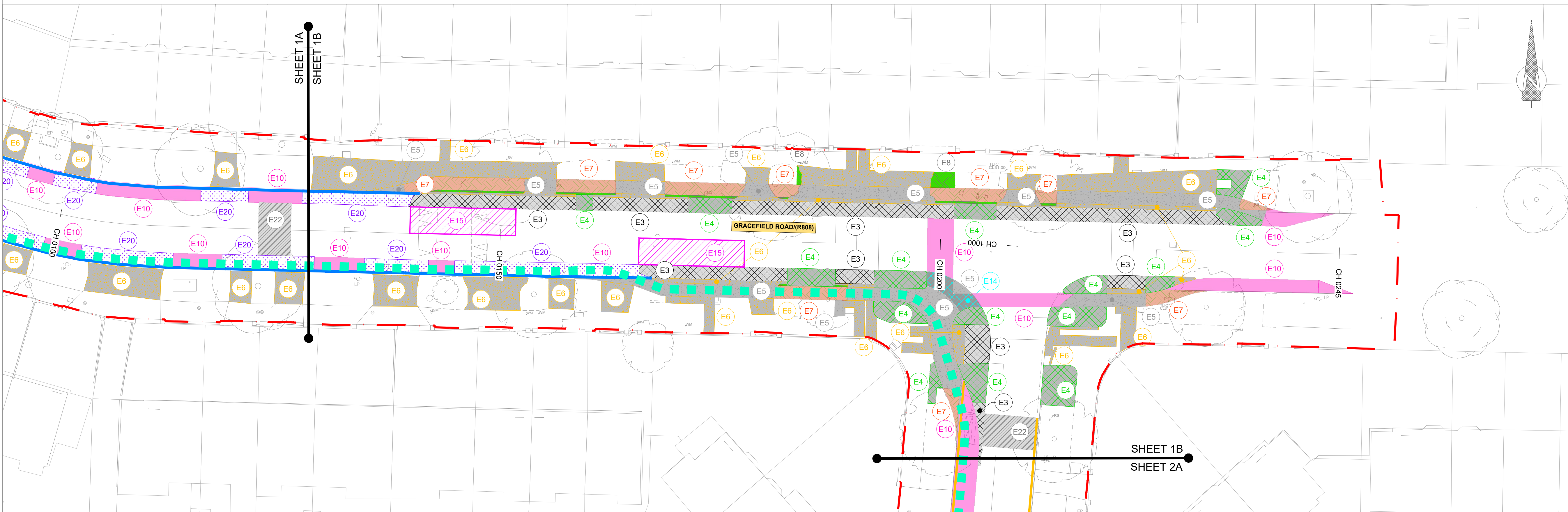
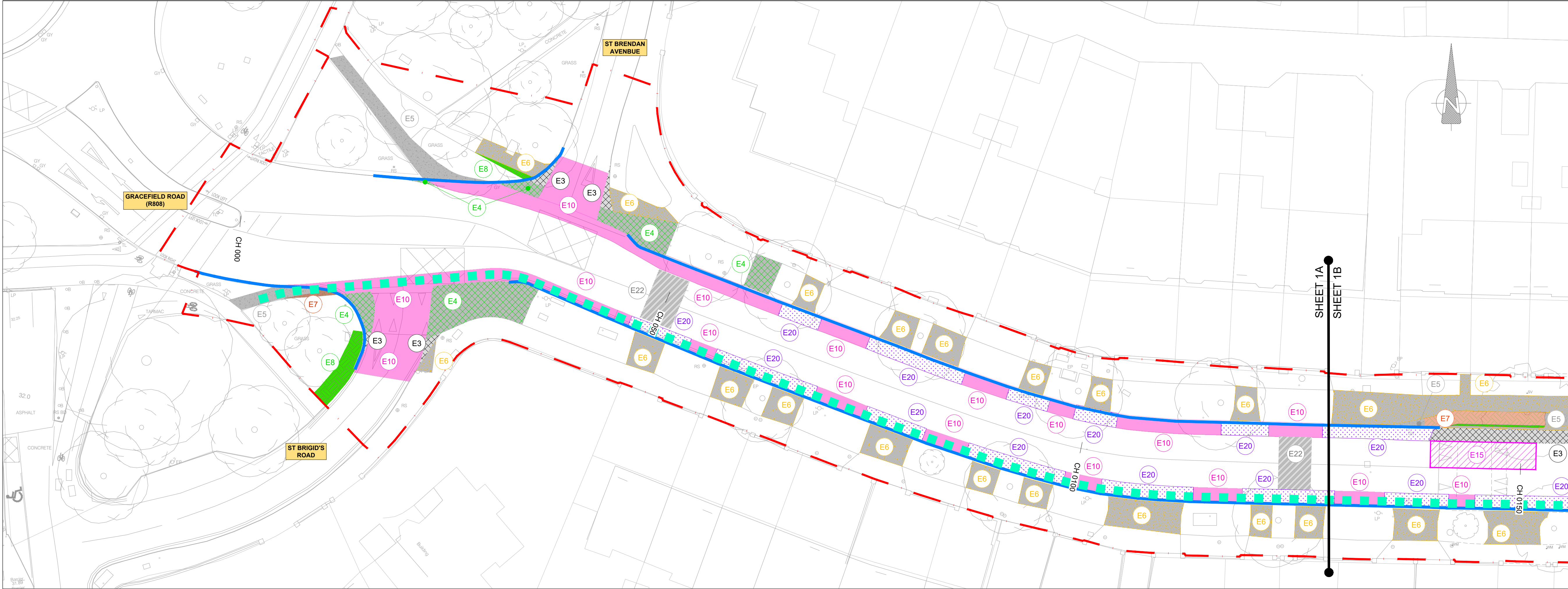




NOTES :

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- LEGEND**
- LANDS MADE AVAILABLE BY THE EMPLOYER TO BE RETAINED
  - EXISTING CONCRETE DRAINAGE CHANNEL
  - TYPE E1A FOR PLACEMENT OF UNDERGROUND FIBRE DUCTING PROPOSED TRENCH AS PER STANDARD DETAIL SERIES 1200-G.
  - TYPE E2 EXISTING CONCRETE KERB TO BE SPLAYED DOWN FOR CONSTRUCTION OF NEW CYCLE FACILITY AS PER STANDARD DETAIL 1100-L.
  - TYPE E3 BREAK OUT AND EXCAVATE EXISTING FLEXIBLE CARRIAGEWAY FOR CONSTRUCTION OF NEW CONCRETE ISLAND / FOOTPATH (UP TO A DEPTH OF 350mm)
  - TYPE E4 BREAK OUT AND EXCAVATE EXISTING FLEXIBLE CARRIAGEWAY / FOOTPATH FOR LANDSCAPING (UP TO DEPTH OF 775mm)
  - TYPE E5 BREAK OUT AND EXCAVATE EXISTING CONCRETE FOOTPATH FOR CONSTRUCTION OF NEW FLEXIBLE CARRIAGEWAY (UP TO A DEPTH OF 660mm)
  - TYPE E6 BREAK OUT AND EXCAVATE EXISTING CONCRETE FOOTPATH FOR RECONSTRUCTION (UP TO A DEPTH OF A NEW FOOTPATH)
  - TYPE E7 BREAK OUT AND EXCAVATE EXISTING GRASS VERGE FOR CONSTRUCTION OF CYCLE FACILITY
  - TYPE E8 EXCAVATE EXISTING GRASS VERGE FOR CONSTRUCTION OF NEW FOOTPATH / ISLAND
  - TYPE E9 AREA TO BE MILLED 25mm
  - TYPE E10 AREA TO BE MILLED 40mm
  - TYPE E11 BREAK OUT EXISTING CONCRETE CARRIAGEWAY FOR CONSTRUCTION OF NEW CYCLE TRACK
  - TYPE E12 BREAK OUT AND EXCAVATE EXISTING CONCRETE CARRIAGEWAY FOR CONSTRUCTION OF NEW CONCRETE ISLAND / FOOTPATH (UP TO DEPTH OF 350mm)
  - TYPE E13 BREAK OUT AND EXCAVATE EXISTING CONCRETE CARRIAGEWAY FOR LANDSCAPING (UP TO DEPTH OF 775mm)
  - TYPE E14 BREAK OUT AND EXCAVATE EXISTING FLEXIBLE CARRIAGEWAY FOR CONSTRUCTION OF NEW CYCLE LANE (UP TO A DEPTH OF 400mm)
  - TYPE E15 BREAK OUT AND EXCAVATE FLEXIBLE CARRIAGEWAY FOR NEW BITUMINOUS LAYERS (UP TO A DEPTH OF 110mm)
  - TYPE E16 BREAK OUT AND EXCAVATE FLEXIBLE CARRIAGEWAY FOR NEW REINFORCED CONCRETE VEHICULAR ACCESS (UP TO A DEPTH OF 250mm)
  - TYPE E17 BREAK OUT AND EXCAVATE CONCRETE CARRIAGEWAY FOR NEW REINFORCED CONCRETE VEHICULAR ACCESS (UP TO DEPTH OF 250mm)
  - TYPE E18 AREA TO BE MILLED 50mm
  - TYPE E19 EXCAVATE EXISTING GRASS VERGE FOR CONSTRUCTION OF NEW CARRIAGEWAY
  - TYPE E20 AREA TO BE MILLED 75mm
  - TYPE E22 BREAK OUT AND EXCAVATE EXISTING CONCRETE & FLEXIBLE CARRIAGEWAY / SPEED RAMP FOR CONSTRUCTION OF NEW SPEED RAMP AS PER NTA STANDARD DETAIL NTA-TCO-0700-010
  - TYPE E23 FOR PLACEMENT OF UNDERGROUND ESB DUCTING PROPOSED TRENCH AS PER STANDARD DETAIL SERIES 1200-G.

NOTES:

1. THIS DESIGN DRAWING SERIES MUST BE READ IN CONJUNCTION WITH THE STANDARD DETAILS VOLUME, SERIES 700.

**SAFETY, HEALTH & ENVIRONMENTAL INFORMATION**

Note: The Health and Safety information shown on these drawings shall be read in conjunction with the Hazard Elimination and Risk Reduction form. The above hazard risks comprise significant site-specific risks only, which may be difficult to manage, unusual or not likely to be obvious to a contractor/operator/maintainer and is not a definitive list of all health & safety risks arising from the works.

OUTLINE SIGNIFICANT RISKS WHICH ARE OUTSIDE OF STANDARD PROCEDURES THAT MAY NOT BE IMMEDIATELY APPARENT TO DESIGNERS, CONTRACTORS OR OPERATORS

CONSTRUCTION

MAINTENANCE / CLEANING

OPERATING/USE

DECOMMISSIONING/DEMOLITION

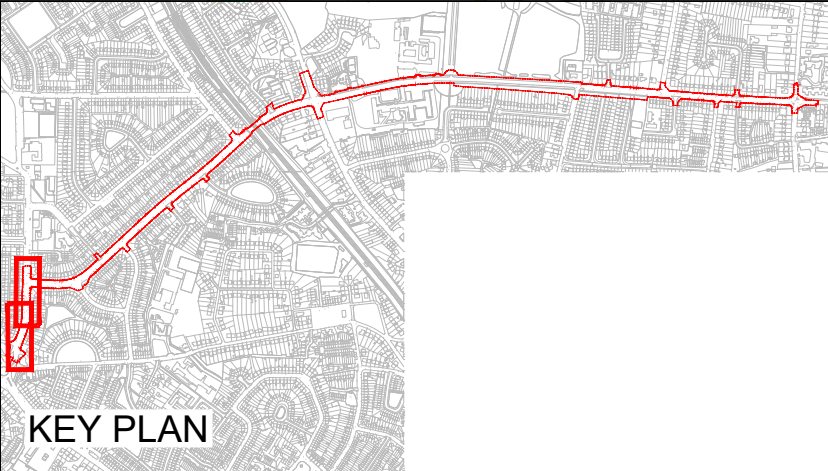


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The Active Travel Programme Office

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CHRISTOPHER MANZIRA  
ACTING PROGRAMME DIRECTOR

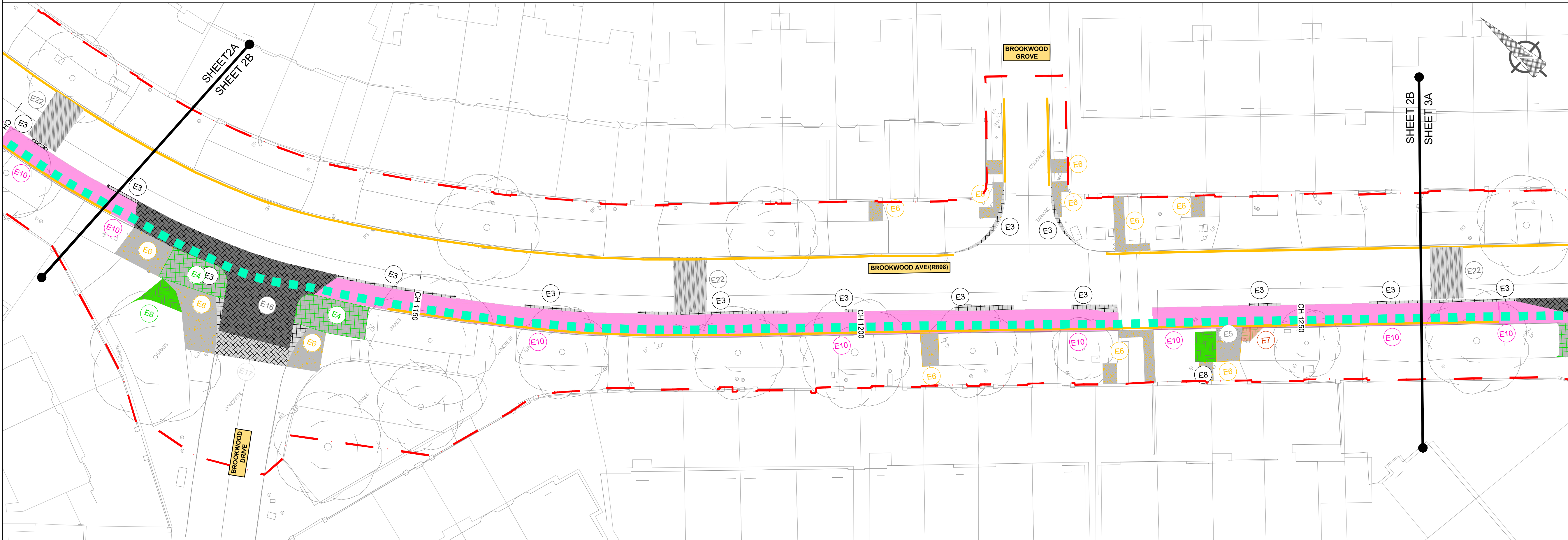
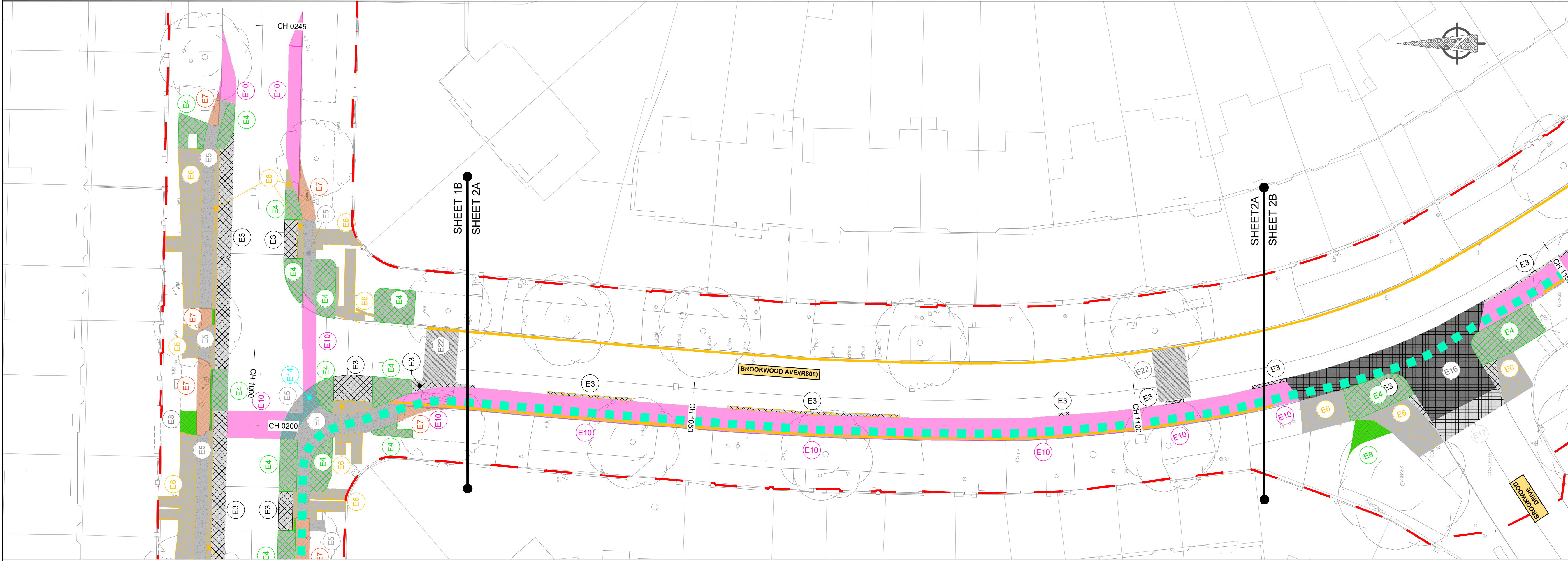


FINAL DRAFT

22/06/2026

| Stage        | Date | App'd |
|--------------|------|-------|
| PRELIMINARY  |      |       |
| APPROVAL     |      |       |
| TENDER       |      |       |
| CONSTRUCTION |      |       |

| Project Title                               |                                                     |                  |            |
|---------------------------------------------|-----------------------------------------------------|------------------|------------|
| COOLLOCK TO CLONTARF ACTIVE TRAVEL SCHEME   |                                                     |                  |            |
| SECTION 2, GRACEFIELD ROAD TO VERNON AVENUE |                                                     |                  |            |
| Drawing Title                               |                                                     |                  |            |
| DETAIL DESIGN                               |                                                     |                  |            |
| EARTHWORKS                                  |                                                     |                  |            |
| Drawn : ---                                 | Drawing No: DACT_2109b-JAC-ERW_ER-DR-CI-0600-01.dwg | Sheet : 1 of 9   | Status: S5 |
| Checked : ---                               | Job No: 210009b                                     | Date: 2026-05-18 | Rev: P01.1 |
| Reviewed : ---                              | Scale: 1:250 @ A1                                   |                  |            |
| Approved: ---                               |                                                     |                  |            |



NOTES :

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- LEGEND**
- LANDS MADE AVAILABLE BY THE EMPLOYER
  - EXISTING CONCRETE DRAINAGE CHANNEL TO BE RETAINED
  - TYPE E1A FOR PLACEMENT OF UNDERGROUND FIBRE DUCTING PROPOSED TRENCH AS PER STANDARD DETAIL SERIES 1200-G.
  - TYPE E2 EXISTING CONCRETE KERB TO BE SPALLED DOWN FOR CONSTRUCTION OF NEW CYCLE FACILITY AS PER STANDARD DETAIL 1100-L.
  - TYPE E3 BREAK OUT AND EXCAVATE EXISTING FLEXIBLE CARRIAGEWAY FOR CONSTRUCTION OF NEW CONCRETE ISLAND / FOOTPATH (UP TO A DEPTH OF 350mm)
  - TYPE E4 BREAK OUT AND EXCAVATE EXISTING FLEXIBLE CARRIAGEWAY / FOOTPATH FOR LANDSCAPING (UP TO DEPTH OF 775mm)
  - TYPE E5 BREAK OUT AND EXCAVATE EXISTING CONCRETE FOOTPATH FOR CONSTRUCTION OF NEW FLEXIBLE CARRIAGEWAY (UP TO A DEPTH OF 660mm)
  - TYPE E6 BREAK OUT AND EXCAVATE EXISTING CONCRETE FOOTPATH FOR RECONSTRUCTION (UP TO A DEPTH OF A NEW FOOTPATH)
  - TYPE E7 BREAK OUT AND EXCAVATE EXISTING GRASS VERGE FOR CONSTRUCTION OF CYCLE FACILITY
  - TYPE E8 EXCAVATE EXISTING GRASS VERGE FOR CONSTRUCTION OF NEW FOOTPATH / ISLAND
  - TYPE E9 AREA TO BE MILLED 25mm
  - TYPE E10 AREA TO BE MILLED 40mm
  - TYPE E11 BREAK OUT EXISTING CONCRETE CARRIAGEWAY FOR CONSTRUCTION OF NEW CYCLE TRACK
  - TYPE E12 BREAK OUT AND EXCAVATE EXISTING CONCRETE CARRIAGEWAY FOR CONSTRUCTION OF NEW CONCRETE ISLAND / FOOTPATH (UP TO DEPTH OF 350mm)
  - TYPE E13 BREAK OUT AND EXCAVATE EXISTING CONCRETE CARRIAGEWAY FOR LANDSCAPING (UP TO DEPTH OF 775mm)
  - TYPE E14 BREAK OUT AND EXCAVATE EXISTING FLEXIBLE CARRIAGEWAY FOR CONSTRUCTION OF NEW CYCLE LANE (UP TO A DEPTH OF 400mm)
  - TYPE E15 BREAK OUT AND EXCAVATE FLEXIBLE CARRIAGEWAY FOR NEW BITUMINOUS LAYERS (UP TO A DEPTH OF 110mm)
  - TYPE E16 BREAK OUT AND EXCAVATE FLEXIBLE CARRIAGEWAY FOR NEW REINFORCED CONCRETE VEHICULAR ACCESS (UP TO A DEPTH OF 250mm)
  - TYPE E17 BREAK OUT AND EXCAVATE CONCRETE CARRIAGEWAY FOR NEW REINFORCED CONCRETE VEHICULAR ACCESS (UP TO DEPTH OF 250mm)
  - TYPE E18 AREA TO BE MILLED 50mm
  - TYPE E19 EXCAVATE EXISTING GRASS VERGE FOR CONSTRUCTION OF NEW CARRIAGEWAY
  - TYPE E20 AREA TO BE MILLED 75mm
  - TYPE E22 BREAK OUT AND EXCAVATE EXISTING CONCRETE & FLEXIBLE CARRIAGEWAY / SPEED RAMP FOR CONSTRUCTION OF NEW SPEED RAMP AS PER NTA STANDARD DETAIL NTA-TCD-0700-010
  - TYPE E23 FOR PLACEMENT OF UNDERGROUND ESS DUCTING PROPOSED TRENCH AS PER STANDARD DETAIL SERIES 1200-G.

NOTES:

1. THIS DESIGN DRAWING SERIES MUST BE READ IN CONJUNCTION WITH THE STANDARD DETAILS VOLUME, SERIES 700.

**SAFETY, HEALTH & ENVIRONMENTAL INFORMATION**

Make: The Health and Safety information shown on these drawings shall be read in conjunction with the Hazard Identification and Risk Reduction Form. The above health and safety information is for information only and is not a definitive list of all health & safety risks arising from the works.

OUTLINE SIGNIFICANT RISKS WHICH ARE OUTSIDE OF STANDARD PROCEDURES THAT MAY NOT BE IMMEDIATELY APPARENT TO DESIGNERS, CONTRACTORS OR OPERATORS

|                            |
|----------------------------|
| CONSTRUCTION               |
| MAINTENANCE / CLEANING     |
| OPERATING/USE              |
| DECOMMISSIONING/DEMOLITION |

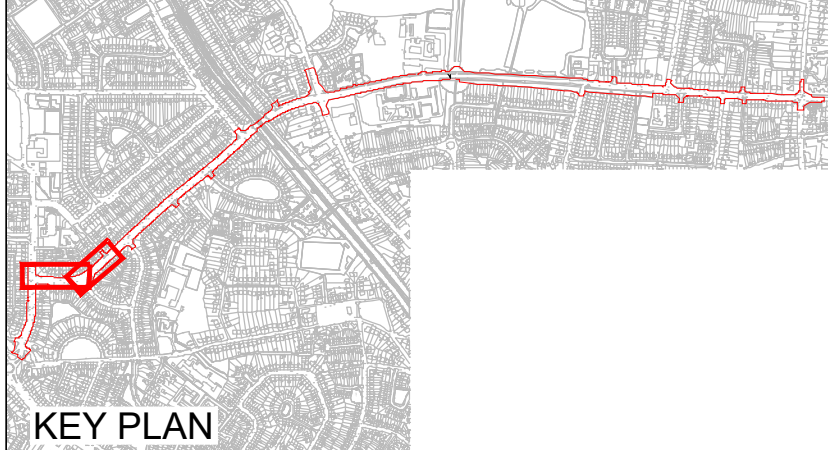


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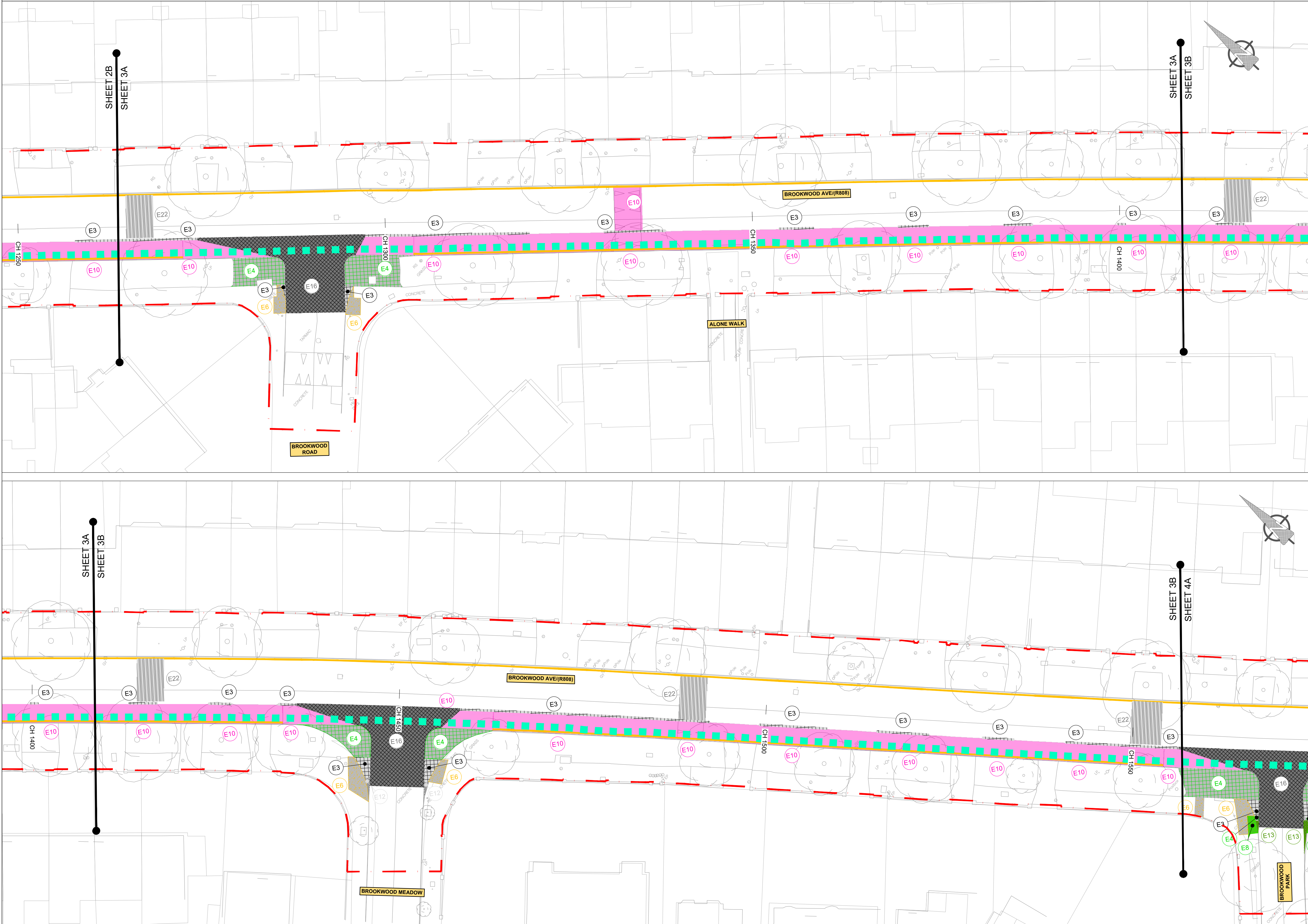
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CHRISTOPHER MANZIRA  
ACTING PROGRAMME DIRECTOR



|                |                                                     |                                                                                         |            |
|----------------|-----------------------------------------------------|-----------------------------------------------------------------------------------------|------------|
| Project Title  |                                                     | COOLOCK TO CLONTARF ACTIVE TRAVEL SCHEME<br>SECTION 2, GRACEFIELD ROAD TO VERNON AVENUE |            |
| Drawing Title  |                                                     | DETAIL DESIGN<br>EARTHWORKS                                                             |            |
| Drawn : ---    | Drawing No: DACT_2100b-JAC-ERW_ER-DR-CI-0600-02.dwg | Sheet: 2 of 9                                                                           | Status: S5 |
| Checked : ---  | Job No: 210000b                                     | Date: 2026-05-18                                                                        | Rev: P01.1 |
| Reviewed : --- | Scale: 1:250 @ A1                                   |                                                                                         |            |
| Approved: ---  |                                                     |                                                                                         |            |

|              |                |            |     |       |       |       |     |
|--------------|----------------|------------|-----|-------|-------|-------|-----|
| P01.1        | First Revision | 2026-05-18 | --- | ---   | ---   | ---   | --- |
| No.          | Revision       | Date       | Dwn | Chk'd | Rev'd | App'd |     |
| PRELIMINARY  |                |            |     |       |       |       |     |
| APPROVAL     |                |            |     |       |       |       |     |
| TENDER       |                |            |     |       |       |       |     |
| CONSTRUCTION |                |            |     |       |       |       |     |



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- LEGEND
- LANDS MADE AVAILABLE BY THE EMPLOYER
  - EXISTING CONCRETE DRAINAGE CHANNEL TO BE RETAINED
  - FOR PLACEMENT OF UNDERGROUND FIBRE DUCTING PROPOSED TRENCH AS PER STANDARD DETAIL SERIES 1200-G.
  - TYPE E1 EXISTING CONCRETE KERB TO BE SPALLED DOWN FOR CONSTRUCTION OF NEW CYCLE FACILITY AS PER STANDARD DETAIL 1100-L.
  - TYPE E2 BREAK OUT AND EXCAVATE EXISTING FLEXIBLE CARRIAGEWAY FOR CONSTRUCTION OF NEW CONCRETE ISLAND / FOOTPATH (UP TO A DEPTH OF 350mm)
  - TYPE E3 BREAK OUT AND EXCAVATE EXISTING FLEXIBLE CARRIAGEWAY / FOOTPATH FOR LANDSCAPING (UP TO DEPTH OF 775mm)
  - TYPE E4 BREAK OUT AND EXCAVATE EXISTING CONCRETE FOOTPATH FOR CONSTRUCTION OF NEW FLEXIBLE CARRIAGEWAY (UP TO A DEPTH OF 660mm)
  - TYPE E5 BREAK OUT AND EXCAVATE EXISTING CONCRETE FOOTPATH FOR RECONSTRUCTION (UP TO A DEPTH OF A NEW FOOTPATH)
  - TYPE E6 BREAK OUT AND EXCAVATE EXISTING GRASS VERGE FOR CONSTRUCTION OF CYCLE FACILITY
  - TYPE E7 EXCAVATE EXISTING GRASS VERGE FOR CONSTRUCTION OF NEW FOOTPATH / ISLAND
  - TYPE E8 AREA TO BE MILLED 25mm
  - TYPE E9 AREA TO BE MILLED 40mm
  - TYPE E10 BREAK OUT EXISTING CONCRETE CARRIAGEWAY FOR CONSTRUCTION OF NEW CYCLE TRACK
  - TYPE E11 BREAK OUT AND EXCAVATE EXISTING CONCRETE CARRIAGEWAY FOR CONSTRUCTION OF NEW CONCRETE ISLAND / FOOTPATH (UP TO DEPTH OF 350mm)
  - TYPE E12 BREAK OUT AND EXCAVATE EXISTING CONCRETE CARRIAGEWAY FOR LANDSCAPING (UP TO DEPTH OF 775mm)
  - TYPE E13 BREAK OUT AND EXCAVATE EXISTING FLEXIBLE CARRIAGEWAY FOR CONSTRUCTION OF NEW CYCLE LANE (UP TO A DEPTH OF 400mm)
  - TYPE E14 BREAK OUT AND EXCAVATE FLEXIBLE CARRIAGEWAY FOR NEW BITUMINOUS LAYERS (UP TO A DEPTH OF 110mm)
  - TYPE E15 BREAK OUT AND EXCAVATE FLEXIBLE CARRIAGEWAY FOR NEW REINFORCED CONCRETE VEHICULAR ACCESS (UP TO A DEPTH OF 250mm)
  - TYPE E16 BREAK OUT AND EXCAVATE CONCRETE CARRIAGEWAY FOR NEW REINFORCED CONCRETE VEHICULAR ACCESS (UP TO DEPTH OF 250mm)
  - TYPE E17 AREA TO BE MILLED 50mm
  - TYPE E18 EXCAVATE EXISTING GRASS VERGE FOR CONSTRUCTION OF NEW CARRIAGEWAY
  - TYPE E19 AREA TO BE MILLED 75mm
  - TYPE E20 BREAK OUT AND EXCAVATE EXISTING CONCRETE & FLEXIBLE CARRIAGEWAY / SPEED RAMP FOR CONSTRUCTION OF NEW SPEED RAMP AS PER NTA STANDARD DETAIL NTA-TC0-0700-010
  - TYPE E21 FOR PLACEMENT OF UNDERGROUND ESB DUCTING PROPOSED TRENCH AS PER STANDARD DETAIL SERIES 1200-G.

- NOTES:
1. THIS DESIGN DRAWING SERIES MUST BE READ IN CONJUNCTION WITH THE STANDARD DETAILS VOLUME, SERIES 700.
- SAFETY, HEALTH & ENVIRONMENTAL INFORMATION**
- Make: The Health and Safety information shown on these drawings shall be read in conjunction with the Hazard Identification and Risk Reduction Form. The above health and safety information is for general information only and is not a definitive list of all health and safety risks arising from the works.
- OUTLINE SIGNIFICANT RISKS WHICH ARE OUTSIDE OF STANDARD PROCEDURES THAT MAY NOT BE IMMEDIATELY APPARENT TO DESIGNERS, CONTRACTORS OR OPERATORS
- CONSTRUCTION
- MAINTENANCE / CLEANING
- OPERATING/USE
- DECOMMISSIONING/DEMOLITION

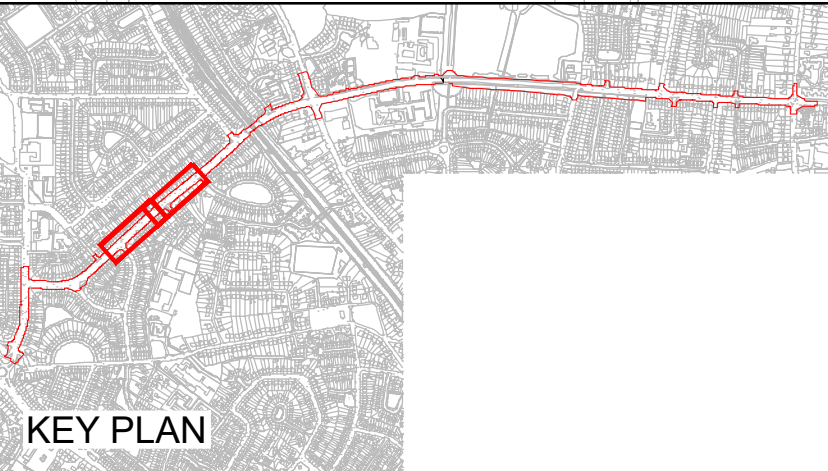


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CHRISTOPHER MANZIRA  
ACTING PROGRAMME DIRECTOR



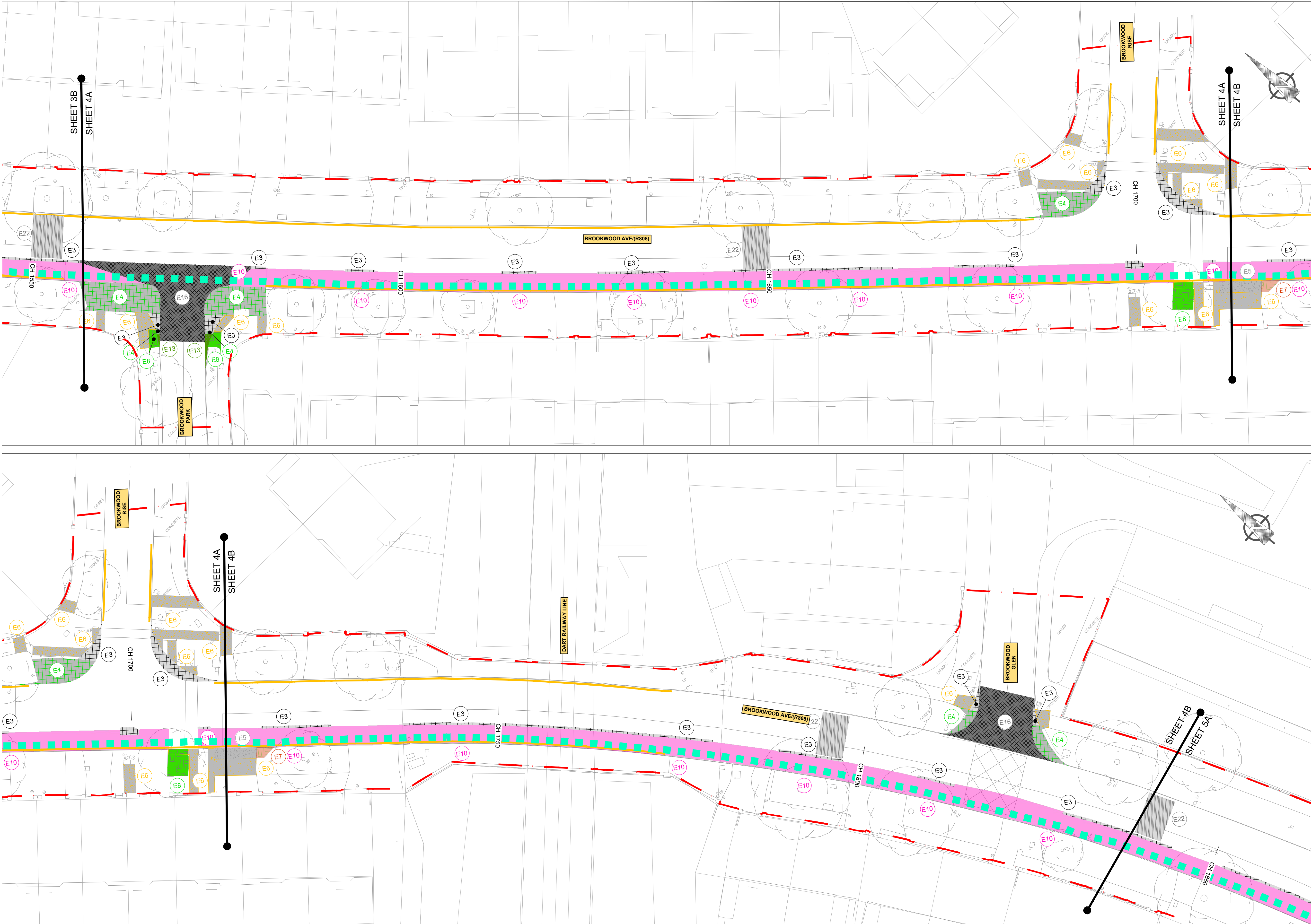
**FINAL DRAFT**  
**19/06/2026**

| Stage        | Date | App'd |
|--------------|------|-------|
| PRELIMINARY  |      |       |
| APPROVAL     |      |       |
| TENDER       |      |       |
| CONSTRUCTION |      |       |

Project Title  
**COOLLOCK TO CLONTARF ACTIVE TRAVEL SCHEME**  
**SECTION 2, GRACEFIELD ROAD TO VERNON AVENUE**

Drawing Title  
**DETAIL DESIGN**  
**EARTHWORKS**

| Drawn | Checked | Reviewed | Approved | Drawing No                              | Job No  | Scale      | Sheet      | Status |
|-------|---------|----------|----------|-----------------------------------------|---------|------------|------------|--------|
| ---   | ---     | ---      | ---      | DACT_2109b-JAC-ERW_ER-DR-CI-0600-03.dwg | 210009b | 1:250 @ A1 | of         | S5     |
|       |         |          |          |                                         |         |            | Date:      | Rev:   |
|       |         |          |          |                                         |         |            | 2026-05-18 | P01.1  |



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- LEGEND**
- LANDS MADE AVAILABLE BY THE EMPLOYER
  - EXISTING CONCRETE DRAINAGE CHANNEL TO BE RETAINED
  - TYPE E1A FOR PLACEMENT OF UNDERGROUND FIBRE DUCTING PROPOSED TRENCH AS PER STANDARD DETAIL SERIES 1200-G.
  - TYPE E2 EXISTING CONCRETE KERB TO BE SPALLED DOWN FOR CONSTRUCTION OF NEW CYCLE FACILITY AS PER STANDARD DETAIL 1100-L.
  - TYPE E3 BREAK OUT AND EXCAVATE EXISTING FLEXIBLE CARRIAGEWAY FOR CONSTRUCTION OF NEW CONCRETE ISLAND / FOOTPATH (UP TO A DEPTH OF 350mm)
  - TYPE E4 BREAK OUT AND EXCAVATE EXISTING FLEXIBLE CARRIAGEWAY / FOOTPATH FOR LANDSCAPING (UP TO DEPTH OF 775mm)
  - TYPE E5 BREAK OUT AND EXCAVATE EXISTING CONCRETE FOOTPATH FOR CONSTRUCTION OF NEW FLEXIBLE CARRIAGEWAY (UP TO A DEPTH OF 660mm)
  - TYPE E6 BREAK OUT AND EXCAVATE EXISTING CONCRETE FOOTPATH FOR RECONSTRUCTION (UP TO A DEPTH OF A NEW FOOTPATH)
  - TYPE E7 BREAK OUT AND EXCAVATE EXISTING GRASS VERGE FOR CONSTRUCTION OF CYCLE FACILITY
  - TYPE E8 EXCAVATE EXISTING GRASS VERGE FOR CONSTRUCTION OF NEW FOOTPATH / ISLAND
  - TYPE E9 AREA TO BE MILLED 25mm
  - TYPE E10 AREA TO BE MILLED 40mm
  - TYPE E11 BREAK OUT EXISTING CONCRETE CARRIAGEWAY FOR CONSTRUCTION OF NEW CYCLE TRACK
  - TYPE E12 BREAK OUT AND EXCAVATE EXISTING CONCRETE CARRIAGEWAY FOR CONSTRUCTION OF NEW CONCRETE ISLAND / FOOTPATH (UP TO DEPTH OF 350mm)
  - TYPE E13 BREAK OUT AND EXCAVATE EXISTING CONCRETE CARRIAGEWAY FOR LANDSCAPING (UP TO DEPTH OF 775mm)
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  - TYPE E15 BREAK OUT AND EXCAVATE FLEXIBLE CARRIAGEWAY FOR NEW BITUMINOUS LAYERS (UP TO A DEPTH OF 110mm)
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  - TYPE E17 BREAK OUT AND EXCAVATE CONCRETE CARRIAGEWAY FOR NEW REINFORCED CONCRETE VEHICULAR ACCESS (UP TO DEPTH OF 250mm)
  - TYPE E18 AREA TO BE MILLED 50mm
  - TYPE E19 EXCAVATE EXISTING GRASS VERGE FOR CONSTRUCTION OF NEW CARRIAGEWAY
  - TYPE E20 AREA TO BE MILLED 75mm
  - TYPE E22 BREAK OUT AND EXCAVATE EXISTING CONCRETE & FLEXIBLE CARRIAGEWAY / SPEED RAMP FOR CONSTRUCTION OF NEW SPEED RAMP AS PER NTA STANDARD DETAIL NTA-TC0-0700-010
  - TYPE E23 FOR PLACEMENT OF UNDERGROUND ESB DUCTING PROPOSED TRENCH AS PER STANDARD DETAIL SERIES 1200-G.

NOTES:

1. THIS DESIGN DRAWING SERIES MUST BE READ IN CONJUNCTION WITH THE STANDARD DETAILS VOLUME, SERIES 700.

**SAFETY, HEALTH & ENVIRONMENTAL INFORMATION**

Note: The Health and Safety information shown on these drawings shall be read in conjunction with the Hazard Identification and Risk Reduction form. The above hazard/risk codes are indicative only and are not to be used as a basis for a contractor's assessment and is not a definitive list of all health & safety risks arising from the works.

OUTLINE SIGNIFICANT RISKS WHICH ARE OUTSIDE OF STANDARD PROCEDURES THAT MAY NOT BE IMMEDIATELY APPARENT TO DESIGNERS, CONTRACTORS OR OPERATORS

| CONSTRUCTION               |
|----------------------------|
| MAINTENANCE / CLEANING     |
| OPERATING/USE              |
| DECOMMISSIONING/DEMOLITION |

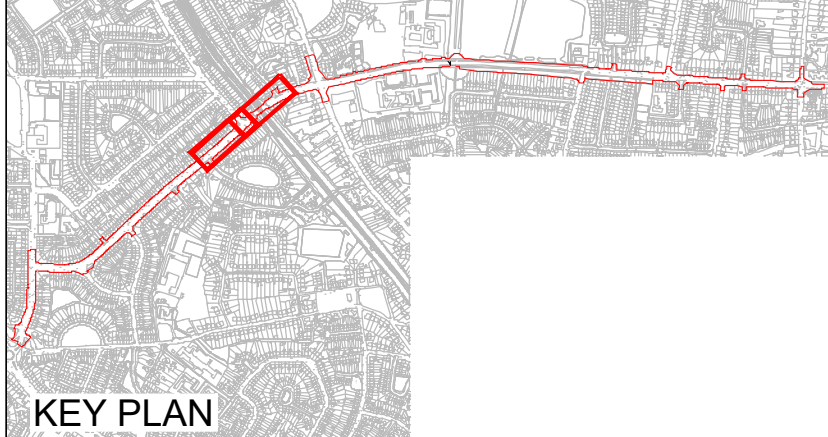


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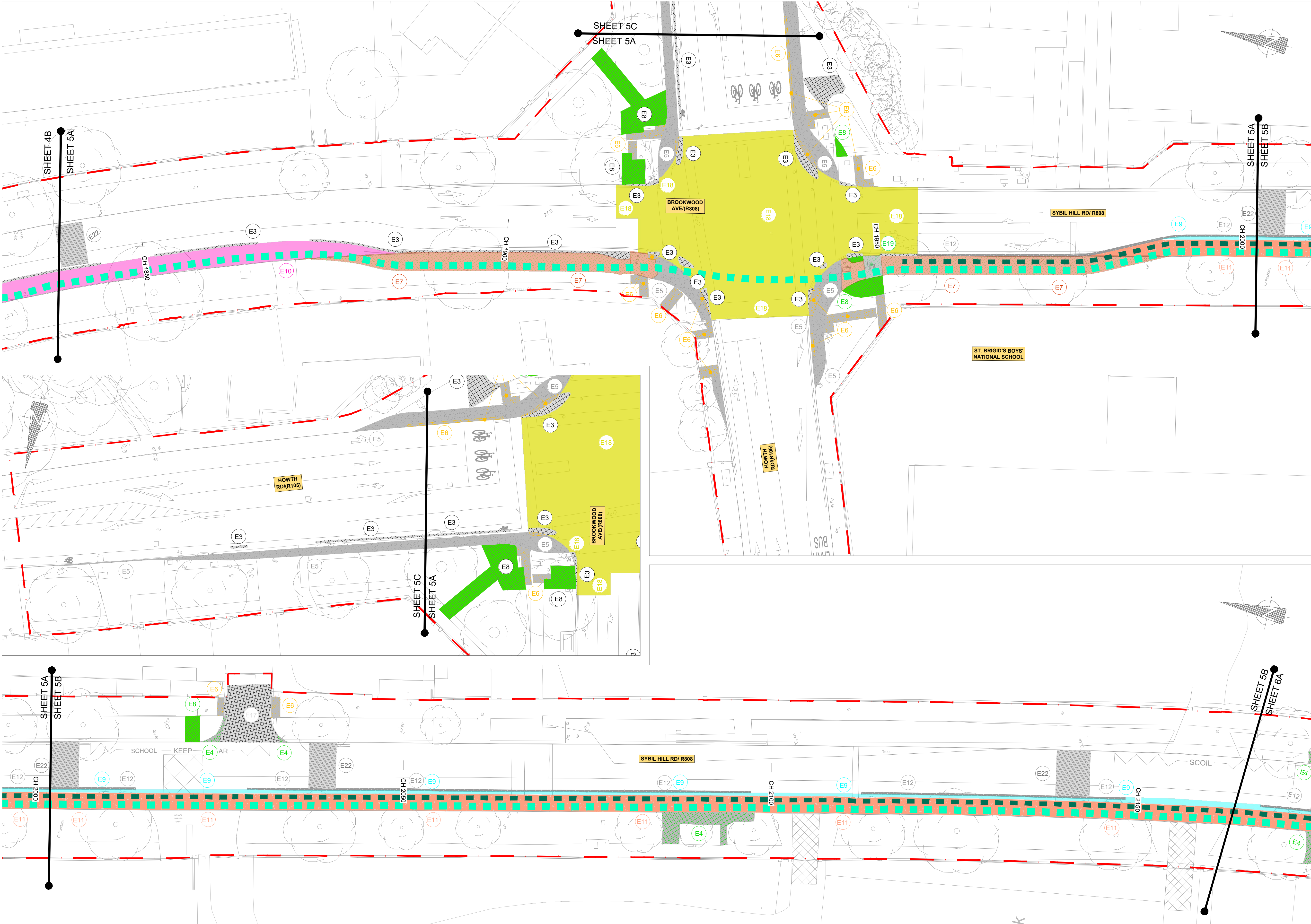
**FINAL DRAFT**  
**19/06/2026**

| Stage        | Date | App'd |
|--------------|------|-------|
| PRELIMINARY  |      |       |
| APPROVAL     |      |       |
| TENDER       |      |       |
| CONSTRUCTION |      |       |

Project Title  
**COOLLOCK TO CLONTARF ACTIVE TRAVEL SCHEME**  
**SECTION 2, GRACEFIELD ROAD TO VERNON AVENUE**

Drawing Title  
**DETAIL DESIGN**  
**EARTHWORKS**

|                |                                                     |                  |            |
|----------------|-----------------------------------------------------|------------------|------------|
| Drawn : ---    | Drawing No: DACT_2109b-JAC-ERW_ER-DR-CI-0600-04.dwg | Sheet : 4 of 9   | Status: S5 |
| Checked : ---  | Job No: 210009b                                     | Date: 2026-05-18 | Rev: P01.1 |
| Reviewed : --- | Scale: 1:250 @ A1                                   |                  |            |
| Approved: ---  |                                                     |                  |            |



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**LEGEND**

--- LANDS MADE AVAILABLE BY THE EMPLOYER

--- EXISTING CONCRETE DRAINAGE CHANNEL TO BE RETAINED

**TYPE E1A** FOR PLACEMENT OF UNDERGROUND FIBRE DUCTING PROPOSED TRENCH AS PER STANDARD DETAIL SERIES 1200-G.

**TYPE E2** EXISTING CONCRETE KERB TO BE SPALLED DOWN FOR CONSTRUCTION OF NEW CYCLE FACILITY AS PER STANDARD DETAIL 1100-L.

**TYPE E3** BREAK OUT AND EXCAVATE EXISTING FLEXIBLE CARRIAGEWAY FOR CONSTRUCTION OF NEW CONCRETE ISLAND / FOOTPATH (UP TO A DEPTH OF 350mm)

**TYPE E4** BREAK OUT AND EXCAVATE EXISTING FLEXIBLE CARRIAGEWAY / FOOTPATH FOR LANDSCAPING (UP TO A DEPTH OF 775mm)

**TYPE E5** BREAK OUT AND EXCAVATE EXISTING CONCRETE FOOTPATH FOR CONSTRUCTION OF NEW FLEXIBLE CARRIAGEWAY (UP TO A DEPTH OF 660mm)

**TYPE E6** BREAK OUT AND EXCAVATE EXISTING CONCRETE FOOTPATH FOR RECONSTRUCTION (UP TO A DEPTH OF A NEW FOOTPATH)

**TYPE E7** BREAK OUT AND EXCAVATE EXISTING GRASS VERGE FOR CONSTRUCTION OF CYCLE FACILITY

**TYPE E8** EXCAVATE EXISTING GRASS VERGE FOR CONSTRUCTION OF NEW FOOTPATH / ISLAND

**TYPE E9** AREA TO BE MILLED 25mm

**TYPE E10** AREA TO BE MILLED 40mm

**TYPE E11** BREAK OUT EXISTING CONCRETE CARRIAGEWAY FOR CONSTRUCTION OF NEW CYCLE TRACK

**TYPE E12** BREAK OUT AND EXCAVATE EXISTING CONCRETE CARRIAGEWAY FOR CONSTRUCTION OF NEW CONCRETE ISLAND / FOOTPATH (UP TO DEPTH OF 350mm)

**TYPE E13** BREAK OUT AND EXCAVATE EXISTING CONCRETE CARRIAGEWAY FOR LANDSCAPING (UP TO DEPTH OF 775mm)

**TYPE E14** BREAK OUT AND EXCAVATE EXISTING FLEXIBLE CARRIAGEWAY FOR CONSTRUCTION OF NEW CYCLE LANE (UP TO A DEPTH OF 400mm)

**TYPE E15** BREAK OUT AND EXCAVATE FLEXIBLE CARRIAGEWAY FOR NEW BITUMINOUS LAYERS (UP TO A DEPTH OF 110mm)

**TYPE E16** BREAK OUT AND EXCAVATE FLEXIBLE CARRIAGEWAY FOR NEW REINFORCED CONCRETE VEHICULAR ACCESS (UP TO A DEPTH OF 250mm)

**TYPE E17** BREAK OUT AND EXCAVATE CONCRETE CARRIAGEWAY FOR NEW REINFORCED CONCRETE VEHICULAR ACCESS (UP TO DEPTH OF 250mm)

**TYPE E18** AREA TO BE MILLED 50mm

**TYPE E19** EXCAVATE EXISTING GRASS VERGE FOR CONSTRUCTION OF NEW CARRIAGEWAY

**TYPE E20** AREA TO BE MILLED 75mm

**TYPE E22** BREAK OUT AND EXCAVATE EXISTING CONCRETE & FLEXIBLE CARRIAGEWAY / SPEED RAMP FOR CONSTRUCTION OF NEW SPEED RAMP AS PER NTA STANDARD DETAIL NTA-TCD-0700-010

**TYPE E23** FOR PLACEMENT OF UNDERGROUND ESB DUCTING PROPOSED TRENCH AS PER STANDARD DETAIL SERIES 1200-G.

**NOTES:**

1. THIS DESIGN DRAWING SERIES MUST BE READ IN CONJUNCTION WITH THE STANDARD DETAILS VOLUME, SERIES 700.

**SAFETY, HEALTH & ENVIRONMENTAL INFORMATION**

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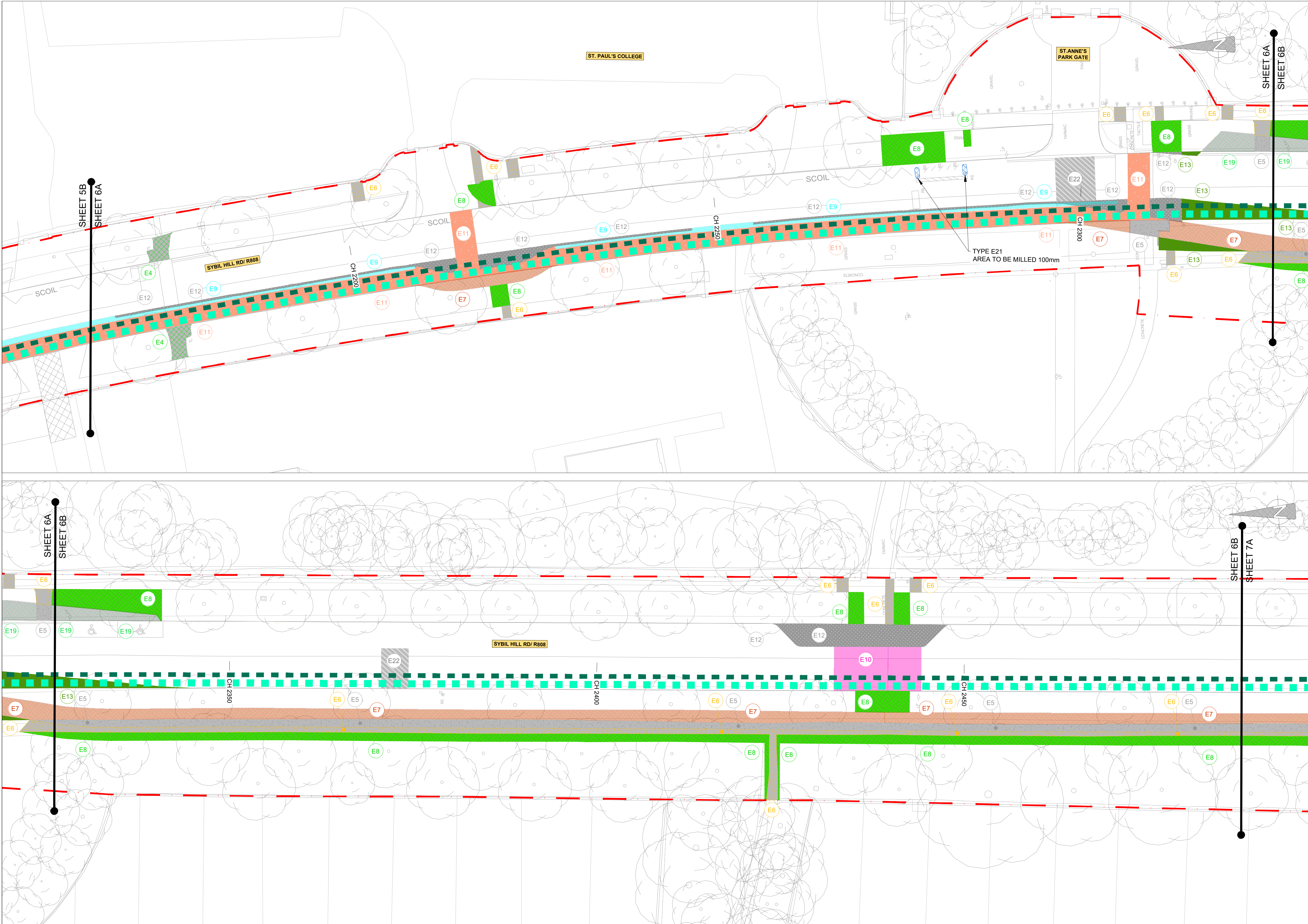
OUTLINE SIGNIFICANT RISKS WHICH ARE OUTSIDE OF STANDARD PROCEDURES THAT MAY NOT BE IMMEDIATELY APPARENT TO DESIGNERS, CONTRACTORS OR OPERATORS

CONSTRUCTION

MAINTENANCE / CLEANING

OPERATING/USE

DECOMMISSIONING/DEMOLITION



NOTES :

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- LEGEND
- LANDS MADE AVAILABLE BY THE EMPLOYER
  - EXISTING CONCRETE DRAINAGE CHANNEL TO BE RETAINED
  - TYPE E1A FOR PLACEMENT OF UNDERGROUND FIBRE DUCTING PROPOSED TRENCH AS PER STANDARD DETAIL SERIES 1200-G.
  - TYPE E2 EXISTING CONCRETE KERB TO BE SPALLED DOWN FOR CONSTRUCTION OF NEW CYCLE FACILITY AS PER STANDARD DETAIL 1100-L.
  - TYPE E3 BREAK OUT AND EXCAVATE EXISTING FLEXIBLE CARRIAGEWAY FOR CONSTRUCTION OF NEW CONCRETE ISLAND / FOOTPATH (UP TO A DEPTH OF 350mm)
  - TYPE E4 BREAK OUT AND EXCAVATE EXISTING FLEXIBLE CARRIAGEWAY / FOOTPATH FOR LANDSCAPING (UP TO DEPTH OF 775mm)
  - TYPE E5 BREAK OUT AND EXCAVATE EXISTING CONCRETE FOOTPATH FOR CONSTRUCTION OF NEW FLEXIBLE CARRIAGEWAY (UP TO A DEPTH OF 660mm)
  - TYPE E6 BREAK OUT AND EXCAVATE EXISTING CONCRETE FOOTPATH FOR RECONSTRUCTION (UP TO A DEPTH OF A NEW FOOTPATH)
  - TYPE E7 BREAK OUT AND EXCAVATE EXISTING GRASS VERGE FOR CONSTRUCTION OF CYCLE FACILITY
  - TYPE E8 EXCAVATE EXISTING GRASS VERGE FOR CONSTRUCTION OF NEW FOOTPATH / ISLAND
  - TYPE E9 AREA TO BE MILLED 25mm
  - TYPE E10 AREA TO BE MILLED 40mm
  - TYPE E11 BREAK OUT EXISTING CONCRETE CARRIAGEWAY FOR CONSTRUCTION OF NEW CYCLE TRACK
  - TYPE E12 BREAK OUT AND EXCAVATE EXISTING CONCRETE CARRIAGEWAY FOR CONSTRUCTION OF NEW CONCRETE ISLAND / FOOTPATH (UP TO DEPTH OF 350mm)
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  - TYPE E14 BREAK OUT AND EXCAVATE EXISTING FLEXIBLE CARRIAGEWAY FOR CONSTRUCTION OF NEW CYCLE LANE (UP TO A DEPTH OF 400mm)
  - TYPE E15 BREAK OUT AND EXCAVATE FLEXIBLE CARRIAGEWAY FOR NEW BITUMINOUS LAYERS (UP TO A DEPTH OF 110mm)
  - TYPE E16 BREAK OUT AND EXCAVATE FLEXIBLE CARRIAGEWAY FOR NEW REINFORCED CONCRETE VEHICULAR ACCESS (UP TO A DEPTH OF 250mm)
  - TYPE E17 BREAK OUT AND EXCAVATE CONCRETE CARRIAGEWAY FOR NEW REINFORCED CONCRETE VEHICULAR ACCESS (UP TO DEPTH OF 250mm)
  - TYPE E18 AREA TO BE MILLED 50mm
  - TYPE E19 EXCAVATE EXISTING GRASS VERGE FOR CONSTRUCTION OF NEW CARRIAGEWAY
  - TYPE E20 AREA TO BE MILLED 75mm
  - TYPE E22 BREAK OUT AND EXCAVATE EXISTING CONCRETE & FLEXIBLE CARRIAGEWAY / SPEED RAMP FOR CONSTRUCTION OF NEW SPEED RAMP AS PER NTA STANDARD DETAIL NTA-TCD-0700-010
  - TYPE E23 FOR PLACEMENT OF UNDERGROUND ESS DUCTING PROPOSED TRENCH AS PER STANDARD DETAIL SERIES 1200-G.

NOTES:

1. THIS DESIGN DRAWING SERIES MUST BE READ IN CONJUNCTION WITH THE STANDARD DETAILS VOLUME, SERIES 700.

SAFETY, HEALTH & ENVIRONMENTAL INFORMATION

Note: The Health and Safety information shown on these drawings shall be read in conjunction with the Hazard Identification and Risk Reduction Form. The above hazard/risk ratings are indicative only and are not to be used as a basis for any specific risk assessment. It is the responsibility of the contractor to ensure that the work is carried out in a safe manner.

OUTLINE SIGNIFICANT RISKS WHICH ARE OUTSIDE OF STANDARD PROCEDURES THAT MAY NOT BE IMMEDIATELY APPARENT TO DESIGNERS, CONTRACTORS OR OPERATORS

CONSTRUCTION

MAINTENANCE / CLEANING

OPERATING/USE

DECOMMISSIONING/DEMOLITION

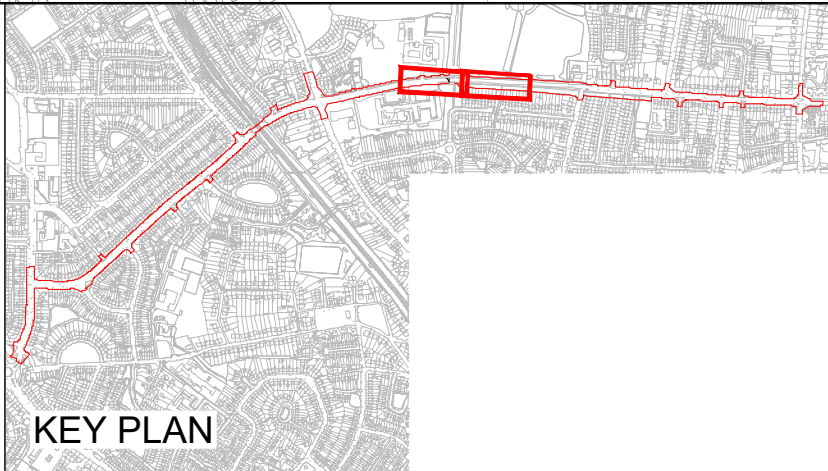


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The Active Travel Programme Office

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CHRISTOPHER MANZIRA  
ACTING PROGRAMME DIRECTOR



FINAL DRAFT  
19/06/2026

| Stage        | Date | App'd |
|--------------|------|-------|
| PRELIMINARY  |      |       |
| APPROVAL     |      |       |
| TENDER       |      |       |
| CONSTRUCTION |      |       |

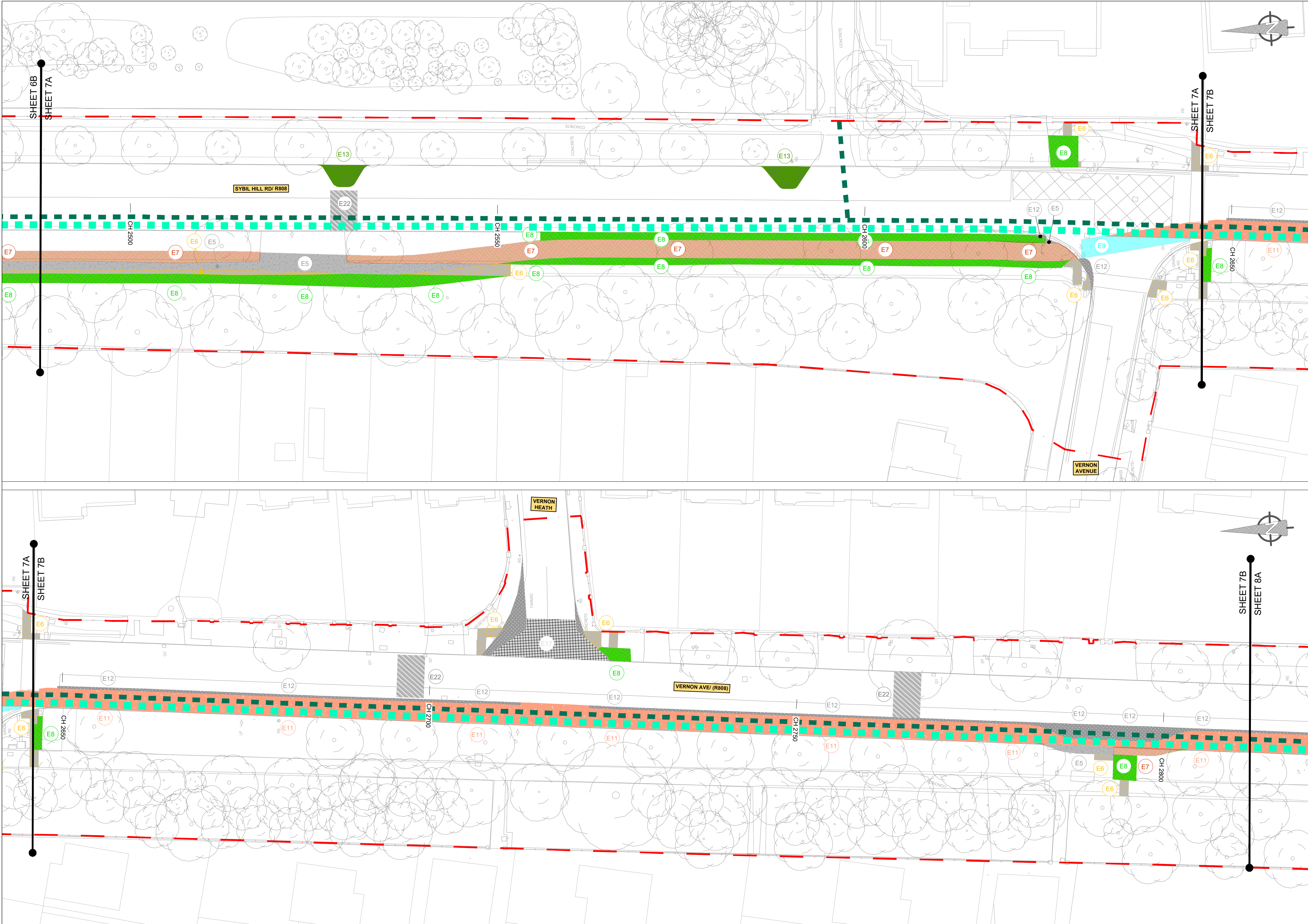
Project Title  
COOLLOCK TO CLONTARF ACTIVE TRAVEL SCHEME  
SECTION 2, GRACEFIELD ROAD TO VERNON AVENUE

Drawing Title  
DETAIL DESIGN  
EARTHWORKS

| Drawn | Checked | Reviewed | Approved |
|-------|---------|----------|----------|
| ---   | ---     | ---      | ---      |

| Sheet  | Status |
|--------|--------|
| 6 of 9 | S5     |

| Date       | Rev   |
|------------|-------|
| 2026-05-18 | P01.1 |



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- LEGEND**
- LANDS MADE AVAILABLE BY THE EMPLOYER
  - EXISTING CONCRETE DRAINAGE CHANNEL TO BE RETAINED
  - TYPE E1 FOR PLACEMENT OF UNDERGROUND FIBRE DUCTING PROPOSED TRENCH AS PER STANDARD DETAIL SERIES 1200-G.
  - TYPE E2 EXISTING CONCRETE KERB TO BE SPALLED DOWN FOR CONSTRUCTION OF NEW CYCLE FACILITY AS PER STANDARD DETAIL 1100-L.
  - TYPE E3 BREAK OUT AND EXCAVATE EXISTING FLEXIBLE CARRIAGEWAY FOR CONSTRUCTION OF NEW CONCRETE ISLAND / FOOTPATH (UP TO A DEPTH OF 350mm)
  - TYPE E4 BREAK OUT AND EXCAVATE EXISTING FLEXIBLE CARRIAGEWAY / FOOTPATH FOR LANDSCAPING (UP TO DEPTH OF 75mm)
  - TYPE E5 BREAK OUT AND EXCAVATE EXISTING CONCRETE FOOTPATH FOR CONSTRUCTION OF NEW FLEXIBLE CARRIAGEWAY (UP TO A DEPTH OF 660mm)
  - TYPE E6 BREAK OUT AND EXCAVATE EXISTING CONCRETE FOOTPATH FOR RECONSTRUCTION (UP TO A DEPTH OF A NEW FOOTPATH)
  - TYPE E7 BREAK OUT AND EXCAVATE EXISTING GRASS VERGE FOR CONSTRUCTION OF CYCLE FACILITY
  - TYPE E8 EXCAVATE EXISTING GRASS VERGE FOR CONSTRUCTION OF NEW FOOTPATH / ISLAND
  - TYPE E9 AREA TO BE MILLED 25mm
  - TYPE E10 AREA TO BE MILLED 40mm
  - TYPE E11 BREAK OUT EXISTING CONCRETE CARRIAGEWAY FOR CONSTRUCTION OF NEW CYCLE TRACK
  - TYPE E12 BREAK OUT AND EXCAVATE EXISTING CONCRETE CARRIAGEWAY FOR CONSTRUCTION OF NEW CONCRETE ISLAND / FOOTPATH (UP TO DEPTH OF 350mm)
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  - TYPE E15 BREAK OUT AND EXCAVATE FLEXIBLE CARRIAGEWAY FOR NEW BITUMINOUS LAYERS (UP TO A DEPTH OF 110mm)
  - TYPE E16 BREAK OUT AND EXCAVATE FLEXIBLE CARRIAGEWAY FOR NEW REINFORCED CONCRETE VEHICULAR ACCESS (UP TO A DEPTH OF 250mm)
  - TYPE E17 BREAK OUT AND EXCAVATE CONCRETE CARRIAGEWAY FOR NEW REINFORCED CONCRETE VEHICULAR ACCESS (UP TO DEPTH OF 250mm)
  - TYPE E18 AREA TO BE MILLED 50mm
  - TYPE E19 EXCAVATE EXISTING GRASS VERGE FOR CONSTRUCTION OF NEW CARRIAGEWAY
  - TYPE E20 AREA TO BE MILLED 75mm
  - TYPE E22 BREAK OUT AND EXCAVATE EXISTING CONCRETE & FLEXIBLE CARRIAGEWAY / SPEED RAMP FOR CONSTRUCTION OF NEW SPEED RAMP AS PER NTA STANDARD DETAIL NTA-TC0-0700-010
  - TYPE E23 FOR PLACEMENT OF UNDERGROUND ESB DUCTING PROPOSED TRENCH AS PER STANDARD DETAIL SERIES 1200-G.

NOTES:

1. THIS DESIGN DRAWING SERIES MUST BE READ IN CONJUNCTION WITH THE STANDARD DETAILS VOLUME, SERIES 700.

**SAFETY, HEALTH & ENVIRONMENTAL INFORMATION**

Make: The Health and Safety information shown on these drawings shall be read in conjunction with the Hazard Identification and Risk Reduction Form. The above health and safety compliance information is specific to the project only, which may be affected by changes, use and/or not being in accordance with a contractor's operator/maintenance and is not a definitive list of all health and safety risks arising from the works.

OUTLINE SIGNIFICANT RISKS WHICH ARE OUTSIDE OF STANDARD PROCEDURES THAT MAY NOT BE IMMEDIATELY APPARENT TO DESIGNERS, CONTRACTORS OR OPERATORS

|                            |
|----------------------------|
| CONSTRUCTION               |
| MAINTENANCE / CLEANING     |
| OPERATING/USE              |
| DECOMMISSIONING/DEMOLITION |

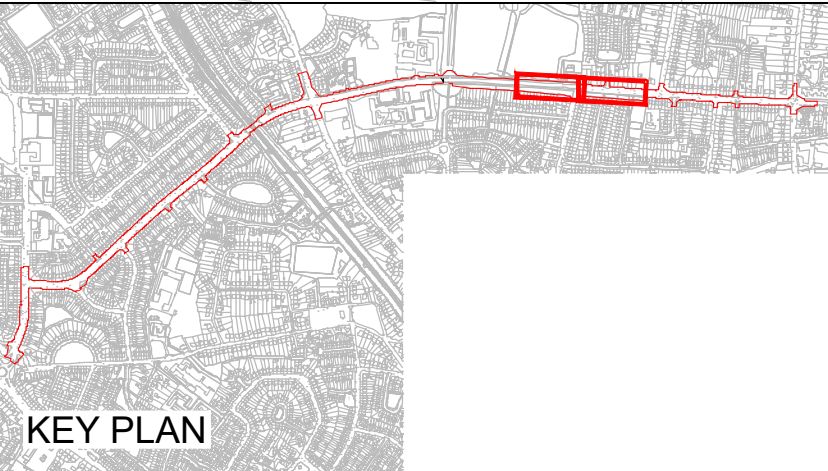


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CHRISTOPHER MANZIRA  
ACTING PROGRAMME DIRECTOR



**FINAL DRAFT**  
**19/06/2026**

| Stage        | Date | App'd |
|--------------|------|-------|
| PRELIMINARY  |      |       |
| APPROVAL     |      |       |
| TENDER       |      |       |
| CONSTRUCTION |      |       |

Project Title  
**COOLOCK TO CLONTARF ACTIVE TRAVEL SCHEME**  
**SECTION 2, GRACEFIELD ROAD TO VERNON AVENUE**

Drawing Title  
**DETAIL DESIGN**  
**EARTHWORKS**

|                |                                                     |                  |            |
|----------------|-----------------------------------------------------|------------------|------------|
| Drawn : ---    | Drawing No: DACT_2109b-JAC-ERW_ER-DR-CI-0600-07.dwg | Sheet : 7 of 9   | Status: S5 |
| Checked : ---  | Job No: 210009b                                     | Date: 2026-05-18 | Rev: P01.1 |
| Reviewed : --- | Scale: 1:250 @ A1                                   |                  |            |
| Approved: ---  |                                                     |                  |            |



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- LEGEND
- LANDS MADE AVAILABLE BY THE EMPLOYER
- EXISTING CONCRETE DRAINAGE CHANNEL TO BE RETAINED
- TYPE E1A FOR PLACEMENT OF UNDERGROUND FIBRE DUCTING PROPOSED TRENCH AS PER STANDARD DETAIL SERIES 1200-G.
- TYPE E2 EXISTING CONCRETE KERB TO BE SPLAYED DOWN FOR CONSTRUCTION OF NEW CYCLE FACILITY AS PER STANDARD DETAIL 1100-L.
- TYPE E3 BREAK OUT AND EXCAVATE EXISTING FLEXIBLE CARRIAGEWAY FOR CONSTRUCTION OF NEW CONCRETE ISLAND / FOOTPATH (UP TO A DEPTH OF 350mm)
- TYPE E4 BREAK OUT AND EXCAVATE EXISTING FLEXIBLE CARRIAGEWAY / FOOTPATH FOR LANDSCAPING (UP TO A DEPTH OF 775mm)
- TYPE E5 BREAK OUT AND EXCAVATE EXISTING CONCRETE FOOTPATH FOR CONSTRUCTION OF NEW FLEXIBLE CARRIAGEWAY (UP TO A DEPTH OF 660mm)
- TYPE E6 BREAK OUT AND EXCAVATE EXISTING CONCRETE FOOTPATH FOR RECONSTRUCTION (UP TO A DEPTH OF A NEW FOOTPATH)
- TYPE E7 BREAK OUT AND EXCAVATE EXISTING GRASS VERGE FOR CONSTRUCTION OF CYCLE FACILITY
- TYPE E8 EXCAVATE EXISTING GRASS VERGE FOR CONSTRUCTION OF NEW FOOTPATH / ISLAND
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- TYPE E23 FOR PLACEMENT OF UNDERGROUND ESB DUCTING PROPOSED TRENCH AS PER STANDARD DETAIL SERIES 1200-G.

- NOTES:
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SAFETY, HEALTH & ENVIRONMENTAL INFORMATION

Note: The Health and Safety information shown on these drawings shall be read in conjunction with the Hazard Identification and Risk Reduction Form. The above hazards/risks comprise significant risks specific to the project and are not exhaustive. It is the responsibility of the contractor to ensure that all risks are identified and managed throughout the project.

OUTLINE SIGNIFICANT RISKS WHICH ARE OUTSIDE OF STANDARD PROCEDURES THAT MAY NOT BE IMMEDIATELY APPARENT TO DESIGNERS, CONTRACTORS OR OPERATORS

| CONSTRUCTION               |
|----------------------------|
| MAINTENANCE / CLEANING     |
| OPERATING/USE              |
| DECOMMISSIONING/DEMOLITION |



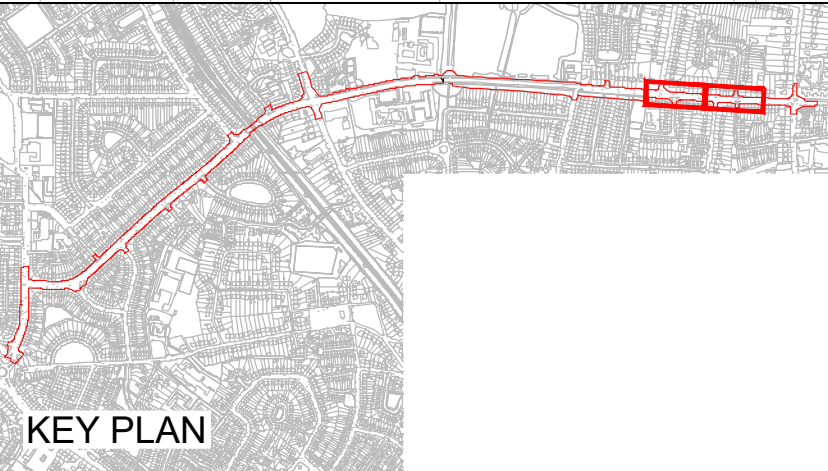
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ENVIRONMENT AND TRANSPORTATION DEPT.

**Jacobs**

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The Active Travel Programme Office

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CHRISTOPHER MANZIRA  
ACTING PROGRAMME DIRECTOR



**FINAL DRAFT**

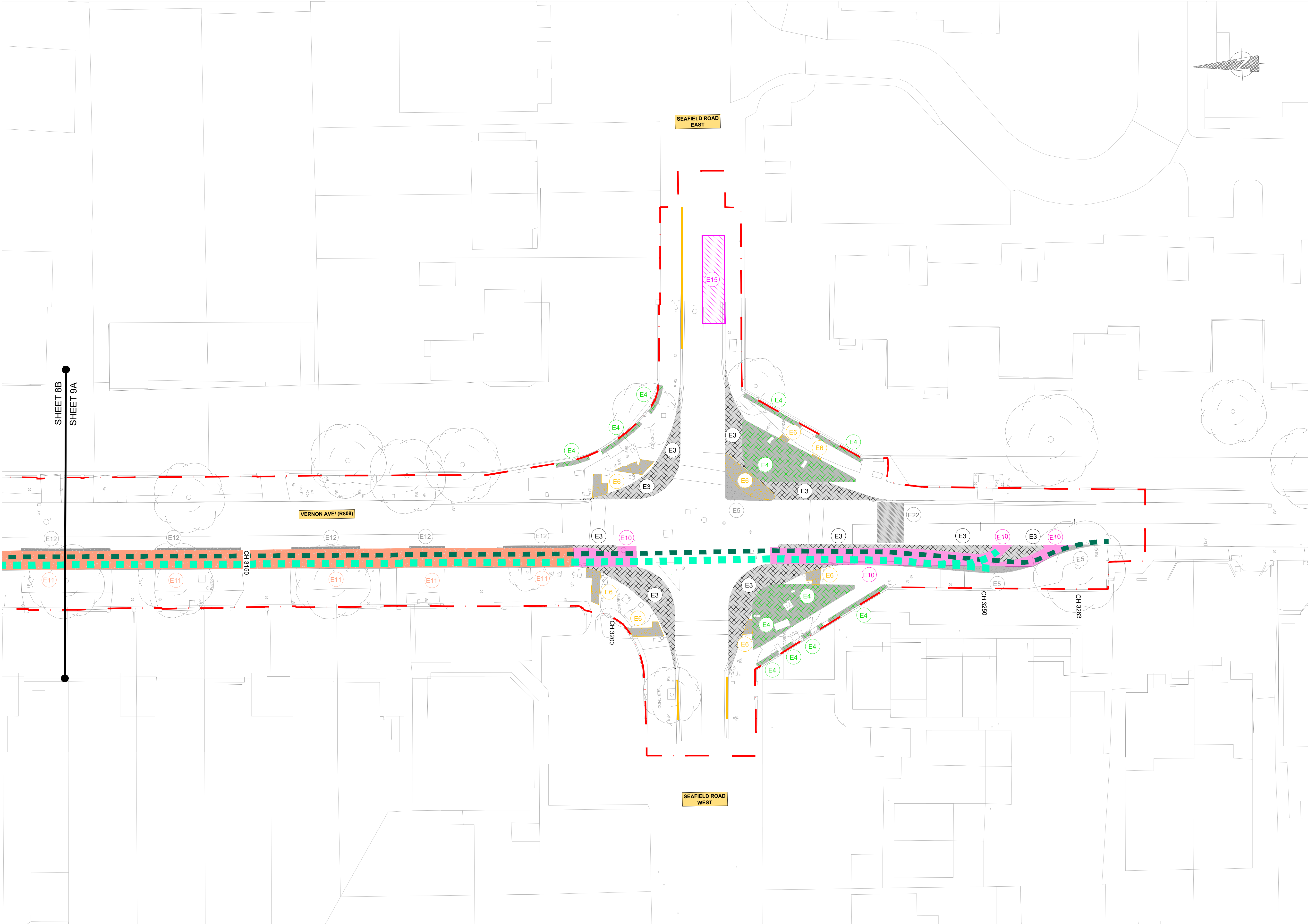
**19/06/2026**

| Stage        | Date | App'd |
|--------------|------|-------|
| PRELIMINARY  |      |       |
| APPROVAL     |      |       |
| TENDER       |      |       |
| CONSTRUCTION |      |       |

Project Title  
**COOLOCK TO CLONTARF ACTIVE TRAVEL SCHEME**  
**SECTION 2, GRACEFIELD ROAD TO VERNON AVENUE**

Drawing Title  
**DETAIL DESIGN**  
**EARTHWORKS**

|                |                                                     |                  |            |
|----------------|-----------------------------------------------------|------------------|------------|
| Drawn : ---    | Drawing No: DACT_2109b-JAC-ERW_ER-DR-CI-0600-08.dwg | Sheet : 8 of 9   | Status: S5 |
| Checked : ---  | Job No: 210009b                                     | Date: 2026-05-18 | Rev: P01.1 |
| Reviewed : --- | Scale: 1:250 @ A1                                   |                  |            |
| Approved: ---  |                                                     |                  |            |



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- LEGEND
- LANDS MADE AVAILABLE BY THE EMPLOYER
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- TYPE E1A FOR PLACEMENT OF UNDERGROUND FIBRE DUCTING PROPOSED TRENCH AS PER STANDARD DETAIL SERIES 1200-G.
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- NOTES:
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|                            |
|----------------------------|
| CONSTRUCTION               |
| MAINTENANCE / CLEANING     |
| OPERATING/USE              |
| DECOMMISSIONING/DEMOLITION |

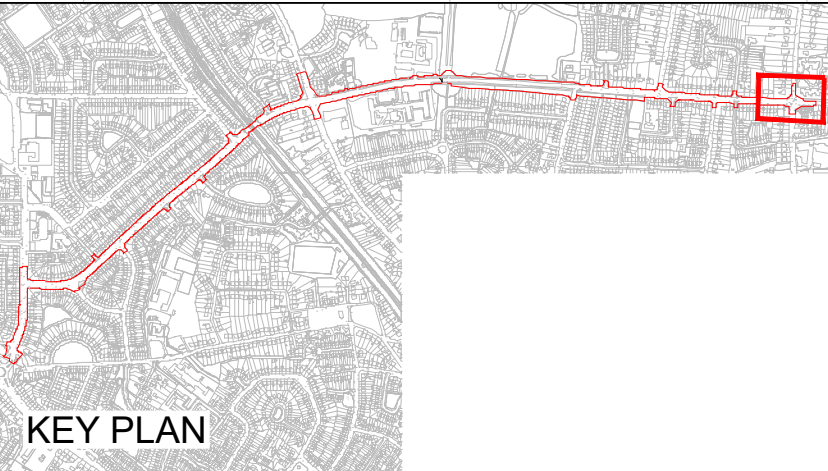


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CHRISTOPHER MANZIRA  
ACTING PROGRAMME DIRECTOR



FINAL DRAFT  
19/06/2026

| Stage        | Date | App'd |
|--------------|------|-------|
| PRELIMINARY  |      |       |
| APPROVAL     |      |       |
| TENDER       |      |       |
| CONSTRUCTION |      |       |

Project Title  
COOLLOCK TO CLONTARF ACTIVE TRAVEL SCHEME  
SECTION 2, GRACEFIELD ROAD TO VERNON AVENUE

Drawing Title  
DETAIL DESIGN  
EARTHWORKS

| Drawn | Checked | Reviewed | Approved |
|-------|---------|----------|----------|
| ---   | ---     | ---      | ---      |

| Drawing No:                             | Job No: | Scale:     |
|-----------------------------------------|---------|------------|
| DACT_2100b-JAC-ERW_ER-DR-Cl-0600-09.dwg | 210000b | 1:250 @ A1 |

| Sheet  | Status |
|--------|--------|
| 9 of 9 | S5     |

| Date:      | Rev:  |
|------------|-------|
| 2026-05-18 | P01.1 |