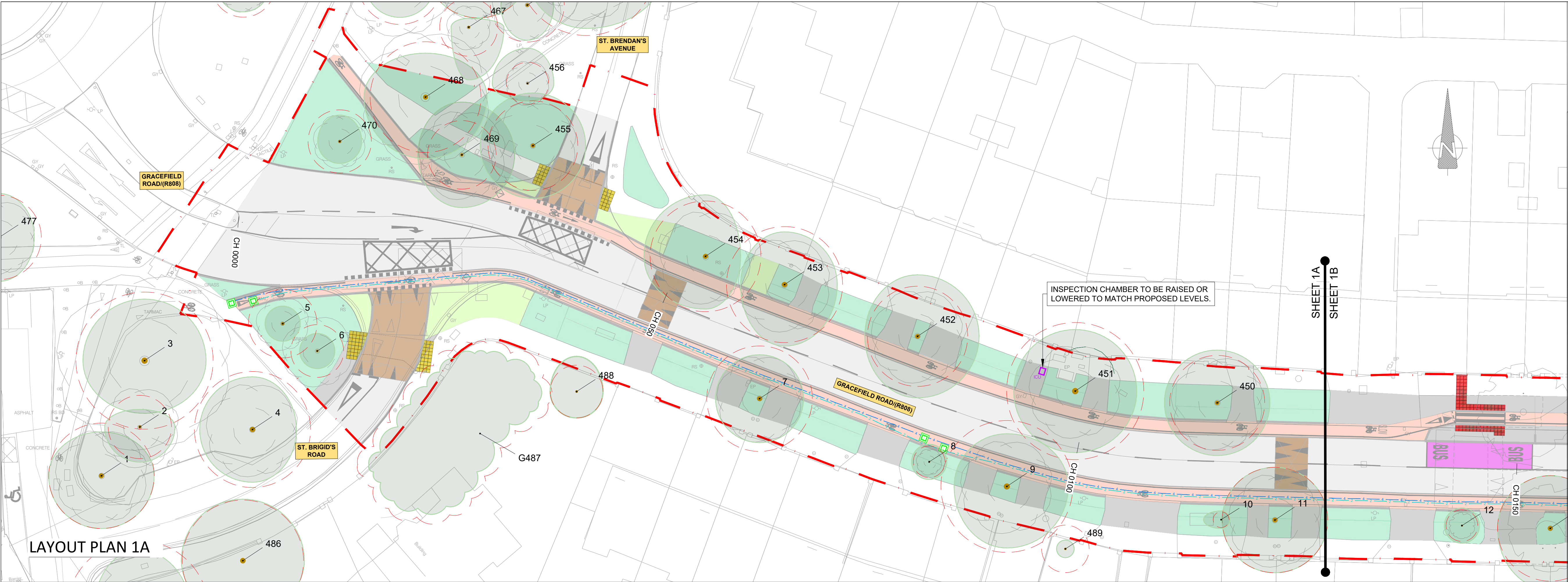
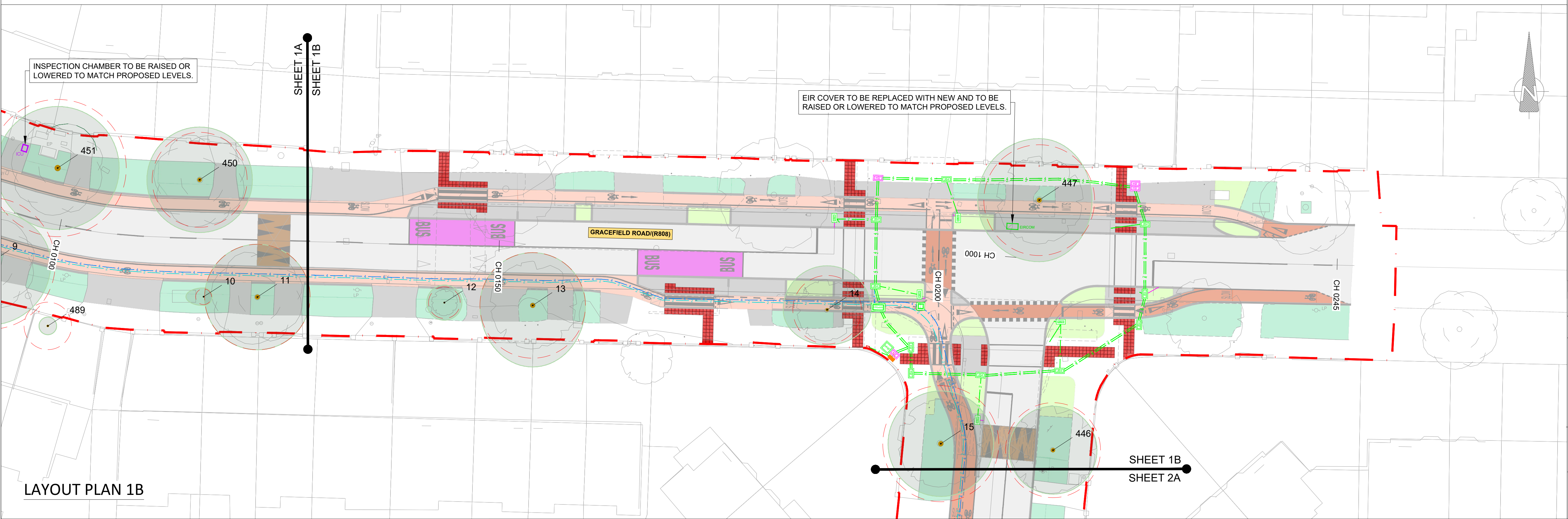




LAYOUT PLAN 1A



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



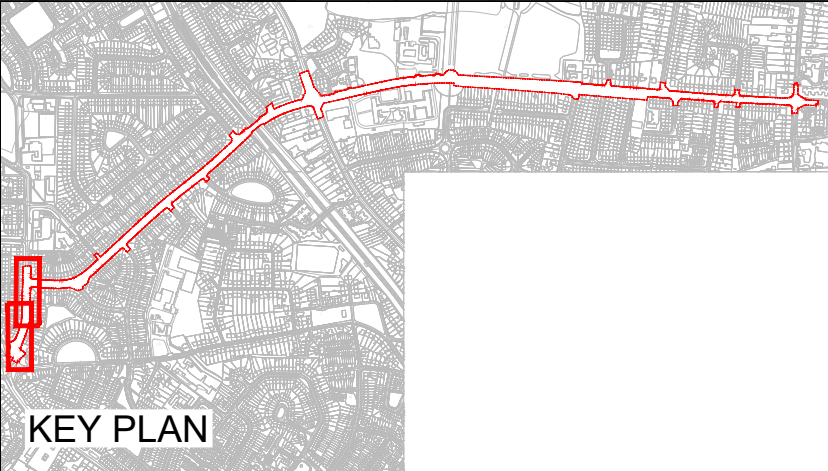
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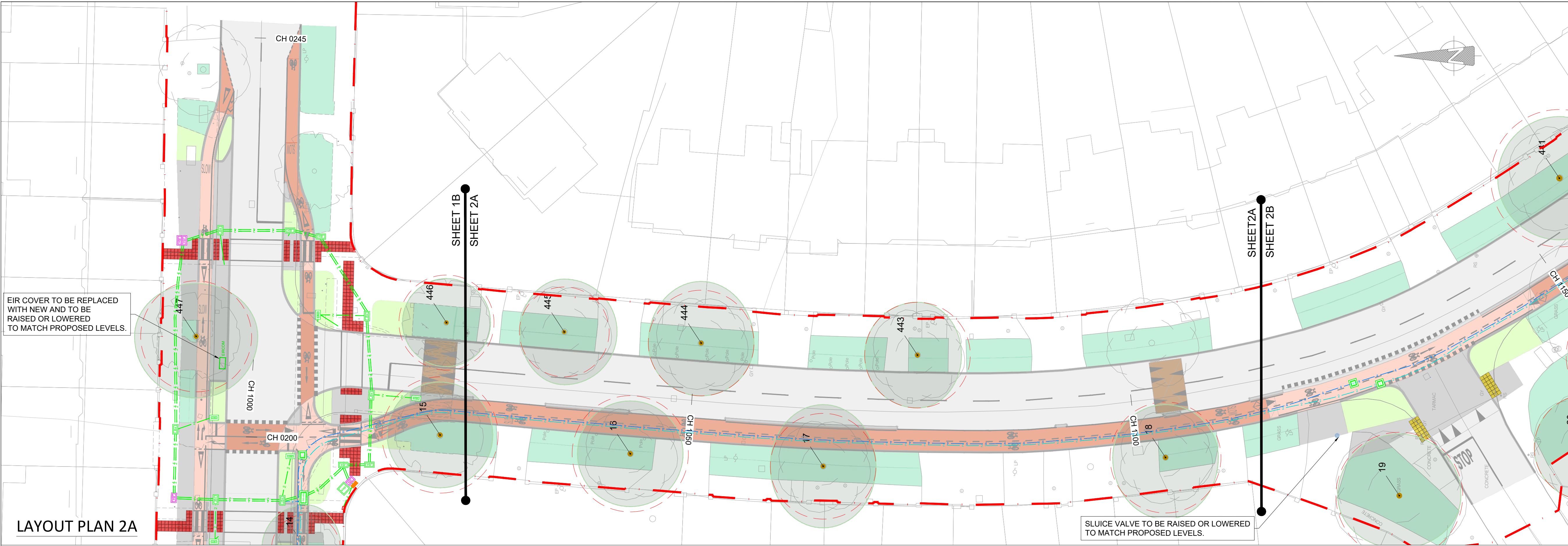
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ACTING PROGRAMME DIRECTOR



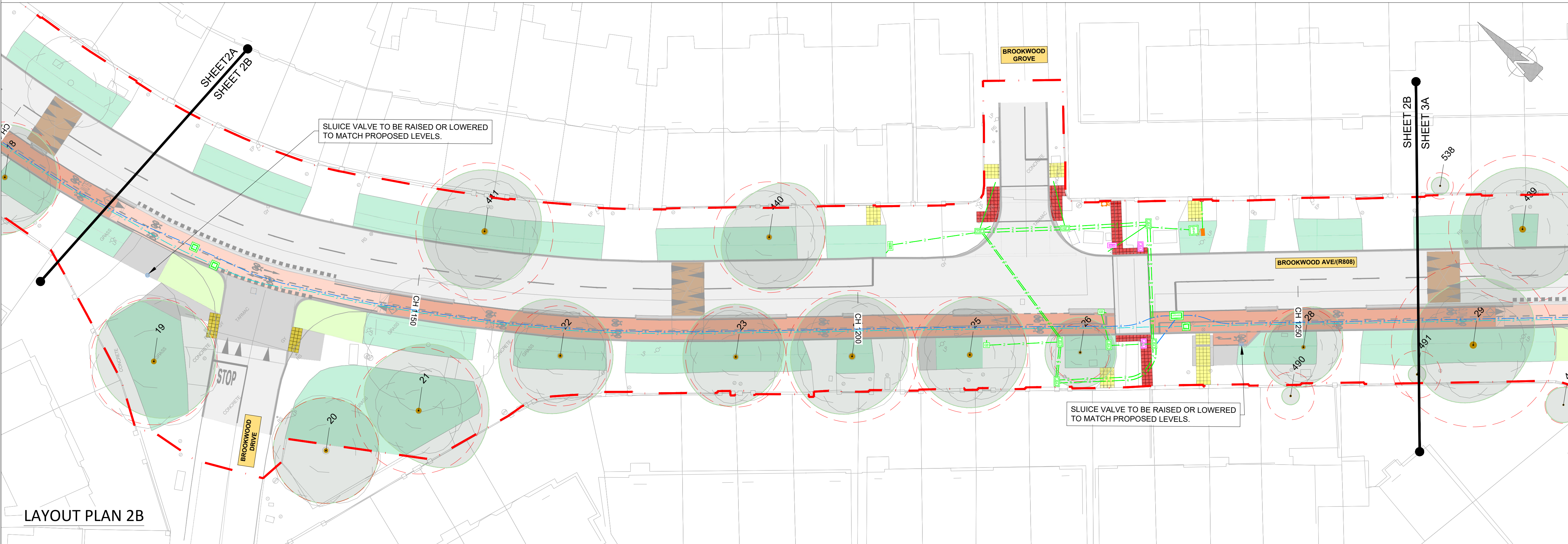
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P02 Revised Tender Issue		2026-09-08	AC	VR	KS	MF
No.	Revision	Date	Dwn	Chk'd	Rev'd	App'd
PRELIMINARY						
APPROVAL						
TENDER						
CONSTRUCTION						

Project Title		COOLLOCK TO CLONTARF ACTIVE TRAVEL SCHEME	
Drawing Title		SECTION 2, GRACEFIELD ROAD TO VERNON AVENUE	
Drawing No.		DACT_2109b-JAC-UTL_UL-DR-CI-2800-01.dwg	
Job No.		210009b	
Scale:		1:250 @ A1	
Date:		2026-09-08	
Rev:		P02	

Drawn : AC	Checked : VR	Reviewed : KS	Approved : MF
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LAYOUT PLAN 2A



LAYOUT PLAN 2B

NOTES :

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 - 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 J84 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

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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

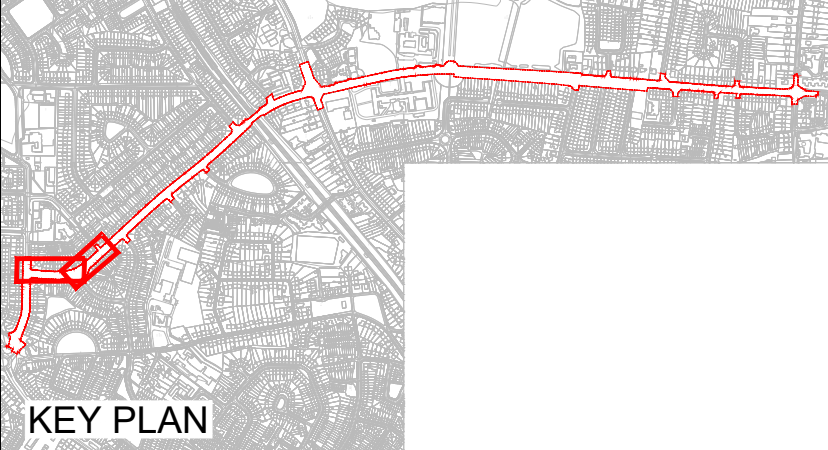


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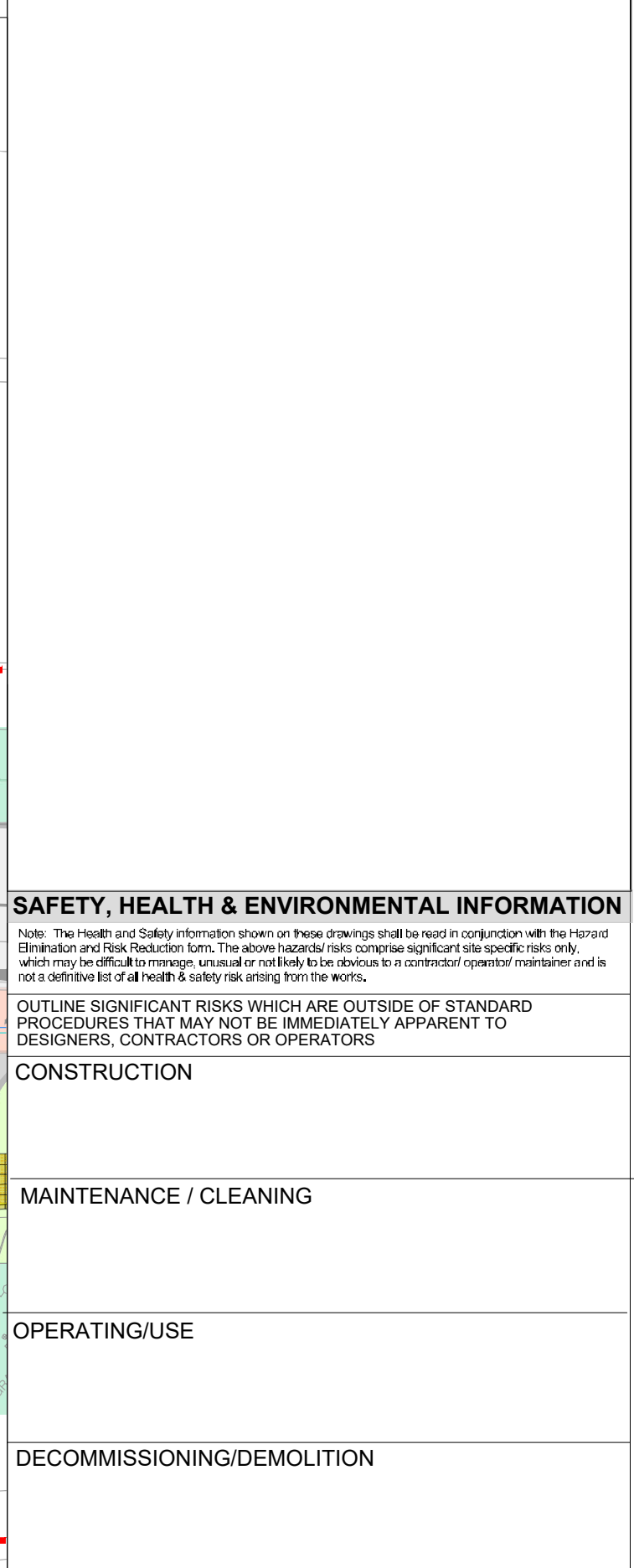
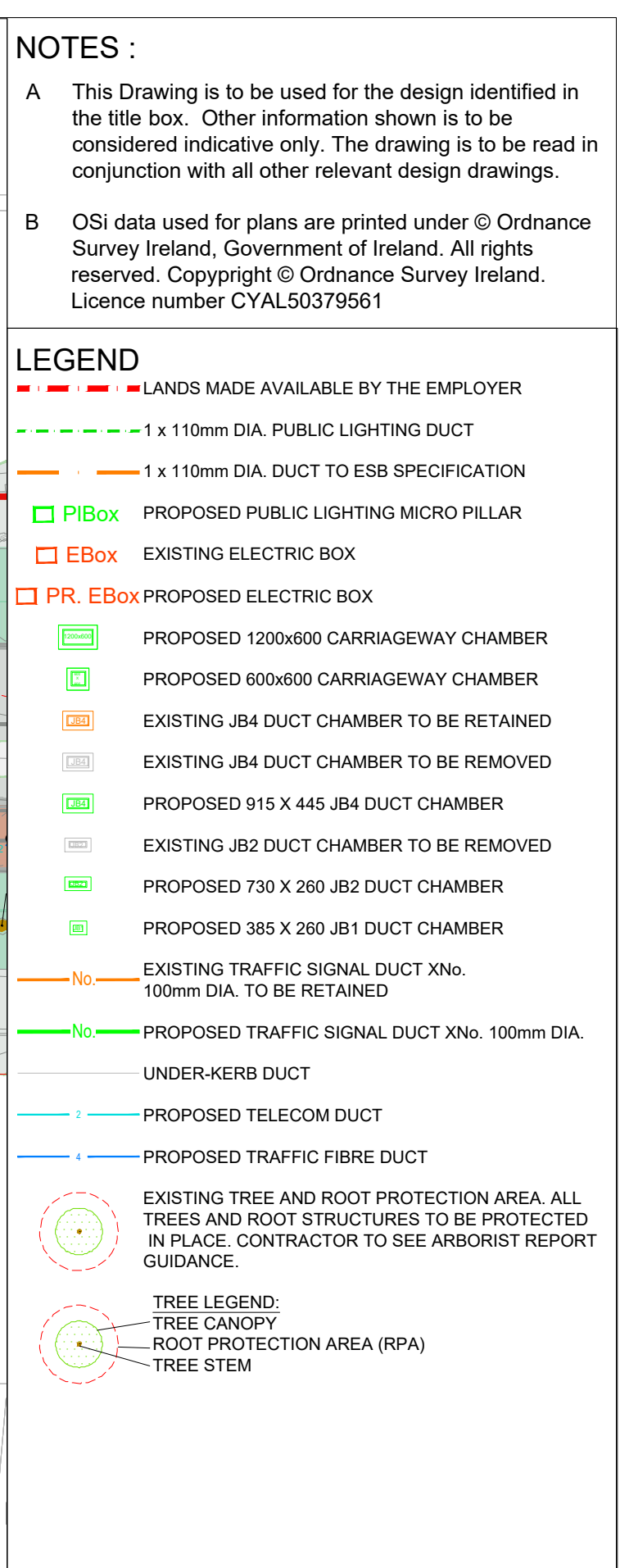
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ACTING PROGRAMME DIRECTOR

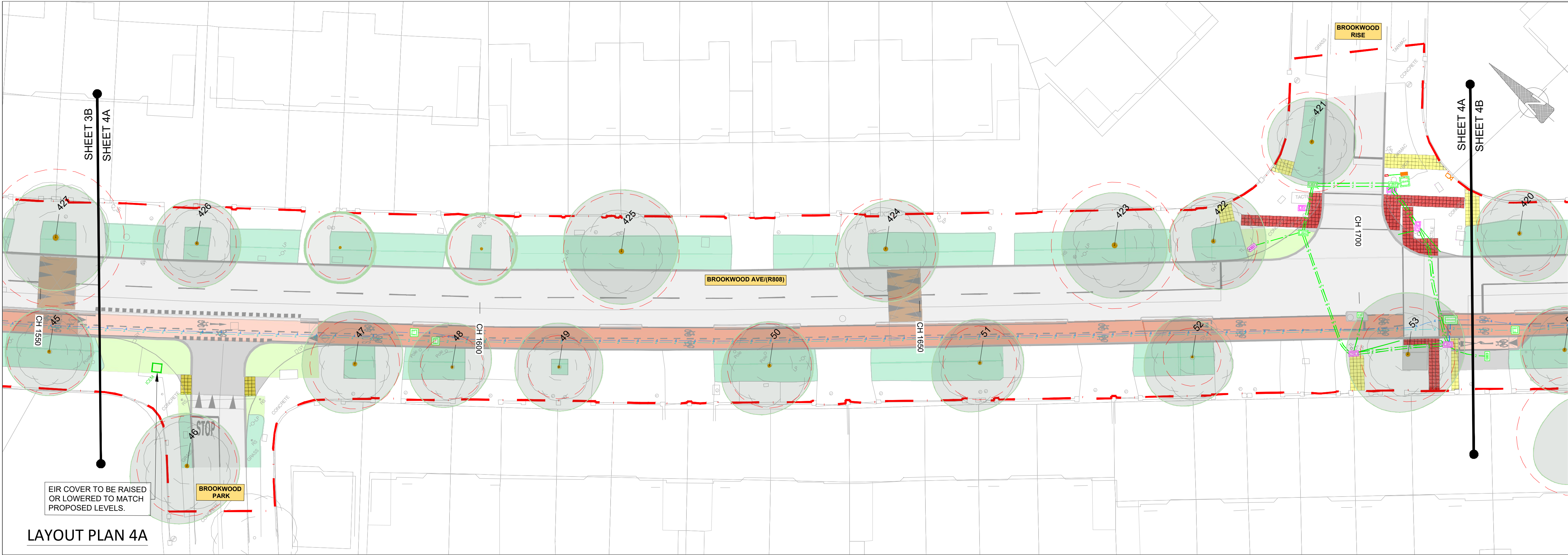


No.	Revision	Stage	Date	Dwn	Chk'd	Rev'd	App'd
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P02	Revised Tender Issue		2026-09-08	AC	VR	KS	MF

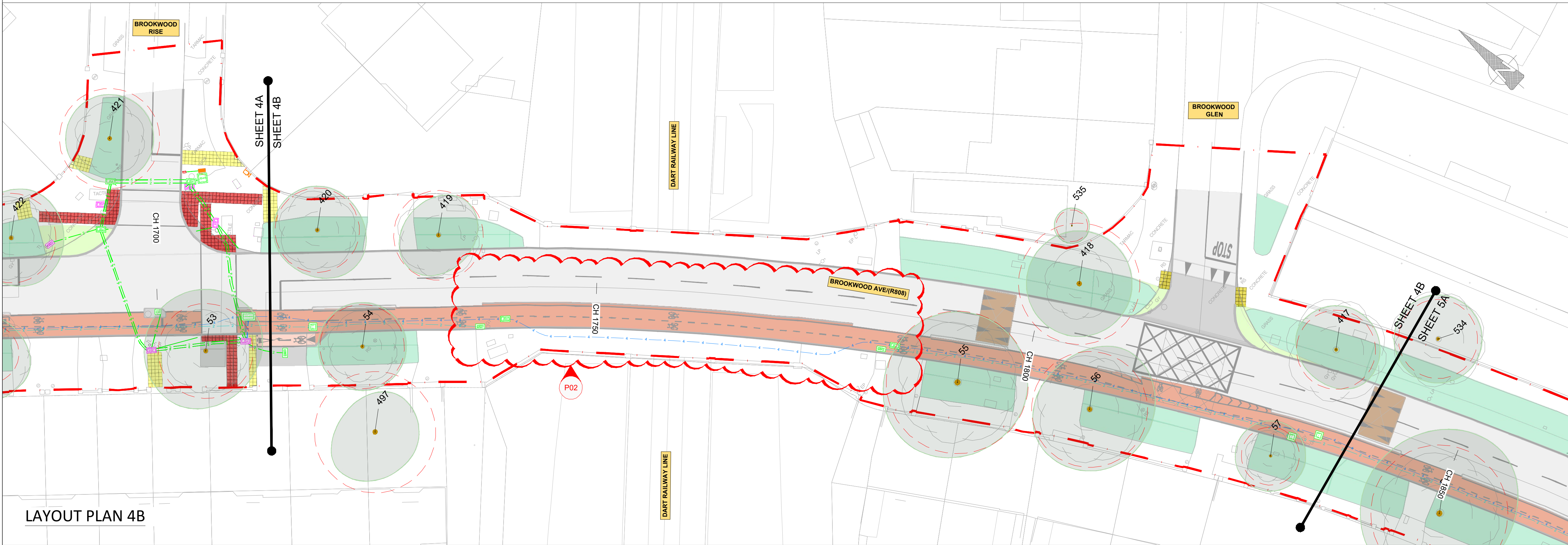
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PRELIMINARY	AC			
APPROVAL		VR		
TENDER			KS	
CONSTRUCTION				MF

Project Title			
COOLLOCK TO CLONTARF ACTIVE TRAVEL SCHEME			
SECTION 2, GRACEFIELD ROAD TO VERNON AVENUE			
Drawing Title			
DETAILED DESIGN DUCTS AND CHAMBERS			
Drawn : AC	Drawing No: DACT_2109b-JAC-UTL_UL-DR-CI-2800-02.dwg	Sheet : 2 of 9	Status: S5
Checked : VR	Job No: 210009b	Date: 2026-09-08	Rev: P02
Reviewed : KS	Scale: 1:250 @ A1		
Approved: MF	DACT_2109b-JAC-UTL_UL-DR-CI-2800		





LAYOUT PLAN 4A



LAYOUT PLAN 4B

- NOTES :
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 - 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
 - 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 Identification and Risk Reduction form. The above hazard/risk comprise significant risks specific to the project 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.
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- CONSTRUCTION
- MAINTENANCE / CLEANING
- OPERATING/USE
- DECOMMISSIONING/DEMOLITION

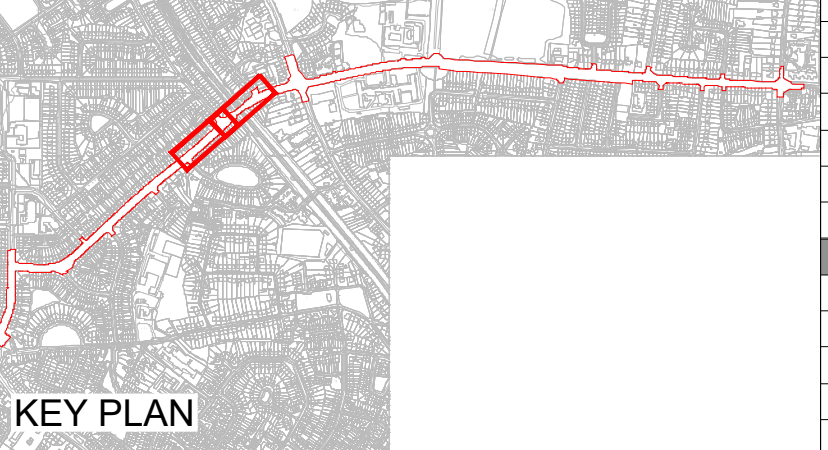


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ACTING PROGRAMME DIRECTOR

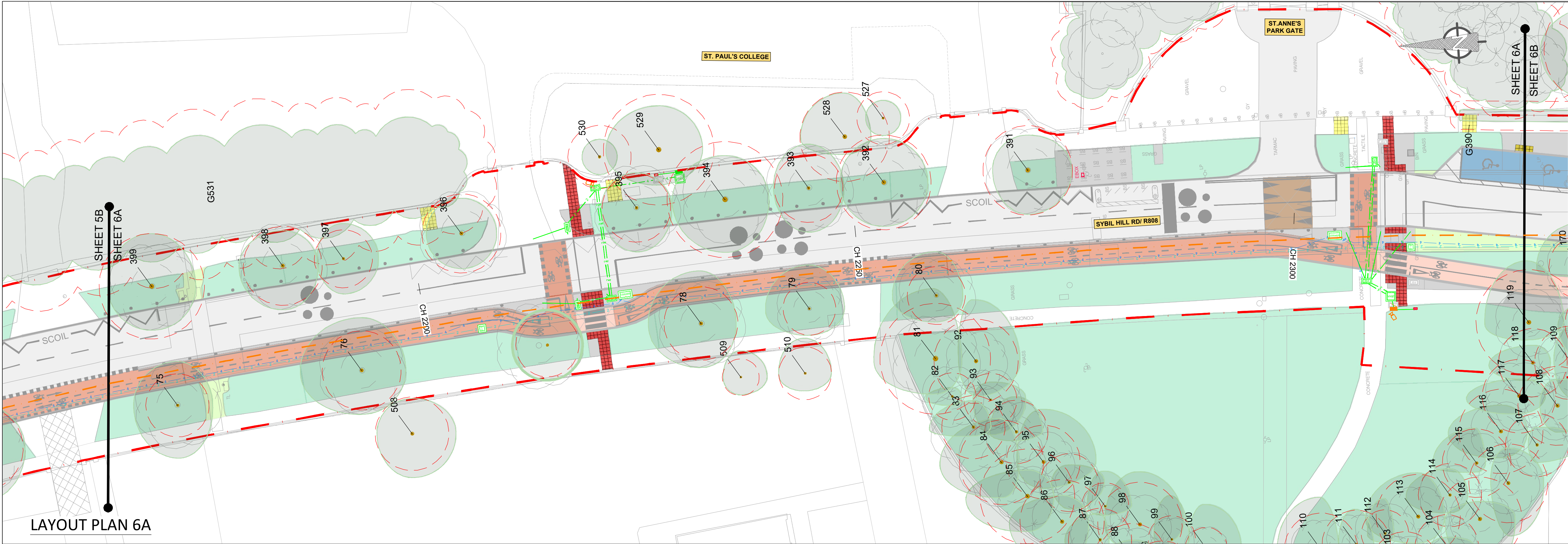


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TENDER						
CONSTRUCTION						

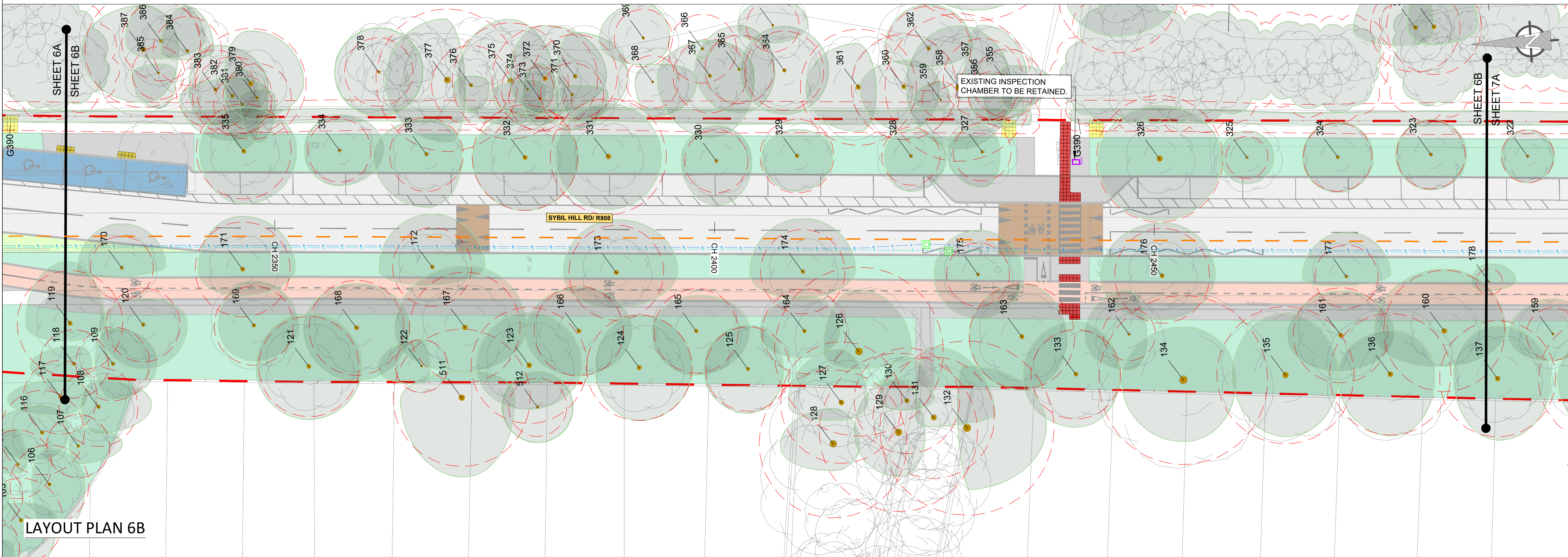
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Approved:	MF	DACT_2109b-JAC-UTL_UL-DR-CI-2800			

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

Drawing Title
DETAILED DESIGN
DUCTS AND CHAMBERS



LAYOUT PLAN 6A



LAYOUT PLAN 6B

- NOTES :
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 - 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 800x600 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	
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 hazards/risk controls/significance risk specific rules 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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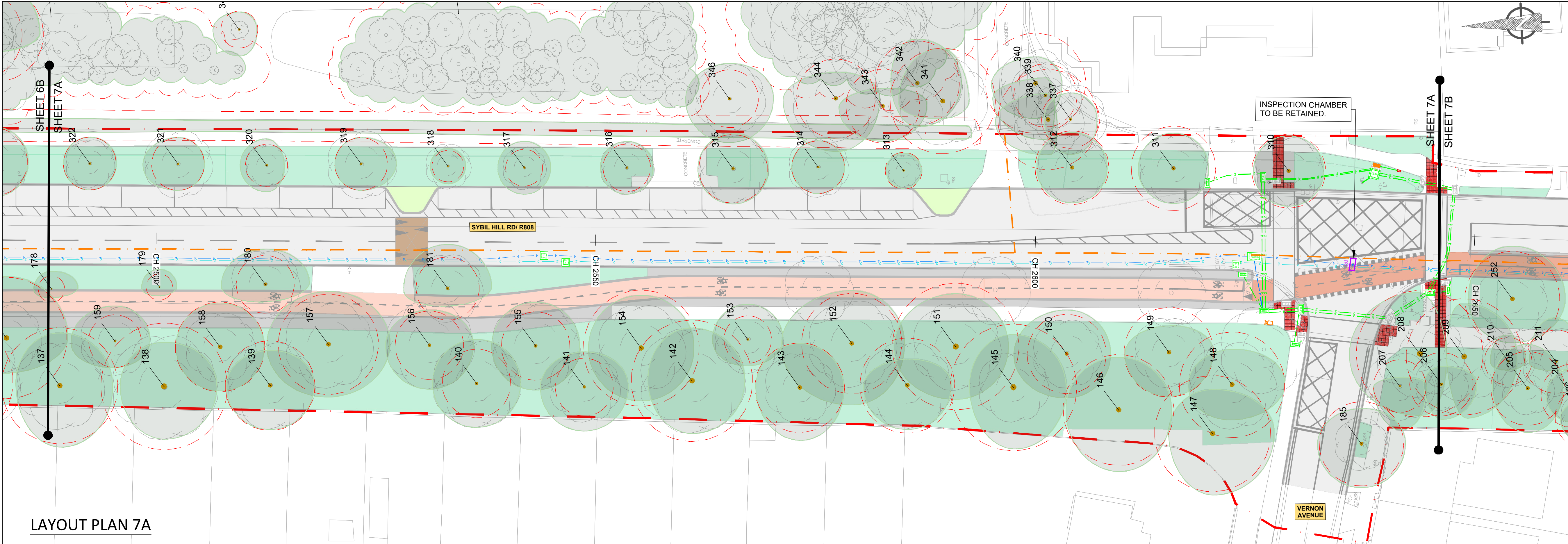
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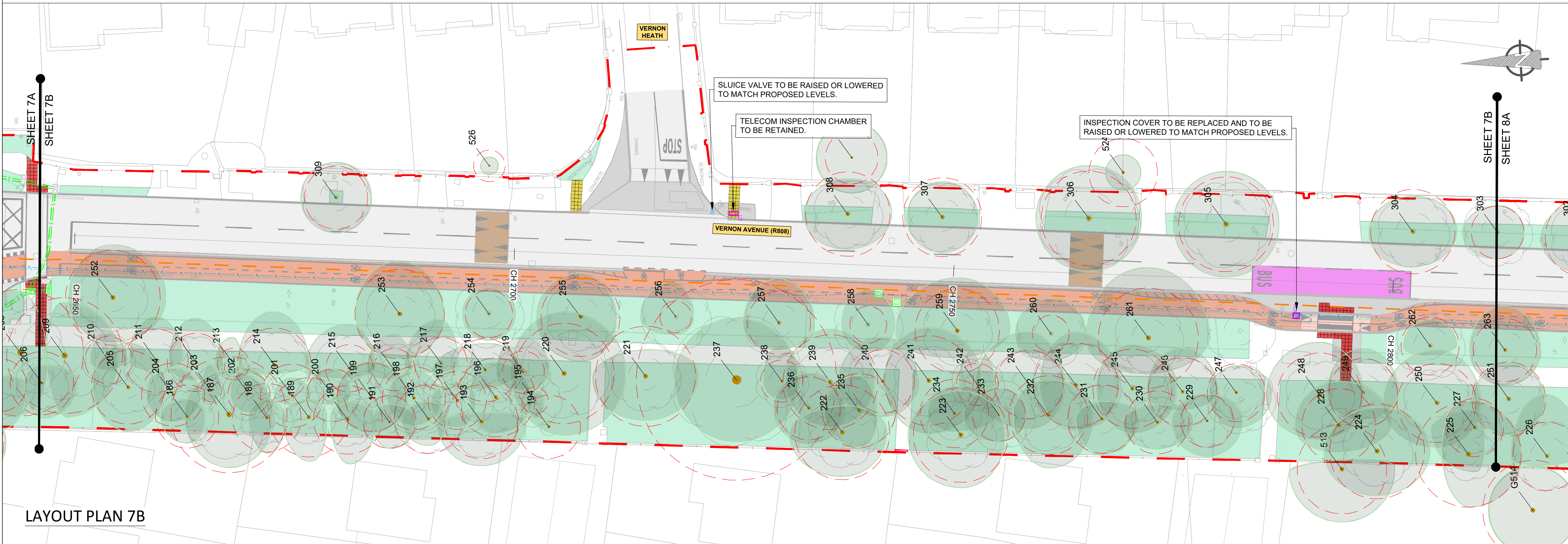
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P02	Revised Tender Issue	2026-09-08	AC	VR	KS	MF
No.	Revision	Date	Dwn	Chk'd	Rev'd	App'd
Stage						
PRELIMINARY						
APPROVAL						
TENDER						
CONSTRUCTION						

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Drawing Title		SECTION 2, GRACEFIELD ROAD TO VERNON AVENUE	
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Reviewed : KS		Scale: 1:250 @ A1	Date: 2026-09-08
Approved: MF		DACT_2109b-JAC-UTL_UL-DR-CI-2800	Rev: P02



LAYOUT PLAN 7A



LAYOUT PLAN 7B

NOTES :

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LEGEND

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- 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
- Nx 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

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CONSTRUCTION
MAINTENANCE / CLEANING
OPERATING/USE
DECOMMISSIONING/DEMOLITION

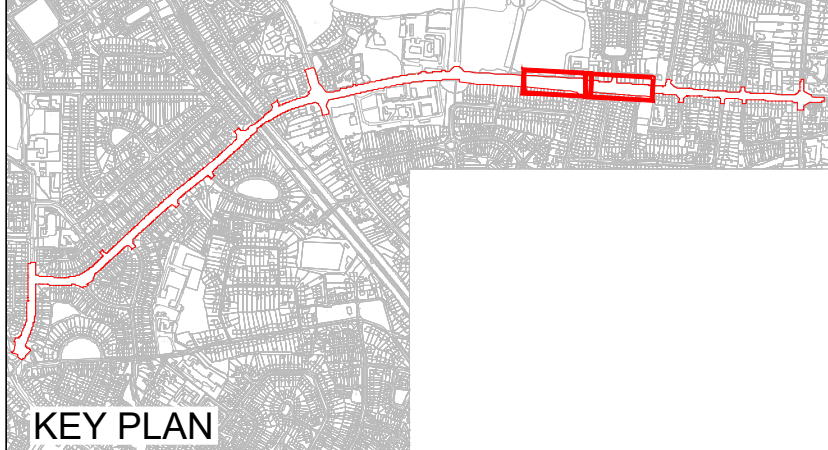


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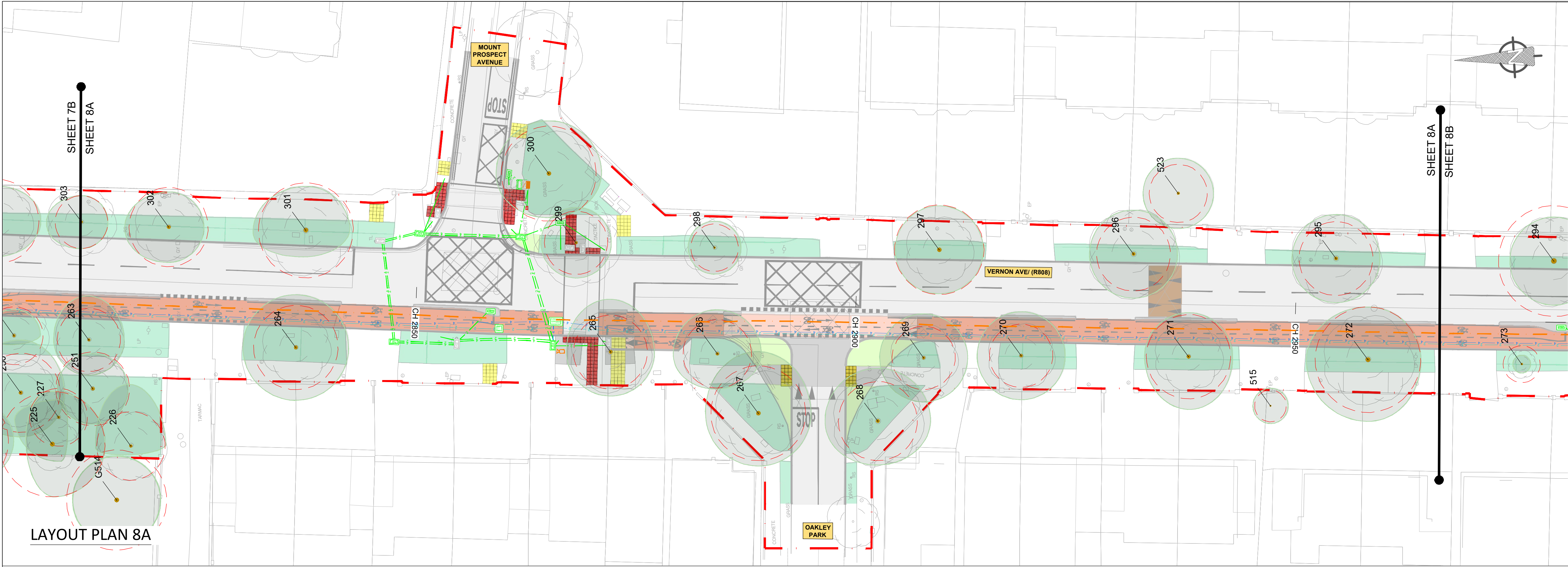
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CHRISTOPHER MANZIRA
ACTING PROGRAMME DIRECTOR

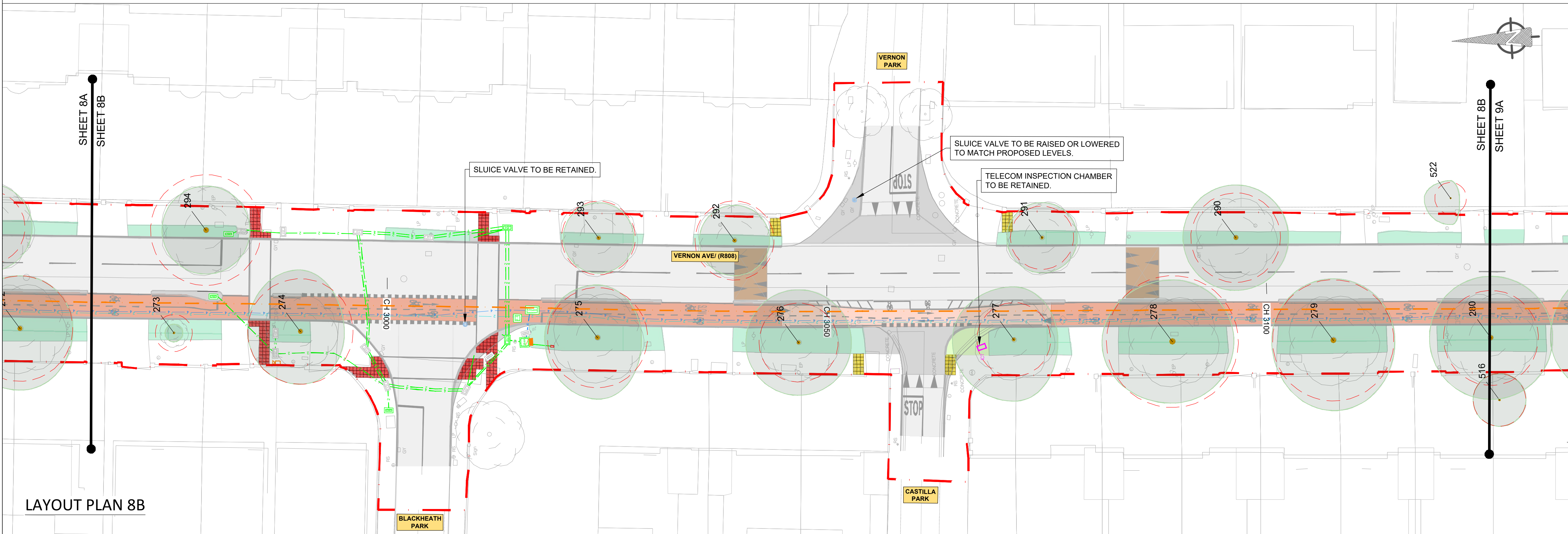


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No.	Revision	Date	Dwn	Chk'd	Rev'd	App'd
PRELIMINARY						
APPROVAL						
TENDER						
CONSTRUCTION						

Project Title		COOLLOCK TO CLONTARF ACTIVE TRAVEL SCHEME	
Section 2, GRACEFIELD ROAD TO VERNON AVENUE			
Drawing Title		DETAILED DESIGN DUCTS AND CHAMBERS	
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Checked : VR	Job No: 210009b	Date: 2026-09-08	Rev: P02
Reviewed : KS	Scale: 1:250 @ A1		
Approved: MF	DACT_2109b-JAC-UTL_UL-DR-CI-2800		



LAYOUT PLAN 8A



LAYOUT PLAN 8B

- NOTES :
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 - 1 x 110mm DIA. DUCT TO ESB SPECIFICATION
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 - EBox EXISTING ELECTRIC BOX
 - PR, EBox PROPOSED ELECTRIC BOX
 - PROPOSED 1200x600 CARRIAGEWAY CHAMBER
 - PROPOSED 800x600 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.
 - 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 CANOPY
 - 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 risks specific to the project only, which may be affected by changes, unusual or not fully anticipated, to the contractor's operational practices and is not a definitive list of all health & safety risks arising from the works.
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- CONSTRUCTION
- MAINTENANCE / CLEANING
- OPERATING/USE
- DECOMMISSIONING/DEMOLITION

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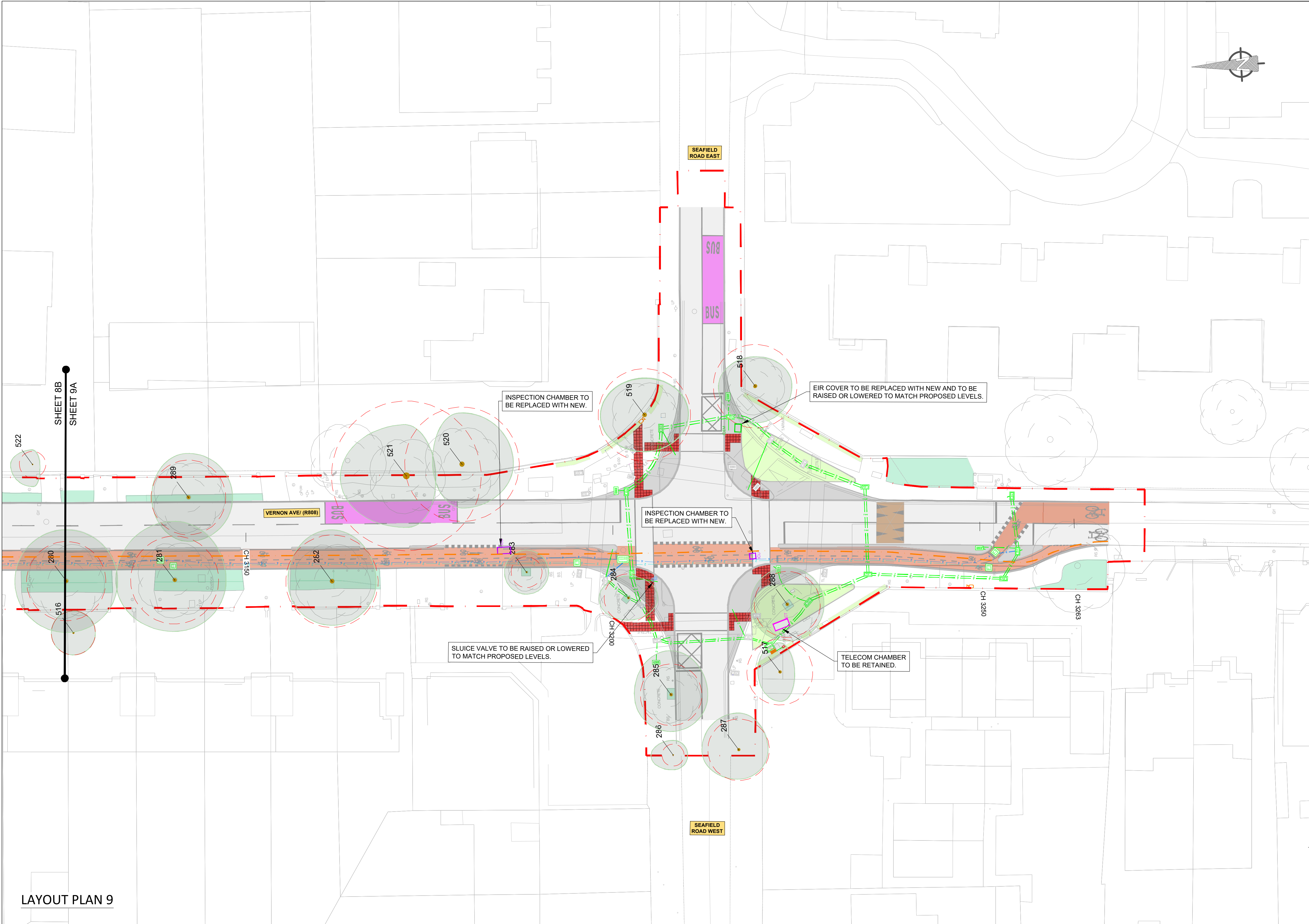
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ACTING PROGRAMME DIRECTOR

P01	Issued for Tender	2026-09-04	AC	LS	AG	KS
P02	Revised Tender Issue	2026-09-08	AC	VR	KS	MF
No.	Revision	Date	Dwn	Chk'd	Rev'd	App'd
PRELIMINARY						
APPROVAL						
TENDER						
CONSTRUCTION						

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

Drawing Title
DETAILED DESIGN
DUCTS AND CHAMBERS

Drawn : AC	Drawing No: DACT_2109b-JAC-UTL_UL-DR-CI-2800-08.dwg	Sheet : 8 of 9	Status: S5
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Reviewed : KS	Scale: 1:250 @ A1		
Approved: MF	DACT_2109b-JAC-UTL_UL-DR-CI-2800		



LAYOUT PLAN 9

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 800x600 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 Identification and Risk Reduction form. The above hazards/risks comprise significant risks specific to this project only, which may be offset by measures, 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