

Legend

▲ A1-1
KIFRS-C-100 Section Location and Drawing Reference

1234 Chainage (m)

NOTES:
 1. ALL LEVELS SHOWN ARE TO ORDNANCE DATUM MALIN HEAD.
 2. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT PLANNING DRAWINGS AND DOCUMENTS.

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JBA consulting
 Nicholas de Jong Associates
 URBAN DESIGN

PL2	27/10/20	SB	SO'S	KL
PL1	19/12/19	TD	MM	KL
Issue	Date	By	Chkd	Appd

Client
Comhairle Cathrach & Contae Luimnigh
Limerick City & County Council

OPW
 Oifig na hOibríochtaí Poiblí
 Office of Public Works

Job Title
KING'S ISLAND
 FLOOD RELIEF SCHEME

Scale at A1 1:2000
 Discipline Infrastructure

ARUP
 50 Ringsend Road,
 Dublin 4, D04 T6X0, Ireland
 t: +353 1 233 4455 f: +353 1 668 3169
 www.arup.com

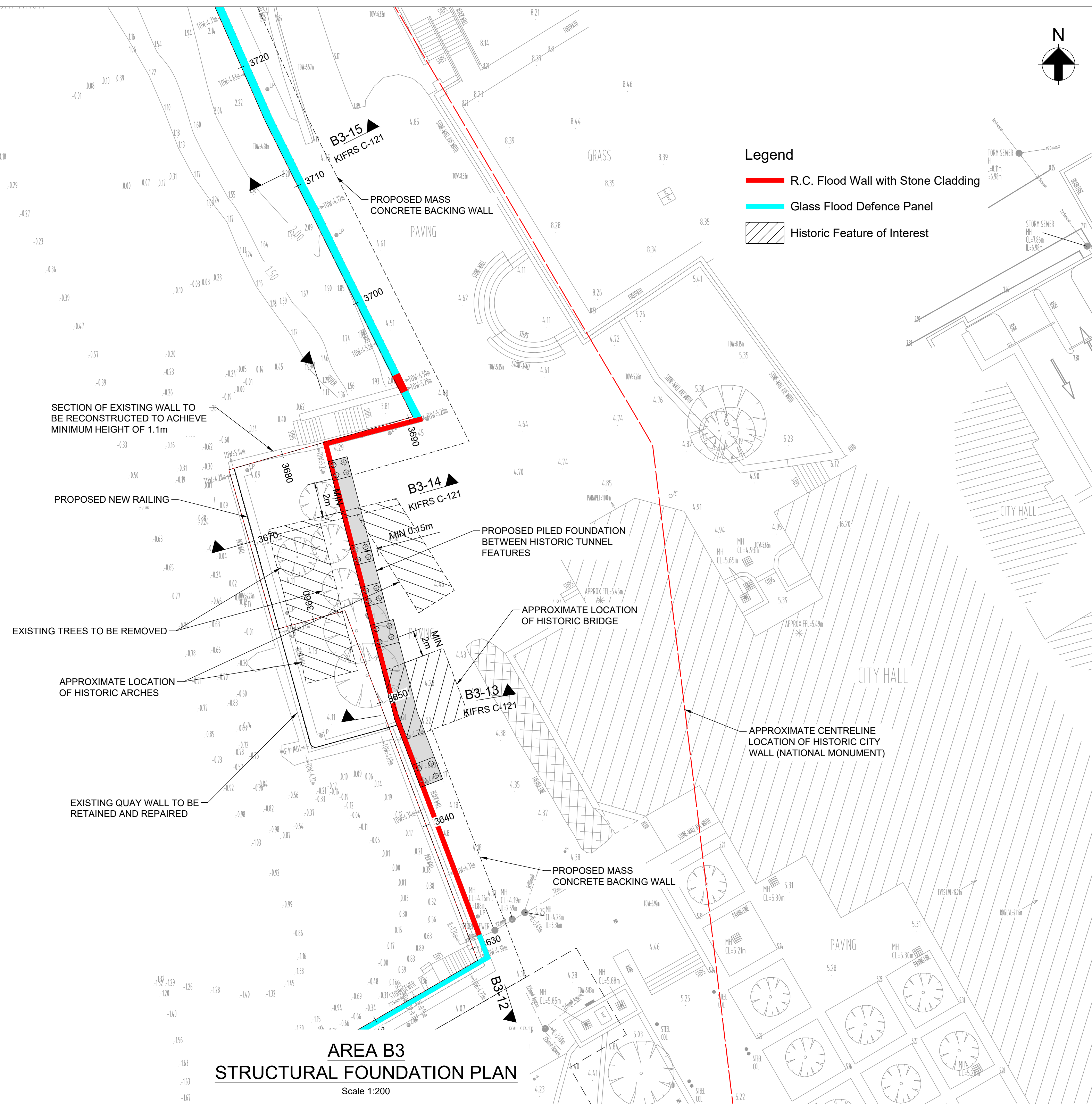
Drawing Title
Area Designation, Chainages and Section Locations Key Plan

Job No
265545

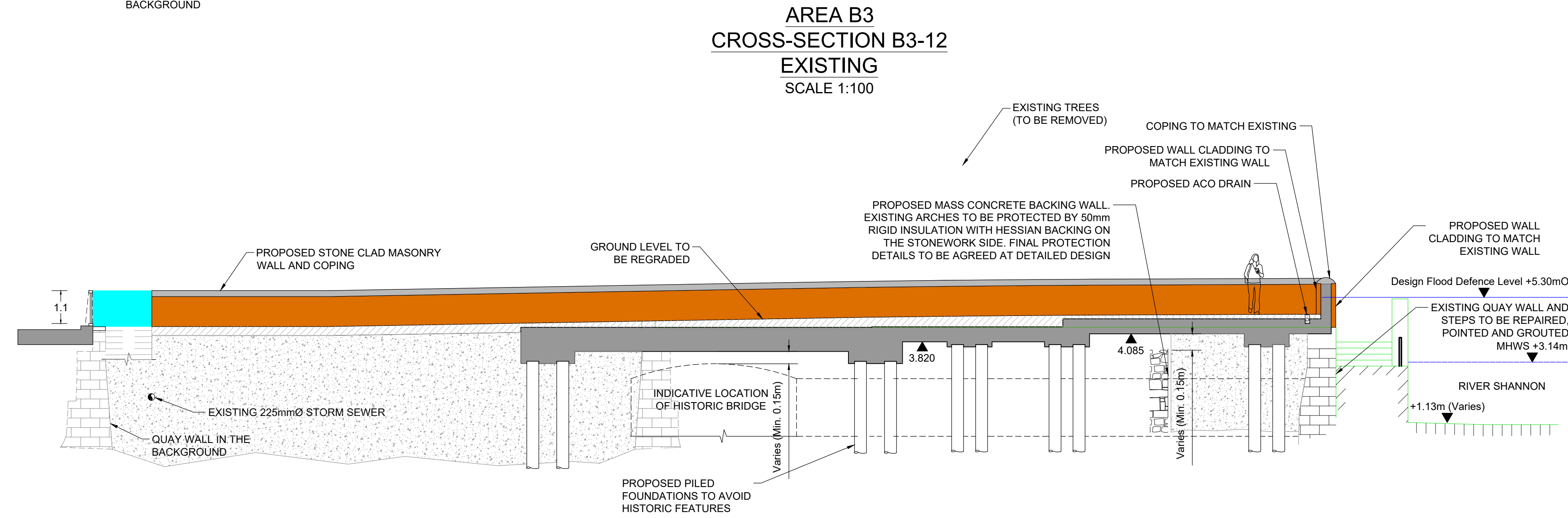
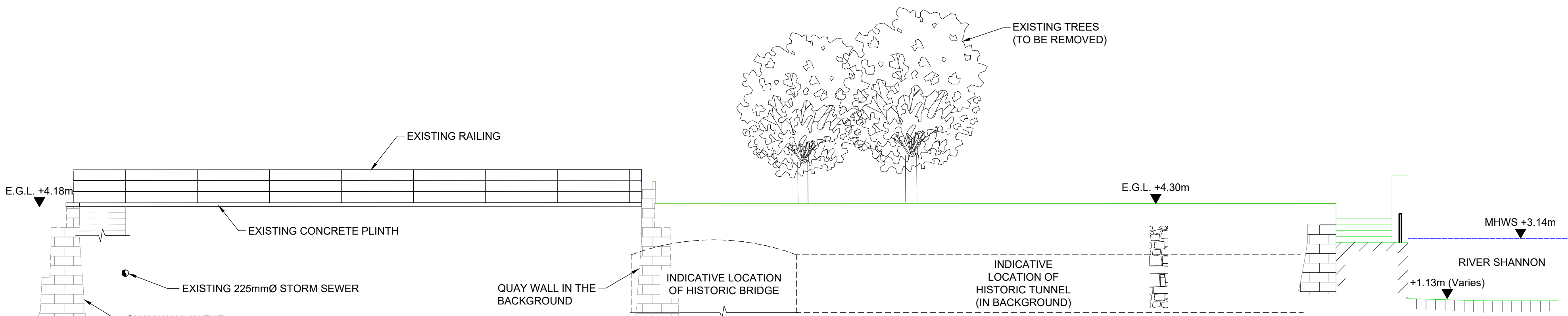
Drawing Status
Planning

Drawing No
KIFRS-C-103

Issue
PL2



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NOTES:

- ALL LEVELS SHOWN ARE TO ORDNANCE DATUM MALIN HEAD.
- THIS DRAWING TO BE READ IN CONJUNCTION WITH ALL RELEVANT PLANNING DRAWINGS AND DOCUMENTS.
- MINIMUM 150mm VERTICAL CLEARANCE TO BE MAINTAINED BETWEEN PROPOSED FLOOD DEFENCE STRUCTURE AND STRUCTURES OF IDENTIFIED ARCHAEOLOGICAL INTEREST

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Nicholas de Jong Associates
URBAN DESIGN

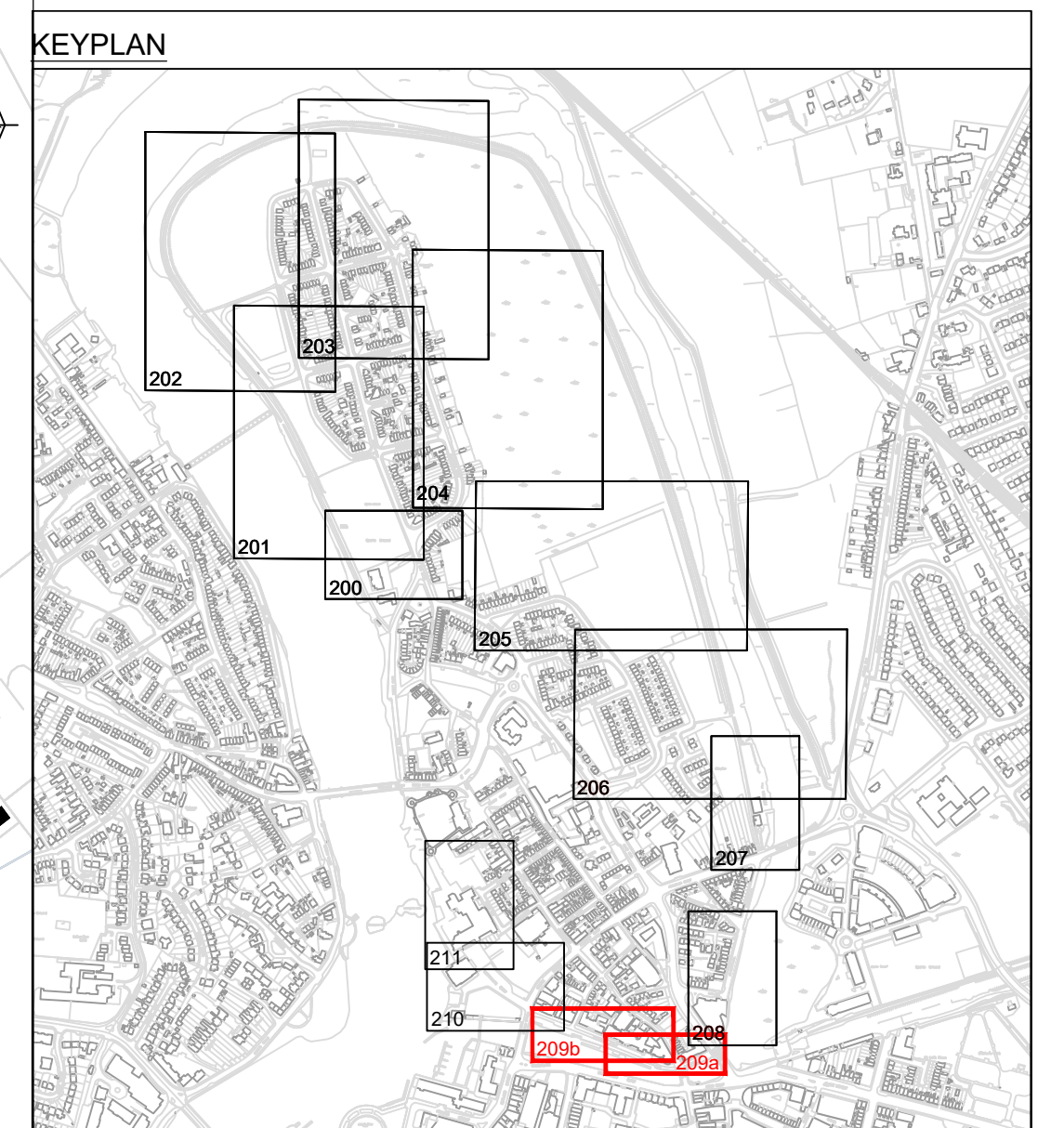
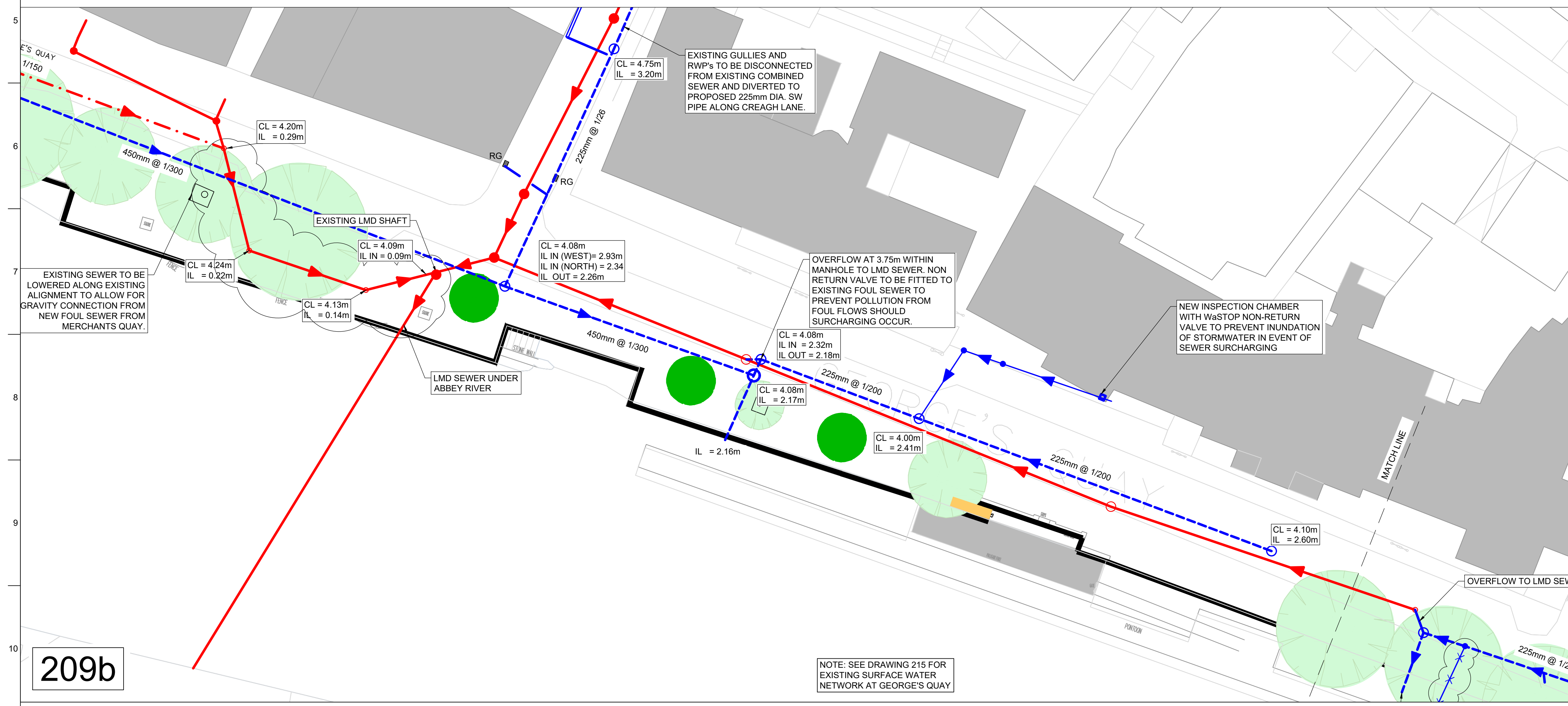
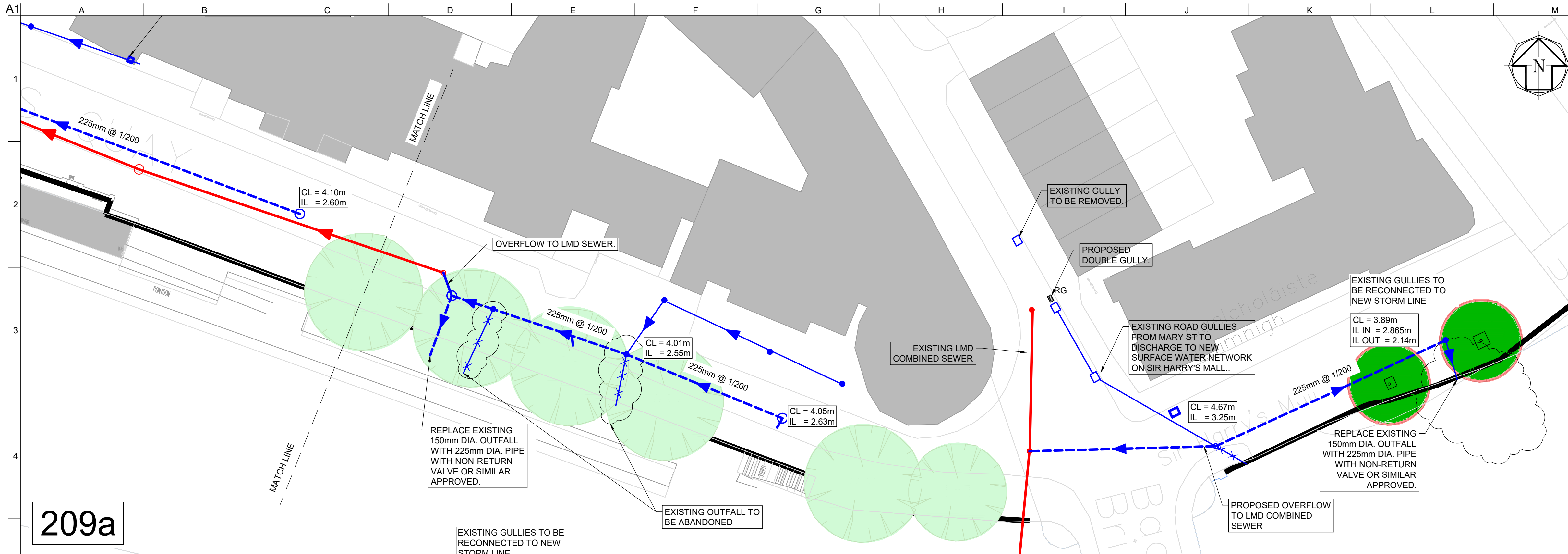
PL2	27/10/20	SB	SO'S	KL
PL1	19/12/19	TD	MM	KL
Issue	Date	By	Chkd	Appd

Client
Comhairle Cathrach & Contae Luimnigh
Limerick City & County Council
OPW Óifig na n-*oBreacha* *na hOifig*
Office of Public Works

Job Title
KING'S ISLAND
FLOOD RELIEF SCHEME
Scale at A1 As Shown
Discipline Infrastructure

ARUP
50 Ringsend Road,
Dublin 4, D04 T6X0, Ireland
t: +353 1 233 4455 f: +353 1 668 3169
www.arup.com

Drawing Title
**Area B3
Historic Features
Plan and Sections**
Job No **265545**
Drawing No **KIFRS-C-120**
Drawing Status **Planning**
Issue **PL2**



LEGEND

- EXISTING STORM MANHOLE
- EXISTING FOUL MANHOLE
- PROPOSED STORM MANHOLE
- PROPOSED FOUL MANHOLE
- IC PROPOSED INSPECTION CHAMBER
- EXISTING STORM SEWER
- EXISTING FOUL SEWER
- REDUNDANT SEWER
- EXISTING STORM SEWER TO BE REMOVED
- EXISTING FOUL SEWER TO BE REMOVED
- PROPOSED STORM SEWER
- PROPOSED FOUL SEWER
- PROPOSED FILTER DRAIN
- PROPOSED ACO CHANNEL
- PROPOSED FOUL RISING MAIN
- SURFACE CHANNEL/SWALE

Nicholas de Jong Associates
URBAN DESIGN

Issue	Date	By	Chkd	Appd
PL6	27/10/20	LL	DW	DW
PL5	21/10/20	LL	DW	DW
PL4	20/10/20	LL	DW	DW
PL3	25/06/20	LL	DW	DW
PL2	18/06/20	LL	DW	DW
PL1	16/12/19	LL	DW	DW

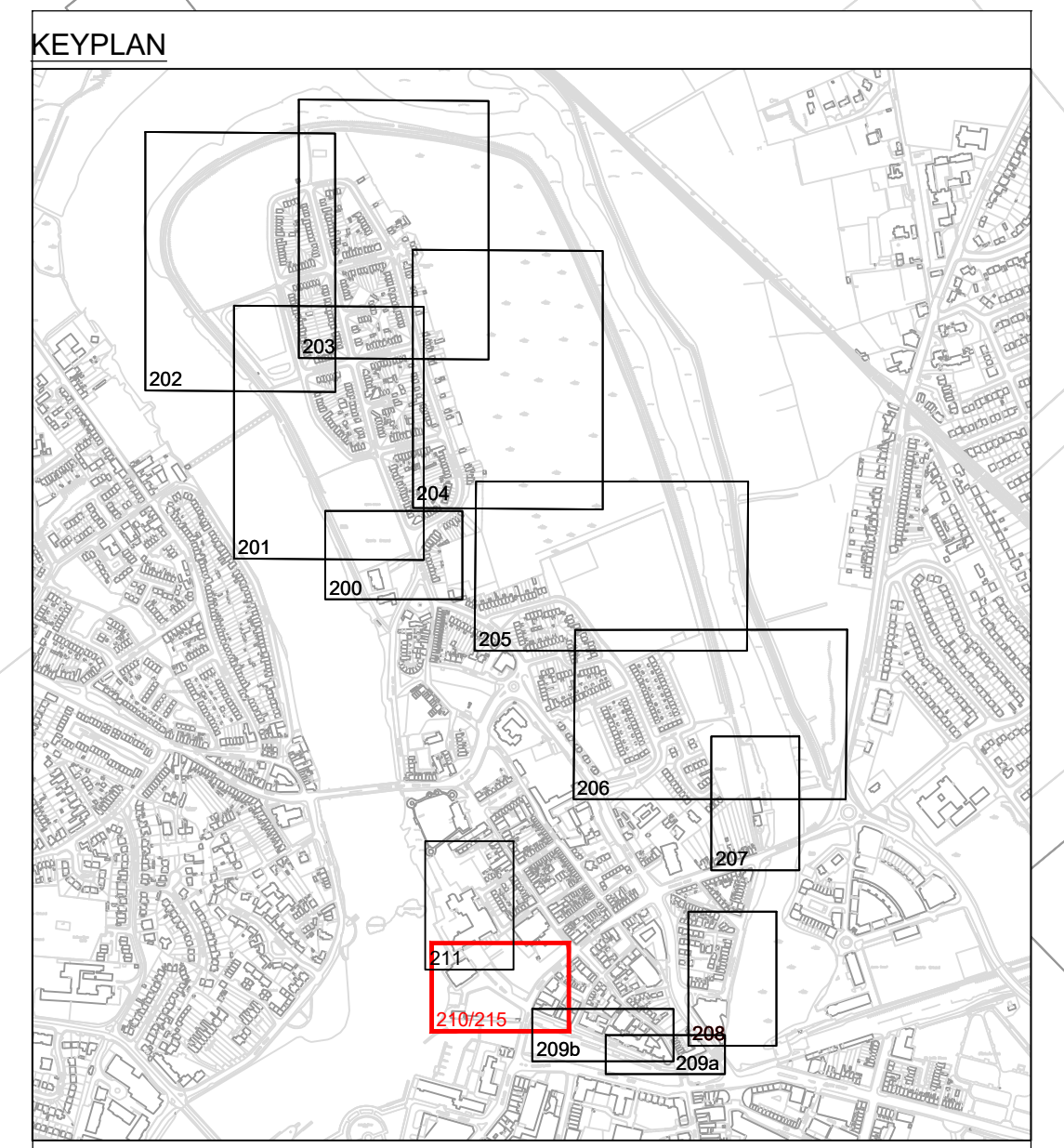
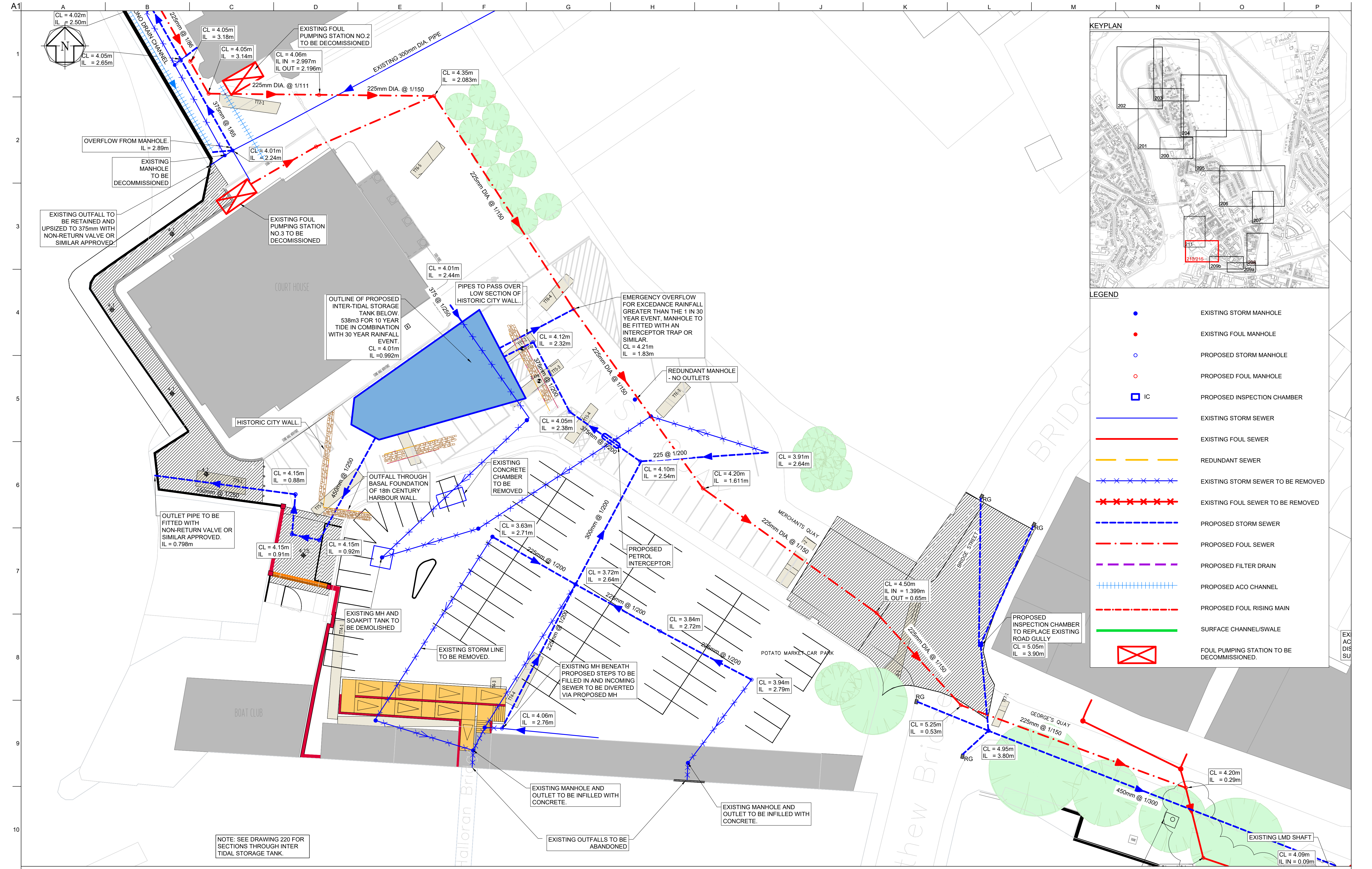
Scale at A1: 1:250
Discipline: Infrastructure

50 Ringsend Road, Dublin 4, D04 R2K2, Ireland
t: +353 1 233 4455 f: +353 1 668 3169
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Drawing Title: Proposed Drainage Layout Sheet 10 of 12

Job No: **265545** | Drawing Status: **PLANNING**

Drawing No: **KIFRS-C-209** | Issue: **PL6**



LEGEND

- EXISTING STORM MANHOLE
- EXISTING FOUL MANHOLE
- PROPOSED STORM MANHOLE
- PROPOSED FOUL MANHOLE
- IC PROPOSED INSPECTION CHAMBER
- EXISTING STORM SEWER
- EXISTING FOUL SEWER
- - - REDUNDANT SEWER
- x - x - x EXISTING STORM SEWER TO BE REMOVED
- x - x - x EXISTING FOUL SEWER TO BE REMOVED
- - - PROPOSED STORM SEWER
- - - PROPOSED FOUL SEWER
- - - PROPOSED FILTER DRAIN
- + + + + + PROPOSED ACO CHANNEL
- - - PROPOSED FOUL RISING MAIN
- SURFACE CHANNEL/SWALE
- X FOUL PUMPING STATION TO BE DECOMMISSIONED.

NOTE: SEE DRAWING 220 FOR SECTIONS THROUGH INTER-TIDAL STORAGE TANK.

A1
1
2
3
4
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10

A B C D E F G H I J K L M N O P

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URBAN DESIGN

Issue	Date	By	Chkd	Appd
PL6	27/10/20	LL	DW	DW
PL5	21/10/20	LL	DW	DW
PL4	20/10/20	LL	DW	DW
PL3	25/06/20	LL	DW	DW
PL2	18/06/20	LL	DW	DW
PL1	16/12/19	LL	DW	DW

Client

Comhairle Cathrach & Contae Luimnigh
Limerick City & County Council

OPW
Oifig na n-Obrescha Poblai
Office of Public Works

Job Title

KING'S ISLAND
FLOOD RELIEF SCHEME

Scale at A1
1:250

Discipline
Infrastructure

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50 Ringsend Road,
Dublin 4, D04 T6X0, Ireland
t: +353 1 234 4455 f: +353 1 668 3169
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Drawing Title

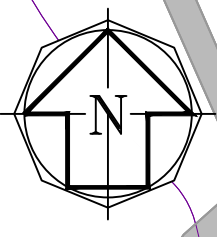
Proposed Drainage Layout
Sheet 11 of 12

Job No
265545

Drawing Status
PLANNING

Drawing No
KIFRS-C-210

Issue
PL6



EXISTING QUAY WALL TO BE REMOVED LOCALLY TO FACILITATE REPLACEMENT OF EXISTING 225mm DIA. PIPE WITH 300mm DIA PIPE WITH WaSTOP NON-RETURN VALVE OR SIMILAR APPROVED

PROPOSED ACO DRAINAGE CHANNEL

EXISTING 300mm DIA. PIPE
 CL = 6.84m
 IL = 3.33m
 CL = 6.88m
 IL = 4.30m

EXISTING 300mm DIA. PIPE

EXISTING BLOCKED SLOT DRAINS WITH CAR PARK TO BE REPLACED WITH 200 SERIES HEAVY DUTY ACO CHANNEL AND RECONNECTED TO EXISTING MANHOLES WITHIN CAR PARK.

EXISTING 150mm DIA. FOUL SEWER

EXISTING MANHOLE TO BE DECOMMISSIONED

EXISTING OUTFALL TO BE RETAINED AND UPSIZED TO 525mm WITH NON-RETURN VALVE OR SIMILAR APPROVED.

IL AT OUTFALL = 1.74m

REDUNDANT OUTFALL

EXISTING FOUL PUMPING STATION NO.1 TO BE DECOMMISSIONED

GRAVITY FOUL SEWER DIVERSION TO ENABLE DECOMMISSIONING OF ALL THREE FOUL PUMPING STATIONS.

EXIST FMH CL = 4.99m
 LOWER IL TO = 3.60m

OVERFLOW FOR EXCEEDANCE RAINFALL AND TIDAL CONDITIONS.

INTER-TIDAL STORAGE TANK BELOW. 465m3 FOR 10 YEAR TIDE IN COMBINATION WITH 30 YEAR RAINFALL EVENT. IL TANK = 2.0m

EXISTING FOUL PUMPING STATION NO.2 TO BE DECOMMISSIONED

EXISTING FOUL PUMPING STATION NO.3 TO BE DECOMMISSIONED

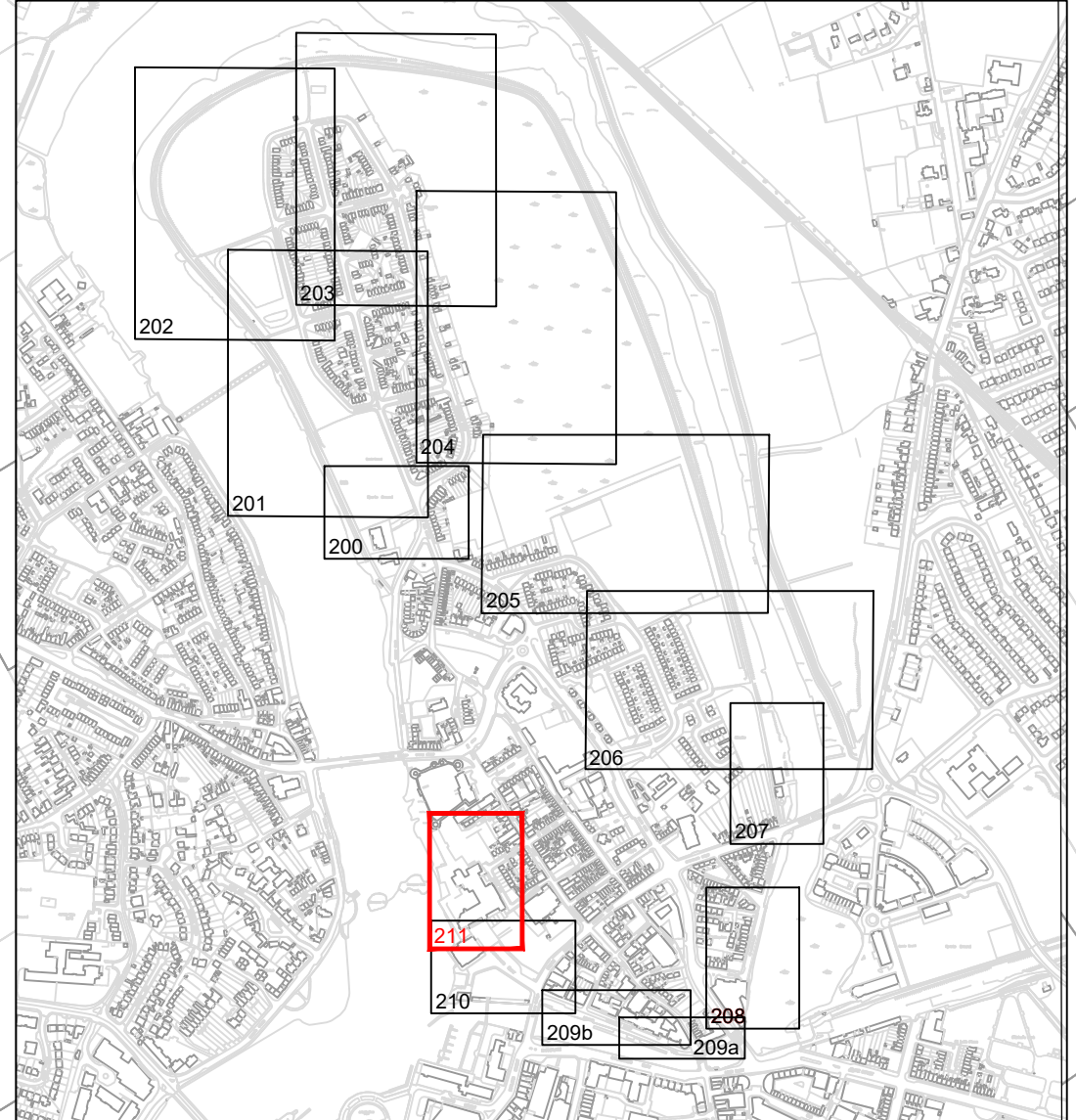
OVERFLOW FROM MANHOLE. IL = 2.89m

EXISTING MANHOLE TO BE DECOMMISSIONED

EXISTING OUTFALL TO BE RETAINED AND UPSIZED TO 375mm WITH NON-RETURN VALVE OR SIMILAR APPROVED

EXISTING FOUL PUMPING STATION NO.3 TO BE DECOMMISSIONED

KEYPLAN



LEGEND

- EXISTING STORM MANHOLE
- EXISTING FOUL MANHOLE
- PROPOSED STORM MANHOLE
- PROPOSED FOUL MANHOLE
- IC PROPOSED INSPECTION CHAMBER
- EXISTING STORM SEWER
- EXISTING FOUL SEWER
- - - REDUNDANT SEWER
- x - x - x EXISTING STORM SEWER TO BE REMOVED
- x - x - x EXISTING FOUL SEWER TO BE REMOVED
- - - PROPOSED STORM SEWER
- - - PROPOSED FOUL SEWER
- - - PROPOSED FILTER DRAIN
- + + + + + PROPOSED ACO CHANNEL
- . - . - . PROPOSED FOUL RISING MAIN
- SURFACE CHANNEL/SWALE
- X FOUL PUMPING STATION TO BE DECOMMISSIONED.

Issue	Date	By	Chkd	Appd
PL8	28/10/20	LL	DW	DW
PL6	21/10/20	LL	DW	DW
PL5	20/10/20	LL	DW	DW
PL4	25/06/20	LL	DW	DW
PL3	18/06/20	LL	DW	DW
PL2	08/06/20	LL	DW	DW
PL1	16/12/19	LL	DW	DW

Client

Job Title

Scale at A1: 1:250

Discipline: Infrastructure

Arup, 50 Ringsend Road
 Dublin, D04 T8X0
 Tel +353(0)1 233 4455 Fax +353(0)1 668 3169
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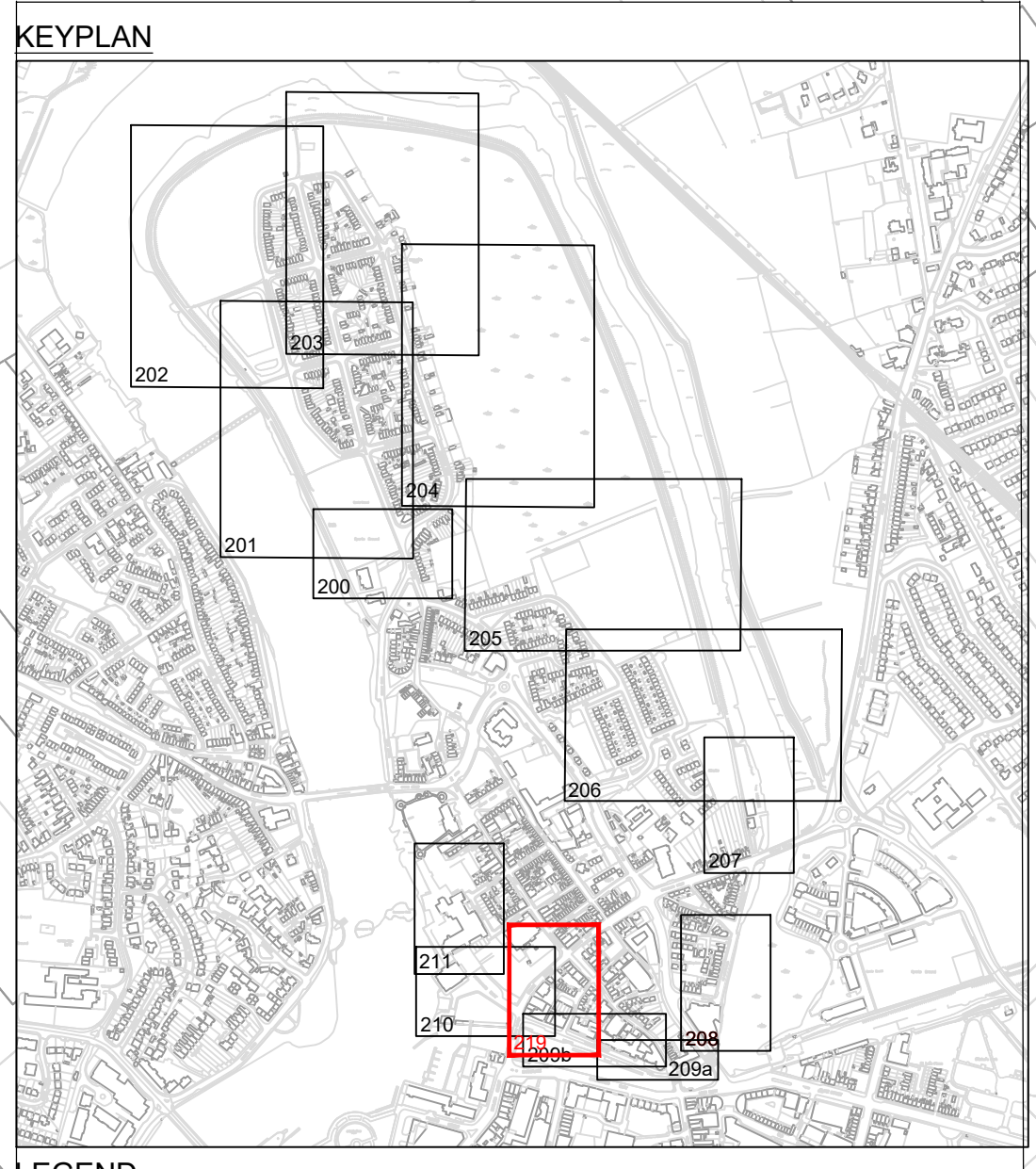
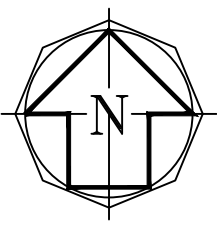
Drawing Title

Proposed Drainage Layout
 Sheet 12 of 12

Drawing No: 265545
 Issue: KIFRS-C-211

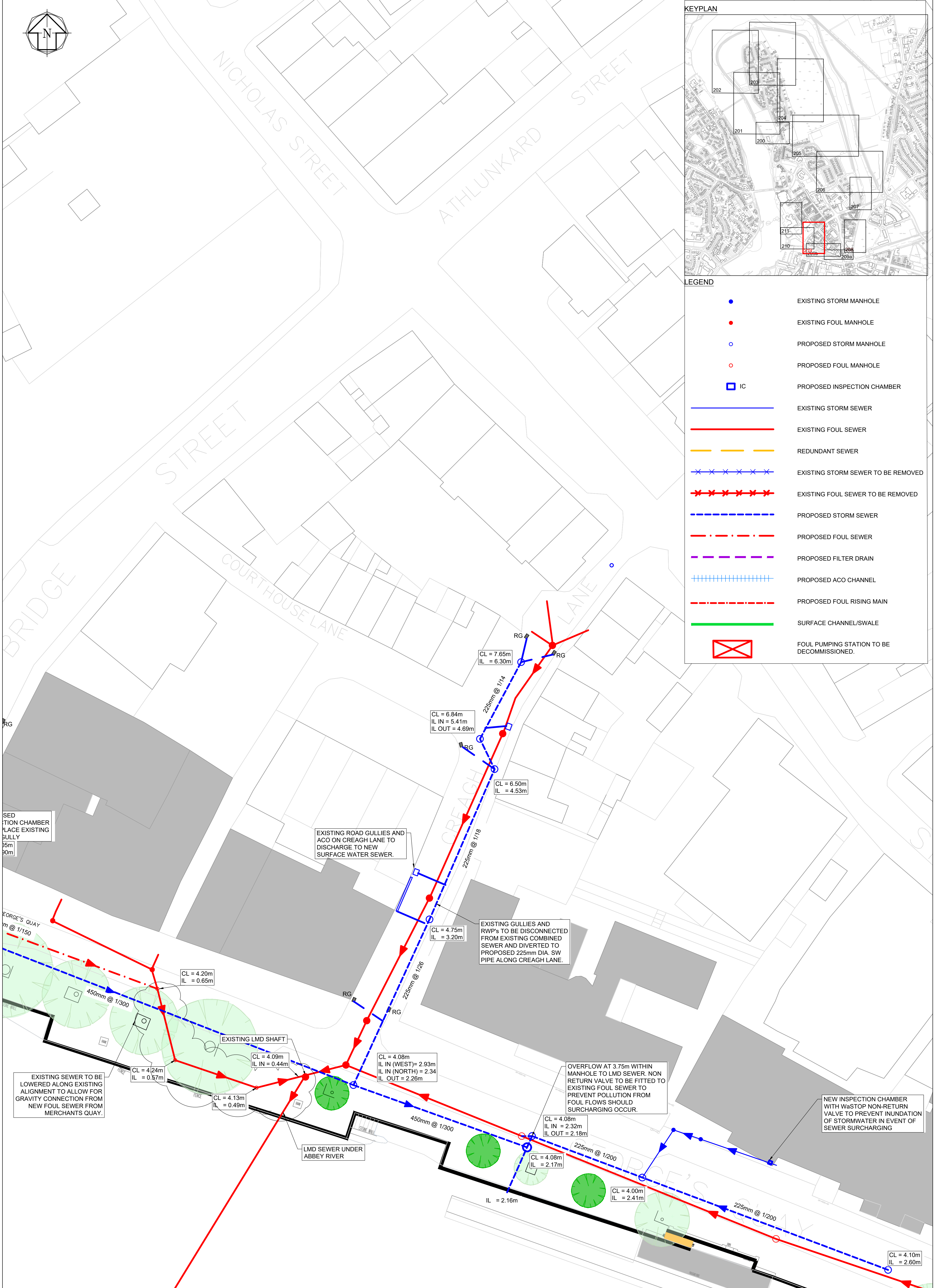
Drawing Status: PLANNING

Issue: PL8



LEGEND

- EXISTING STORM MANHOLE
- EXISTING FOUL MANHOLE
- PROPOSED STORM MANHOLE
- PROPOSED FOUL MANHOLE
- IC PROPOSED INSPECTION CHAMBER
- EXISTING STORM SEWER
- EXISTING FOUL SEWER
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- EXISTING STORM SEWER TO BE REMOVED
- EXISTING FOUL SEWER TO BE REMOVED
- PROPOSED STORM SEWER
- PROPOSED FOUL SEWER
- PROPOSED FILTER DRAIN
- PROPOSED ACO CHANNEL
- PROPOSED FOUL RISING MAIN
- SURFACE CHANNEL/SWALE
- X FOUL PUMPING STATION TO BE DECOMMISSIONED.



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URBAN DESIGN

Issue	Date	By	Chkd	Appd
PL2	20/10/20	LL	DW	DW
PL1	20/10/20	LL	DW	DW

Client

Comhairle Cathrach & Contae Luimnigh
Limerick City & County Council

OPW Óifig na n-Obrescha Poiblí
Office of Public Works

Job Title

KING'S ISLAND
FLOOD RELIEF SCHEME

Scale at A1 1:250

Discipline Infrastructure

ARUP

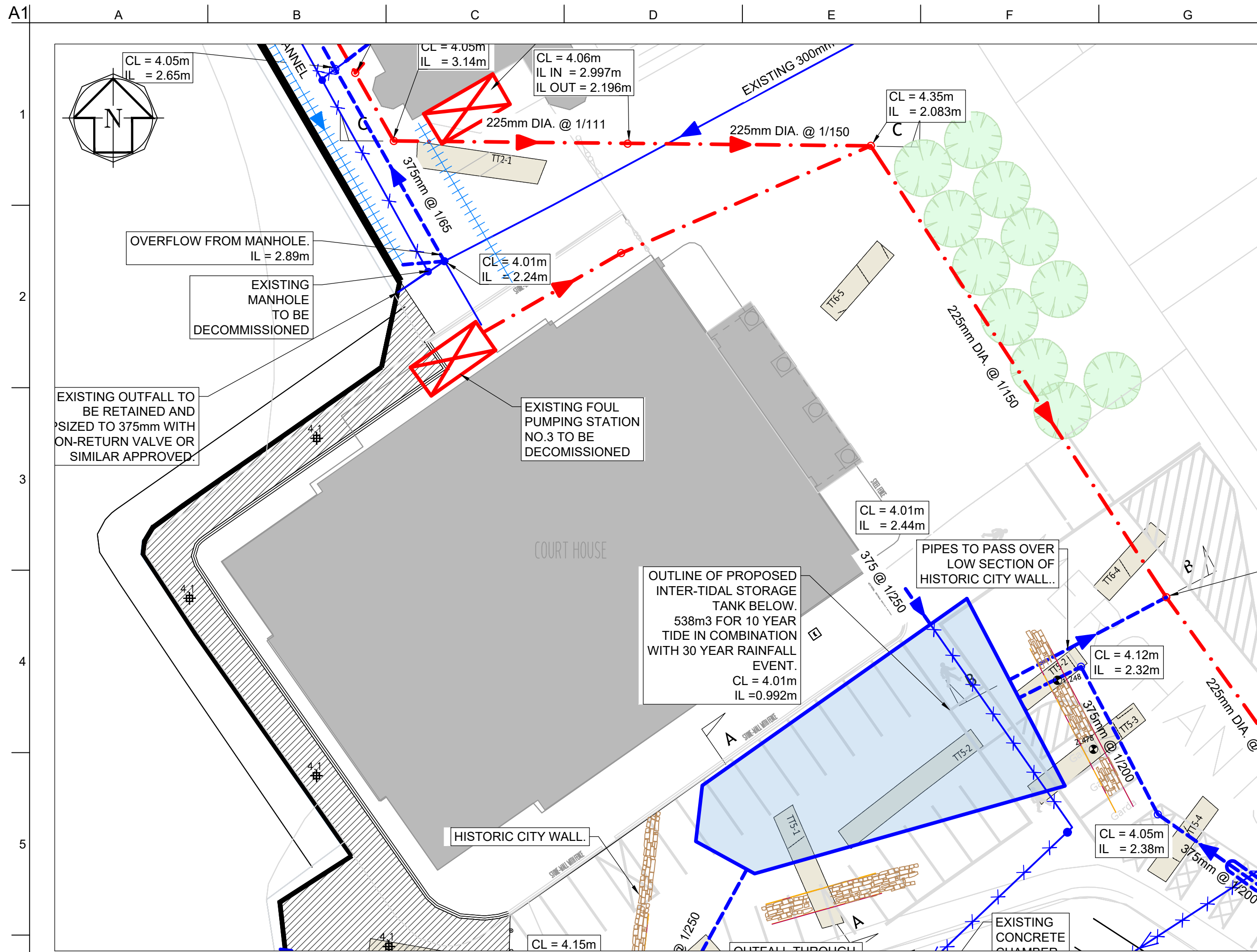
Arup, 50 Ringsend Road
Dublin, D04 T6X0
Tel +353(0)1 233 4455 Fax +353(0)1 668 3169
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Drawing Title

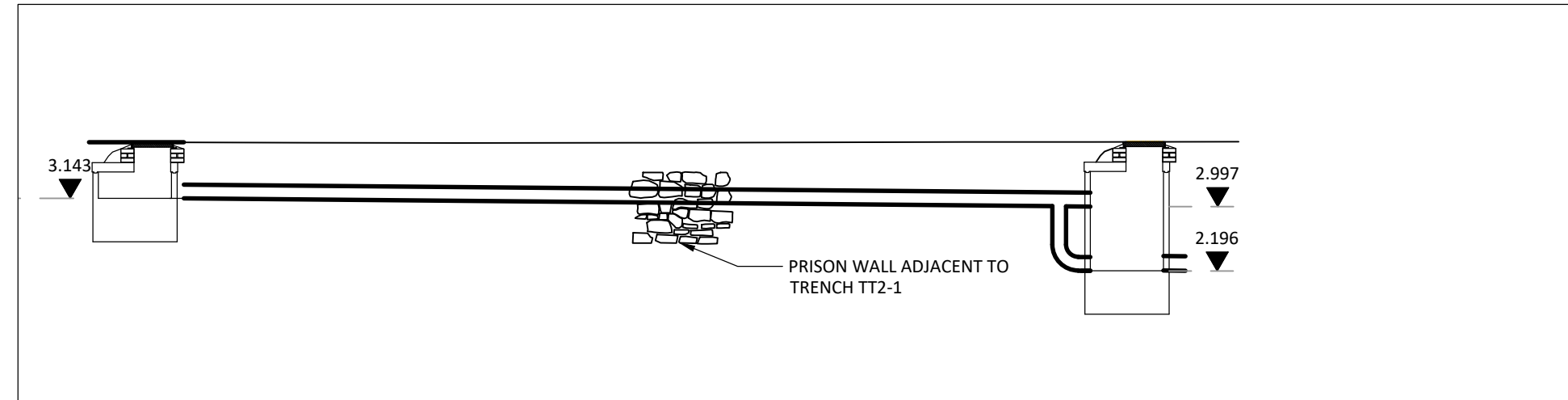
**Proposed Drainage Layout
Creagh Lane**

Job No **265545** Drawing Status **PLANNING**

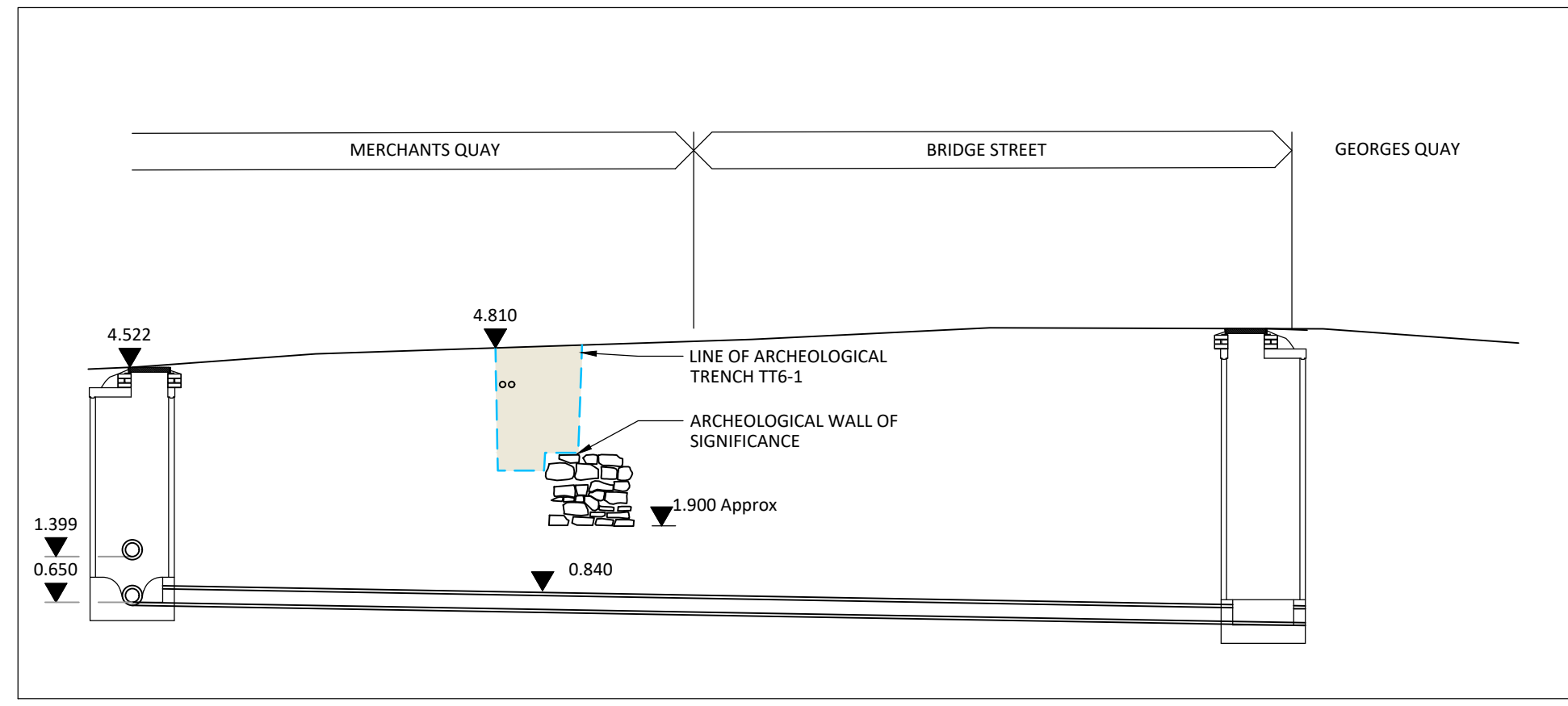
Drawing No **KIFRS-C-219** Issue **PL2**



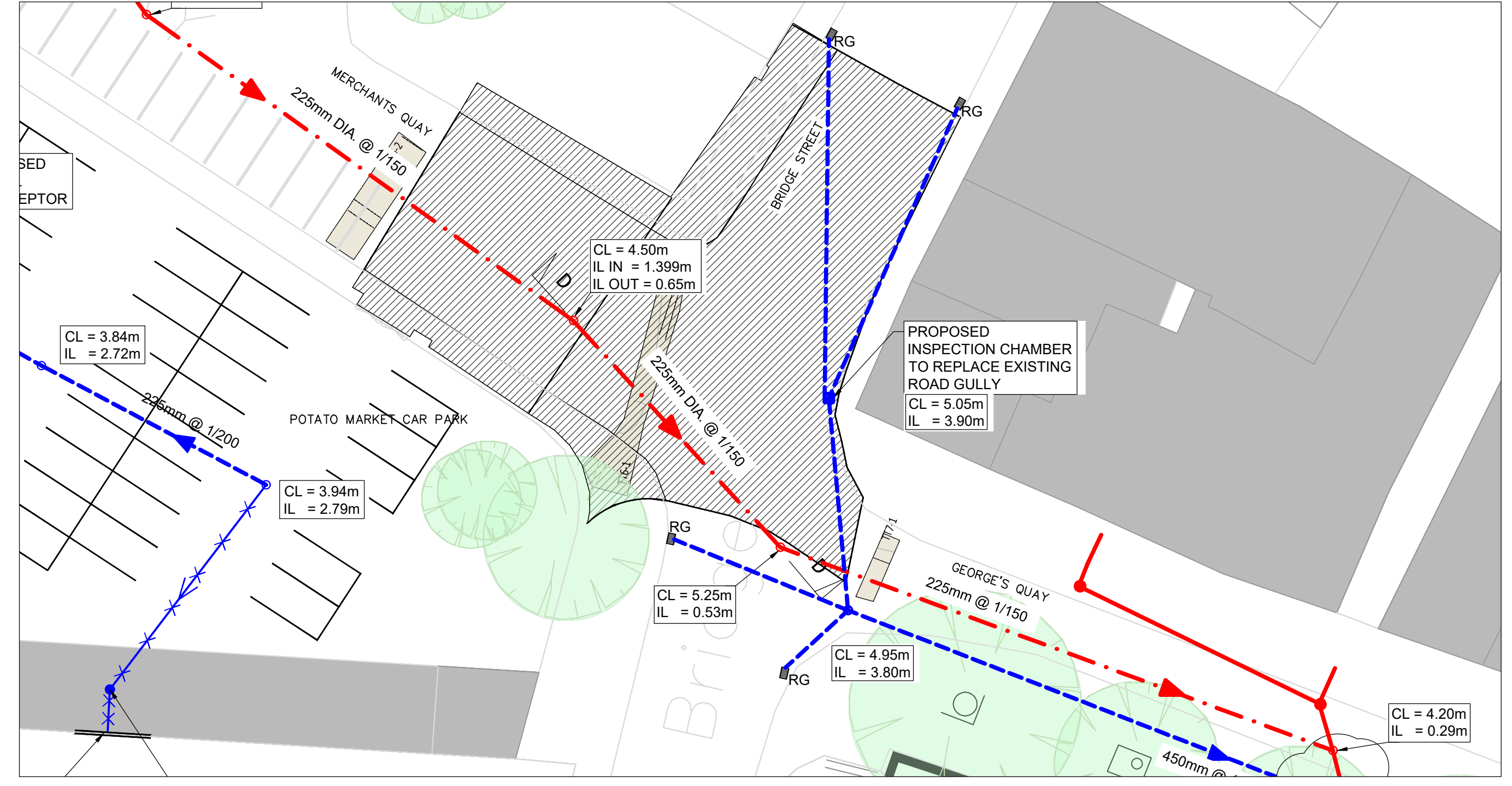
PLAN LAYOUT
SCALE 1:250



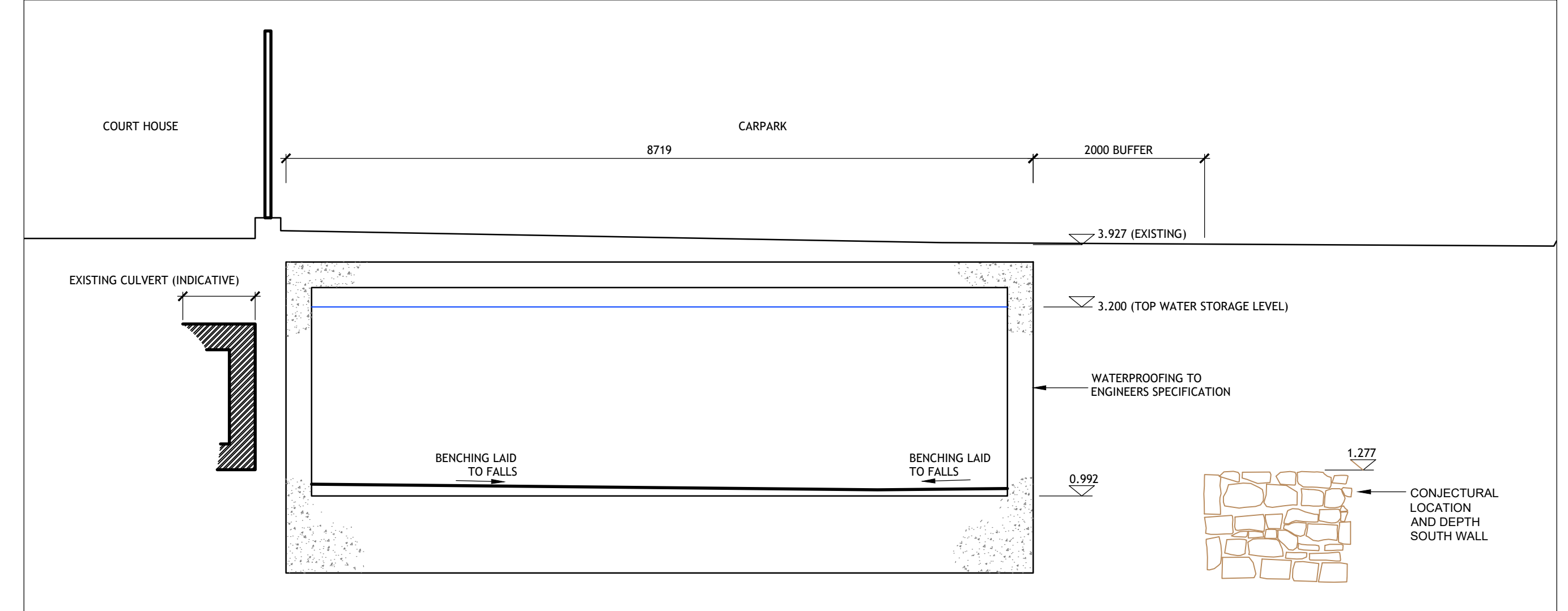
SECTION C-C: PRISON WALL CROSSING
SCALE 1:100



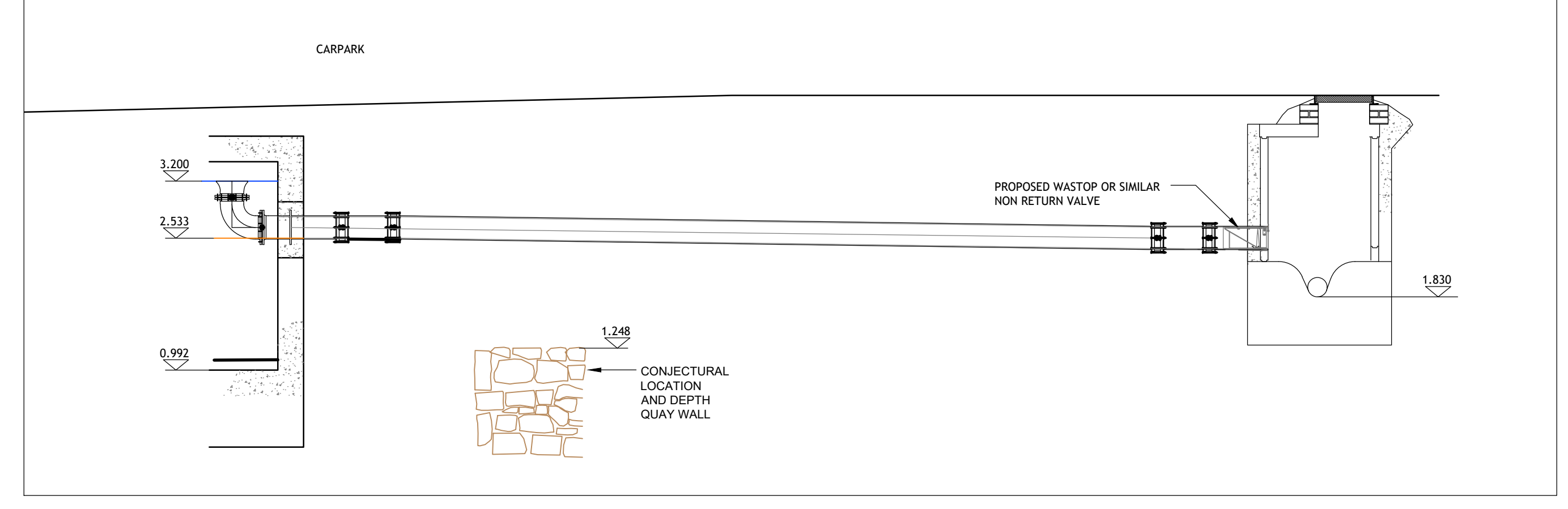
SECTION D-D: BRIDGE STREET CROSSING
SCALE 1:100



PLAN LAYOUT
SCALE 1:250



TYPICAL SECTION A-A
SCALE 1:50



TYPICAL SECTION B-B
SCALE 1:50

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URBAN DESIGN

Issue	Date	By	Chkd	Appd
PL2	27/10/20	LL	DW	DW
PL1	20/10/20	LL	DW	DW

Client

Comhairle Cathrach & Contae Luimnigh
Limerick City & County Council

OPW
Oifig na nObrechtaí
Office of Public Works

Job Title

KING'S ISLAND
FLOOD RELIEF SCHEME

Scale at A1
AS SHOWN

Discipline
Infrastructure

ARUP

50 Ringsend Road,
Dublin 4, D04 T6X0, Ireland
t: +353 1 233 4455 f: +353 1 668 3169
www.arup.com

Drawing Title

Inter Tidal Storage Tank
At Courthouse/Potato Market

Job No
265545

Drawing Status
PLANNING

Drawing No
KIFRS-C-220

Issue
PL2

