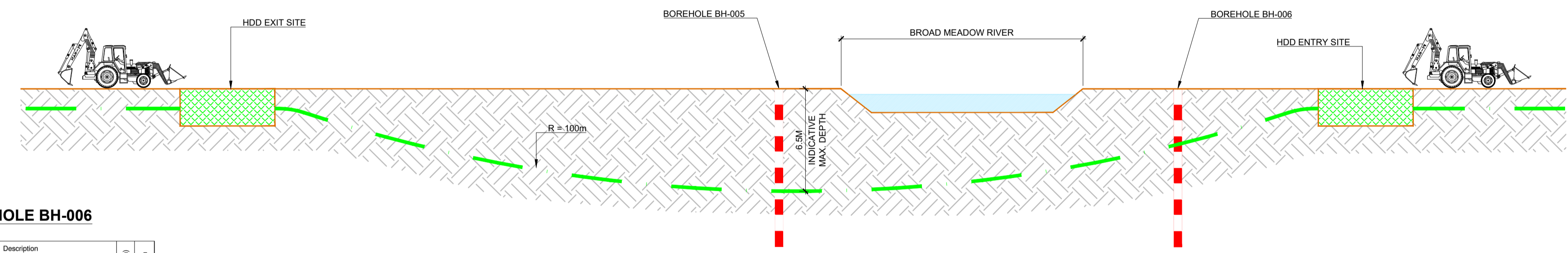


**BROAD MEADOW RIVER  
110kV DIRECTIONAL DRILL  
PLAN**  
A1 SCALE 1:200  
A3 SCALE 1:400

**LEGEND**

- PROPOSED JOINT BAY
- HDD ENTRY SITE
- PROPOSED 110KV ROUTE
- BOREHOLE ACCESS ROAD (REFER TO HFCDR-ROD-HUT-SW-RO-DR-CU-300311 FOR DETAIL)
- SITE BOUNDARY LINE



**BROAD MEADOW RIVER  
110kV DIRECTIONAL DRILL  
CROSS SECTION**  
A1 SCALE 1:200  
A3 SCALE 1:400

**PATH OF CABLE ROUTE AND LOCATION OF ASSOCIATED JOINT BAYS / HDD POINTS / ACCESS TRACKS MAY VARY DEPENDING ON SITE CONDITIONS. DEVIATIONS WILL REMAIN WITHIN THE PLANNING BOUNDARY AT ALL TIMES**

**BOREHOLE BH-005**

| Description  | Depth (m) |
|--|-----------|
| SYMMETRIX DRILLING: No recovery, observed by driller as returns of clayey gravelly COBBLES   | 1.50      |
| SYMMETRIX DRILLING: No recovery, observed by driller as returns of gravelly CLAY   | 3.00      |
| Medium strong to very weak, medium bedded to thinly laminated, pale to dark grey/black, fine-grained. LIMESTONE (interbedded and interlaminated) muddy limestone with sandy limestone and occasional shale layers at 3.22-3.30m, 3.68-3.91m, 3.96-4.04m, 6.56-6.60m, 6.64-6.71m & 12.45-12.47m, fresh to locally slightly weathered. | 10.30     |
| Discontinuities are medium to closely spaced, smooth, fractures are planar to curvilinear. Apertures are tight to locally moderately open, locally black clay smeared, locally calcite veined (1-500mm thick). Dips are 50° and very locally 70°.  | 11.60     |
| 10.30-11.60m - Possible sub-vertical fault zone with abundant calcite replacement and brecciated limestones.   | 11.60     |
| See Description - 3.00-10.30m  | 11.60     |
| End of Borehole at 13.00 m   | 13.00     |

**BOREHOLE BH-006**

| Description   | Depth (m) | Elevation |
|---|-----------|-----------|
| SYMMETRIX DRILLING: No recovery, observed by driller as returns of clayey COBBLES   | 1.70      |           |
| Medium strong to very weak, medium bedded to thinly laminated, pale to dark grey/black, fine-grained. LIMESTONE (interbedded and interlaminated) muddy limestone with sandy limestone and occasional shale layers at 7.38-4.40m, fresh to locally slightly weathered. |           |           |
| Discontinuities are medium to closely spaced, smooth, fractures are planar to curvilinear. Apertures are tight to locally moderately open, locally black clay smeared, locally calcite veined (1-20mm thick). Dips are 30° and very locally 70°.                      |           |           |
| End of Borehole at 11.70 m  | 11.70     |           |

- NOTES**
- PROPOSED HDD SET-UP LOCATIONS ARE PRELIMINARY PENDING FURTHER INVESTIGATION ON-SITE TO DETERMINE THE LOCATIONS OF EXISTING UTILITIES AND INFRASTRUCTURE. HDD SET-UP MAY BE MOVED ACCORDINGLY TO SUIT AS A RESULT.
  - ALL EXCAVATIONS TO BE CARRIED OUT WITH REFERENCE TO HSG 47 "AVOIDING DANGER FROM UNDERGROUND SERVICES"
  - ALL RELEVANT PERMISSIONS TO BE IN PLACE PRIOR TO COMMENCEMENT OF HDD WORKS
  - UTILITY LOCATIONS HAVE BEEN TAKEN FROM INFORMATION SUPPLIED



| No. | Revision | Date | By | Chkd | App'd |
|-----|----------|------|----|------|-------|
|     |          |      |    |      |       |

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|                |  |            |          |          |        |      |        |
|----------------|--|------------|----------|----------|--------|------|--------|
| Project Title  | Finglas to Fieldstown 110kV Cable Route Preliminary Design |            |          |          |        |      |        |
| Drawing Title  | DIRECTIONAL DRILL, BROAD MEADOW RIVER PLAN & PROFILE       |            |          |          |        |      |        |
| Drawing Number | Project  | Originator | Volume   | Location | Type   | Role | Number |
|                | HFCDR  | ROD        | HUT      | SW_RO    | DR     | CU   | 300201 |
| Scale (A1)     | 1:500  | Date       | NOV 2023 | Job No.  | 21.119 | Rev. | P0     |