

ENERGIA 110KV CONNECTIONS

PLAN LAYOUT

110 KV ROUTE

DRAWING SERIES NUMBER(S)

HFCD-ROD-GEN-IX_RO-DR-CU-300001

HFCD-ROD-GEN-KP_RO-DR-CU-300001

HFCD-ROD-HUT-SW_RO-DR-CU-300001 to 0019

DRAWING SERIES DESCRIPTION

110KV ROUTE - COVER SHEET

110KV ROUTE - KEY PLAN

110KV ROUTE - PLAN LAYOUT DRAWINGS

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

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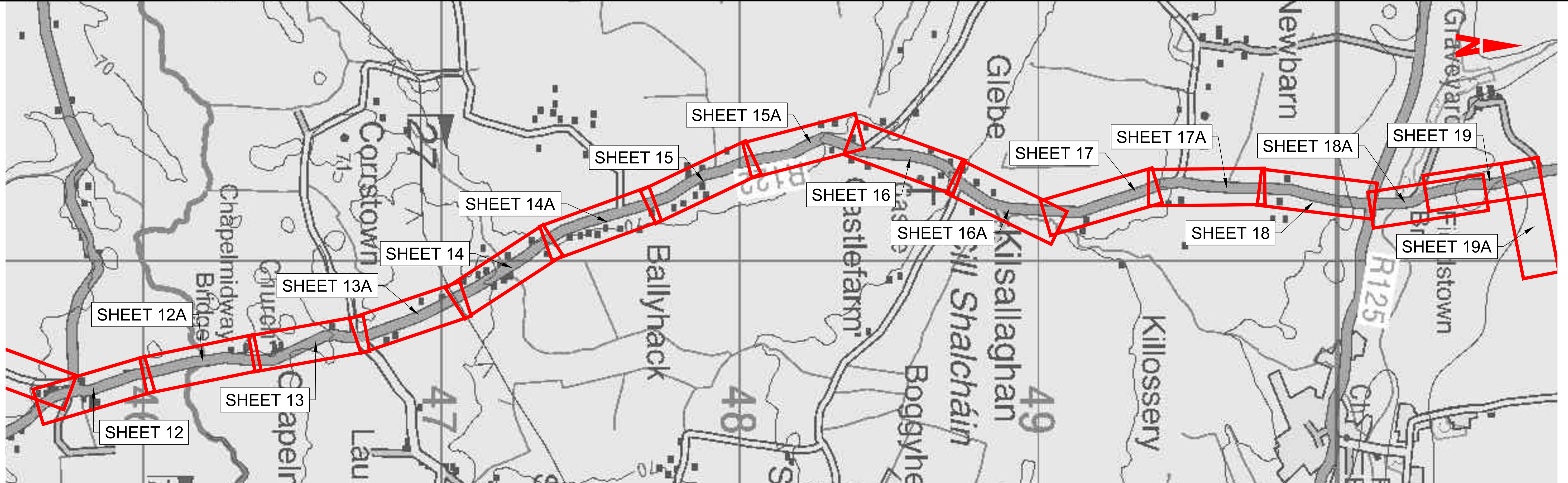
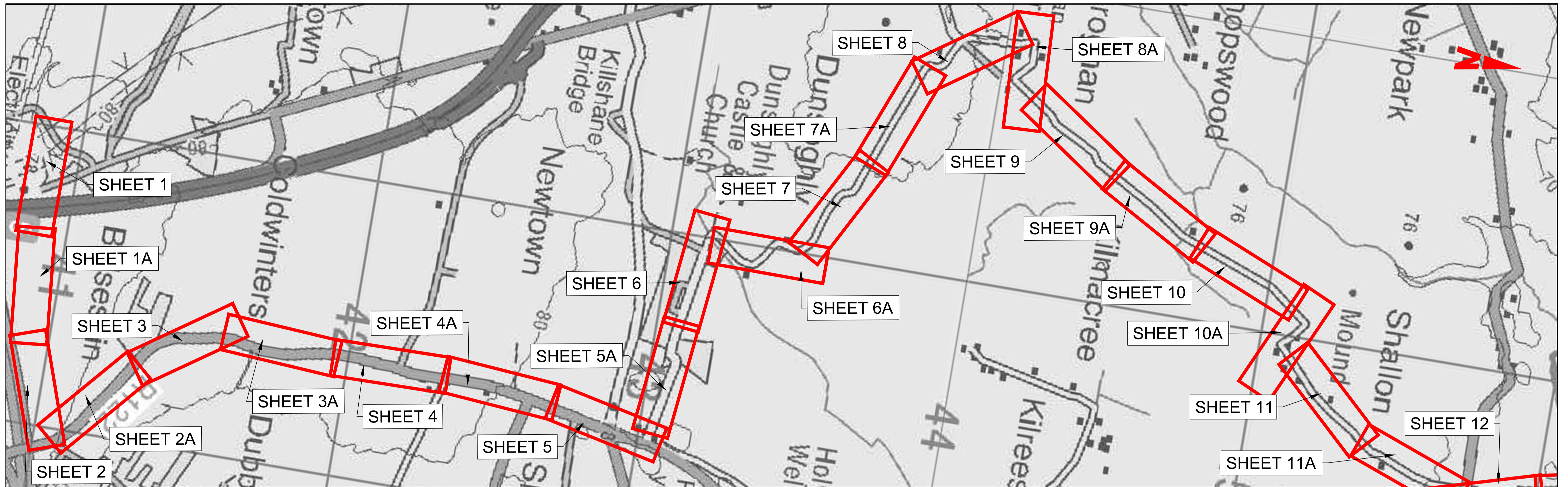


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Sandyford, Dublin 18
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Fax : +353 1 294 0820
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Website : www.rod.ie

Drawn: DS Designed: GBR Checked: EE Approved: EOC Status: S4 - Stage Approval

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|----------------|--|------------|----------|----------|--------|------|----------|
| Project Title | Finglas to Fieldstown 110KV Cable Route Preliminary Design | | | | | | |
| Drawing Title | 110KV ROUTE COVERSHEET | | | | | | |
| Drawing Number | Project | Originator | Volume | Location | Type | Role | Number |
| | HFCD | - ROD | - GEN | - IX_RO | - DR | - CU | - 300001 |
| Scale (A1) | N.T.S. | Date: | AUG 2023 | Job No: | 21.119 | Rev: | P0 |



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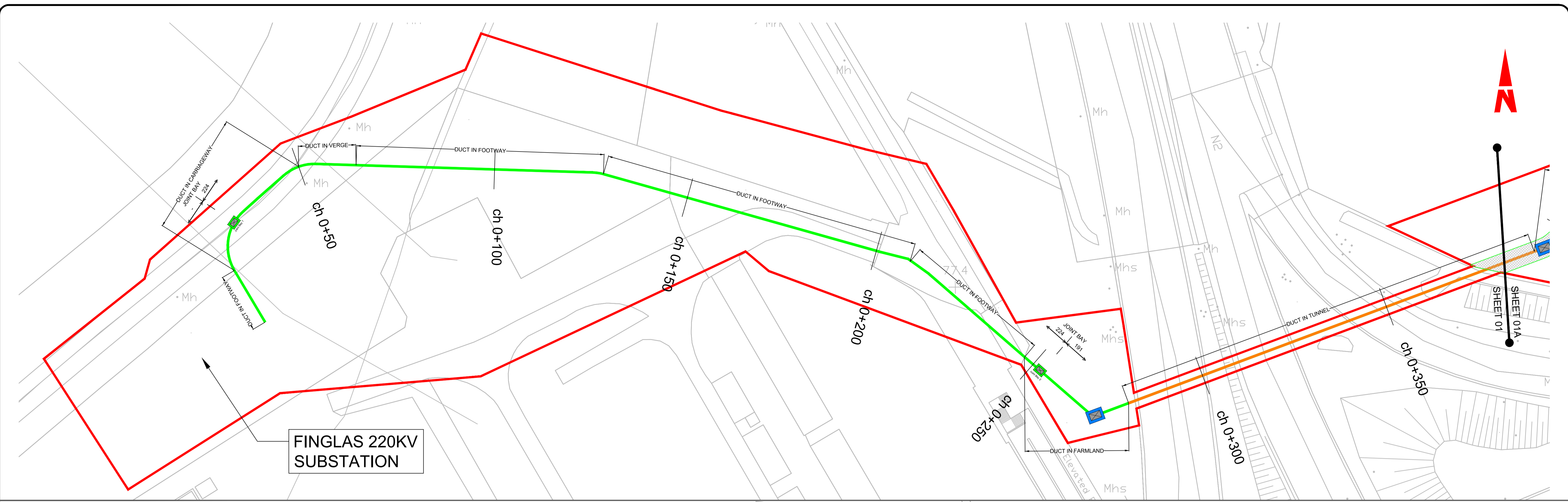
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Project Title: Finglas to Fieldstown 110KV Cable Route Preliminary Design
Drawing Title: 110KV ROUTE KEYPLAN

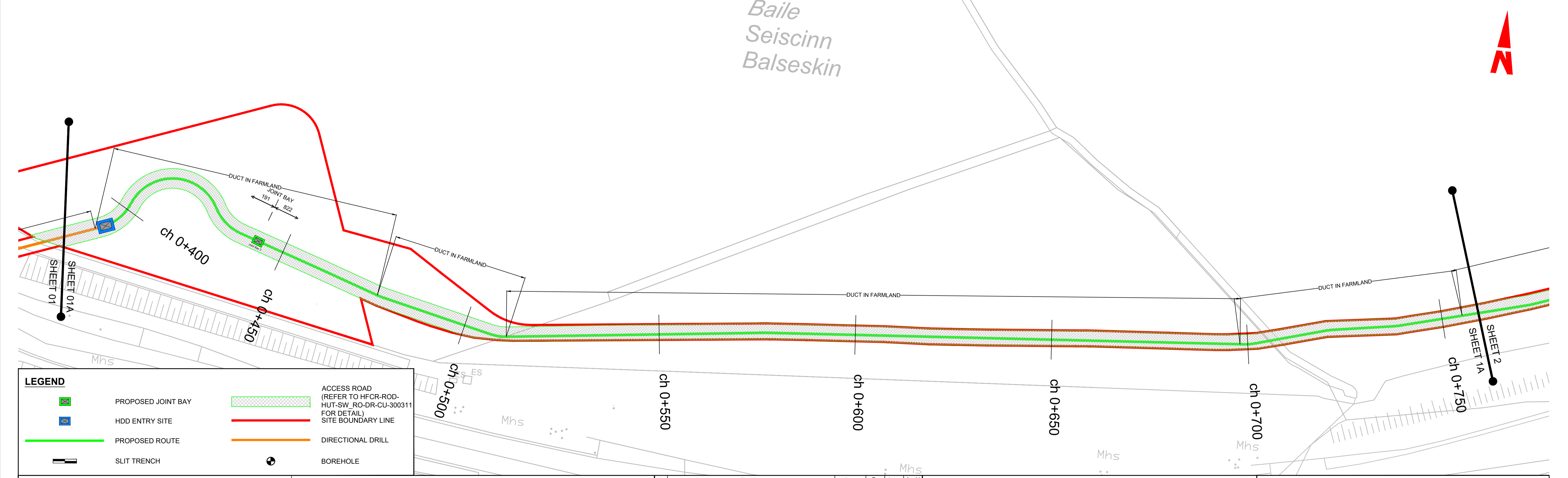
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| Project | Originator | Volume | Location | Type | Role | Number |
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Drawn: DS | Designed: GBR | Checked: EE | Approved: EOC | Status: S4 - Stage Approval

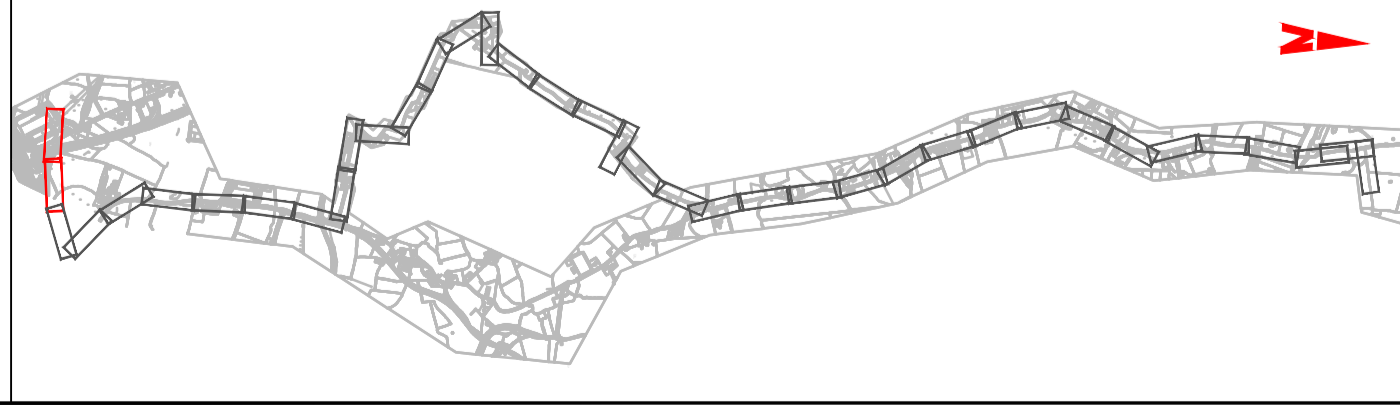


FINGLAS 220KV
SUBSTATION

Baile
Seiscinn
Baleskin



| LEGEND | | | |
|--------|--------------------|--|---|
| | PROPOSED JOINT BAY | | ACCESS ROAD (REFER TO HFCR-ROD-HUT-SW_RO-DR-CU-300311 FOR DETAIL) |
| | HDD ENTRY SITE | | SITE BOUNDARY LINE |
| | PROPOSED ROUTE | | DIRECTIONAL DRILL |
| | SLIT TRENCH | | BOREHOLE |



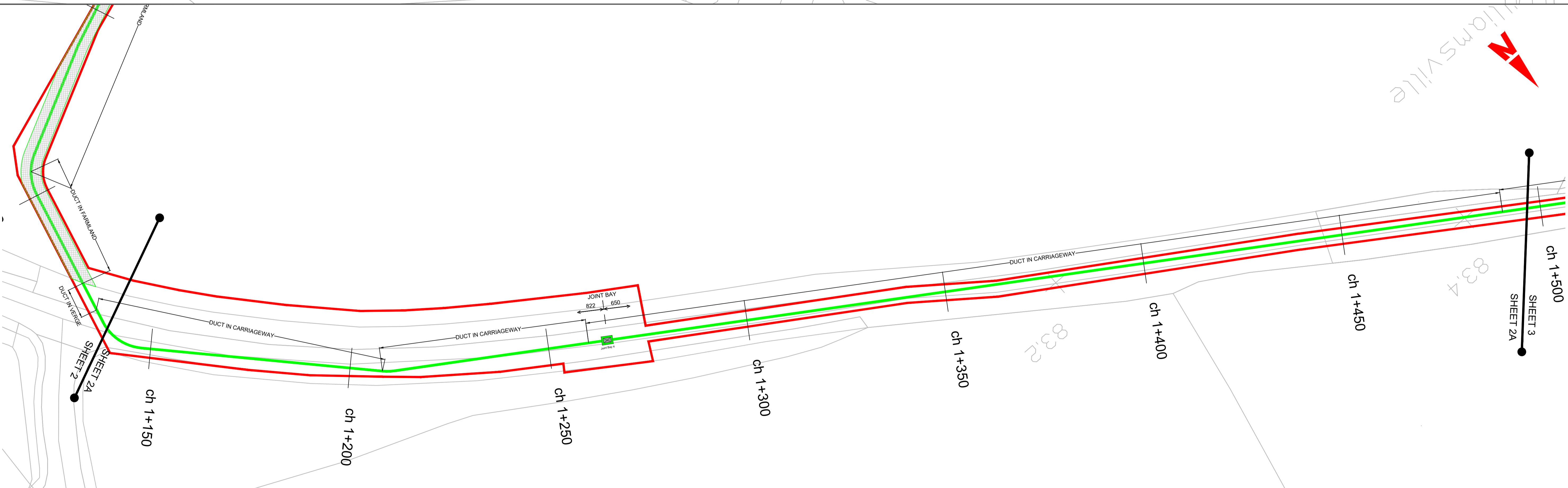
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| P1 | PLAN LAYOUT | 9/8/2023 | DS | EE | EOC |

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| Drawing Title | 110KV ROUTE PLAN LAYOUT | | | | | | |
| Drawing Number | Project | Originator | Volume | Location | Type | Role | Number |
| | HFCR | ROD | HUT | SW_RO | DR | CU | 300001 |
| Scale (A1) | 1:500 | Date | NOV 2023 | Job No | 21.119 | Rev | P2 |

| LEGEND | | | |
|--------|--------------------|--|--|
| | PROPOSED JOINT BAY | | ACCESS ROAD (REFER TO HFCR-ROD-HUT-SW_RO-DR-CU-300311 FOR DETAIL) |
| | HDD ENTRY SITE | | SITE BOUNDARY LINE |
| | PROPOSED ROUTE | | DIRECTIONAL DRILL |
| | SLIT TRENCH | | BOREHOLE |



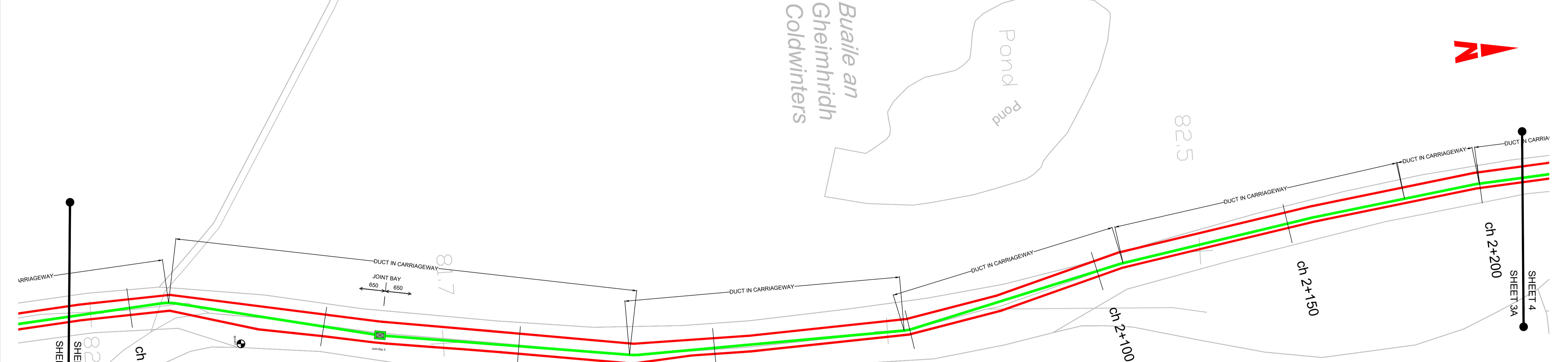
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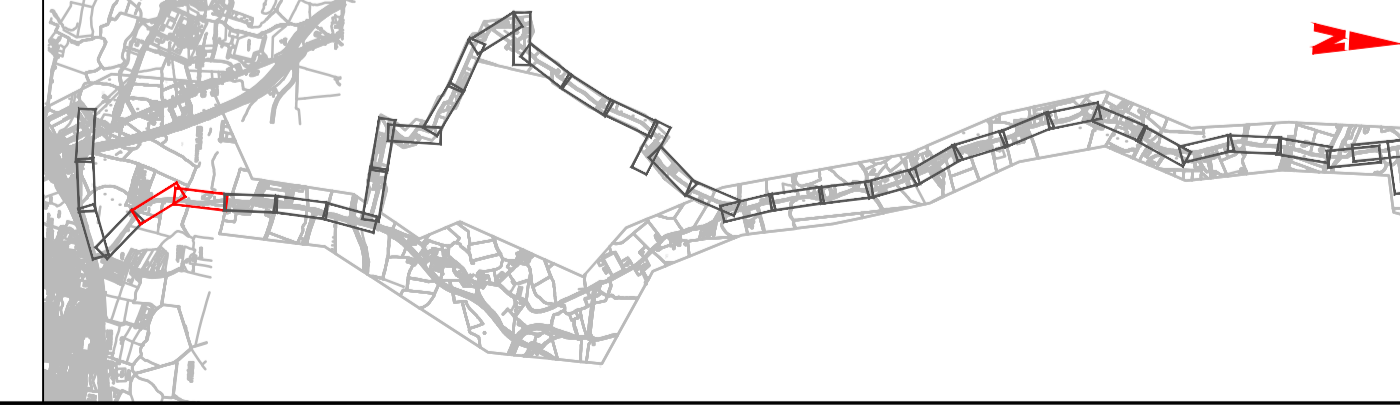
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Drawn: DS | Designed: GBR | Checked: EE | Approved: EOC | Status: S4 - Stage Approval

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|---|------------|--|----------|---------|--------|--------|----|
| Project Title | | Finglas to Fieldstown 110kV Cable Route Preliminary Design | | | | | |
| Drawing Title | | 110KV ROUTE PLAN LAYOUT | | | | | |
| Project | Originator | Volume | Location | Type | Role | Number | |
| HFCR - ROD - HUT - SW_RO - DR - CU - 300002 | | | | | | | |
| Scale (A1) | 1:500 | Date: | NOV 2023 | Job No: | 21.119 | Rev: | P2 |



| LEGEND | |
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| | PROPOSED JOINT BAY |
| | HDD ENTRY SITE |
| | PROPOSED ROUTE |
| | SLIT TRENCH |
| | ACCESS ROAD (REFER TO HFCR-ROD-HUT-SW-RO-DR-CU-300311 FOR DETAIL) |
| | SITE BOUNDARY LINE |
| | DIRECTIONAL DRILL |
| | BOREHOLE |



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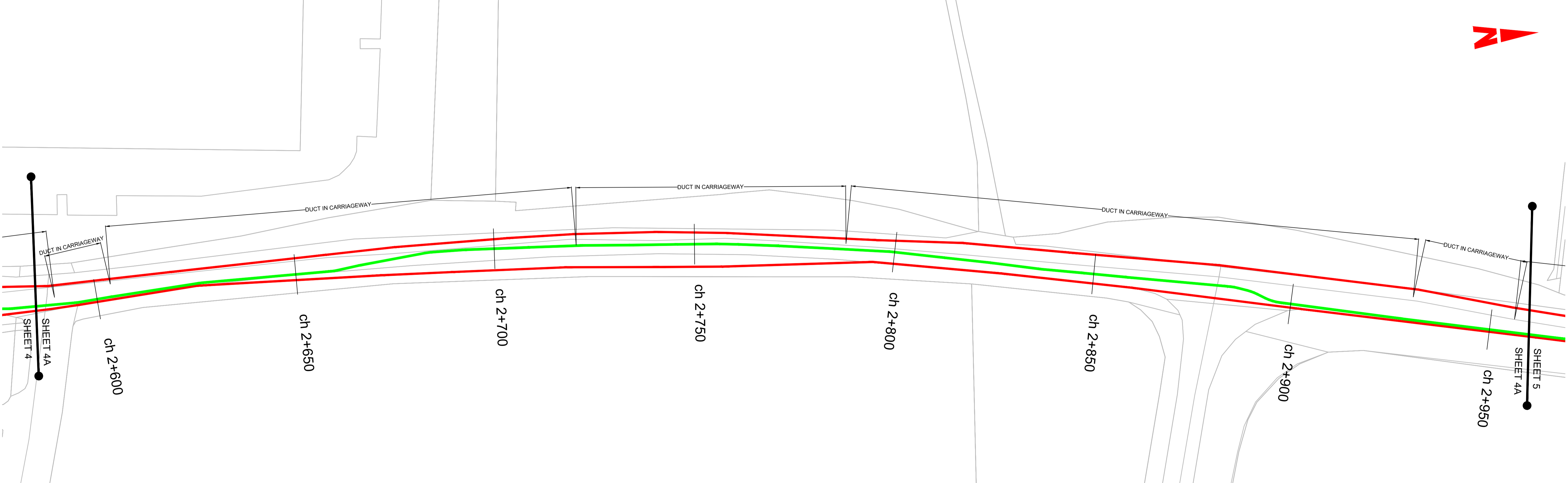
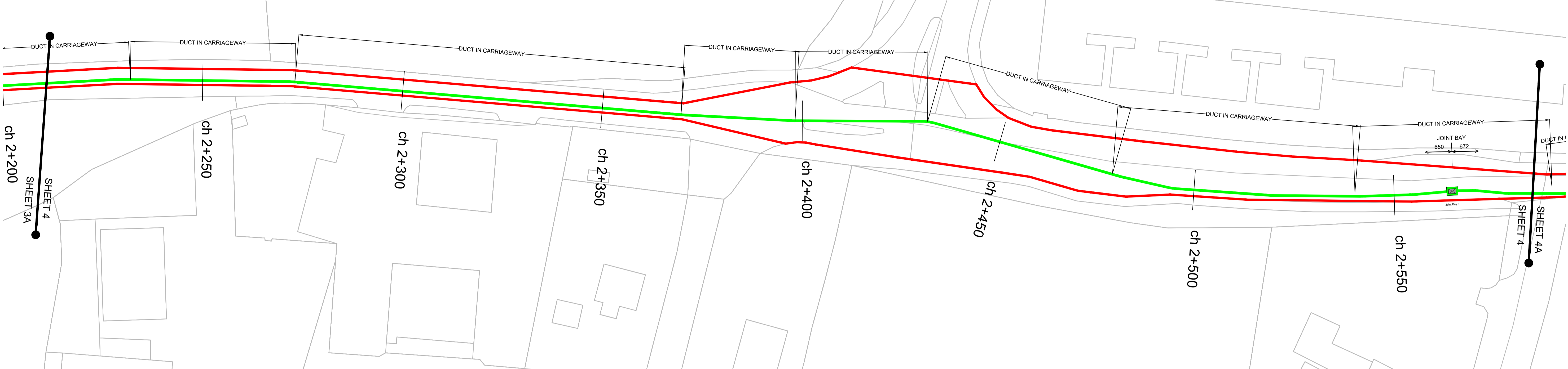
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| Project Title | | Finglas to Fieldstown 110kV Cable Route Preliminary Design | | | | | |
| Drawing Title | | 110KV ROUTE PLAN LAYOUT | | | | | |
| Project Number | Originator | Volume | Location | Type | Role | Number | |
| HFCR - ROD - HUT - SW_RO - DR - CU - 300003 | ROD | HUT | SW_RO | DR | CU | 300003 | |
| Scale (A1) | 1:500 | Date | NOV 2023 | Job No. | 21.119 | Rev. | P2 |

LEGEND

- PROPOSED JOINT BAY
- HDD ENTRY SITE
- PROPOSED ROUTE
- SLIT TRENCH
- ACCESS ROAD (REFER TO HFGR-ROD-HUT-SW_RO-DR-CU-300311 FOR DETAIL)
- SITE BOUNDARY LINE
- DIRECTIONAL DRILL
- BOREHOLE



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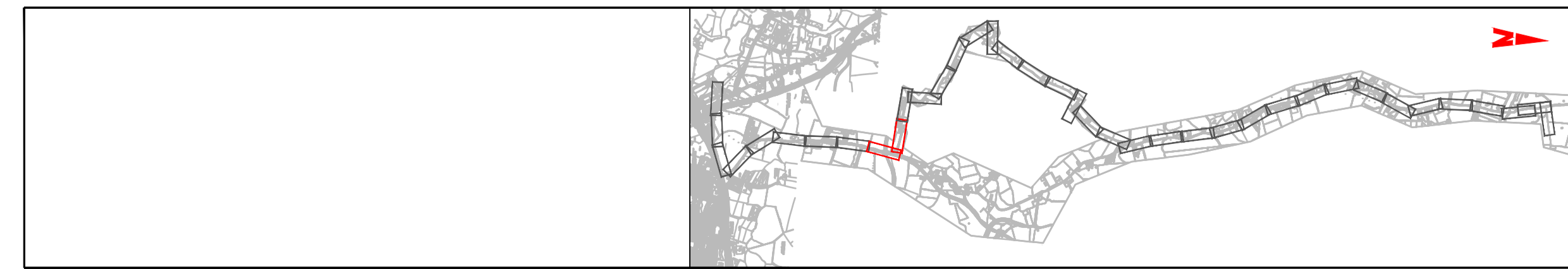
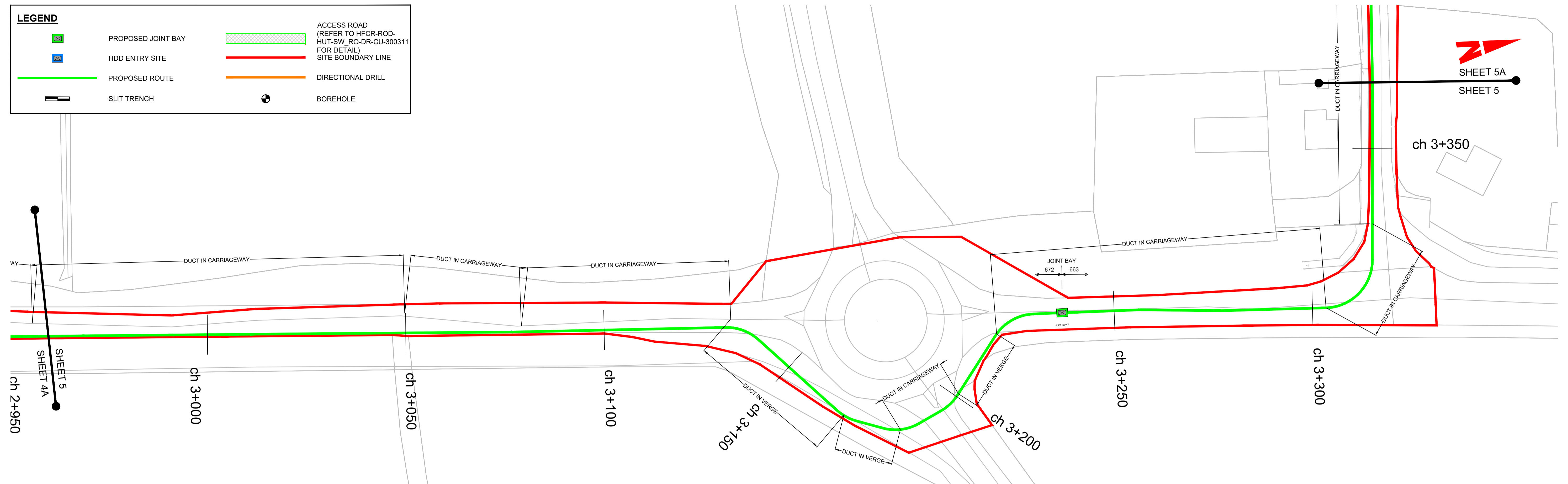
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| Project Title | Finglas to Fieldstown 110kV Cable Route Preliminary Design | | | | | | |
| Drawing Title | 110KV ROUTE PLAN LAYOUT | | | | | | |
| Drawing Number | Project | Originator | Volume | Location | Type | Role | Number |
| | HFGR | - ROD | - HUT | - SW_RO | - DR | - CU | 300004 |
| Scale (A1) | 1:500 | Date: | NOV 2023 | Job No: | 21.119 | Rev: | P2 |

| LEGEND | | | |
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| | PROPOSED JOINT BAY | | ACCESS ROAD (REFER TO HFCR-ROD-HUT-SW_RO-DR-CU-300311 FOR DETAIL) |
| | HDD ENTRY SITE | | SITE BOUNDARY LINE |
| | PROPOSED ROUTE | | DIRECTIONAL DRILL |
| | SLIT TRENCH | | BOREHOLE |



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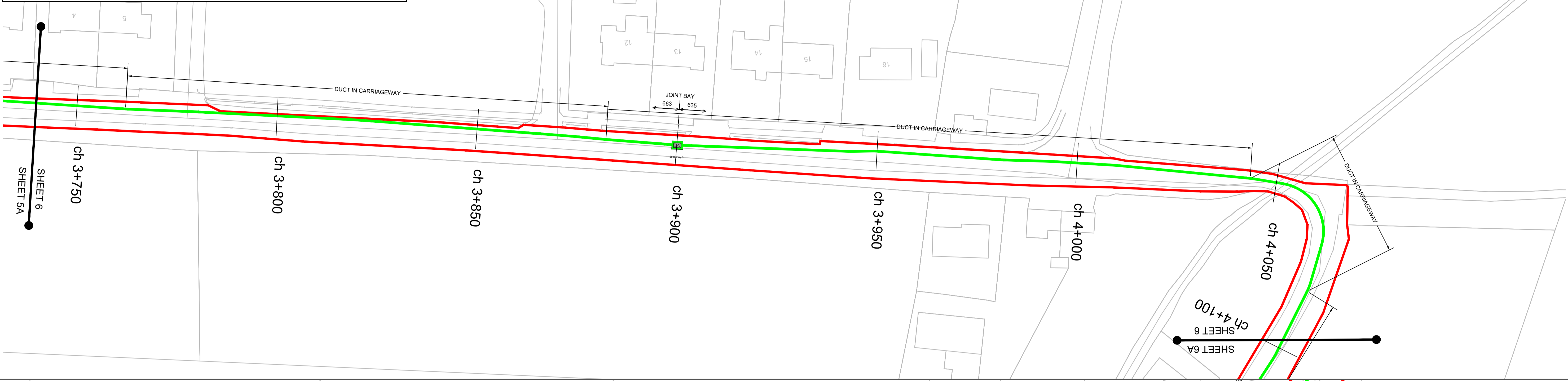
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| Project Title | | Finglas to Fieldstown 110kV Cable Route Preliminary Design | | | | | |
| Drawing Title | | 110KV ROUTE PLAN LAYOUT | | | | | |
| Project Number | Originator | Volume | Location | Type | Role | Number | |
| HFCR - ROD - HUT - SW_RO - DR - CU - 300005 | | | | | | | |
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LEGEND

- PROPOSED JOINT BAY
- HDD ENTRY SITE
- PROPOSED ROUTE
- SLIT TRENCH
- ACCESS ROAD (REFER TO HFCR-ROD-HUT-SW_RO-DR-CU-300311 FOR DETAIL)
- SITE BOUNDARY LINE
- DIRECTIONAL DRILL
- BOREHOLE



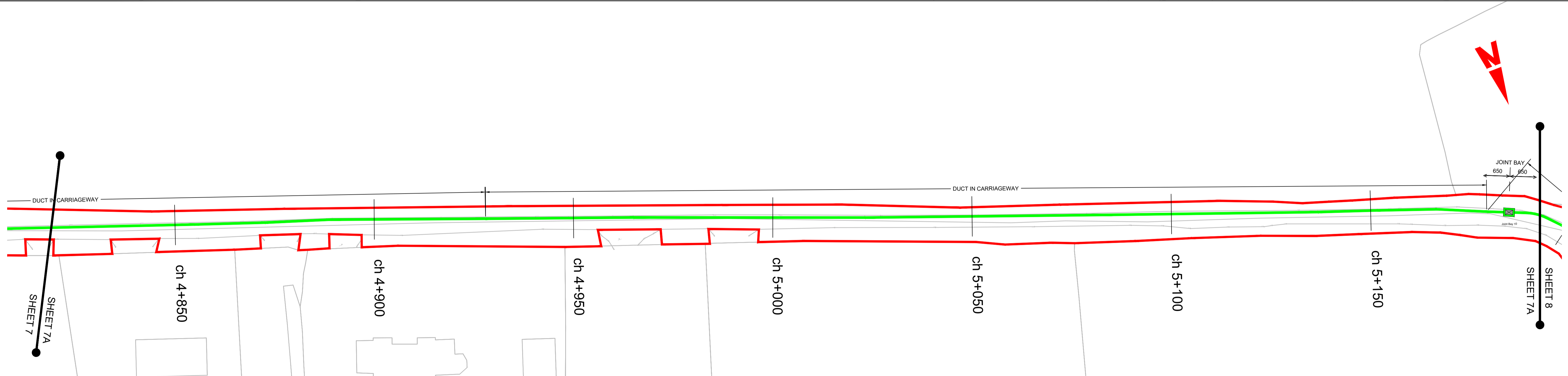
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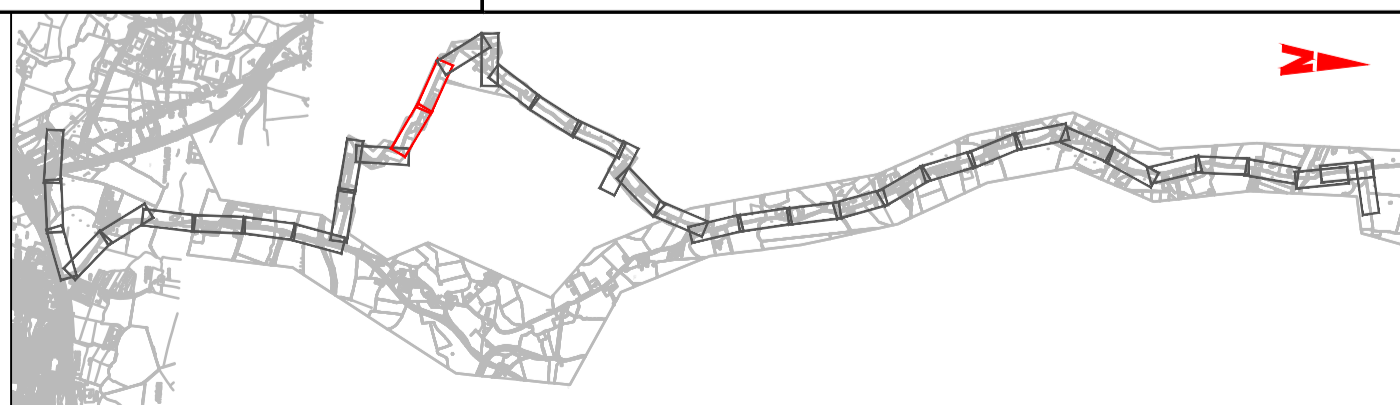
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| Project Title | Finglas to Fieldstown 110kV Cable Route Preliminary Design | | | | | | | | | | | | |
| Drawing Title | 110KV ROUTE PLAN LAYOUT | | | | | | | | | | | | |
| Project Number | HFCR | Originator | ROD | Volume | HUT | Location | SW_RO | Type | DR | Role | CU | Number | 300006 |
| Scale (A1) | 1:500 | Date | NOV 2023 | Job No | 21.119 | Rev | P2 | | | | | | |



LEGEND

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| | PROPOSED JOINT BAY | | ACCESS ROAD (REFER TO HFCR-ROD-HUT-SW_RO-DR-CU-300311 FOR DETAIL) |
| | HDD ENTRY SITE | | SITE BOUNDARY LINE |
| | PROPOSED ROUTE | | DIRECTIONAL DRILL |
| | SLIT TRENCH | | BOREHOLE |



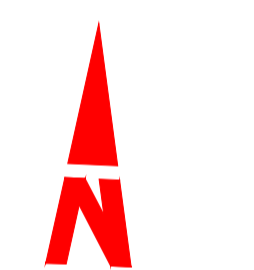
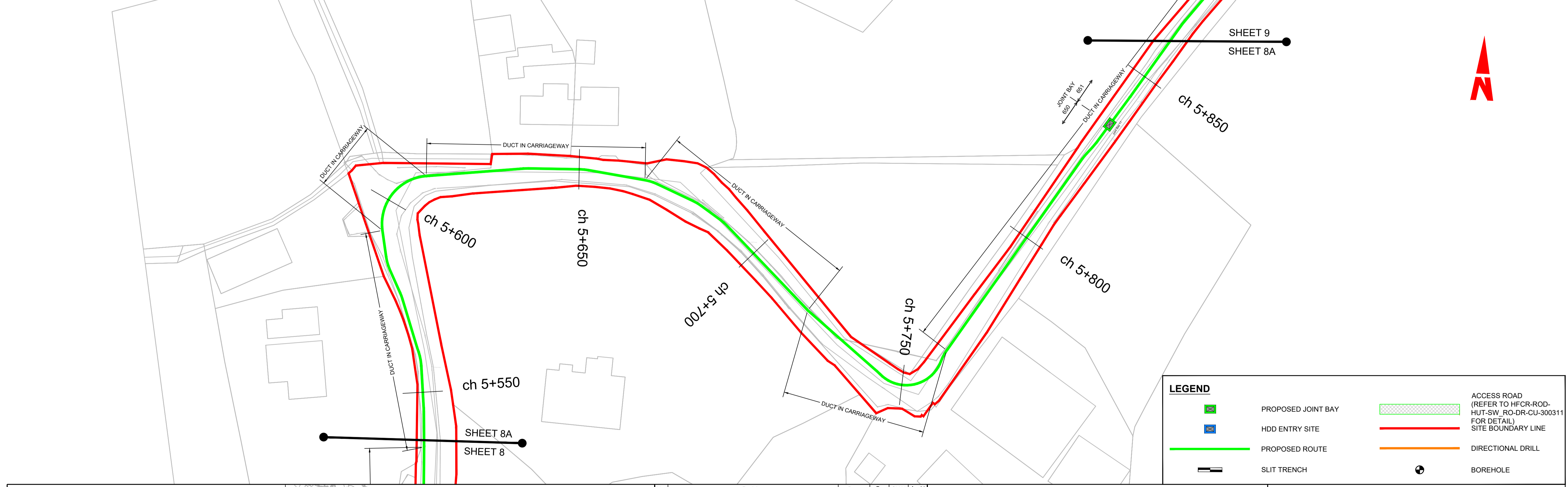
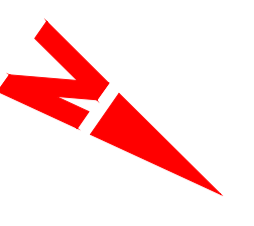
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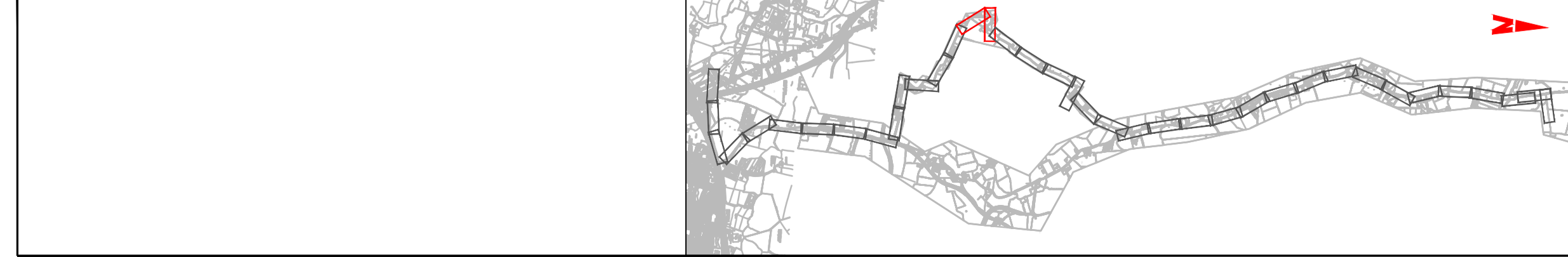
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| Project Title | Finglas to Fieldstown 110kV Cable Route Preliminary Design | | | | | | |
| Drawing Title | 110KV ROUTE PLAN LAYOUT | | | | | | |
| Drawing Number | Project | Originator | Volume | Location | Type | Role | Number |
| | HFCR | ROD | HUT | SW_RO | DR | CU | 300007 |
| Scale (A1) | 1:500 | Date: | NOV 2023 | Job No: | 21.119 | Rev: | P2 |



| LEGEND | |
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| | PROPOSED JOINT BAY |
| | HDD ENTRY SITE |
| | PROPOSED ROUTE |
| | SLIT TRENCH |
| | ACCESS ROAD (REFER TO HFCR-ROD-HUT-SW-RO-DR-CU-300311 FOR DETAIL) |
| | SITE BOUNDARY LINE |
| | DIRECTIONAL DRILL |
| | BOREHOLE |

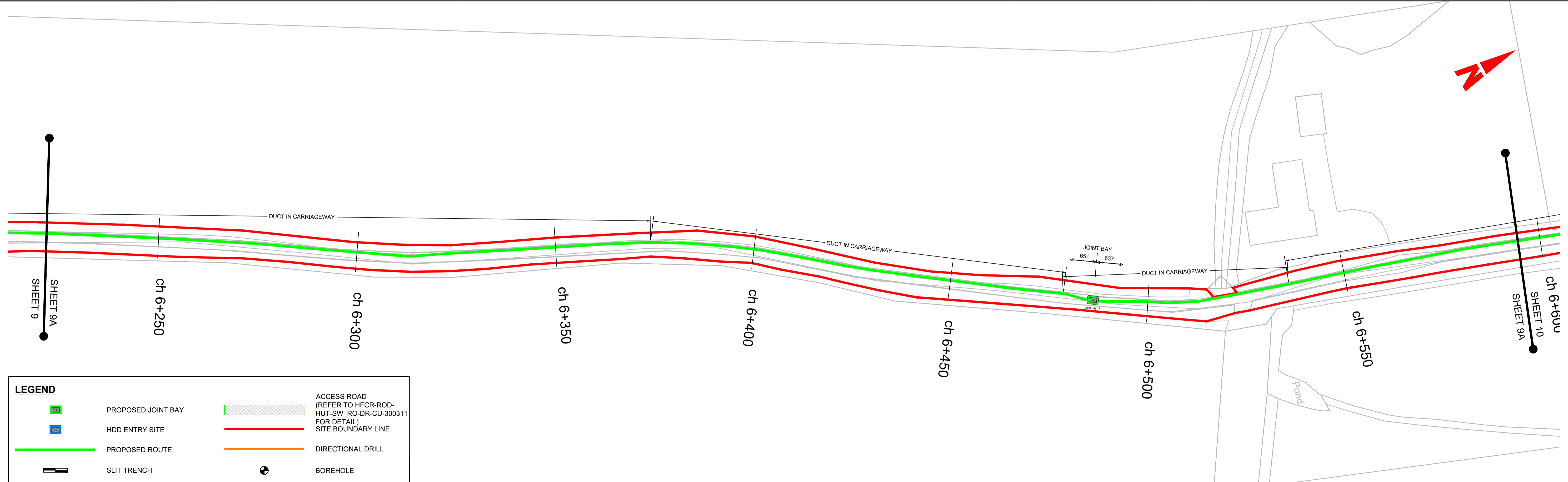
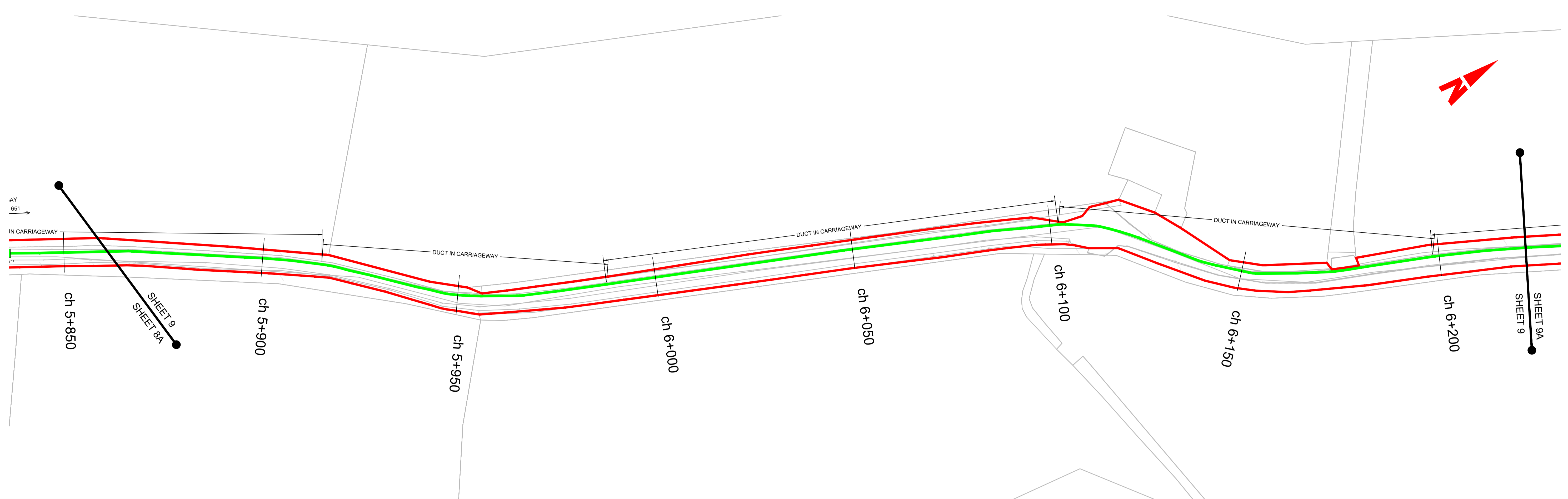


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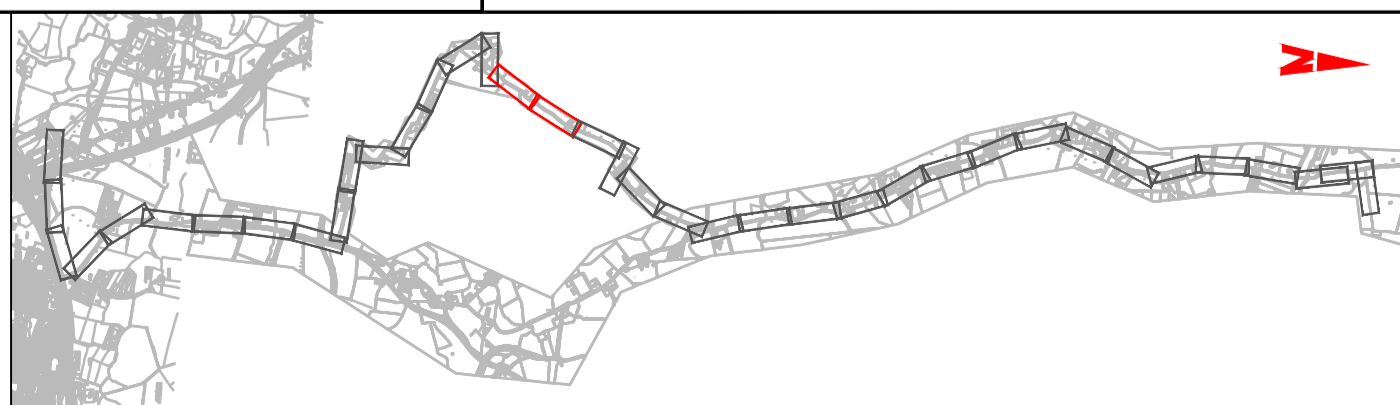
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| Project Title | Finglas to Fieldstown 110kV Cable Route Preliminary Design | | | | | | |
| Drawing Title | 110KV ROUTE PLAN LAYOUT | | | | | | |
| Drawing Number | Project | Originator | Volume | Location | Type | Role | Number |
| | HFCR | ROD | HUT | SW_RO | DR | CU | 300008 |
| Scale (A1) | 1:500 | Date | NOV 2023 | Job No. | 21.119 | Rev. | P2 |



| LEGEND | |
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| | PROPOSED JOINT BAY |
| | HDD ENTRY SITE |
| | PROPOSED ROUTE |
| | SLIT TRENCH |
| | ACCESS ROAD (REFER TO HFCR-ROD-HUT-SW_RO-DR-CU-300311 FOR DETAIL) |
| | SITE BOUNDARY LINE |
| | DIRECTIONAL DRILL |
| | BOREHOLE |



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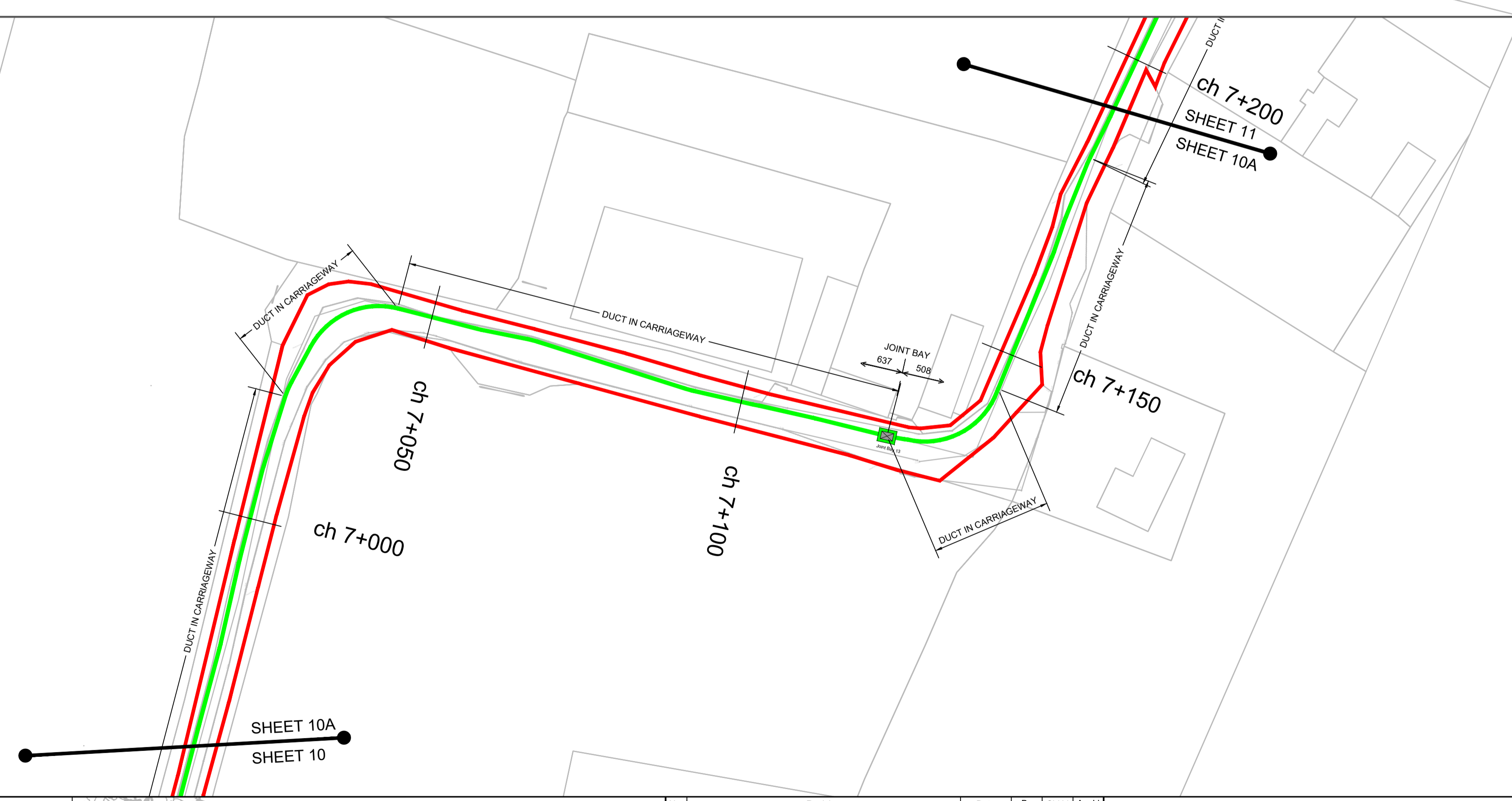
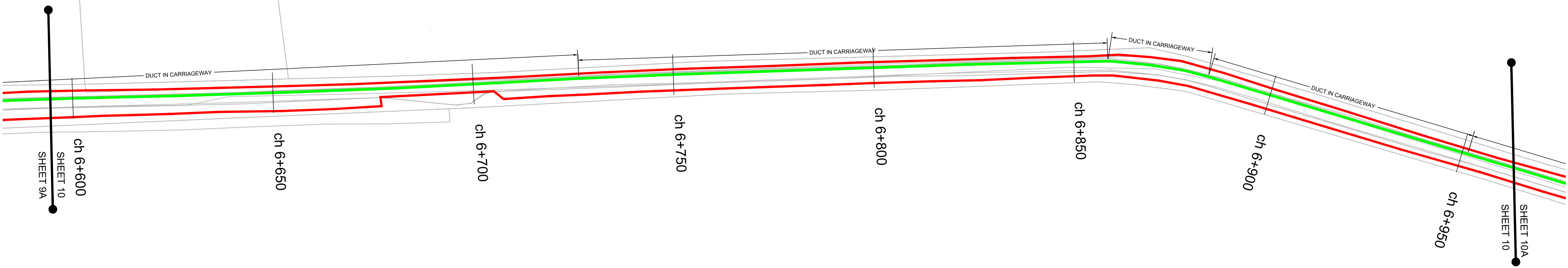
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| Project Title | Finglas to Fieldstown 110kV Cable Route Preliminary Design | | | | | | |
| Drawing Title | 110KV ROUTE PLAN LAYOUT | | | | | | |
| Drawing Number | Project | Originator | Volume | Location | Type | Role | Number |
| | HFCR | - ROD | - HUT | - SW_RO | - DR | - CU | - 300009 |
| Scale (A1) | 1:500 | Date: | NOV 2023 | Job No: | 21.119 | Rev: | P2 |

LEGEND

- PROPOSED JOINT BAY
- HDD ENTRY SITE
- PROPOSED ROUTE
- SLIT TRENCH
- ACCESS ROAD (REFER TO HFCD-ROD-HUT-SW_RO-DR-CU-300311 FOR DETAIL)
- SITE BOUNDARY LINE
- DIRECTIONAL DRILL
- BOREHOLE



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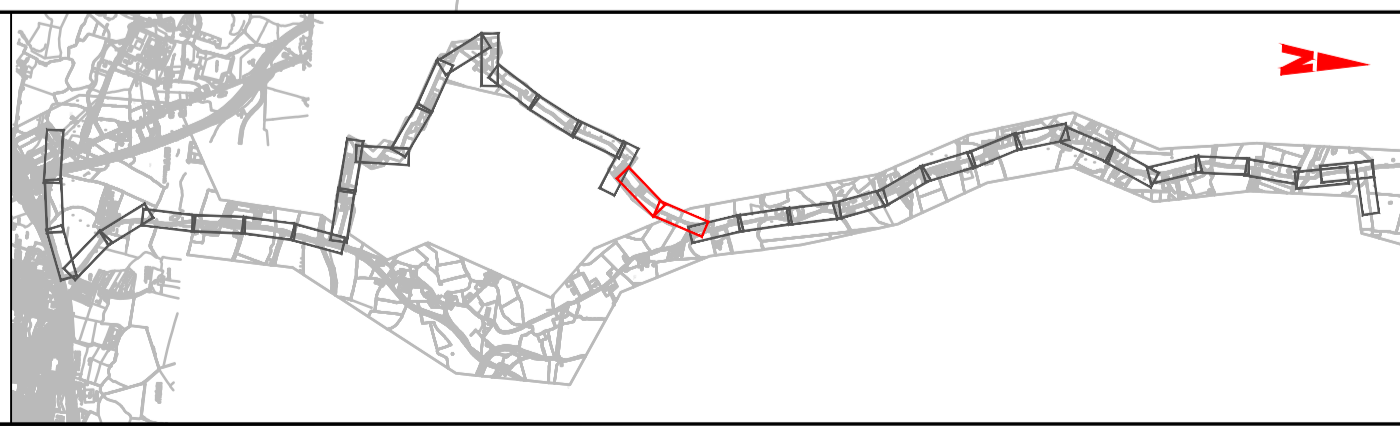
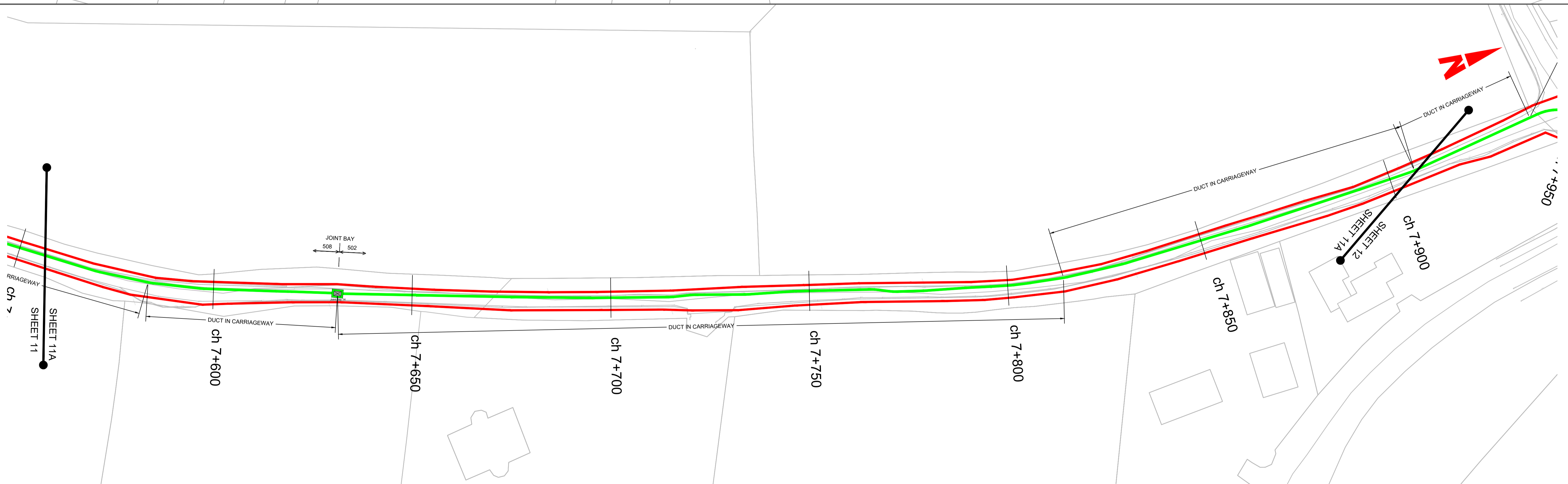
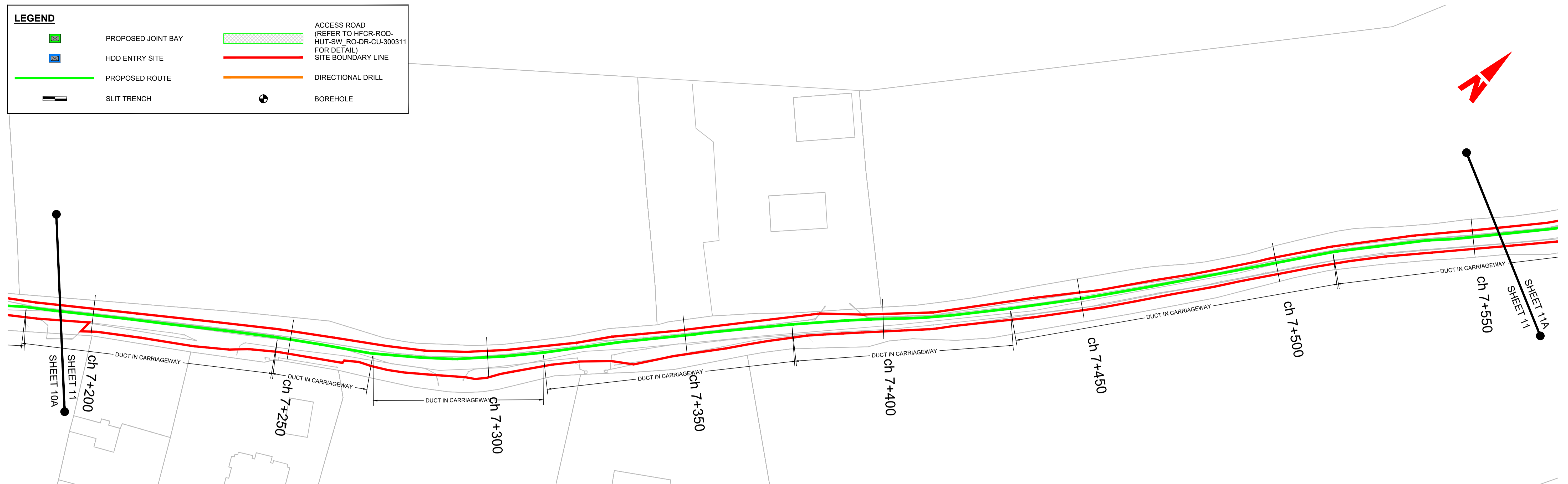
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| Project | Originator | Volume | Location | Type | Role | Number | |
| HFCD - ROD - HUT - SW_RO - DR - CU - 300010 | | | | | | | |
| Scale (A1) | 1:500 | Date: | NOV 2023 | Job No: | 21.119 | Rev: | P2 |

LEGEND

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|  | PROPOSED JOINT BAY |  | ACCESS ROAD (REFER TO HFGR-ROD- HUT-SW_RO-DR-CU-300311 FOR DETAIL) |
|  | HDD ENTRY SITE |  | SITE BOUNDARY LINE |
|  | PROPOSED ROUTE |  | DIRECTIONAL DRILL |
|  | SLIT TRENCH |  | BOREHOLE |



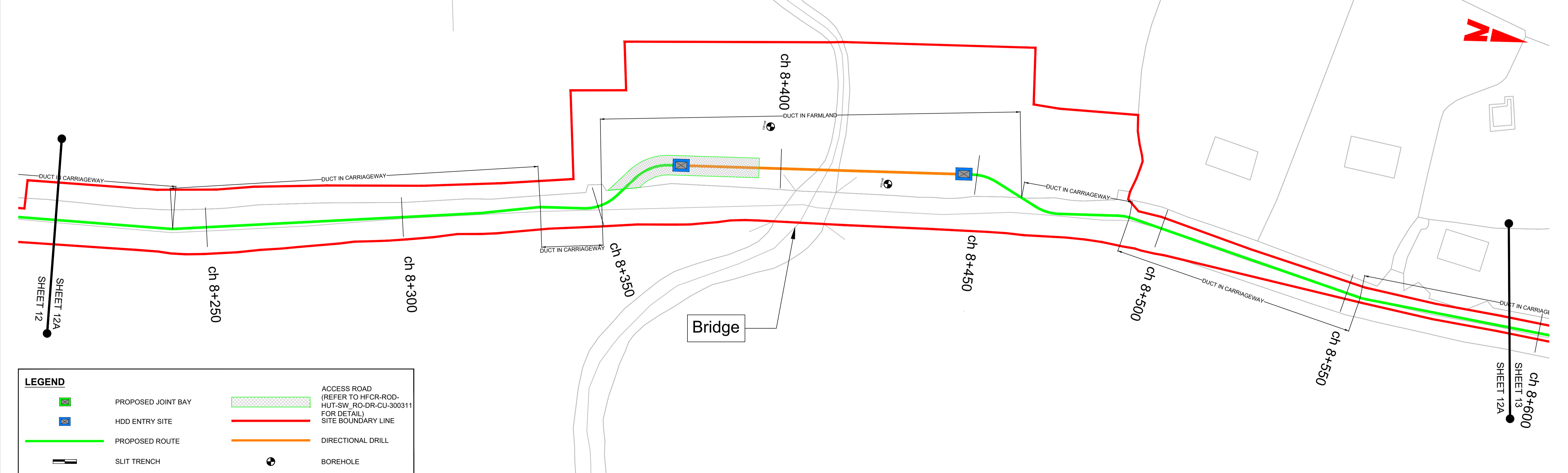
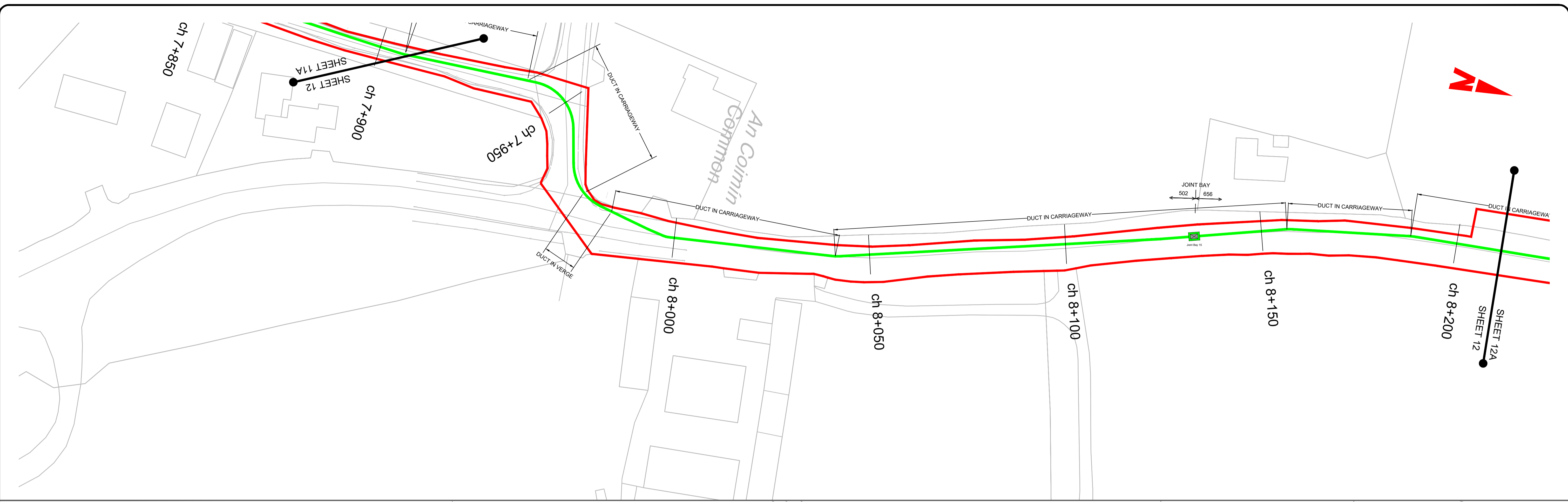
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| P1 | PLAN LAYOUT | 9/8/2023 | DS | EE | EOC |
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Consulting Engineers
Civil - Structural - Transportation - Environmental

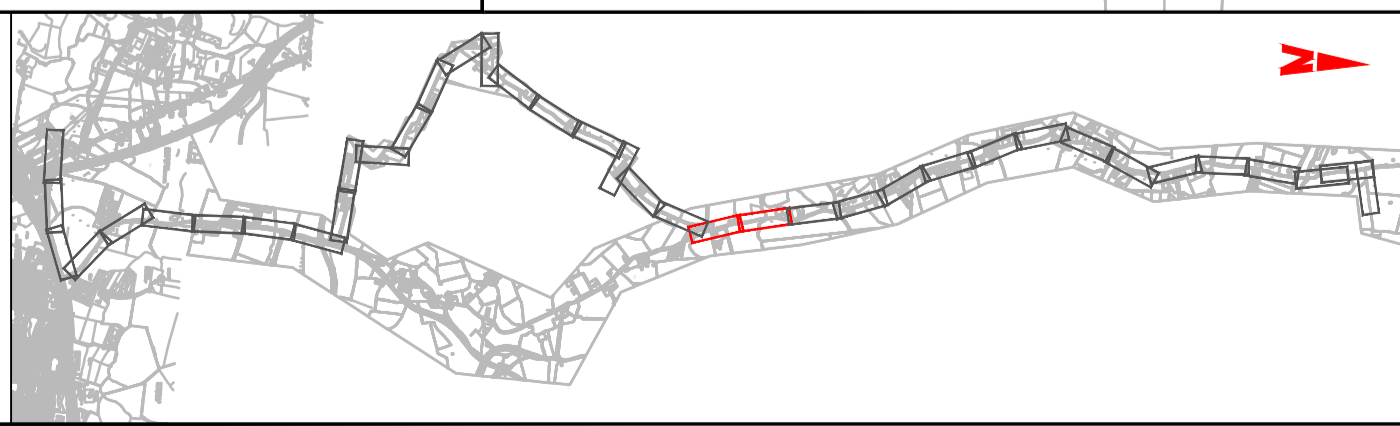
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Tel : +353 1 294 0800
Fax : +353 1 294 0820
e-mail : info@rod.ie
Website : www.rod.ie

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|---------------|---------------------|---|-------------|--|-------|-----------|-----|
| Project Title | | Finglas to Fieldstown 110kV Cable Route Preliminary Design | | | | | |
| Drawing Title | | 110KV ROUTE PLAN LAYOUT | | | | | |
| Project | Originator | Volume | Location | Type | Role | Number | |
| HFGR | ROD | HUT | SW_RO | DR | CU | 300011 | |
| Drawn: | DS | Designed: | GBR | Checked: | EE | Approved: | EOC |
| Status: | S4 - Stage Approval | | Scale (A1): | 1:500 | Date: | NOV 2023 | |
| Job No: | 21.119 | Rev: | P2 | DO NOT SCALE USE FIGURED DIMENSIONS ONLY | | | |



LEGEND

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|--|--------------------|--|---|
| | PROPOSED JOINT BAY | | ACCESS ROAD (REFER TO HFCD-ROD-HUT-SW-RO-DR-CU-300311 FOR DETAIL) |
| | HDD ENTRY SITE | | SITE BOUNDARY LINE |
| | PROPOSED ROUTE | | DIRECTIONAL DRILL |
| | SLIT TRENCH | | BOREHOLE |



| No. | Revision | Date | By | Chkd | App'd |
|-----|-------------|----------|----|------|-------|
| P1 | PLAN LAYOUT | 9/8/2023 | DS | EE | EOC |
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e-mail : info@rod.ie
Website : www.rod.ie

Drawn: DS Designed: GBR Checked: EE Approved: EOC Status: S4 - Stage Approval

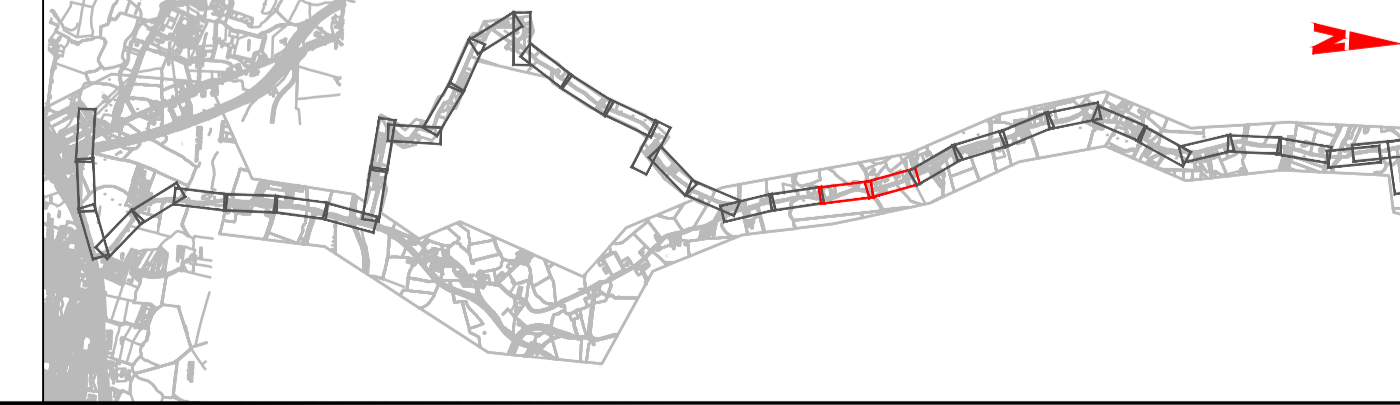
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| Project Title | Finglas to Fieldstown 110kV Cable Route Preliminary Design | | | | | | |
| Drawing Title | 110KV ROUTE PLAN LAYOUT | | | | | | |
| Project Number | Project | Originator | Volume | Location | Type | Role | Number |
| 300012 | HFCD | ROD | HUT | SW-RO | DR | CU | 300012 |
| Scale (A1) | 1:500 | Date | NOV 2023 | Job No: | 21.119 | Rev: | P2 |

LEGEND

- PROPOSED JOINT BAY
- HDD ENTRY SITE
- PROPOSED ROUTE
- SLIT TRENCH
- ACCESS ROAD (REFER TO HFGR-ROD-HUT-SW_RO-DR-CU-300311 FOR DETAIL)
- SITE BOUNDARY LINE
- DIRECTIONAL DRILL
- BOREHOLE



| No. | Revision | Date | By | Chkd | App'd |
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| P1 | PLAN LAYOUT | 9/8/2023 | DS | EE | EOC |

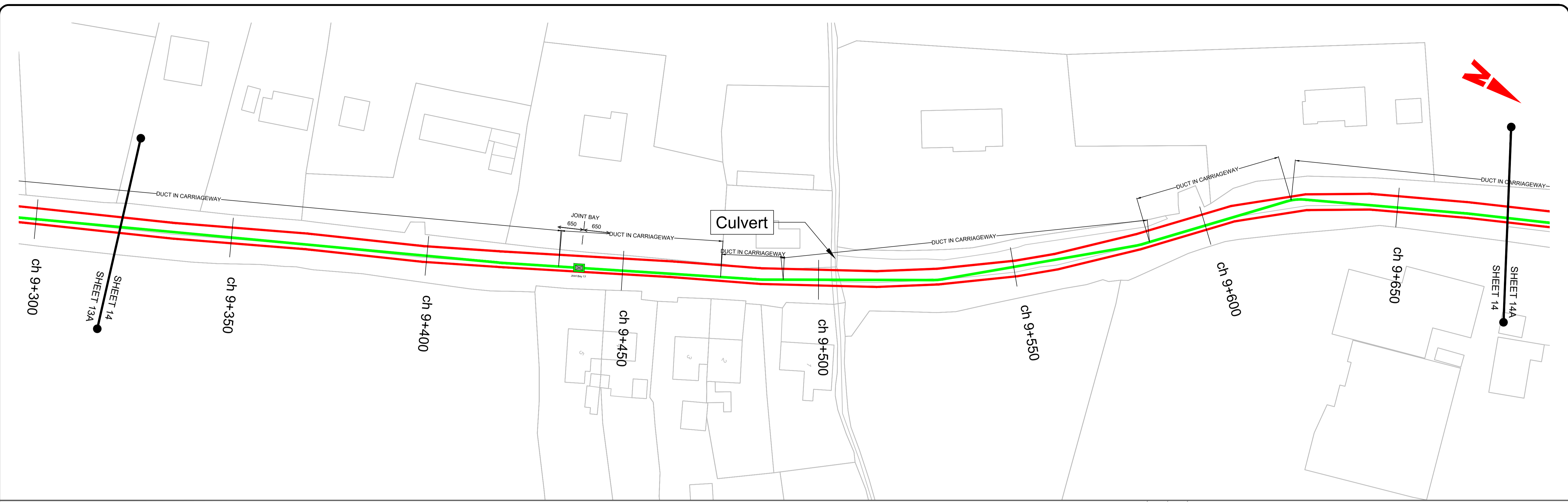


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| Drawn: | DS | Designed: | GBR | Checked: | EE | Approved: | EOC | Status: | S4 - Stage Approval |
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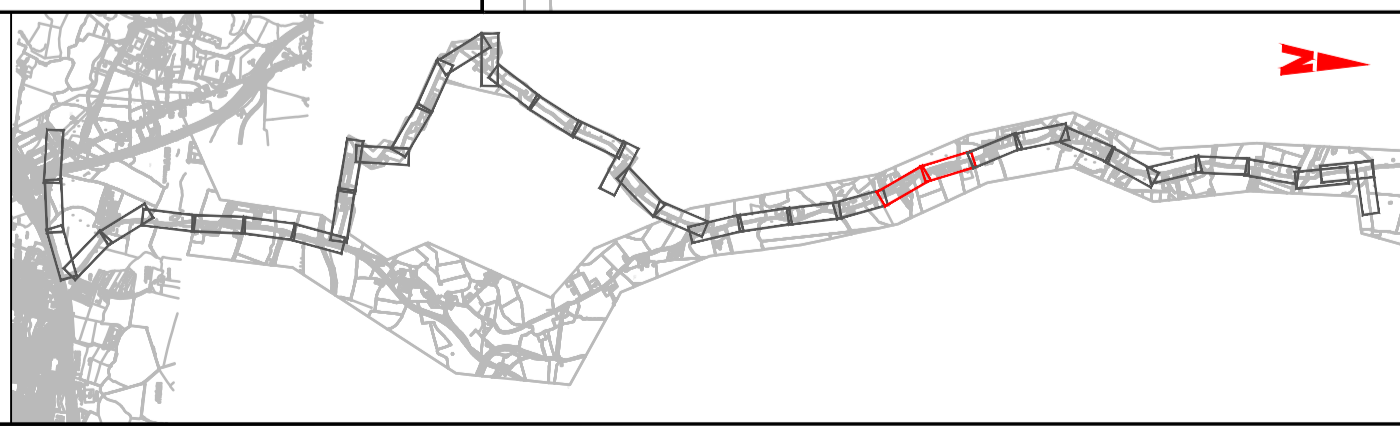
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|---|------------|--|----------|---------|--------|--------|----|
| Project Title | | Finglas to Fieldstown 110kV Cable Route Preliminary Design | | | | | |
| Drawing Title | | 110KV ROUTE PLAN LAYOUT | | | | | |
| Project Number | Originator | Volume | Location | Type | Role | Number | |
| HFGR - ROD - HUT - SW_RO - DR - CU - 300013 | | | | | | | |
| Scale (A1) | 1:500 | Date: | NOV 2023 | Job No: | 21.119 | Rev: | P2 |



LEGEND

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|--|--------------------|--|--|
| | PROPOSED JOINT BAY | | ACCESS ROAD (REFER TO HFCR-ROD-HUT-SW-RO-DR-CU-300311 FOR DETAIL) |
| | HDD ENTRY SITE | | SITE BOUNDARY LINE |
| | PROPOSED ROUTE | | DIRECTIONAL DRILL |
| | SLIT TRENCH | | BOREHOLE |



| No. | Revision | Date | By | Chkd | App'd |
|-----|-------------|----------|----|------|-------|
| P1 | PLAN LAYOUT | 9/8/2023 | DS | EE | EOC |

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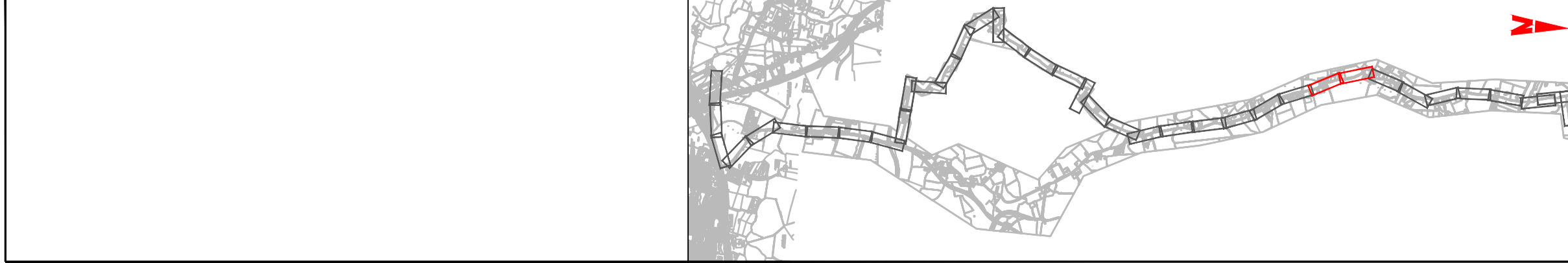
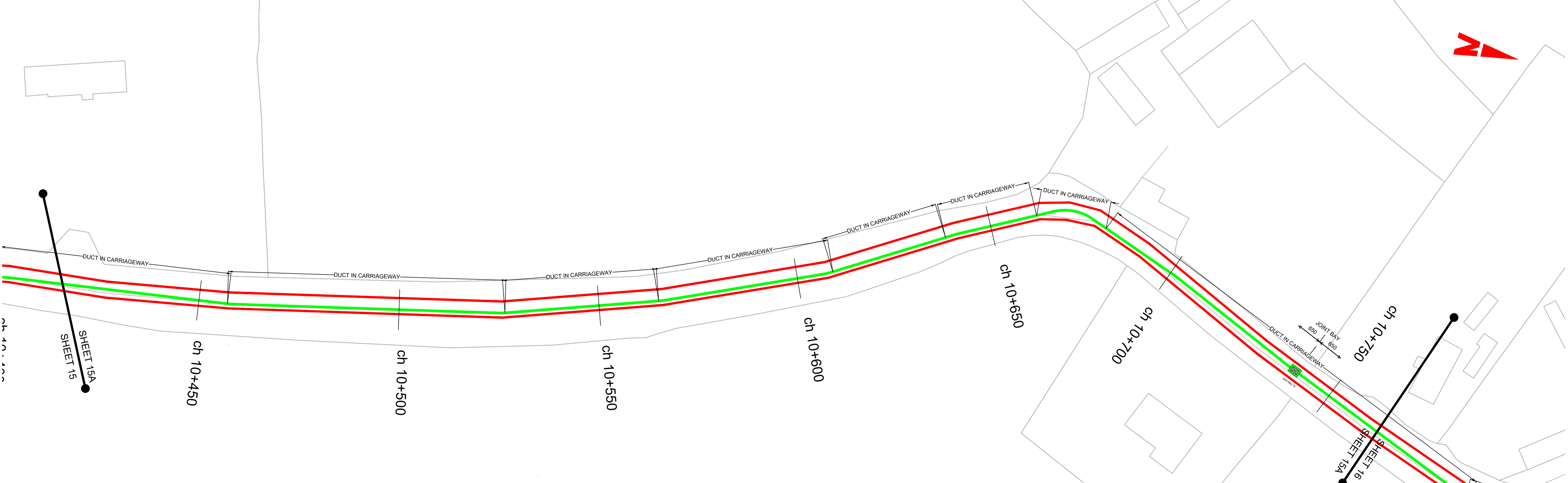
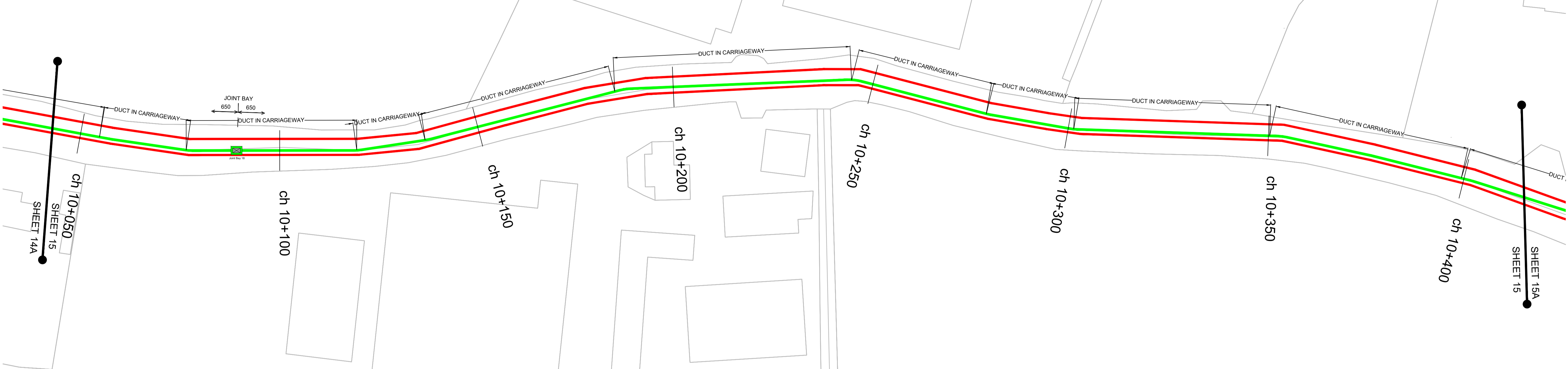
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Sandyford, Dublin 18.
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Fax : +353 1 294 0820
e-mail : info@rod.ie
Website : www.rod.ie

Drawn: DS | Designed: GBR | Checked: EE | Approved: EOC | Status: S4 - Stage Approval

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|---------------|------------|---|----------|---------|--------|--------|----|
| Project Title | | Finglas to Fieldstown 110KV Cable Route Preliminary Design | | | | | |
| Drawing Title | | 110KV ROUTE PLAN LAYOUT | | | | | |
| Project | Originator | Volume | Location | Type | Role | Number | |
| HFCR | ROD | HUT | SW_RO | DR | CU | 300014 | |
| Scale (A1) | 1:500 | Date | NOV 2023 | Job No: | 21.119 | Rev: | P2 |

LEGEND

- PROPOSED JOINT BAY
- HDD ENTRY SITE
- PROPOSED ROUTE
- SLIT TRENCH
- ACCESS ROAD (REFER TO HFCR-ROD-HUT-SW_RO-DR-CU-300311 FOR DETAIL)
- SITE BOUNDARY LINE
- DIRECTIONAL DRILL
- BOREHOLE



| No. | Revision | Date | By | Chkd | App'd |
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| P1 | PLAN LAYOUT | 9/8/2023 | DS | EE | EOC |

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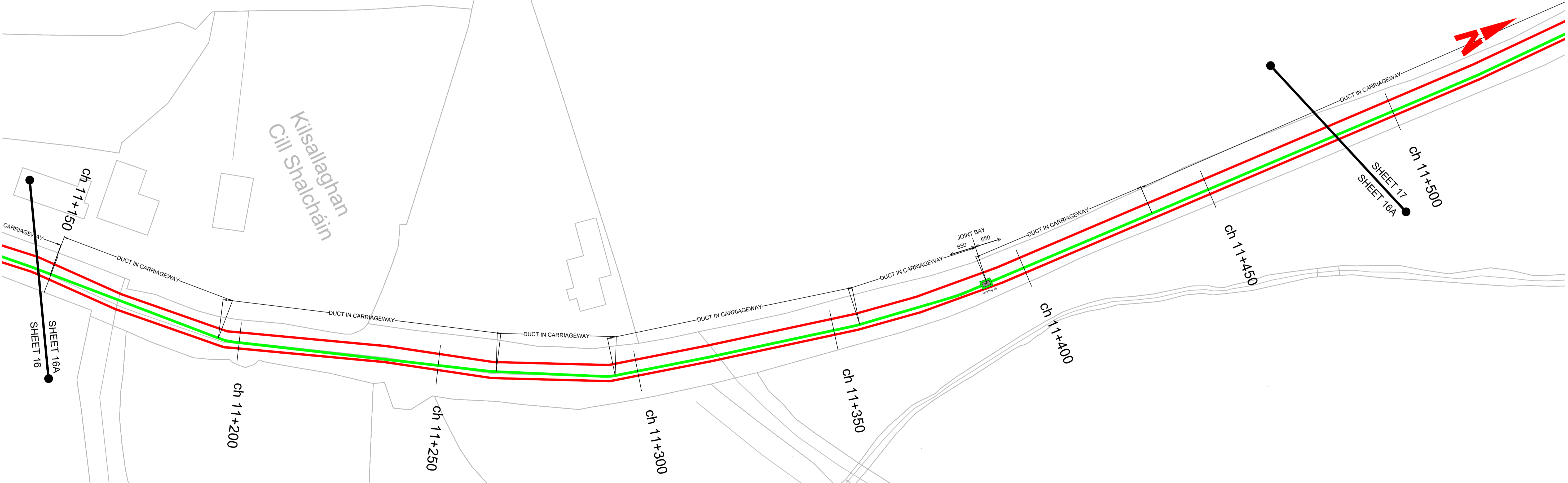
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Drawn: DS | Designed: GBR | Checked: EE | Approved: EOC | Status: S4 - Stage Approval

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|---------------|------------|--|----------|---------|--------|--------|----|
| Project Title | | Finglas to Fieldstown 110kV Cable Route Preliminary Design | | | | | |
| Drawing Title | | 110KV ROUTE PLAN LAYOUT | | | | | |
| Project | Originator | Volume | Location | Type | Role | Number | |
| HFCR | ROD | HUT | SW_RO | DR | CU | 300015 | |
| Scale (A1) | 1:500 | Date: | NOV 2023 | Job No: | 21.119 | Rev: | P2 |

LEGEND

- PROPOSED JOINT BAY
- HDD ENTRY SITE
- PROPOSED ROUTE
- SLIT TRENCH
- ACCESS ROAD (REFER TO HFCR-ROD-HUT-SW_RO-DR-CU-300311 FOR DETAIL)
- SITE BOUNDARY LINE
- DIRECTIONAL DRILL
- BOREHOLE



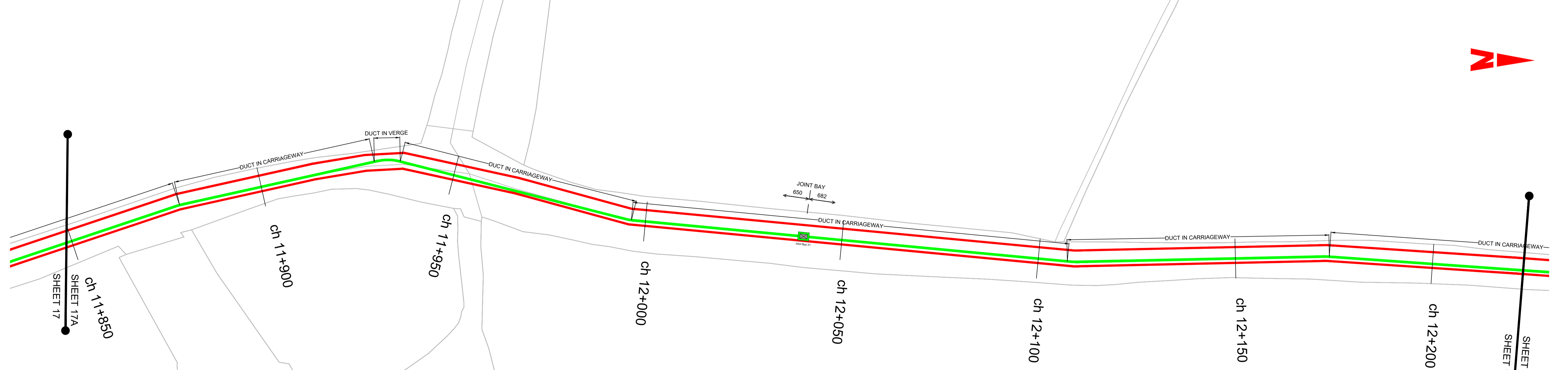
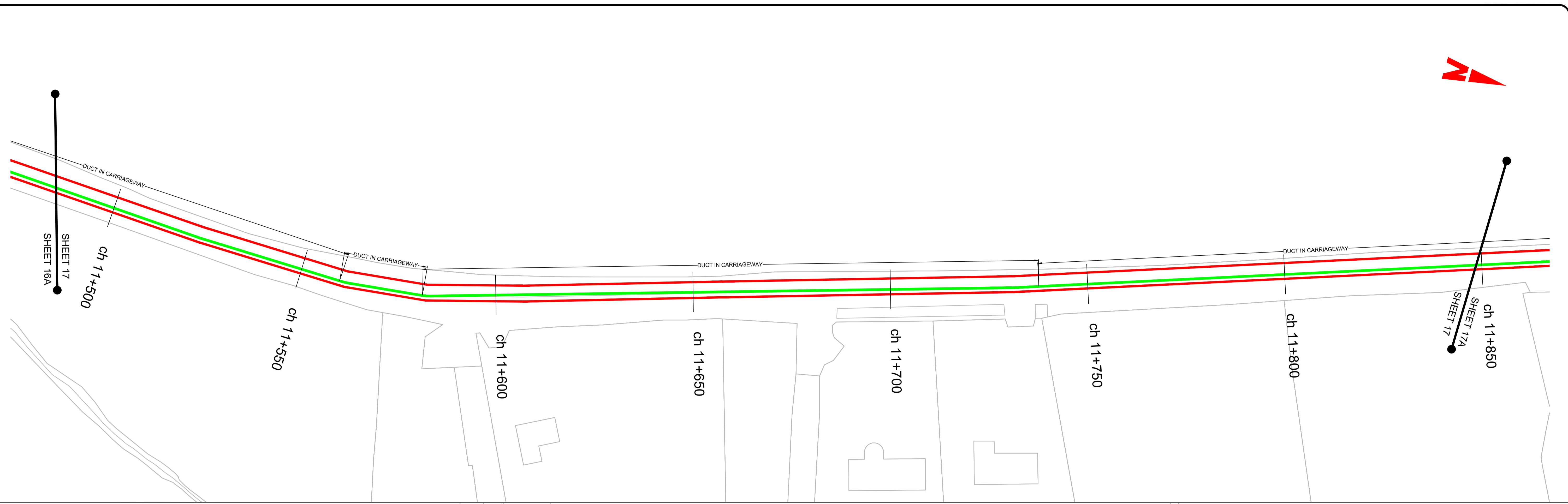
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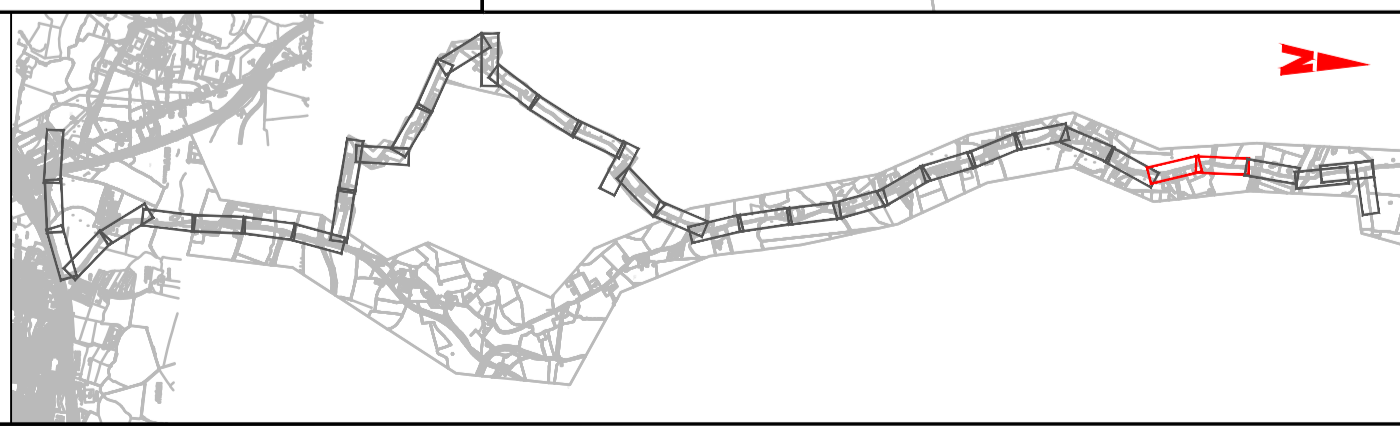
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| Project Title | | Finglas to Fieldstown 110kV Cable Route Preliminary Design | | | | | |
| Drawing Title | | 110KV ROUTE PLAN LAYOUT | | | | | |
| Project | Originator | Volume | Location | Type | Role | Number | |
| HFCR | ROD | HUT | SW_RO | DR | CU | 300016 | |
| Scale (A1) | 1:500 | Date | NOV 2023 | Job No. | 21.119 | Rev. | P2 |



LEGEND

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| | PROPOSED JOINT BAY | | ACCESS ROAD (REFER TO HFCR-ROD-HUT-SW_RO-DR-CU-300311 FOR DETAIL) |
| | HDD ENTRY SITE | | SITE BOUNDARY LINE |
| | PROPOSED ROUTE | | DIRECTIONAL DRILL |
| | SLIT TRENCH | | BOREHOLE |



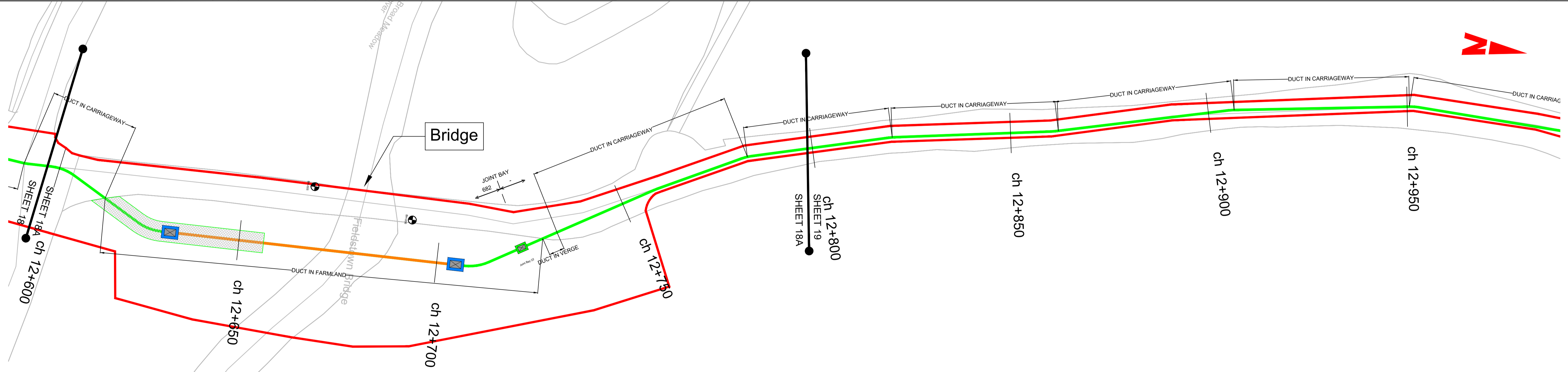
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| P1 | PLAN LAYOUT | 9/8/2023 | DS | EE | EOC |
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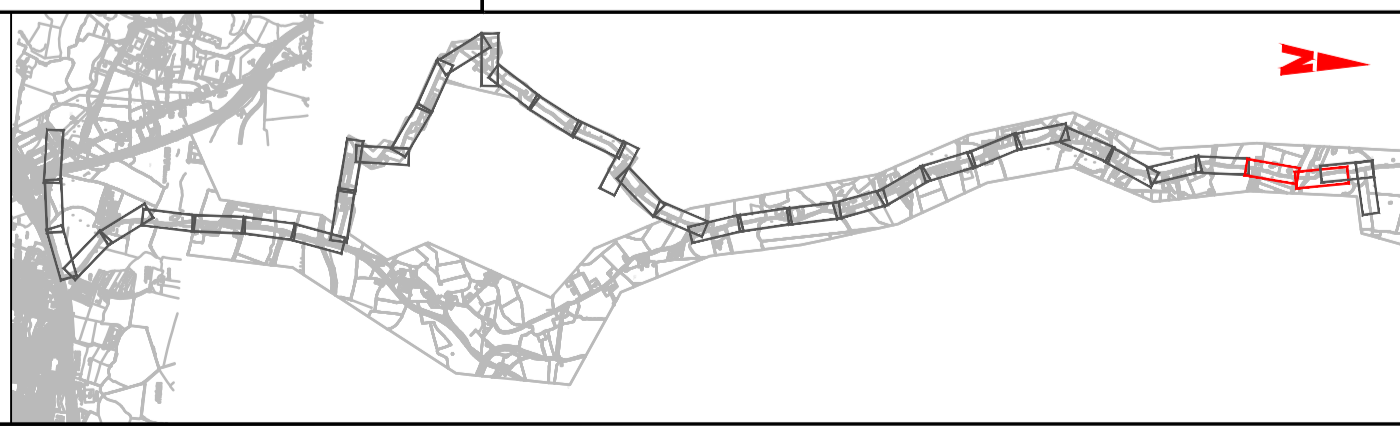
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Fax : +353 1 294 0820
e-mail : info@rod.ie
Website : www.rod.ie

Drawn: DS | Designed: GBR | Checked: EE | Approved: EOC | Status: S4 - Stage Approval

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| Project Title | | Finglas to Fieldstown 110kV Cable Route Preliminary Design | | | | | |
| Drawing Title | | 110KV ROUTE PLAN LAYOUT | | | | | |
| Project | Originator | Volume | Location | Type | Role | Number | |
| HFCR | ROD | HUT | SW_RO | DR | CU | 300017 | |
| Scale (A1) | 1:500 | Date: | NOV 2023 | Job No: | 21.119 | Rev: | P2 |



| LEGEND | | | |
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| | PROPOSED JOINT BAY | | ACCESS ROAD (REFER TO HFCR-ROD-HUT-SW_RO-DR-CU-300311 FOR DETAIL) |
| | HDD ENTRY SITE | | SITE BOUNDARY LINE |
| | PROPOSED ROUTE | | DIRECTIONAL DRILL |
| | SLIT TRENCH | | BOREHOLE |



| No. | Revision | Date | By | Chkd | App'd |
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| P1 | PLAN LAYOUT | 9/8/2023 | DS | EE | EOC |

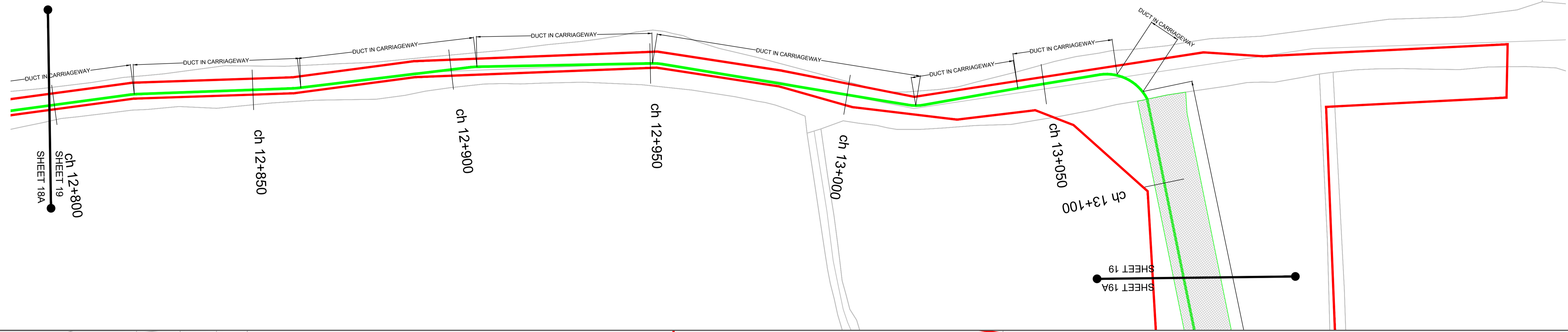
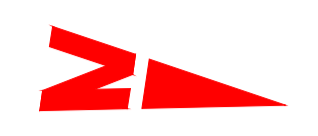
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| Project Title | | Finglas to Fieldstown 110kV Cable Route Preliminary Design | | | | | |
| Drawing Title | | 110KV ROUTE PLAN LAYOUT | | | | | |
| Project | Originator | Volume | Location | Type | Role | Number | |
| HFCR | ROD | HUT | SW_RO | DR | CU | 300018 | |
| Drawn | Designed | Checked | Approved | Status | Scale (A1) | Rev | |
| DS | GBR | EE | EOC | S4 - Stage Approval | 1:500 | P2 | |

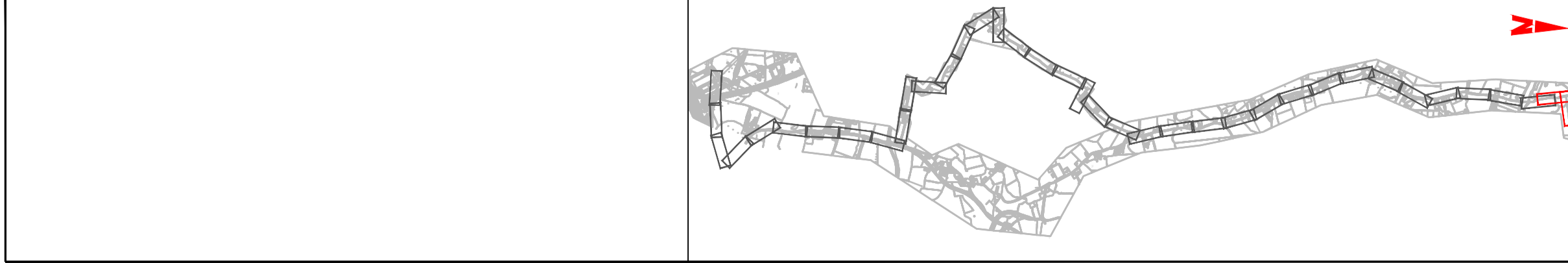
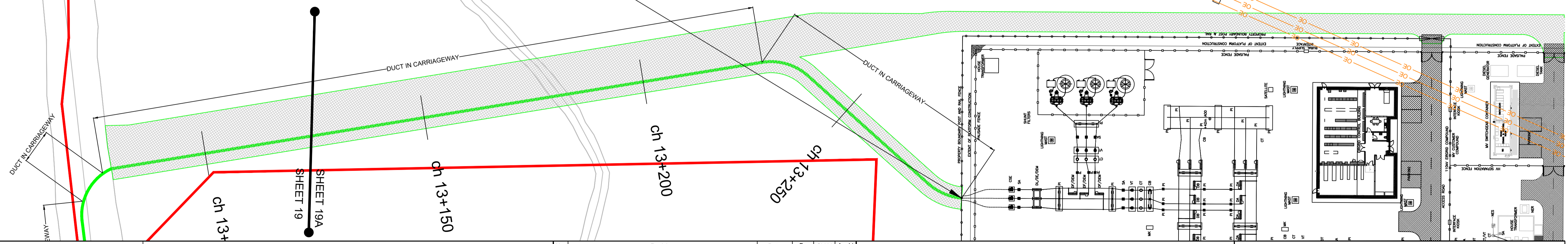
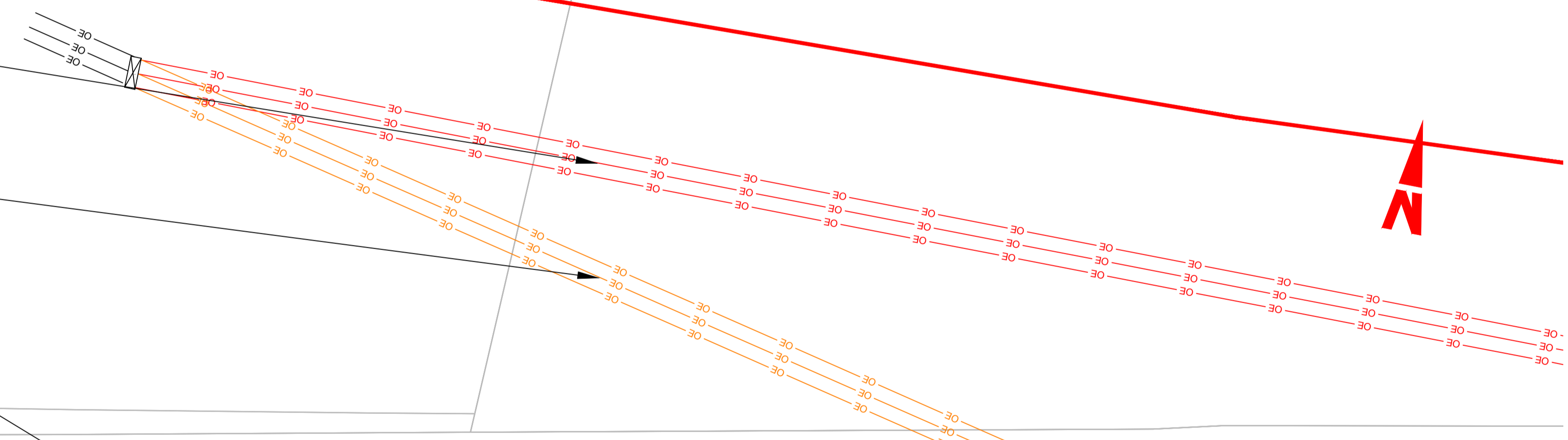
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| | HDD ENTRY SITE | | SITE BOUNDARY LINE |
| | PROPOSED ROUTE | | DIRECTIONAL DRILL |
| | SLIT TRENCH | | BOREHOLE |



PROPOSED ESB OH HV DIVERSION
(REFER TO 60657534-ACM-DWG-600 FOR DETAIL)

EXISTING ESB OH HV TO BE REMOVED (REFER TO 60657534-ACM-DWG-600 FOR DETAIL)

PROPOSED SUBSTATION SITE



| No. | Revision | Date | By | Chkd | App'd |
|-----|-------------|----------|----|------|-------|
| P1 | PLAN LAYOUT | 9/8/2023 | DS | EE | EOC |



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Sandyford, Dublin 18
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|---|------------|--|----------|---------------------|------------|----------|--|
| Project Title | | Finglas to Fieldstown 110kV Cable Route Preliminary Design | | | | | |
| Drawing Title | | 110KV ROUTE PLAN LAYOUT | | | | | |
| Project Number | Originator | Volume | Location | Type | Role | Number | |
| HFGR - ROD - HUT - SW - RO - DR - CU - 300019 | | | | | | | |
| Drawn | Designed | Checked | Approved | Status | Scale (A1) | Date | |
| DS | GBR | EE | EOC | S4 - Stage Approval | 1:500 | NOV 2023 | |
| Job No: | | Rev: | | | | | |
| 21.119 | | P2 | | | | | |