

ISO A1 594mm x 841mm

Project Management Initials: Designer: AD Checked: DB Approved: RG

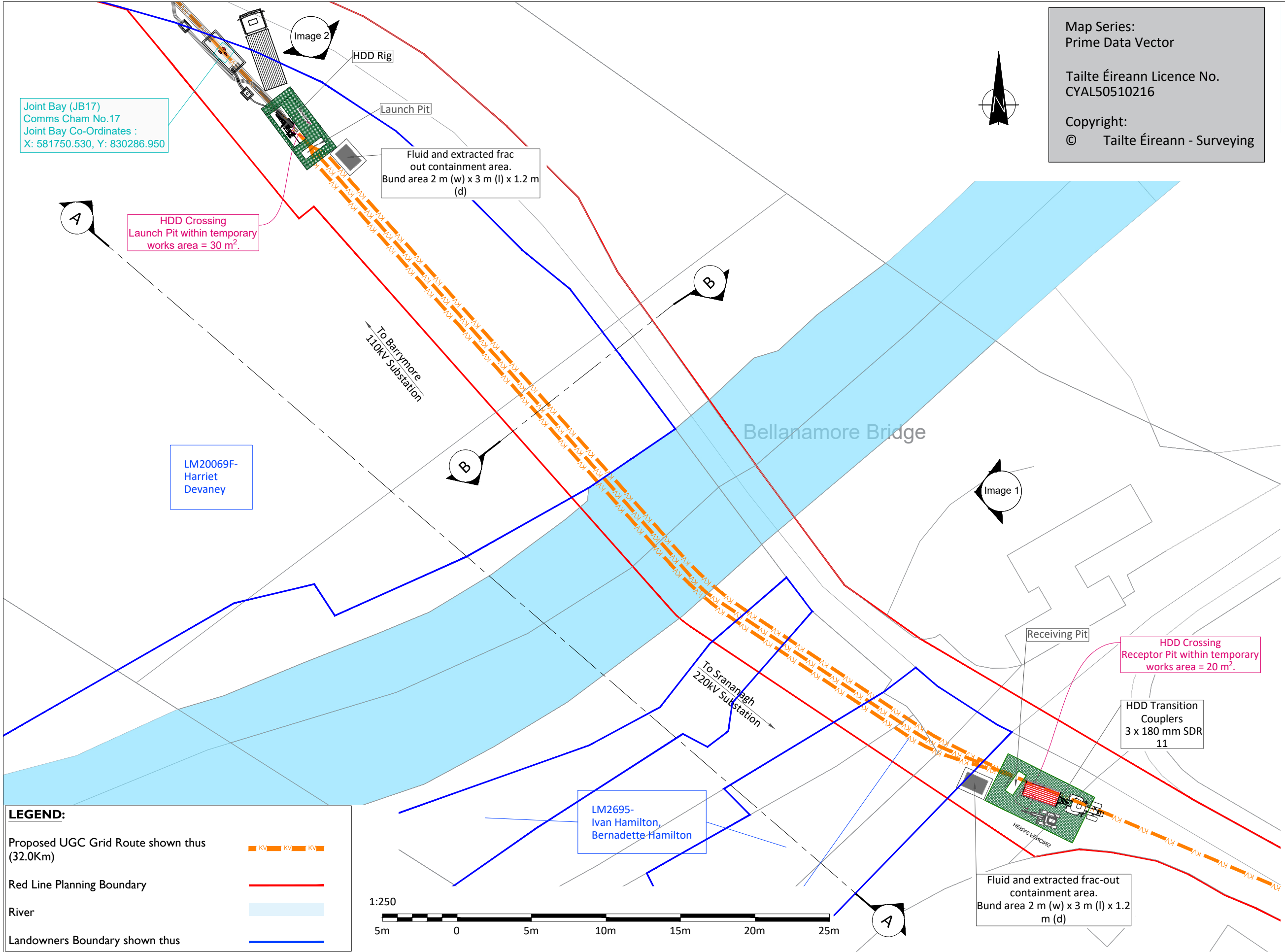
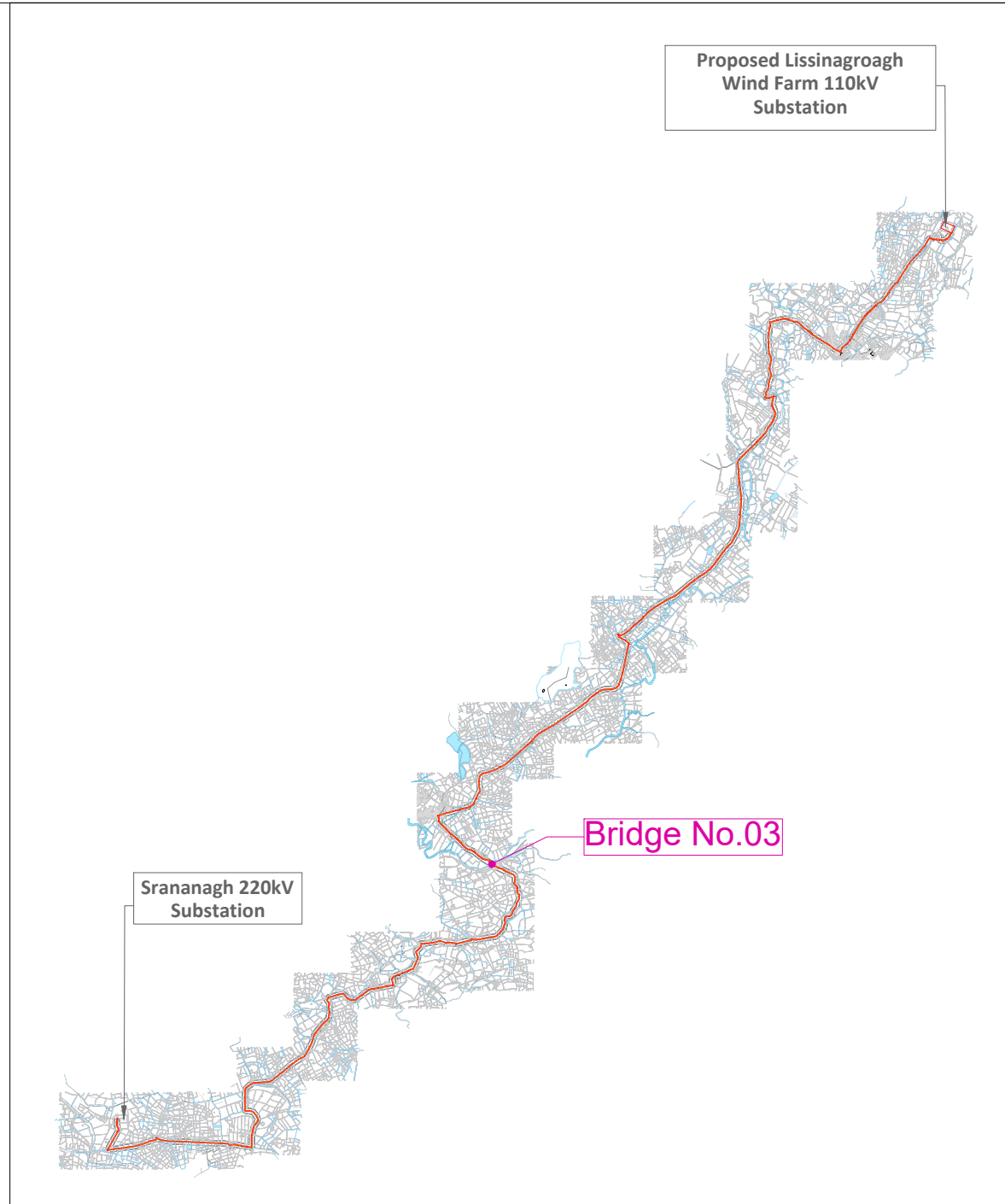


Image - 1



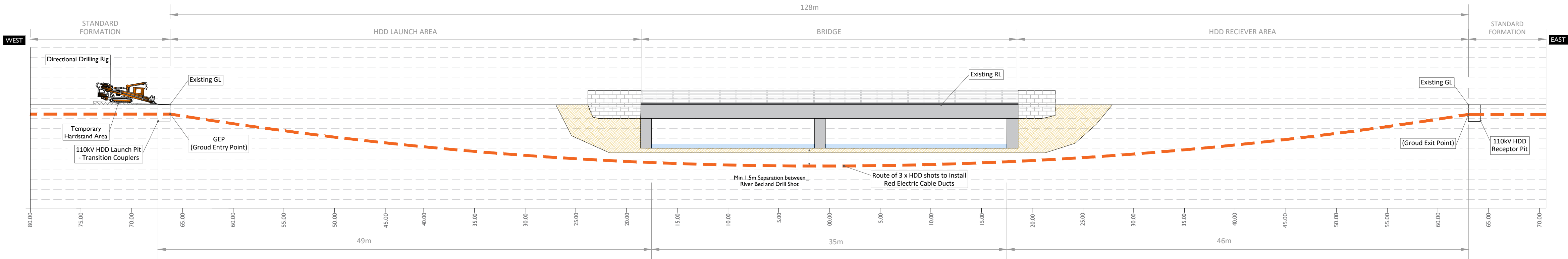
Image - 2



Key Plan

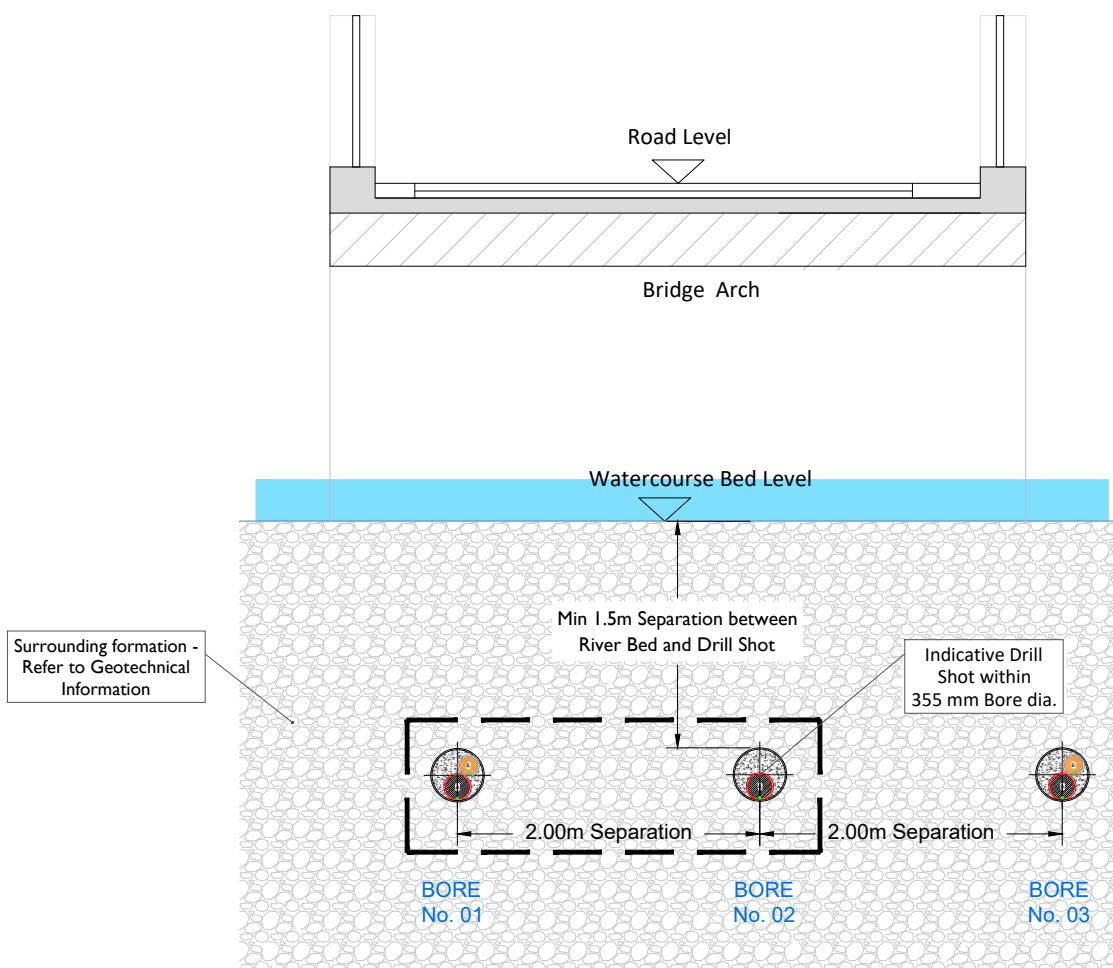
### Bridge 03- Layout Plan

Scale : 1:250



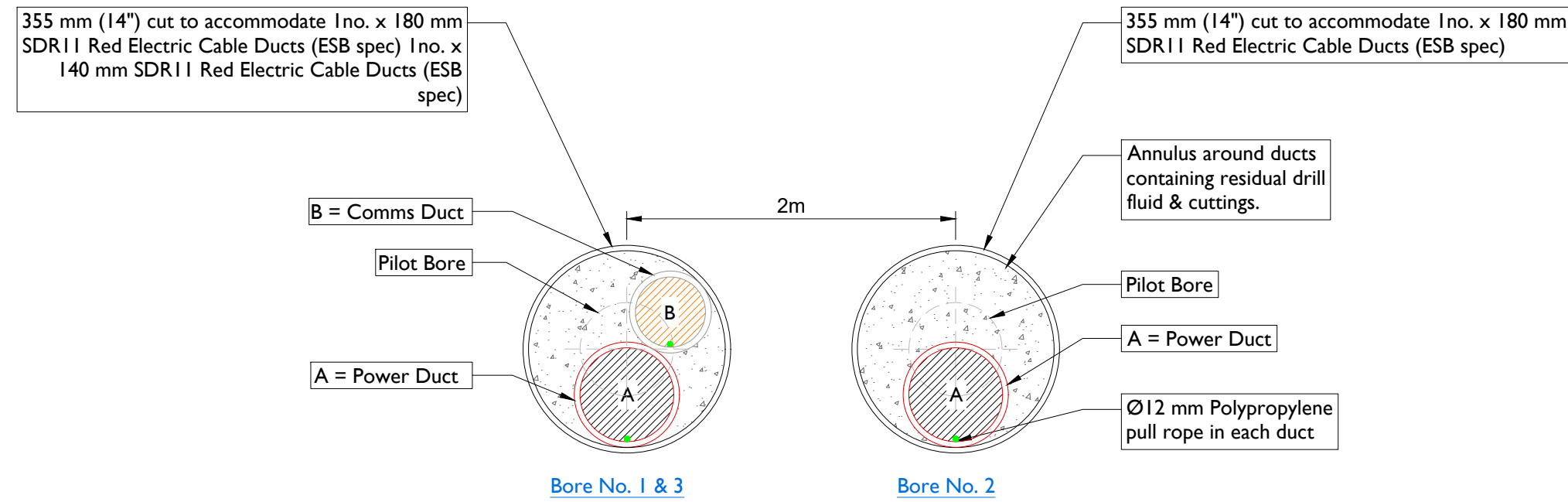
### Section A-A (Longitudinal Cross Section)

Scale : 1:500



### Section B-B

Scale : 1:200



### Detail - A

Scale : 1:10

| HDD Schedule                                   |                                                                                                                 |                 |
|------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|-----------------|
| 110kV                                          | Circuit                                                                                                         |                 |
|                                                | 3 x 180 SDR 11 Red Electric Ducts<br>2 x 140 mm SDR 11 Red Electric Ducts                                       |                 |
| Entry (GEP)<br>Co-Ordinates                    | X = 581762.8525                                                                                                 | Y = 830273.6023 |
| Exit (GXP)<br>Co-Ordinates                     | X = 581856.2444                                                                                                 | Y = 830189.1720 |
| HDD Length                                     | <ul style="list-style-type: none"><li>Horizontal Distance - 128.0 m</li><li>Curve Distance - 128.53 m</li></ul> |                 |
| All HDD ducts to comply with ESB Specification |                                                                                                                 |                 |



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PROJECT

Lissinagroagh Wind Farm  
110kV Grid Connection

CLIENT

FuturEnergy Ireland

CONSULTANTS

TOBIN  
CONSULTING ENGINEERS

NOTES: -

- The proposals are subject to detailed design approval.
- Position of HDD launch/reception points will be selected following site investigations and detailed design.
- Dimensions are in metres, & coordinate system is ITM, unless noted otherwise.
- Drawings are not to be scaled use figured dimensions only.

LEGEND: -

ISSUED FOR PLANNING  
17.07.2026

ISSUE/REVISION

| ISSUE/REVISION |            |                     |
|----------------|------------|---------------------|
|                |            |                     |
|                |            |                     |
|                |            |                     |
| P03            | 17.07.2026 | Issued for Planning |
| P02            | 12.06.2026 | Issued for Planning |
| P01            | 21.04.2026 | Issued for Planning |
| P00            | 20.04.2026 | Issued for Planning |
| I/R            | DATE       | DESCRIPTION         |

PROJECT NUMBER

05-773

SHEET TITLE

Bridge 03- HDD Crossing Details  
R 289/ R287 / LM20069F

SHEET NUMBER

05773-U-DR-154