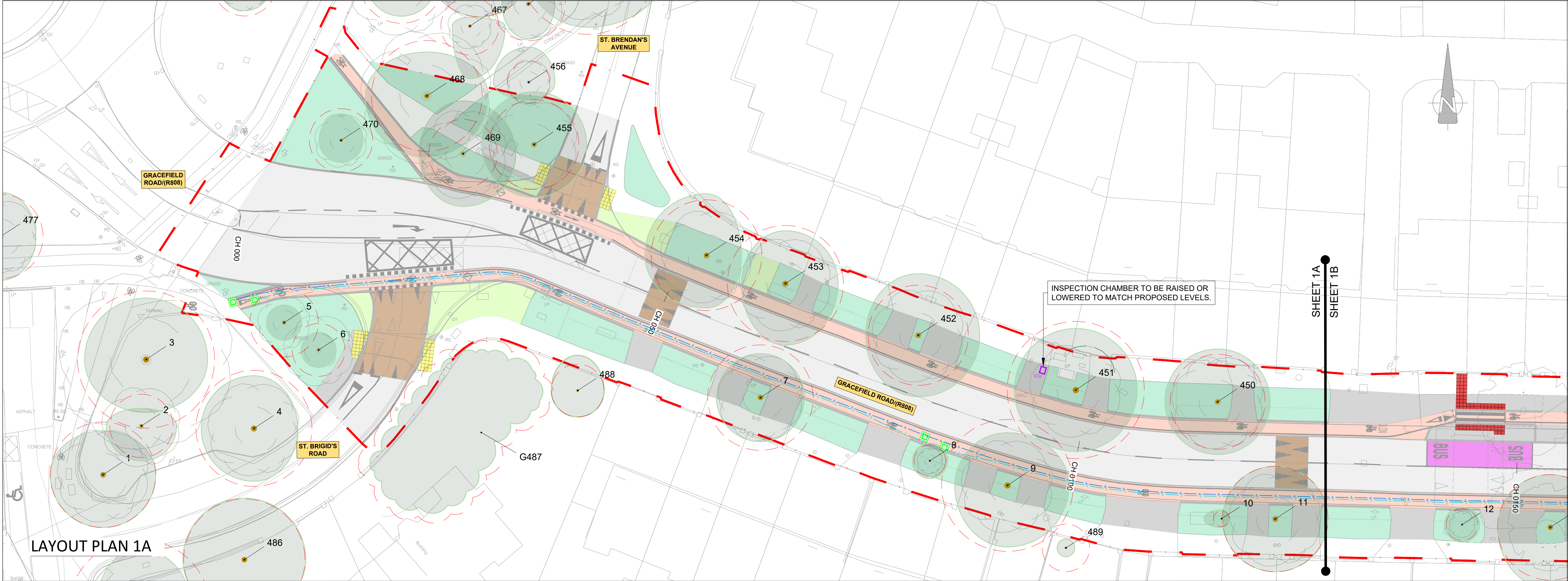
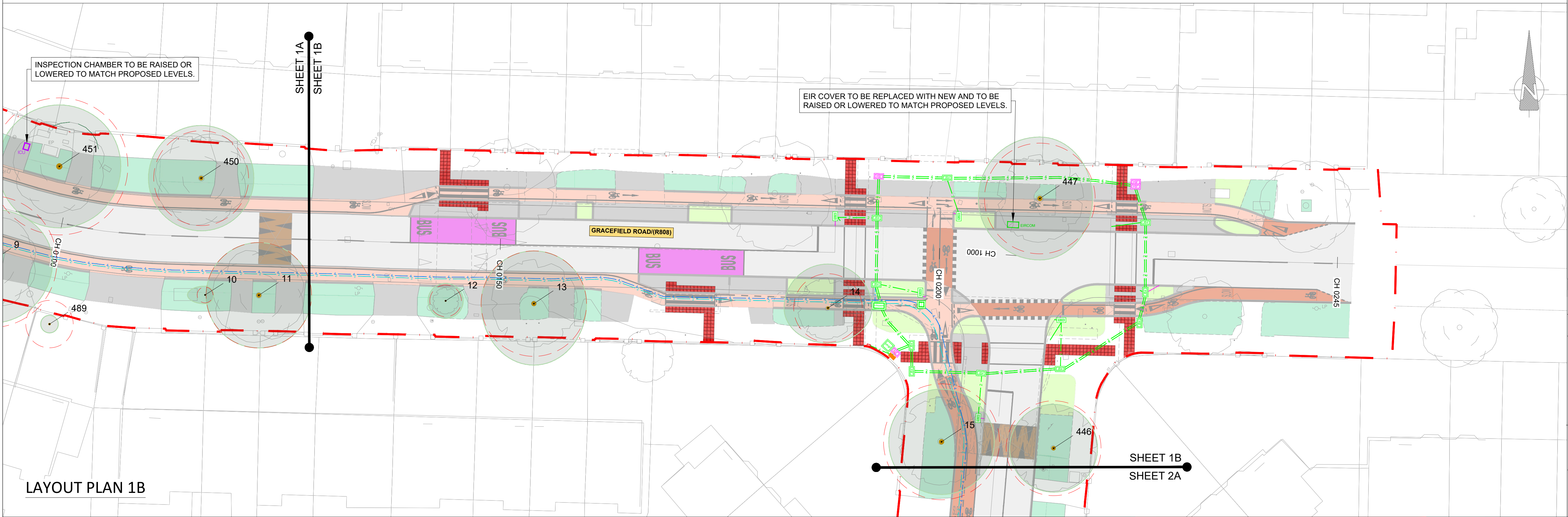




LAYOUT PLAN 1A



LAYOUT PLAN 1B

NOTES :

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- LEGEND**
- LANDS MADE AVAILABLE BY THE EMPLOYER
 - 1 x 110mm DIA. PUBLIC LIGHTING DUCT
 - 1 x 110mm DIA. DUCT TO ESB SPECIFICATION
 - PIBox PROPOSED PUBLIC LIGHTING MICRO PILLAR
 - EBox EXISTING ELECTRIC BOX
 - PR, EBox PROPOSED ELECTRIC BOX
 - PROPOSED 1200x600 CARRIAGEWAY CHAMBER
 - PROPOSED 600x600 CARRIAGEWAY CHAMBER
 - EXISTING JB4 DUCT CHAMBER TO BE RETAINED
 - EXISTING JB4 DUCT CHAMBER TO BE REMOVED
 - PROPOSED 915 X 445 JB4 DUCT CHAMBER
 - EXISTING JB2 DUCT CHAMBER TO BE REMOVED
 - PROPOSED 730 X 260 JB2 DUCT CHAMBER
 - PROPOSED 385 X 260 JB1 DUCT CHAMBER
 - EXISTING TRAFFIC SIGNAL DUCT XNo. 100mm DIA. TO BE RETAINED
 - PROPOSED TRAFFIC SIGNAL DUCT XNo. 100mm DIA.
 - UNDER-KERB DUCT
 - PROPOSED TELECOM DUCT
 - PROPOSED TRAFFIC FIBRE DUCT
 - EXISTING TREE AND ROOT PROTECTION AREA. ALL TREES AND ROOT STRUCTURES TO BE PROTECTED IN PLACE. CONTRACTOR TO SEE ARBORIST REPORT GUIDANCE
 - TREE LEGEND:
 - TREE CANOPY
 - ROOT PROTECTION AREA (RPA)
 - TREE STEM

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 risk comprises 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



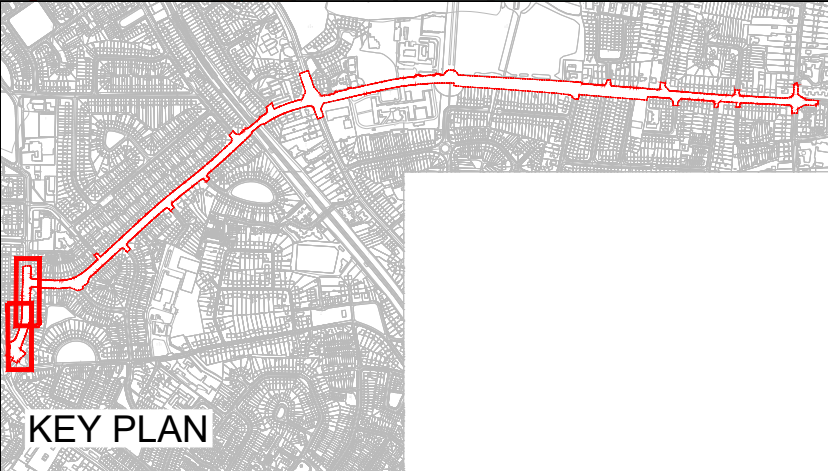
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CHRISTOPHER MANZIRA
ACTING PROGRAMME DIRECTOR





FINAL DRAFT

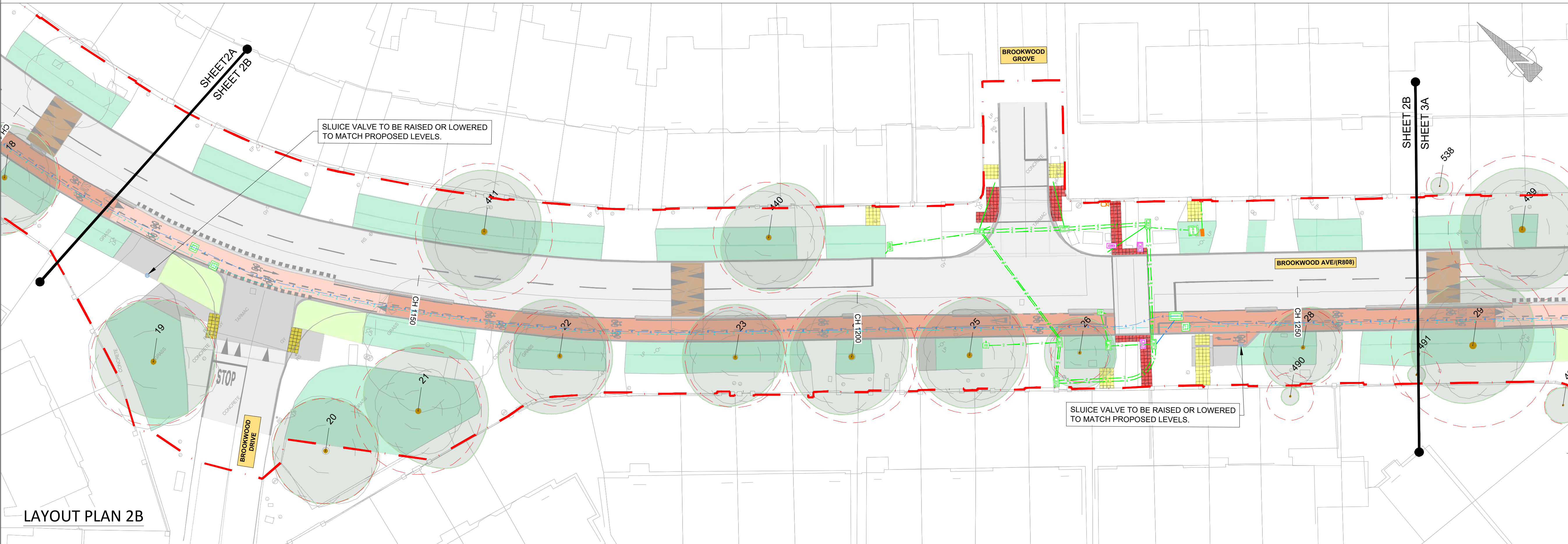
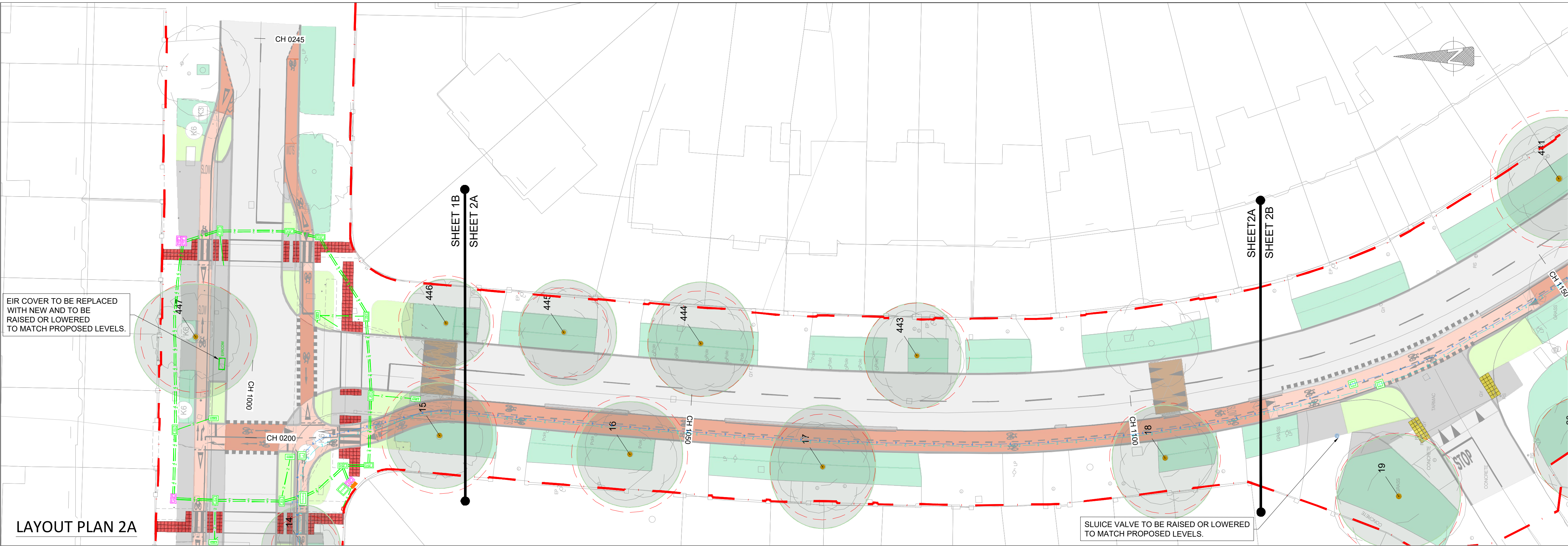
06/08/2026

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
DUCTS AND CHAMBERS**

Drawn	Checked	Reviewed	Approved	Drawing No.	Job No.	Scale	Sheet	Status
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							Date: 2026-06-22	Rev: P01.1



NOTES :

A

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B

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LEGEND

LANDS MADE AVAILABLE BY THE EMPLOYER

1 x 110mm DIA. PUBLIC LIGHTING DUCT

1 x 110mm DIA. DUCT TO ESB SPECIFICATION

PROPOSED PUBLIC LIGHTING MICRO PILLAR

EXISTING ELECTRIC BOX

PROPOSED ELECTRIC BOX

PROPOSED 1200x600 CARRIAGEWAY CHAMBER

PROPOSED 600x600 CARRIAGEWAY CHAMBER

EXISTING JB4 DUCT CHAMBER TO BE RETAINED

EXISTING JB4 DUCT CHAMBER TO BE REMOVED

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PROPOSED 385 X 260 JB1 DUCT CHAMBER

EXISTING TRAFFIC SIGNAL DUCT XNo. 100mm DIA. TO BE RETAINED

PROPOSED TRAFFIC SIGNAL DUCT XNo. 100mm DIA.

UNDER-KERB DUCT

PROPOSED TELECOM DUCT

PROPOSED TRAFFIC FIBRE DUCT

EXISTING TREE AND ROOT PROTECTION AREA. ALL TREES AND ROOT STRUCTURES TO BE PROTECTED IN PLACE. CONTRACTOR TO SEE ARBORIST REPORT GUIDANCE.

TREE LEGEND:

TREE CANOPY

ROOT PROTECTION AREA (RPA)

TREE STEM

Project Ireland 2040

Building Ireland's Future

NTA

Údarás Náisiúnta Iompair

National Transport Authority

Comhairle Cathrach

Bhaile Átha Cliath

Dublin City Council

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The Active Travel Programme Office

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EMAIL: activetraveloffice@dublincity.ie

CHRISTOPHER MANZIRA

ACTING PROGRAMME DIRECTOR

Jacobs

KEY PLAN

FINAL DRAFT

06/08/2026

Project Title

COOLLOCK TO CLONTARF ACTIVE TRAVEL SCHEME

SECTION 2, GRACEFIELD ROAD TO VERNON AVENUE

Drawing Title

DETAIL DESIGN

DUCTS AND CHAMBERS

Stage	Date	App'd
PRELIMINARY		
APPROVAL		
TENDER		
CONSTRUCTION		

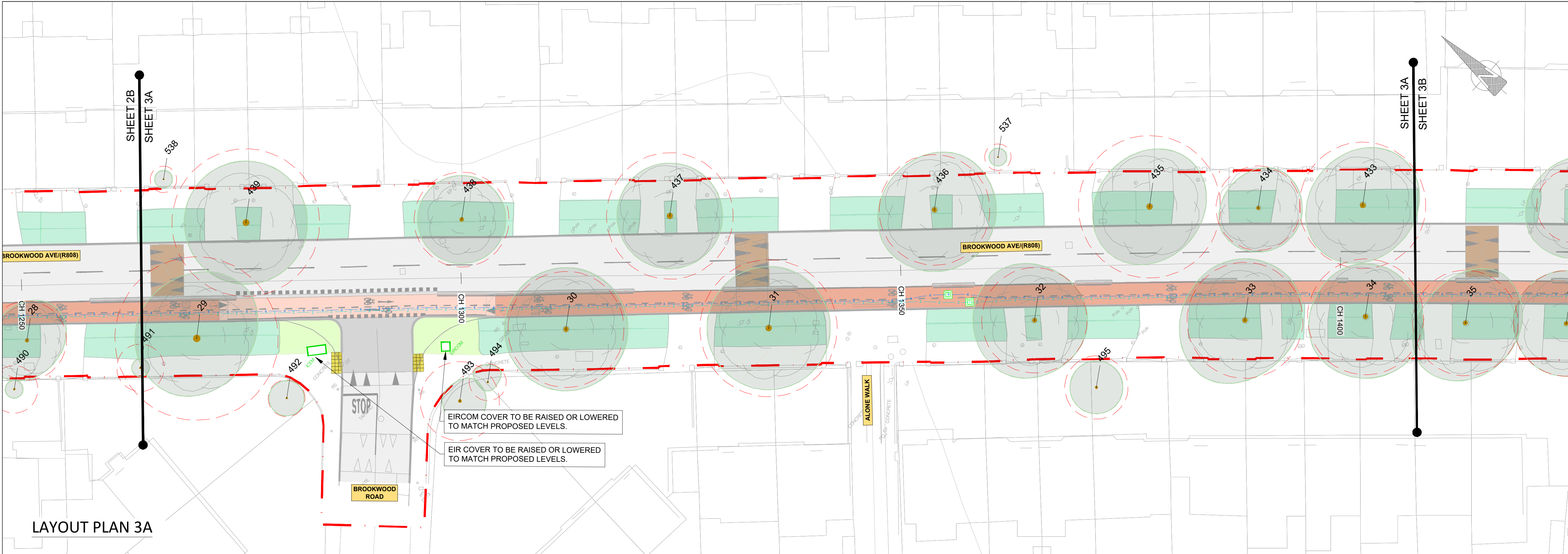
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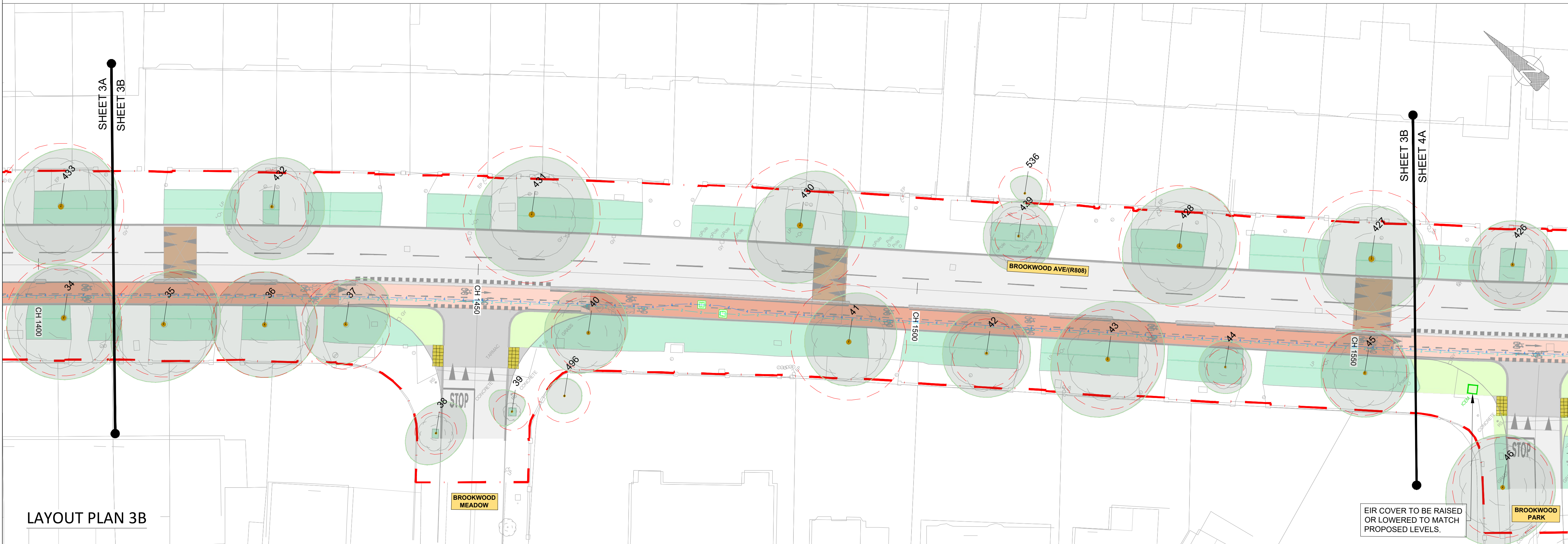
Sheet: 2 of 9

Status: S5

DACT_2109b - JAC - UTL_UL -DR- CI -2800



LAYOUT PLAN 3A



LAYOUT PLAN 3B

NOTES :

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 - PROPOSED 600x600 CARRIAGEWAY CHAMBER
 - EXISTING JB4 DUCT CHAMBER TO BE RETAINED
 - EXISTING JB4 DUCT CHAMBER TO BE REMOVED
 - PROPOSED 915 X 445 JB4 DUCT CHAMBER
 - EXISTING JB2 DUCT CHAMBER TO BE REMOVED
 - PROPOSED 730 X 260 JB2 DUCT CHAMBER
 - PROPOSED 385 X 260 JB1 DUCT CHAMBER
 - EXISTING TRAFFIC SIGNAL DUCT XNo. 100mm DIA. TO BE RETAINED
 - No PROPOSED TRAFFIC SIGNAL DUCT XNo. 100mm DIA.
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 - TREE LEGEND:
 - TREE CANOPY
 - ROOT PROTECTION AREA (RPA)
 - TREE STEM

SAFETY, HEALTH & ENVIRONMENTAL INFORMATION

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CONSTRUCTION

MAINTENANCE / CLEANING

OPERATING/USE

DECOMMISSIONING/DEMOLITION



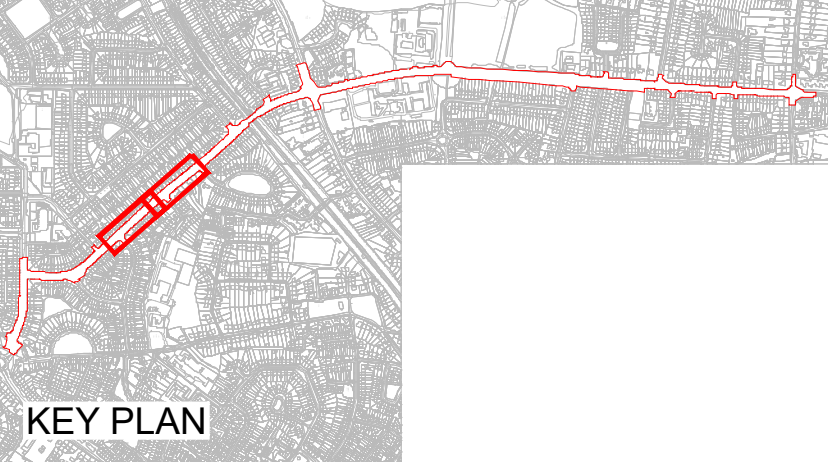
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CHRISTOPHER MANZIRA
ACTING PROGRAMME DIRECTOR



KEY PLAN

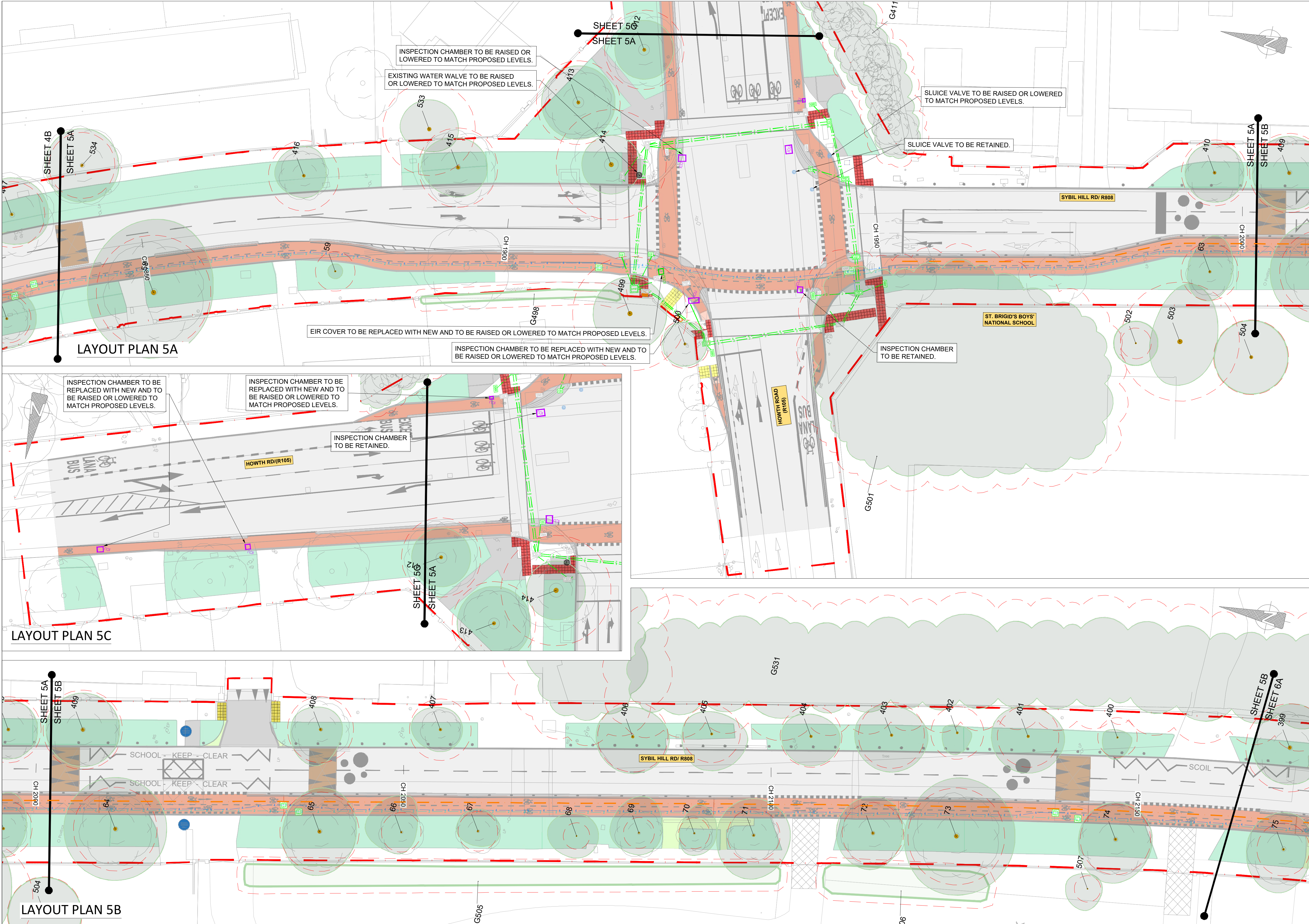
FINAL DRAFT
06/08/2026

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
DUCTS AND CHAMBERS**

Drawn	Checked	Reviewed	Approved	Drawing No.	Job No.	Scale	Date	Rev.
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 - 1 x 110mm DIA. DUCT TO ESB SPECIFICATION
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 - PROPOSED 600x600 CARRIAGEWAY CHAMBER
 - EXISTING JB4 DUCT CHAMBER TO BE RETAINED
 - EXISTING JB4 DUCT CHAMBER TO BE REMOVED
 - PROPOSED 915 X 445 JB4 DUCT CHAMBER
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- CONSTRUCTION
- MAINTENANCE / CLEANING
- OPERATING/USE
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CHRISTOPHER MANZIRA
ACTING PROGRAMME DIRECTOR

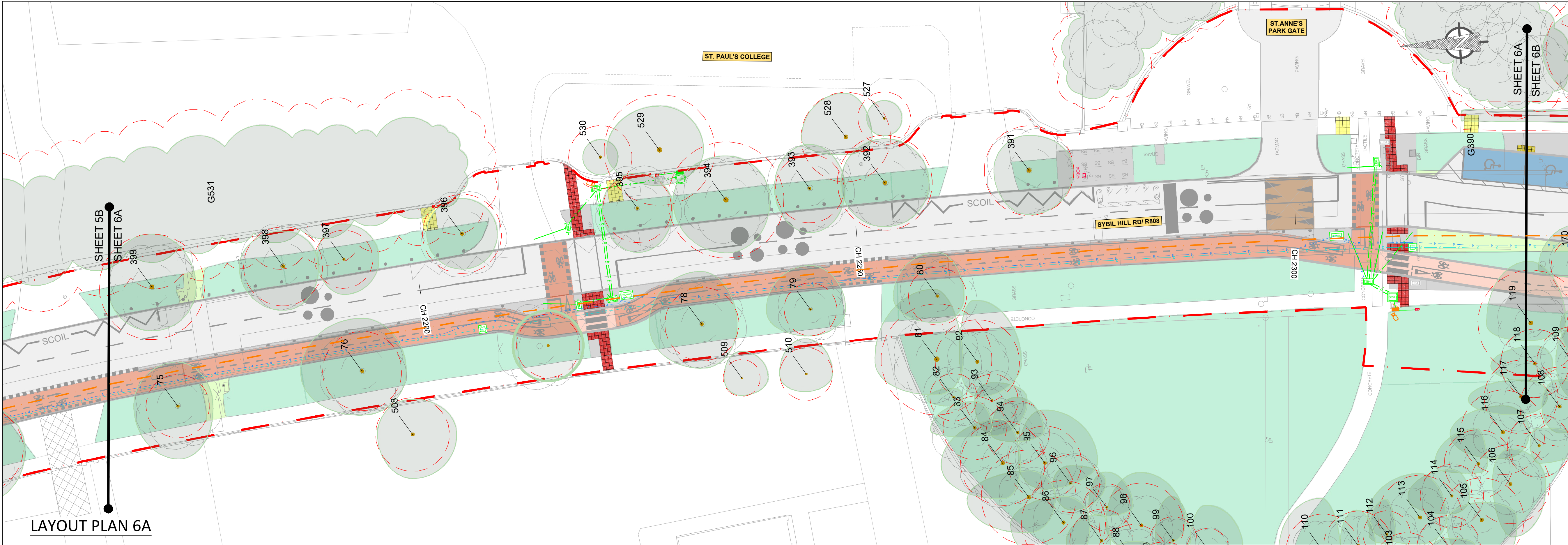
FINAL DRAFT
06/08/2026

Stage	Date	App'd
PRELIMINARY		
APPROVAL		
TENDER		
CONSTRUCTION		

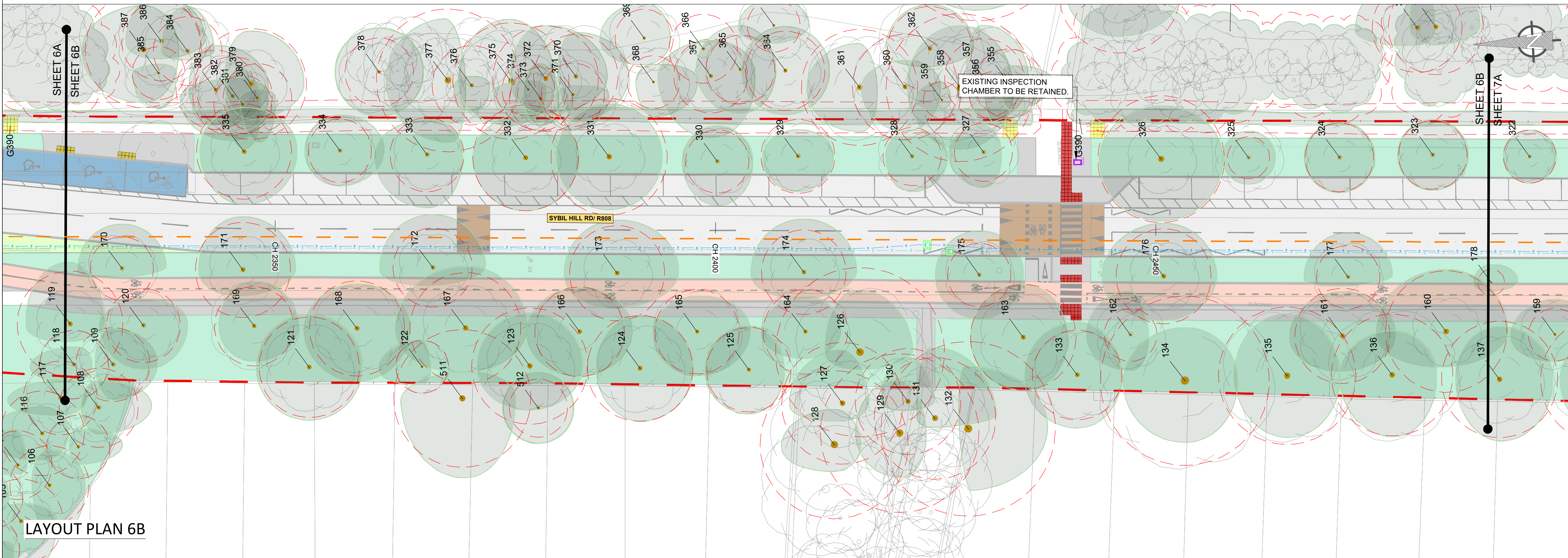
Project Title
COOLLOCK TO CLONTARF ACTIVE TRAVEL SCHEME
SECTION 2, GRACEFIELD ROAD TO VERNON AVENUE

Drawing Title
DETAIL DESIGN
DUCTS AND CHAMBERS

Drawn : ---	Drawing No: DACT_2109b-JAC-UTL_UL-DR-CI-2800-05.dwg	Sheet : 5 of 9	Status: S5
Checked : ---	Job No: 2100009b	Date: 2026-06-22	Rev: P01.1
Reviewed : ---	Scale: 1:250 @ A1		
Approved: ---	DACT_2109b-JAC-UTL_UL-DR-CI-2800		



LAYOUT PLAN 6A



LAYOUT PLAN 6B

- NOTES :
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 - PROPOSED 800x600 CARRIAGEWAY CHAMBER
 - EXISTING JB4 DUCT CHAMBER TO BE RETAINED
 - EXISTING JB4 DUCT CHAMBER TO BE REMOVED
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 - EXISTING JB2 DUCT CHAMBER TO BE REMOVED
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 - PROPOSED 385 X 260 JB1 DUCT CHAMBER
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- CONSTRUCTION
- MAINTENANCE / CLEANING
- OPERATING/USE
- DECOMMISSIONING/DEMOLITION

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ACTING PROGRAMME DIRECTOR

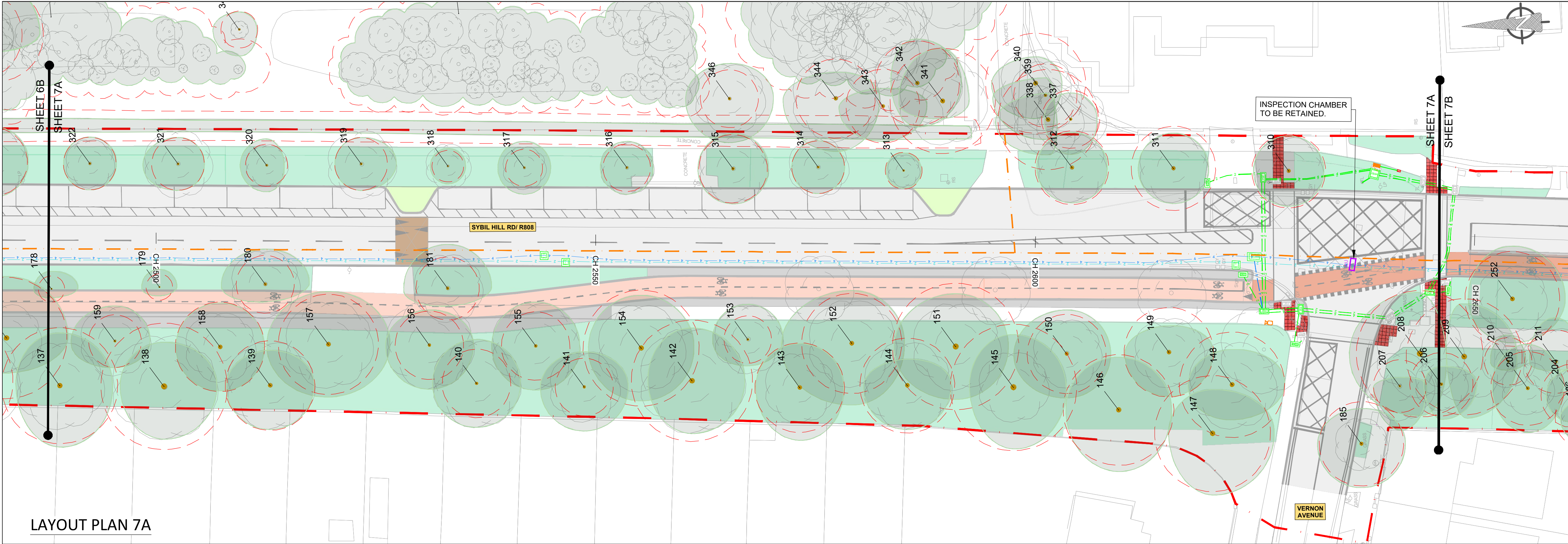
FINAL DRAFT
06/08/2026

Stage	Date	App'd
PRELIMINARY		
APPROVAL		
TENDER		
CONSTRUCTION		

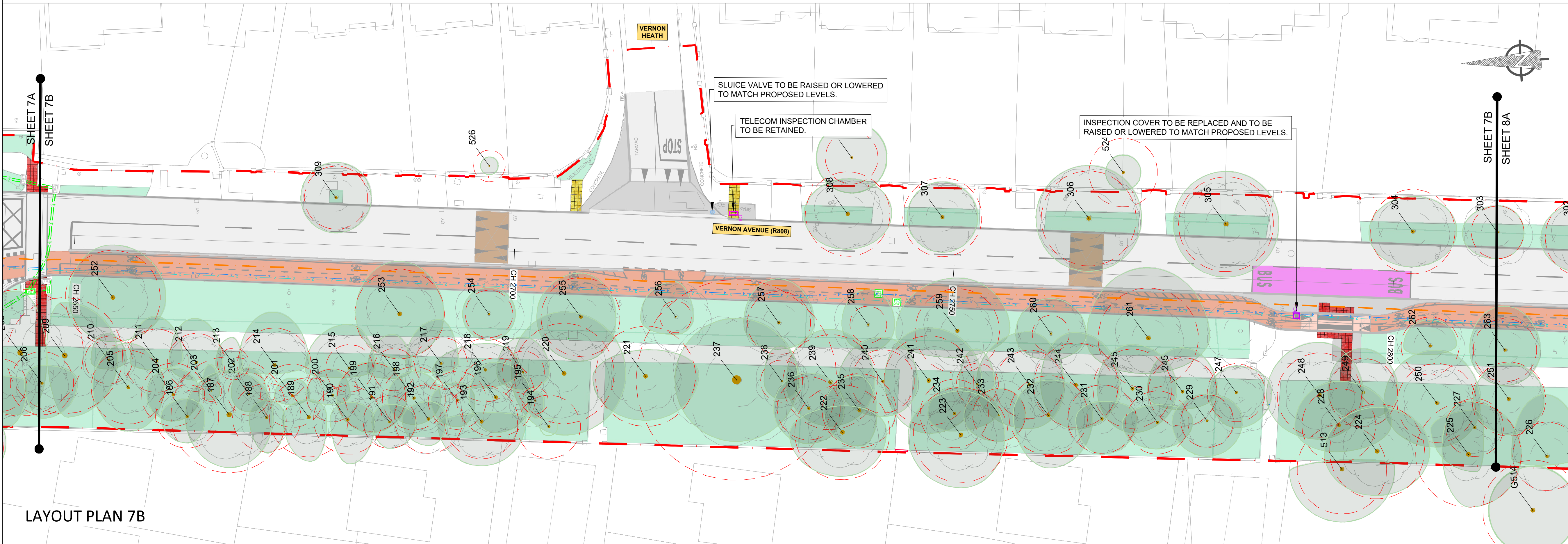
Project Title
COOLLOCK TO CLONTARF ACTIVE TRAVEL SCHEME
SECTION 2, GRACEFIELD ROAD TO VERNON AVENUE

Drawing Title
DETAIL DESIGN
DUCTS AND CHAMBERS

Drawn : --	Drawing No: DACT_2109b-JAC-UTL_UL-DR-CI-2800-06.dwg	Sheet : 6 of 9	Status: S5
Checked : --	Job No: 2100009b		
Reviewed : --	Scale: 1:250 @ A1	Date: 2026-06-22	Rev: P01.1
Approved: --	DACT_2109b - JAC - UTL_UL -DR -CI -2800		



LAYOUT PLAN 7A



LAYOUT PLAN 7B

NOTES :

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LEGEND

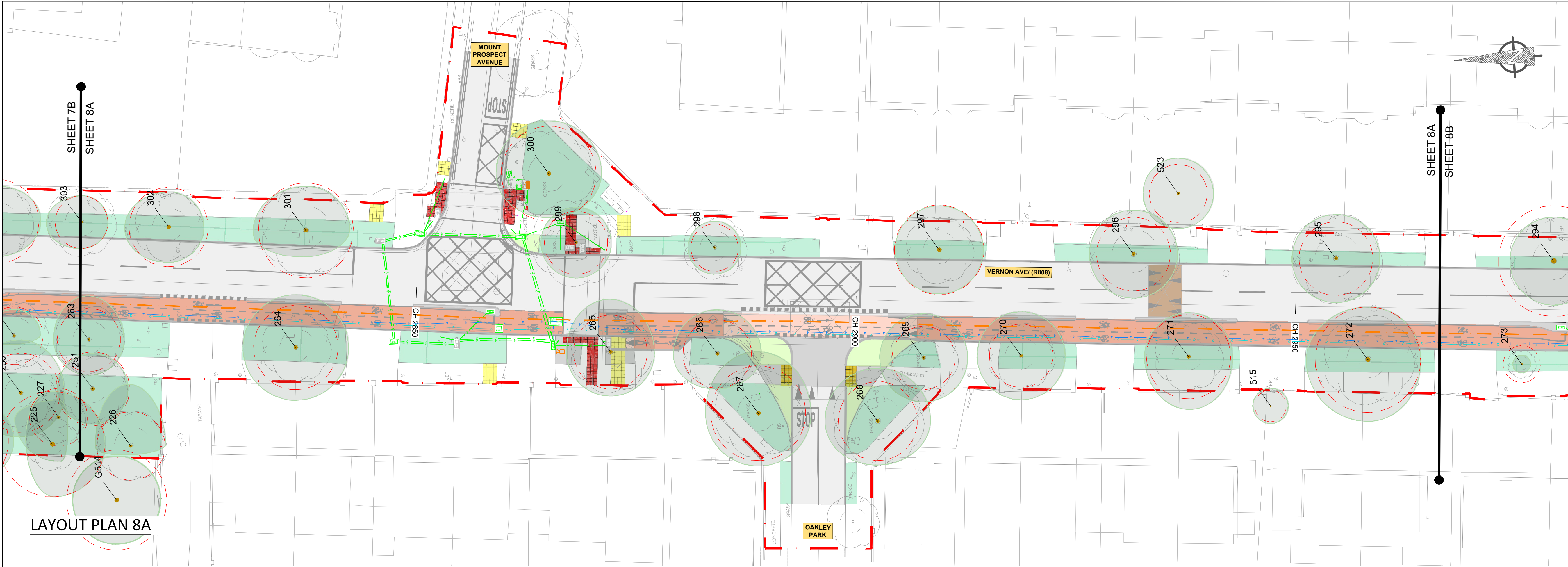
- LANDS MADE AVAILABLE BY THE EMPLOYER
- 1 x 110mm DIA. PUBLIC LIGHTING DUCT
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- PIBox PROPOSED PUBLIC LIGHTING MICRO PILLAR
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- NNo PROPOSED TRAFFIC SIGNAL DUCT XNo. 100mm DIA.
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- TREE LEGEND:
 - TREE CANOPY
 - ROOT PROTECTION AREA (RPA)
 - TREE STEM

SAFETY, HEALTH & ENVIRONMENTAL INFORMATION

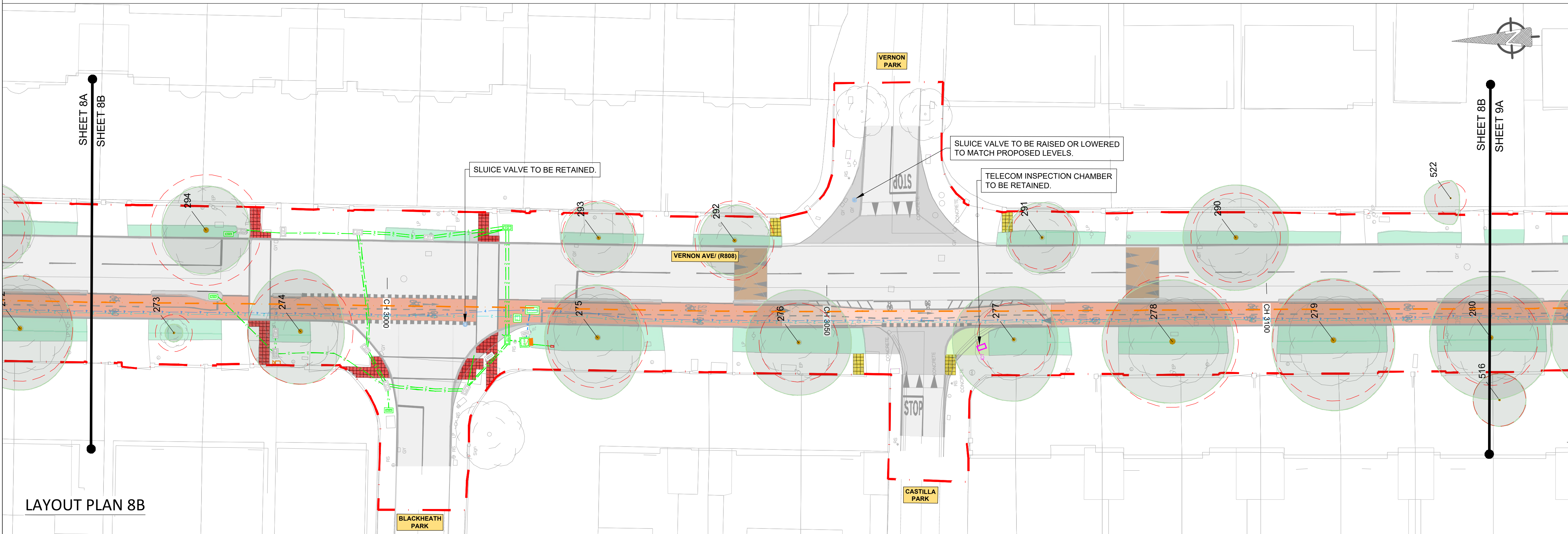
Note: The Health and Safety information shown on these drawings shall be read in conjunction with the Hazard Identification and Risk Reduction form. The above hazards and risks are indicative only and are not intended to be a substitute for a contractor's own assessment and are not a definitive list of all health & safety risks arising from the works.

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CONSTRUCTION
MAINTENANCE / CLEANING
OPERATING/USE
DECOMMISSIONING/DEMOLITION



LAYOUT PLAN 8A



LAYOUT PLAN 8B

NOTES :

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CONSTRUCTION

MAINTENANCE / CLEANING

OPERATING/USE

DECOMMISSIONING/DEMOLITION



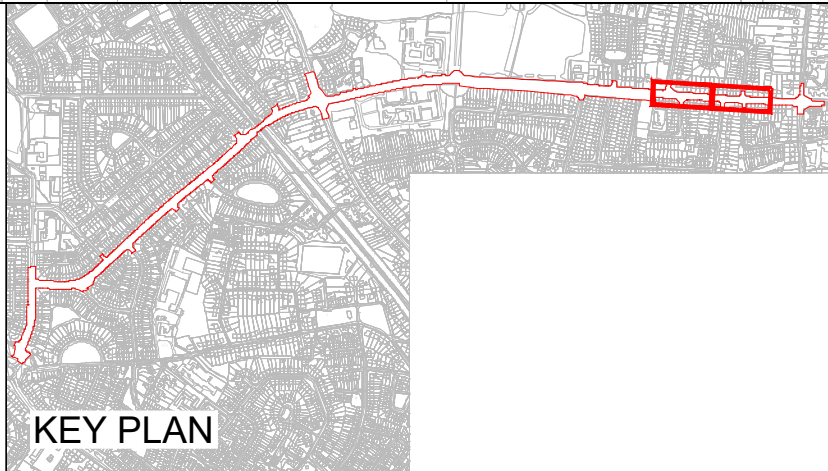
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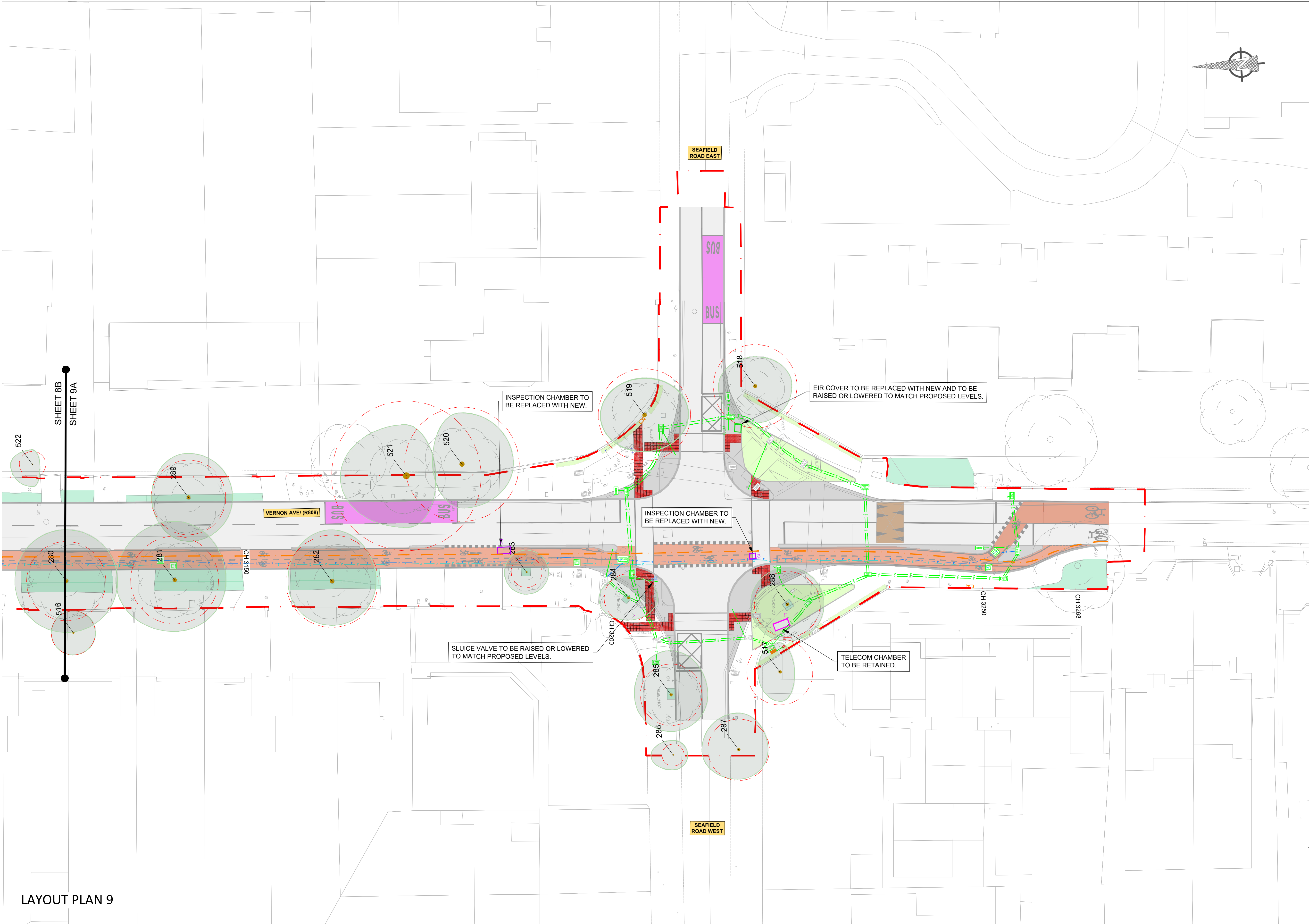
FINAL DRAFT
06/08/2026

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
DUCTS AND CHAMBERS**

Drawn	Checked	Reviewed	Approved	Drawing No.	Job No.	Scale	Date	Rev.
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NOTES :

A This Drawing is to be used for the design identified in the title box. Other information shown is to be considered indicative only. The drawing is to be read in conjunction with all other relevant design drawings.

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LEGEND

- LANDS MADE AVAILABLE BY THE EMPLOYER
- 1 x 110mm DIA. PUBLIC LIGHTING DUCT
- 1 x 110mm DIA. DUCT TO ESB SPECIFICATION
- PIBox PROPOSED PUBLIC LIGHTING MICRO PILLAR
- EBox EXISTING ELECTRIC BOX
- PR, EBox PROPOSED ELECTRIC BOX
- PROPOSED 1200x600 CARRIAGEWAY CHAMBER
- PROPOSED 600x600 CARRIAGEWAY CHAMBER
- EXISTING J4 DUCT CHAMBER TO BE RETAINED
- EXISTING J84 DUCT CHAMBER TO BE REMOVED
- PROPOSED 915 X 445 J84 DUCT CHAMBER
- EXISTING J82 DUCT CHAMBER TO BE REMOVED
- PROPOSED 730 X 260 J82 DUCT CHAMBER
- PROPOSED 385 X 260 J81 DUCT CHAMBER
- EXISTING TRAFFIC SIGNAL DUCT XNo. 100mm DIA. TO BE RETAINED
- PROPOSED TRAFFIC SIGNAL DUCT XNo. 100mm DIA.
- UNDER-KERB DUCT
- PROPOSED TELECOM DUCT
- PROPOSED TRAFFIC FIBRE DUCT
- EXISTING TREE AND ROOT PROTECTION AREA. ALL TREES AND ROOT STRUCTURES TO BE PROTECTED IN PLACE. CONTRACTOR TO SEE ARBORIST REPORT GUIDANCE.
- TREE LEGEND:
 - TREE CANOPY
 - ROOT PROTECTION AREA (RPA)
 - TREE STEM

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 site specific risks only, which may be offset to manage, avoid 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

LAYOUT PLAN 9