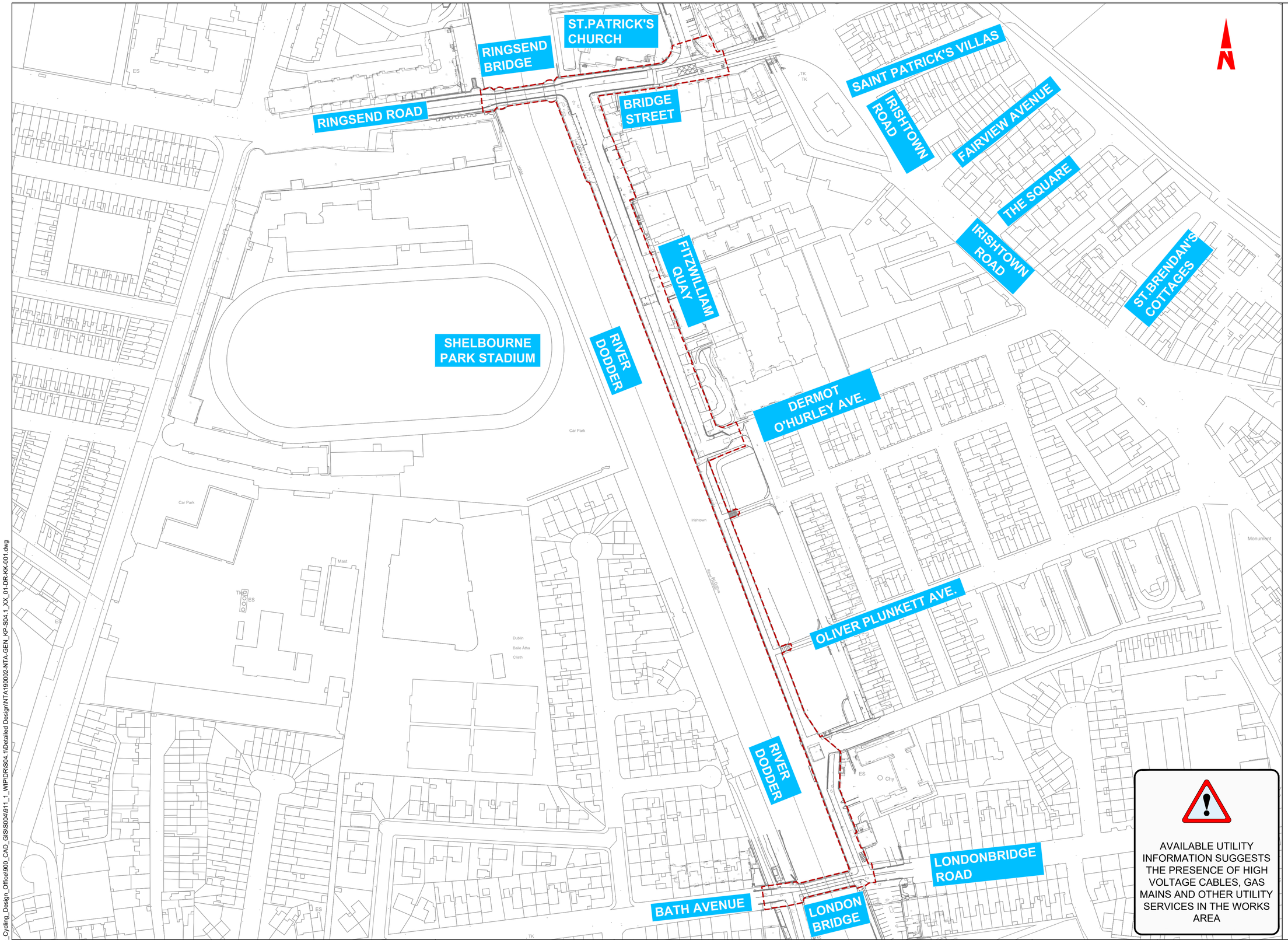

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AVAILABLE UTILITY INFORMATION SUGGESTS THE PRESENCE OF HIGH VOLTAGE CABLES, GAS MAINS AND OTHER UTILITY SERVICES IN THE WORKS AREA

LEGEND

WORKS AREA

FOR TENDER

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Rev	Date	Drn	Chk'd	App'd	Description
P01	22.09.2023	RD	AB	EG	ISSUED FOR TENDER REVIEW
P02	30.04.2025	RD	AP	EG	ISSUED FOR TENDER

Client: Comhairle Cathrach Bhaile Átha Cliath / Dublin City Council

Engineering Designer: AECOM

Project Title: **FITZWILLIAM QUAY- LONDONBRIDGE STREET SECTION 1**

Drawing Title: SITE LOCATION

Date	Scale	Drawn	Checked	Approved
30.04.2025	1:1000@A1 1:2000@A3	RD	AP	EG

Project Code	Originator Code	QMS Code	Drawing File Name	Sheet Number	Status	Rev
NTA190002	NTA	S04.1	NTA190002-NTA-GEN_KP-S04.1_XX_01-DR-KK-001	1 of 1	B2	P02

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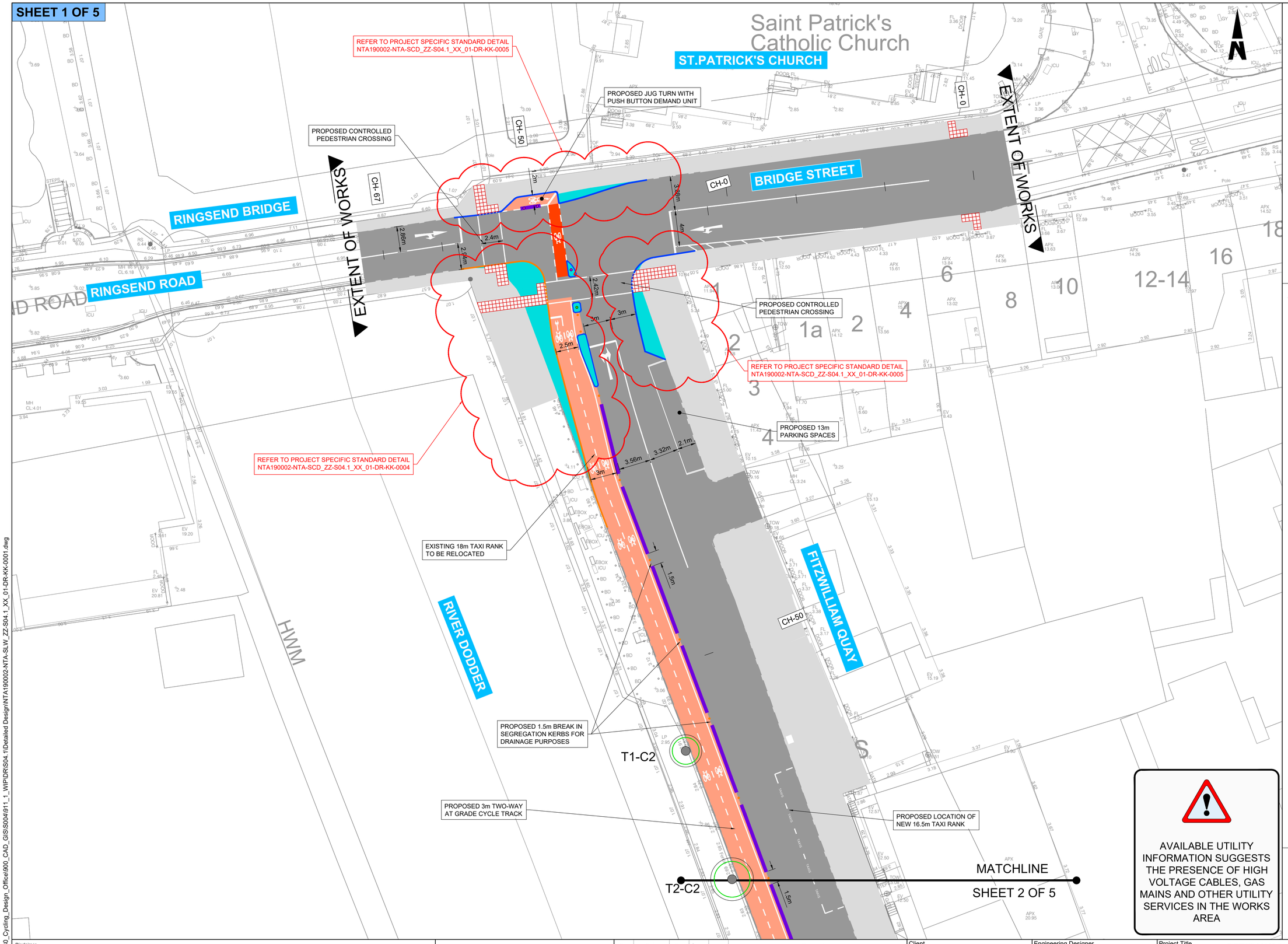
SHEET 1 OF 5



AVAILABLE UTILITY INFORMATION SUGGESTS THE PRESENCE OF HIGH VOLTAGE CABLES, GAS MAINS AND OTHER UTILITY SERVICES IN THE WORKS AREA

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LEGEND:

- EXISTING KERB TO BE RETAINED
- PROPOSED EXTRUDED CONCRETE SEGREGATION KERB
- PROPOSED IN-SITU CONCRETE KERB
- PROPOSED IN-SITU CONCRETE DROPPED TRANSITION KERB
- PROPOSED EDGING KERB
- PROPOSED EXTRUDED 30 DEGREE SPLAY KERB WITH 60mm UPSTAND
- PROPOSED GRANITE KERB, INTEGRATION OF NEW KERBS TO BE AGREED ON SITE WITH DCC.
- PROPOSED GRANITE DROP KERB, INTEGRATION OF NEW GRANITE DROP KERBS TO BE AGREED WITH DCC ON SITE.
- PROPOSED CYCLE RAMP
- PROPOSED CYCLE FACILITY
- PROPOSED GRASS VERGE
- PROPOSED FOOTPATH BUILDOUT
- PROPOSED BOLLARD
- EXISTING HERITAGE FEATURE
- PROPOSED RED / BUFF TACTILE PAVING
- PROPOSED BUFF CORDUROY TACTILE
- PROPOSED SPEED RESTRICTION RAMP
- EXISTING CARRIAGEWAY
- EXISTING FOOTPATH

TREE LEGEND:

- TREE STEM
- NOMINAL ROOT PROTECTION AREA (RPA)
- ADJUSTED RPA

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P03	12.01.2024	AK	AB	EG	ISSUED FOR TENDER
P04	29.04.2025	RD	AP	EG	ISSUED FOR TENDER

Client: Comhairle Cathrach Bhaile Átha Cliath / Dublin City Council

Engineering Designer: AECOM

Date	Scale	Drawn	Checked	Approved
29.04.2025	1:200@A1 1:400@A3	RD	AP	EG

Project Code	Originator Code	QMS Code
NTA190002	NTA	S04.1

Project Title: **FITZWILLIAM QUAY- LONDONBRIDGE STREET SECTION 1**

Drawing Title: GENERAL ARRANGEMENT

Drawing File Name	Sheet Number	Status	Rev
NTA190002-NTA-SLW_ZZ-S04.1_XX_01-DR-KK-0001	1 of 5	E3	P04

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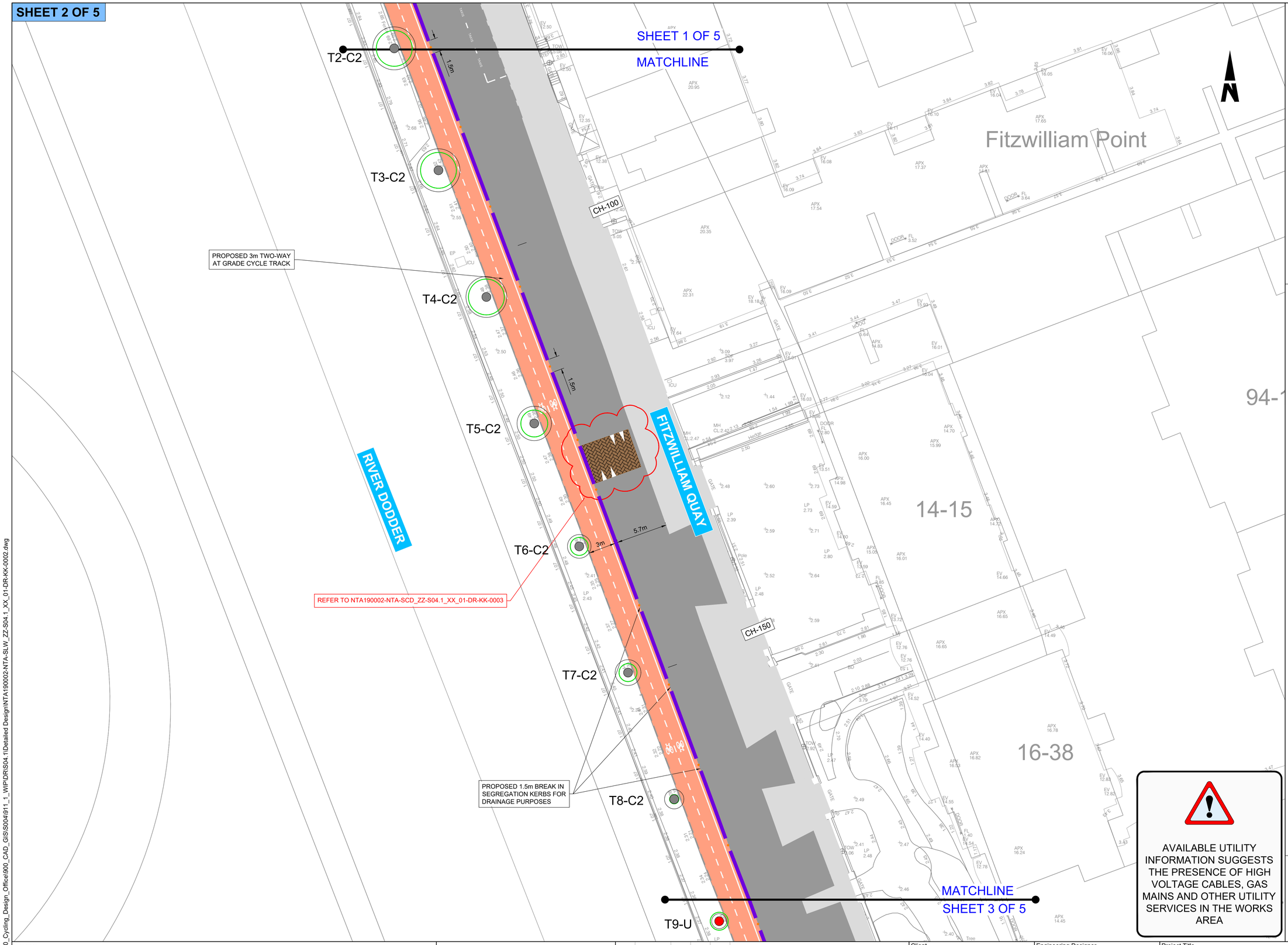

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TREE LEGEND:

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P03	12.01.2024	AK	AB	EG	ISSUED FOR TENDER
P04	29.04.2025	RD	AP	EG	ISSUED FOR TENDER

Client: Comhairle Cathrach Bhaile Átha Cliath / Dublin City Council

Engineering Designer: AECOM

Project Title: **FITZWILLIAM QUAY- LONDONBRIDGE STREET SECTION 1**

Drawing Title: GENERAL ARRANGEMENT

Date	Scale	Drawn	Checked	Approved
29.04.2025	1:200@A1 1:400@A3	RD	AP	EG

Project Code	Originator Code	QMS Code	Drawing File Name	Sheet Number	Status	Rev
NTA190002	NTA	S04.1	NTA190002-NTA-SLW_ZZ-S04.1_XX_01-DR-KK-0002	2 of 5	E3	P04

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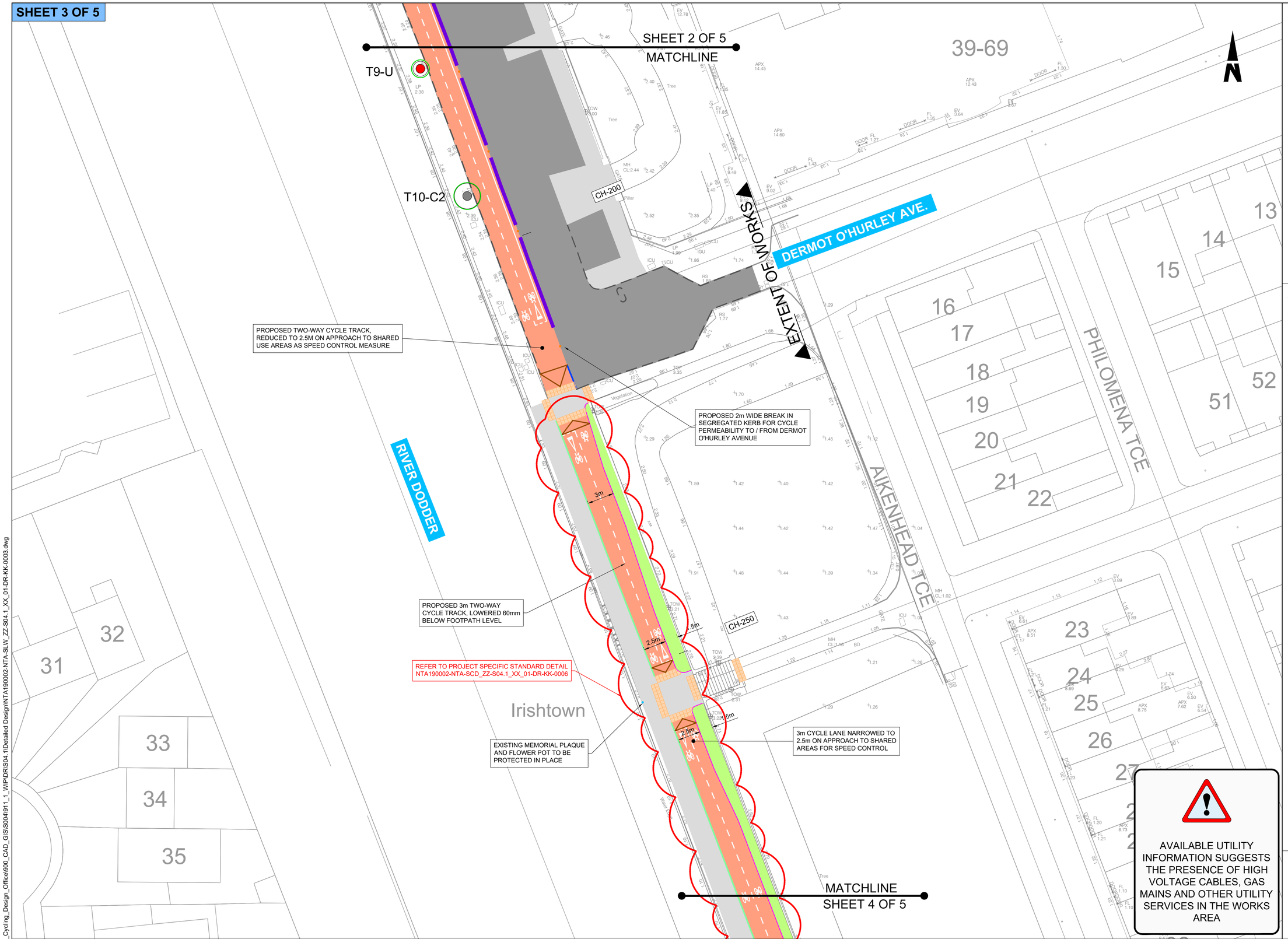

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- EXISTING FOOTPATH

TREE LEGEND:

- TREE STEM
- NOMINAL ROOT PROTECTION AREA (RPA)
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Client: Comhairle Cathrach Bhaile Átha Cliath / Dublin City Council

Engineering Designer: AECOM

Project Title: **FITZWILLIAM QUAY- LONDONBRIDGE STREET SECTION 1**

Drawing Title: GENERAL ARRANGEMENT

Date	Scale	Drawn	Checked	Approved
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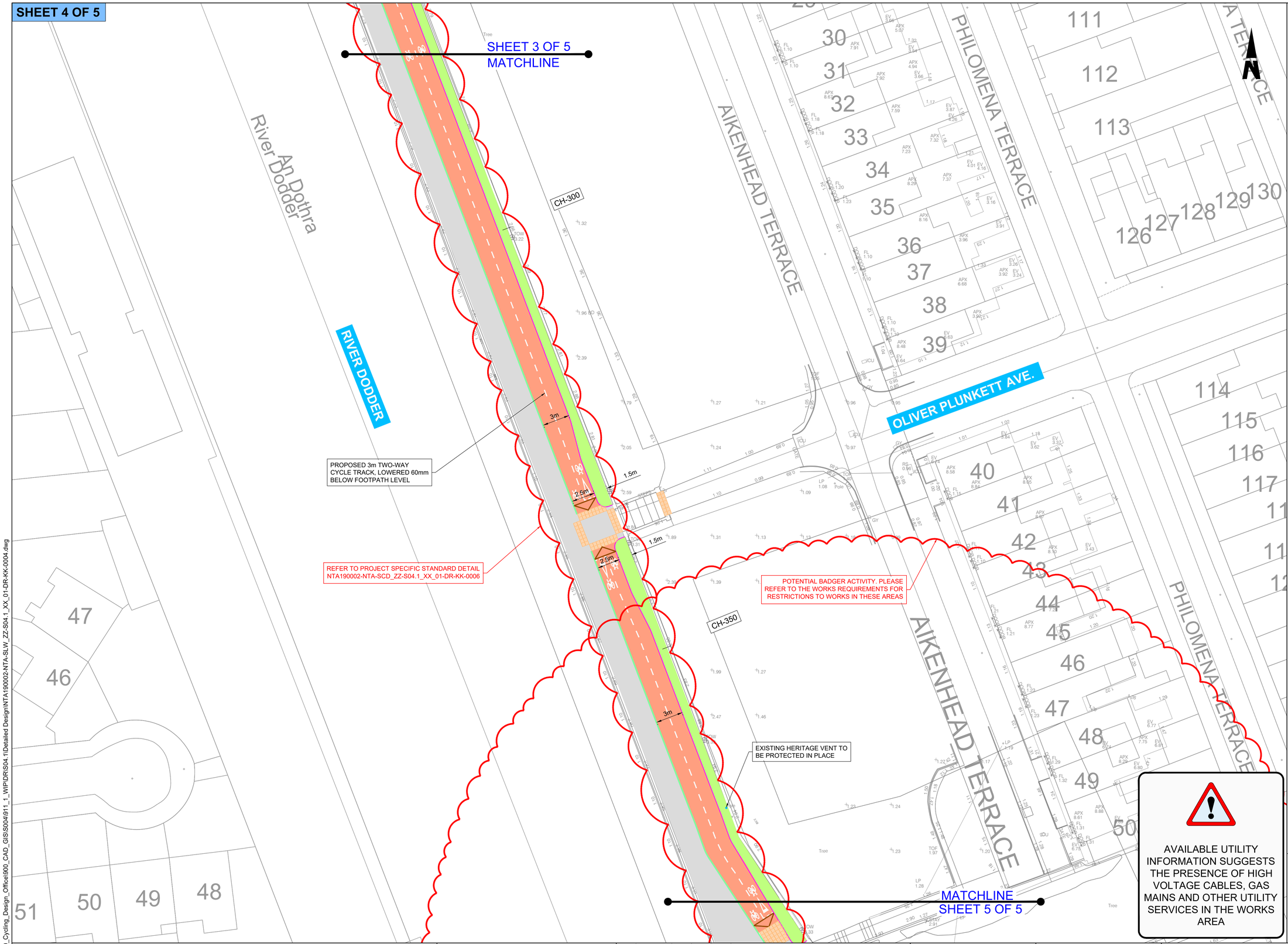
SHEET 4 OF 5



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LEGEND:

- EXISTING KERB TO BE RETAINED
- PROPOSED EXTRUDED CONCRETE SEGREGATION KERB
- PROPOSED IN-SITU CONCRETE KERB
- PROPOSED IN-SITU CONCRETE DROPPED TRANSITION KERB
- PROPOSED EDGING KERB
- PROPOSED EXTRUDED 30 DEGREE SPLAY KERB WITH 60mm UPSTAND
- PROPOSED GRANITE KERB, INTEGRATION OF NEW KERBS TO BE AGREED ON SITE WITH DCC.
- PROPOSED GRANITE DROP KERB, INTEGRATION OF NEW GRANITE DROP KERBS TO BE AGREED WITH DCC ON SITE.
- PROPOSED CYCLE RAMP
- PROPOSED CYCLE FACILITY
- PROPOSED GRASS VERGE
- PROPOSED FOOTPATH BUILDOUT
- PROPOSED BOLLARD
- EXISTING HERITAGE FEATURE
- PROPOSED RED / BUFF TACTILE PAVING
- PROPOSED BUFF CORDUROY TACTILE
- PROPOSED SPEED RESTRICTION RAMP
- EXISTING CARRIAGEWAY
- EXISTING FOOTPATH

TREE LEGEND:

- TREE STEM
- NOMINAL ROOT PROTECTION AREA (RPA)
- ADJUSTED RPA

NOTE - ROAD MARKINGS ARE SHOWN FOR CLARITY ONLY. PLEASE REFER TO SERIES 1200 FOR DETAILS.

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Rev	Date	Drn	Chk'd	App'd	Description
P01	22.09.2023	RD	AB	EG	ISSUED FOR TENDER REVIEW
P02	21.12.2023	GH	AB	EG	ISSUED FOR TENDER REVIEW
P03	12.01.2024	AK	AB	EG	ISSUED FOR TENDER
P04	29.04.2025	RD	AP	EG	ISSUED FOR TENDER

Client: Comhairle Cathrach Bhaile Átha Cliath / Dublin City Council

Engineering Designer: AECOM

Date	Scale	Drawn	Checked	Approved
29.04.2025	1:200@A1 1:400@A3	RD	AP	EG

Project Code	Originator Code	QMS Code
NTA190002	NTA	S04.1

Project Title: **FITZWILLIAM QUAY- LONDONBRIDGE STREET SECTION 1**

Drawing Title: GENERAL ARRANGEMENT

Drawing File Name	Sheet Number	Status	Rev
NTA190002-NTA-SLW_ZZ-S04.1_XX_01-DR-KK-0004	4 of 5	E3	P04

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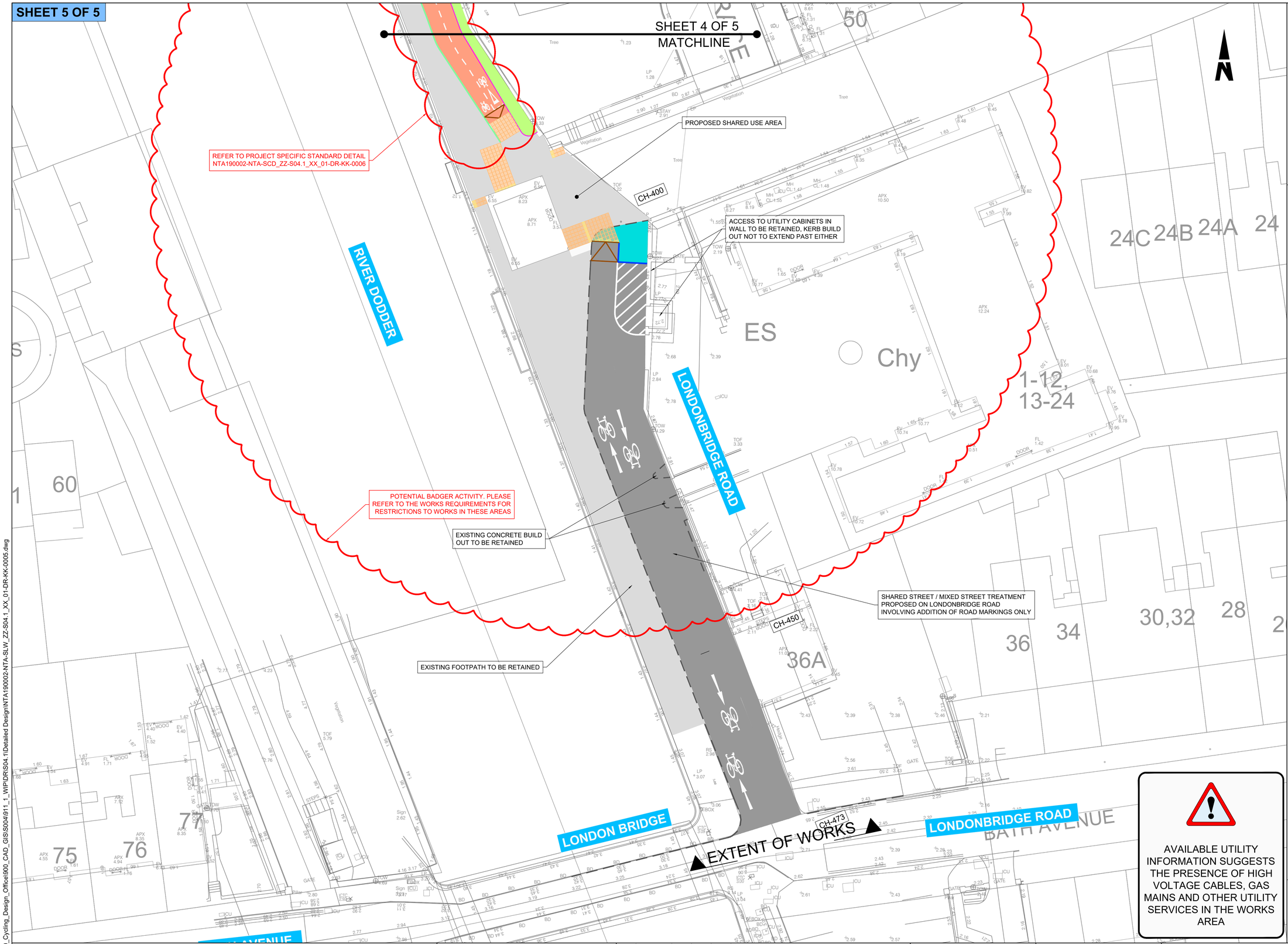

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FOR TENDER

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Client: Comhairle Cathrach Bhaile Átha Cliath / Dublin City Council

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Project Code	Originator Code	QMS Code
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Project Title: **FITZWILLIAM QUAY- LONDONBRIDGE STREET SECTION 1**

Drawing Title: GENERAL ARRANGEMENT

Drawing File Name	Sheet Number	Status	Rev
NTA190002-NTA-SLW_ZZ-S04.1_XX_01-DR-KK-0005	5 of 5	E3	P04

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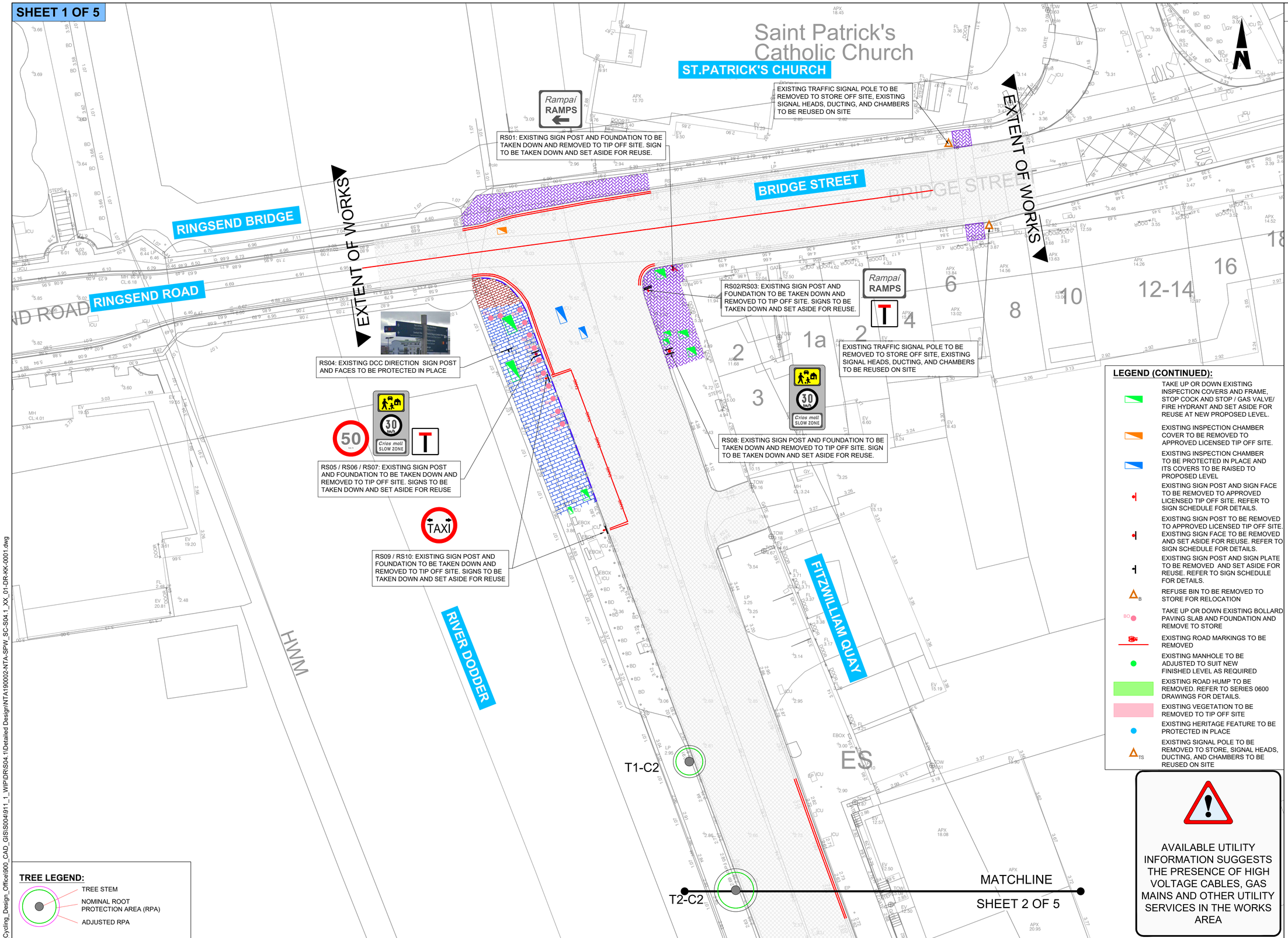
SHEET 1 OF 5



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LEGEND:

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- REFER TO SERIES 0700 DRAWINGS FOR PAVEMENT TREATMENTS
- AREA OF VERGE TO BE EXCAVATED AND STOCKPILED ON SITE FOR REUSE

LEGEND (CONTINUED):

- TAKE UP OR DOWN EXISTING INSPECTION COVERS AND FRAME, STOP COCK AND STOP / GAS VALVE/ FIRE HYDRANT AND SET ASIDE FOR REUSE AT NEW PROPOSED LEVEL.
- EXISTING INSPECTION CHAMBER COVER TO BE REMOVED TO APPROVED LICENSED TIP OFF SITE.
- EXISTING INSPECTION CHAMBER TO BE PROTECTED IN PLACE AND ITS COVERS TO BE RAISED TO PROPOSED LEVEL
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- REFUSE BIN TO BE REMOVED TO STORE FOR RELOCATION
- TAKE UP OR DOWN EXISTING BOLLARD PAVING SLAB AND FOUNDATION AND REMOVE TO STORE
- EXISTING ROAD MARKINGS TO BE REMOVED
- EXISTING MANHOLE TO BE ADJUSTED TO SUIT NEW FINISHED LEVEL AS REQUIRED
- EXISTING ROAD HUMP TO BE REMOVED. REFER TO SERIES 0600 DRAWINGS FOR DETAILS.
- EXISTING VEGETATION TO BE REMOVED TO TIP OFF SITE
- EXISTING HERITAGE FEATURE TO BE PROTECTED IN PLACE
- EXISTING SIGNAL POLE TO BE REMOVED TO STORE, SIGNAL HEADS, DUCTING, AND CHAMBERS TO BE REUSED ON SITE

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FOR TENDER

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P04	28.04.2025	RD	AP	EG	ISSUED FOR TENDER

Client: Comhairle Cathrach Bhaile Átha Cliath — Dublin City Council

Engineering Designer: AECOM

Project Title: **FITZWILLIAM QUAY- LONDONBRIDGE STREET SECTION 1**

Drawing Title: SITE CLEARANCE

Date	Scale	Drawn	Checked	Approved
28.04.2025	1:200@A1 1:400@A3	RD	AP	EG

Project Code	Originator Code	QMS Code	Drawing File Name	Sheet Number	Status	Rev
NTA190002	NTA	S04.1	NTA190002-NTA-SPW_SC-S04.1_XX_01-DR-KK-0001	1 of 5	E3	P04

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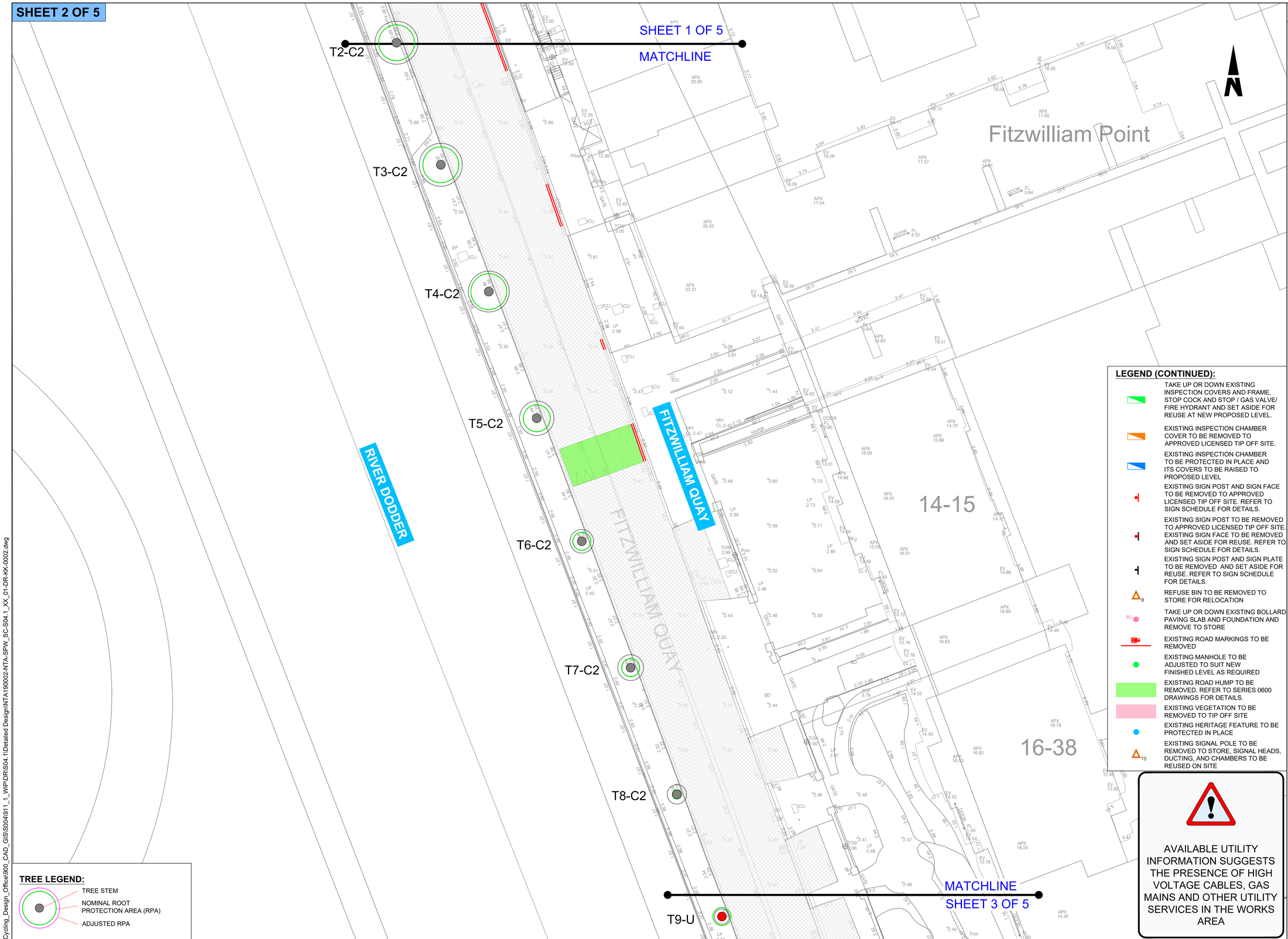

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LEGEND:

- TAKE UP OR DOWN EXISTING KERB, BEDDING, AND BACKING TO BE REMOVED TO APPROVED LICENSED TIP OFF SITE
- TAKE UP OR DOWN EXISTING ANTIQUE GRANITE KERB, BEDDING AND BACKING TO BE REMOVED TO APPROVED LICENSED TIP OFF SITE
- EXISTING CONCRETE PAVING SLABS FOOTWAY, APPROX 600x600x63mm CONCRETE PAVING SLAB, TO BE REMOVED TO STORE.
- EXISTING BLOCK PAVING FOOTWAY, APPROX 22x180x80mm CONCRETE BLOCK PAVIORS, AND APPROX 300x200mm RESTRAINING BEAMS TO BE REMOVED TO STORE.
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- ADJUSTED RPA

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P04	28.04.2025	RD	AP	EG	ISSUED FOR TENDER

Client: Comhairle Cathrach Bhaile Átha Cliath / Dublin City Council

Engineering Designer: AECOM

Project Title: **FITZWILLIAM QUAY- LONDONBRIDGE STREET SECTION 1**

Drawing Title: SITE CLEARANCE

Date	Scale	Drawn	Checked	Approved
28.04.2025	1:200@A1 1:400@A3	RD	AP	EG

Project Code	Originator Code	QMS Code	Drawing File Name	Sheet Number	Status	Rev
NTA190002	NTA	S04.1	NTA190002-NTA-SPW_SC-S04.1_XX_01-DR-KK-0002	2 of 5	E3	P04

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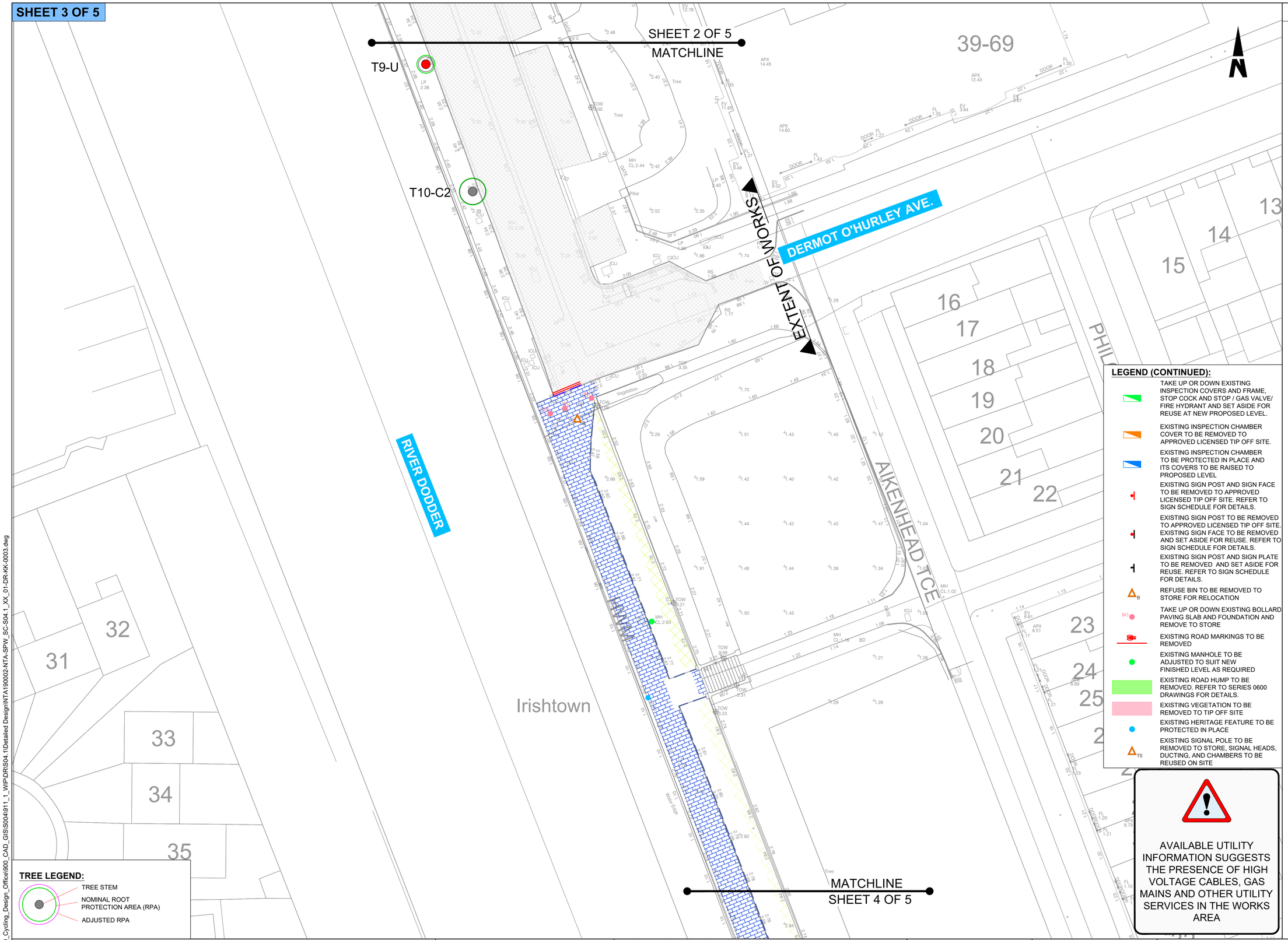

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LEGEND (CONTINUED):

- TAKE UP OR DOWN EXISTING INSPECTION COVERS AND FRAME, STOP COCK AND STOP / GAS VALVE/ FIRE HYDRANT AND SET ASIDE FOR REUSE AT NEW PROPOSED LEVEL.
- EXISTING INSPECTION CHAMBER COVER TO BE REMOVED TO APPROVED LICENSED TIP OFF SITE.
- EXISTING INSPECTION CHAMBER TO BE PROTECTED IN PLACE AND ITS COVERS TO BE RAISED TO PROPOSED LEVEL
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- REFUSE BIN TO BE REMOVED TO STORE FOR RELOCATION
- BQ — TAKE UP OR DOWN EXISTING BOLLARD PAVING SLAB AND FOUNDATION AND REMOVE TO STORE
- EXISTING ROAD MARKINGS TO BE REMOVED
- EXISTING MANHOLE TO BE ADJUSTED TO SUIT NEW FINISHED LEVEL AS REQUIRED
- EXISTING ROAD HUMP TO BE REMOVED. REFER TO SERIES 0600 DRAWINGS FOR DETAILS.
- EXISTING VEGETATION TO BE REMOVED TO TIP OFF SITE
- EXISTING HERITAGE FEATURE TO BE PROTECTED IN PLACE
- TS — EXISTING SIGNAL POLE TO BE REMOVED TO STORE, SIGNAL HEADS, DUCTING, AND CHAMBERS TO BE REUSED ON SITE

AVAILABLE UTILITY INFORMATION SUGGESTS THE PRESENCE OF HIGH VOLTAGE CABLES, GAS MAINS AND OTHER UTILITY SERVICES IN THE WORKS AREA

LEGEND:

- TAKE UP OR DOWN EXISTING KERB, BEDDING, AND BACKING TO BE REMOVED TO APPROVED LICENSED TIP OFF SITE
- TAKE UP OR DOWN EXISTING ANTIQUE GRANITE KERB, BEDDING AND BACKING TO BE REMOVED TO APPROVED LICENSED TIP OFF SITE
- EXISTING CONCRETE PAVING SLABS FOOTWAY, APPROX 600x600x63mm CONCRETE PAVING SLAB, TO BE REMOVED TO STORE.
- EXISTING BLOCK PAVING FOOTWAY, APPROX 22x180x80mm CONCRETE BLOCK PAVIORS, AND APPROX 300x200mm RESTRAINING BEAMS TO BE REMOVED TO STORE.
- EXISTING FOOTPATH TO BE BROKEN OUT AND EXCAVATED TO FORMATION LEVEL MINIMUM OF 250mm CONCRETE SURFACING AS PER '**NTA190002-NTA-SCD_ZZ-S04.1_XX_01-DR-KK-0005**'
- REFER TO SERIES 0700 DRAWINGS FOR PAVEMENT TREATMENTS
- AREA OF VERGE TO BE EXCAVATED AND STOCKPILED ON SITE FOR REUSE

FOR TENDER

TREE LEGEND:

- TREE STEM
- NOMINAL ROOT PROTECTION AREA (RPA)
- ADJUSTED RPA

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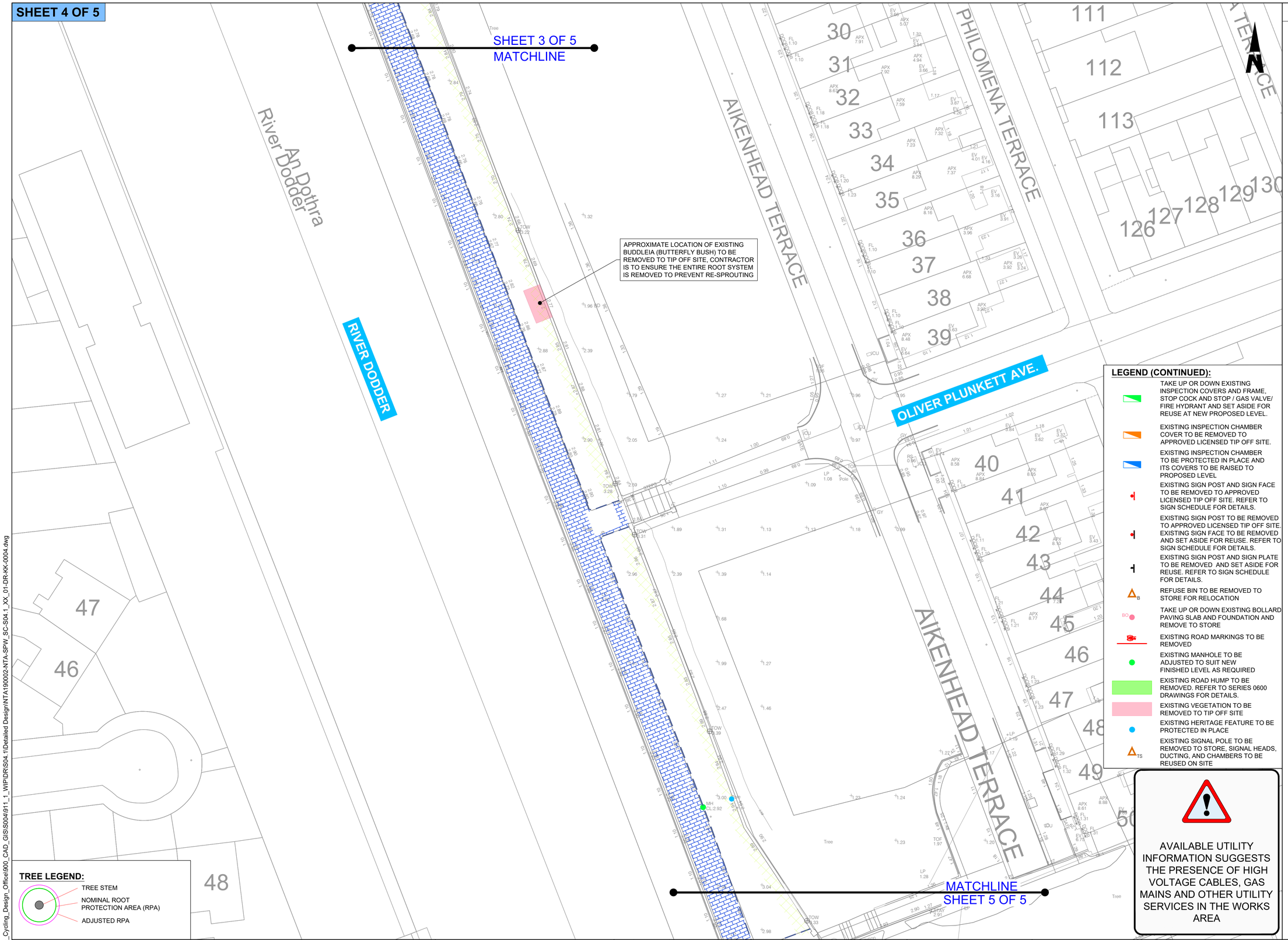

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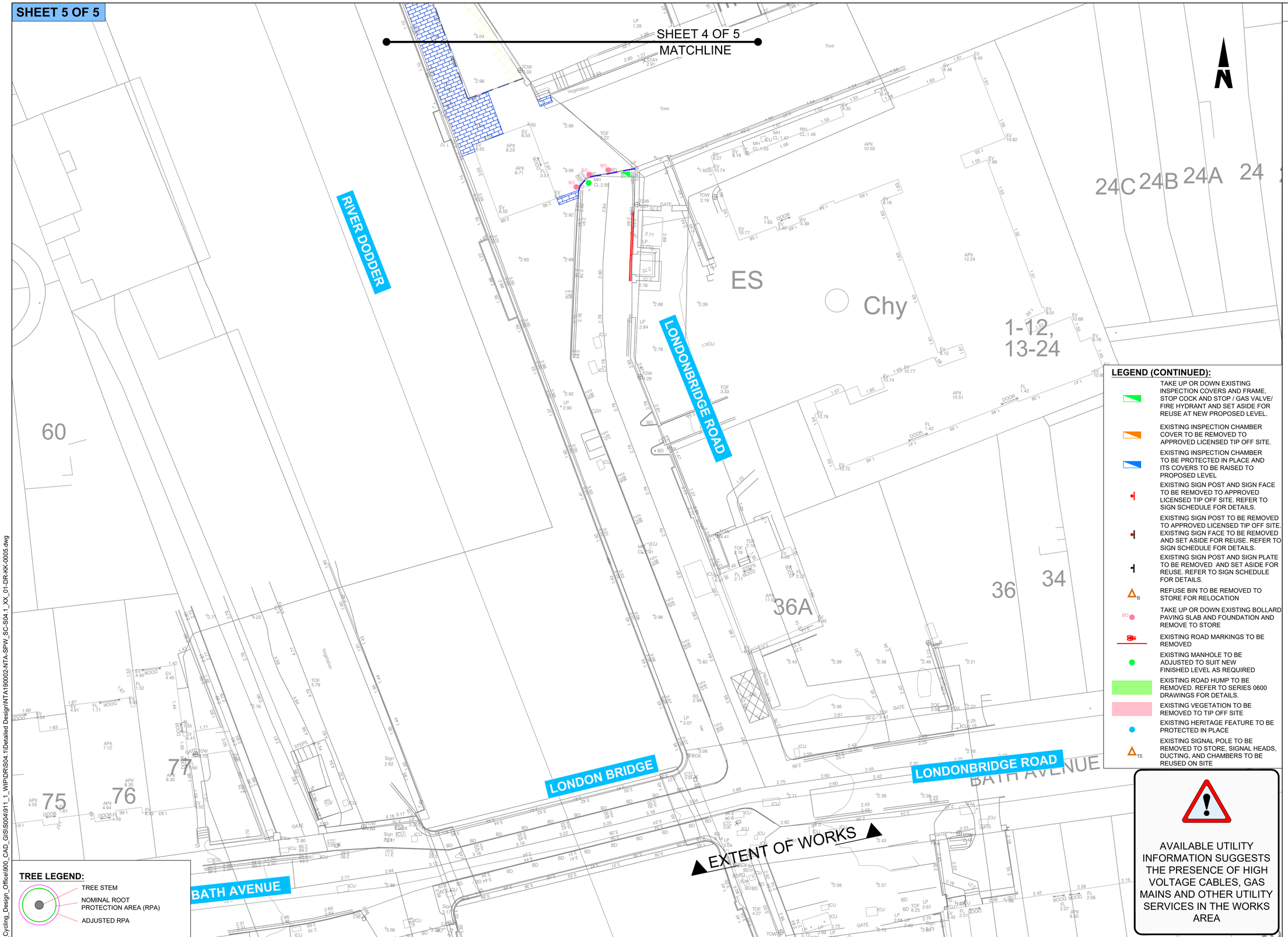

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NTA — Údarás Náisiúnta Iompair — National Transport Authority

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P04	28.04.2025	RD	AP	EG	ISSUED FOR TENDER

Client: Comhairle Cathrach Bhaile Átha Cliath / Dublin City Council

Engineering Designer: AECOM

Date	Scale	Drawn	Checked	Approved
28.04.2025	1:200@A1 1:400@A3	RD	AP	EG

Project Code	Originator Code	QMS Code
NTA190002	NTA	S04.1

Project Title: **FITZWILLIAM QUAY- LONDONBRIDGE STREET SECTION 1**

Drawing Title: SITE CLEARANCE

Drawing File Name	Sheet Number	Status	Rev
NTA190002-NTA-SPW_SC-S04.1_XX_01-DR-KK-0005	5 of 5	E3	P04

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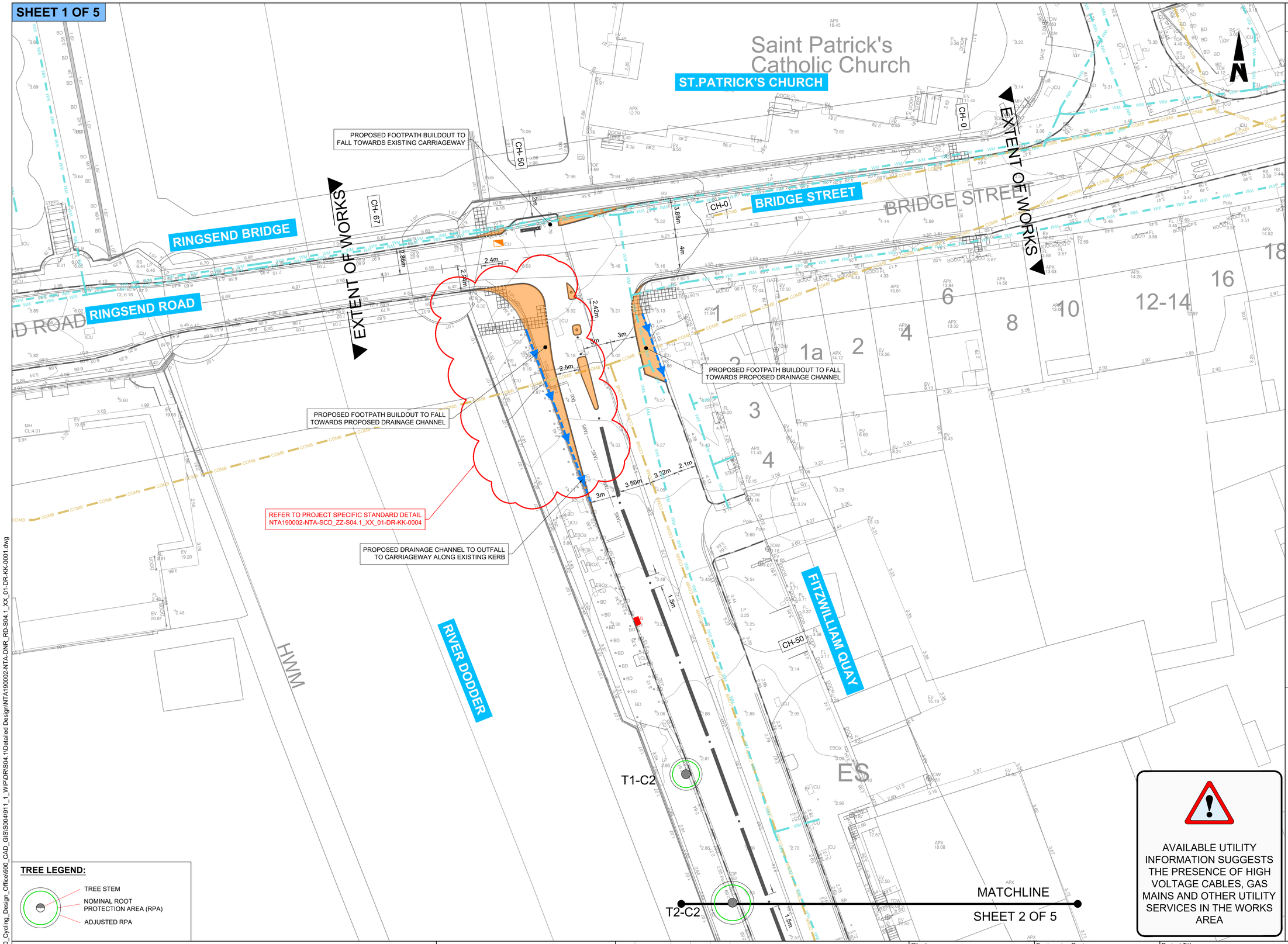
SHEET 1 OF 5



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TREE LEGEND:

- TREE STEM
- NOMINAL ROOT PROTECTION AREA (RPA)
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AVAILABLE UTILITY INFORMATION SUGGESTS THE PRESENCE OF HIGH VOLTAGE CABLES, GAS MAINS AND OTHER UTILITY SERVICES IN THE WORKS AREA

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Project Title: **FITZWILLIAM QUAY- LONDONBRIDGE STREET SECTION 1**

Drawing Title: PROPOSED DRAINAGE

Drawing File Name	Sheet Number	Status	Rev
NTA190002-NTA-DNR_RD-S04.1_XX_01-DR-KK-0001	1 of 5	E3	P04

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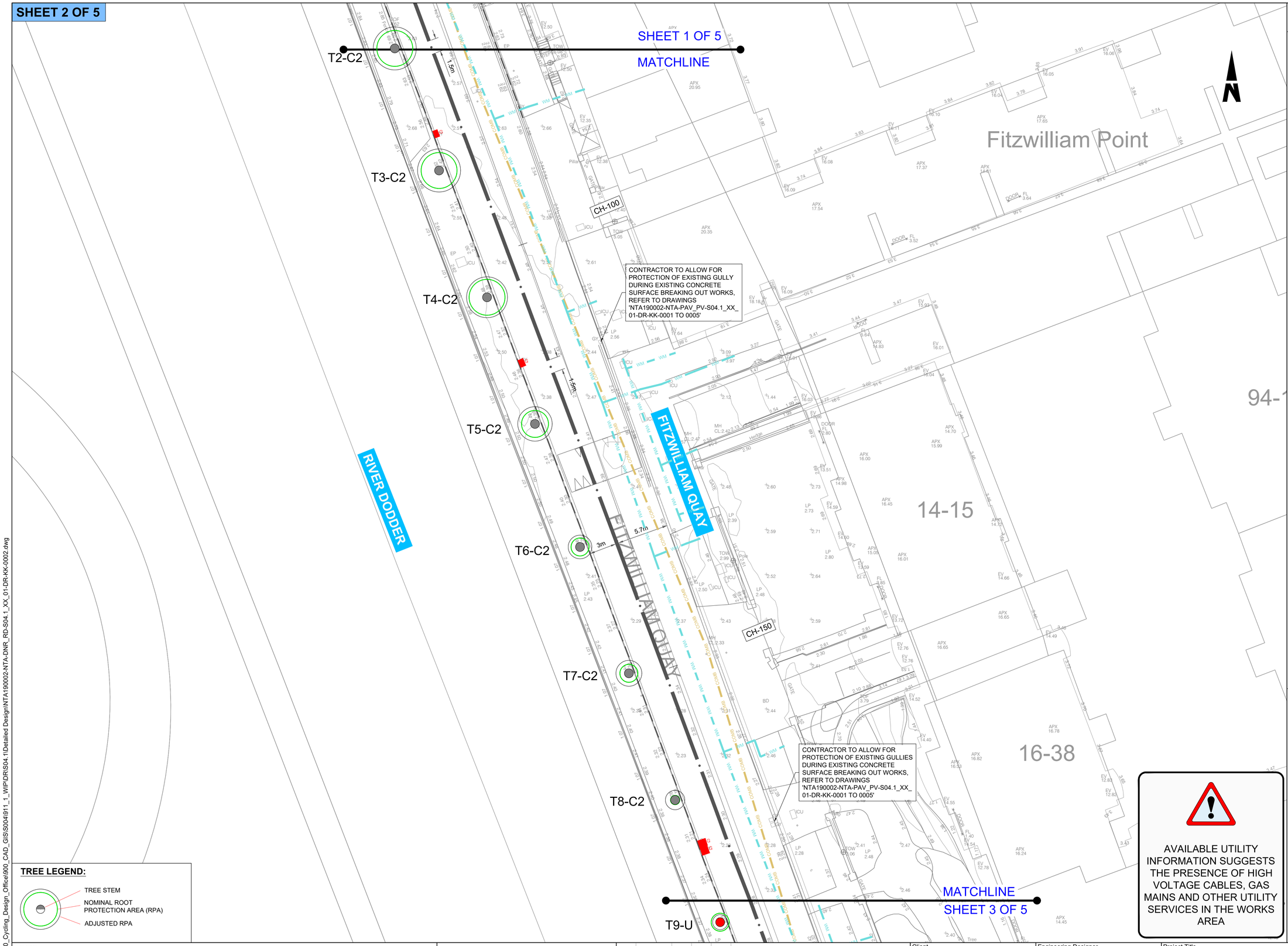
SHEET 2 OF 5



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Project Code	Originator Code	QMS Code
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Project Title: **FITZWILLIAM QUAY- LONDONBRIDGE STREET SECTION 1**

Drawing Title: PROPOSED DRAINAGE

Drawing File Name	Sheet Number	Status	Rev
NTA190002-NTA-DNR_RD-S04.1_XX_01-DR-KK-0002	2 of 5	E3	P04

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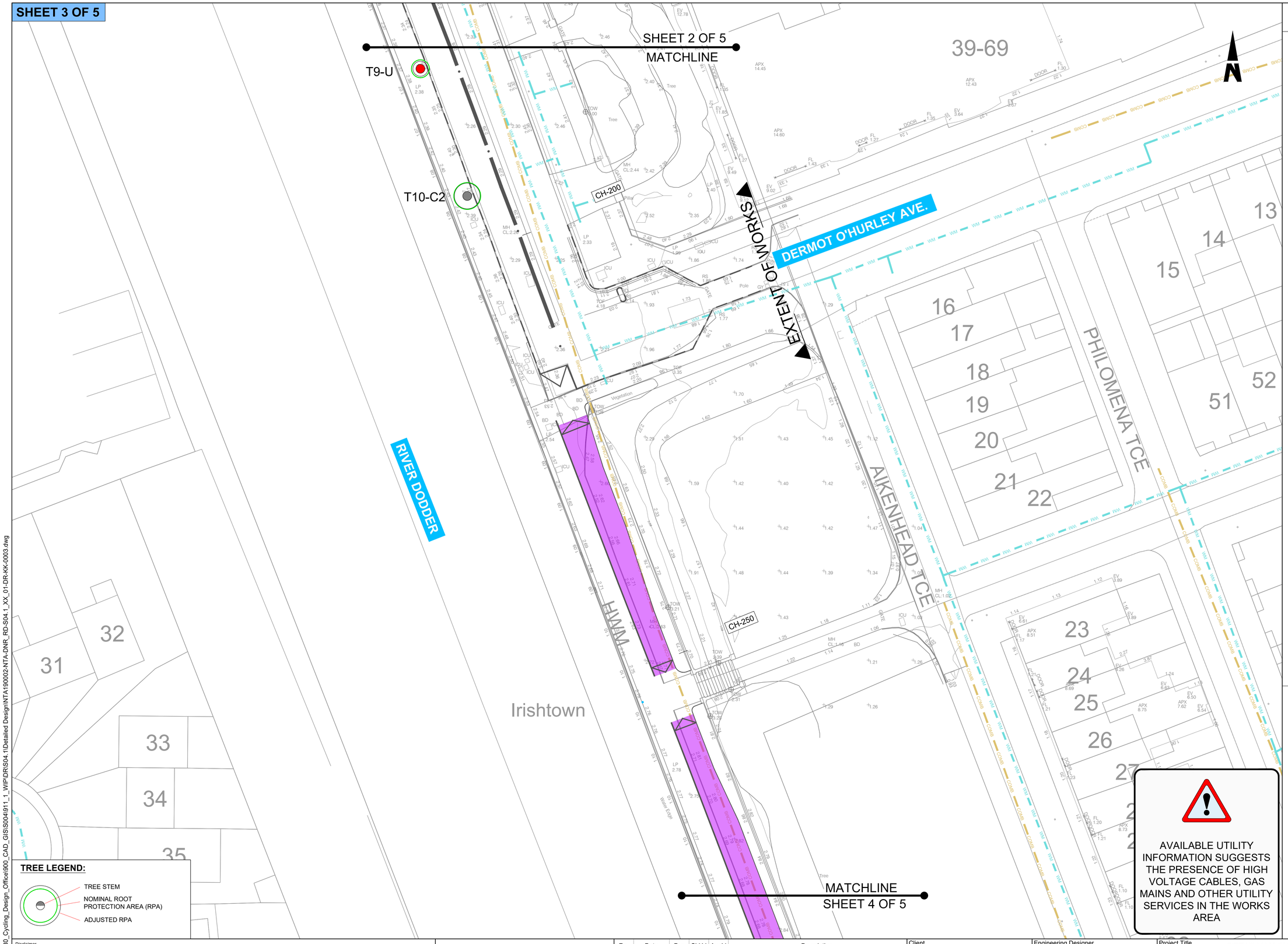

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Drawing Title: PROPOSED DRAINAGE

Drawing File Name	Sheet Number	Status	Rev
NTA190002-NTA-DNR_RD-S04.1_XX_01-DR-KK-0003	3 of 5	E3	P04

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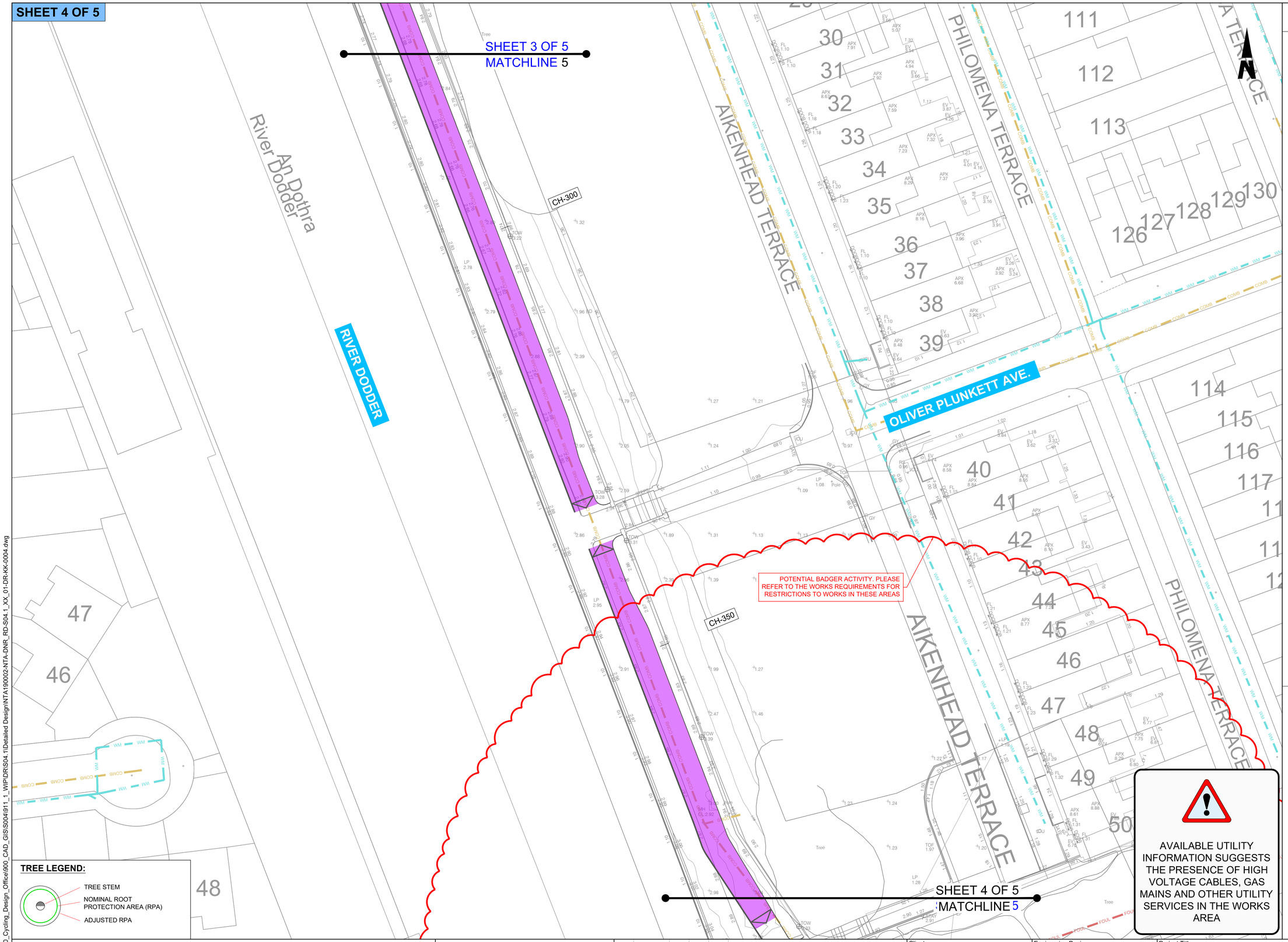

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7. ALL DRAINAGE WORKS TO COMPLY WITH THE GREATER DUBLIN REGIONAL CODE OF PRACTICE FOR DRAINAGE WORKS. THE USE OF PRECAST DRAINAGE INFRASTRUCTURE OR UPVC/ PLASTIC PIPEWORK WILL NOT BE PERMITTED.
8. GULLY GRATINGS AND FRAMES SHALL COMPLY WITH THE REQUIREMENTS OF IS/EN 124 AND BE A MINIMUM CLASS D400.
9. IF TRAPPED GULLIES ARE INSTRUCTED TO BE USED BY THE EMPLOYER THEY SHALL BE A COMPLETE INTEGRATED DUCTILE IRON WITH AN INTEGRAL TRAP AND HINGED CLEANING EYE COVER FOR RODDING.
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LEGEND:

- EXISTING GULLIES TO BE REPLACED WITH CYCLE FRIENDLY GULLIES TO INCLUDE CYCLE FREIDNLY GULLY GRATES, MASTIC SURROUND, GULLY TAILS AND NON RETURN VALVES. REFER TO **'NTA190002-NTA-SCD_ZZ-S04.1_XX_00-DR-KK-0002'**
- PROPOSED INSPECTION CHAMBER COVER TO MATCH EXISTING CHAMBER COVER SPECIFICATION
- PROPOSED PRECAST DRAINAGE CHANNEL TO BE PROVIDED AS PER **'NTA190002-NTA-SCD_ZZ-S04.1_XX_00-DR-KK-0003'**
- EXISTING COMBINED SEWER
- EXISTING FOUL WATER SEWER
- EXISTING WATERMAIN
- PROPOSED POROUS ASPHALT CYCLE TRACK, REFER TO SERIES 1100 DRAWINGS
- PROPOSED FOOTPATH BUILDOUT

TREE LEGEND:

- TREE STEM
- NOMINAL ROOT PROTECTION AREA (RPA)
- ADJUSTED RPA

FOR TENDER

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P02	21.12.2023	GH	AB	EG	ISSUED FOR TENDER REVIEW
P03	12.01.2024	AK	AB	EG	ISSUED FOR TENDER
P04	28.04.2025	RD	AP	EG	ISSUED FOR TENDER

Client: Comhairle Cathrach Bhaile Átha Cliath / Dublin City Council

Engineering Designer: AECOM

Date	Scale	Drawn	Checked	Approved
28.04.2025	1:200@A1 1:400@A3	RD	AP	EG

Project Code	Originator Code	QMS Code
NTA190002	NTA	S04.1

Project Title: **FITZWILLIAM QUAY- LONDONBRIDGE STREET SECTION 1**

Drawing Title: PROPOSED DRAINAGE

Drawing File Name	Sheet Number	Status	Rev
NTA190002-NTA-DNR_RD-S04.1_XX_01-DR-KK-0004	4 of 5	E3	P04

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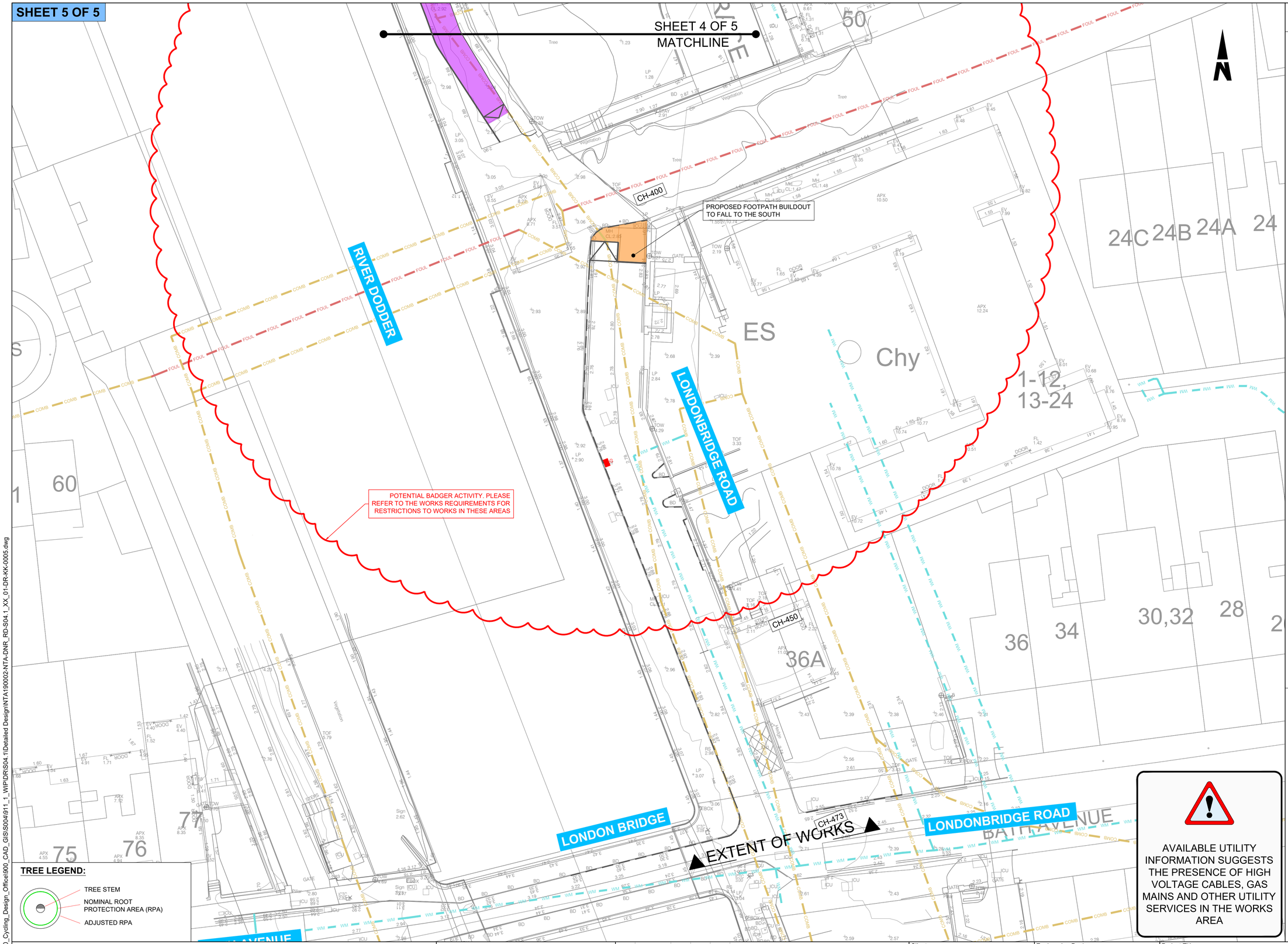

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LEGEND:

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- PROPOSED PRECAST DRAINAGE CHANNEL TO BE PROVIDED AS PER **'NTA190002-NTA-SCD_ZZ-S04.1_XX_00-DR-KK-0003'**
- COMB — EXISTING COMBINED SEWER
- FOUL — EXISTING FOUL WATER SEWER
- WM — EXISTING WATERMAIN
- PROPOSED POROUS ASPHALT CYCLE TRACK, REFER TO SERIES 1100 DRAWINGS
- PROPOSED FOOTPATH BUILDOUT

TREE LEGEND:

- TREE STEM
- NOMINAL ROOT PROTECTION AREA (RPA)
- ADJUSTED RPA

AVAILABLE UTILITY INFORMATION SUGGESTS THE PRESENCE OF HIGH VOLTAGE CABLES, GAS MAINS AND OTHER UTILITY SERVICES IN THE WORKS AREA

FOR TENDER

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P04	28.04.2025	RD	AP	EG	ISSUED FOR TENDER

Client: Comhairle Cathrach Bhaile Átha Cliath / Dublin City Council

Engineering Designer: AECOM

Date	Scale	Drawn	Checked	Approved
28.04.2025	1:200@A1 1:400@A3	RD	AP	EG

Project Code	Originator Code	QMS Code
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Project Title: **FITZWILLIAM QUAY- LONDONBRIDGE STREET SECTION 1**

Drawing Title: PROPOSED DRAINAGE

Drawing File Name	Sheet Number	Status	Rev
NTA190002-NTA-DNR_RD-S04.1_XX_01-DR-KK-0005	5 of 5	E3	P04

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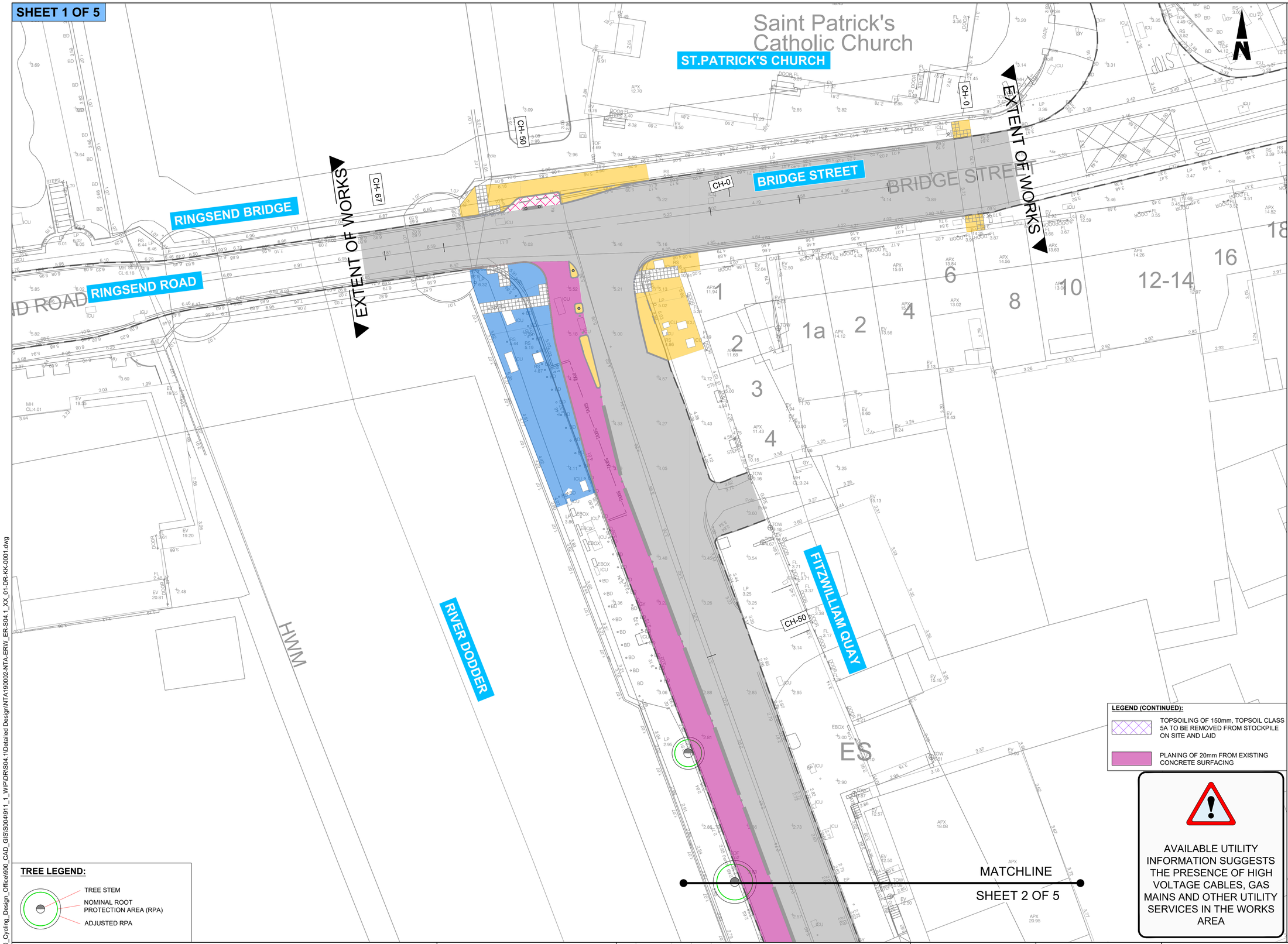

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11. THE CONTRACTOR IS TO ENSURE THAT DISTURBANCE TO LOCAL WATER, POWER OR COMMUNICATION SUPPLY IS AVOIDED WHERE POSSIBLE, WHERE UNAVOIDABLE, IT MUST BE KEPT TO A MINIMUM AND PROPERTY OWNERS NOTIFIED.

LEGEND:

- EXISTING AREA TO BE EXCAVATED TO A MINIMUM OF 370mm TO SUITABLE FORMATION LEVEL
- EXISTING AREA TO BE BROKEN OUT TO DEPTHS SUITABLE FOR DETAILS RM001 AND RM002, AS PER CONSTRUCTION STANDARDS FOR ROAD AND STREET WORKS IN DUBLIN CITY COUNCIL. REFER TO DRAWING **'NTA190002-NTA-SCD_ZZ-S04.1_XX_01-DR-KK-0004'**
- EXISTING AREA TO BE BROKEN OUT TO DEPTHS SUITABLE FOR DETAIL RM012, AS PER CONSTRUCTION STANDARDS FOR ROAD AND STREET WORKS IN DUBLIN CITY COUNCIL. REFER TO DRAWING 'NTA190002-NTA-SCD_ZZ-S04.1_XX-_01-DR-KK-0004'
- EXISTING CONCRETE SURFACE TO BE BROKEN OUT TO A DEPTH OF 70mm TO ALLOW FOR PROPOSED PAVEMENT TYPE B / RAMP REFER TO DRAWINGS 'NTA190002-NTA-PAV_PV-S04.1_XX_01-DR-KK-0001 TO 0005'
- FOR PROPOSED PAVEMENT WORKS REFER TO SERIES 0700 DRAWINGS
- EXISTING AREA TO BE EXCAVATED TO A SUITABLE DEPTH FOR FULL DEPTH CONSTRUCTION. REFER TO SERIES 0700 FOR MORE DETAIL
- EXISTING AREA TO BE EXCAVATED TO A MINIMUM OF 210mm *(60mm REDUCTION, 150mm TOPSOIL MIN REPLACED)*, ACCEPTABLE MATERIAL CLASS 5A TO BE STOCKPILED ON SITE.

LEGEND (CONTINUED):

- TOPSOILING OF 150mm, TOPSOIL CLASS 5A TO BE REMOVED FROM STOCKPILE ON SITE AND LAID
- PLANING OF 20mm FROM EXISTING CONCRETE SURFACING

AVAILABLE UTILITY INFORMATION SUGGESTS THE PRESENCE OF HIGH VOLTAGE CABLES, GAS MAINS AND OTHER UTILITY SERVICES IN THE WORKS AREA

TREE LEGEND:

- TREE STEM
- NOMINAL ROOT PROTECTION AREA (RPA)
- ADJUSTED RPA

FOR TENDER

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Client: Comhairle Cathrach Bhaile Átha Cliath / Dublin City Council

Engineering Designer: AECOM

Date	Scale	Drawn	Checked	Approved
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Project Code	Originator Code	QMS Code
NTA190002	NTA	S04.1

Project Title: **FITZWILLIAM QUAY- LONDONBRIDGE STREET SECTION 1**

Drawing Title: EARTHWORKS

Drawing File Name	Sheet Number	Status	Rev
NTA190002-NTA-ERW_ER-S04.1_XX_01-DR-KK-0001	1 of 5	E3	P04

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SHEET 2 OF 5

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Client: Comhairle Cathrach Bhaile Átha Cliath / Dublin City Council

Engineering Designer: AECOM

Date	Scale	Drawn	Checked	Approved
29.04.2025	1:200@A1 1:400@A3	RD	AP	EG

Project Code	Originator Code	QMS Code
NTA190002	NTA	S04.1

Project Title: **FITZWILLIAM QUAY- LONDONBRIDGE STREET SECTION 1**

Drawing Title: EARTHWORKS

Drawing File Name	Sheet Number	Status	Rev
NTA190002-NTA-ERW_ER-S04.1_XX_01-DR-KK-0002	2 of 5	E3	P04

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Engineering Designer: AECOM

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Project Code	Originator Code	QMS Code
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Project Title: **FITZWILLIAM QUAY- LONDONBRIDGE STREET SECTION 1**

Drawing Title: EARTHWORKS

Drawing File Name	Sheet Number	Status	Rev
NTA190002-NTA-ERW_ER-S04.1_XX_01-DR-KK-0003	3 of 5	E3	P04

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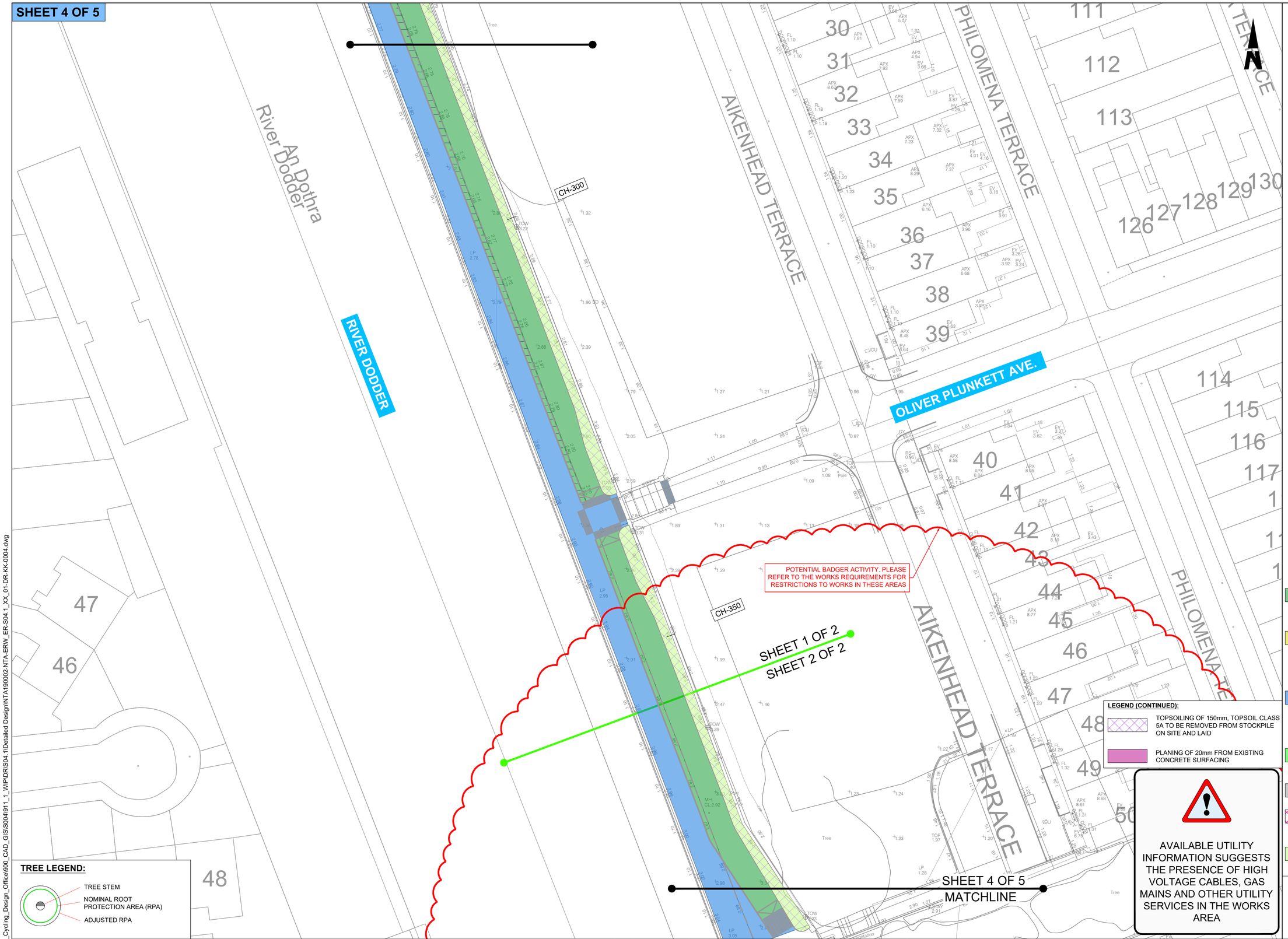

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Project Code	Originator Code	QMS Code	Drawing File Name	Sheet Number	Status	Rev
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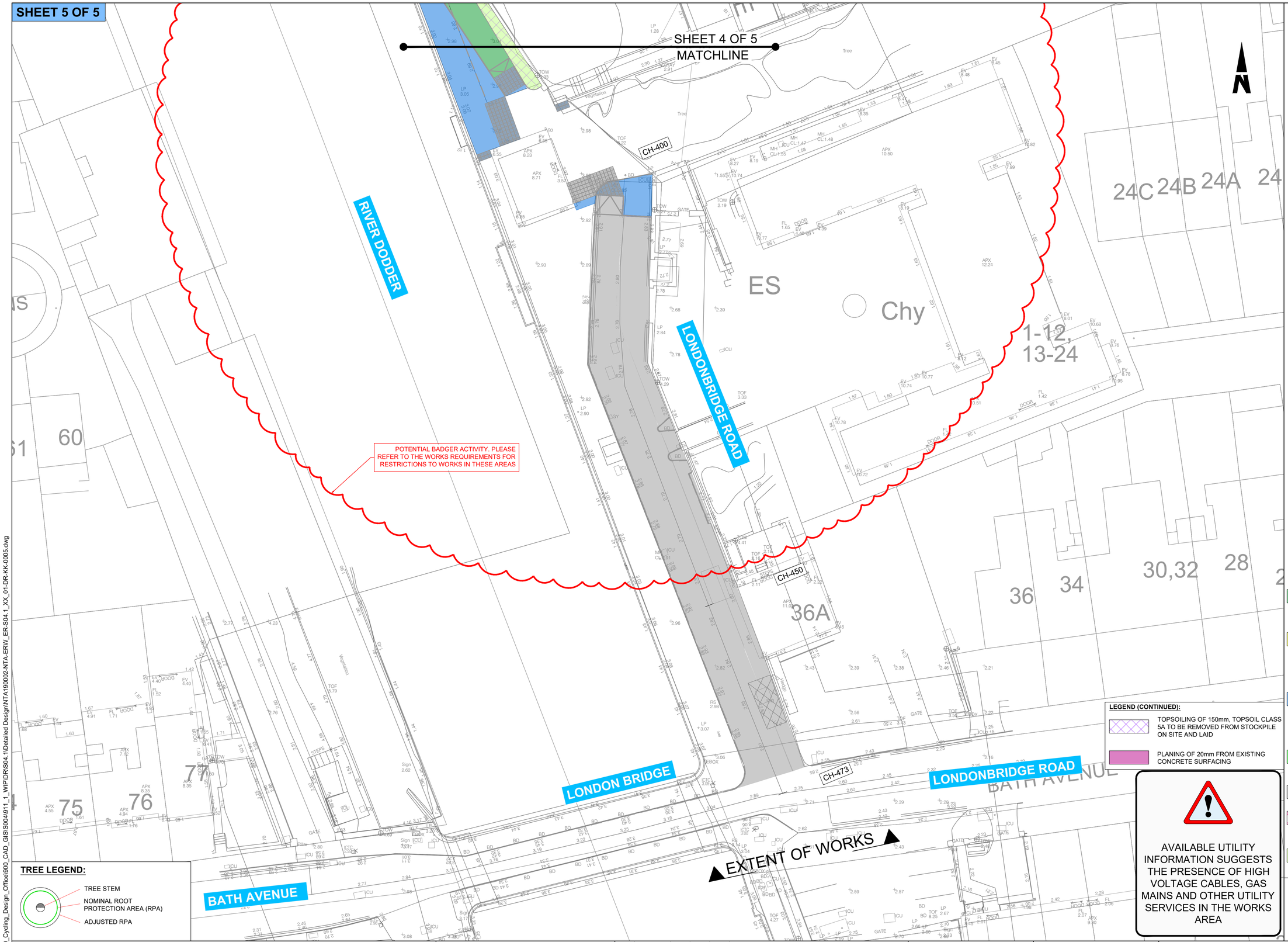

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P01	22.09.2023	RD	AB	EG	ISSUED FOR TENDER REVIEW
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P03	12.01.2024	AK	AB	EG	ISSUED FOR TENDER
P04	29.04.2025	RD	AP	EG	ISSUED FOR TENDER

Client: Comhairle Cathrach Bhaile Átha Cliath / Dublin City Council

Engineering Designer: AECOM

Project Title: **FITZWILLIAM QUAY- LONDONBRIDGE STREET SECTION 1**

Drawing Title: EARTHWORKS

Date	Scale	Drawn	Checked	Approved
29.04.2025	1:200@A1 1:400@A3	RD	AP	EG

Project Code	Originator Code	QMS Code	Drawing File Name	Sheet Number	Status	Rev
NTA190002	NTA	S04.1	NTA190002-NTA-ERW_ER-S04.1_XX_01-DR-KK-0005	5 of 5	E3	P04

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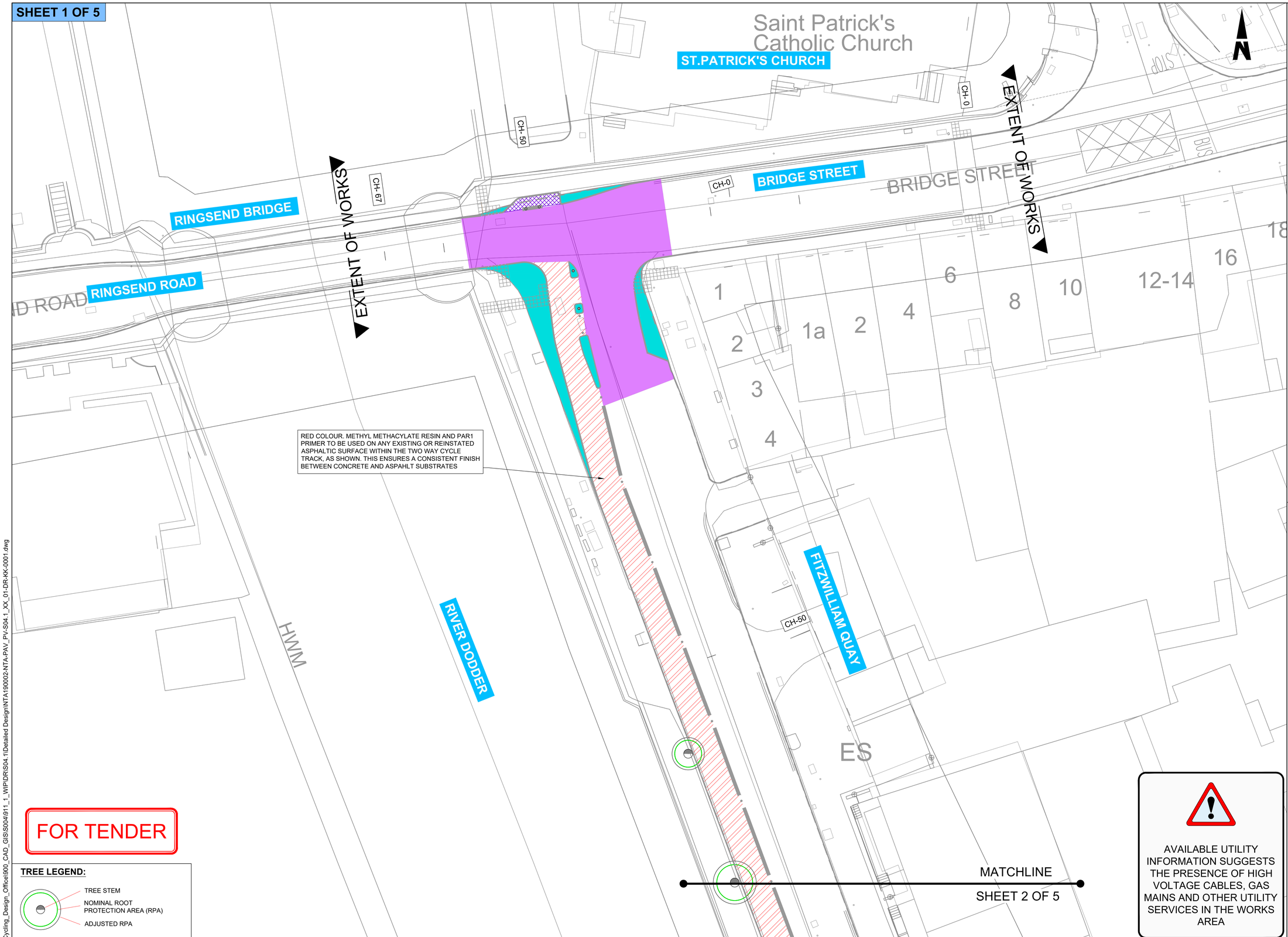
SHEET 1 OF 5



FOR TENDER

TREE LEGEND:

TREE STEM

NOMINAL ROOT PROTECTION AREA (RPA)

ADJUSTED RPA

AVAILABLE UTILITY INFORMATION SUGGESTS THE PRESENCE OF HIGH VOLTAGE CABLES, GAS MAINS AND OTHER UTILITY SERVICES IN THE WORKS AREA

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10. WHERE POSSIBLE ROAD SURFACE PAVEMENT JOINTS TO BE LAID IN LOCATION OF PROPOSED LANE MARKINGS.
11. BOND COAT TO BE APPLIED TO ALL SURFACES IN ACCORDANCE WITH CLAUSE 10.1.4 900 SERIES INCLUDING HBM LAYERS.
12. FOR DEPTHS OF PAVEMENT EXCAVATION GREATER THEN 100MM THE CONTRACTOR IS TO UNDERTAKE A LOCALISED GPR SURVEY TO IDENTIFY UTILITIES. IF ANY UTILITY IS IDENTIFIED THAT MAY IMPACT THE PROPOSED WORKS THIS IS TO BE DISCUSSED WITH THE EMPLOYERS REPRESENTATIVE AND DUBLIN CITY COUNCIL BEFORE WORKS BEGIN. GPR SURVEY AND ASSOCIATED REPORT IS TO BE CIRCULATED TO DUBLIN CITY.
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LEGEND:

- TYPE A - FLEXIBLE PAVEMENT CONSTRUCTION WITH STONE MASTIC ASPHALT SYSTEM. PLANE 50mm, LAY 50mm OF SMA 10 SURF PMB 65/100-60 DES SURFACE COURSE
- TYPE B - CONCRETE SURFACE TO BE REINSTATED WITH ASPHALT TO EXISTING CARRIAGEWAY LEVEL. BREAK OUT 70mm, LAY 20mm OF SMA 6 BIN 70/100 REGULATING, BOND COAT, LAY GEOGRID, LAY 50mm SMA 10 SURF PMB 65/100-60 DES SURFACE COURSE
- TYPE C - RED ASPHALT SURFACING SMA 6 SURF PMB 65/100-60 DES SURFACE COURSE, DEPTH 20MM AND APPLY BOND COAT
- TYPE D - POROUS ASPHALT CYCLE TRACK. SMA 6 SURF PMB 65/100-60 DES SURFACE COURSE, DEPTH 30MM OVER, BINDER COURSE, AC20 40/60, DEPTH 60MM, 30mm 2/14mm CHOKER COURSE, 250mm 4/20mm CRUSHED CLEAN COARSE GRADED AGGREGATE, PER BS 7533-13, CONTRACTOR TO ALLOW FOR GEOTEXTILE AS PER APPENDIX 6/5
- TYPE E - FLEXIBLE PAVEMENT CONSTRUCTION WITH STONE RED MASTIC ASPHALT SYSTEM. SMA 6 SURF PMB 65/100-60 DES SURFACE COURSE, DEPTH 25MM OVER, BINDER COURSE, AC20 40/60, DEPTH 60MM, OVER DENSE BASE AC32 40/60, DEPTH 250MM OVER SUBBASE, GRANULAR MATERIAL TYPE 808 (TII UGM AC), DEPTH 300MM. AS PER RM013, CONSTRUCTION STANDARDS FOR ROAD AND STREET WORKS IN DUBLIN CITY COUNCIL.
- PROPOSED SPEED RESTRICTION RAMP AS PER **NTA190002-NTA-SCD_ ZZ-S04.2_XX_ 00-DR-KK-0003'**
- PROPOSED FOOTPATH BUILDOUT OVER EXISTING CARRIAGEWAY
- PROPOSED CYCLE RAMP

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Client: Comhairle Cathrach Bhaile Átha Cliath / Dublin City Council

Engineering Designer: AECOM

Project Title: **FITZWILLIAM QUAY- LONDONBRIDGE STREET SECTION 1**

Drawing Title: PROPOSED PAVEMENTS WORKS

Date	Scale	Drawn	Checked	Approved
28.04.2025	1:200@A1 1:400@A1	RD	AP	EG

Project Code	Originator Code	QMS Code	Drawing File Name	Sheet Number	Status	Rev
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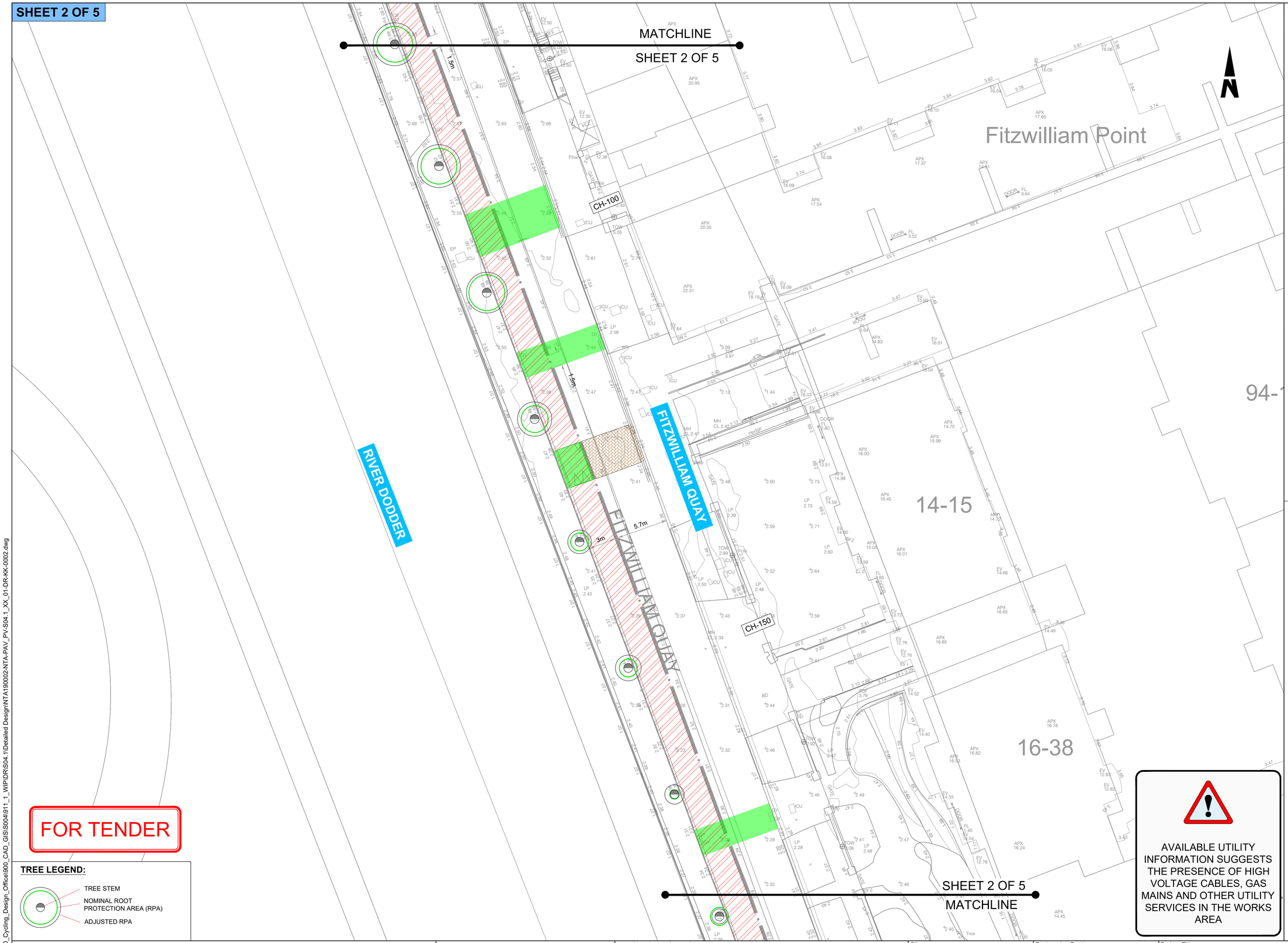
SHEET 2 OF 5



FOR TENDER

TREE LEGEND:

- TREE STEM
- NOMINAL ROOT PROTECTION AREA (RPA)
- ADJUSTED RPA

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AVAILABLE UTILITY INFORMATION SUGGESTS THE PRESENCE OF HIGH VOLTAGE CABLES, GAS MAINS AND OTHER UTILITY SERVICES IN THE WORKS AREA

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Project Code	Originator Code	QMS Code
NTA190002	NTA	S04.1

Project Title: **FITZWILLIAM QUAY- LONDONBRIDGE STREET SECTION 1**

Drawing Title: PROPOSED PAVEMENTS WORKS

Drawing File Name	Sheet Number	Status	Rev
NTA190002-NTA-PAV_PV-S04.1_XX_01-DR-KK-0002	2 of 5	E3	P04

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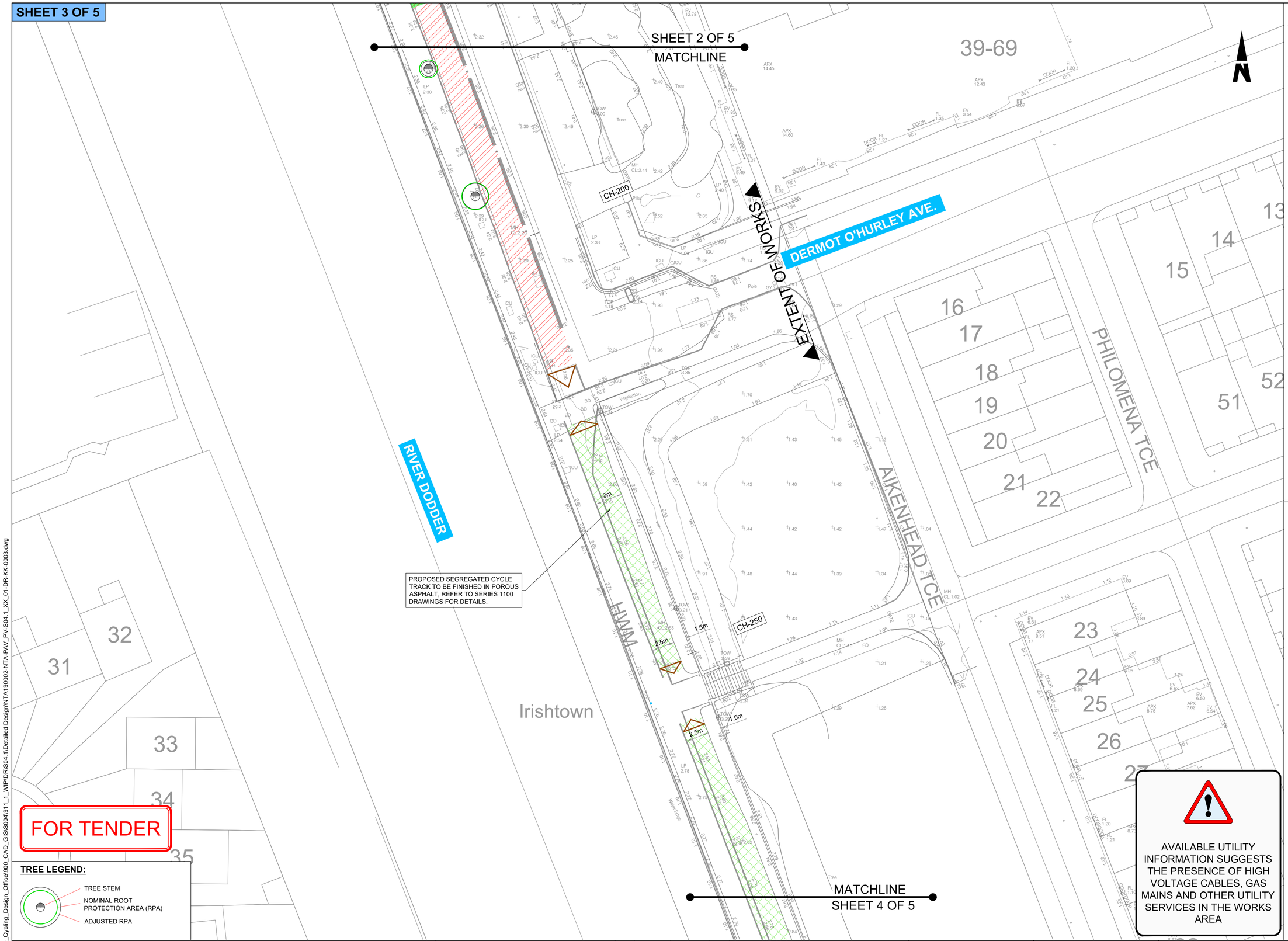

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TREE LEGEND:

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- NOMINAL ROOT PROTECTION AREA (RPA)
- ADJUSTED RPA

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P04	28.04.2025	RD	AP	EG	ISSUED FOR TENDER

Client: Comhairle Cathrach Bhaile Átha Cliath / Dublin City Council

Engineering Designer: AECOM

Project Title: **FITZWILLIAM QUAY- LONDONBRIDGE STREET SECTION 1**

Drawing Title: PROPOSED PAVEMENTS WORKS

Date	Scale	Drawn	Checked	Approved
28.04.2025	1:200@A1 1:400@A1	RD	AP	EG

Project Code	Originator Code	QMS Code	Drawing File Name	Sheet Number	Status	Rev
NTA190002	NTA	S04.1	NTA190002-NTA-PAV_PV-S04.1_XX_01-DR-KK-0003	3 of 5	E3	P04

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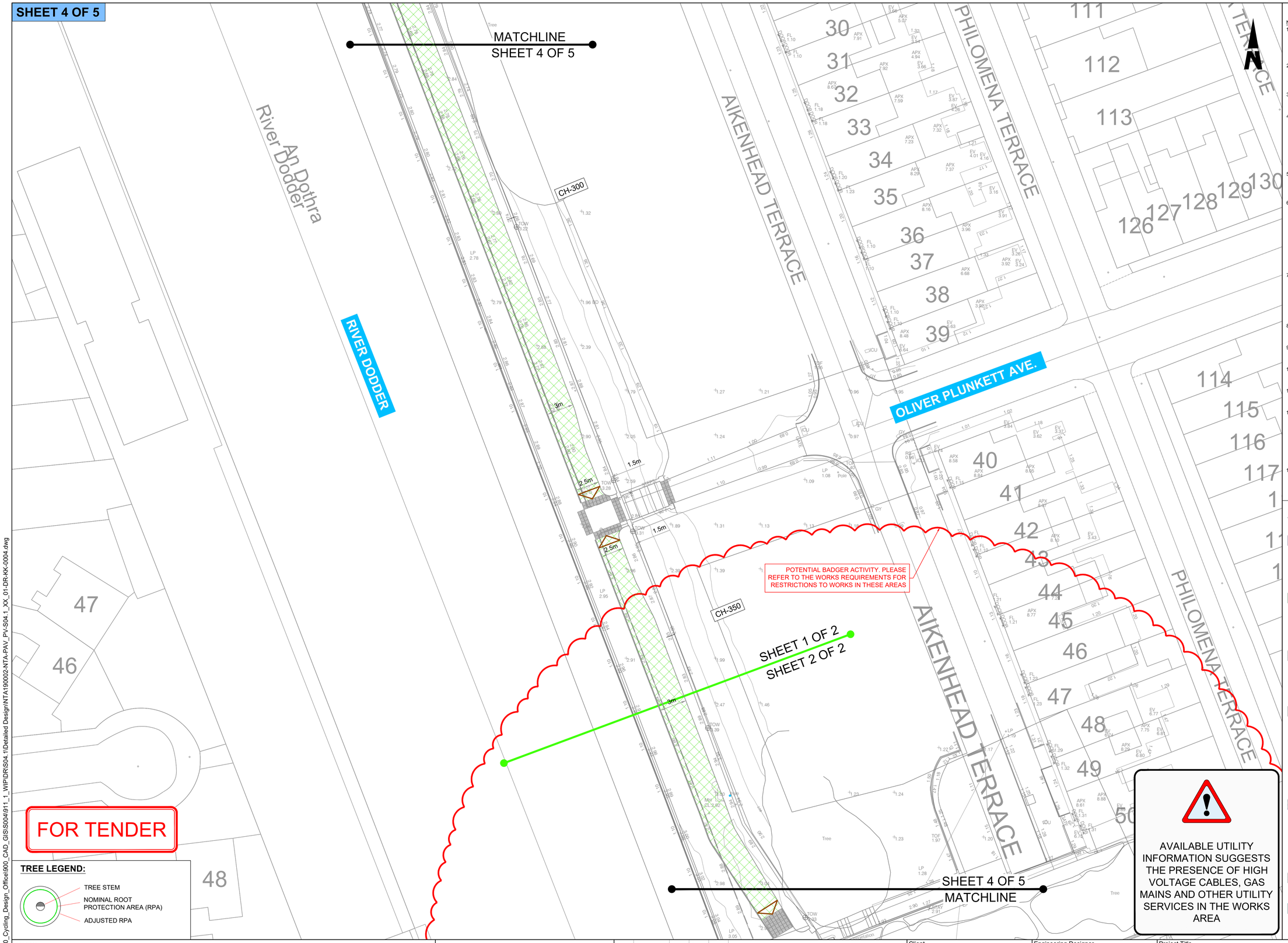

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5. ALL PROPOSED WORKS TO COMPLY WITH CONSTRUCTION STANDARDS FOR ROAD AND STREET WORKS IN DUBLIN CITY COUNCIL.
6. CONTRACTOR TO DEVELOP THEIR TEMPORARY TRAFFIC MANAGEMENT PLAN FOR THE WORKS IN AGREEMENT WITH THE REQUIREMENTS OF DUBLIN CITY COUNCIL. THE TEMPORARY TRAFFIC MANAGEMENT PLAN IS TO MAINTAIN EXISTING BUS ALIGNMENTS. EXISTING STOPS ALONG THE SCHEME SHOULD BE RETAINED, AND TEMPORARY STOPS BE PROVIDED WHERE THIS IS NOT POSSIBLE. THE CONTRACTOR IS TO PROVIDE A MINIMUM OF 3 WEEKS NOTICE TO DUBLIN BUS BEFORE ANY STOPS ARE IMPACTED ALONG THE SCHEME.
7. WHERE REFERENCE TO NRA HAS BEEN MADE, THE CONTRACTOR IS TO REFER TO THE TII SPECIFICATION FOR ROAD WORKS SERIES AND THE CONSTRUCTION STANDARDS FOR ROAD AND STREET WORKS IN DUBLIN CITY COUNCIL. PRIOR TO ANY WORKS THE CONTRACTOR MUST AGREE THE DETAIL PROPOSED WITH THE EMPLOYERS REPRESENTATIVE.
8. EXISTING CARRIAGEWAY TO BE SAWCUT AND ADJOINED WITH PROPOSED KERBLINE.
9. HOT APPLIED SEALANT TO CLAUSE 1017.2 AND 1017.3 TO BE APPLIED AT ROAD PAVEMENT/KERB/CHANNEL INTERFACE.
10. WHERE POSSIBLE ROAD SURFACE PAVEMENT JOINTS TO BE LAID IN LOCATION OF PROPOSED LANE MARKINGS.
11. BOND COAT TO BE APPLIED TO ALL SURFACES IN ACCORDANCE WITH CLAUSE 10.1.4 900 SERIES INCLUDING HBM LAYERS.
12. FOR DEPTHS OF PAVEMENT EXCAVATION GREATER THEN 100MM THE CONTRACTOR IS TO UNDERTAKE A LOCALISED GPR SURVEY TO IDENTIFY UTILITIES. IF ANY UTILITY IS IDENTIFIED THAT MAY IMPACT THE PROPOSED WORKS THIS IS TO BE DISCUSSED WITH THE EMPLOYERS REPRESENTATIVE AND DUBLIN CITY COUNCIL BEFORE WORKS BEGIN. GPR SURVEY AND ASSOCIATED REPORT IS TO BE CIRCULATED TO DUBLIN CITY.
13. ALL PLANED AREAS MUST BE RESURFACED TO FINISHED ROAD LEVEL ON THE SAME DAY. PLANED AREAS MUST UNDER NO CIRCUMSTANCES BE OPENED TO LIVE TRAFFIC.

LEGEND:

- TYPE A - FLEXIBLE PAVEMENT CONSTRUCTION WITH STONE MASTIC ASPHALT SYSTEM. PLANE 50mm, LAY 50mm OF SMA 10 SURF PMB 65/100-60 DES SURFACE COURSE
- TYPE B - CONCRETE SURFACE TO BE REINSTATED WITH ASPHALT TO EXISTING CARRIAGEWAY LEVEL. BREAK OUT 70mm, LAY 20mm OF SMA 6 BIN 70/100 REGULATING, BOND COAT, LAY GEOGRID, LAY 50mm SMA 10 SURF PMB 65/100-60 DES SURFACE COURSE
- TYPE C - RED ASPHALT SURFACING SMA 6 SURF PMB 65/100-60 DES SURFACE COURSE, DEPTH 20MM AND APPLY BOND COAT
- TYPE D - POROUS ASPHALT CYCLE TRACK. SMA 6 SURF PMB 65/100-60 DES SURFACE COURSE, DEPTH 30MM OVER, BINDER COURSE, AC20 40/60, DEPTH 60MM, 30mm 2/14mm CHOKER COURSE, 250mm 4/20mm CRUSHED CLEAN COARSE GRADED AGGREGATE, PER BS 7533-13, CONTRACTOR TO ALLOW FOR GEOTEXTILE AS PER APPENDIX 6/5
- TYPE E - FLEXIBLE PAVEMENT CONSTRUCTION WITH STONE RED MASTIC ASPHALT SYSTEM. SMA 6 SURF PMB 65/100-60 DES SURFACE COURSE, DEPTH 25MM OVER, BINDER COURSE, AC20 40/60, DEPTH 60MM, OVER DENSE BASE AC32 40/60, DEPTH 250MM OVER SUBBASE, GRANULAR MATERIAL TYPE 808 (TII UGM AC), DEPTH 300MM. AS PER RM013, CONSTRUCTION STANDARDS FOR ROAD AND STREET WORKS IN DUBLIN CITY COUNCIL.
- PROPOSED SPEED RESTRICTION RAMP AS PER **NTA190002-NTA-SCD_ ZZ-S04.2_XX_ 00-DR-KK-0003'**
- PROPOSED FOOTPATH BUILDOUT OVER EXISTING CARRIAGEWAY
- PROPOSED CYCLE RAMP

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Project Code	Originator Code	QMS Code
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Project Title: **FITZWILLIAM QUAY- LONDONBRIDGE STREET SECTION 1**

Drawing Title: PROPOSED PAVEMENTS WORKS

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NTA190002-NTA-PAV_PV-S04.1_XX_01-DR-KK-0004	4 of 5	E3	P04

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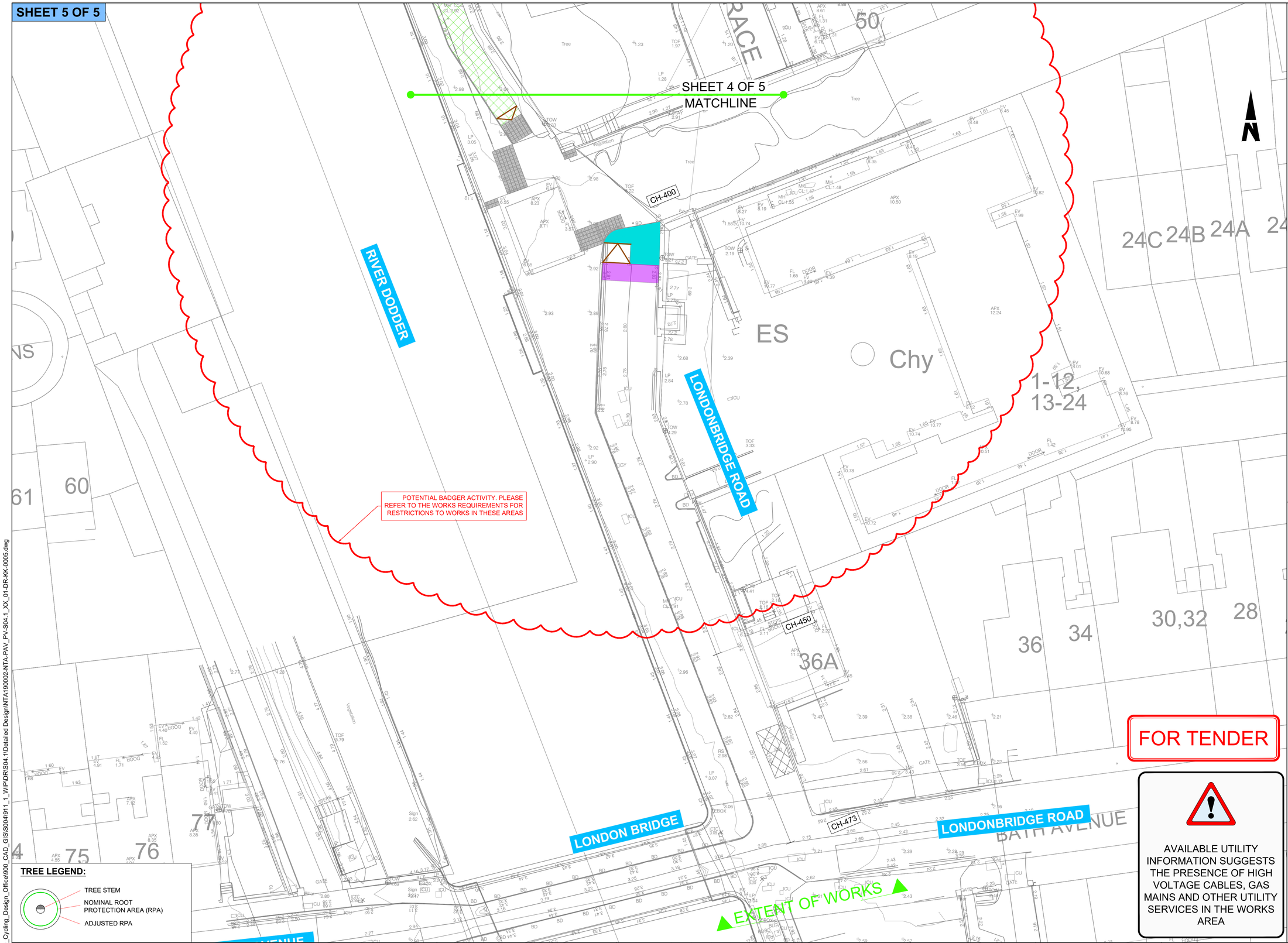

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- PROPOSED CYCLE RAMP

FOR TENDER

AVAILABLE UTILITY INFORMATION SUGGESTS THE PRESENCE OF HIGH VOLTAGE CABLES, GAS MAINS AND OTHER UTILITY SERVICES IN THE WORKS AREA

TREE LEGEND:

- TREE STEM
- NOMINAL ROOT PROTECTION AREA (RPA)
- ADJUSTED RPA

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Client: Comhairle Cathrach Bhaile Átha Cliath — Dublin City Council

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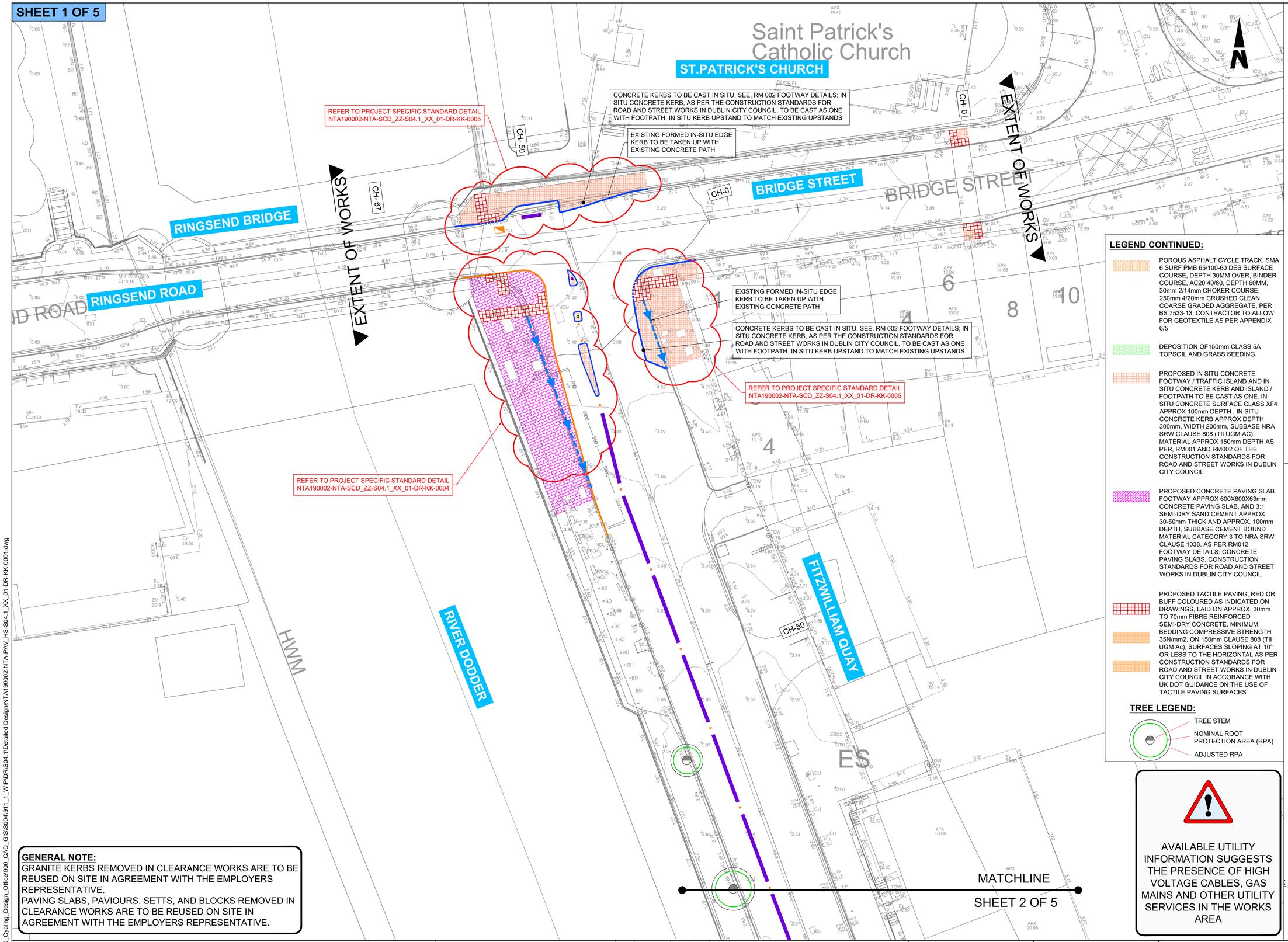

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10. HOT APPLIED SEALANT TO CLAUSE 1017.2 AND 1017.3 TO BE APPLIED AT ROAD PAVEMENT/KERB/CHANNEL INTERFACE.
11. PRIOR TO ANY WORKS ON HISTORIC PAVERS OR KERBS CATALOGUING AND TRAINING IS TO BE CARRIED OUT BY THE CONTRACTOR AS DIRECTED BY THE EMPLOYERS REPRESENTATIVE IN ACCORDANCE WITH THE WORKS REQUIREMENTS.

LEGEND CONTINUED:

- POROUS ASPHALT CYCLE TRACK. SMA 6 SURF PMB 65/100-60 DES SURFACE COURSE, DEPTH 30MM OVER, BINDER COURSE, AC20 40/60, DEPTH 60MM, 30mm 2/14mm CHOKER COURSE, 250mm 4/20mm CRUSHED CLEAN COARSE GRADED AGGREGATE, PER BS 7533-13, CONTRACTOR TO ALLOW FOR GEOTEXTILE AS PER APPENDIX 6/5
- DEPOSITION OF150mm CLASS 5A TOPSOIL AND GRASS SEEDING
- PROPOSED IN SITU CONCRETE FOOTWAY / TRAFFIC ISLAND AND IN SITU CONCRETE KERB AND ISLAND / FOOTPATH TO BE CAST AS ONE. IN SITU CONCRETE SURFACE CLASS XF4 APPROX 100mm DEPTH , IN SITU CONCRETE KERB APPROX DEPTH 300mm, WIDTH 200mm, SUBBASE NRA SRW CLAUSE 808 (TII UGM AC) MATERIAL APPROX 150mm DEPTH AS PER, RM001 AND RM002 OF THE CONSTRUCTION STANDARDS FOR ROAD AND STREET WORKS IN DUBLIN CITY COUNCIL
- PROPOSED CONCRETE PAVING SLAB FOOTWAY APPROX 600X600X63mm CONCRETE PAVING SLAB, AND 3:1 SEMI-DRY SAND:CEMENT APPROX 30-50mm THICK AND APPROX. 100mm DEPTH, SUBBASE CEMENT BOUND MATERIAL CATEGORY 3 TO NRA SRW CLAUSE 1038. AS PER RM012 FOOTWAY DETAILS: CONCRETE PAVING SLABS, CONSTRUCTION STANDARDS FOR ROAD AND STREET WORKS IN DUBLIN CITY COUNCIL
- PROPOSED TACTILE PAVING, RED OR BUFF COLOURED AS INDICATED ON DRAWINGS, LAID ON APPROX. 30mm TO 70mm FIBRE REINFORCED SEMI-DRY CONCRETE, MINIMUM BEDDING COMPRESSIVE STRENGTH 35N/mm2, ON 150mm CLAUSE 808 (TII UGM Ac), SURFACES SLOPING AT 10° OR LESS TO THE HORIZONTAL AS PER CONSTRUCTION STANDARDS FOR ROAD AND STREET WORKS IN DUBLIN CITY COUNCIL IN ACCORANCE WITH UK DOT GUIDANCE ON THE USE OF TACTILE PAVING SURFACES

TREE LEGEND:

- TREE STEM
- NOMINAL ROOT PROTECTION AREA (RPA)
- ADJUSTED RPA

LEGEND:

- PROPOSED EXTRUDED CONCRETE SEGREGATION KERB
- PROPOSED IN-SITU CONCRETE KERB
- PROPOSED IN-SITU CONCRETE DROPPED TRANSITION KERB
- PROPOSED EDGING KERB AS PER
- PROPOSED EXTRUDED 30 DEGREE SPLAY KERB WITH 60mm UPSTAND
- PROPOSED GRANITE KERB, INTEGRATION OF NEW KERBS TO BE AGREED WITH DCC ON SITE.
- PROPOSED GRANITE DROP KERB, INTEGRATION OF NEW GRANITE DROP KERBS TO BE AFREED WITH DCC ON SITE.
- CYCLE RAMP MINIMUM 25mm OF 10mm DWC LAID ON 50mm OF 20mm DBM BS4987
- CYCLE RAMP TO BE FORMED WITHIN POROUS ASPHALT CYCLE TRACK
- PROPOSED PRECAST DRAINAGE CHANNEL TO BE PROVIDED AS PER **'NTA190002-NTA-SCD_ZZ-S04.1_XX_00-DR-KK-0003'**
- PROPOSED TYPE A BOLLARD, AS PER **'NTA190002-NTA-SCD_ZZ-S04.1_XX_00-DR-KK-0001'**
- PROPOSED TYPE B BOLLARD, AS PER **'NTA190002-NTA-SCD_ZZ-S04.1_XX_00-DR-KK-0001'**
- PROPOSED TYPE C BOLLARD, AS PER **'NTA190002-NTA-SCD_ZZ-S04.1_XX_00-DR-KK-0001'**

AVAILABLE UTILITY INFORMATION SUGGESTS THE PRESENCE OF HIGH VOLTAGE CABLES, GAS MAINS AND OTHER UTILITY SERVICES IN THE WORKS AREA

GENERAL NOTE:
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Client: Comhairle Cathrach Bhaile Átha Cliath — Dublin City Council
Engineering Designer: AECOM

Date	Scale	Drawn	Checked	Approved
28.04.2025	1:200@A1 1:400@A3	RD	AP	EG

Project Code	Originator Code	QMS Code
NTA190002	NTA	S04.1

Project Title: **FITZWILLIAM QUAY- LONDONBRIDGE STREET SECTION 1**

Drawing Title: PROPOSED KERBS, FOOTWAYS AND PAVED AREAS

Drawing File Name	Sheet Number	Status	Rev
NTA190002-NTA-PAV_HS-S04.1_XX_01-DR-KK-0001	1 of 5	E3	P04

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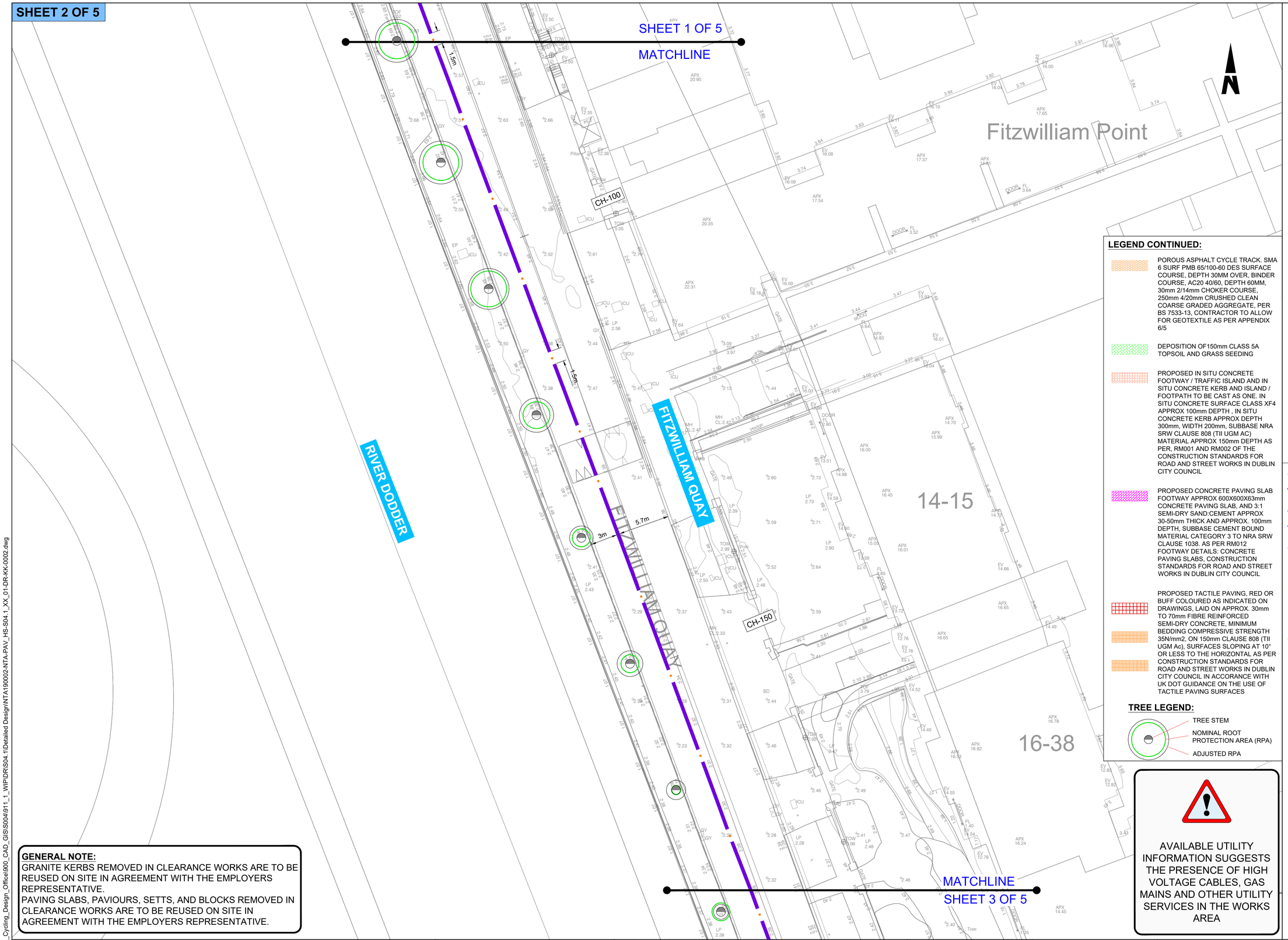

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LEGEND CONTINUED:

- POROUS ASPHALT CYCLE TRACK. SMA 6 SURF PMB 65/100-60 DES SURFACE COURSE, DEPTH 30MM OVER, BINDER COURSE, AC20 40/60, DEPTH 60MM, 30mm 2/14mm CHOKER COURSE, 250mm 4/20mm CRUSHED CLEAN COARSE GRADED AGGREGATE, PER BS 7533-13, CONTRACTOR TO ALLOW FOR GEOTEXTILE AS PER APPENDIX 6/5
- DEPOSITION OF150mm CLASS 5A TOPSOIL AND GRASS SEEDING
- PROPOSED IN SITU CONCRETE FOOTWAY / TRAFFIC ISLAND AND IN SITU CONCRETE KERB AND ISLAND / FOOTPATH TO BE CAST AS ONE. IN SITU CONCRETE SURFACE CLASS XF4 APPROX 100mm DEPTH , IN SITU CONCRETE KERB APPROX DEPTH 300mm, WIDTH 200mm, SUBBASE NRA SRW CLAUSE 808 (TII UGM AC) MATERIAL APPROX 150mm DEPTH AS PER, RM001 AND RM002 OF THE CONSTRUCTION STANDARDS FOR ROAD AND STREET WORKS IN DUBLIN CITY COUNCIL
- PROPOSED CONCRETE PAVING SLAB FOOTWAY APPROX 600X600X63mm CONCRETE PAVING SLAB, AND 3:1 SEMI-DRY SAND:CEMENT APPROX 30-50mm THICK AND APPROX. 100mm DEPTH, SUBBASE CEMENT BOUND MATERIAL CATEGORY 3 TO NRA SRW CLAUSE 1038. AS PER RM012 FOOTWAY DETAILS: CONCRETE PAVING SLABS, CONSTRUCTION STANDARDS FOR ROAD AND STREET WORKS IN DUBLIN CITY COUNCIL
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TREE LEGEND:

- TREE STEM
- NOMINAL ROOT PROTECTION AREA (RPA)
- ADJUSTED RPA

LEGEND:

- PROPOSED EXTRUDED CONCRETE SEGREGATION KERB
- PROPOSED IN-SITU CONCRETE KERB
- PROPOSED IN-SITU CONCRETE DROPPED TRANSITION KERB
- PROPOSED EDGING KERB AS PER
- PROPOSED EXTRUDED 30 DEGREE SPLAY KERB WITH 60mm UPSTAND
- PROPOSED GRANITE KERB, INTEGRATION OF NEW KERBS TO BE AGREED WITH DCC ON SITE.
- PROPOSED GRANITE DROP KERB, INTEGRATION OF NEW GRANITE DROP KERBS TO BE AFREED WITH DCC ON SITE.
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AVAILABLE UTILITY INFORMATION SUGGESTS THE PRESENCE OF HIGH VOLTAGE CABLES, GAS MAINS AND OTHER UTILITY SERVICES IN THE WORKS AREA

FOR TENDER

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Engineering Designer: AECOM

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Drawing Title: PROPOSED KERBS, FOOTWAYS AND PAVED AREAS

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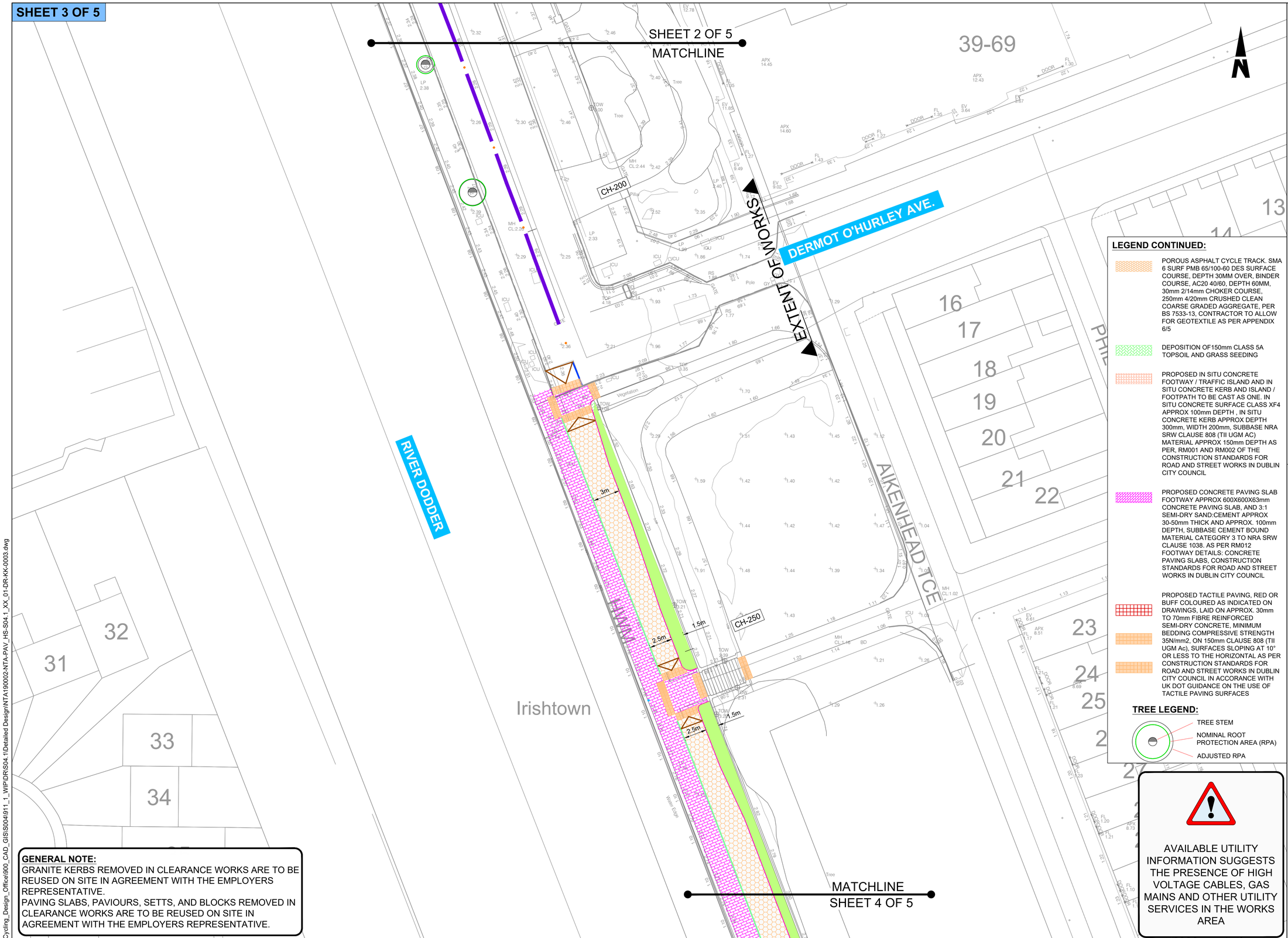

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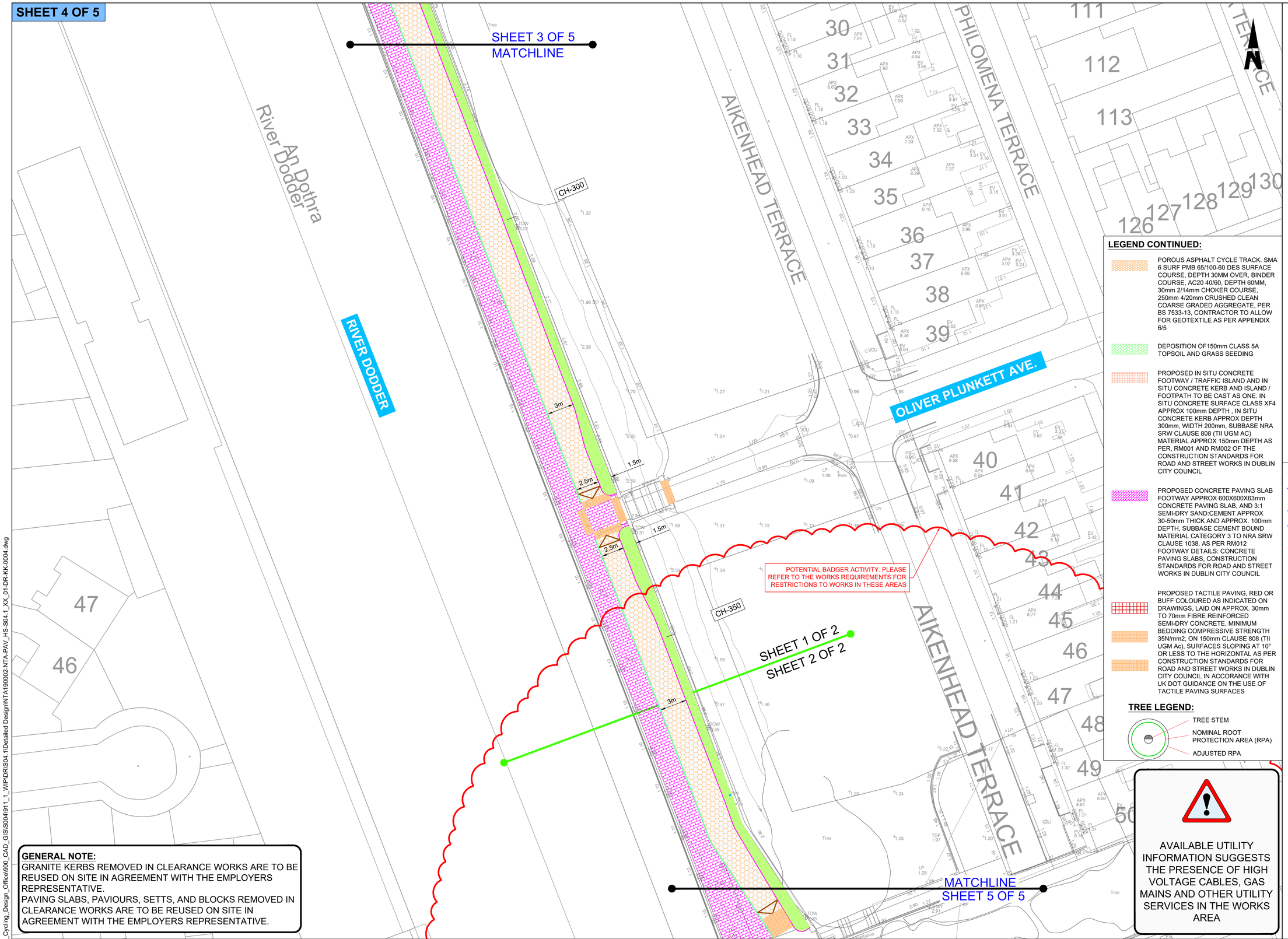

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- PROPOSED IN SITU CONCRETE FOOTWAY / TRAFFIC ISLAND AND IN SITU CONCRETE KERB AND ISLAND / FOOTPATH TO BE CAST AS ONE. IN SITU CONCRETE SURFACE CLASS XF4 APPROX 100mm DEPTH , IN SITU CONCRETE KERB APPROX DEPTH 300mm, WIDTH 200mm, SUBBASE NRA SRW CLAUSE 808 (TII UGM AC) MATERIAL APPROX 150mm DEPTH AS PER, RM001 AND RM002 OF THE CONSTRUCTION STANDARDS FOR ROAD AND STREET WORKS IN DUBLIN CITY COUNCIL
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- PROPOSED TACTILE PAVING, RED OR BUFF COLOURED AS INDICATED ON DRAWINGS, LAID ON APPROX. 30mm TO 70mm FIBRE REINFORCED SEMI-DRY CONCRETE, MINIMUM BEDDING COMPRESSIVE STRENGTH 35N/mm2, ON 150mm CLAUSE 808 (TII UGM Ac), SURFACES SLOPING AT 10° OR LESS TO THE HORIZONTAL AS PER CONSTRUCTION STANDARDS FOR ROAD AND STREET WORKS IN DUBLIN CITY COUNCIL IN ACCORANCE WITH UK DOT GUIDANCE ON THE USE OF TACTILE PAVING SURFACES

TREE LEGEND:

- TREE STEM
- NOMINAL ROOT PROTECTION AREA (RPA)
- ADJUSTED RPA

AVAILABLE UTILITY INFORMATION SUGGESTS THE PRESENCE OF HIGH VOLTAGE CABLES, GAS MAINS AND OTHER UTILITY SERVICES IN THE WORKS AREA

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NTA — Údarás Náisiúnta Iompair — National Transport Authority

Rev	Date	Drn	Chk'd	App'd	Description
P01	21.09.2023	RD	AB	EG	ISSUED FOR TENDER REVIEW
P02	21.12.2023	GH	AB	EG	ISSUED FOR TENDER REVIEW
P03	12.01.2024	AK	AB	EG	ISSUED FOR TENDER

Client: Comhairle Cathrach Bhaile Átha Cliath — Dublin City Council
Engineering Designer: AECOM

Date	Scale	Drawn	Checked	Approved
12.01.2024	1:200@A1 1:400@A3	AK	AB	EG

Project Code	Originator Code	QMS Code
NTA190002	NTA	S04.1

Project Title: **FITZWILLIAM QUAY- LONDONBRIDGE STREET SECTION 1**

Drawing Title: PROPOSED KERBS, FOOTWAYS AND PAVED AREAS

Drawing File Name	Sheet Number	Status	Rev
NTA190002-NTA-PAV_HS-S04.1_XX_01-DR-KK-0004	4 of 5	E3	P03

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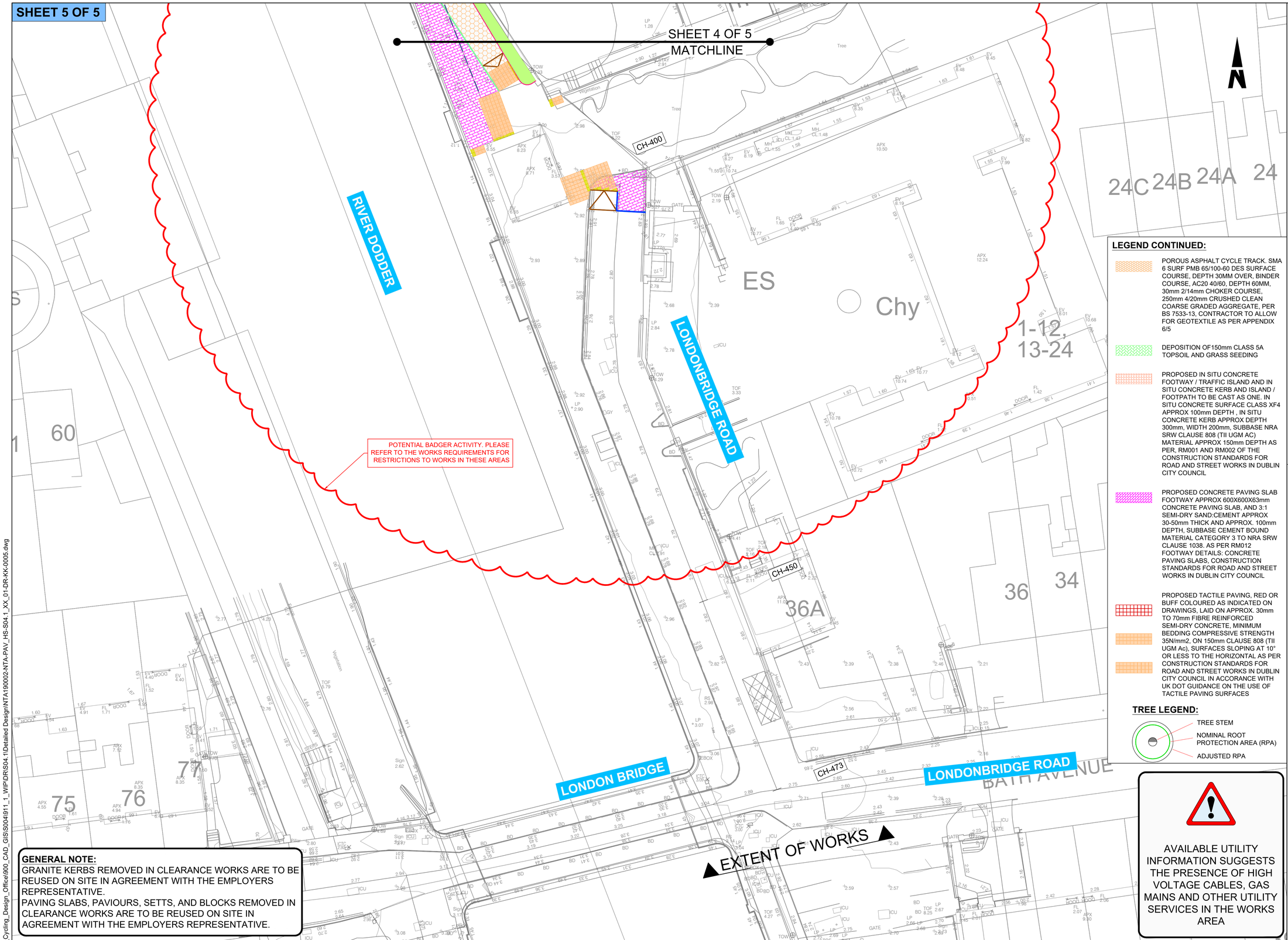

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8. ALL DIMENSIONS TO BE CHECKED BY THE CONTRACTOR ON SITE PRIOR TO COMMENCEMENT OF WORKS.
9. EXISTING CARRIAGEWAY TO BE SAWCUT AND ADJOINED WITH PROPOSED KERBLINE.
10. HOT APPLIED SEALANT TO CLAUSE 1017.2 AND 1017.3 TO BE APPLIED AT ROAD PAVEMENT/KERB/CHANNEL INTERFACE.
11. PRIOR TO ANY WORKS ON HISTORIC PAVERS OR KERBS CATALOGUING AND TRAINING IS TO BE CARRIED OUT BY THE CONTRACTOR AS DIRECTED BY THE EMPLOYERS REPRESENTATIVE IN ACCORDANCE WITH THE WORKS REQUIREMENTS.

LEGEND CONTINUED:

- POROUS ASPHALT CYCLE TRACK. SMA 6 SURF PMB 65/100-60 DES SURFACE COURSE, DEPTH 30MM OVER, BINDER COURSE, AC20 40/60, DEPTH 60MM, 30mm 2/14mm CHOKER COURSE, 250mm 4/20mm CRUSHED CLEAN COARSE GRADED AGGREGATE, PER BS 7533-13, CONTRACTOR TO ALLOW FOR GEOTEXTILE AS PER APPENDIX 6/5
- DEPOSITION OF150mm CLASS 5A TOPSOIL AND GRASS SEEDING
- PROPOSED IN SITU CONCRETE FOOTWAY / TRAFFIC ISLAND AND IN SITU CONCRETE KERB AND ISLAND / FOOTPATH TO BE CAST AS ONE. IN SITU CONCRETE SURFACE CLASS XF4 APPROX 100mm DEPTH , IN SITU CONCRETE KERB APPROX DEPTH 300mm, WIDTH 200mm, SUBBASE NRA SRW CLAUSE 808 (TII UGM AC) MATERIAL APPROX 150mm DEPTH AS PER, RM001 AND RM002 OF THE CONSTRUCTION STANDARDS FOR ROAD AND STREET WORKS IN DUBLIN CITY COUNCIL
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TREE LEGEND:

- TREE STEM
- NOMINAL ROOT PROTECTION AREA (RPA)
- ADJUSTED RPA

LEGEND:

- PROPOSED EXTRUDED CONCRETE SEGREGATION KERB
- PROPOSED IN-SITU CONCRETE KERB
- PROPOSED IN-SITU CONCRETE DROPPED TRANSITION KERB
- PROPOSED EDGING KERB AS PER
- PROPOSED EXTRUDED 30 DEGREE SPLAY KERB WITH 60mm UPSTAND
- PROPOSED GRANITE KERB, INTEGRATION OF NEW KERBS TO BE AGREED WITH DCC ON SITE.
- PROPOSED GRANITE DROP KERB, INTEGRATION OF NEW GRANITE DROP KERBS TO BE AFREED WITH DCC ON SITE.
- CYCLE RAMP MINIMUM 25mm OF 10mm DWC LAID ON 50mm OF 20mm DBM BS4987
- CYCLE RAMP TO BE FORMED WITHIN POROUS ASPHALT CYCLE TRACK
- PROPOSED PRECAST DRAINAGE CHANNEL TO BE PROVIDED AS PER **'NTA190002-NTA-SCD_ZZ-S04.1_XX_00-DR-KK-0003'**
- PROPOSED TYPE A BOLLARD, AS PER **'NTA190002-NTA-SCD_ZZ-S04.1_XX_00-DR-KK-0001'**
- PROPOSED TYPE B BOLLARD, AS PER **'NTA190002-NTA-SCD_ZZ-S04.1_XX_00-DR-KK-0001'**
- PROPOSED TYPE C BOLLARD, AS PER **'NTA190002-NTA-SCD_ZZ-S04.1_XX_00-DR-KK-0001'**

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P03	12.01.2024	AK	AB	EG	ISSUED FOR TENDER

Client: Comhairle Cathrach Bhaile Átha Cliath — Dublin City Council

Engineering Designer: AECOM

Project Title: **FITZWILLIAM QUAY- LONDONBRIDGE STREET SECTION 1**

Drawing Title: PROPOSED KERBS, FOOTWAYS AND PAVED AREAS

Date	Scale	Drawn	Checked	Approved
12.01.2024	1:200@A1 1:400@A3	AK	AB	EG

Project Code	Originator Code	QMS Code	Drawing File Name	Sheet Number	Status	Rev
NTA190002	NTA	S04.1	NTA190002-NTA-PAV_HS-S04.1_XX_01-DR-KK-0005	5 of 5	E3	P03

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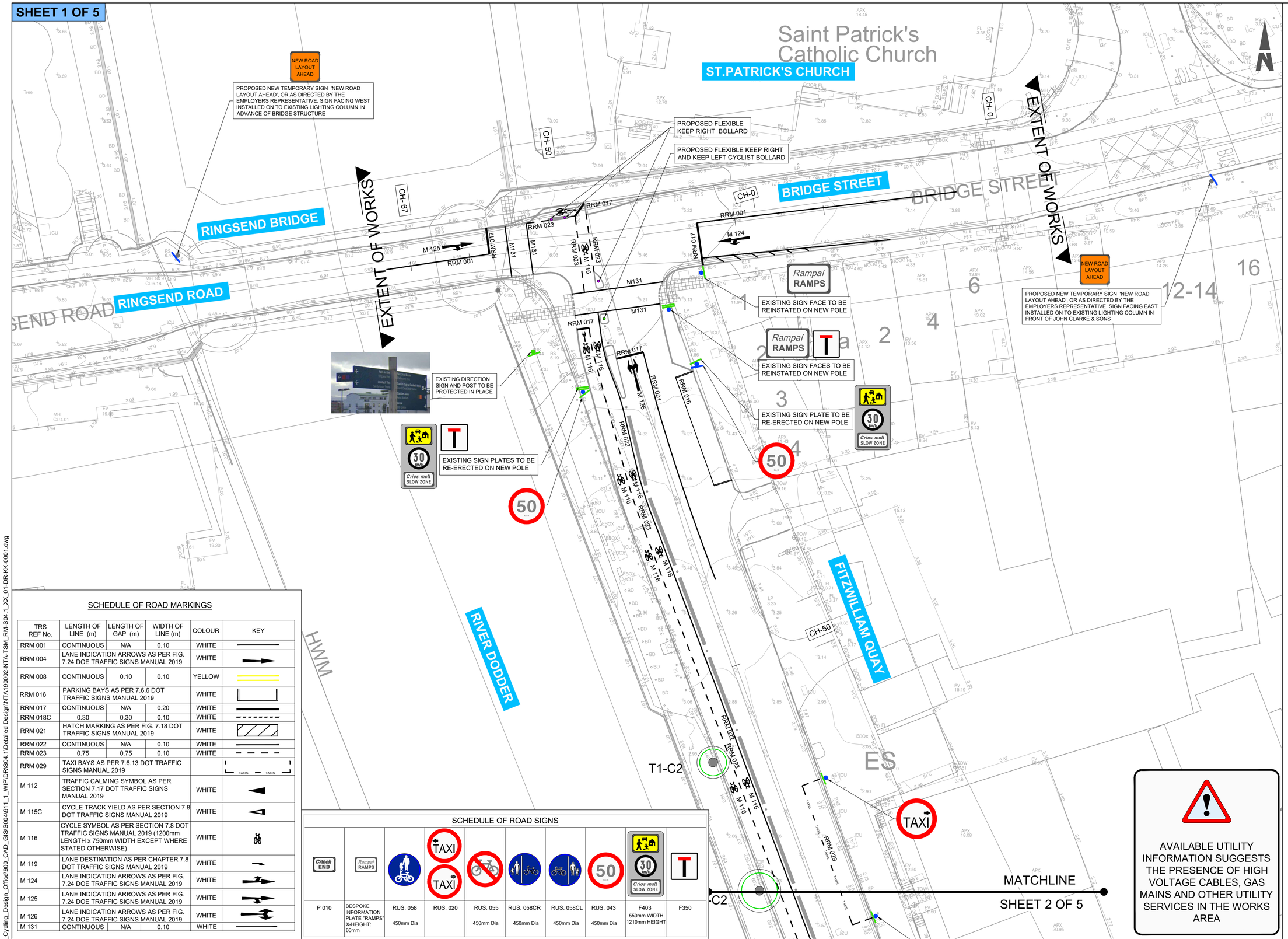
SHEET 1 OF 5



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8. SETTING OUT DETAILS TO BE AGREED WITH ENGINEER ON SITE.
9. ALL ROAD MARKINGS & SIGNAGE TO BE IN ACCORDANCE WITH TRAFFIC SIGNS MANUAL (T.S.M.). T.S.M REFERS TO THE "TRAFFIC SIGNS MANUAL" PRODUCED BY THE DEPARTMENT OF TRANSPORT 2019.
10. ALL SIGNS TO BE INSTALLED ON A CRANKED POLE TO THE BACK OF FOOTPATH UNLESS OTHERWISE AGREED WITH ENGINEERS REPRESENTATIVE.
11. TRAFFIC SIGNS TO BE INSTALLED IN SUCH A WAY AS TO ENSURE A LATERAL CLEARANCE OF 0.45M DISTANCE FROM THE OUTSIDE EDGE OF THE SIGN FACE TO THE ROADSIDE KERB.
12. ALL TRAFFIC SIGNS TO BE MOUNTED ON POLES TO ENSURE A MINIMUM HEAD CLEARANCE OF 2.5M UNLESS SPECIFIED OTHERWISE.
13. ALL ROAD WORKS INCLUDING ROAD MARKINGS AND SIGNS ARE TO BE REVIEWED ON SITE BY THE LOCAL AUTHORITY DEPARTMENTS PRIOR TO COMPLETION

LEGEND:

- PROPOSED NEW ROAD SIGN POST, NEW RETENTION SOCKET SYSTEM FOUNDATION, AND NEW SIGN FACE
- PROPOSED NEW SIGN FACE TO BE INSTALLED ON EXISTING LIGHTING COLUMN
- PROPOSED NEW ROAD SIGN POST, NEW RETENTION SOCKET SYSTEM FOUNDATION, AND RELOCATED SIGN FACE
- EXISTING SIGN POST AND SIGN PLATE TO BE TAKEN DOWN AND LATER REINSTATED
- PROPOSED FLEXIBLE KEEP RIGHT AND KEEP LEFT CYCLIST BOLLARD
- PROPOSED FLEXIBLE KEEP RIGHT BOLLARD

TREE LEGEND:

- TREE STEM
- NOMINAL ROOT PROTECTION AREA (RPA)
- ADJUSTED RPA

AVAILABLE UTILITY INFORMATION SUGGESTS THE PRESENCE OF HIGH VOLTAGE CABLES, GAS MAINS AND OTHER UTILITY SERVICES IN THE WORKS AREA

FOR TENDER

SCHEDULE OF ROAD MARKINGS

TRS REF No.	LENGTH OF LINE (m)	LENGTH OF GAP (m)	WIDTH OF LINE (m)	COLOUR	KEY
RRM 001	CONTINUOUS	N/A	0.10	WHITE	
RRM 004	LANE INDICATION ARROWS AS PER FIG. 7.24 DOE TRAFFIC SIGNS MANUAL 2019			WHITE	
RRM 008	CONTINUOUS	0.10	0.10	YELLOW	
RRM 016	PARKING BAYS AS PER 7.6.6 DOT TRAFFIC SIGNS MANUAL 2019			WHITE	
RRM 017	CONTINUOUS	N/A	0.20	WHITE	
RRM 018C	0.30	0.30	0.10	WHITE	
RRM 021	HATCH MARKING AS PER FIG. 7.18 DOT TRAFFIC SIGNS MANUAL 2019			WHITE	
RRM 022	CONTINUOUS	N/A	0.10	WHITE	
RRM 023	0.75	0.75	0.10	WHITE	
RRM 029	TAXI BAYS AS PER 7.6.13 DOT TRAFFIC SIGNS MANUAL 2019				TAXIS TAXIS
M 112	TRAFFIC CALMING SYMBOL AS PER SECTION 7.17 DOT TRAFFIC SIGNS MANUAL 2019			WHITE	
M 115C	CYCLE TRACK YIELD AS PER SECTION 7.8 DOT TRAFFIC SIGNS MANUAL 2019			WHITE	
M 116	CYCLE SYMBOL AS PER SECTION 7.8 DOT TRAFFIC SIGNS MANUAL 2019 (1200mm LENGTH x 750mm WIDTH EXCEPT WHERE STATED OTHERWISE)			WHITE	
M 119	LANE DESTINATION AS PER CHAPTER 7.8 DOT TRAFFIC SIGNS MANUAL 2019			WHITE	
M 124	LANE INDICATION ARROWS AS PER FIG. 7.24 DOE TRAFFIC SIGNS MANUAL 2019			WHITE	
M 125	LANE INDICATION ARROWS AS PER FIG. 7.24 DOE TRAFFIC SIGNS MANUAL 2019			WHITE	
M 126	LANE INDICATION ARROWS AS PER FIG. 7.24 DOE TRAFFIC SIGNS MANUAL 2019			WHITE	
M 131	CONTINUOUS	N/A	0.10	WHITE	

SCHEDULE OF ROAD SIGNS

Críoch END	Rampai RAMPS		TAXI TAXI				50	30 km/h Crios mall SLOW ZONE	T
P 010	BESPOKE INFORMATION PLATE "RAMPS" X-HEIGHT: 60mm	RUS. 058 450mm Dia	RUS. 020	RUS. 055 450mm Dia	RUS. 058CR 450mm Dia	RUS. 058CL 450mm Dia	RUS. 043 450mm Dia	F403 550mm WIDTH 1210mm HEIGHT	F350

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P03	12.01.2024	AK	AB	EG	ISSUED FOR TENDER
P04	01.05.2025	RD	AP	EG	ISSUED FOR TENDER

Client: Comhairle Cathrach Bhaile Átha Cliath / Dublin City Council

Engineering Designer: AECOM

Project Title: **FITZWILLIAM QUAY- LONDONBRIDGE STREET SECTION 1**

Drawing Title: PROPOSED TRAFFIC SIGNS AND ROAD MARKINGS

Date	Scale	Drawn	Checked	Approved
01.05.2025	1:200@A1 1:400@A3	RD	AP	EG

Project Code	Originator Code	QMS Code	Drawing File Name	Sheet Number	Status	Rev
NTA190002	NTA	S04.1	NTA190002-NTA-TSM_RM-S04.1_XX_01-DR-KK-0001	1 of 5	E3	P04

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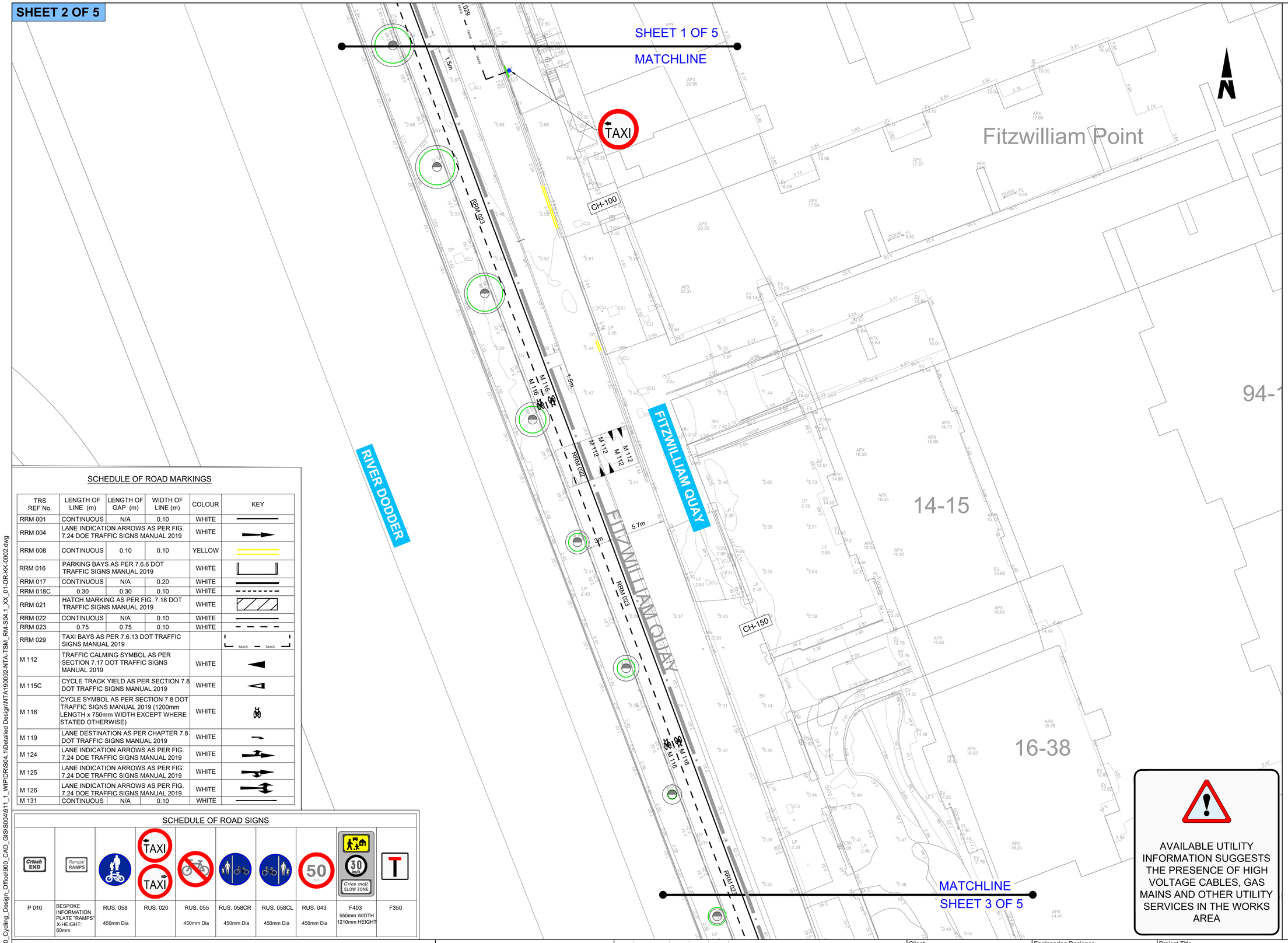
SHEET 2 OF 5



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12. ALL TRAFFIC SIGNS TO BE MOUNTED ON POLES TO ENSURE A MINIMUM HEAD CLEARANCE OF 2.5M UNLESS SPECIFIED OTHERWISE.
13. ALL ROAD WORKS INCLUDING ROAD MARKINGS AND SIGNS ARE TO BE REVIEWED ON SITE BY THE LOCAL AUTHORITY DEPARTMENTS PRIOR TO COMPLETION

LEGEND:

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- PROPOSED NEW SIGN FACE TO BE INSTALLED ON EXISTING LIGHTING COLUMN
- PROPOSED NEW ROAD SIGN POST, NEW RETENTION SOCKET SYSTEM FOUNDATION, AND RELOCATED SIGN FACE
- EXISTING SIGN POST AND SIGN PLATE TO BE TAKEN DOWN AND LATER REINSTATED
- PROPOSED FLEXIBLE KEEP RIGHT AND KEEP LEFT CYCLIST BOLLARD
- PROPOSED FLEXIBLE KEEP RIGHT BOLLARD

TREE LEGEND:

- TREE STEM
- NOMINAL ROOT PROTECTION AREA (RPA)
- ADJUSTED RPA

AVAILABLE UTILITY INFORMATION SUGGESTS THE PRESENCE OF HIGH VOLTAGE CABLES, GAS MAINS AND OTHER UTILITY SERVICES IN THE WORKS AREA

FOR TENDER

SCHEDULE OF ROAD MARKINGS

TRS REF No.	LENGTH OF LINE (m)	LENGTH OF GAP (m)	WIDTH OF LINE (m)	COLOUR	KEY
RRM 001	CONTINUOUS	N/A	0.10	WHITE	
RRM 004	LANE INDICATION ARROWS AS PER FIG. 7.24 DOE TRAFFIC SIGNS MANUAL 2019			WHITE	
RRM 008	CONTINUOUS	0.10	0.10	YELLOW	
RRM 016	PARKING BAYS AS PER 7.6.6 DOT TRAFFIC SIGNS MANUAL 2019			WHITE	
RRM 017	CONTINUOUS	N/A	0.20	WHITE	
RRM 018C	0.30	0.30	0.10	WHITE	
RRM 021	HATCH MARKING AS PER FIG. 7.18 DOT TRAFFIC SIGNS MANUAL 2019			WHITE	
RRM 022	CONTINUOUS	N/A	0.10	WHITE	
RRM 023	0.75	0.75	0.10	WHITE	
RRM 029	TAXI BAYS AS PER 7.6.13 DOT TRAFFIC SIGNS MANUAL 2019				TAXIS TAXIS
M 112	TRAFFIC CALMING SYMBOL AS PER SECTION 7.17 DOT TRAFFIC SIGNS MANUAL 2019			WHITE	
M 115C	CYCLE TRACK YIELD AS PER SECTION 7.8 DOT TRAFFIC SIGNS MANUAL 2019			WHITE	
M 116	CYCLE SYMBOL AS PER SECTION 7.8 DOT TRAFFIC SIGNS MANUAL 2019 (1200mm LENGTH x 750mm WIDTH EXCEPT WHERE STATED OTHERWISE)			WHITE	
M 119	LANE DESTINATION AS PER CHAPTER 7.8 DOT TRAFFIC SIGNS MANUAL 2019			WHITE	
M 124	LANE INDICATION ARROWS AS PER FIG. 7.24 DOE TRAFFIC SIGNS MANUAL 2019			WHITE	
M 125	LANE INDICATION ARROWS AS PER FIG. 7.24 DOE TRAFFIC SIGNS MANUAL 2019			WHITE	
M 126	LANE INDICATION ARROWS AS PER FIG. 7.24 DOE TRAFFIC SIGNS MANUAL 2019			WHITE	
M 131	CONTINUOUS	N/A	0.10	WHITE	

SCHEDULE OF ROAD SIGNS

Críoch END	Rampaí RAMPS								
P 010	BESPOKE INFORMATION PLATE "RAMPS" X-HEIGHT: 60mm	RUS. 058 450mm Dia	RUS. 020	RUS. 055 450mm Dia	RUS. 058CR 450mm Dia	RUS. 058CL 450mm Dia	RUS. 043 450mm Dia	F403 550mm WIDTH 1210mm HEIGHT	F350

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NTA — Údarás Náisiúnta Iompair — National Transport Authority

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P03	12.01.2024	AK	AB	EG	ISSUED FOR TENDER
P04	01.05.2025	RD	AP	EG	ISSUED FOR TENDER

Client: Comhairle Cathrach Bhaile Átha Cliath / Dublin City Council

Engineering Designer: AECOM

Project Title: **FITZWILLIAM QUAY- LONDONBRIDGE STREET SECTION 1**

Drawing Title: PROPOSED TRAFFIC SIGNS AND ROAD MARKINGS

Date	Scale	Drawn	Checked	Approved
01.05.2025	1:200@A1 1:400@A3	RD	AP	EG

Project Code	Originator Code	QMS Code	Drawing File Name	Sheet Number	Status	Rev
NTA190002	NTA	S04.1	NTA190002-NTA-TSM_RM-S04.1_XX_01-DR-KK-0002	2 of 5	E3	P04

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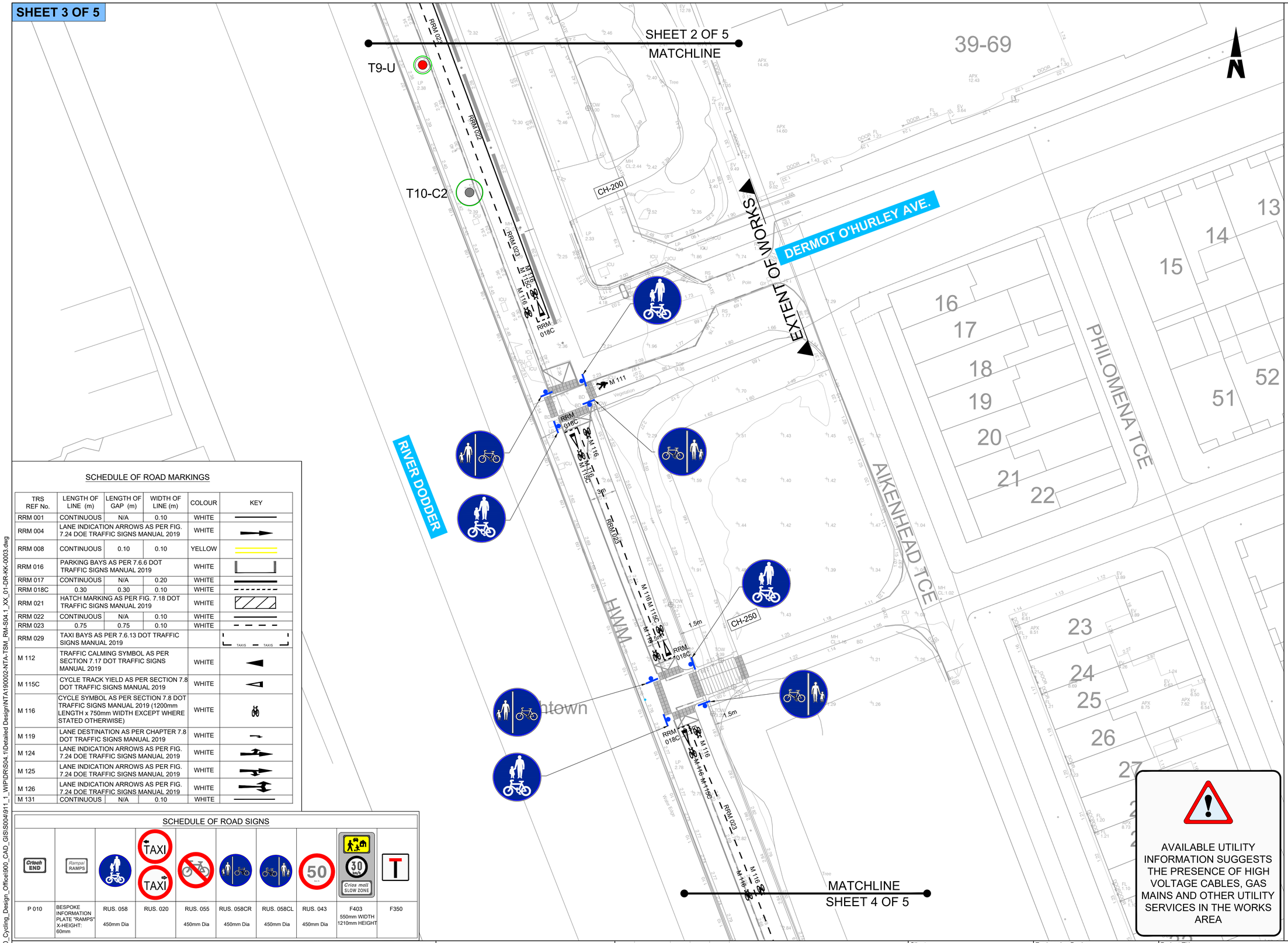
SHEET 3 OF 5



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TREE LEGEND:

- TREE STEM
- NOMINAL ROOT PROTECTION AREA (RPA)
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AVAILABLE UTILITY INFORMATION SUGGESTS THE PRESENCE OF HIGH VOLTAGE CABLES, GAS MAINS AND OTHER UTILITY SERVICES IN THE WORKS AREA

FOR TENDER

SCHEDULE OF ROAD MARKINGS

TRS REF No.	LENGTH OF LINE (m)	LENGTH OF GAP (m)	WIDTH OF LINE (m)	COLOUR	KEY
RRM 001	CONTINUOUS	N/A	0.10	WHITE	
RRM 004	LANE INDICATION ARROWS AS PER FIG. 7.24 DOE TRAFFIC SIGNS MANUAL 2019			WHITE	
RRM 008	CONTINUOUS	0.10	0.10	YELLOW	
RRM 016	PARKING BAYS AS PER 7.6.6 DOT TRAFFIC SIGNS MANUAL 2019			WHITE	
RRM 017	CONTINUOUS	N/A	0.20	WHITE	
RRM 018C	0.30	0.30	0.10	WHITE	
RRM 021	HATCH MARKING AS PER FIG. 7.18 DOT TRAFFIC SIGNS MANUAL 2019			WHITE	
RRM 022	CONTINUOUS	N/A	0.10	WHITE	
RRM 023	0.75	0.75	0.10	WHITE	
RRM 029	TAXI BAYS AS PER 7.6.13 DOT TRAFFIC SIGNS MANUAL 2019				TAXIS TAXIS
M 112	TRAFFIC CALMING SYMBOL AS PER SECTION 7.17 DOT TRAFFIC SIGNS MANUAL 2019			WHITE	
M 115C	CYCLE TRACK YIELD AS PER SECTION 7.8 DOT TRAFFIC SIGNS MANUAL 2019			WHITE	
M 116	CYCLE SYMBOL AS PER SECTION 7.8 DOT TRAFFIC SIGNS MANUAL 2019 (1200mm LENGTH x 750mm WIDTH EXCEPT WHERE STATED OTHERWISE)			WHITE	
M 119	LANE DESTINATION AS PER CHAPTER 7.8 DOT TRAFFIC SIGNS MANUAL 2019			WHITE	
M 124	LANE INDICATION ARROWS AS PER FIG. 7.24 DOE TRAFFIC SIGNS MANUAL 2019			WHITE	
M 125	LANE INDICATION ARROWS AS PER FIG. 7.24 DOE TRAFFIC SIGNS MANUAL 2019			WHITE	
M 126	LANE INDICATION ARROWS AS PER FIG. 7.24 DOE TRAFFIC SIGNS MANUAL 2019			WHITE	
M 131	CONTINUOUS	N/A	0.10	WHITE	

SCHEDULE OF ROAD SIGNS

Críoch END	Rampaí RAMPS		TAXI TAXI				50 km/h	30 km/h Críos moll SLOW ZONE	T
P 010	BESPOKE INFORMATION PLATE "RAMPS" X-HEIGHT: 60mm	RUS. 058 450mm Dia	RUS. 020	RUS. 055 450mm Dia	RUS. 058CR 450mm Dia	RUS. 058CL 450mm Dia	RUS. 043 450mm Dia	F403 550mm WIDTH 1210mm HEIGHT	F350

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P04	01.05.2025	RD	AP	EG	ISSUED FOR TENDER

Client: Comhairle Cathrach Bhaile Átha Cliath / Dublin City Council

Engineering Designer: AECOM

Project Title: FITZWILLIAM QUAY- LONDONBRIDGE STREET SECTION 1

Drawing Title: PROPOSED TRAFFIC SIGNS AND ROAD MARKINGS

Date	Scale	Drawn	Checked	Approved
01.05.2025	1:200@A1 1:400@A3	RD	AP	EG

Project Code	Originator Code	QMS Code	Drawing File Name	Sheet Number	Status	Rev
NTA190002	NTA	S04.1	NTA190002-NTA-TSM_RM-S04.1_XX_01-DR-KK-0003	3 of 5	E3	P04

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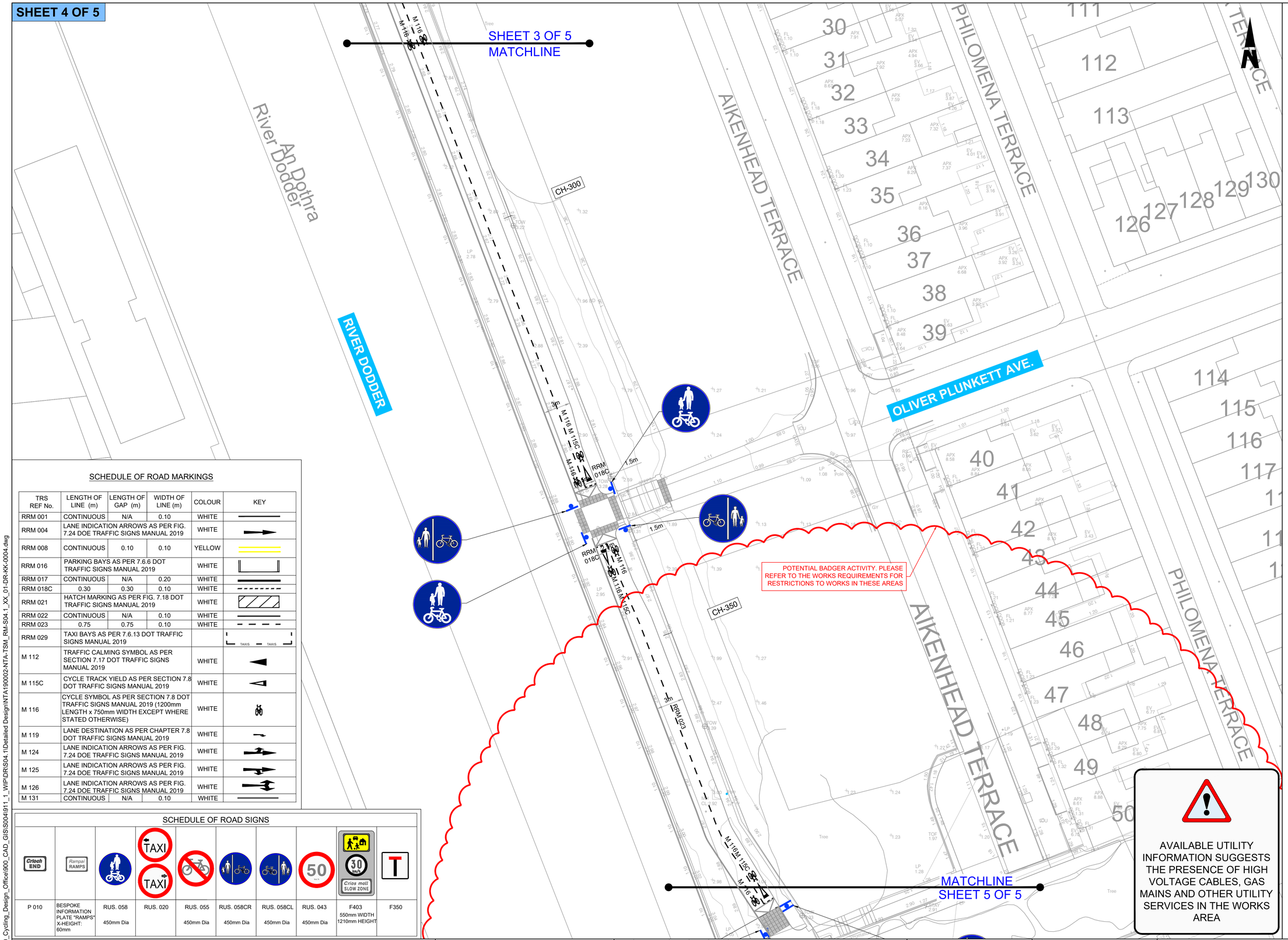
SHEET 4 OF 5



AVAILABLE UTILITY INFORMATION SUGGESTS THE PRESENCE OF HIGH VOLTAGE CABLES, GAS MAINS AND OTHER UTILITY SERVICES IN THE WORKS AREA

FOR TENDER

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M 131	CONTINUOUS	N/A	0.10	WHITE	

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Críoch END	Rampaí RAMPS		TAXI TAXI				50 km/h	30 km/h Crios mall SLOW ZONE	T
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Project Title: **FITZWILLIAM QUAY- LONDONBRIDGE STREET SECTION 1**

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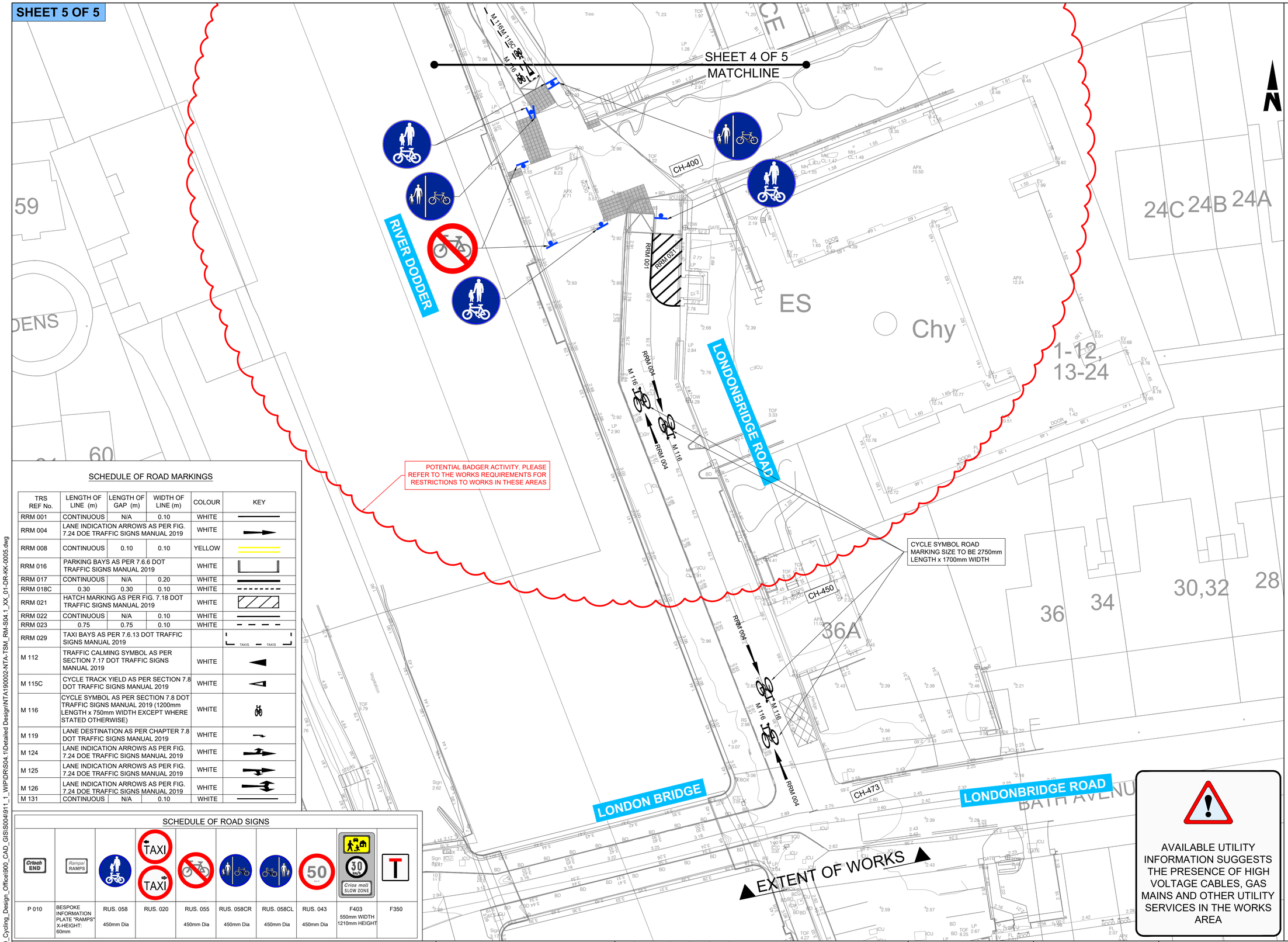
SHEET 5 OF 5



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7. WHERE REFERENCE TO NRA HAS BEEN MADE, THE CONTRACTOR IS TO REFER TO THE TII SPECIFICATION FOR ROAD WORKS SERIES AND THE CONSTRUCTION STANDARDS FOR ROAD AND STREET WORKS IN DUBLIN CITY COUNCIL. PRIOR TO ANY WORKS THE CONTRACTOR MUST AGREE THE DETAIL PROPOSED WITH THE EMPLOYERS REPRESENTATIVE.
8. SETTING OUT DETAILS TO BE AGREED WITH ENGINEER ON SITE.
9. ALL ROAD MARKINGS & SIGNAGE TO BE IN ACCORDANCE WITH TRAFFIC SIGNS MANUAL (T.S.M.). T.S.M REFERS TO THE "TRAFFIC SIGNS MANUAL" PRODUCED BY THE DEPARTMENT OF TRANSPORT 2019.
10. ALL SIGNS TO BE INSTALLED ON A CRANKED POLE TO THE BACK OF FOOTPATH UNLESS OTHERWISE AGREED WITH ENGINEERS REPRESENTATIVE.
11. TRAFFIC SIGNS TO BE INSTALLED IN SUCH A WAY AS TO ENSURE A LATERAL CLEARANCE OF 0.45M DISTANCE FROM THE OUTSIDE EDGE OF THE SIGN FACE TO THE ROADSIDE KERB.
12. ALL TRAFFIC SIGNS TO BE MOUNTED ON POLES TO ENSURE A MINIMUM HEAD CLEARANCE OF 2.5M UNLESS SPECIFIED OTHERWISE.
13. ALL ROAD WORKS INCLUDING ROAD MARKINGS AND SIGNS ARE TO BE REVIEWED ON SITE BY THE LOCAL AUTHORITY DEPARTMENTS PRIOR TO COMPLETION

LEGEND:

- PROPOSED NEW ROAD SIGN POST, NEW RETENTION SOCKET SYSTEM FOUNDATION, AND NEW SIGN FACE
- PROPOSED NEW SIGN FACE TO BE INSTALLED ON EXISTING LIGHTING COLUMN
- PROPOSED NEW ROAD SIGN POST, NEW RETENTION SOCKET SYSTEM FOUNDATION, AND RELOCATED SIGN FACE
- EXISTING SIGN POST AND SIGN PLATE TO BE TAKEN DOWN AND LATER REINSTATED
- PROPOSED FLEXIBLE KEEP RIGHT AND KEEP LEFT CYCLIST BOLLARD
- PROPOSED FLEXIBLE KEEP RIGHT BOLLARD

TREE LEGEND:

- TREE STEM
- NOMINAL ROOT PROTECTION AREA (RPA)
- ADJUSTED RPA

AVAILABLE UTILITY INFORMATION SUGGESTS THE PRESENCE OF HIGH VOLTAGE CABLES, GAS MAINS AND OTHER UTILITY SERVICES IN THE WORKS AREA

FOR TENDER

SCHEDULE OF ROAD MARKINGS

TRS REF No.	LENGTH OF LINE (m)	LENGTH OF GAP (m)	WIDTH OF LINE (m)	COLOUR	KEY
RRM 001	CONTINUOUS	N/A	0.10	WHITE	
RRM 004	LANE INDICATION ARROWS AS PER FIG. 7.24 DOE TRAFFIC SIGNS MANUAL 2019			WHITE	
RRM 008	CONTINUOUS	0.10	0.10	YELLOW	
RRM 016	PARKING BAYS AS PER 7.6.6 DOT TRAFFIC SIGNS MANUAL 2019			WHITE	
RRM 017	CONTINUOUS	N/A	0.20	WHITE	
RRM 018C	0.30	0.30	0.10	WHITE	
RRM 021	HATCH MARKING AS PER FIG. 7.18 DOT TRAFFIC SIGNS MANUAL 2019			WHITE	
RRM 022	CONTINUOUS	N/A	0.10	WHITE	
RRM 023	0.75	0.75	0.10	WHITE	
RRM 029	TAXI BAYS AS PER 7.6.13 DOT TRAFFIC SIGNS MANUAL 2019				TAXIS TAXIS
M 112	TRAFFIC CALMING SYMBOL AS PER SECTION 7.17 DOT TRAFFIC SIGNS MANUAL 2019			WHITE	
M 115C	CYCLE TRACK YIELD AS PER SECTION 7.8 DOT TRAFFIC SIGNS MANUAL 2019			WHITE	
M 116	CYCLE SYMBOL AS PER SECTION 7.8 DOT TRAFFIC SIGNS MANUAL 2019 (1200mm LENGTH x 750mm WIDTH EXCEPT WHERE STATED OTHERWISE)			WHITE	
M 119	LANE DESTINATION AS PER CHAPTER 7.8 DOT TRAFFIC SIGNS MANUAL 2019			WHITE	
M 124	LANE INDICATION ARROWS AS PER FIG. 7.24 DOE TRAFFIC SIGNS MANUAL 2019			WHITE	
M 125	LANE INDICATION ARROWS AS PER FIG. 7.24 DOE TRAFFIC SIGNS MANUAL 2019			WHITE	
M 126	LANE INDICATION ARROWS AS PER FIG. 7.24 DOE TRAFFIC SIGNS MANUAL 2019			WHITE	
M 131	CONTINUOUS	N/A	0.10	WHITE	

SCHEDULE OF ROAD SIGNS

Crioch END	Rampai RAMPS		TAXI TAXI				50	30 km/h Crios mall SLOW ZONE	T
P 010	BESPOKE INFORMATION PLATE "RAMPS" X-HEIGHT: 60mm	RUS. 058 450mm Dia	RUS. 020	RUS. 055 450mm Dia	RUS. 058CR 450mm Dia	RUS. 058CL 450mm Dia	RUS. 043 450mm Dia	F403 550mm WIDTH 1210mm HEIGHT	F350

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Rev	Date	Drn	Chk'd	App'd	Description
P01	21.09.2023	RD	AB	EG	ISSUED FOR TENDER REVIEW
P02	21.12.2023	GH	AB	EG	ISSUED FOR TENDER REVIEW
P03	12.01.2024	AK	AB	EG	ISSUED FOR TENDER
P04	01.05.2025	RD	AP	EG	ISSUED FOR TENDER

Client: Comhairle Cathrach Bhaile Átha Cliath / Dublin City Council

Engineering Designer: AECOM

Date	Scale	Drawn	Checked	Approved
01.05.2025	1:200@A1 1:400@A3	RD	AP	EG

Project Code	Originator Code	QMS Code
NTA190002	NTA	S04.1

Project Title: **FITZWILLIAM QUAY- LONDONBRIDGE STREET SECTION 1**

Drawing Title: PROPOSED TRAFFIC SIGNS AND ROAD MARKINGS

Drawing File Name	Sheet Number	Status	Rev
NTA190002-NTA-TSM_RM-S04.1_XX_01-DR-KK-0005	5 of 5	E3	P04

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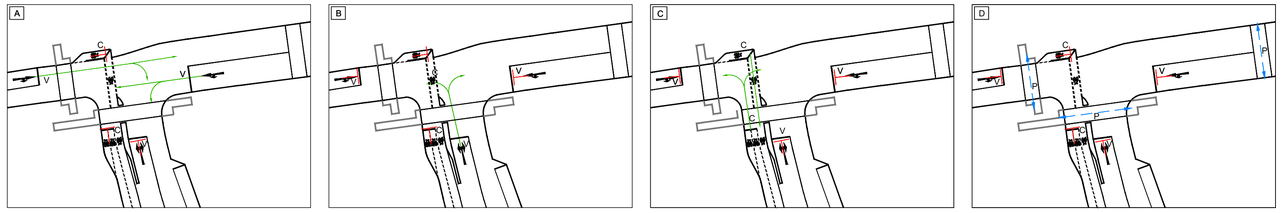
Z:\UK\IE\DBL2\Jobs\PR-426780_Cycling_Design_Office\900_CAD_GIS\S004\911_1_WIP\DR\S04.1\Detailed Design\NTA190002-NTA-TSM_RM-S04.1_XX_01-DR-KK-0005.dwg

PROPOSED SIGNALS STAGING - BRIDGE ROAD / FITZWILLIAM QUAY



METHOD OF CONTROL.

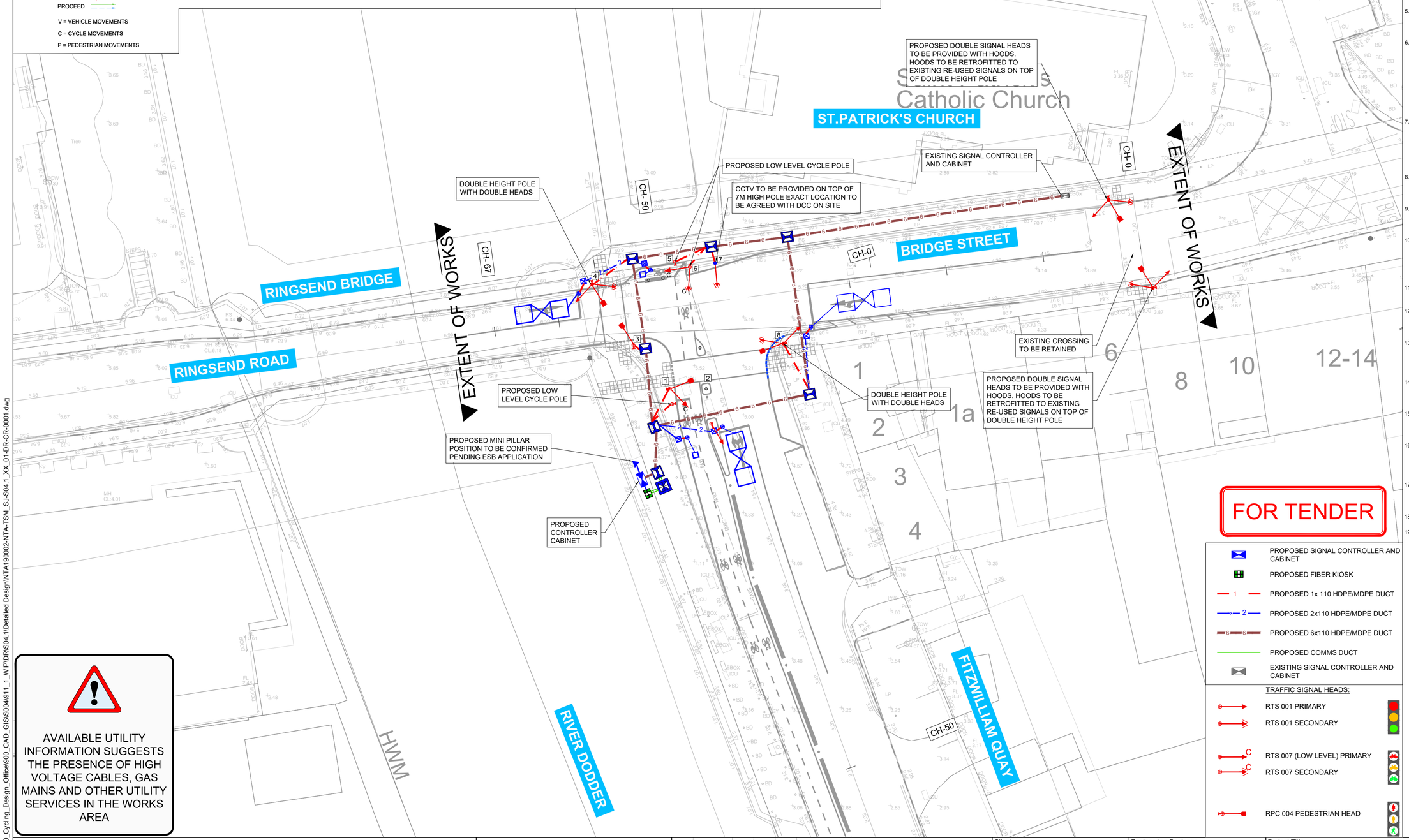
HOLD

PROCEED

V = VEHICLE MOVEMENTS

C = CYCLE MOVEMENTS

P = PEDESTRIAN MOVEMENTS



AVAILABLE UTILITY INFORMATION SUGGESTS THE PRESENCE OF HIGH VOLTAGE CABLES, GAS MAINS AND OTHER UTILITY SERVICES IN THE WORKS AREA

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8. ALL TRAFFIC SIGNAL POLES TO BE HOUSED IN A SOCKET FOUNDATION SYSTEM TO BE APPROVED BY THE TRAFFIC CONTROL ENGINEER.
9. FOUNDATIONS FOR EACH SIGNAL POLE TO BE DESIGNED BY THE CONTRACTOR TO THE SATISFACTION OF THE EMPLOYERS REPRESENTATIVE
10. CHAMBERS ARE TO BE BLOCK BUILT WITH APPROPRIATE FRAME AND COVER TO THE SATISFACTION OF THE EMPLOYERS REPRESENTATIVES. ALL WORKS TO COMPLY WITH CONSTRUCTION STANDARDS FOR ROAD AND STREET WORKS IN DUBLIN CITY COUNCIL..
11. DUCTS (CONTINUOUS LINE) ARE SMOOTH BORE 110MM HDPE TO EN 61386-24
12. MDPE (ORANGE, MARKED TRAFFIC SIGNALS) EXCEPT WHEN DETAILED OTHERWISE. NUMBER OF DUCTS BETWEEN CHAMBERS IS INDICATED ADJACENT TO THAT DUCT RUN WITH A NUMBER.
13. ALL TRAFFIC SIGNAL STAGING TO BE CONFIRMED WITH THE LOCAL AUTHORITY TRAFFIC DEPARTMENT AND SIGNALS CONTRACTOR AND EMPLOYERS REPRESENTATIVE PRIOR TO WORK COMMENCING.
14. POSITION OF DUCTING AND POLES TO BE AGREED WITH THE LOCAL AUTHORITY TRAFFIC DEPARTMENT AND SIGNALS CONTRACTOR AND EMPLOYERS REPRESENTATIVE PRIOR TO WORK COMMENCING
15. EXISTING TRAFFIC SIGNALS TO REMAIN OPERATIONAL UNTIL NEW SIGNALS ARE COMMISSIONED. NEW SIGNALS TO REMAIN HOODED UNTIL THEY BECOME OPERATIONAL.
16. FINAL LOCATION OF INDUCTIVE LOOPS TO BE AGREED ON SITE WITH THE LOCAL AUTHORITY TRAFFIC DEPARTMENT AND SIGNALS CONTRACTOR AND EMPLOYERS REPRESENTATIVE PRIOR TO WORK COMMENCING
17. TRAFFIC SIGNALS TO BE INSTALLED TO PROVIDE A MINIMUM LATERAL CLEARANCE OF 450MM FROM THE ADJACENT CARRIAGEWAY EDGE.
18. LOOP FEEDER AERIAL PIECES TO BE 110MM HDPE TO EN 61386-24
19. EXISTING SIGNAL DUCTING AND CABLING TO BE PROTECTED DURING THE WORKS.

FOR TENDER

LEGEND:

- PROPOSED SIGNAL CONTROLLER AND CABINET
- PROPOSED FIBER KIOSK
- PROPOSED 1x 110 HDPE/MDPE DUCT
- PROPOSED 2x110 HDPE/MDPE DUCT
- PROPOSED 6x110 HDPE/MDPE DUCT
- PROPOSED COMMS DUCT
- EXISTING SIGNAL CONTROLLER AND CABINET

TRAFFIC SIGNAL HEADS:

- RTS 001 PRIMARY
- RTS 001 SECONDARY
- RTS 007 (LOW LEVEL) PRIMARY
- RTS 007 SECONDARY
- RPC 004 PEDESTRIAN HEAD

- PROPOSED POLE (4m & 114mmØ) AND RETENTION SOCKET (115mmØ)
- PROPOSED POLE (4m & 114mmØ), RETENTION SOCKET (115mmØ) & PEDESTRIAN / CYCLIST PUSH BUTTON DEMAND UNIT
- PROPOSED DOUBLE HEIGHT POLE (6m & 114mmØ) AND RETENTION SOCKET (115mmØ)
- PROPOSED HIGH POLE (7m h & 167mmØ) AND RETENTION SOCKET (168mmØ)
- PROPOSED JB4 JUNCTION BOX
- PROPOSED JB4A JUNCTION BOX
- PROPOSED JB2 BOX
- PROPOSED MINI PILLAR (FOR ESB CONNECTION)
- EXISTING ESB MINI PILLAR
- PROPOSED SCATS INDUCTION LOOP
- PROPOSED SCATS INDUCTION LOOP FOR CYCLISTS
- PROPOSED LOOP CHAMBER
- PROPOSED SIGNAL CONTROLLER AND CABINET

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P01	27.11.2023	AK	AB	EG	ISSUED FOR TENDER REVIEW
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P03	12.01.2024	AK	AB	EG	ISSUED FOR TENDER
P04	28.04.2025	RD	AP	EG	ISSUED FOR TENDER

Client: Comhairle Cathrach Bhaile Átha Cliath / Dublin City Council

Engineering Designer: AECOM

Date	Scale	Drawn	Checked	Approved
28.04.2025	1:200@A1 1:400@A3	RD	AP	EG

Project Code	Originator Code	QMS Code
NTA19000	NTA	S04.1

Project Title: **FITZWILLIAM QUAY- LONDONBRIDGE STREET SECTION 1**

Drawing Title: PROPOSED TRAFFIC SIGNALS LAYOUT

Drawing File Name	Sheet Number	Status	Rev
NTA190002-NTA-TSM_SJ-S04.1_XX_01-DR-CR-0001	1 of 1	E3	P04

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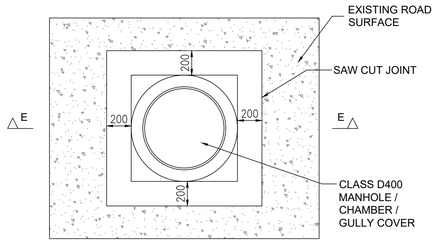
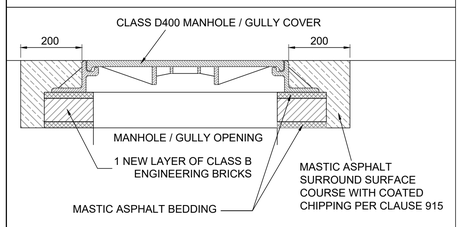
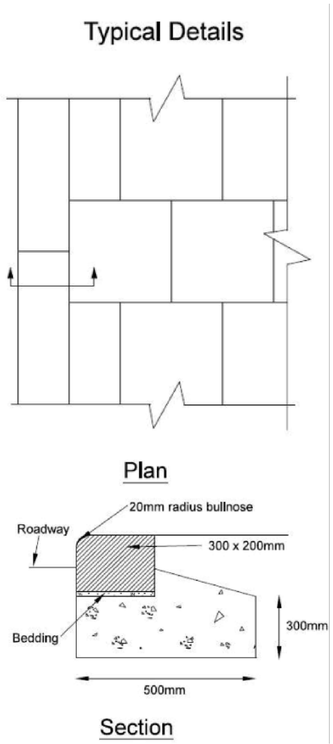
DETAIL A - TYPICAL MASTIC IRONWORKS





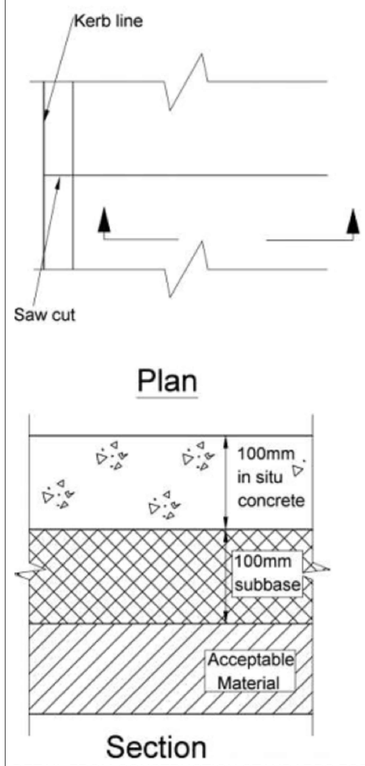
SECTION E-E

DETAIL B - RM007 300mm GRANITE KERB



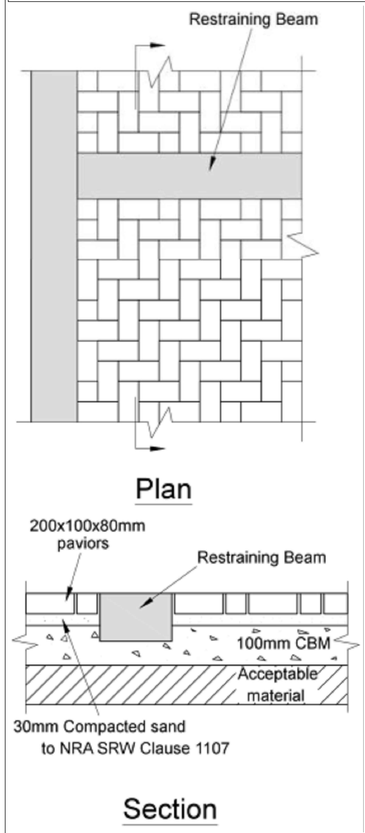
DETAIL FROM CONSTRUCTION STANDARDS FOR ROAD AND STREET WORKS IN DUBLIN CITY COUNCIL (2016)

DETAIL C - RM001 IN SITU CONCRETE FOOTWAY



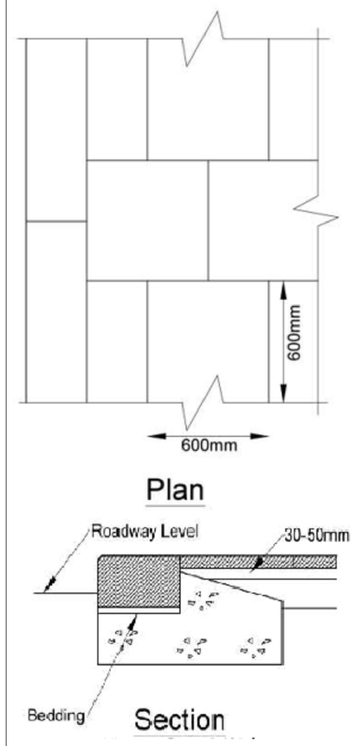
DETAIL FROM CONSTRUCTION STANDARDS FOR ROAD AND STREET WORKS IN DUBLIN CITY COUNCIL (2016)

DETAIL D - RM008 BLOCK PAVING



DETAIL FROM CONSTRUCTION STANDARDS FOR ROAD AND STREET WORKS IN DUBLIN CITY COUNCIL (2016)

DETAIL E - RM012 CONCRETE PAVING SLABS



DETAIL FROM CONSTRUCTION STANDARDS FOR ROAD AND STREET WORKS IN DUBLIN CITY COUNCIL (2016)

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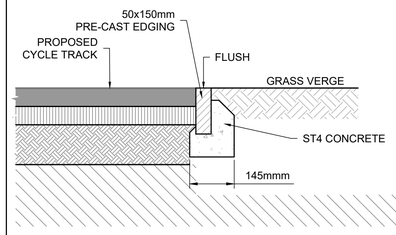
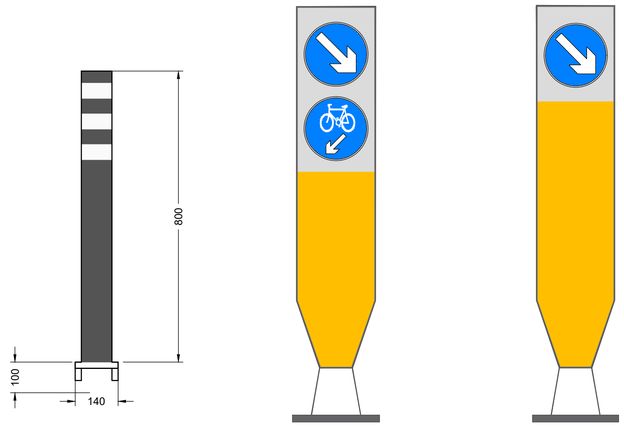
4. DIMENSIONS OF ALL BOUNDARIES AND ADJOINING ROADS TO BE CHECKED ON SITE PRIOR TO COMMENCEMENT OF WORKS.
5. DO NOT SCALE, ALL MEASUREMENTS AND COORDINATES TO BE CHECKED ON SITE.
6. SPECIFIC CONSTRUCTION METHODOLOGY AND MATERIALS TO BE CONFIRMED BY CONTRACTOR.

DETAIL F - VERGE EDGING



DETAIL G - BOLLARD TYPE A, B, & C



PROPOSED FLEXIBLE DELINEATION BOLLARD TYPE A

TO BE PLACED AS SHOWN IN ACCOMPANYING DRAWING SERIES BOLLARD TYPE TO BE AGREED WITH DUBLIN CITY COUNCIL

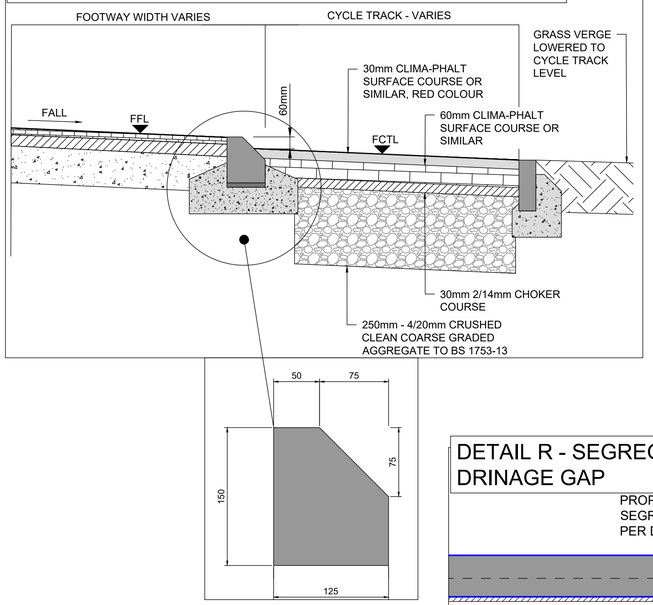
PROPOSED FLEXIBLE KEEP RIGHT, AND KEEP LEFT CYCLIST BOLLARD TYPE B

KEEP RIGHT (RUS 002) AND CYCLE ONLY (RUS 009) WITH KEEP LEFT (RUS 001) TO CYCLIST TO BE PLACED AS SHOWN IN ACCOMPANYING DRAWING SERIES

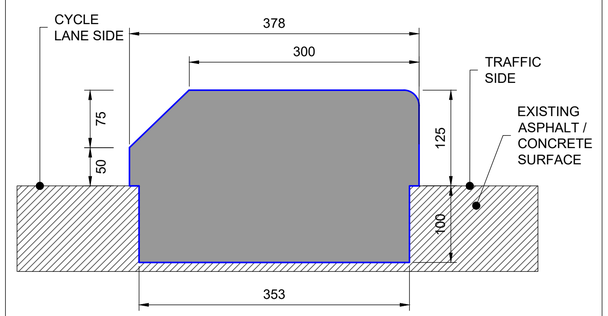
PROPOSED FLEXIBLE KEEP RIGHT BOLLARD TYPE C

KEEP RIGHT (RUS 002) TO BE PLACED AS SHOWN IN ACCOMPANYING DRAWING SERIES

DETAIL H - STEPPED CYCLE TRACK ARRANGEMENT

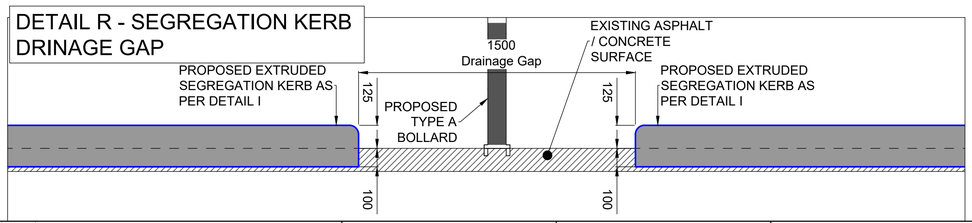


DETAIL I - SEGREGATION KERB



EXTRUDED SEGREGATION KERB

DETAIL R - SEGREGATION KERB DRINAGE GAP



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Rev	Date	Drn	Chk'd	App'd	Description
P01	21.09.2023	RD	AB	EG	ISSUED FOR TENDER REVIEW
P02	21.12.2023	GH	AB	EG	ISSUED FOR TENDER REVIEW
P03	12.01.2024	AK	AB	EG	ISSUED FOR TENDER
P04	28.04.2025	RD	AP	EG	ISSUED FOR TENDER

Client: Comhairle Cathrach Bhaile Átha Cliath / Dublin City Council

Engineering Designer: AECOM

Date	Scale	Drawn	Checked	Approved
28.04.2025	N.T.S@A1 N.T.S@A3	RD	AP	EG

Project Code	Originator Code	QMS Code
NTA190002	NTA	S04.1

Project Title: **FITZWILLIAM QUAY- LONDONBRIDGE STREET SECTION 1**

Drawing Title: PROPOSED STANDARD DETAILS

Drawing File Name	Sheet Number	Status	Rev
NTA190002-NTA-SCD_ZZ-S04.1_XX_01-DR-KK-0001	1 of 3	E3	P04

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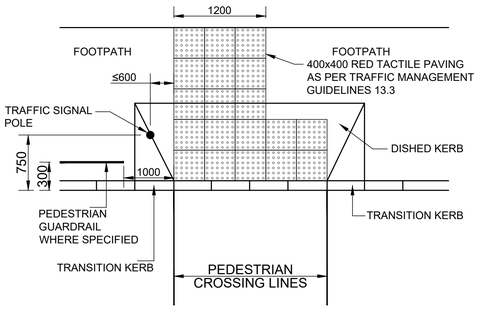
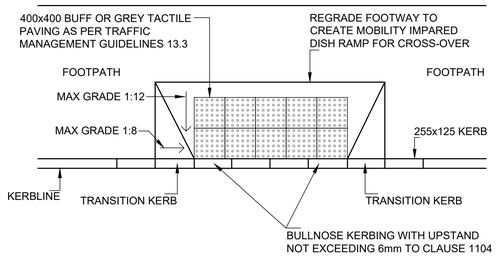
Z:\UK\IEDBL2\Jobs\PR-426780_Cycling_Design_Office\900_CAD_GIS\S004\911_1_WIP\DR\S04.1\Detailed Design\NTA190002-NTA-SCD_ZZ-S04.1_XX_01-DR-KK-0001.dwg

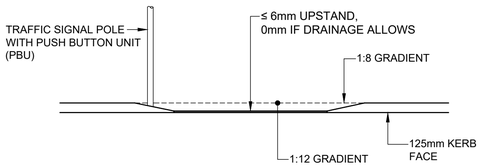
DETAIL J - RED / BUFF TACTILE PAVING



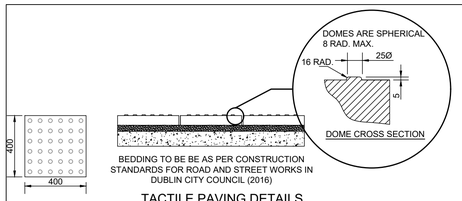
LAYOUT PLAN
TACTILE PAVING AT SIGNAL CROSSINGS



LAYOUT PLAN
TACTILE PAVING AT UNCONTROLLED CROSSINGS

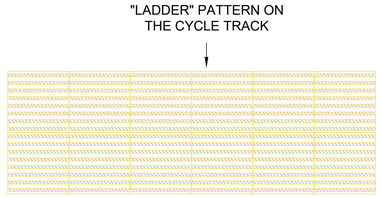


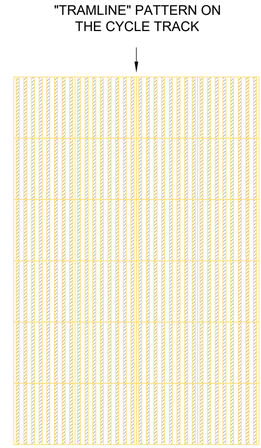
TACTILE PAVING ELEVATION

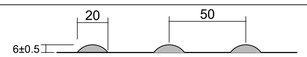


TACTILE PAVING DETAILS

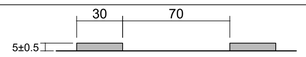
DETAIL K - TRAMLINE / LADDER CORDUROY



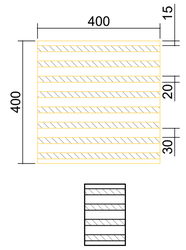




CROSS SECTION OF CORDUROY HAZARD TILE

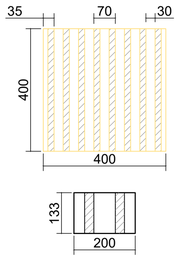


CROSS SECTION OF TRAMLINE



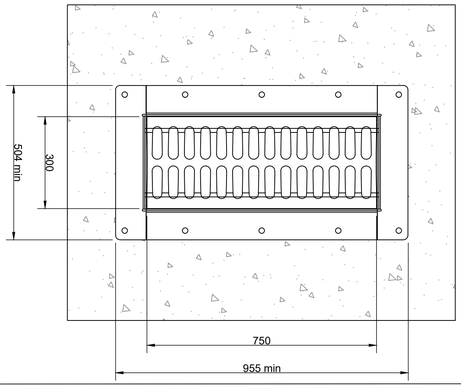
ALTERNATIVE MODULE SIZE

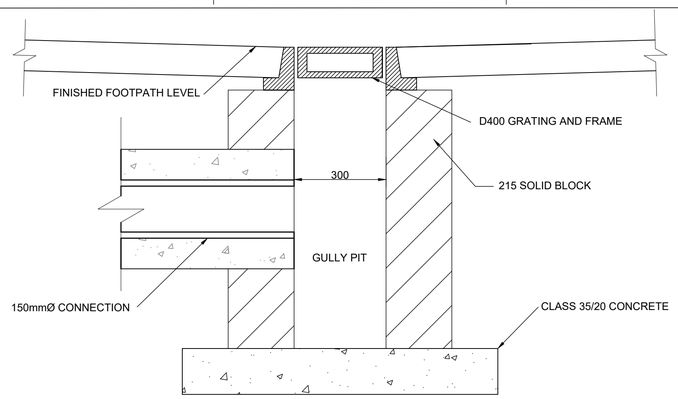
BEDDING TO BE BE AS PER CONSTRUCTION STANDARDS FOR ROAD AND STREET WORKS IN DUBLIN CITY COUNCIL (2016)



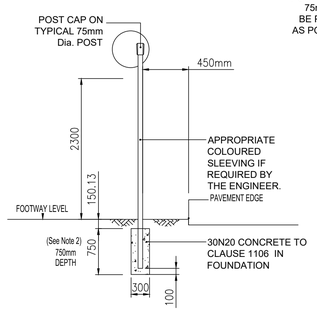
ALTERNATIVE MODULE SIZE

DETAIL L - CYCLE FRIENDLY GULLY

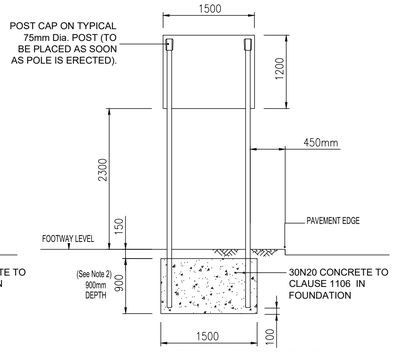




DETAIL M - SIGNS DETAILS



INFORMATION SIGN
(Single Post)



INFORMATION SIGN
(Dual Post)

NOTE:
1. ALL DIMENSIONS IN MILLIMETERS UNLESS STATED OTHERWISE.
2. EARTH COVER MAY BE INCREASED IN SITUATIONS WHERE THE FOUNDATION LEVEL HAS BEEN DROPPED ON EMBANKMENTS.
3. ALL POSTS TO BE GALVANISED MILD STEEL TO B.S 729.
4. ENSURE THAT TOP OF POLE DOES NOT EXTEND ABOVE TOP OF SIGN.
5. CHECK THE UNDERGROUND SERVICES AT AN EARLY STAGE (AND ACCOMODATE AS MAY BE NECCESSARY)
6. SEE TABLE 6.1 TSM (DOE).
7. ALL CLAUSE REFERENCES RELATE TO VOLUME 1, SPECIFICATION FOR HIGHWAY WORKS (NRA).

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P03	12.01.2024	AK	AB	EG	ISSUED FOR TENDER

Client: Comhairle Cathrach Bhaile Átha Cliath — Dublin City Council

Engineering Designer: **CYCLING DESIGN OFFICE**

Project Title: **FITZWILLIAM QUAY- LONDONBRIDGE STREET SECTION 1**

Drawing Title: PROPOSED STANDARD DETAILS

Date	Scale	Drawn	Checked	Approved
12.01.2024	N.T.S@A1 N.T.S@A3	AK	AB	EG

Project Code	Originator Code	QMS Code	Drawing File Name	Sheet Number	Status	Rev
NTA190002	NTA	S04.1	NTA190002-NTA-SCD_ZZ-S04.1_XX_01-DR-KK-0002	2 of 3	E3	P03

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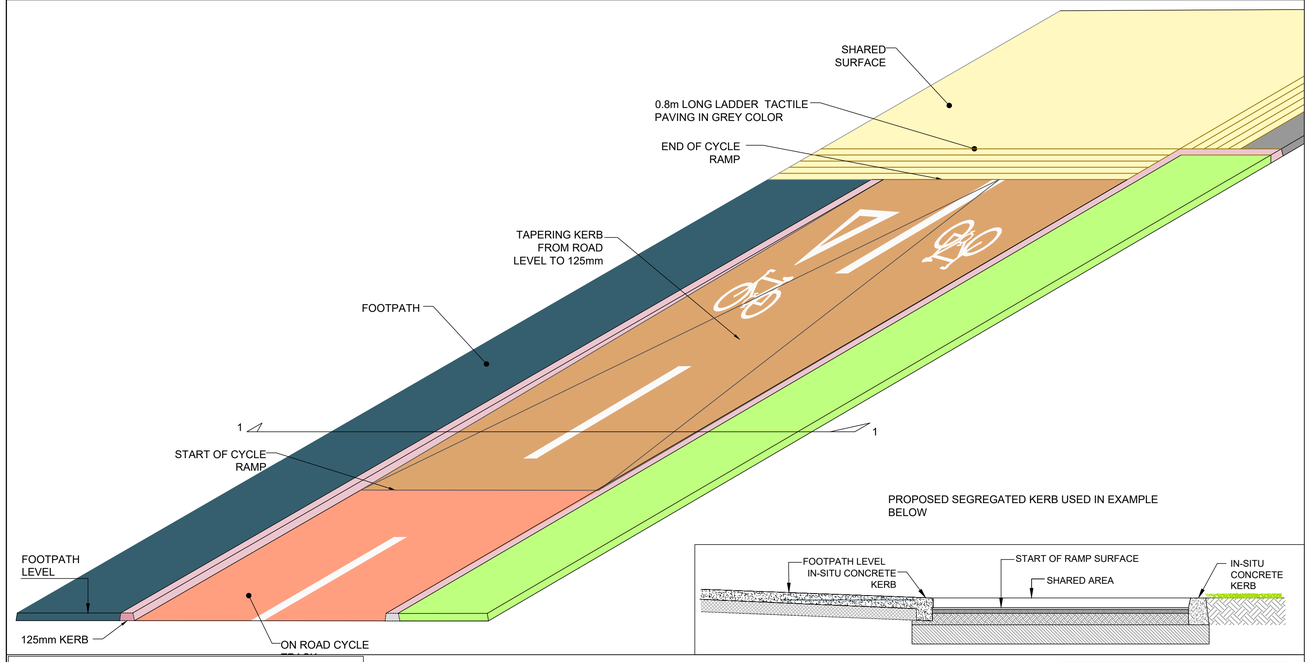
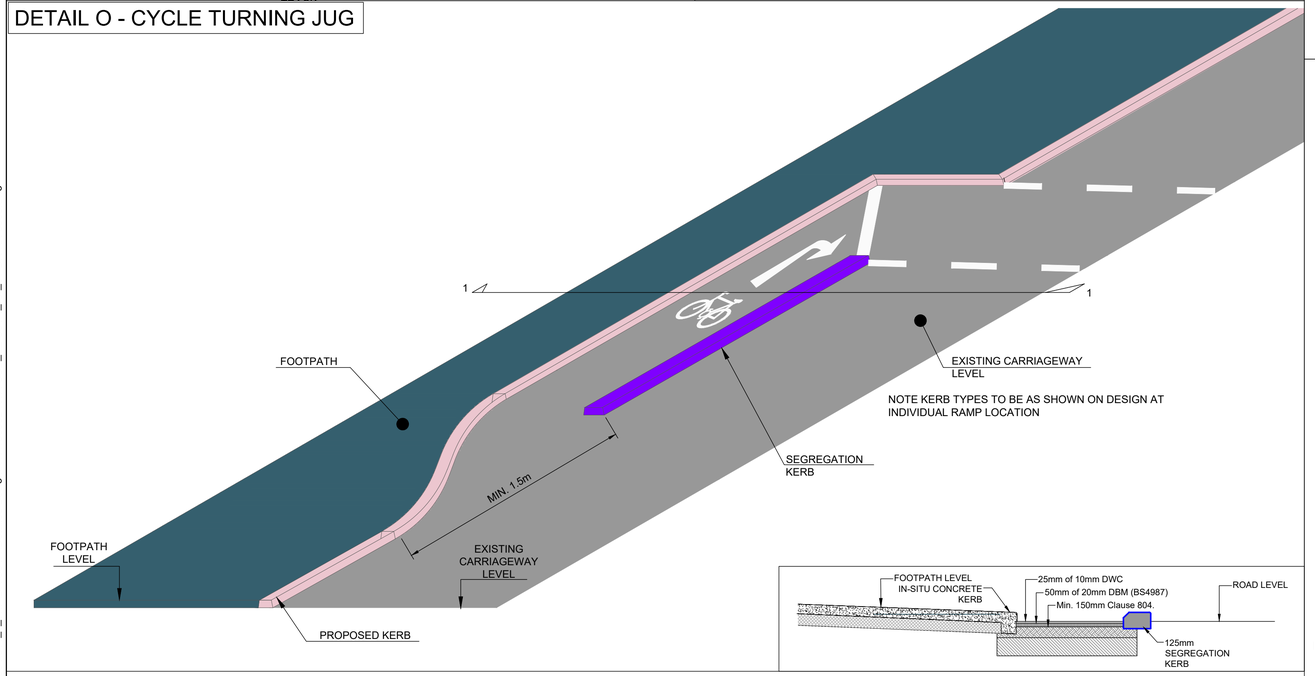
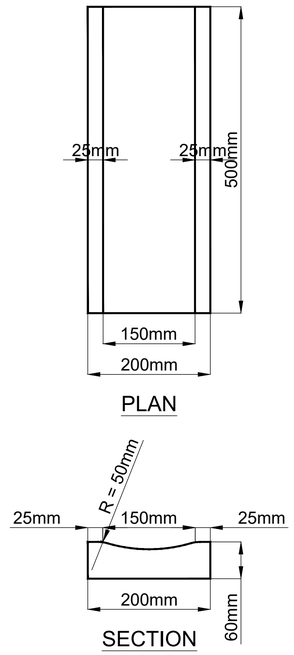
DETAIL N - CYCLE RAMP



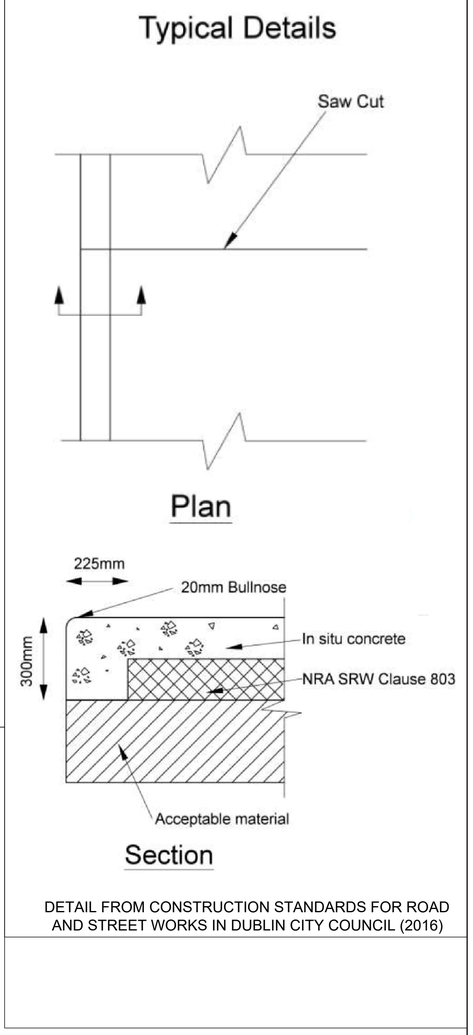
DETAIL O - CYCLE TURNING JUG



DETAIL P - FOOTPATH DRAINAGE CHANNEL

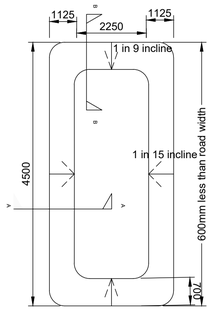


DETAIL Q - RM002 IN SITU CONCRETE KERB

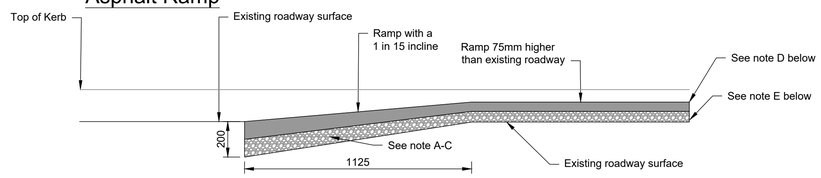


DETAIL FROM CONSTRUCTION STANDARDS FOR ROAD AND STREET WORKS IN DUBLIN CITY COUNCIL (2016)

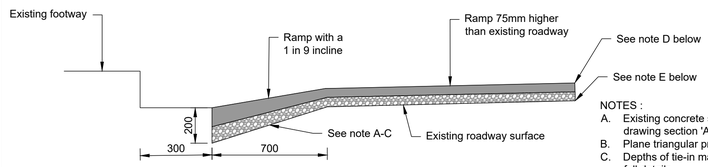
DETAIL R - ASPHALT RAMP



Asphalt Ramp



Section A-A for Concrete Roadway



Section B-B for Concrete Roadway

NOTES :

A. Existing concrete surface to be saw-cut as shown on drawing section 'A-A'.
B. Plane triangular profile and prime using bitumen.
C. Depths of tie-in may vary, see works requirement for full details.
D. 35mm of SMA 10 surf PMB 65/105.6 on bon dcoat to NRA CSW Clause 942.
E. 65mm AC20 heavy duty macadam basecourse with Grade 40/60 pen binder (HDM50) to NRA SRW Clause 929, on bond coat to Clause 920.

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P03	12.01.2024	AK	AB	EG	ISSUED FOR TENDER

Client: Comhairle Cathrach Bhaile Átha Cliath — Dublin City Council

Engineering Designer: AECOM

Project Title: **FITZWILLIAM QUAY- LONDONBRIDGE STREET SECTION 1**

Drawing Title: PROPOSED STANDARD DETAILS

Date	Scale	Drawn	Checked	Approved
12.01.2024	N.T.S@A1 N.T.S@A3	AK	AB	EG

Project Code	Originator Code	QMS Code	Drawing File Name	Sheet Number	Status	Rev
NTA190002	NTA	S04.1	NTA190002-NTA-SCD_ZZ-S04.1_XX_01-DR-KK-0003	3 of 3	E3	P03

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BRIDGE STREET - FITZWILLIAM QUAY FOOTPATH WIDENING 1:100 @ A1

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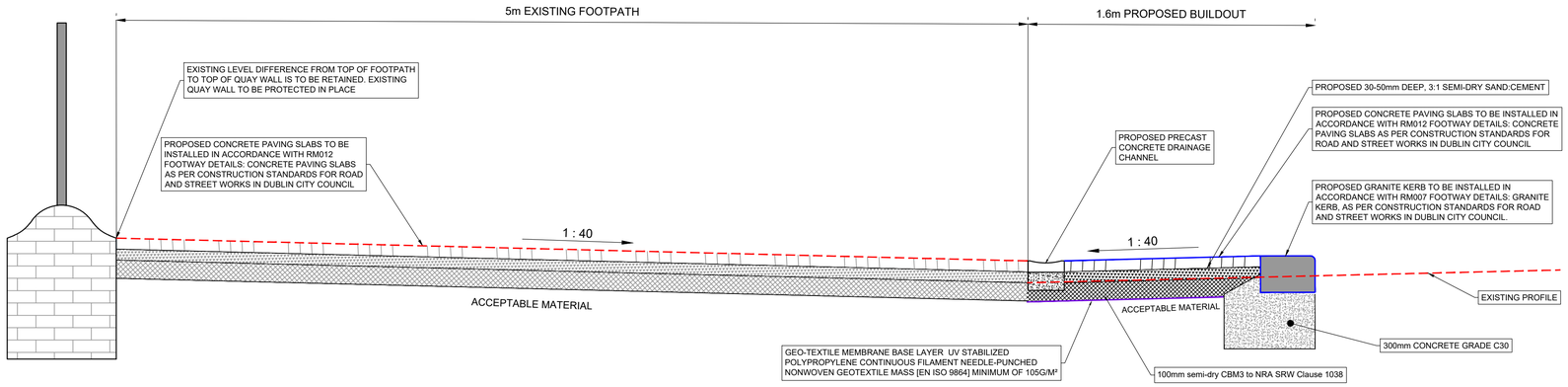

SECTION A-A NTS @ A1

AVAILABLE UTILITY INFORMATION SUGGESTS THE PRESENCE OF HIGH VOLTAGE CABLES, GAS MAINS AND OTHER UTILITY SERVICES IN THE WORKS AREA

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Client: Comhairle Cathrach Bhaile Átha Cliath / Dublin City Council

Engineering Designer: AECOM

Date	Scale	Drawn	Checked	Approved
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Project Code	Originator Code	QMS Code
NTA19000	NTA	S04.1

Project Title: **FITZWILLIAM QUAY- LONDONBRIDGE STREET SECTION 1**

Drawing Title: PROPOSED BUILD OUT

Drawing File Name	Sheet Number	Status	Rev
NTA190002-NTA-SCD_ZZ-S04.1_XX_01-DR-KK-0004	1 of 1	E3	P04

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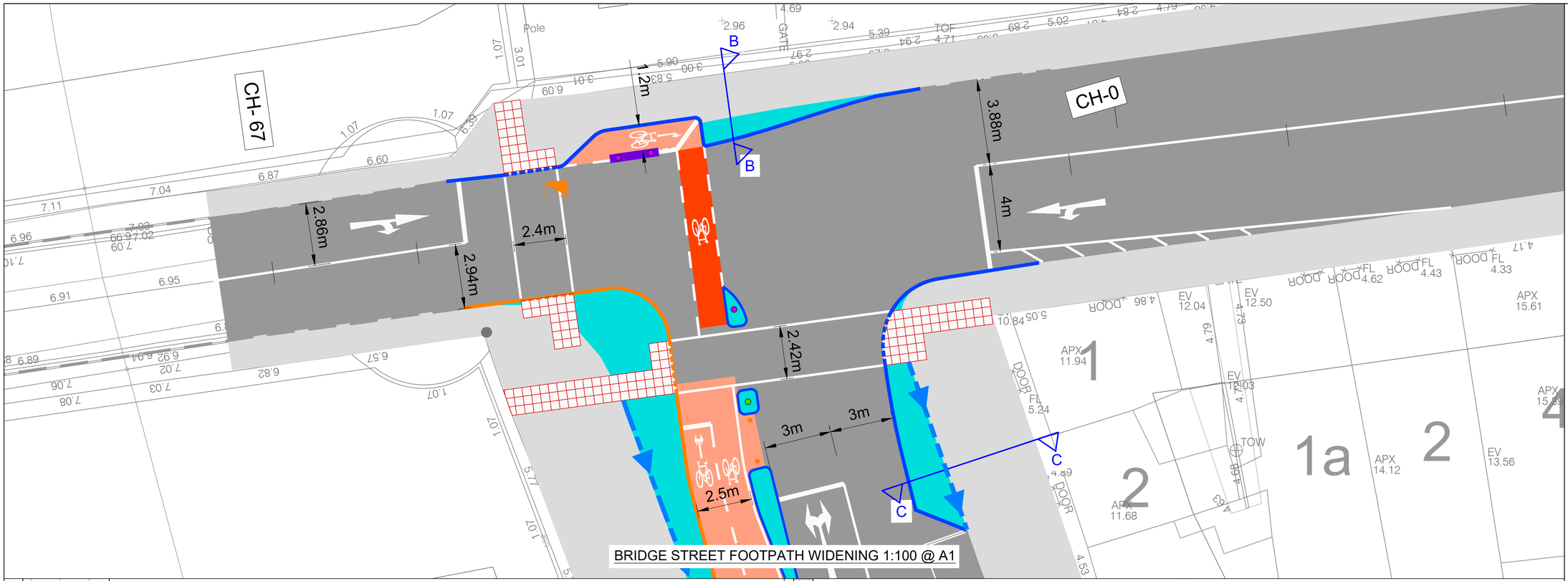
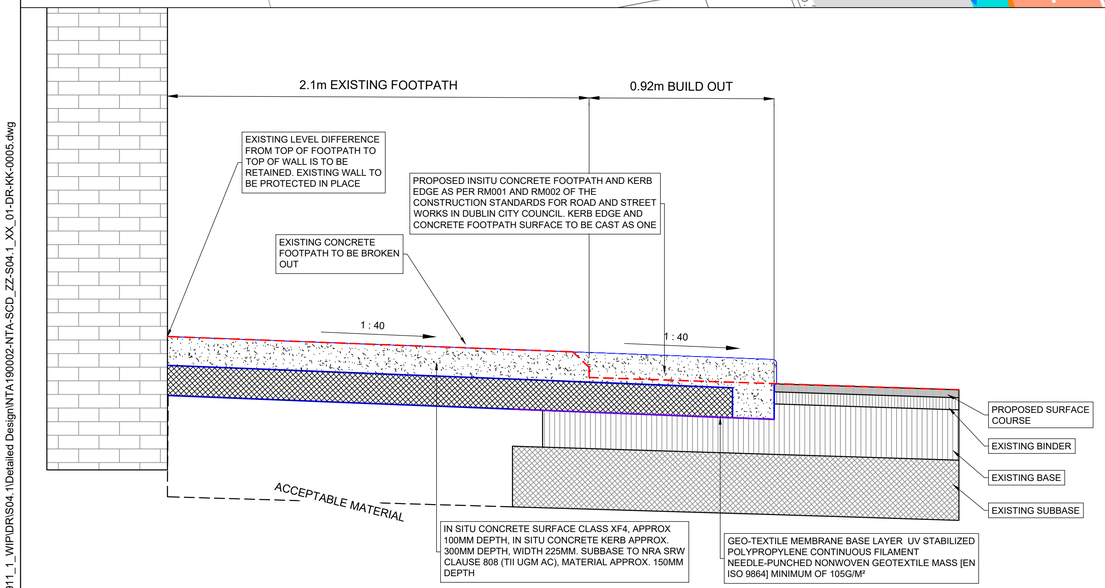
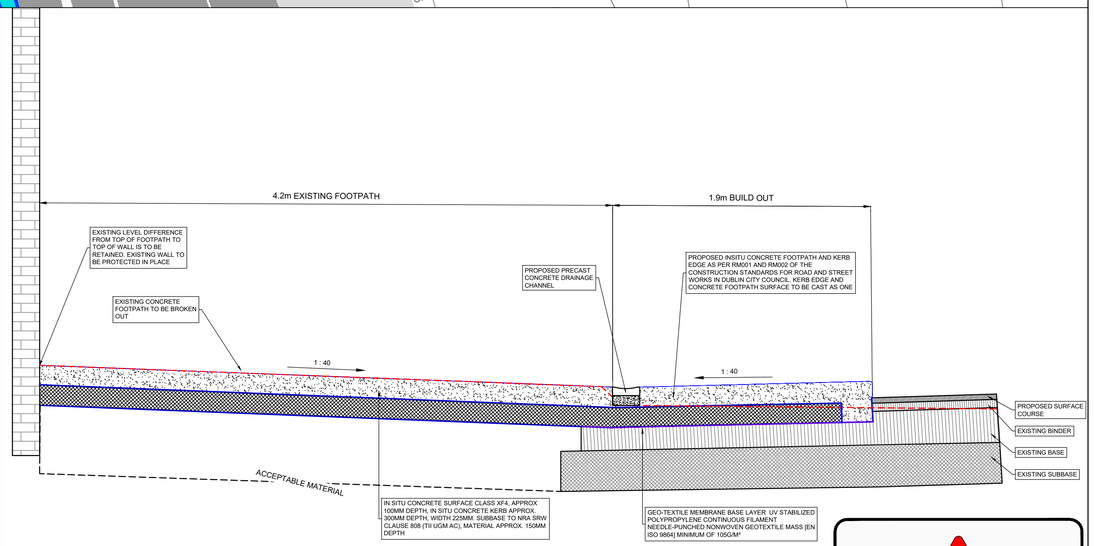


BRIDGE STREET FOOTPATH WIDENING 1:100 @ A1



SECTION B-B NTS @ A1



SECTION C-C NTS @ A1

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AVAILABLE UTILITY INFORMATION SUGGESTS THE PRESENCE OF HIGH VOLTAGE CABLES, GAS MAINS AND OTHER UTILITY SERVICES IN THE WORKS AREA

FOR TENDER

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Rev	Date	Drn	Chk'd	App'd	Description
P01	21.09.2023	RD	AB	EG	ISSUED FOR TENDER REVIEW
P02	21.12.2023	GH	AB	EG	ISSUED FOR TENDER REVIEW
P03	12.01.2024	AK	AB	EG	ISSUED FOR TENDER
P04	01.05.2025	RD	AP	EG	ISSUED FOR TENDER

Client: Comhairle Cathrach Bhaile Átha Cliath / Dublin City Council

Engineering Designer: AECOM

Project Title: **FITZWILLIAM QUAY- LONDONBRIDGE STREET SECTION 1**

Drawing Title: PROPOSED BUILD OUT

Date	Scale	Drawn	Checked	Approved
01.05.2025	N.T.S@A1 N.T.S@A3	RD	AP	EG

Project Code	Originator Code	QMS Code	Drawing File Name	Sheet Number	Status	Rev
NTA19000	NTA	S04.1	NTA190002-NTA-SCD_ZZ-S04.1_XX_01-DR-KK-0005	1 of 1	E3	P04

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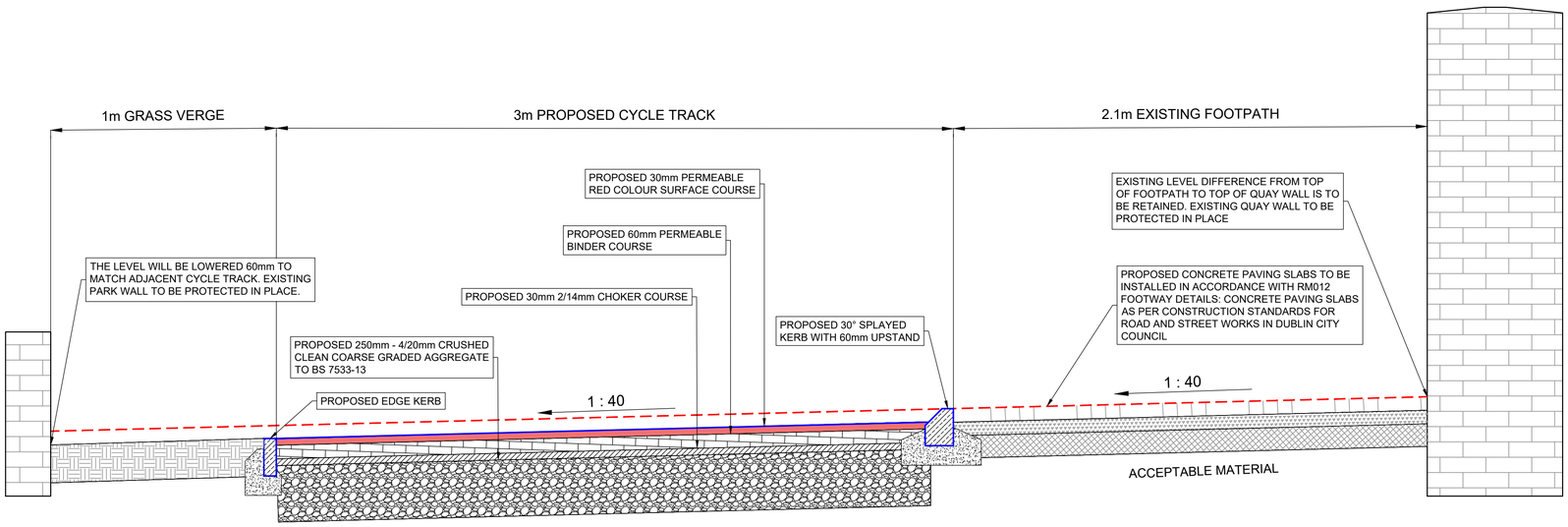
DODDER PARK CYCLE TRACK WIDENING 1:100 @ A1



SECTION D-D NTS @ A1

AVAILABLE UTILITY INFORMATION SUGGESTS THE PRESENCE OF HIGH VOLTAGE CABLES, GAS MAINS AND OTHER UTILITY SERVICES IN THE WORKS AREA

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P01	21.09.2023	RD	AB	EG	ISSUED FOR TENDER REVIEW
P02	21.12.2023	GH	AB	EG	ISSUED FOR TENDER REVIEW
P03	12.01.2024	AK	AB	EG	ISSUED FOR TENDER

Client: Comhairle Cathrach Bhaile Átha Cliath — Dublin City Council

Engineering Designer: AECOM

Project Title: **FITZWILLIAM QUAY- LONDONBRIDGE STREET SECTION 1**

Drawing Title: DODDER PARK CYCLE TRACK WIDENING

Date	Scale	Drawn	Checked	Approved
12.01.2024	N.T.S@A1 N.T.S@A3	AK	AB	EG

Project Code	Originator Code	QMS Code	Drawing File Name	Sheet Number	Status	Rev
NTA19000	NTA	S04.1	NTA190002-NTA-SCD_ZZ-S04.1_XX_01-DR-KK-0006	1 of 1	E3	P03

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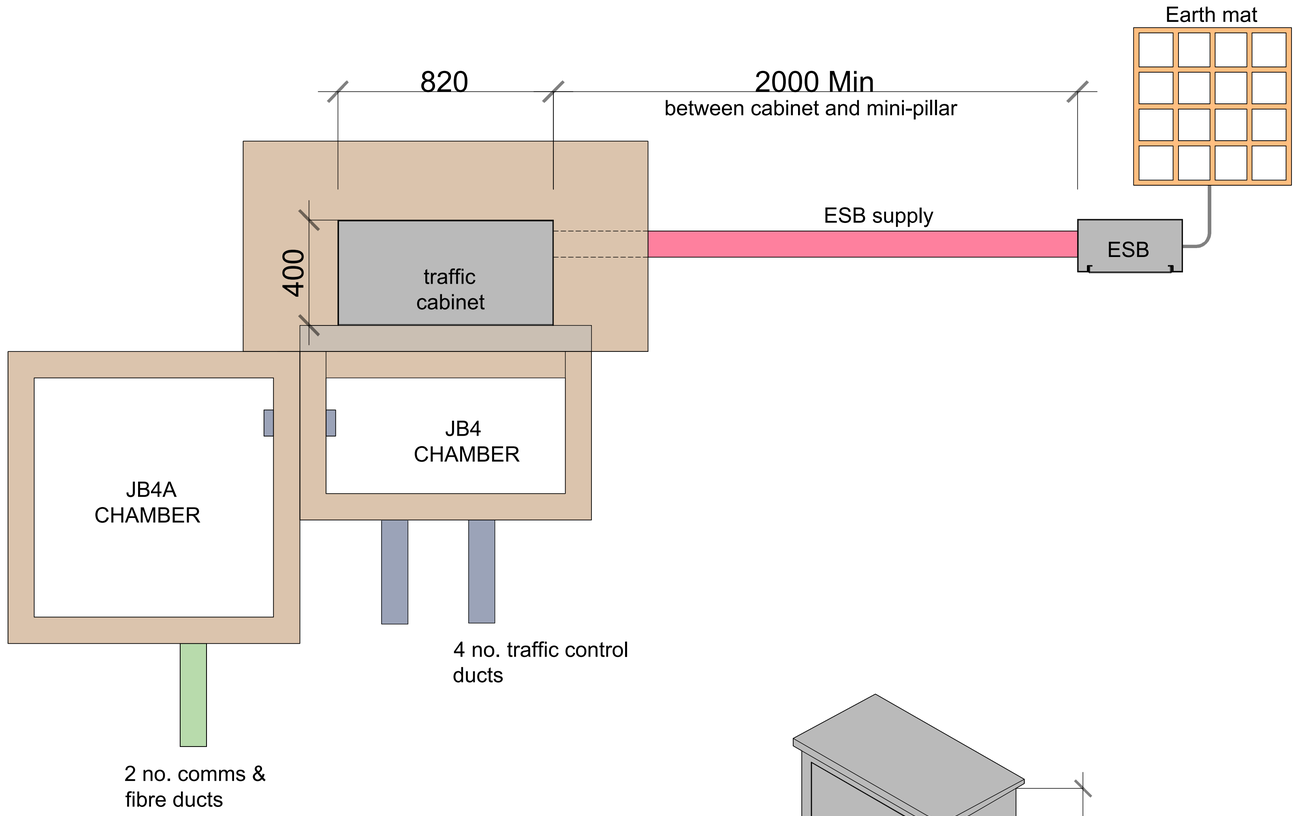
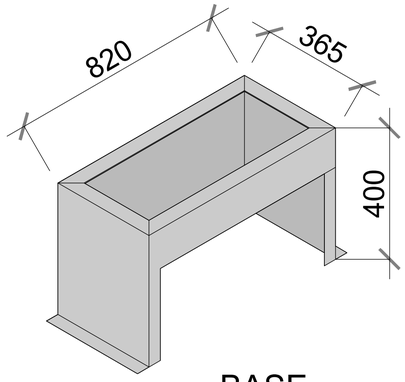


PLAN VIEW



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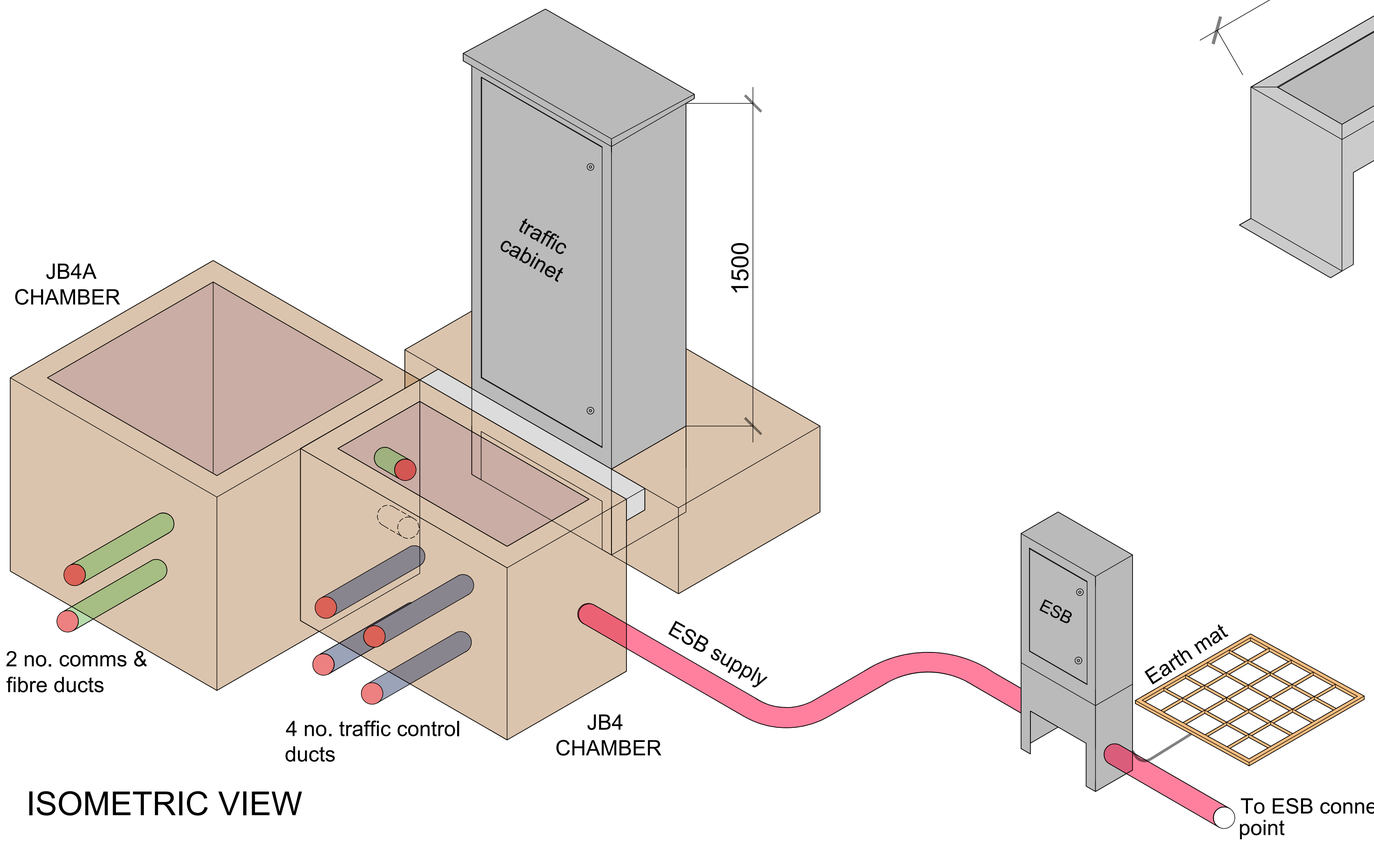

ISOMETRIC VIEW

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P03	12.01.2024	AK	AB	EG	ISSUED FOR TENDER

Client: Comhairle Cathrach Bhaile Átha Cliath / Dublin City Council

Engineering Designer: AECOM

Project Title: **FITZWILLIAM QUAY- LONDONBRIDGE STREET SECTION 1**

Drawing Title: TRAFFIC CONTROLLER AND BASE DETAILS

Date	Scale	Drawn	Checked	Approved
12.01.2024	N.T.S.@A1 N.T.S.@A3	AK	AB	EG

Project Code	Originator Code	QMS Code	Drawing File Name	Sheet Number	Status	Rev
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