

Royal Canal Greenway Phase 3 Project



Central Area Committee Update – 18/01/2023



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Project Ireland
2040



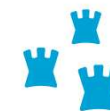
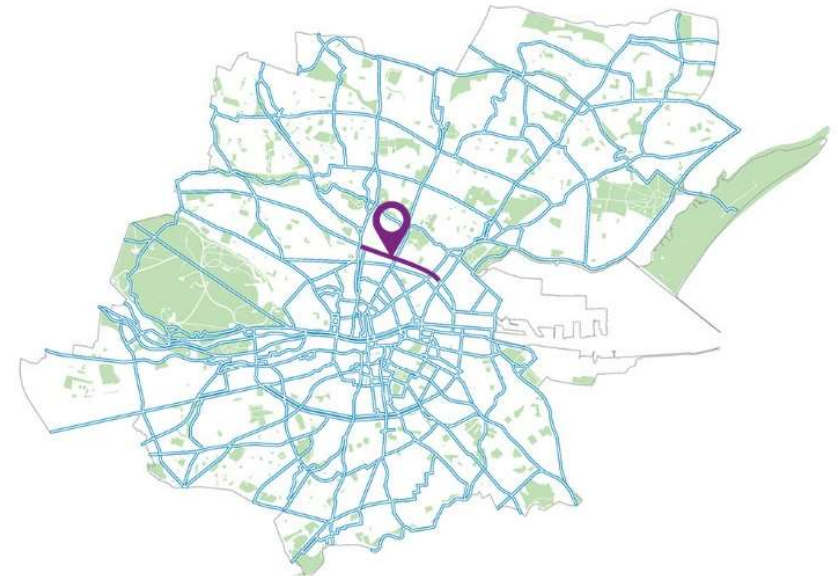
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Bhaile Átha Cliath
Dublin City Council

Agenda

- Introductions
- Project update
 - Landscaping
 - Engineering
 - Typical cross section
 - Ramps
 - Piling
- Communications
- Next Steps
- Introduction of Contractor – Jons Civil Engineering
- AOB



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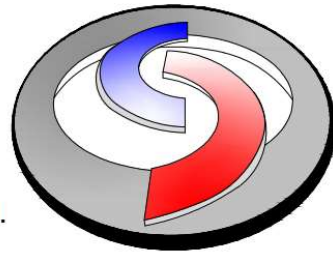
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Dublin City Council

Introductions

Designer

OCSC

Multidisciplinary Consulting Engineers



O'Connor Sutton Cronin & Associates Ltd.

9 Prussia St.,
Dublin 7.

TEL +353 (0)1 8682000
FAX +353 (0)1 8682100

e: contactus@ocsc.ie
w: www.ocsc.ie



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Contractor



Jons Civil Engineering Company Ltd.

Carranstown, Duleek, Co. Meath, A92 K654

TEL (353) (041) 982 3682

Website: www.jonscivil.ie



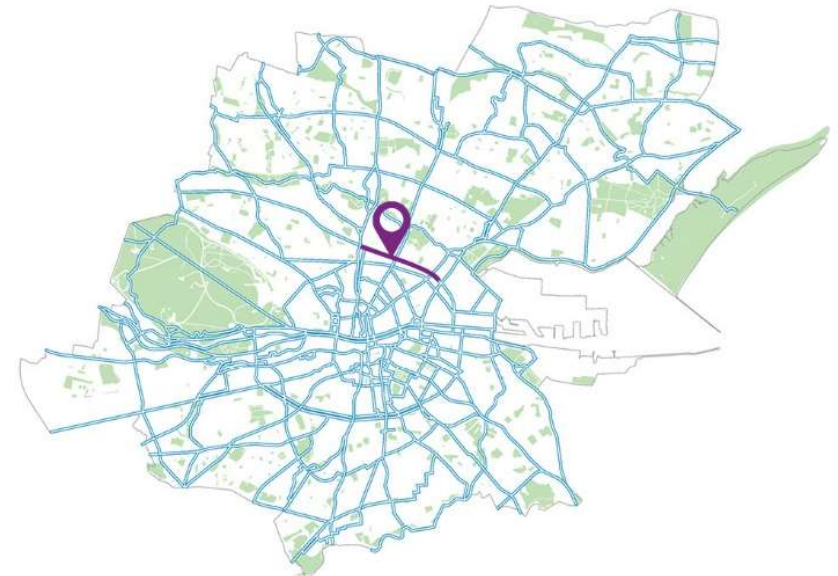
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NTA GDA Cycle Network Plan 2013: Greenway Route



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Royal Canal
Phase 4

Phibsborough Road

Drumcondra Road

Russell Street

Ballybough Road

North Strand Road

Royal Canal Greenway Phase 3

Royal Canal
Phase 2

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NTA
Údarás Náisiúnta Iompair
National Transport Authority



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Timeline

Sustainable Transport Measures Grant (NTA, 2012)

- 2013 Design Team Appointed
- 2015 Part 8 Approved
- 2022 (April) - Tender Issued
- 2022 (December) – Contractor Appointed
- 2023 (January) – Construction Commences
- 2023 (March / April) – Binns Bridge Part 8 process starts
- 2025 (Q2) – Construction Complete



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Key metrics

- 2.1 km of footpaths and cycle tracks
- Following existing tow paths which will require localised widening
- Replacement of existing public lighting heads along the entire route
- Replacement of CCTV infrastructure along the entire route
- New pedestrian / cycle bridge east of Lock 3
- A services crossing of the canal at a point east of Lock Gate 3
- Various minor concrete, masonry and retained earth structures
- Bollards, signage, road markings
- Net gain of trees on the scheme
- 5 no. new signalised toucan crossings or junction signal upgrades



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Between Croke Park and Summerhill



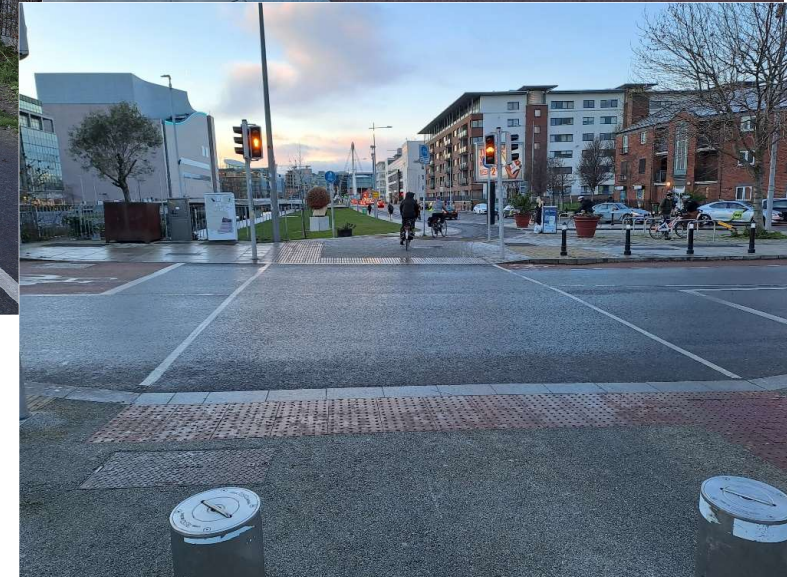
Charleville Mall

4 no. new signalised toucan crossings or junction signal upgrades

- Phibsborough Road
- Drumcondra Road
- Russell Street
- Ballybough Road
- ~~North Strand Road~~
(install by C2CC project)



Example photos of similar Toucan crossing
with Sherriff Street
ie where Royal Canal Phase 1 and Phase 2 meet



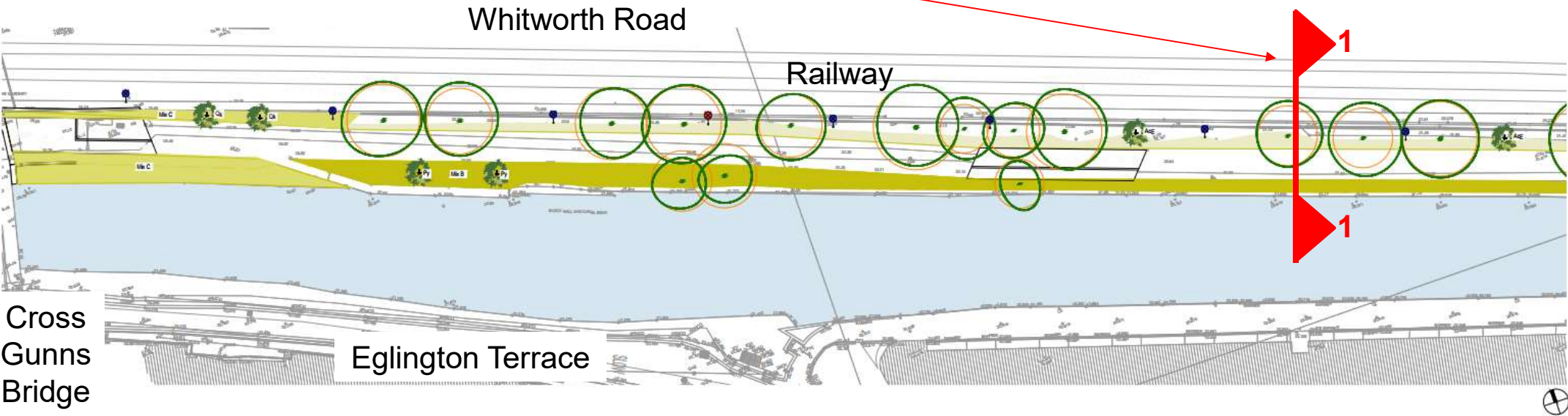
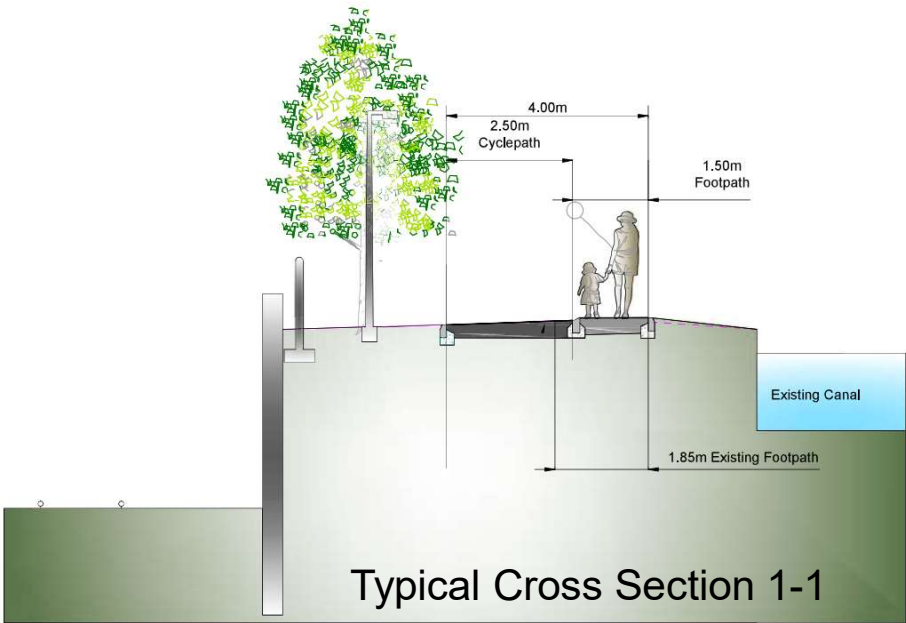
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Landscape Plan

- Existing Trees
- Root Protection Area
- Trees to be removed
- Public Lighting









OCSC

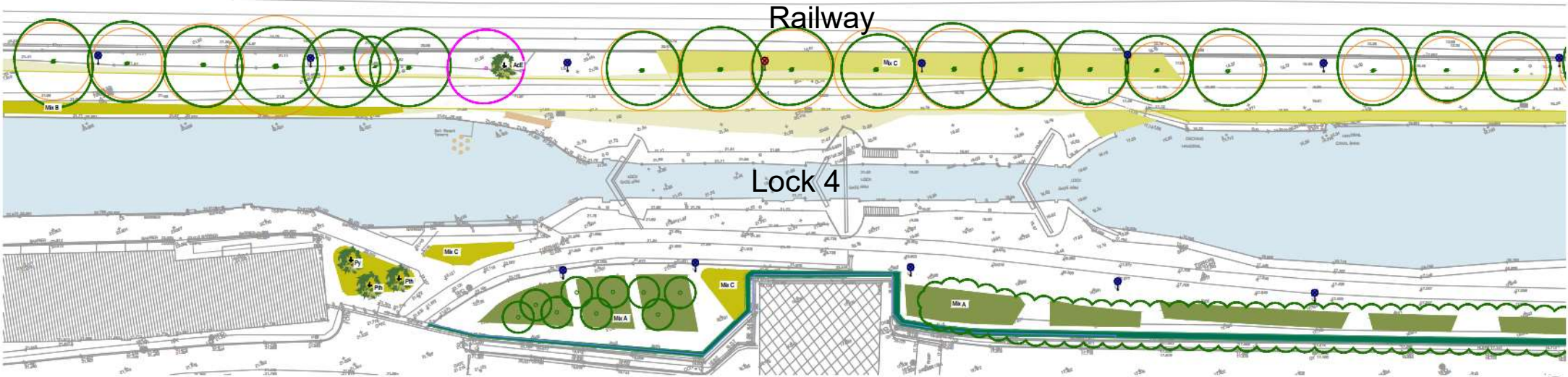
O'CONNOR · SUTTON · CRONIN
MULTIDISCIPLINARY CONSULTING ENGINEERS

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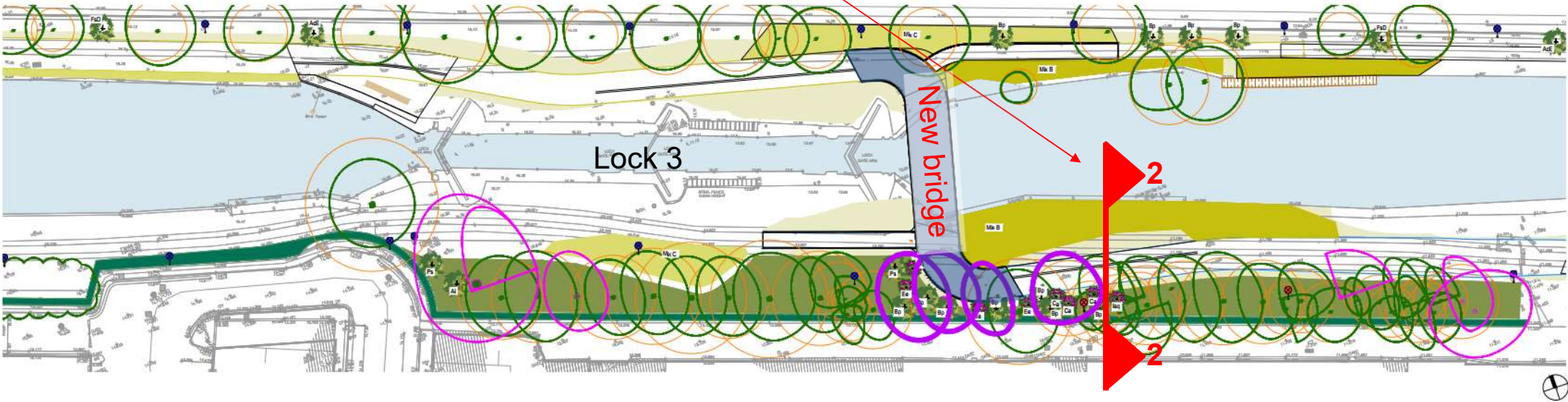
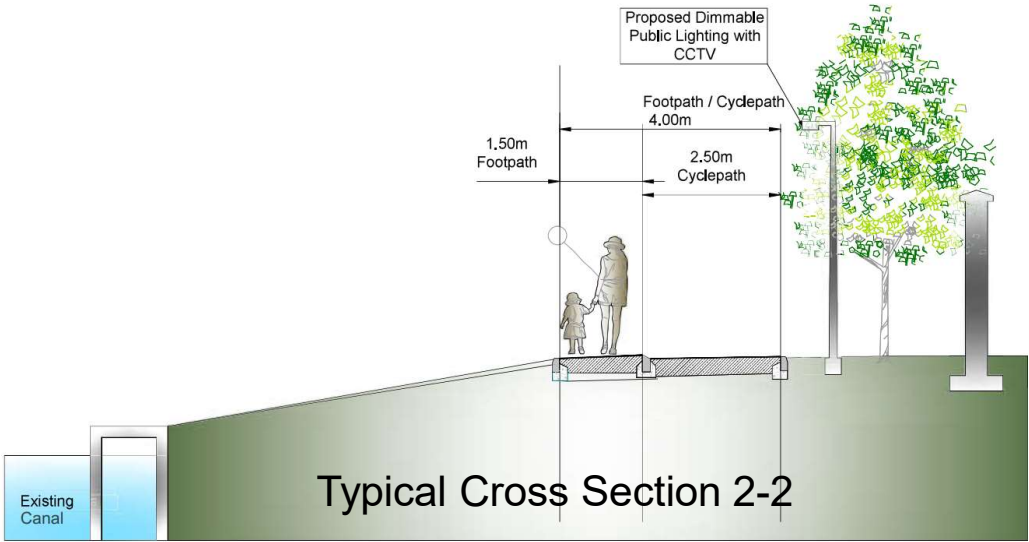


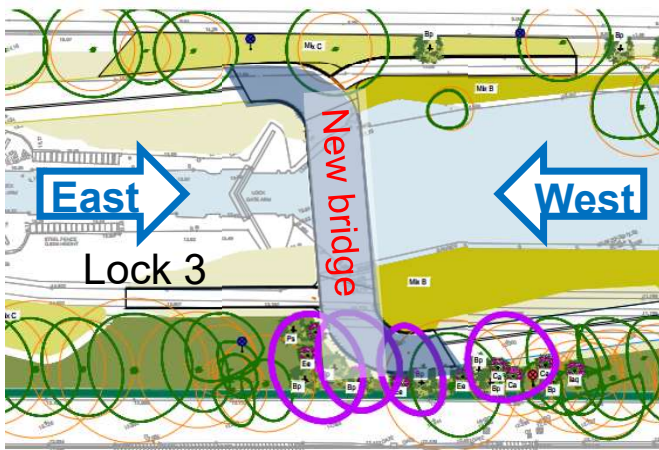
Whitworth Road



Landscape Plan

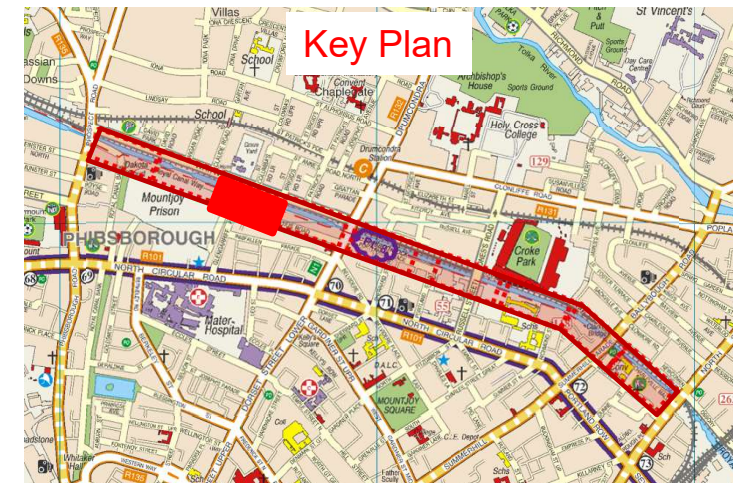
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New Bridge

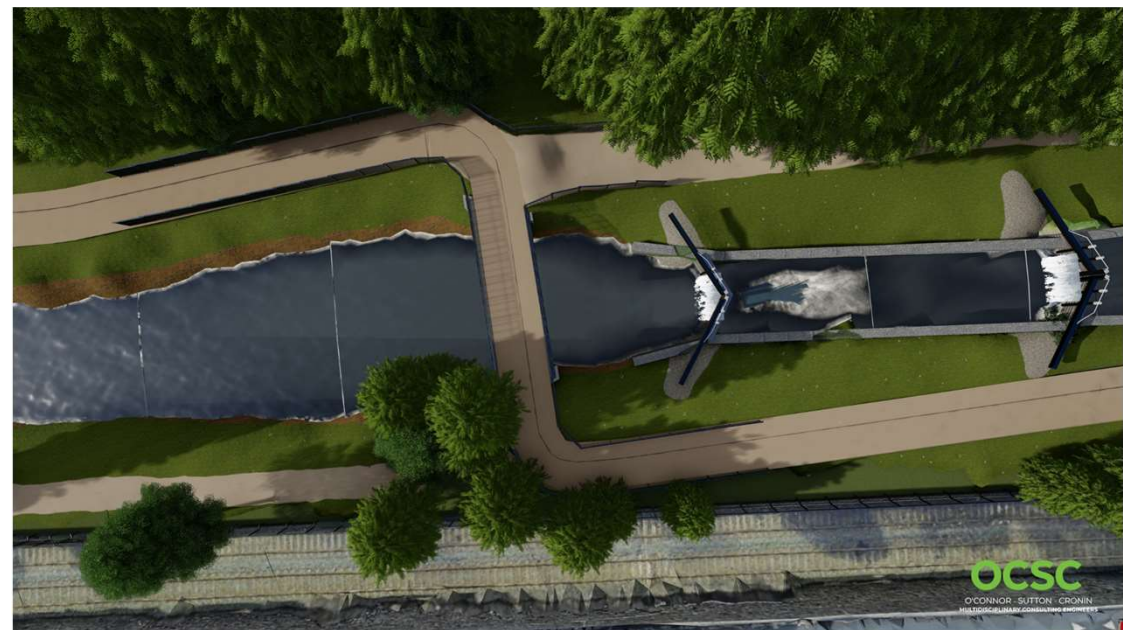
Computer Generated Image



Eastbound view



Westbound view



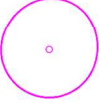




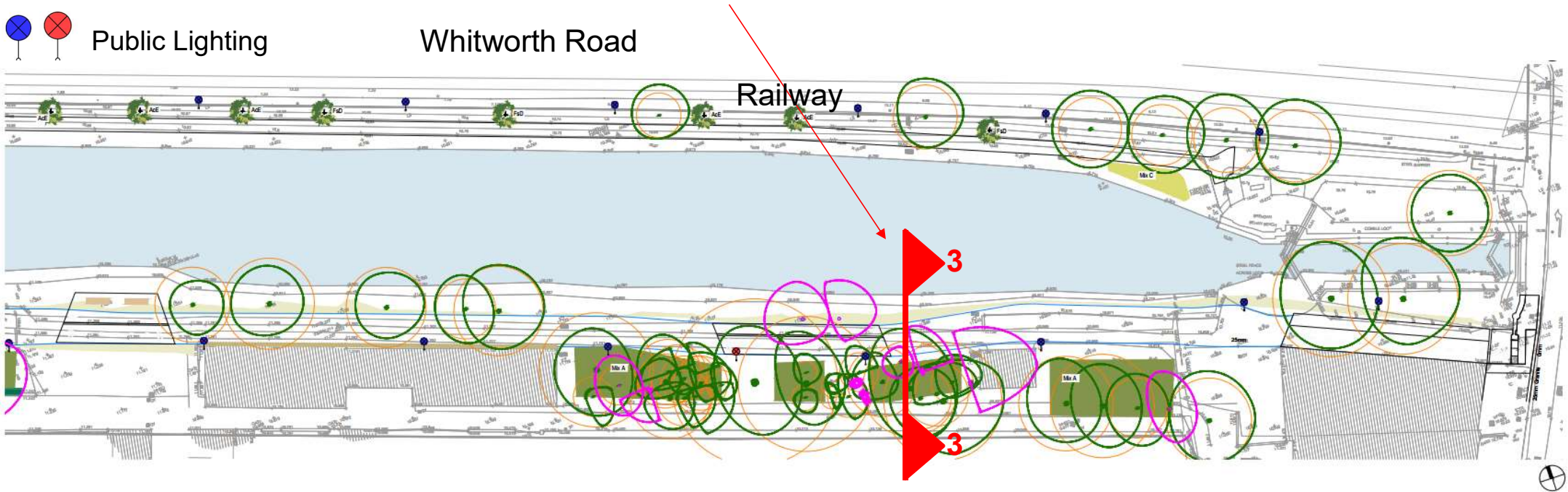
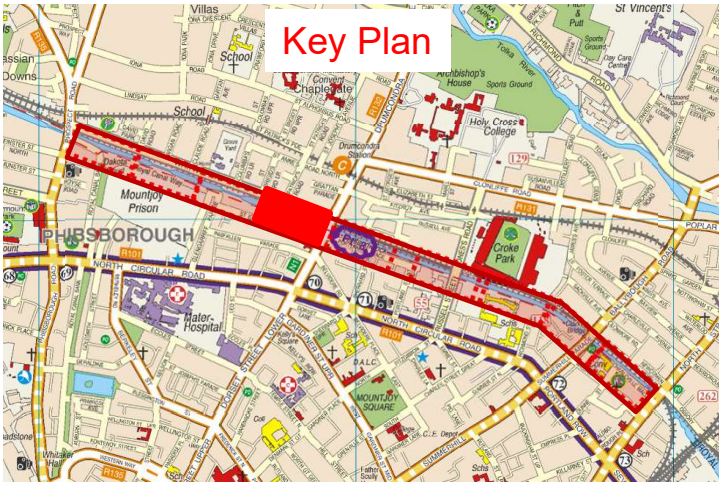
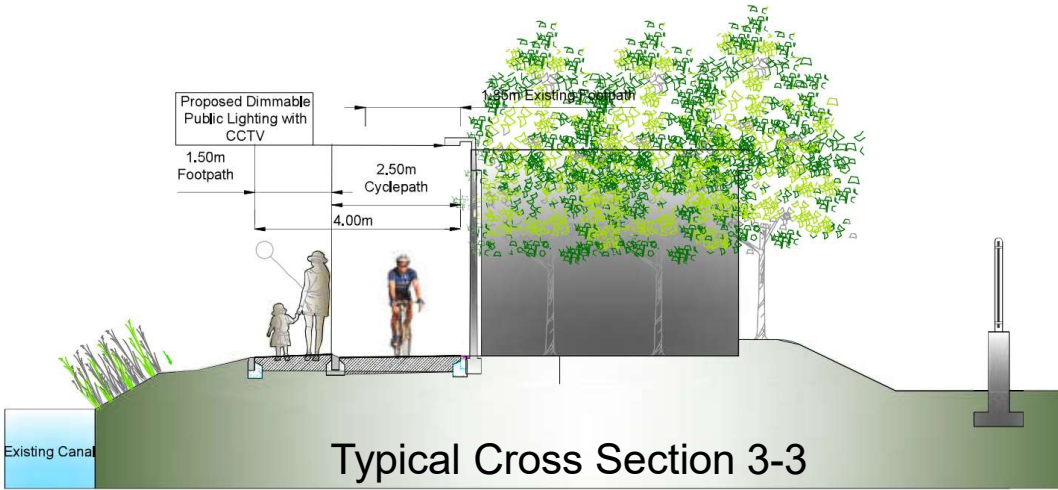
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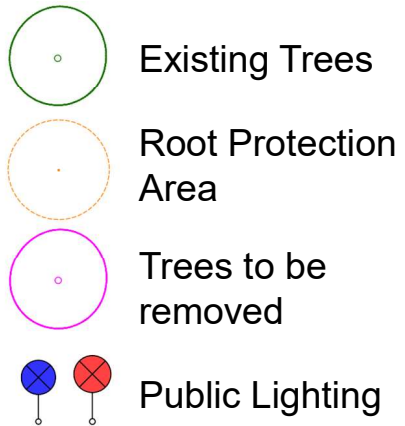
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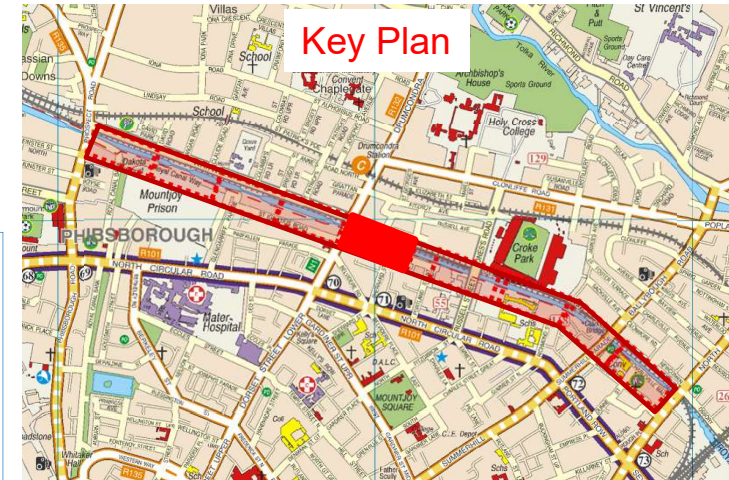


Landscape Plan

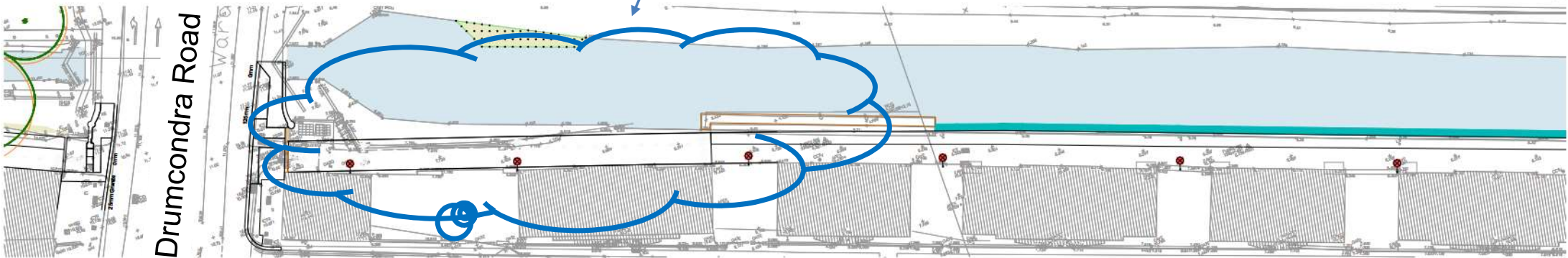


Part 8 Process

- Part 8 application is prepared and is envisaged to be submitted to the Area Committee March / April
- Proposal to soften the gradient to accommodate cyclists of all ages.
- Opens up the area by the Bridge



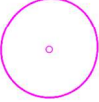



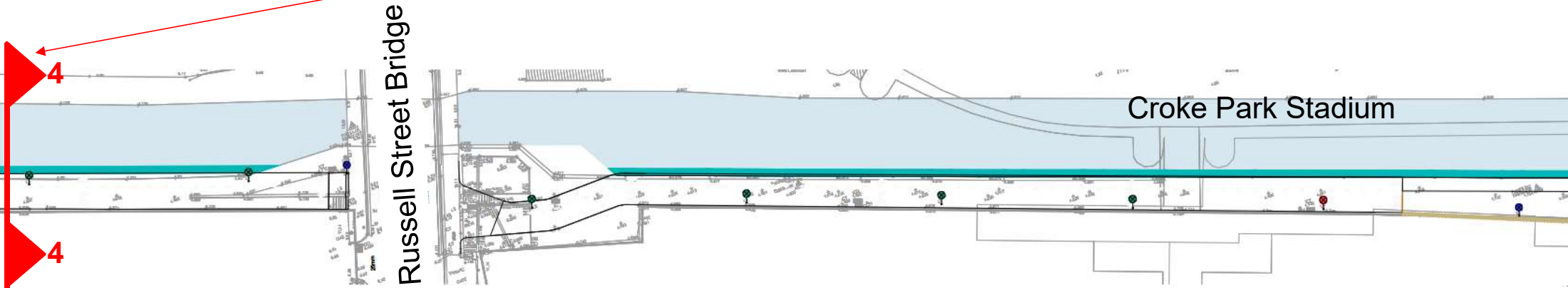
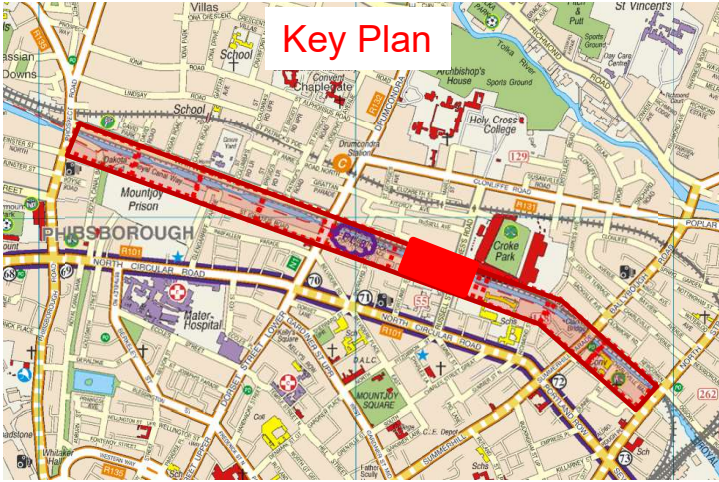
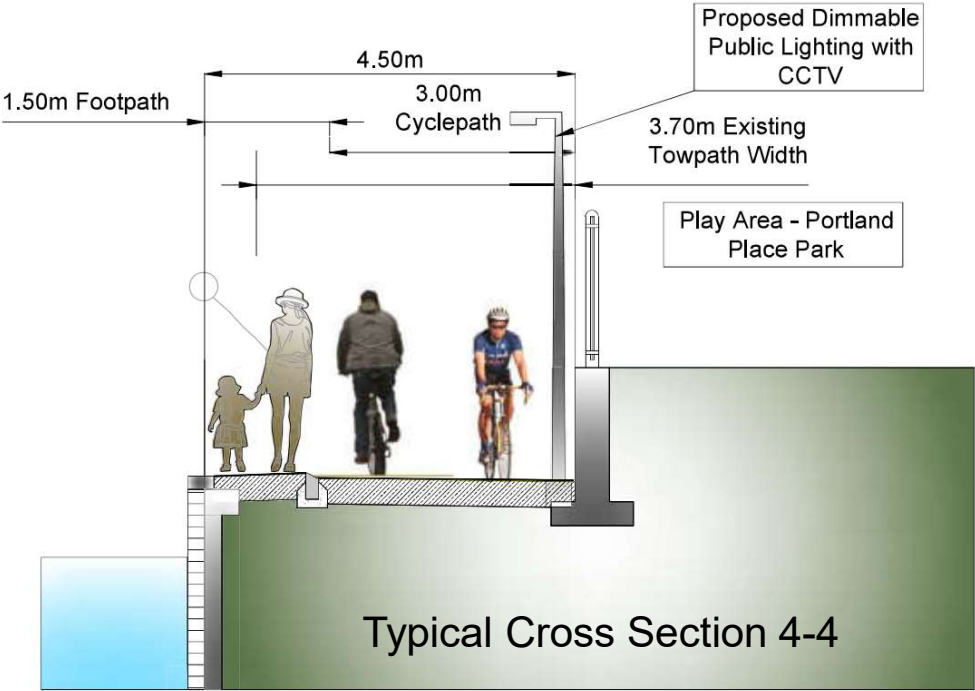
Drumcondra Road








Portland Place

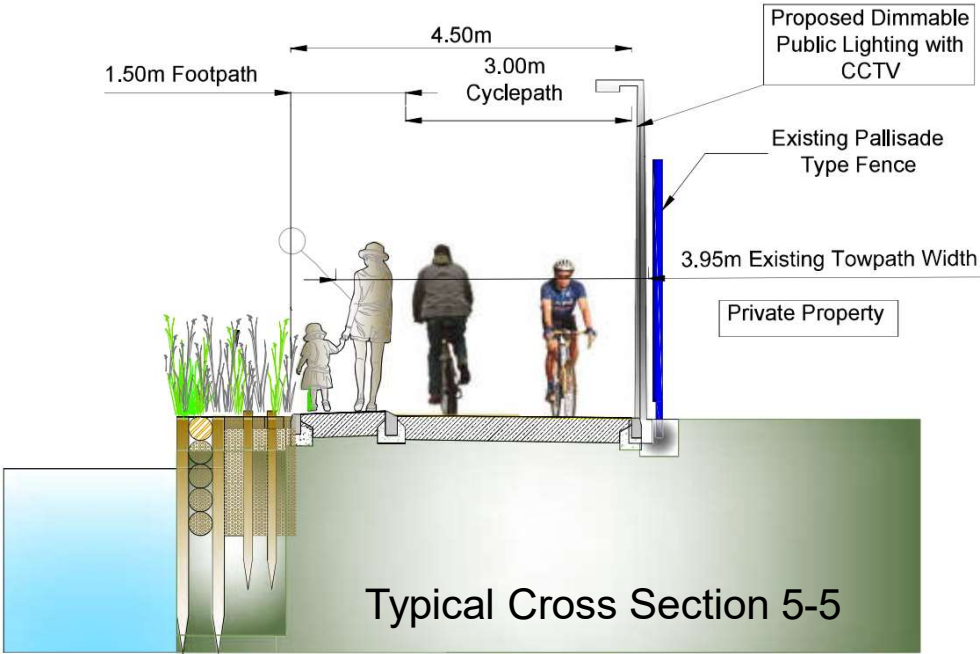
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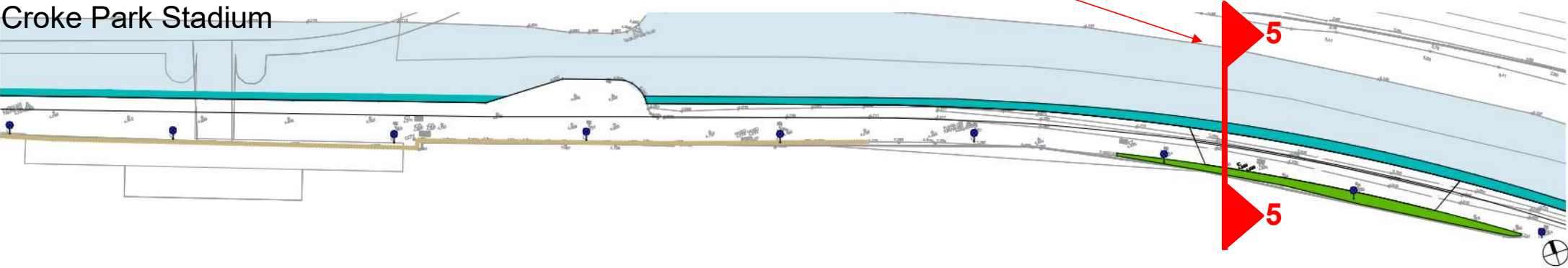


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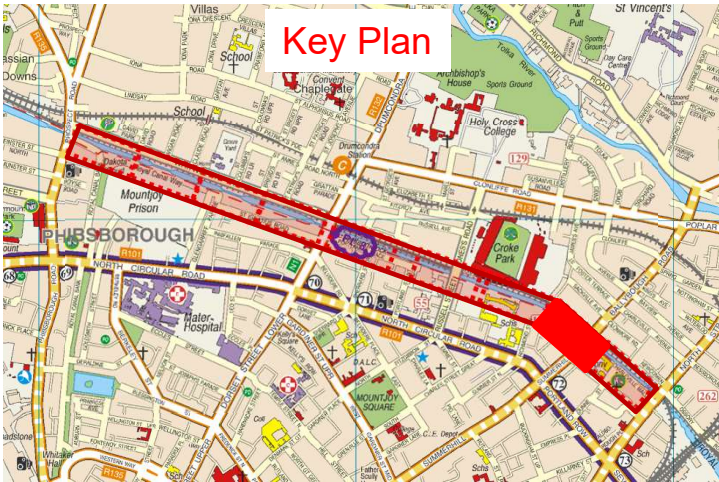
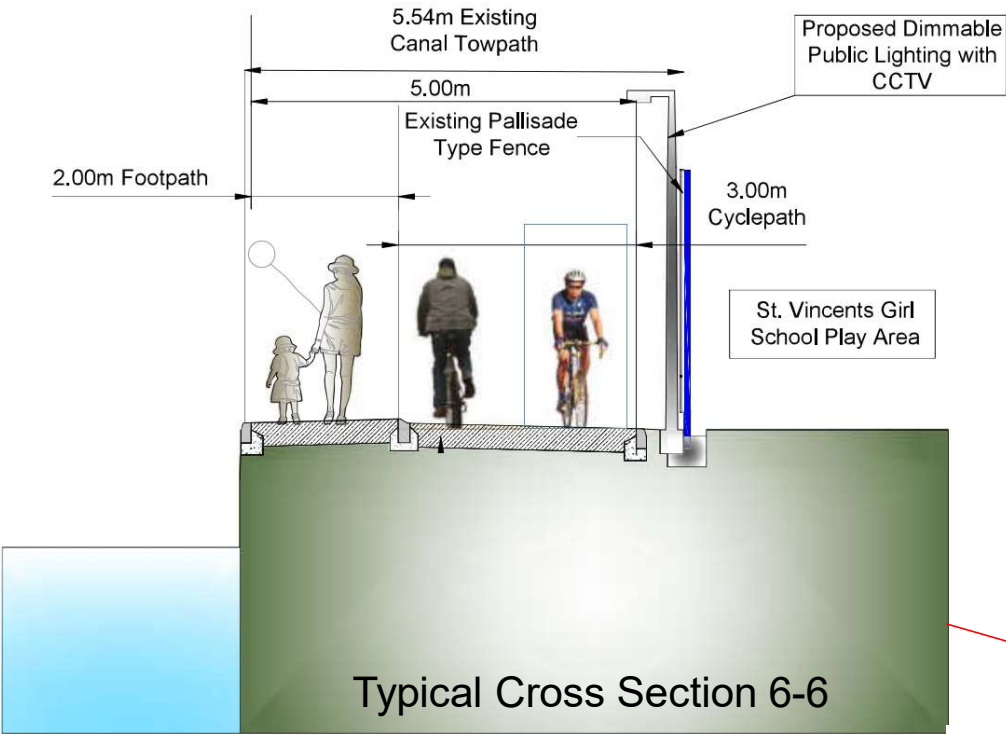


Croke Park Stadium

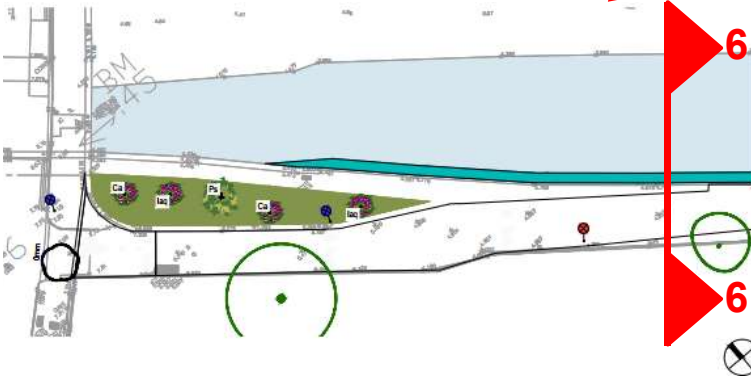


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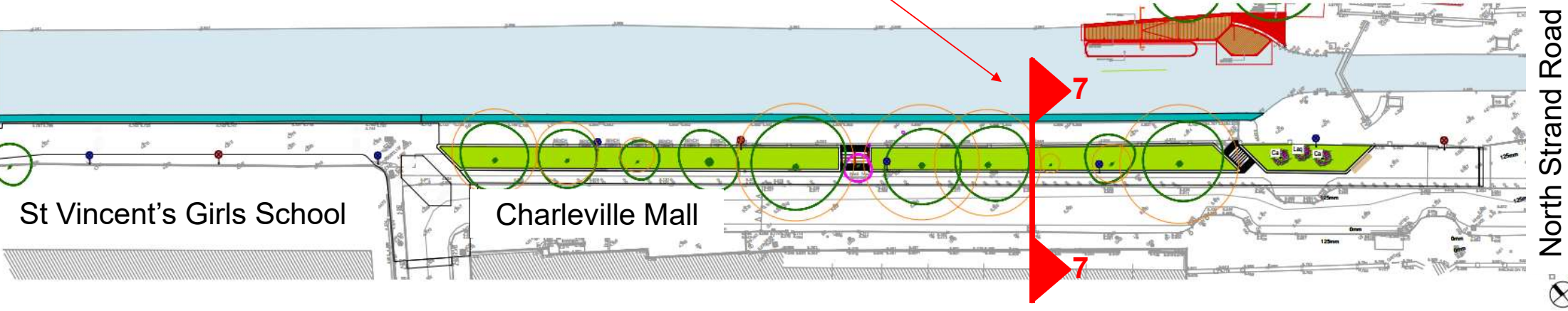
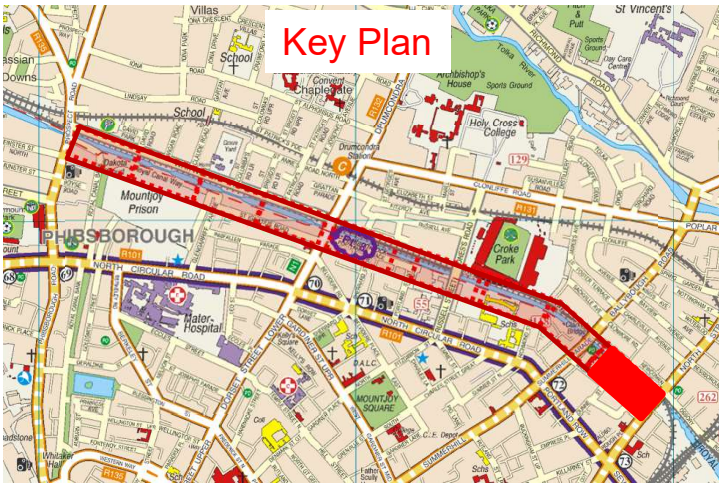
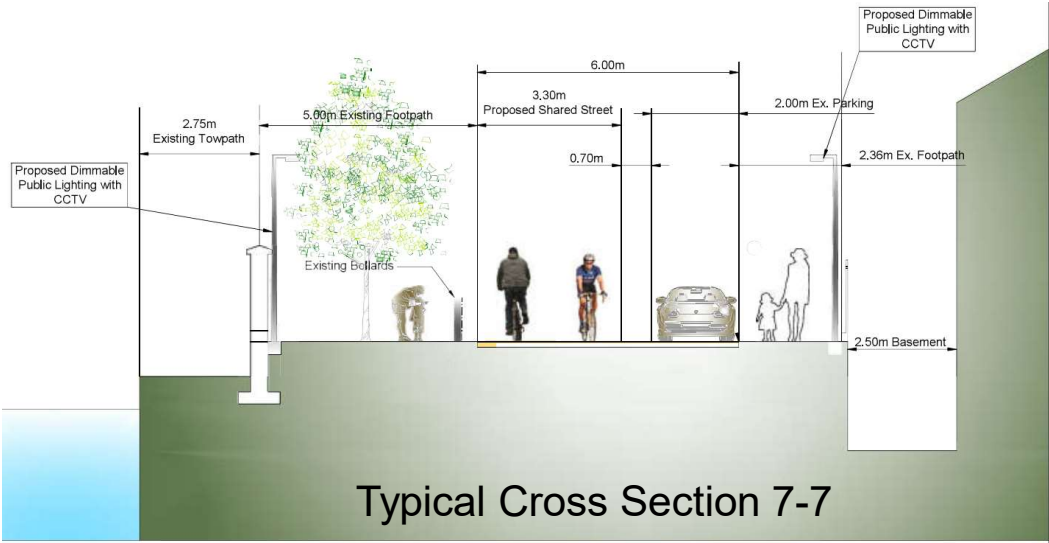


Summerhill Parade



Landscape Plan

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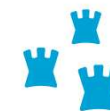
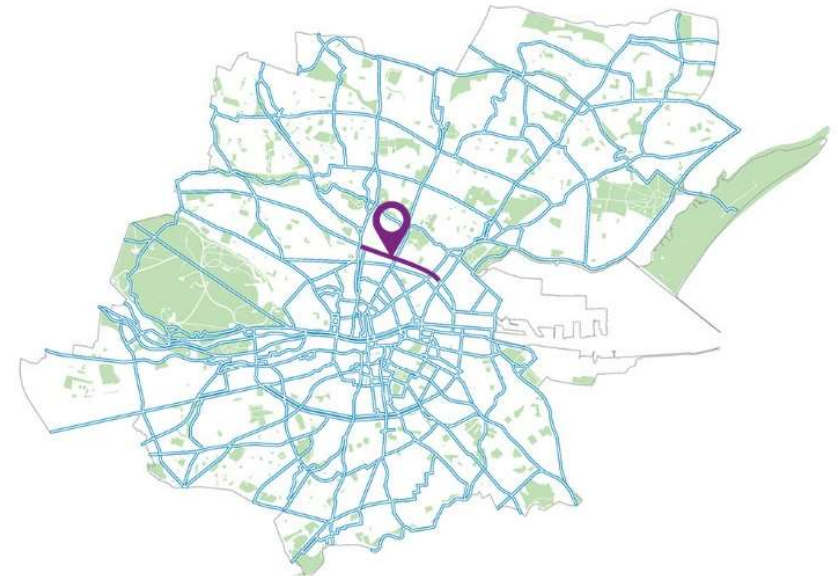


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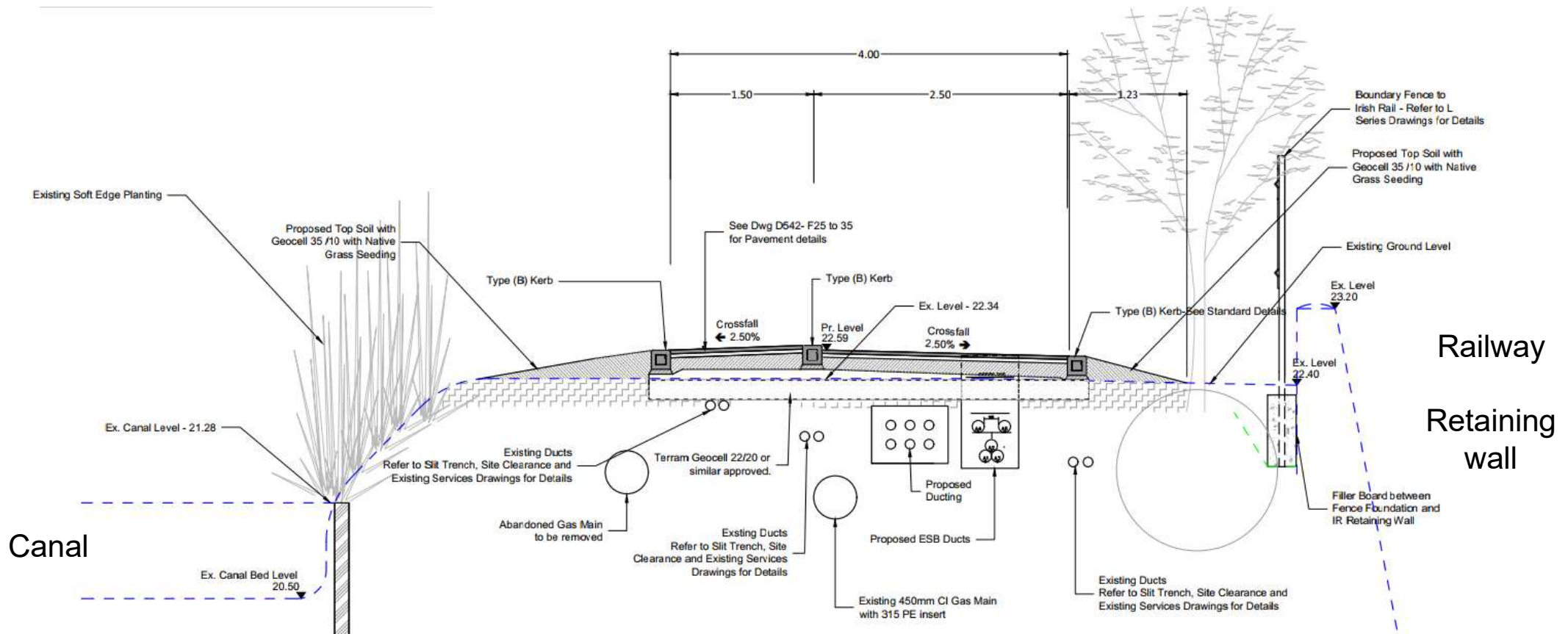
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Typical Park Cross Section

- 4m cross section (1.5m pedestrian & 2.5m cyclist)
- 50mm vertical segregation via angled kerb
- Pedestrian by canal as per Waterways Ireland's requirements
- Fence at Irish Rail boundary for safety



Royal Canal
Phase 4

RAMPS

Drumcondra Road

Russell Street

Ballybough Road

Royal Canal Greenway Phase 3

Royal Canal
Phase 2

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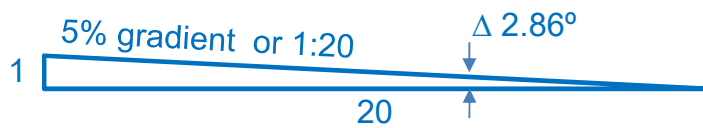


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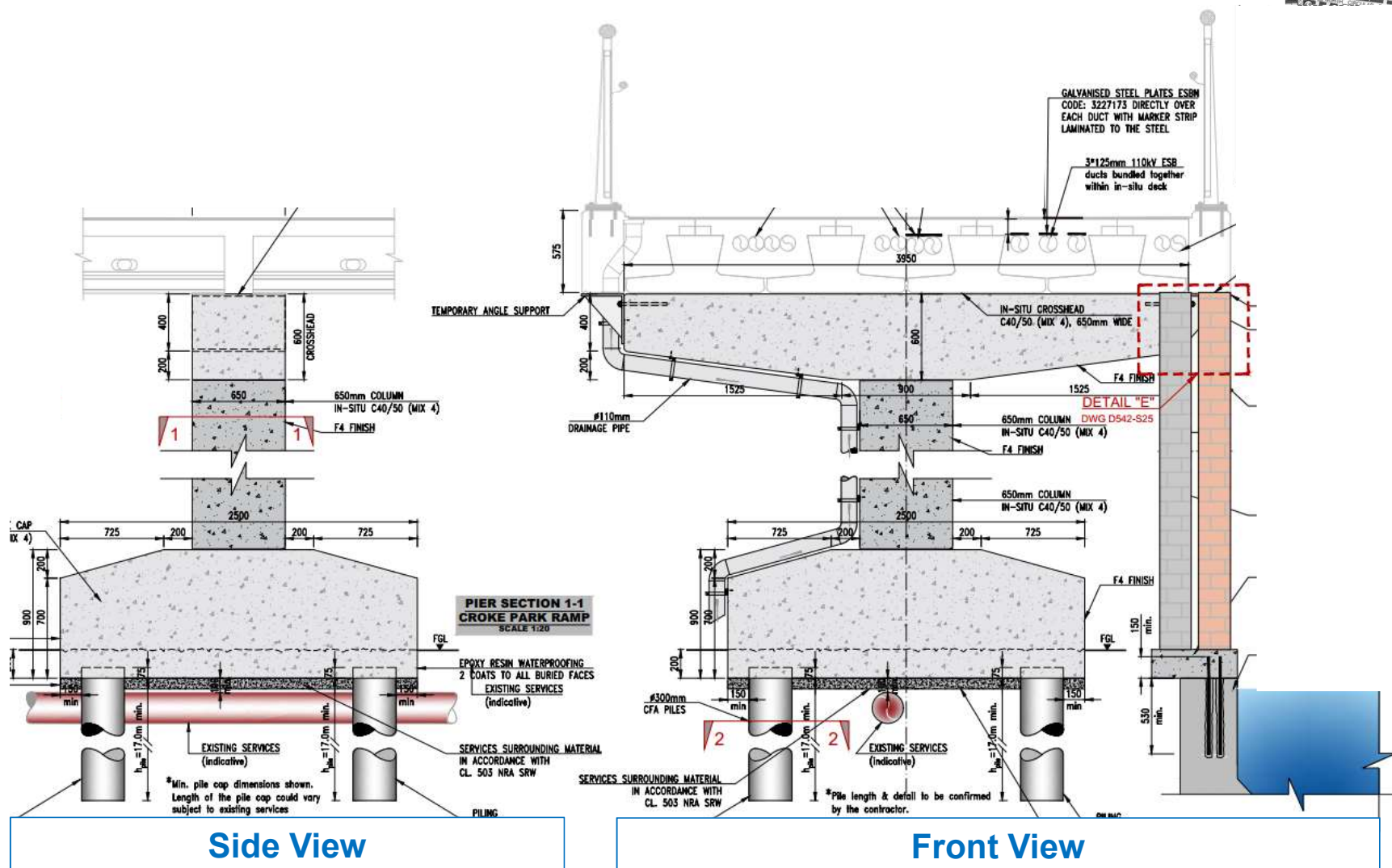
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National Transport Authority



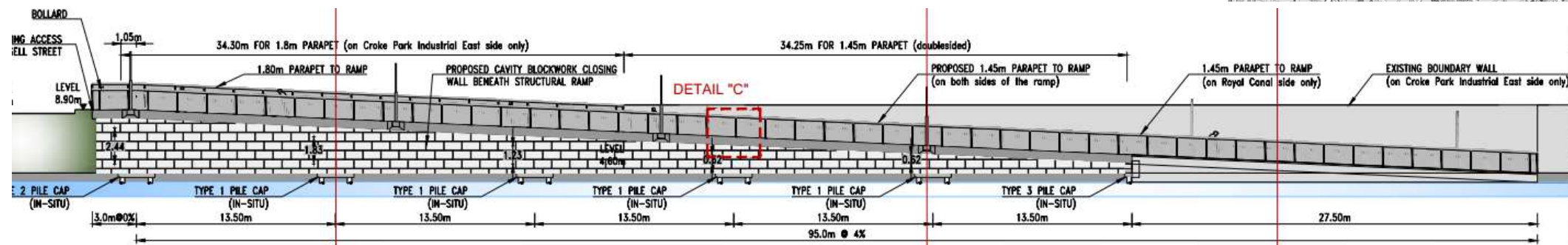
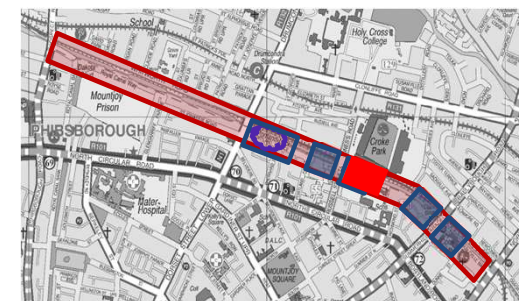
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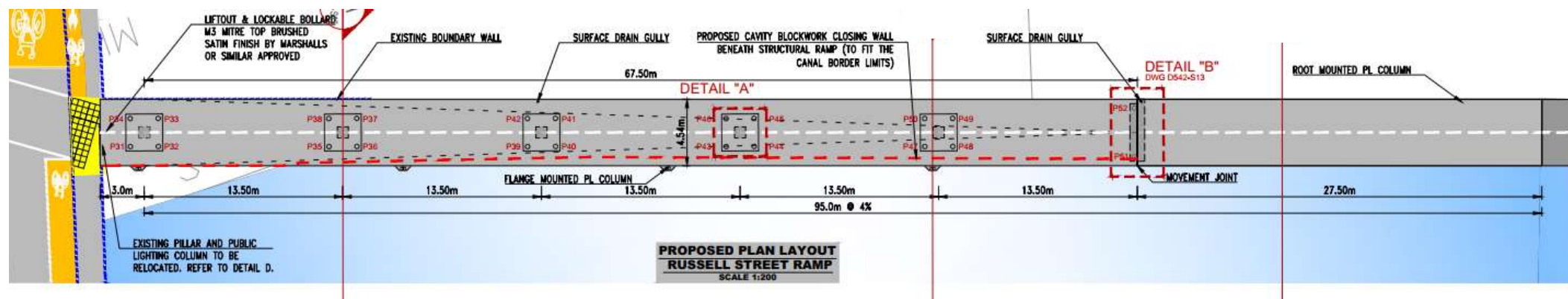
Russell Street West Ramp

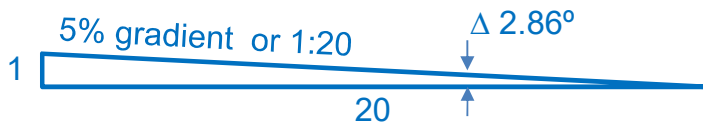


Russell Street East Ramp

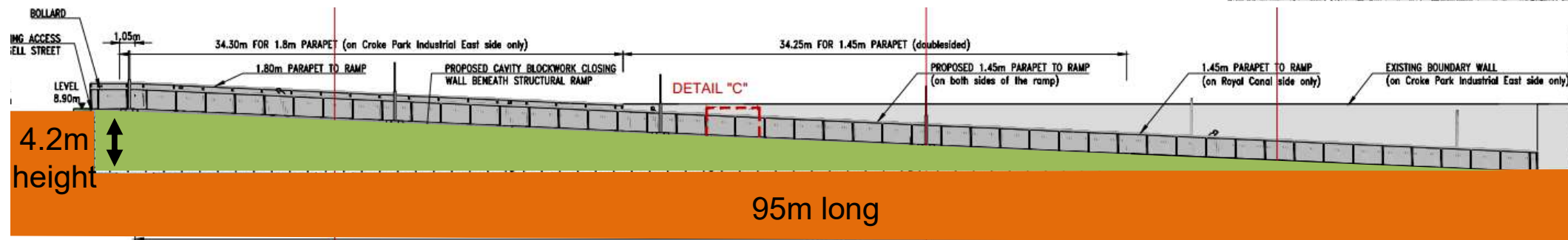
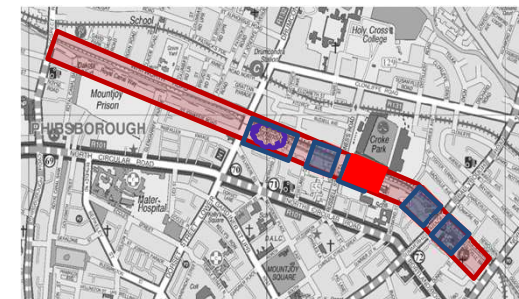


Russell Street

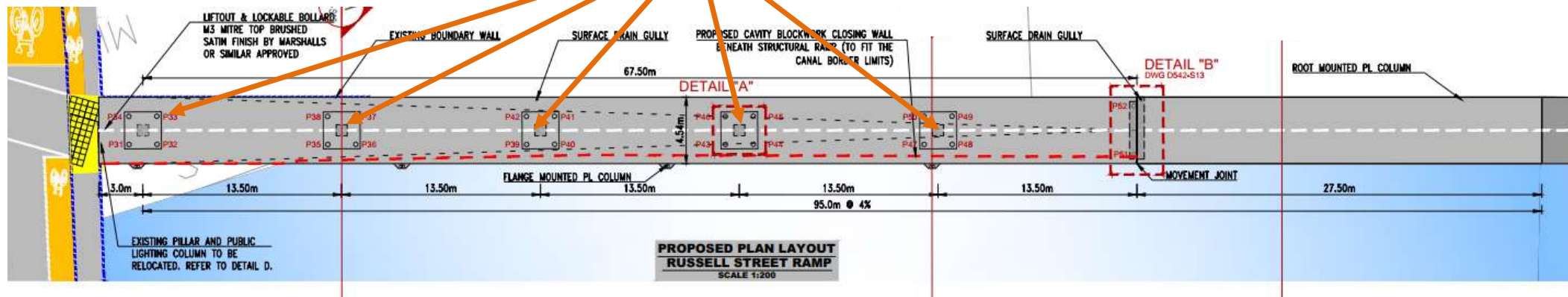


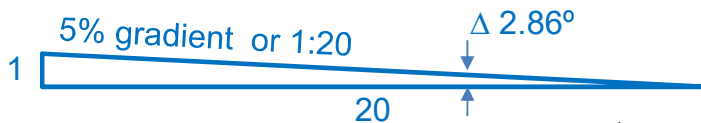


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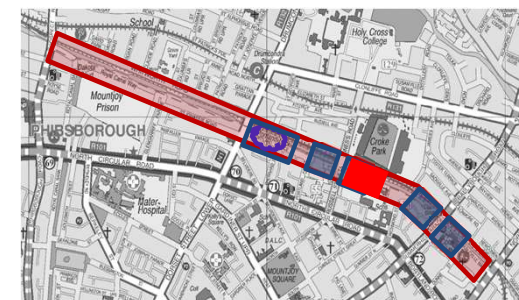
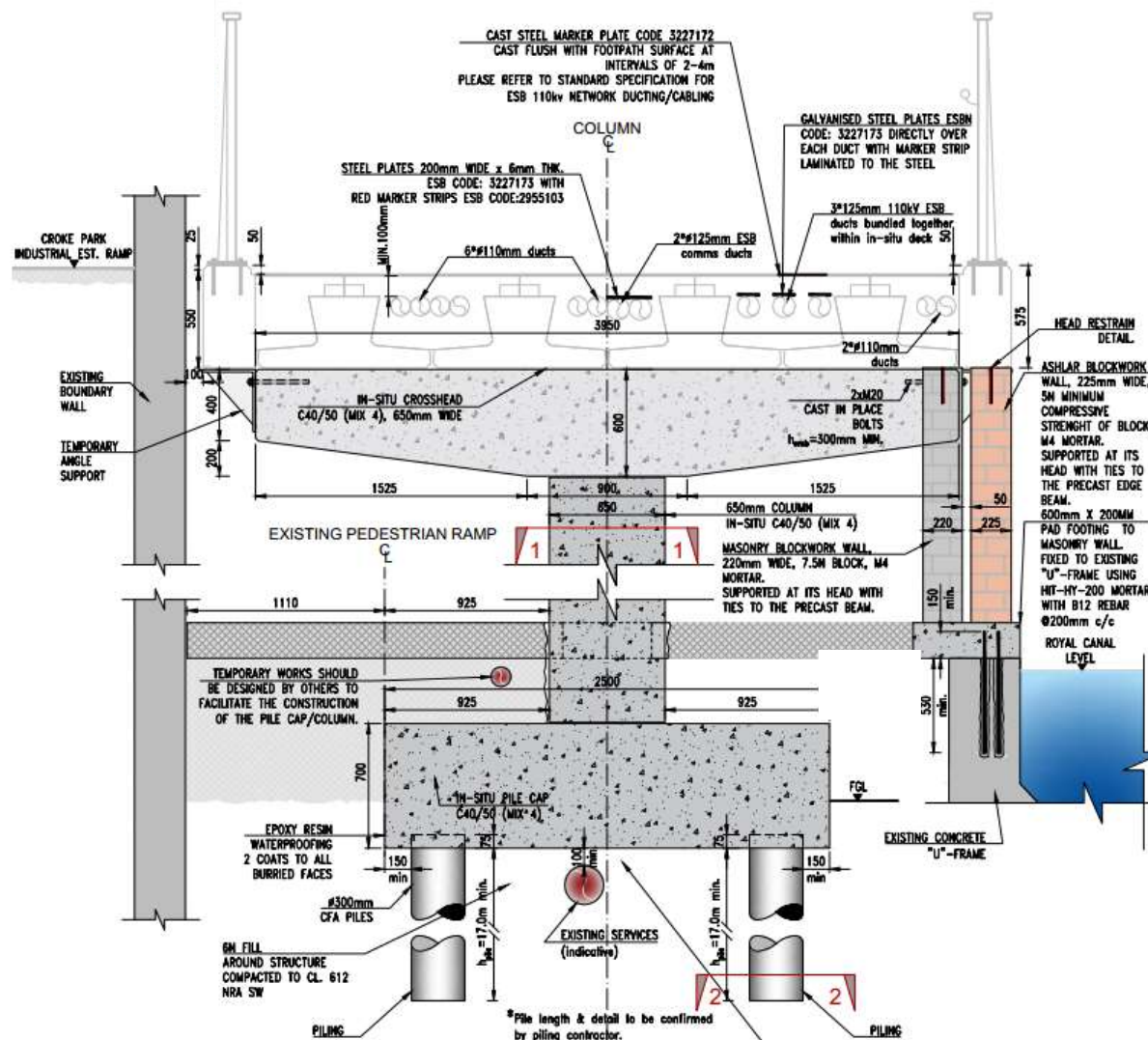


5 Piers

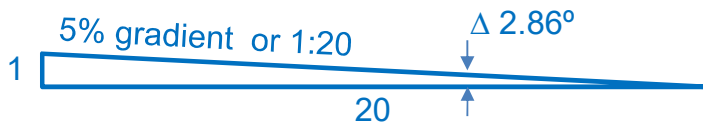




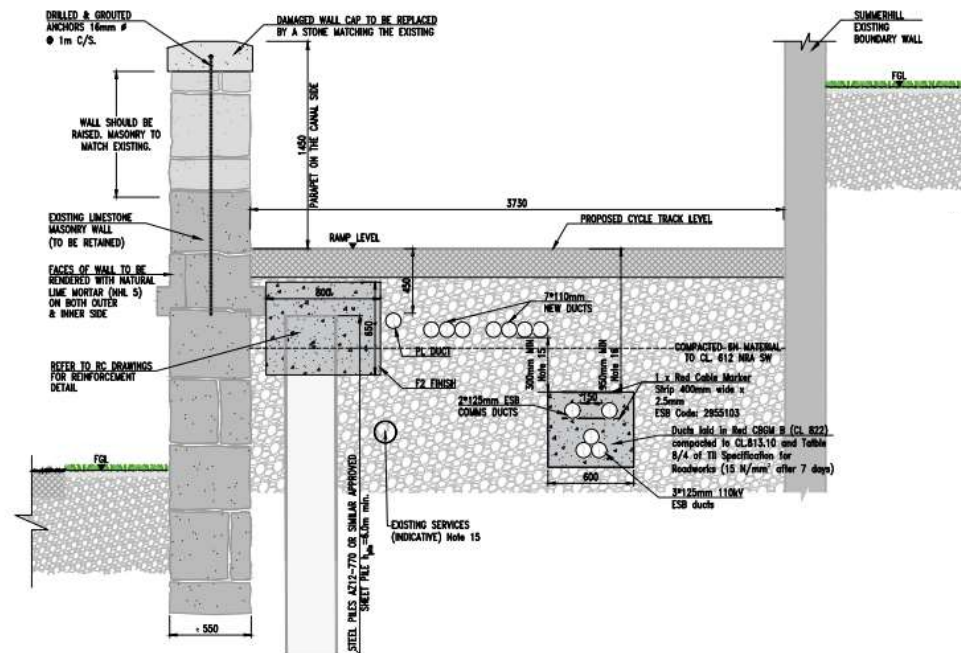
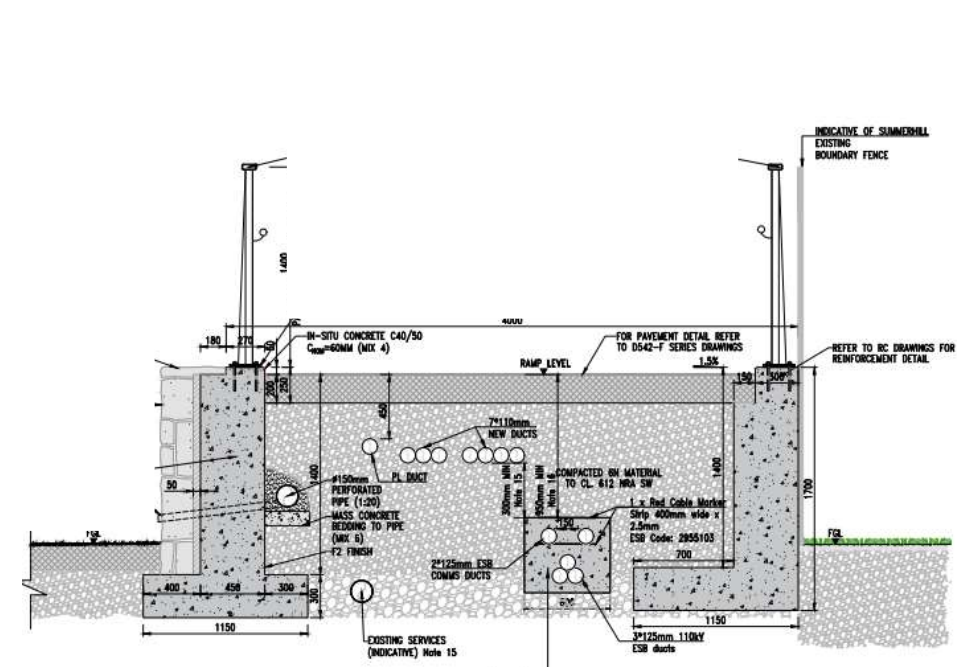
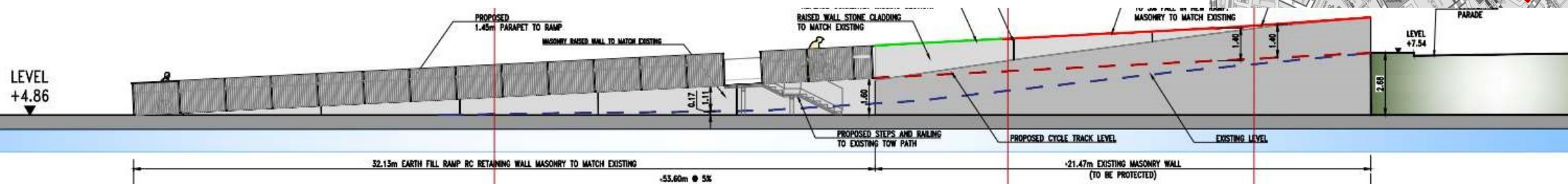
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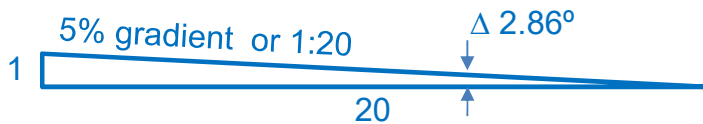


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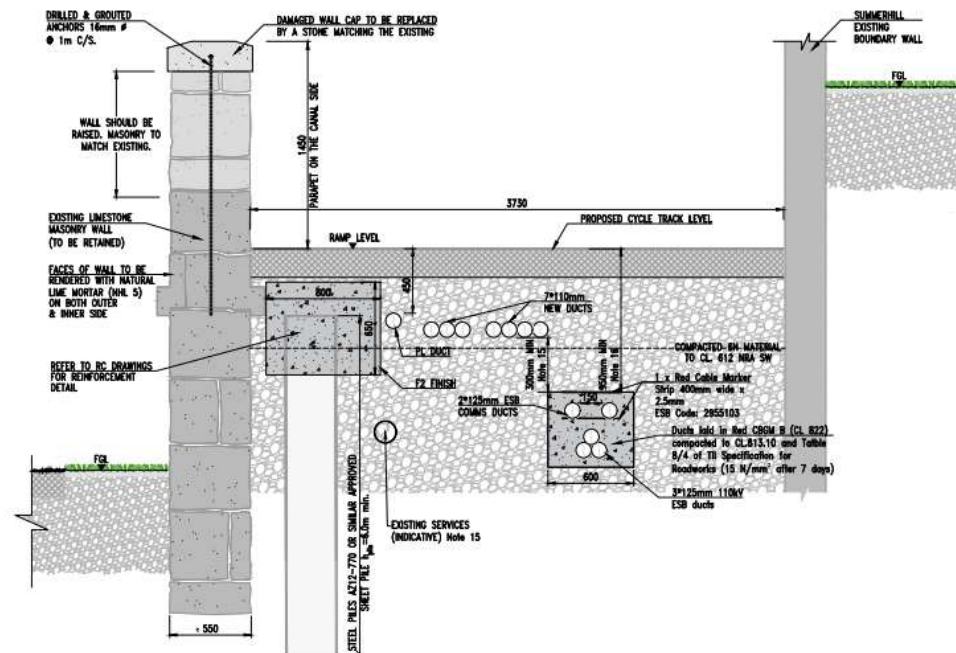
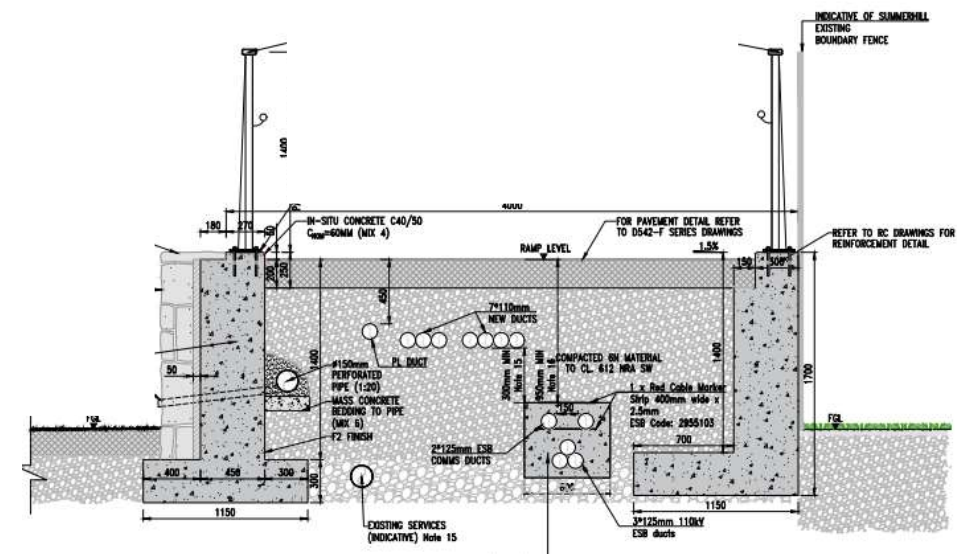
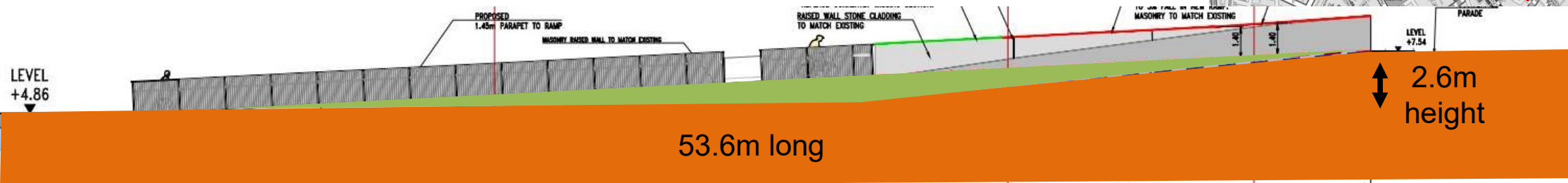


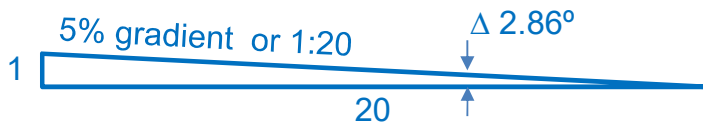
Summerhill West Ramp



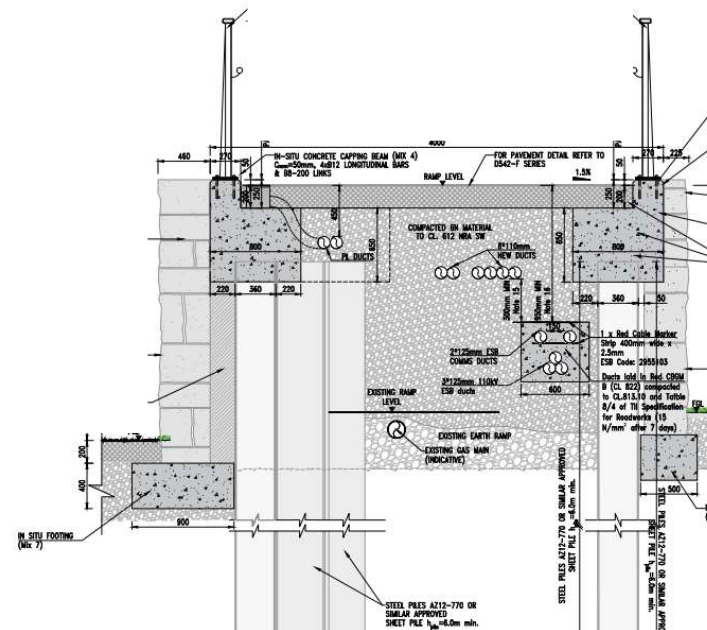
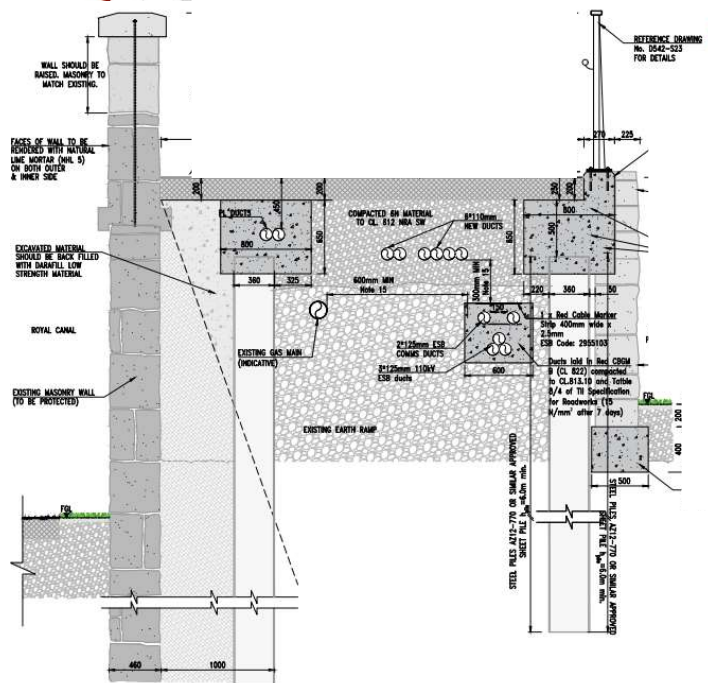
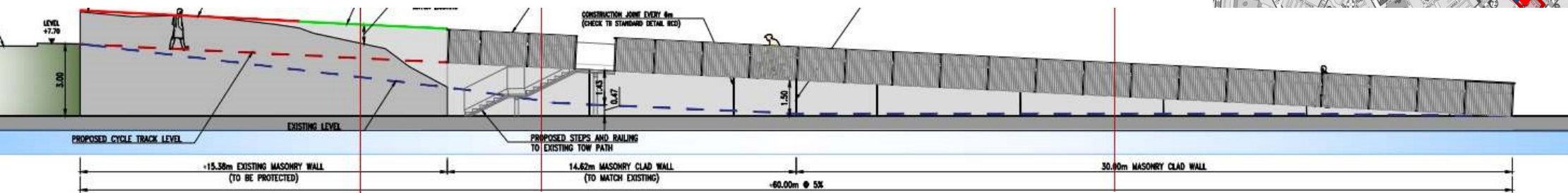
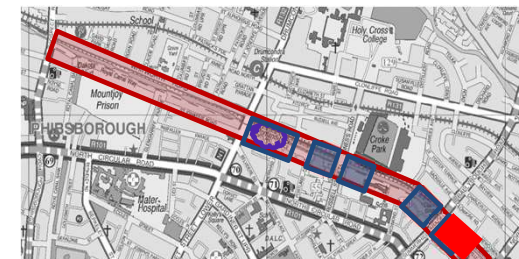


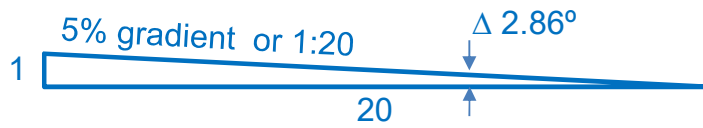
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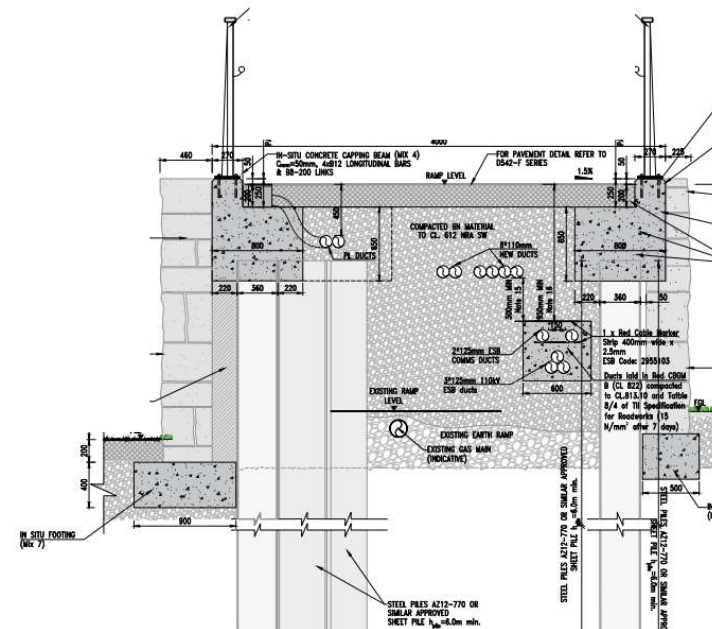
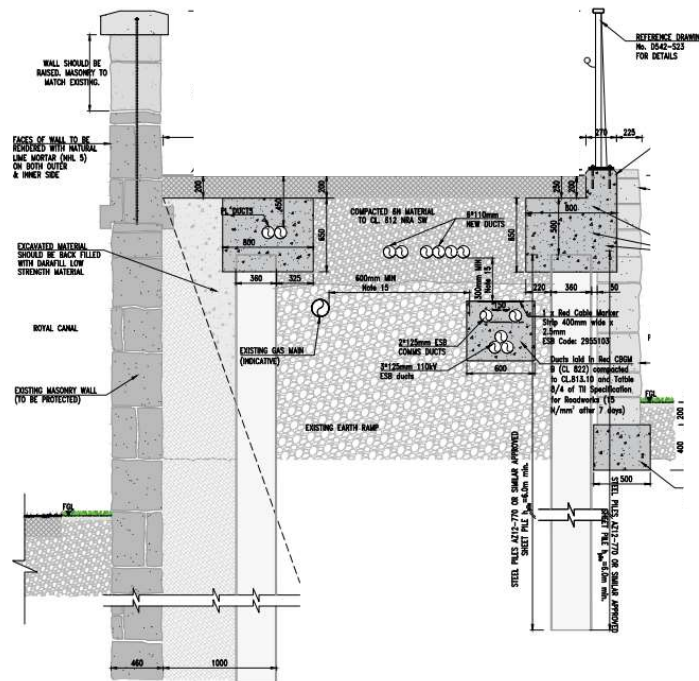
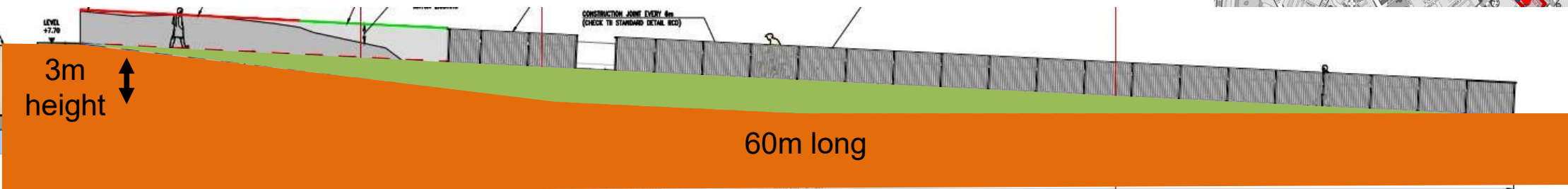
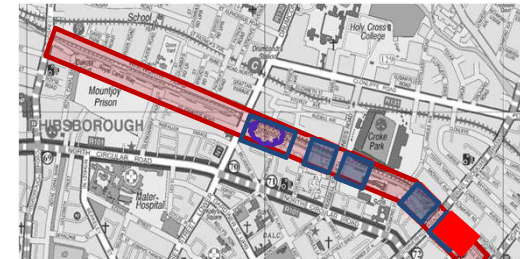


Summerhill East Ramp





Summerhill East Ramp



Royal Canal
Phase 4

SHEET PILING

Russell Street
(Circa 13 metres)

Croke Park to
Ballybough Road
(22 metres at bridge +
225m along towpath)

Summerhill Parade to
Charleville Mall
(2 lengths of circa 30 metres)

Royal Canal Greenway Phase 3

Royal Canal
Phase 2

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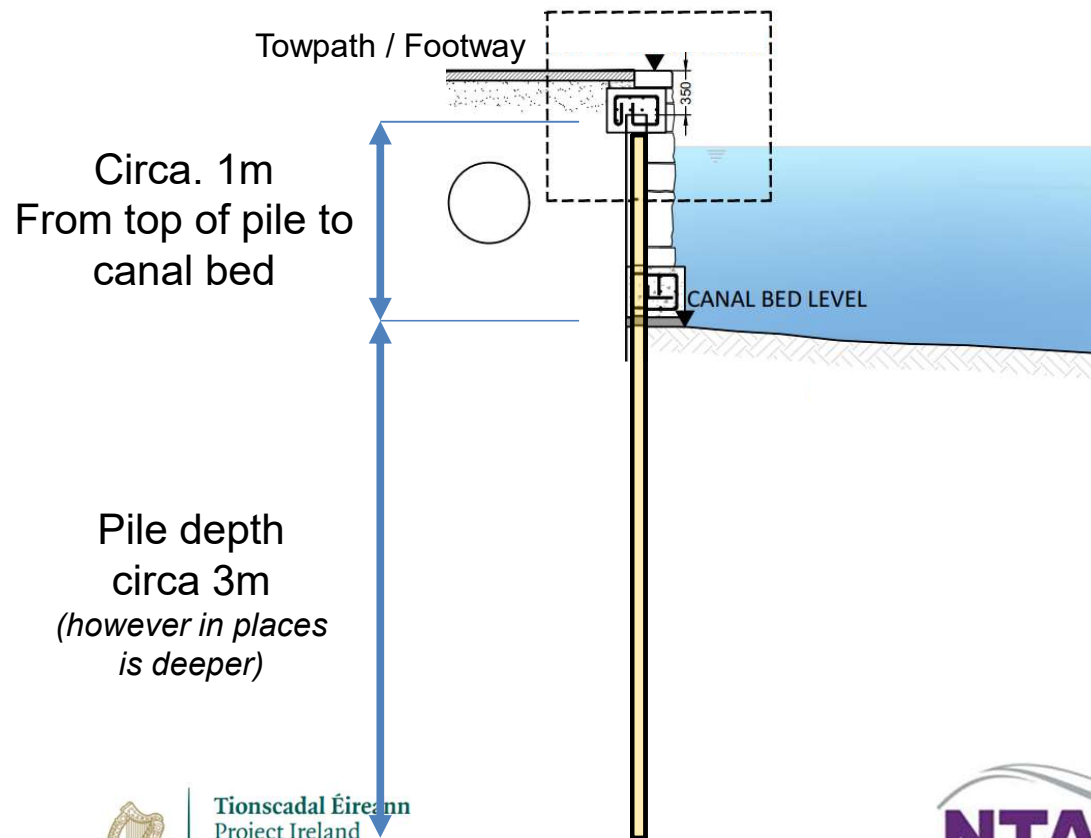
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Sheet Piling (Example)

Croke Park to Ballybough Road



Circa 225m along towpath

Chainage	0	220.000	230.000	240.000	250.000	260.000	270.000	280.000	290.000	300.000
Top Levels		4.797	4.747	4.697	4.647	4.597	4.547	4.499	4.477	4.487
Bed Levels		4.646	4.077	4.053	4.006	3.977	4.014	3.811	3.796	3.815
Proposed pile length			4.00	4.00	4.00	4.00	4.0	4.00	4.00	4.00

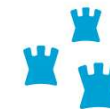
Close to Ballybough Road

Chainage		330.000	340.000	350.000	360.000	370.000	380.000	390.000	400.000	410.000
Top Levels (Cycle Path)		4.944	5.053	5.433	5.928	6.423	6.918	7.413	7.895	8.356
Top Levels (Foot Path)										
Bed Levels		2.665	2.582	2.573	2.657	2.563	2.473	2.758	3.258	4.704
Proposed pile length		7.90	7.90	7.90	9.20	10.40	11.60	12.80	12.80	12.80



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NTA
Údarás Náisiúnta Iompair
National Transport Authority



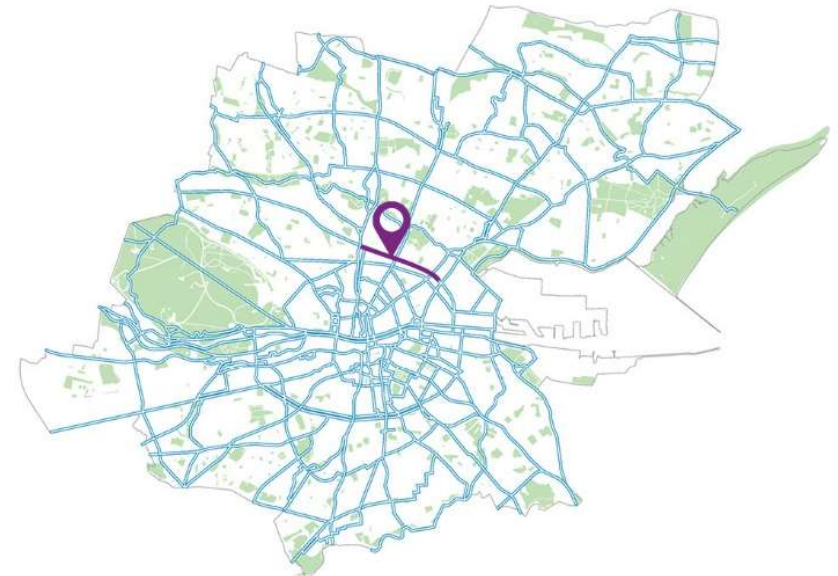
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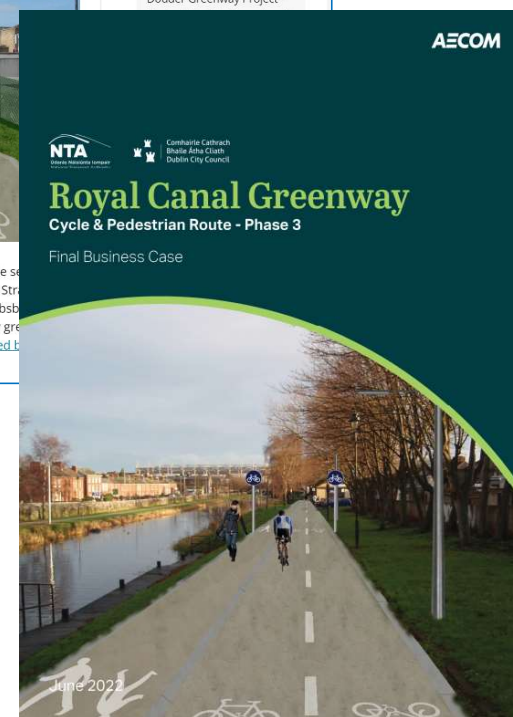
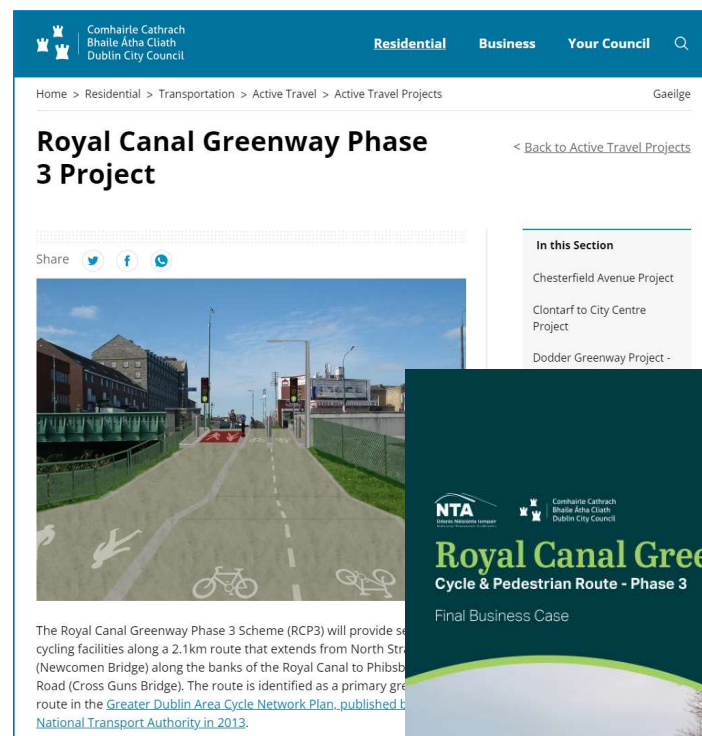
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Communications

- Regular updates on www.dublincity.ie
(Project page to be updated tomorrow, including uploading the Final Business Case)
- Distribute Information Leaflet (Next two slides)
- Drawings available in ILAC, Drumcondra, Charleville Mall & Phibsborough Libraries (by the end of the week)
- Planned Information afternoons (2pm to 7pm)
 - Phibsborough Library in February TBC
 - Charleville Mall Library in February TBC
- Ceremonial Sod Turning 15th February
- Regular Updates via Leaflet, Website & Social Media
- Contact details for Contractor liaison person will be provided
- E-mail: ActiveTravelOffice@dublincity.ie

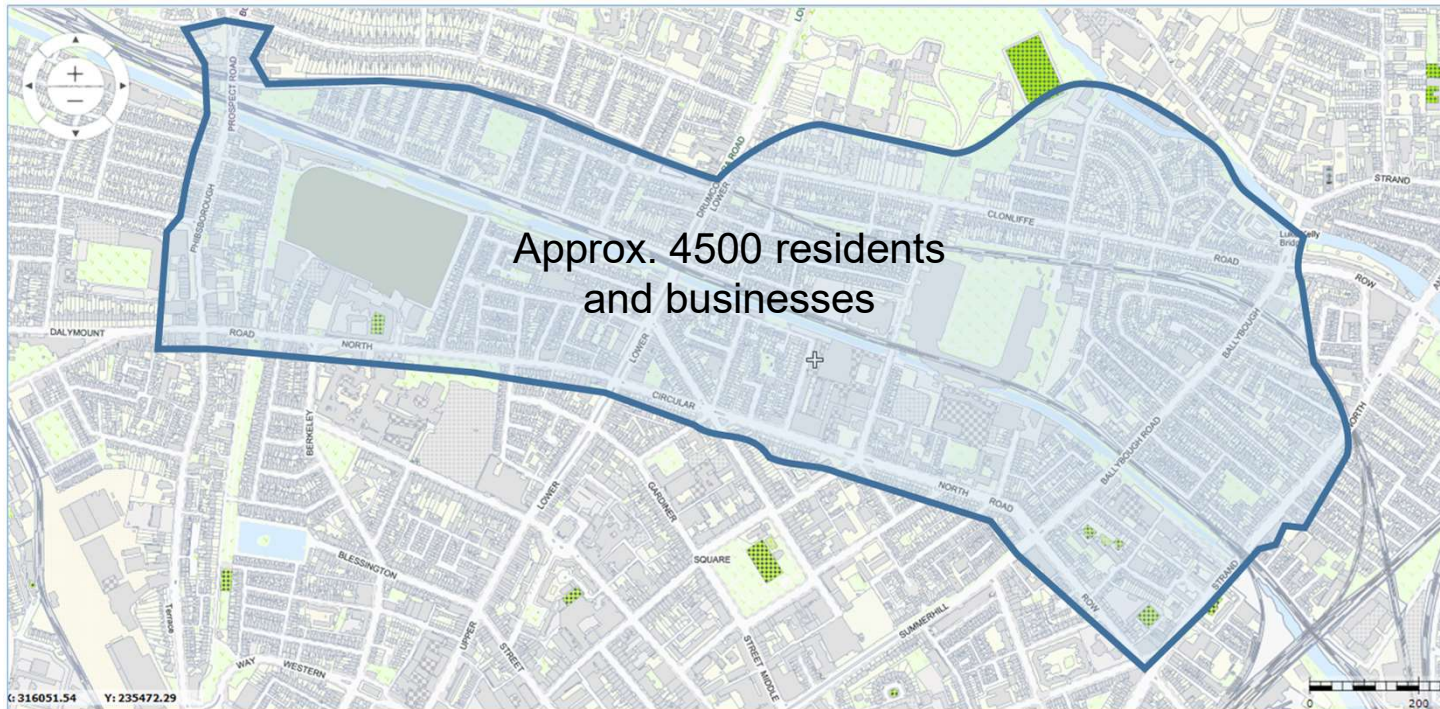


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Leaflet – Distribution Area



DUBLIN CITY ACTIVE TRAVEL NETWORK

Royal Canal Phase 3 Greenway Project

INFORMATION LEAFLET



The RCP3 project is part of the Dublin City Council (DCC) core active travel network, and is funded by the National Transport Authority (NTA). It will provide high quality walking and cycling facilities along the banks of the Royal Canal for a distance of 2.1 km, extending from Newcomen Bridge, North Stand to Cross Guns Bridge, Phibsborough. It is a primary route in the NTA Greater Dublin Area Cycle Network Plan. The project includes public realm enhancements, signaled pedestrian crossings and tree planting.

Construction works are scheduled to start in early 2023. In order to deliver this complex but very worthwhile project for the city, there will be some unavoidable temporary disruption to the area. DCC, in collaboration with our contractor, will endeavour to minimise this as much as possible.

TIMELINE



Q4 2015	Q2 2022	Q1 2023	Q2 2025
Part 8 Approved	Tenders Advertised	Construction Start	Construction Complete



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Leaflet (Page 2 – 4)

WHAT'S IN THIS LEAFLET?

- 1 Project Overview
- 2 Project Visualisations
- 3 Traffic Diversions During Construction Works
- 4 How to Contact Us
- 5 Further Updates



1 PROJECT OVERVIEW

The RCP3 Project will:

- Provide high quality, continuous, safe and accessible protected cycling and walking facilities to cater for all ages and abilities to meet existing and future demand;
- Deliver improvements by creating a community plaza, tree planting and delivery of soft landscaping.
- Provide a new pedestrian/cycle bridge on the Royal Canal.
- Install additional pedestrian/cycle road crossings along the entire corridor.
- In addition to cycle and walking network upgrades, the project in partnership with the ESB, will facilitate future electricity network upgrades.

2 PROJECT VISUALISATIONS & DRAWINGS

Design drawings of the RCP3 Project have been made available for viewing at:

- Central Library, Ilac Centre, Henry Street, Dublin 1
- Phibsboro Library, Blacquiere Bridge, Dublin 7
- Drumcondra Library, Millmount Avenue, Dublin 9
- Charleville Mall Library, North Strand, Dublin 1 (From January 2023)
- www.dublincity.ie/activetravel



3 TRAFFIC DIVERSIONS DURING CONSTRUCTION WORKS

The contractor for the project is required to prepare a works programme, which will include a detailed temporary traffic management plan to facilitate the construction works.

The majority of works will take place on the canal towpath. Where the works intersect with public roads traffic management arrangements will be put in place. The majority of work will take place in the footpath which will typically result in a traffic lane being temporarily closed and repurposed as a temporary footpath. This means that for some periods during the works, inbound/outbound general traffic may be diverted around the works. When these diversions are in place, inbound and outbound routes for buses, taxis, cyclists and footpath users will be maintained through the area, and local access will be facilitated at all times.

It is envisioned that the canal tow paths will be closed for the duration of the works with temporary traffic management measures put in place including wayfinding signage to guide pedestrian movement.



4 HOW TO CONTACT US

If you would like further information on the RCP3 Project or to contact us, please see the options below:

 www.dublincity.ie/activetravel (please scan QR code)

 activetraveloffice@dublincity.ie with subject 'RCP3 Project'

 Dublin City Council, Active Travel Programme Office, Block 1, Floor 6, Civic Offices, Wood Quay, Dublin 8, D08 RF3F

 Dublin City Council's Project Liaison Officer: 01 222 2536



5 FURTHER UPDATES

Dublin City Council aims to provide clear, concise and accurate information to residents, businesses, and users of the corridor along the route of the RCP3 Project. Our aim is that the project is completed in a manner that causes the least disruption to all and to ensure stakeholders have access to regularly updated information on the project.

A Frequently Asked Questions (FAQ) document will be prepared and made available on the website in the coming months and will be updated and maintained throughout the project construction stage.

Regular and timely updates in relation to temporary traffic management arrangements will be provided as the works progress.

We hope you found this information leaflet useful and further updates will be provided throughout the delivery of the RCP3 Project.

Information Leaflet No. 1 – January 2023

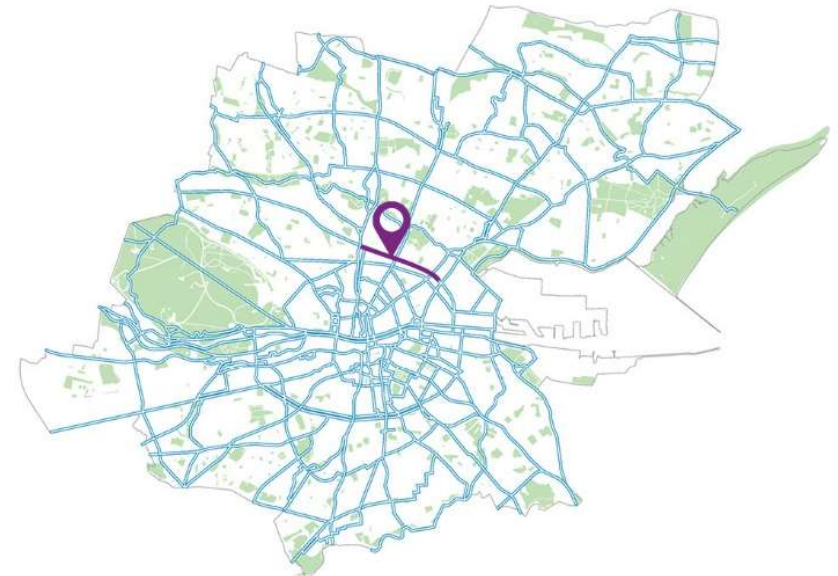


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Next steps

- Construction Commences on site (Q1 2023)
 - Discuss traffic management details for works
 - Establish Contractor's Compounds
 - Negotiating with local property owners including DCC's Park Services for the use of portion of Portland Place Park*
 - Establish Contractor's Programme for works
- Complete 3D flyover and publish on webpage
- Undertake revised Part 8 application for Binns Bridge Ramp March / April
- Construction Period (Q1 2023 to Q2 2025)



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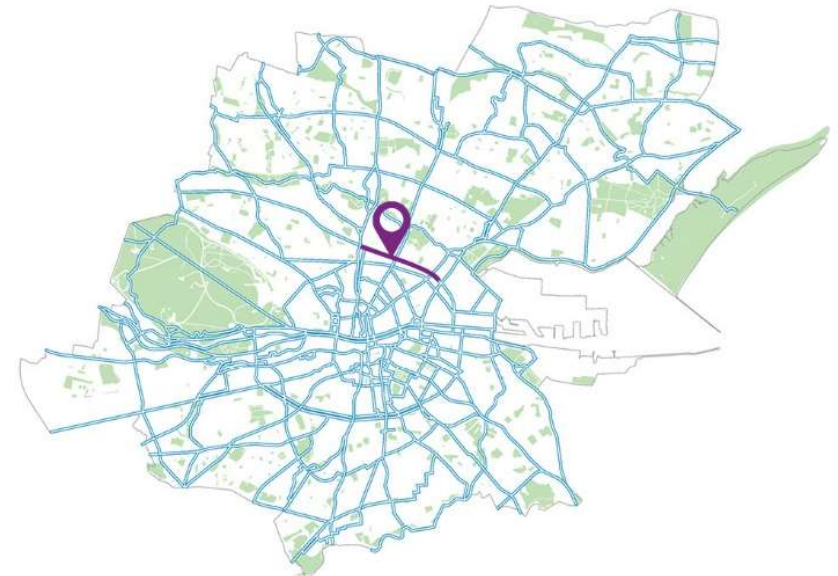
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Jons Civil Engineering Ltd

- In operation for 40 years
- Large Civil Schemes
 - Road and Cycle Infrastructure
 - Marine Works
 - Irish Rail



Core Values

- Committed to health and safety in all aspects of our work
- Dedicated to quality and continuous process improvement for both clients, partners and staff
- Committed to maintaining a working environment that is attentive to the environment and in compliance with all applicable European, National and Local Regulations and codes of best practice

The Royal Canal Premium Cycle Route – Phase 2

- North Strand Road to Sheriff Street
- Installed a new Viaduct Bridge 115m long over the Newcomen Rail Line
 - Consisted of 26 no. CFA piles of 450mm in diameter
- Reconstruction of 60 m of the canal wall
 - 45m consisted of driven sheet piles
 - 16m of reinforced concrete base



Newcommen Bridge– Phase 1

- 2 No. Structural Steel Bridges over the Royal Canal and Irish Rail line
- Upgrade of existing junction at North Strand Road
 - New pedestrian Crossing
 - Installation of granite paving



Athlone Pedestrian and Cycle Bridge

- Installation of steel bridge over River Shannon in Athlone Town – 100m span
- Approach Structures including steel ramps and concrete retaining walls
- Significant interface with environmental bodies
- Construction of centre pier cofferdam to facilitate centre pier



Salmon Weir Pedestrian and Cycle Bridge

- 3 Span structure across the Friars River, River Corrib and Persse's Distillery River in Galway City
- Installation of steel bridge by means of a 600t Crane.
- Upgrade Works to embankment areas and to existing footpaths



N22 Macroom To Baile Bhuirne

- 22km of dual carriageway
- Road constructed through challenging terrain
- Project includes the construction of 130 structures, including crossings of the Sullane, Laney, Foherish and Bohill rivers
- Slaney Bridge – 50m long precast Beams
- Bohill Bridge – Push/ Launch of steel structure.



Thank you

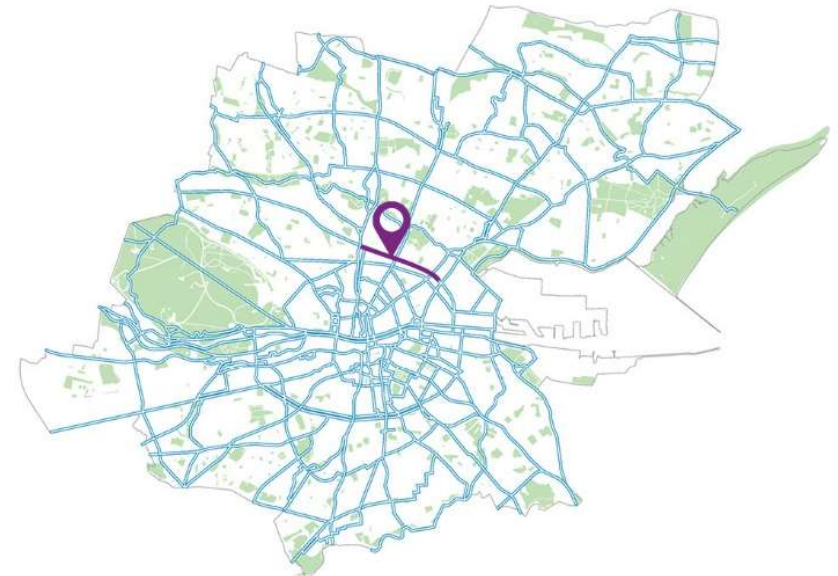


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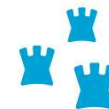
Thank You for Listening!

Questions?

ActiveTravelOffice@dublincity.ie



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