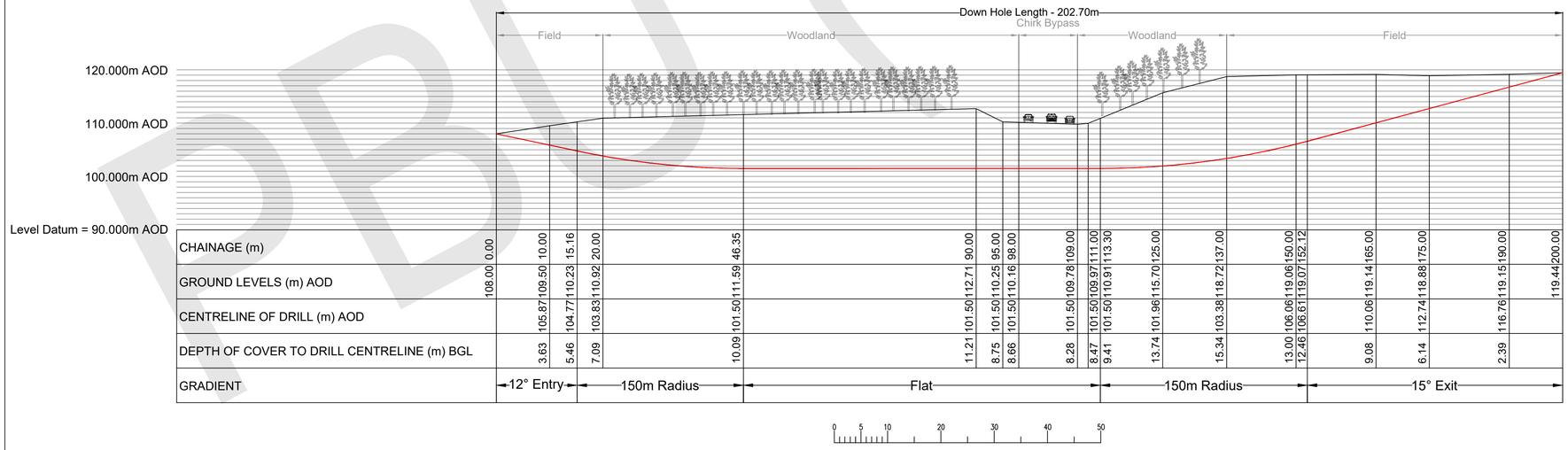
A5 - Chirk Bypass Plan Design
Scale 1:350 @ A1



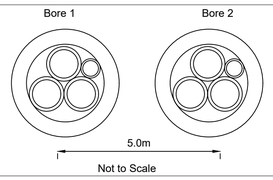
A5 - Chirk Bypass Bore Profile Design
Scale 1:500 @ A1



Bore 1
3x225mm OD SDR11 Cable Ducts +
1x125mm OD SDR-11 Duct

Bore 2
3x225mm OD SDR11 Cable Ducts +
1x125mm OD SDR-11 Duct

Bundle Diameter - 505mm
Bore Diameter - 700mm



Not to Scale

Notes:

1. All dimensions are in metres unless otherwise specified.
2. HDD Bore Profile design is a guideline for installation. Ground conditions and various site factors may result in some variation of installation to design.
3. All coordinates provided are in OSGB36 (15) unless otherwise specified.
4. Ground elevations are based on topographic survey data undertaken by Kronospan - File - 204028 High Voltage Route (South) 2d rev2.dwg.
5. Full utility site mark up and trial holes where required must be completed prior to works commencing to ensure design clash detection can be carried out.
6. Highways drainage and utility information not available at the time of drafting. This is required prior to design being 'for construction'.
7. Full approval with NMWTRA required prior to construction.
8. Complete boreholes not provided at the time of drafting - preliminary boreholes used. Complete borehole information required.

Residual Hazards

The below is a lost of hazards associated with the proposed HDD location. The below should be read in conjuction with the Site Specific Risk Assessment.

1	Settlement/Heave of carriageway
2	Interface with public
3	Lifting operations
4	Fluid Break out
5	Utility strikes
6	Working in the vicinity of live traffic
7	Proximity to wildlife

HDD Coordinates OSGB36 (15)

		X	Y
Bore 1	Entry	330054.069	338175.119
	Exit	329861.611	338120.714
Bore 2	Entry	330052.709	338179.931
	Exit	329860.251	338125.526

UNKNOWN
GAS - HP
GAS - MP
GAS - LP
COMMS
EHV
HV
LV
SEWER
WATER

Overburden
Top Soil / Made Ground
Peat
Sand
Silt
Clay
Gravel
Boulders & Cobbles
Note: Composite soil types will be identified by combined symbols. e.g.
Silty Sand

Rocks
Sedimentary
Sandstone
Siltstone
Mudstone/ Claystone
Breccia
Conglomerate
Chalk
Limestone
Coal
Gypsum, Rocksalt etc.

Rocks
Metamorphic
Coarse-grained
Medium-grained
Fine-grained

Igneous
Coarse-grained
Medium-grained
Fine-grained

NOTE: THE INFORMATION SHOWN ON THIS PLAN IS GIVEN WITHOUT OBLIGATION OR GUARANTEE. NO LIABILITY OF ANY KIND WHATSOEVER IS ACCEPTED BY PBU (UK) LTD. THIS PLAN IS NOT A SUBSTITUTE FOR EQUIPMENT / SERVICE RECORDS PROVIDED BY UTILITY COMPANIES UNDER THE PROVISIONS OF THE NRSWA (1991). THE ACTUAL POSITION OF MAINS AND SERVICES **MUST** BE VERIFIED AND ESTABLISHED ON SITE BEFORE ANY DRILLING CAN COMMENCE.

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Kronospan Plant
132kV Grid Connection
Installation of 2 Bores
A5
Draft Bore Profile

Drawing Number	Revision	Plan Scale	Profile Scale
C3156-PBU-PRO-01	0	1:500@A1	1:500@A1

Revision	Details	Status	Drawn By	Date	Checked	Approved
0	Draft design issued for comment	FC	DR	20.08.25	MG	KM

PBU (UK) Ltd