

Celbridge Link Road

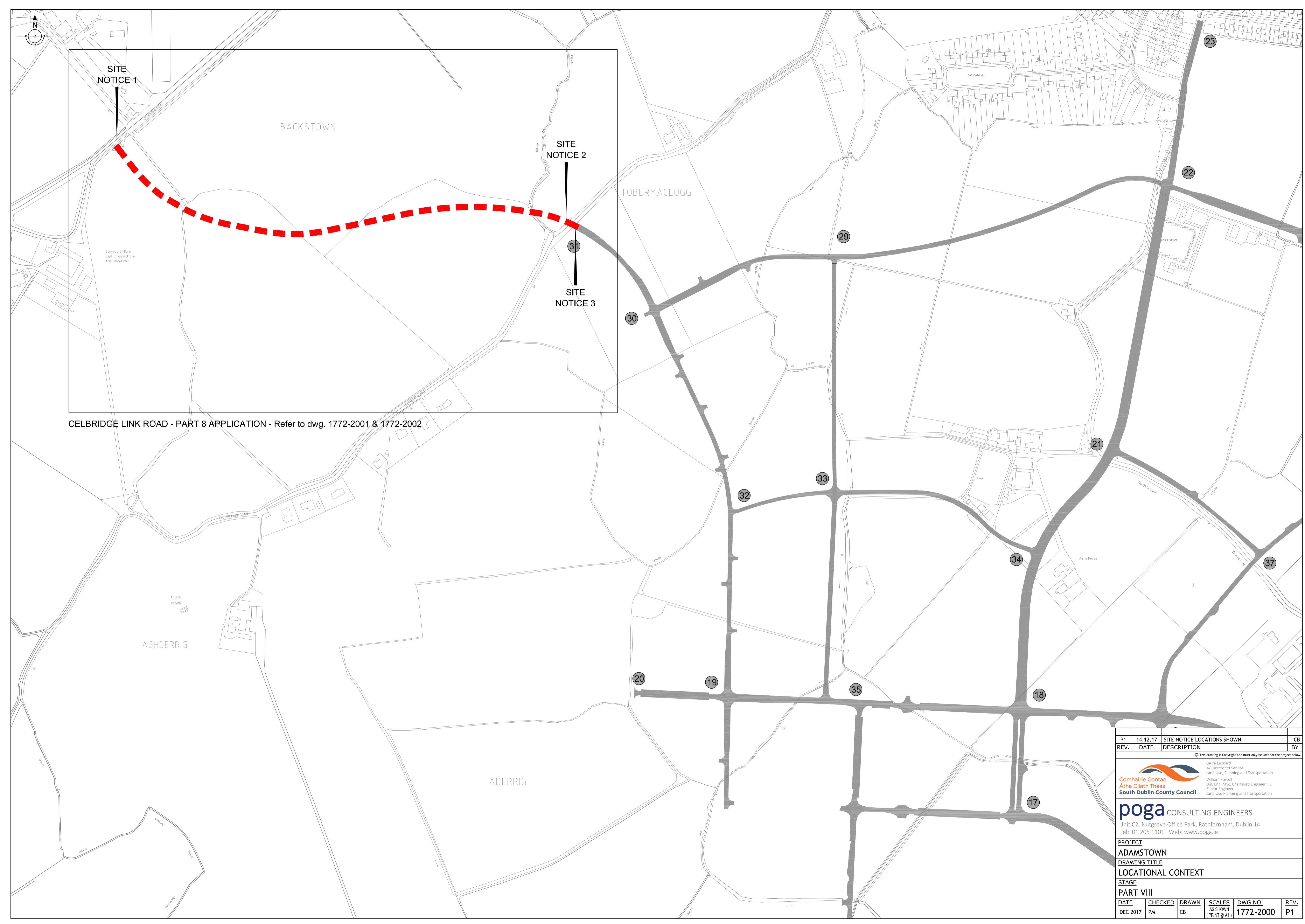


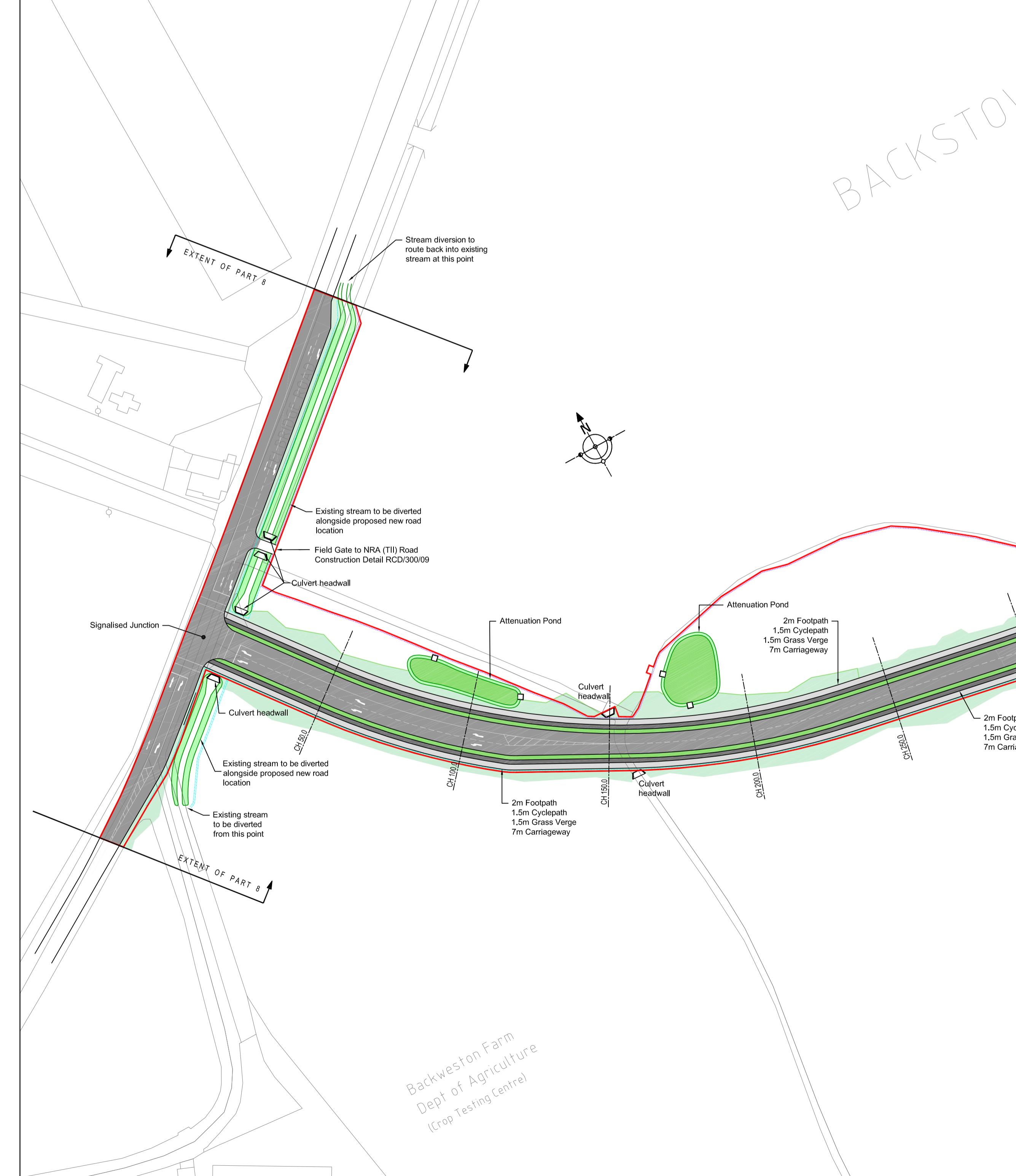
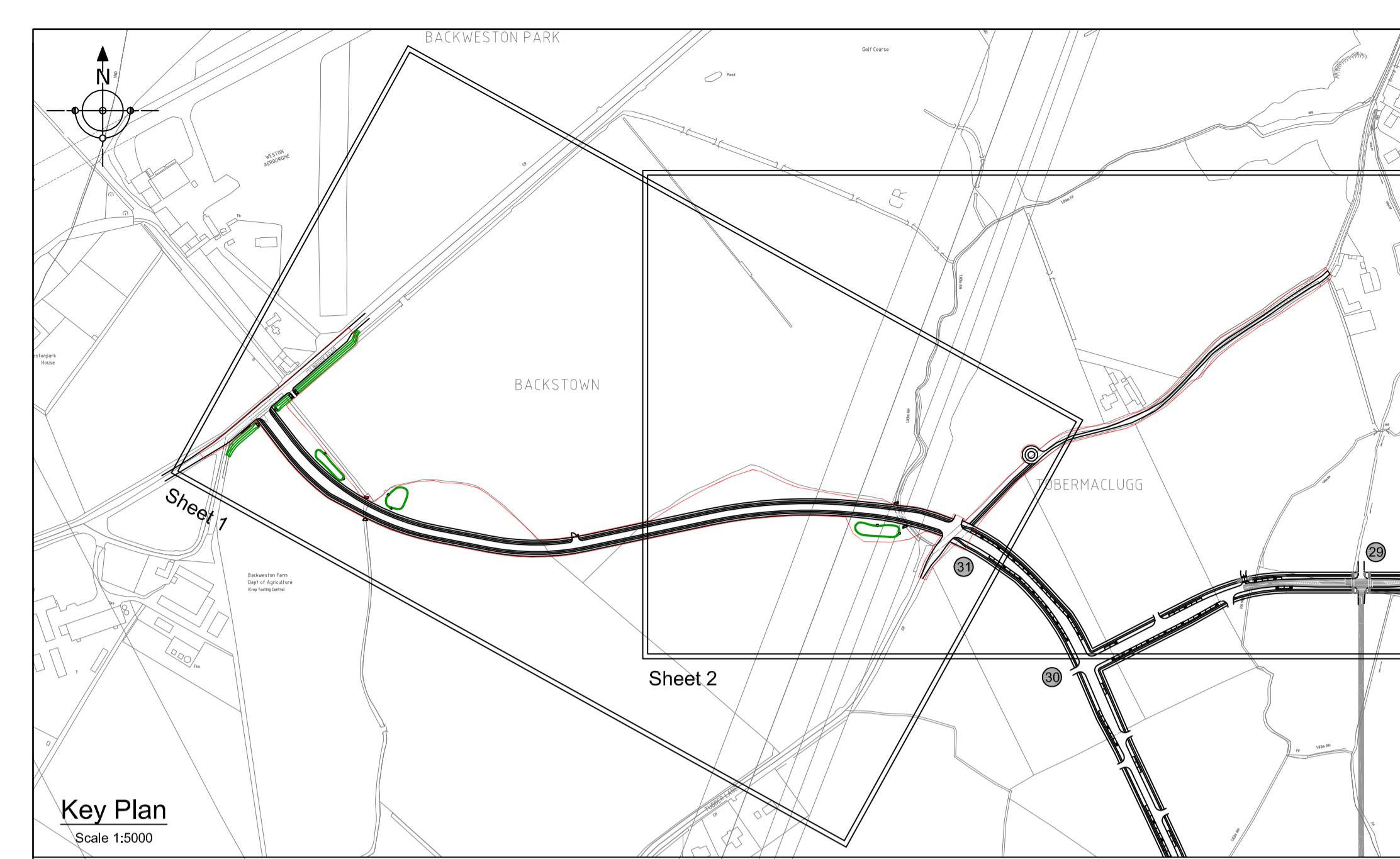
Tubber Lane - Celbridge Road (R403)

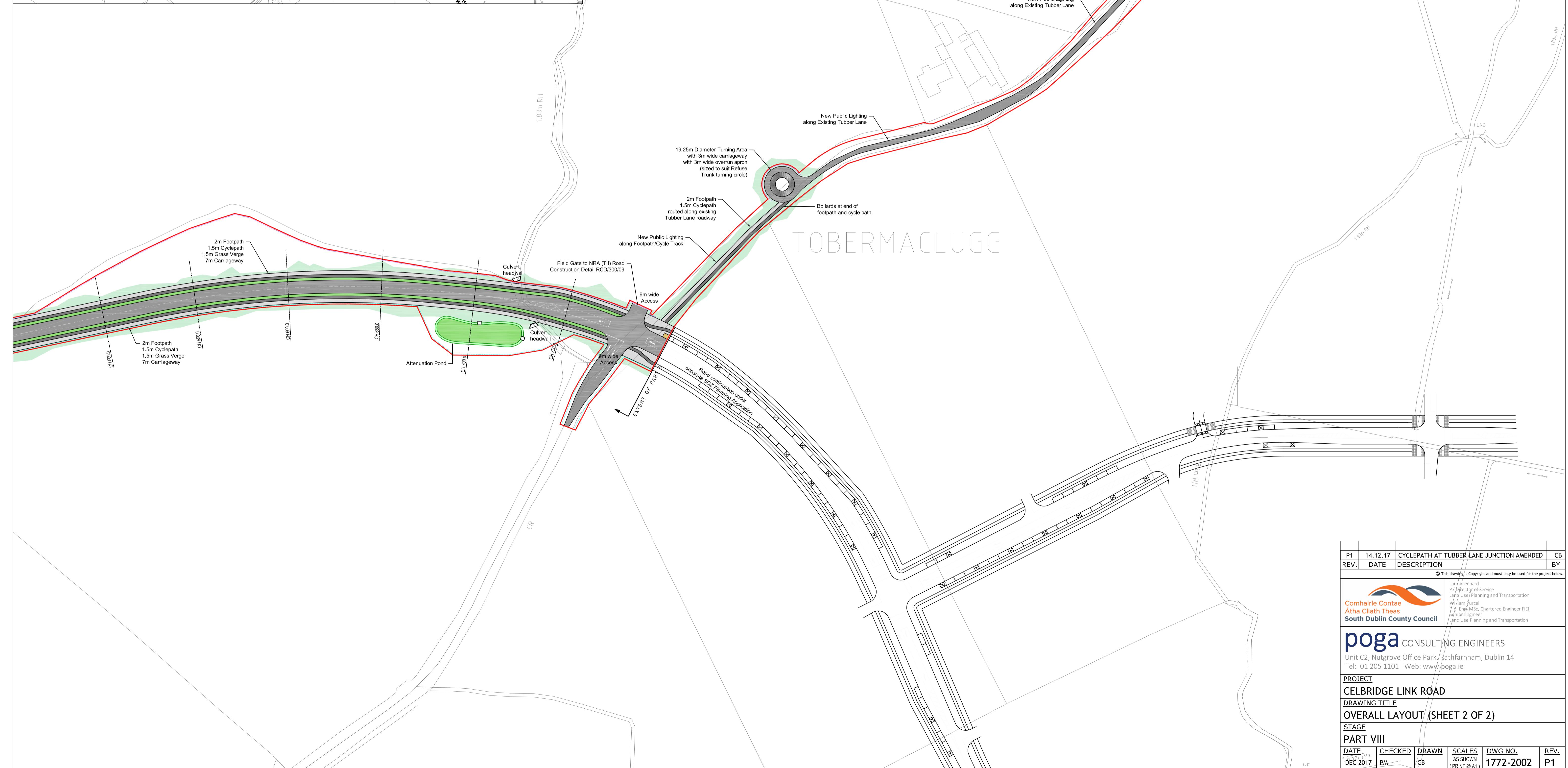
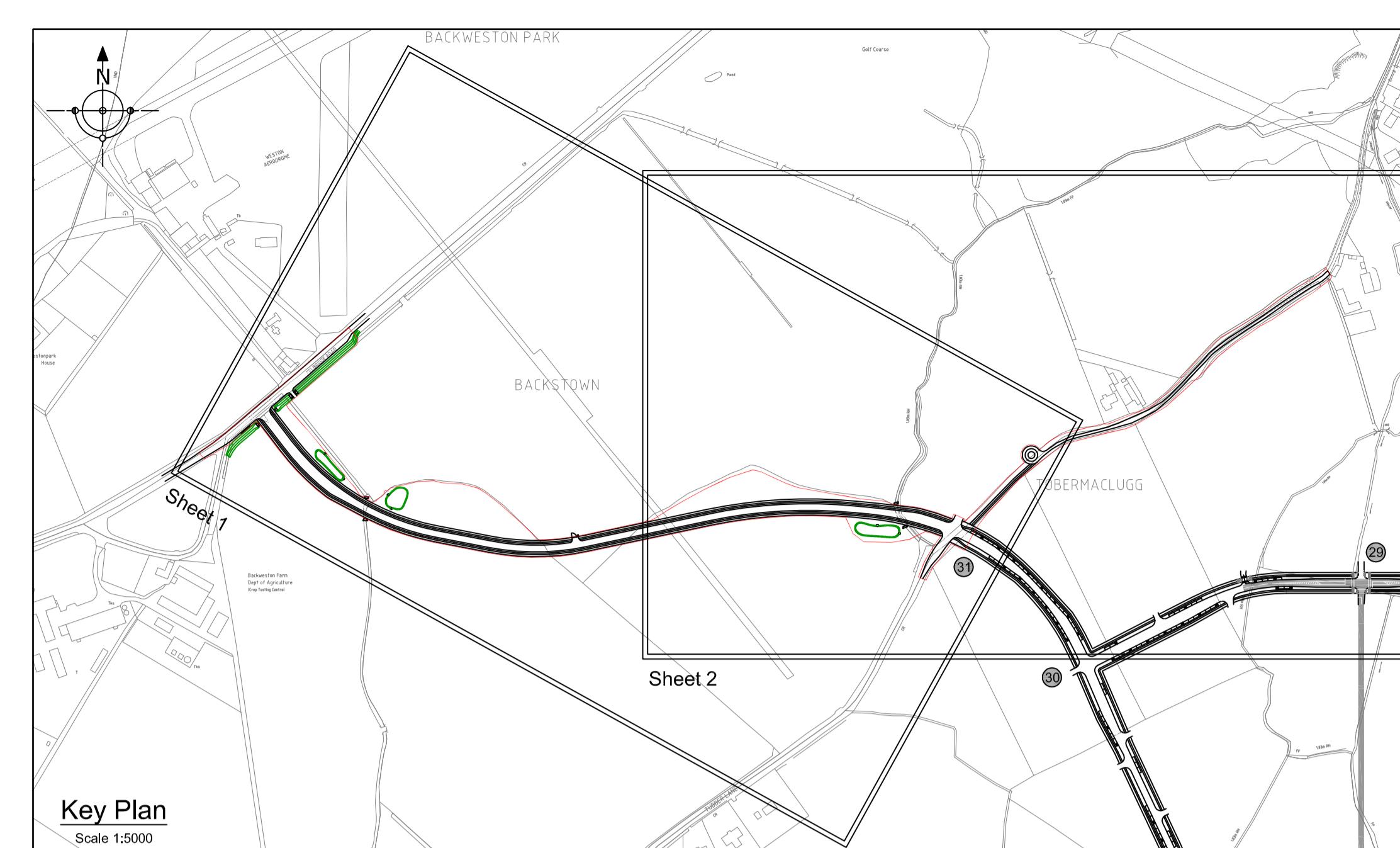
Book of Drawings – Contents

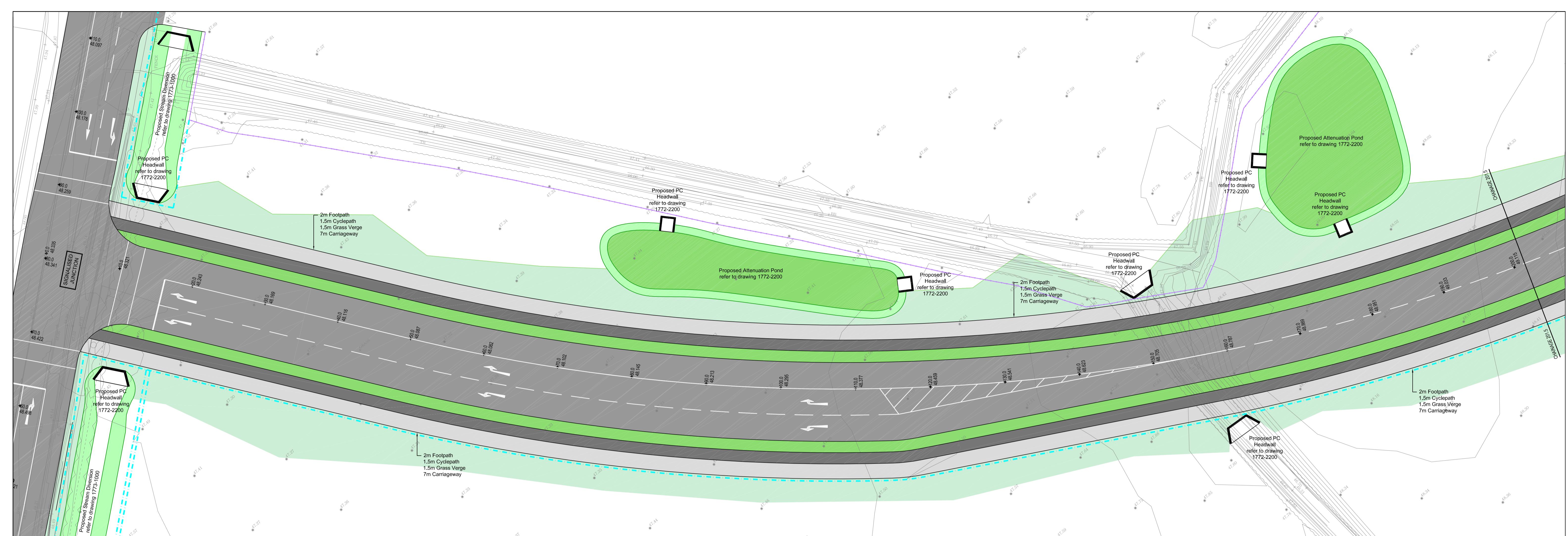
Consultant	Drawing No.	Content
Pat O'Gorman & Associates	1772-2000	Contextual Plan
Pat O'Gorman & Associates	1772-2001	Overall Plan
Pat O'Gorman & Associates	1772-2100	Road Layout & Long Section (Sheet 1 of 4)
Pat O'Gorman & Associates	1772-2101	Road Layout & Long Section (Sheet 2 of 4)
Pat O'Gorman & Associates	1772-2102	Road Layout & Long Section (Sheet 3 of 4)
Pat O'Gorman & Associates	1772-2103	Road Layout & Long Section (Sheet 4 of 4)
Pat O'Gorman & Associates	1772-2200	Surface Water Drainage Layout (Sheet 1 of 3)
Pat O'Gorman & Associates	1772-2201	Surface Water Drainage Layout (Sheet 2 of 3)
Pat O'Gorman & Associates	1772-2202	Surface Water Drainage Layout (Sheet 3 of 3)
Pat O'Gorman & Associates	1772-2300	Utilities Layout (Sheet 1 of 3)
Pat O'Gorman & Associates	1772-2301	Utilities Layout (Sheet 2 of 3)
Pat O'Gorman & Associates	1772-2302	Utilities Layout (Sheet 3 of 3)
Pat O'Gorman & Associates	1772-2400	Road Details
Ronan MacDiarmada + Associates Ltd.	No. 01	Landscape Masterplan
Ronan MacDiarmada + Associates Ltd.	No. 02	Part 8 – Landscape Masterplan
Ronan MacDiarmada + Associates Ltd.	No. 03	Part 8 – Landscape Details
Ronan MacDiarmada + Associates Ltd.	No. 04	Part 8 – Landscape Sections
Ronan MacDiarmada + Associates Ltd.	No. 05	Part 8 – Landscape Specifications











Plan - Road Section B

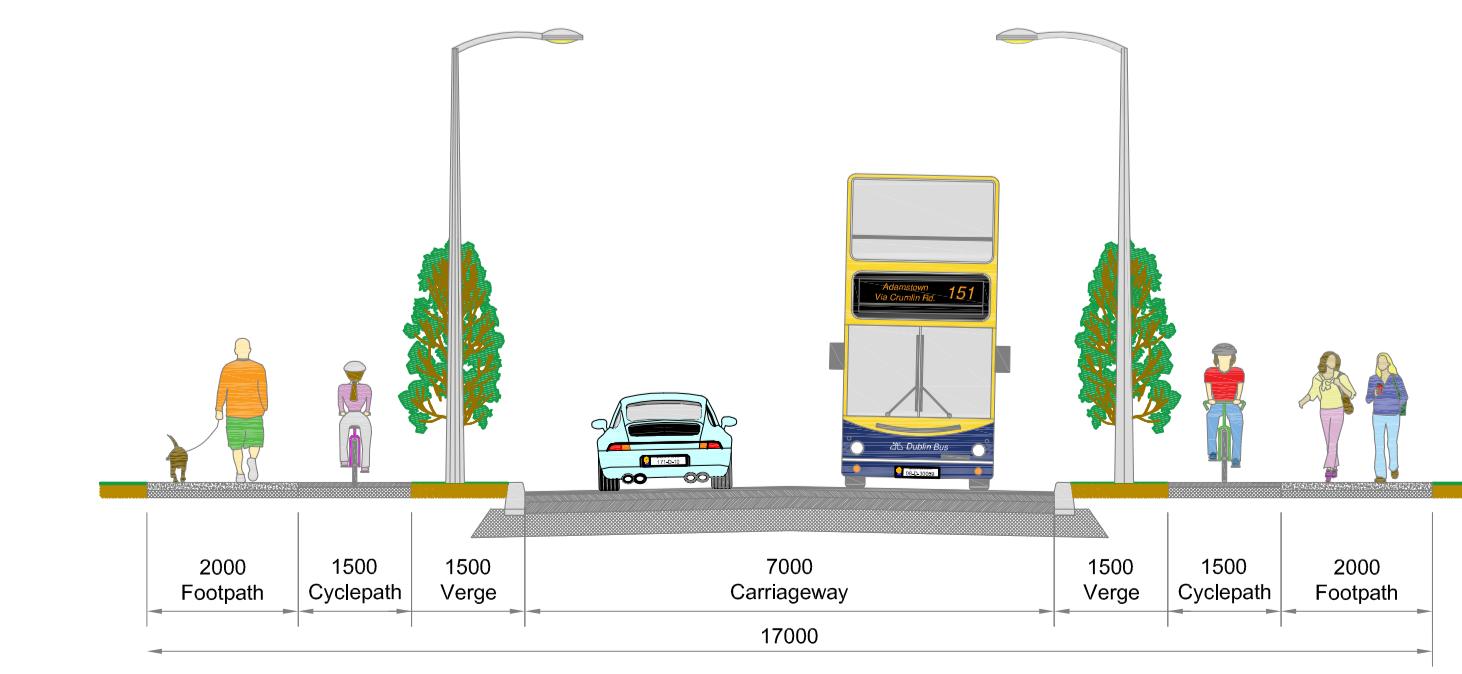
Scale 1:250

The figure is a topographic survey plot showing a road alignment. The plot includes a red centerline, a green profile line, and a green cross-section. The vertical axis is labeled 'METRAGE ON CENTRELINE (m)' and the horizontal axis is labeled 'LEVELS ON CENTRELINE'. The plot is divided into sections: 'EXISTING LEVELS (m)', 'HORIZONTAL DESIGN' (with 'STRAIGHT LENGTH = 41.769M'), 'VERTICAL DESIGN' (with 'GRADIENT -0.776% (1 in 128.876)' and 'LENGTH = 18.339M'), and 'SAG CURVE' (with 'R = 4134.959', 'L = 66.000', and 'GRADIENT 0.820% (1 in 12.20)' and 'LENGTH = 11.036M'). The plot also shows 'T.P.' (True Position) markers and elevation values for various points along the profile.

Section	Point	Metrage (m)	Existing Level (m)	Vertical Design (m)	Sag Curve (m)
EXISTING LEVELS (m)	T.P.	24.339	48.321		
	10.000	48.321			
HORIZONTAL DESIGN	47.500	48.321			
	47.473	48.321			
VERTICAL DESIGN	47.341	48.243	-0.776% (1 in 128.876)		
	47.336	48.243	LENGTH = 18.339M		
SAG CURVE	47.336	48.206		57.839	
	47.337	48.206		57.949	
SAG CURVE	47.338	48.16		57.839	
	47.339	48.16		57.949	
SAG CURVE	47.340	48.116		57.839	
	47.341	48.116		57.949	
SAG CURVE	47.342	48.081		57.839	
	47.343	48.081		57.949	
SAG CURVE	47.344	48.032		57.839	
	47.345	48.032		57.949	
SAG CURVE	47.346	47.982		57.839	
	47.347	47.982		57.949	
SAG CURVE	47.348	47.932		57.839	
	47.349	47.932		57.949	
SAG CURVE	47.350	47.882		57.839	
	47.351	47.882		57.949	
SAG CURVE	47.352	47.832		57.839	
	47.353	47.832		57.949	
SAG CURVE	47.354	47.782		57.839	
	47.355	47.782		57.949	
SAG CURVE	47.356	47.732		57.839	
	47.357	47.732		57.949	
SAG CURVE	47.358	47.682		57.839	
	47.359	47.682		57.949	
SAG CURVE	47.360	47.632		57.839	
	47.361	47.632		57.949	
SAG CURVE	47.362	47.582		57.839	
	47.363	47.582		57.949	
SAG CURVE	47.364	47.532		57.839	
	47.365	47.532		57.949	
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	47.367	47.482		57.949	
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	47.369	47.432		57.949	
SAG CURVE	47.370	47.382		57.839	
	47.371	47.382		57.949	
SAG CURVE	47.372	47.332		57.839	
	47.373	47.332		57.949	
SAG CURVE	47.374	47.282		57.839	
	47.375	47.282		57.949	
SAG CURVE	47.376	47.232		57.839	
	47.377	47.232		57.949	
SAG CURVE	47.378	47.182		57.839	
	47.379	47.182		57.949	
SAG CURVE	47.379	47.132		57.839	
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SAG CURVE	47.380	47.082		57.839	
	47.381	47.082		57.949	
SAG CURVE	47.382	47.032		57.839	
	47.383	47.032		57.949	
SAG CURVE	47.384	46.982		57.839	
	47.385	46.982		57.949	
SAG CURVE	47.386	46.932		57.839	
	47.387	46.932		57.949	
SAG CURVE	47.388	46.882		57.839	
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SAG CURVE	47.389	46.832		57.839	
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SAG CURVE	47.391	46.732		57.839	
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SAG CURVE	47.393	46.632		57.839	
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SAG CURVE	47.394	46.582		57.839	
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	47.400	46.332		57.949	
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SAG CURVE	47.402	46.182		57.839	
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SAG CURVE	47.403	46.132		57.839	
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SAG CURVE	47.404	46.082		57.839	
	47.405	46.082		57.949	
SAG CURVE	47.405	46.032		57.839	
	47.406	46.032		57.949	
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	47.407	45.982		57.949	
SAG CURVE	47.407	45.932		57.839	
	47.408	45.932		57.949	
SAG CURVE	47.408	45.882		57.839	
	47.409	45.882		57.949	
SAG CURVE	47.409	45.832		57.839	
	47.410	45.832		57.949	
SAG CURVE	47.410	45.782		57.839	
	47.411	45.782		57.949	
SAG CURVE	47.411	45.732		57.839	
	47.412	45.732		57.949	
SAG CURVE	47.412	45.682		57.839	
	47.413	45.682		57.949	
SAG CURVE	47.413	45.632		57.839	
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SAG CURVE	47.414	45.582		57.839	
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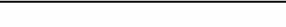
Road Section B - Long Section

Scale: Horizontal 1:250 Vertical 1:500



Typical Road Cross Section

P1	14.12.17	CYCLEPATH AT TUBBER LANE JUNCTION AMENDED	CB
REV.	DATE	DESCRIPTION	BY

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Comhairle Contae
Átha Cliath Theas
South Dublin County Council

poga CONSULTING ENGINEERS

Unit C2, Nutgrove Office Park, Rathfarnham, Dublin 14
Tel: 01 205 1101 Web: www.poga.ie

PROJECT **CELBRIDGE LINK ROAD**

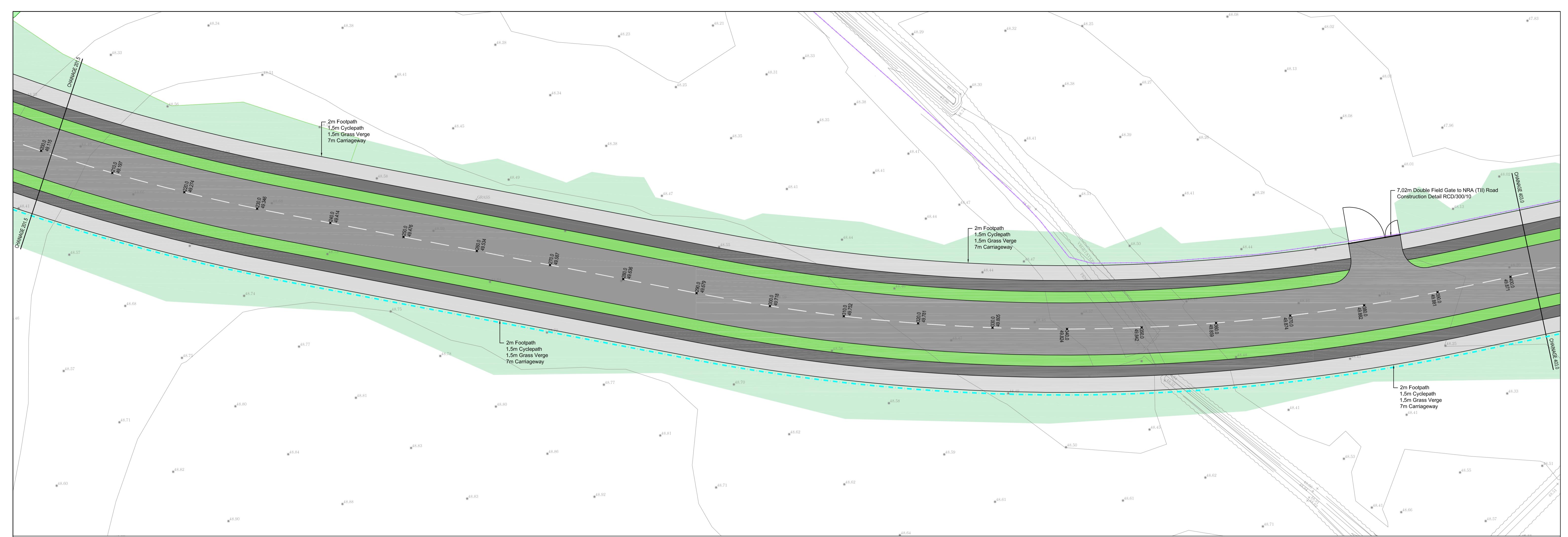
DRAWING TITLE

ROAD LAYOUT & LONG SECTION (STREET 1)

PART VIII

DATE	CHECKED	DRAWN	SCALES	DWG NO.	RE
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DEC 2017	PM	CB	AS SHOWN (PRINT @ A1)	1772-2100	P1
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Plan - Road Section C

METRAGE ON CENTRELINE (m)

LEVELS ON CENTRELINE

VERTICAL DESIGN

HORIZONTAL DESIGN

EXISTING LEVELS (m)

HOG CURVE
GRADIENT
R = 20831.981
L = 135.000
SLOPE = 0.1% in 1:56 (0.38%)
LE = GT = H = 2.88M

R = 255.0
L = 133.3
CURVE

STRAIGHT LENGTH = 57.952M

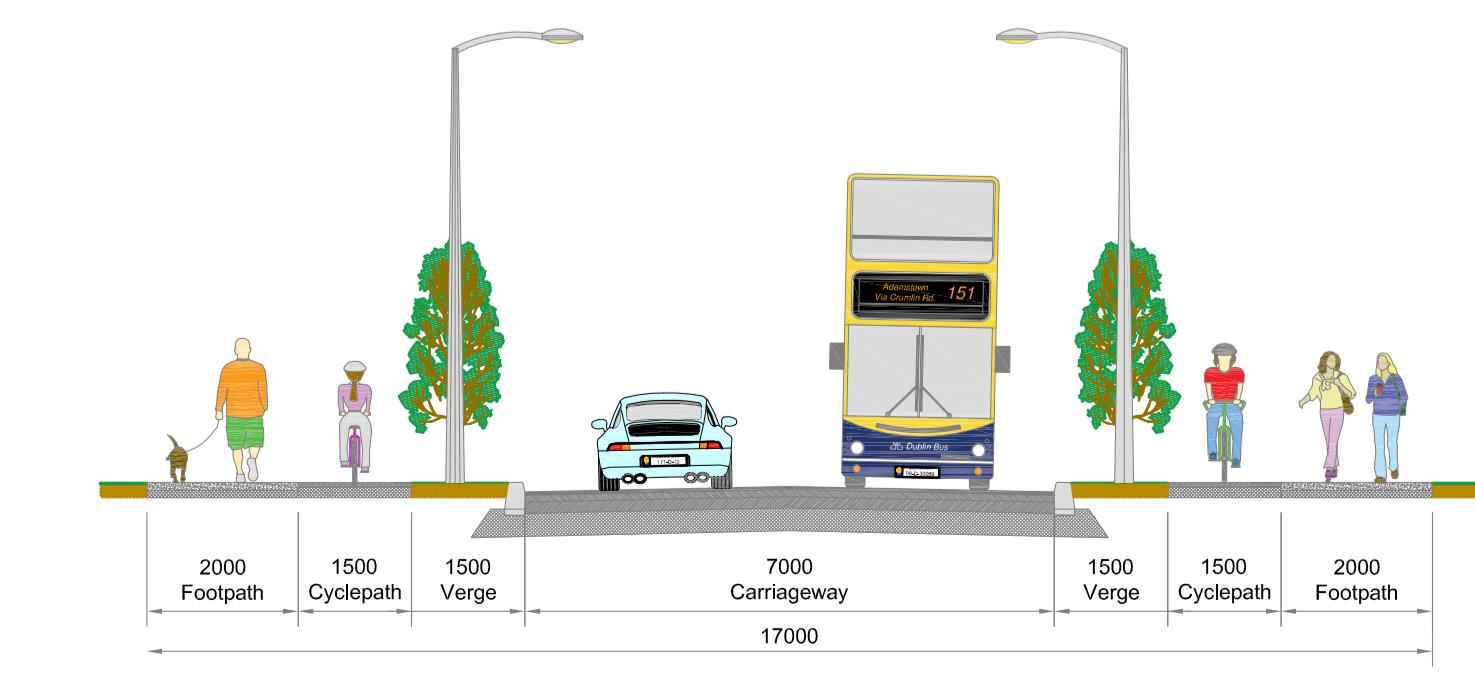
I.P. I = 49.708

T.P.

I.P. I = 49.708

Road Section C - Long Section

Scale: Horizontal 1:250 Vertical 1:500



Typical Road Cross Section

Typical Road Cross Section

P1	14.12.17	CYCLEPATH AT TUBBER LANE JUNCTION AMENDED	CB
REV.	DATE	DESCRIPTION	BY

 <p>Comhairle Contae Átha Cliath Theas South Dublin County Council</p>	<p>Laura Leonard A/ Director of Service Land Use, Planning and Transportation</p> <p>William Purcell Dip. Eng, MSc, Chartered Engineer FIEI Senior Engineer Land Use Planning and Transportation</p>
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poga CONSULTING ENGINEERS

Unit C2, Nutgrove Office Park, Rathfarnham, Dublin 14
Tel: 01 205 1101 Web: www.poga.ie

PROJECT

CELBIDGE LINK ROAD

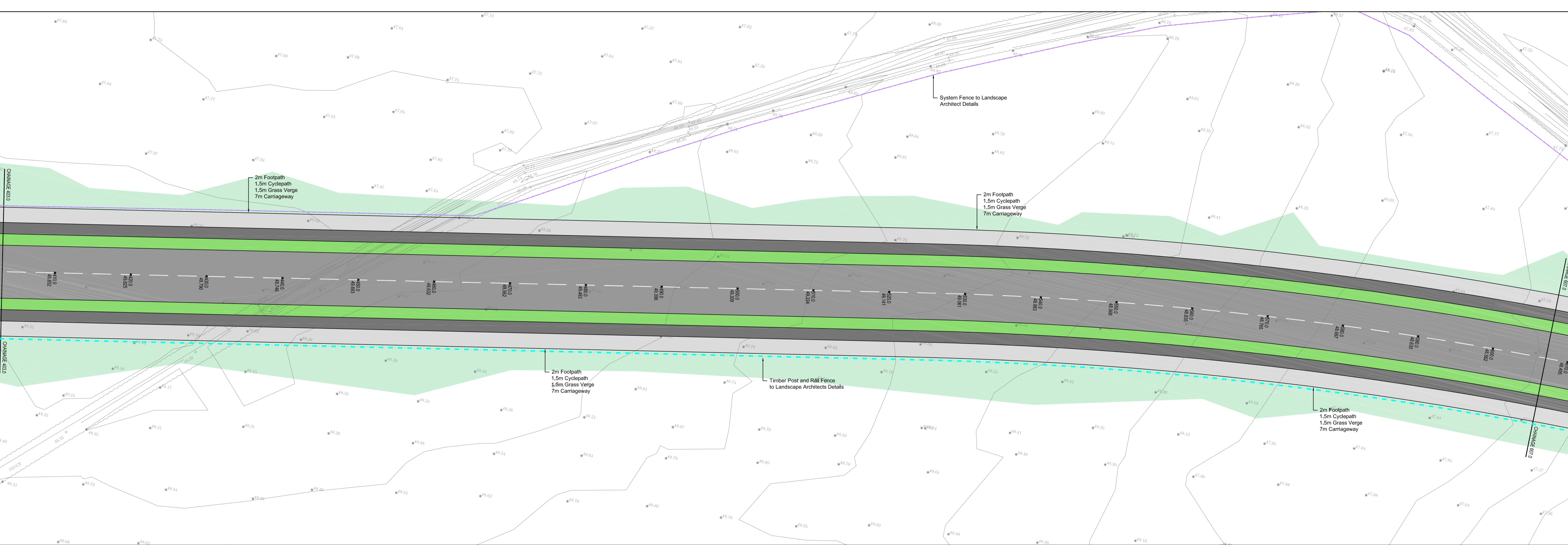
DRAWING TITLE

ROAD LAYOUT & LONG SECTION (SHEET

STAGE **PART VIII**

DATE	CHECKED	DRAWN	SCALES	DWG NO.
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DEC 2017 PM CB AS SHOWN (PRINT @ A1) 1772-210

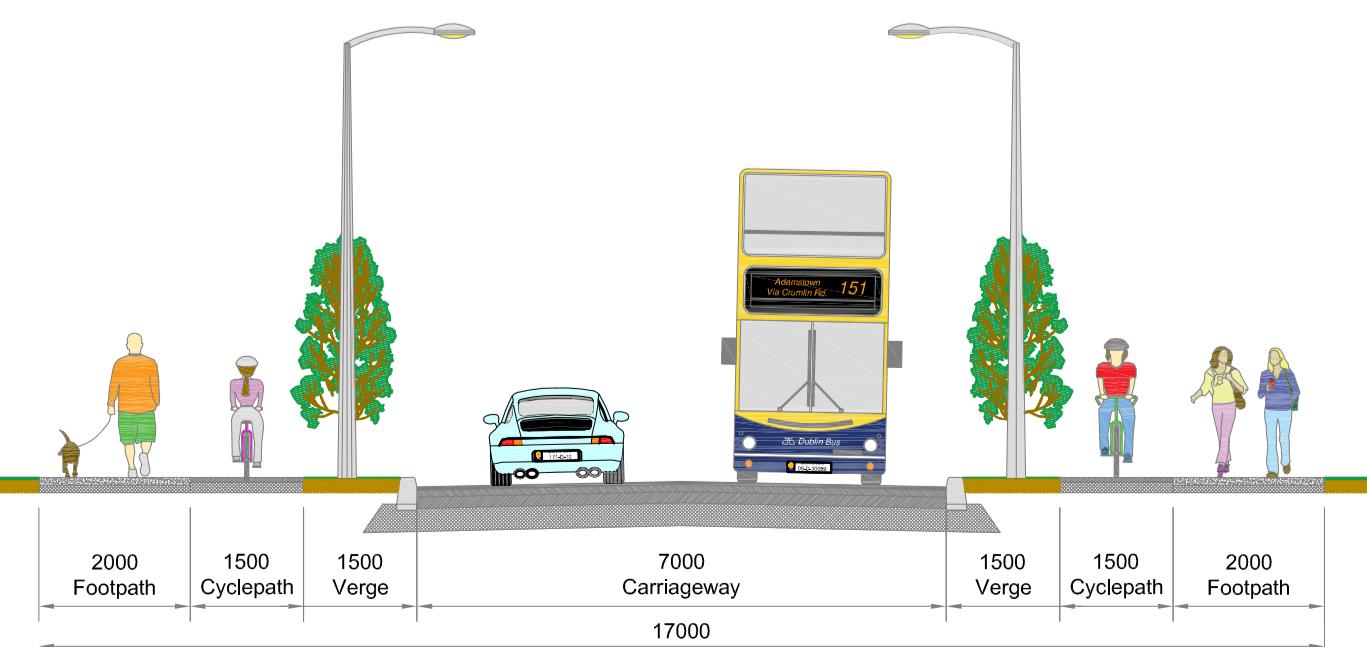
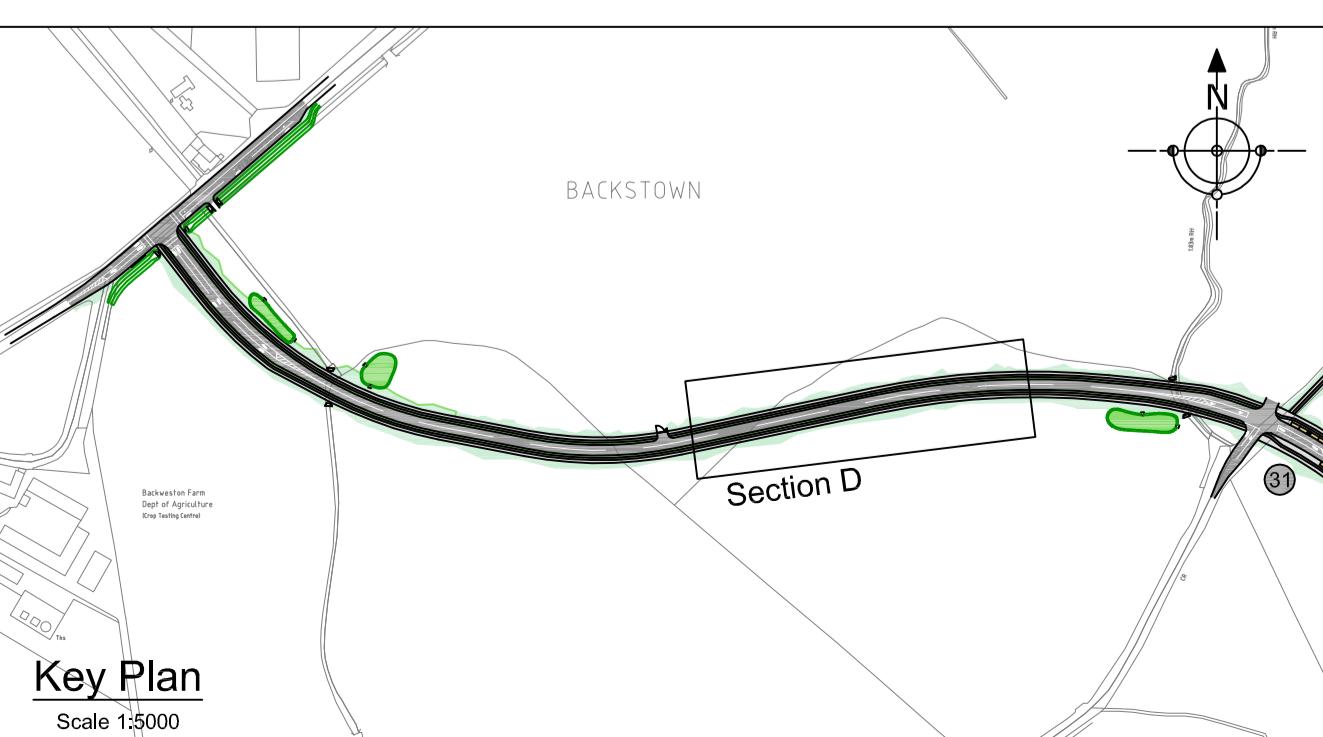


Plan - Road Section D

Scale 1:250

Road Section D - Long Section

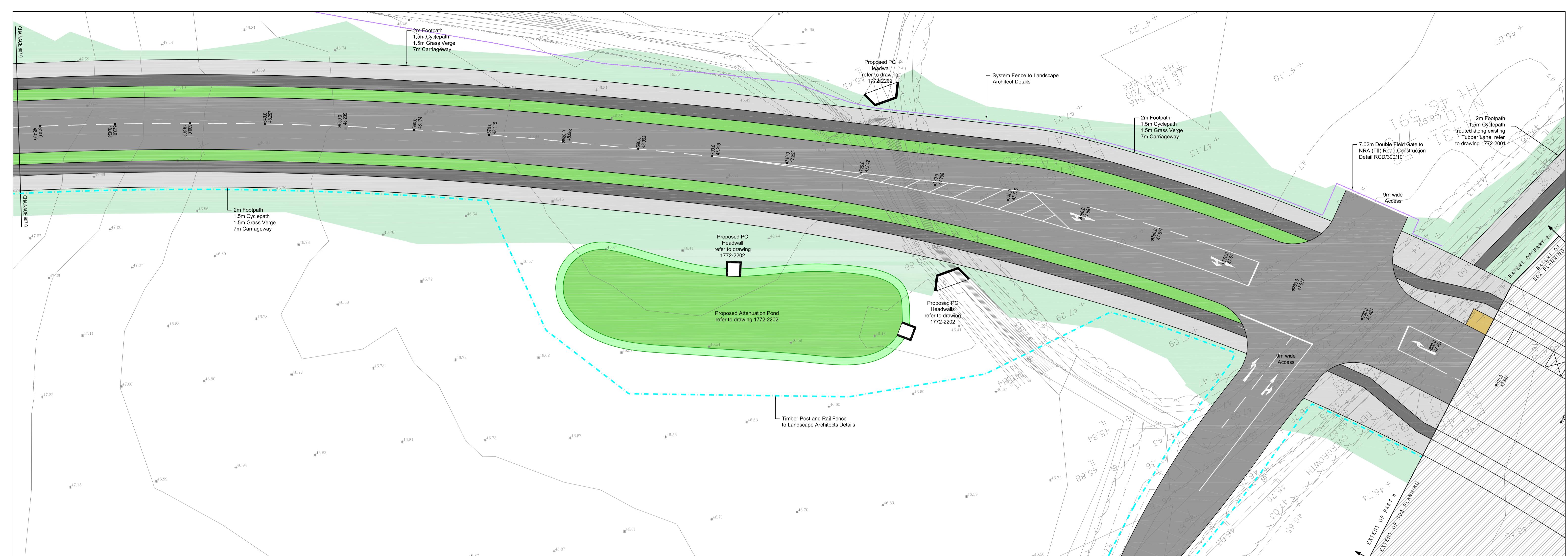
Scale: Horizontal 1:250 Vertical 1:500



Typical Road Cross Section

Typical Road Cross Section

P1	14.12.17	CYCLEPATH AT TUBBER LANE JUNCTION AMENDED			CB
REV.	DATE	DESCRIPTION			BY
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 Comhairle Contae Atha Cliath Theas South Dublin County Council			Laura Leonard A/ Director of Service Land Use, Planning and Transportation William Purcell Dip. Eng, MSc, Chartered Engineer FIEI Senior Engineer Land Use Planning and Transportation		
<h1>poga</h1> CONSULTING ENGINEERS Unit C2, Nutgrove Office Park, Rathfarnham, Dublin 14 Tel: 01 205 1101 Web: www.poga.ie					
<u>PROJECT</u> CELBIDGE LINK ROAD					
<u>DRAWING TITLE</u> ROAD LAYOUT & LONG SECTION (SHEET 3 OF 4)					
<u>STAGE</u>					
PART VIII					
DATE	CHECKED	DRAWN	SCALES	DWG NO.	REV.
DEC 2017	PM	CB	AS SHOWN (PRINT @ A1)	1772-2102	P1



Plan - Road Section E

Scale 1:25

METRAGE ON CENTRELINE (m)

LEVELS ON CENTRELINE

VERTICAL DESIGN

HORIZONTAL DESIGN

EXISTING LEVELS (m)

SAG CURVE
R = 54729.710
L = 75.00

STRAIGHT
LENGTH = 27.837M

GRADIENT
-0.53% (-1 in 186.82)
LENGTH = 56.458M

HOG UFG
R = 312121.59
L = 5.17

T.P.

I.P. L = 18.178

L.P.

T.R.

46.883

46.855

46.801

46.766

46.737

46.702

46.673

46.651

46.633

46.554

46.440

46.444

46.381

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47.910</b

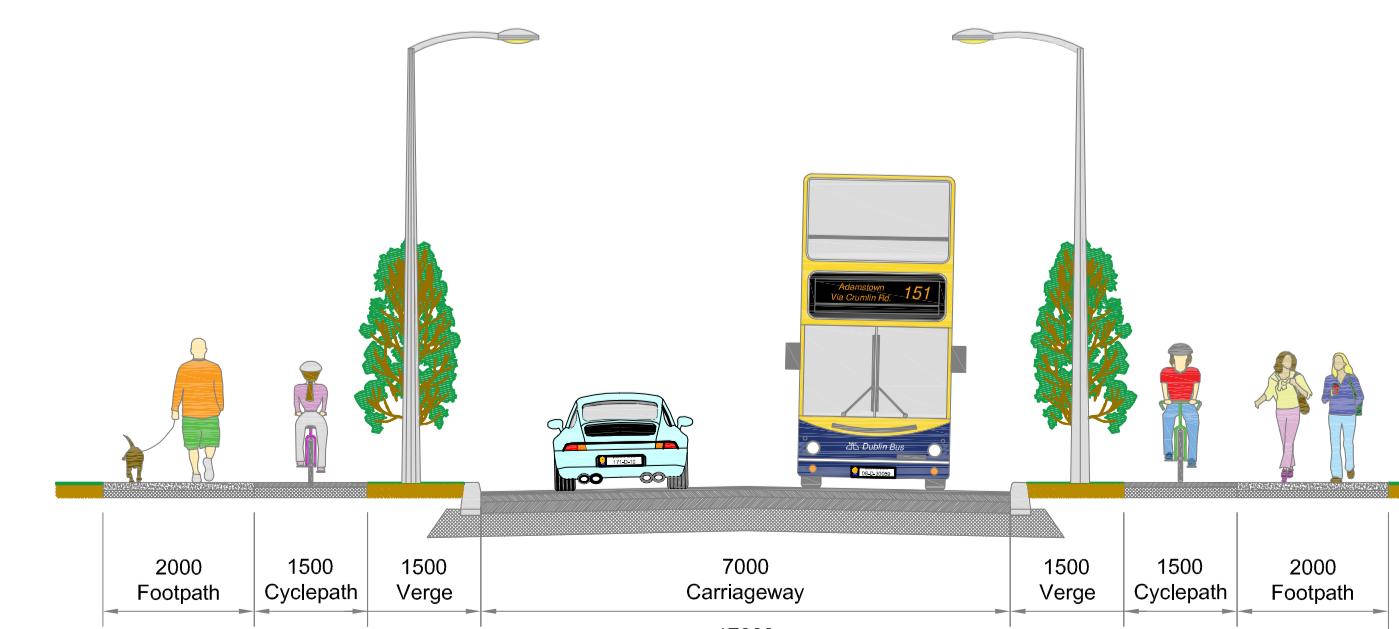
Road Section E - Long Section

Scale: Horizontal 1:250 Vertical 1:50



17000

Typical Road Cross Section



REV.	DATE	DESCRIPTION	CB
P1	14.12.17	CYCLEPATH AT TUBBER LANE JUNCTION AMENDED	

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Laura Leonard
A/ Director of Service
Land Use, Planning and Transportation
William Purcell
Dip. Eng, MSc, Chartered Engineer FIEI
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PROJECT

CELBRIDGE LINK ROAD

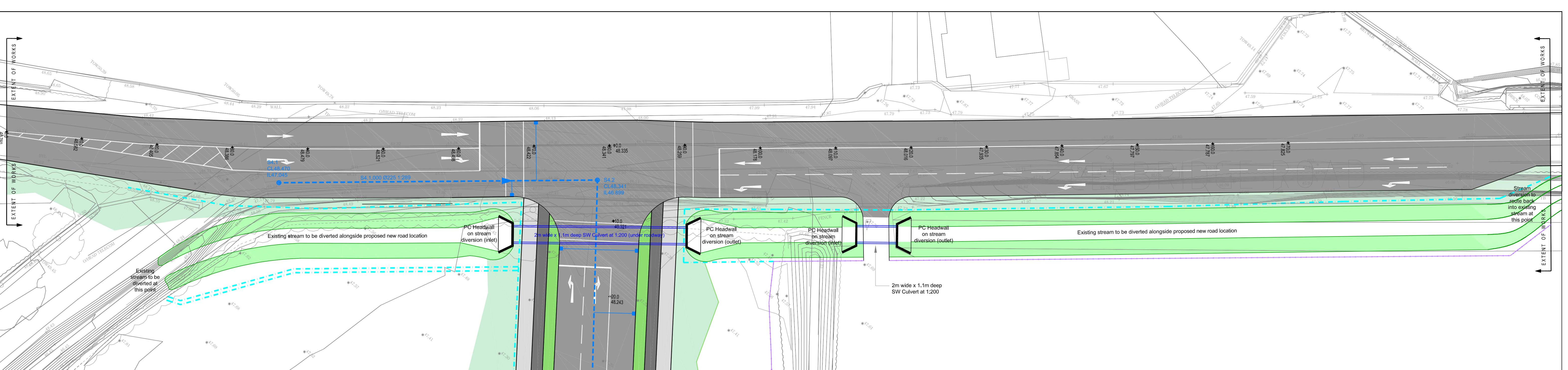
DRAWING TITLE

ROAD LAYOUT & LONG SECTION (SHEET 4 OF 4)

STAGE PART VIII

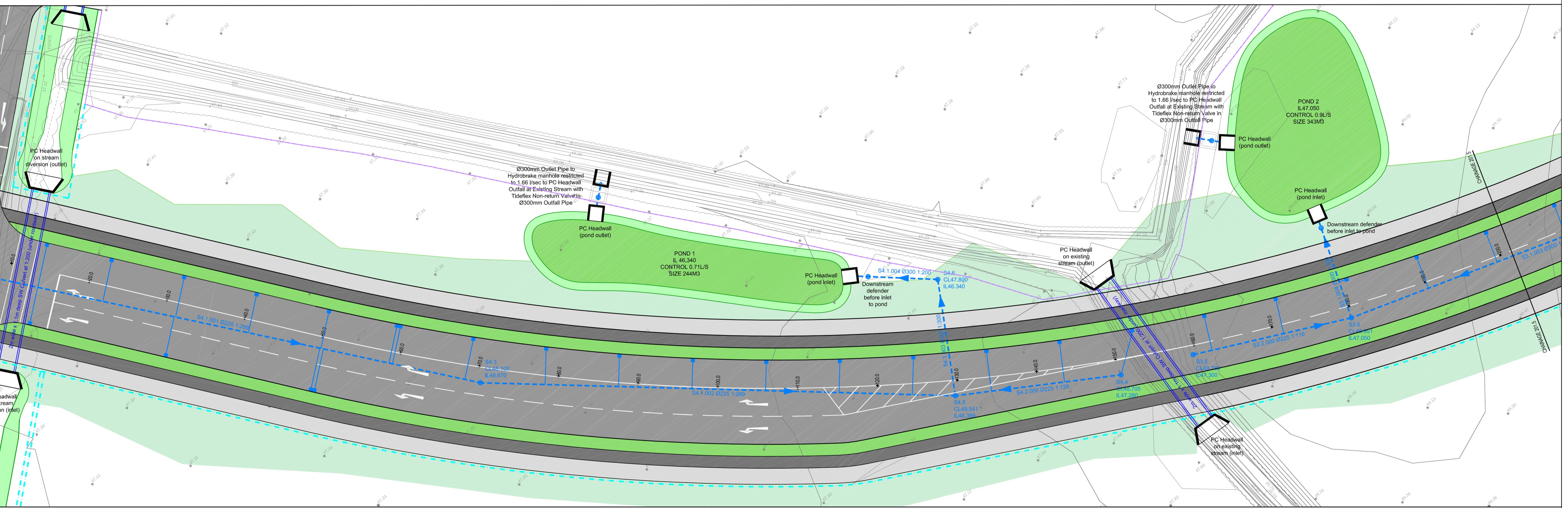
DATE	CHECKED	DRAWN	SCALES	DWG NO.
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DEC 2017 PM CB AS SHOWN (PRINT @ A1) 1772-2103



Plan - Road Section A

Scale 1:250



Plan - Road Section B

Scale 1:250

P1	14.12.17	CYCLEPATH AT TUBBER LANE JUNCTION AMENDED	CB
REV.	DATE	DESCRIPTION	BY

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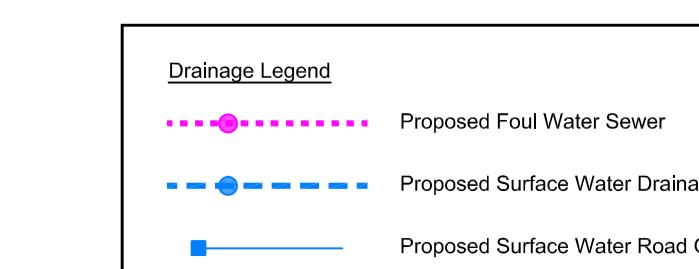
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WING TITLE
WING LAYOUT (SHEET 1 OF 3)

GE **RT VIII**

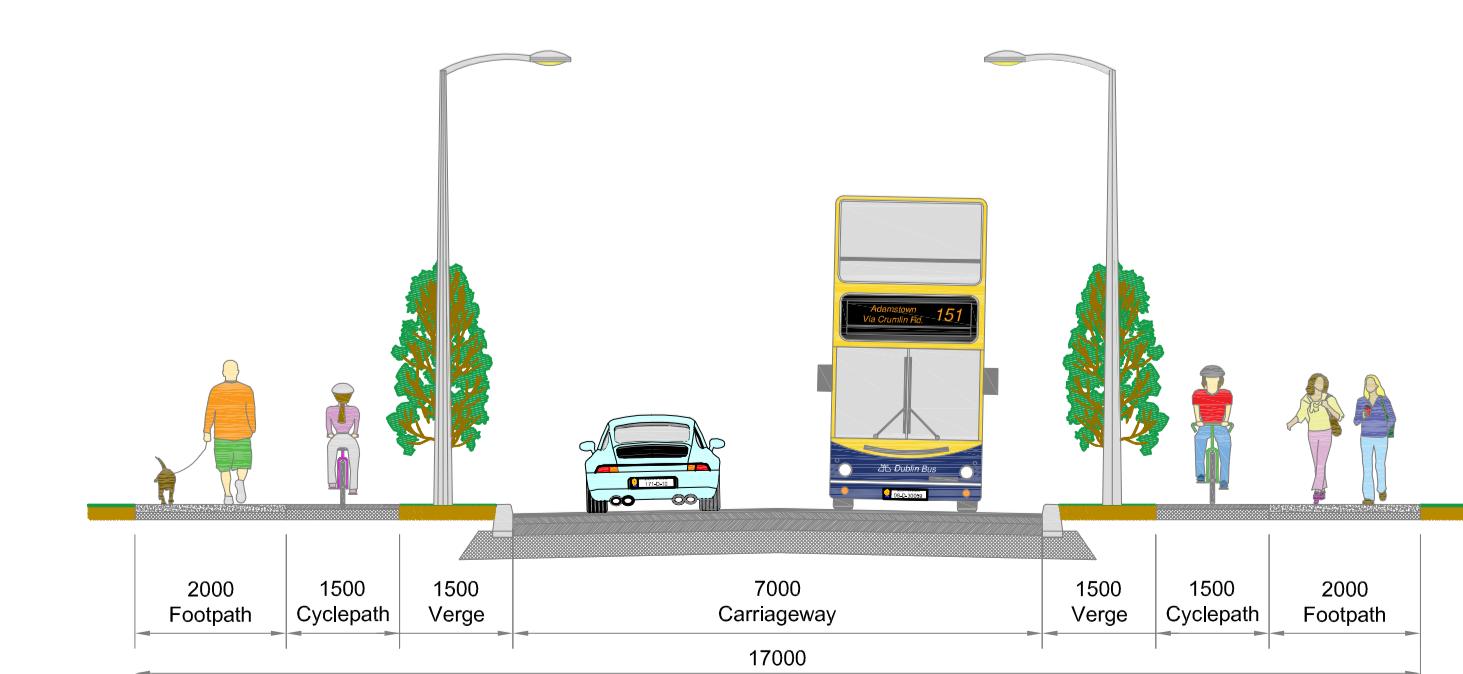
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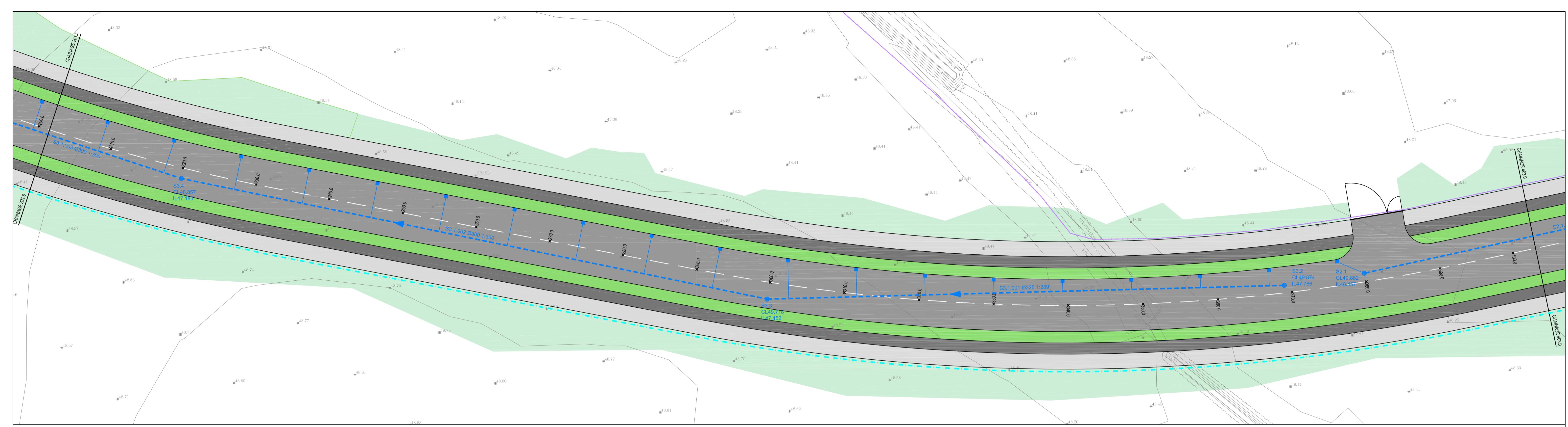
1 2017 | PM | CB | AS SHOWN (PRINT @ A1) | 1772-220



Typical Road Cross Section

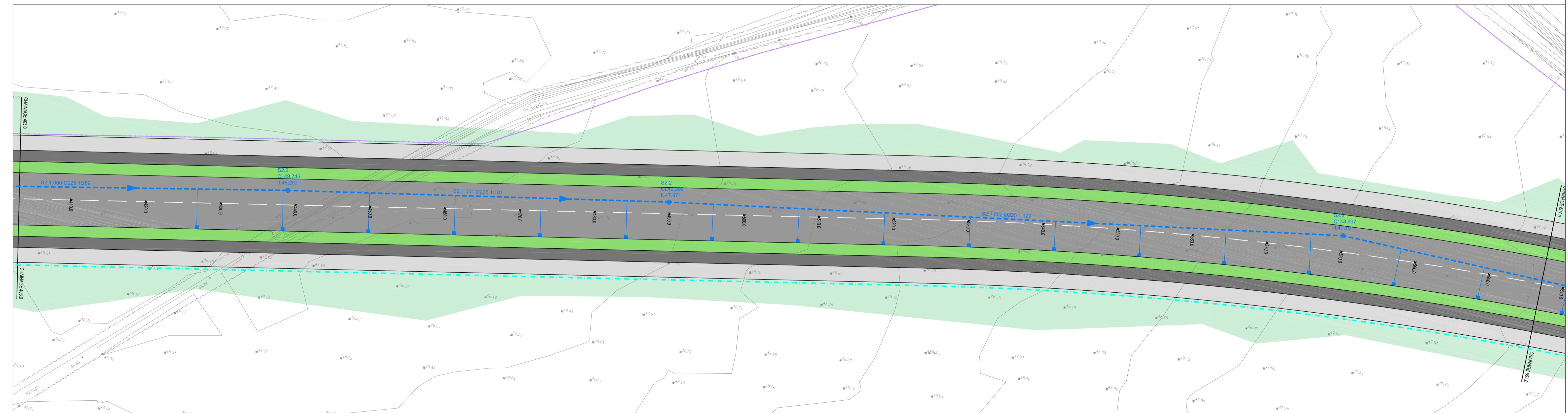
Scale 1:100





Plan - Road Section C

Scale 1:250



Plan - Road Section D

Scale 1:250

P1	14.12.17	CYCLEPATH AT TUBBER LANE JUNCTION AMENDED	CB
REV	DATE	DESCRIPTION	PX

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PROJECT

CELBRIDGE LINK ROAD

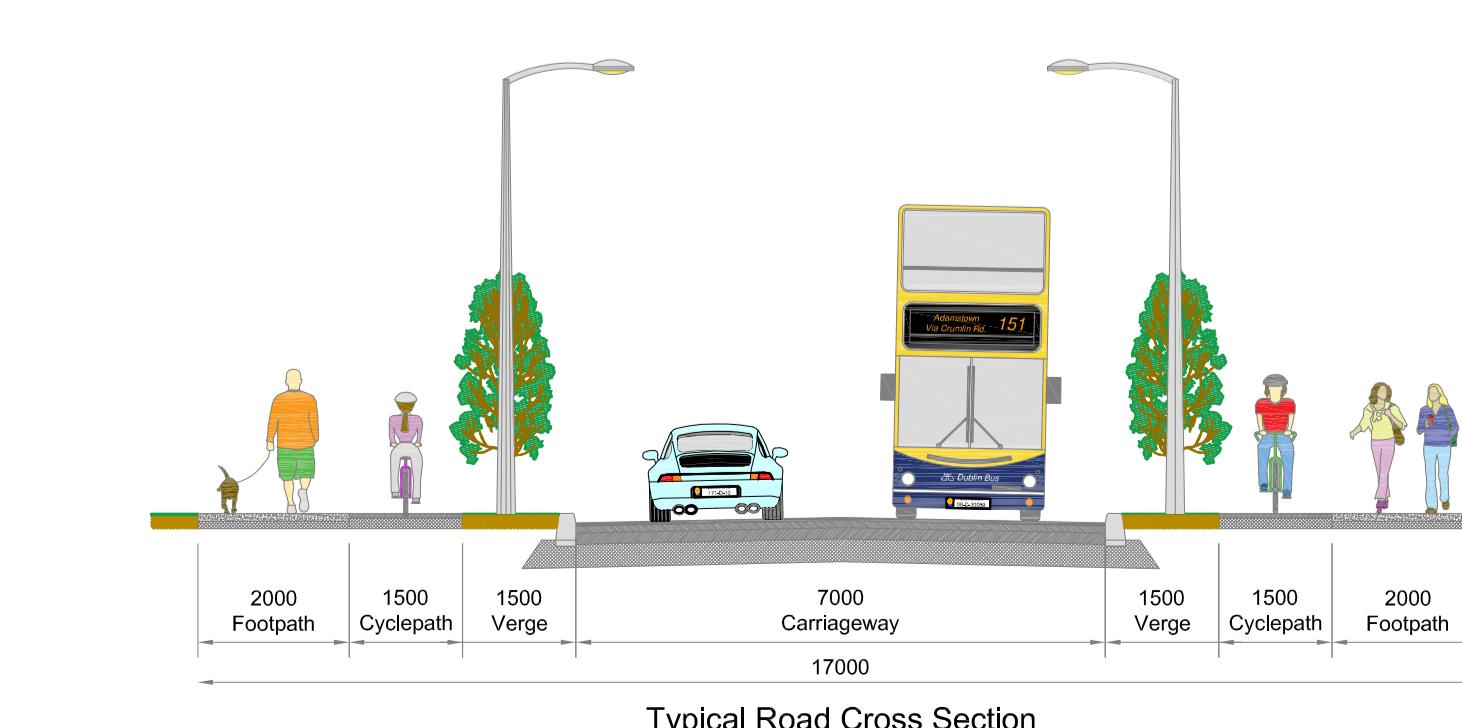
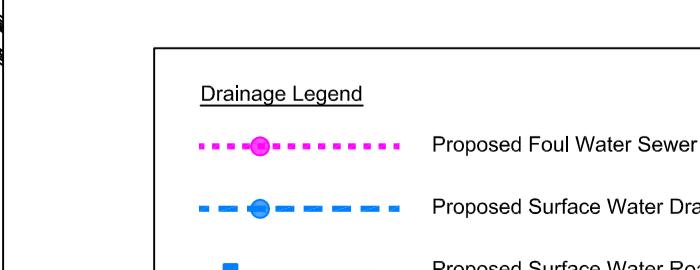
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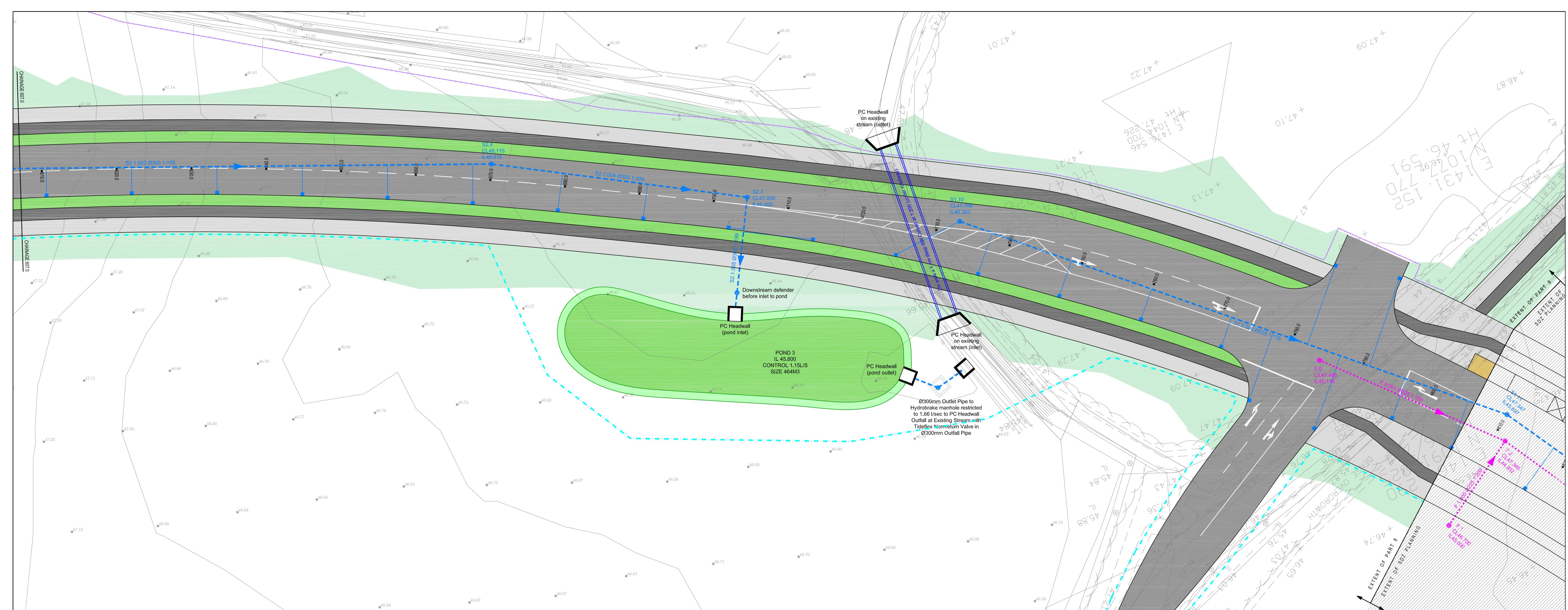
DRAINAGE LAYOUT (SHEET 2 OF 3)

STAGE PART VIII

DATE	CHECKED	DRAWN	SCALES	DWG NO.	REMARKS
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DEC 2017 PM CB AS SHOWN (PRINT @ A1) 1772-2201





Plan - Road Section E

Scale 1:250

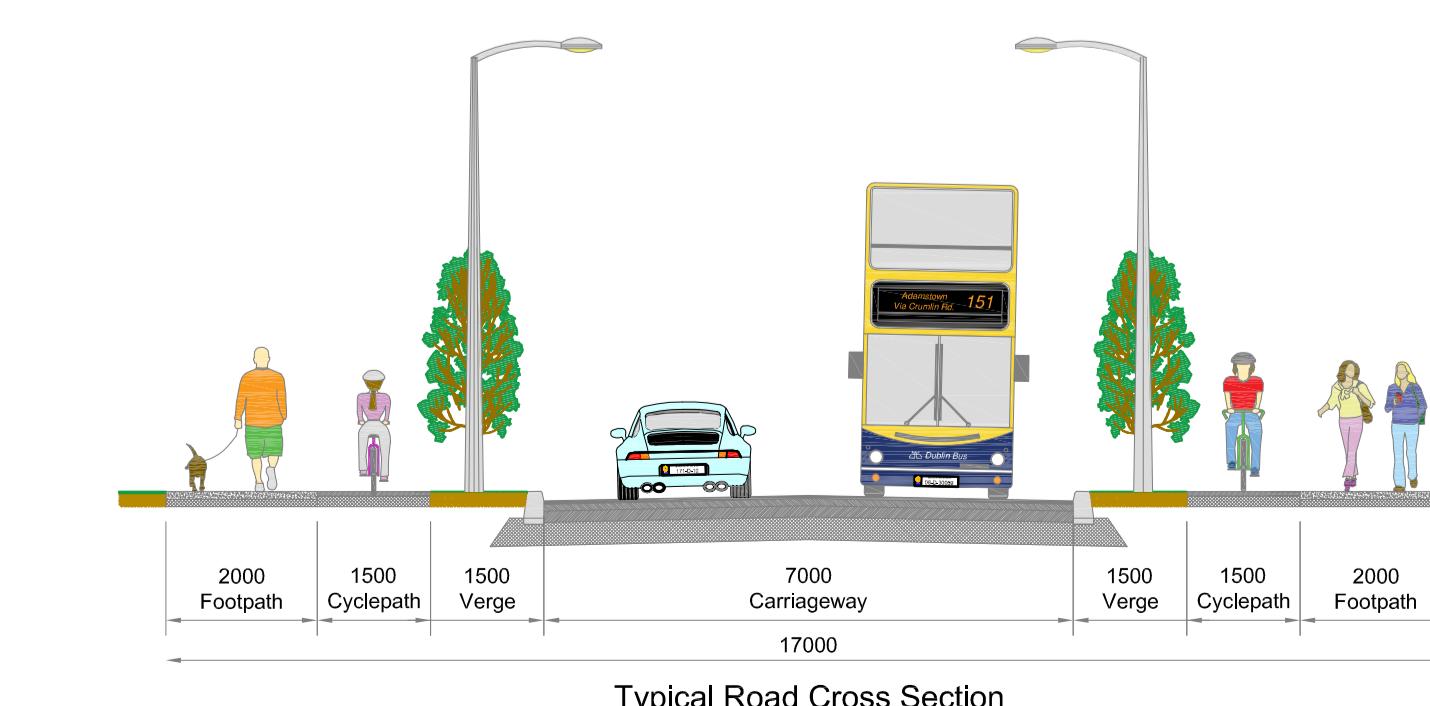
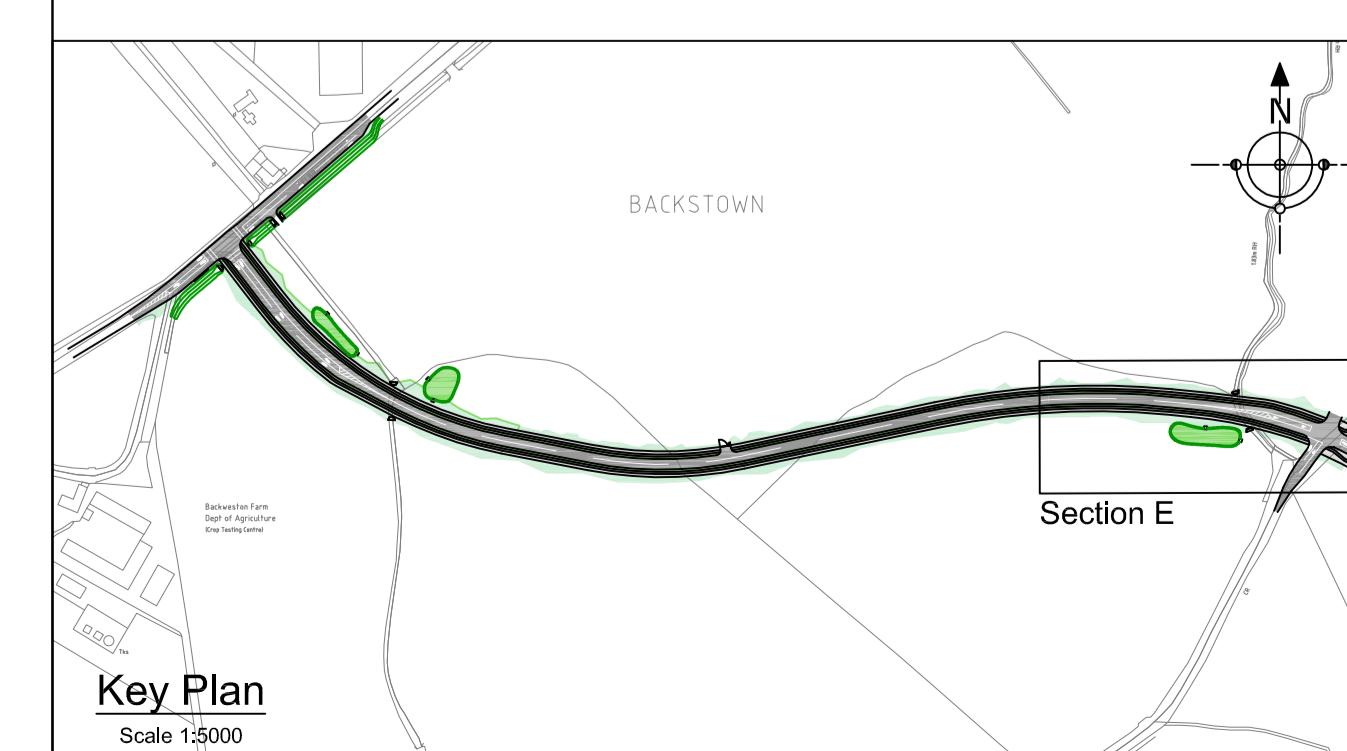
P1 14.12.17 CYCLEPATH AT TUBBER LANE JUNCTION AMENDED CB
 REV. DATE DESCRIPTION BY
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 Water, Planning and Environment
 Dip. Eng. MSc, Chartered Engineer FIR
 Senior Engineer
 Land Use Planning and Transportation

Comhairle Contae
 Átha Cliath Theas
 South Dublin County Council

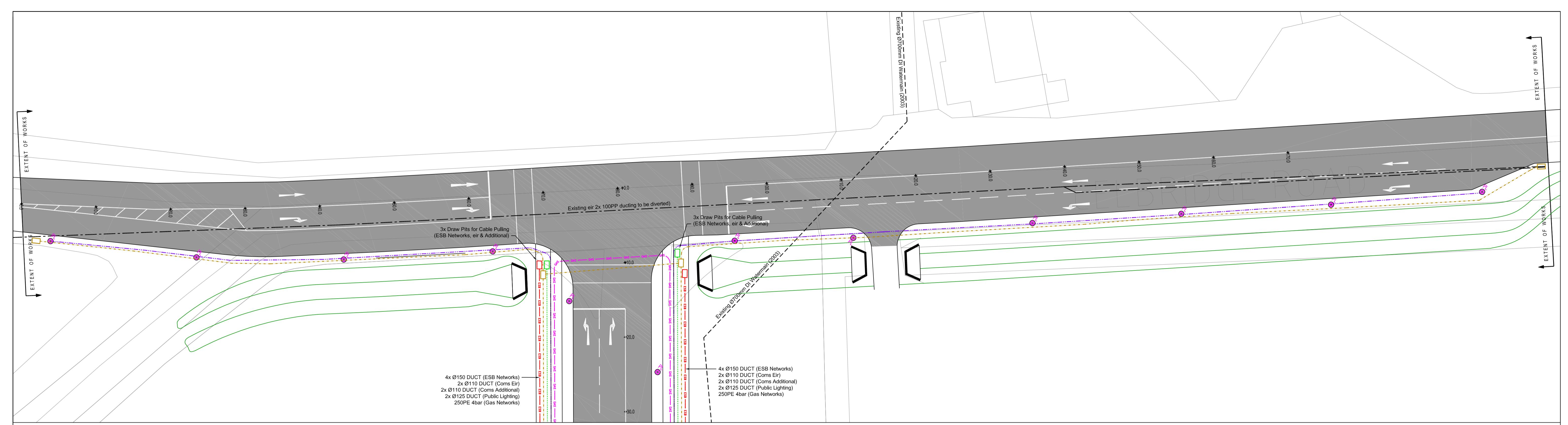
poga CONSULTING ENGINEERS
 Unit C2, Nutgrove Office Park, Rathfarnham, Dublin 14
 Tel: 01 205 1101 Web: www.poga.ie

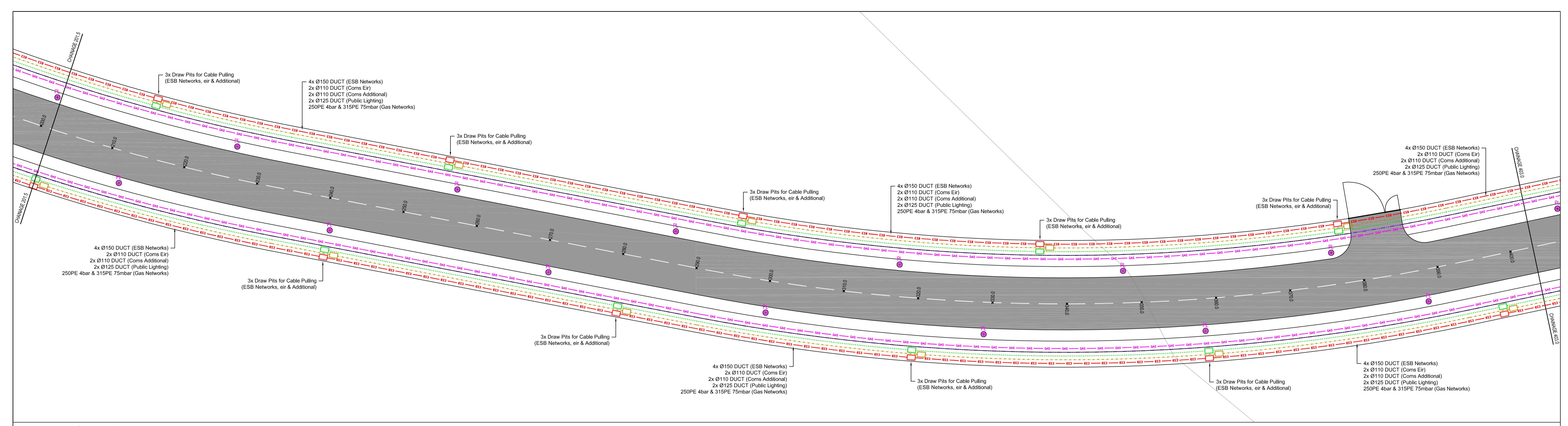
PROJECT
 CELBRIDGE LINK ROAD
 DRAWING TITLE
 DRAINAGE LAYOUT (SHEET 3 OF 3)
 STAGE
 PART VIII
 DATE CHECKED DRAWN SCALES DWG NO.
 DEC 2017 PM CB AS SHOWN (PRINT @ A1) 1772-2202 REV. P1



Typical Road Cross Section

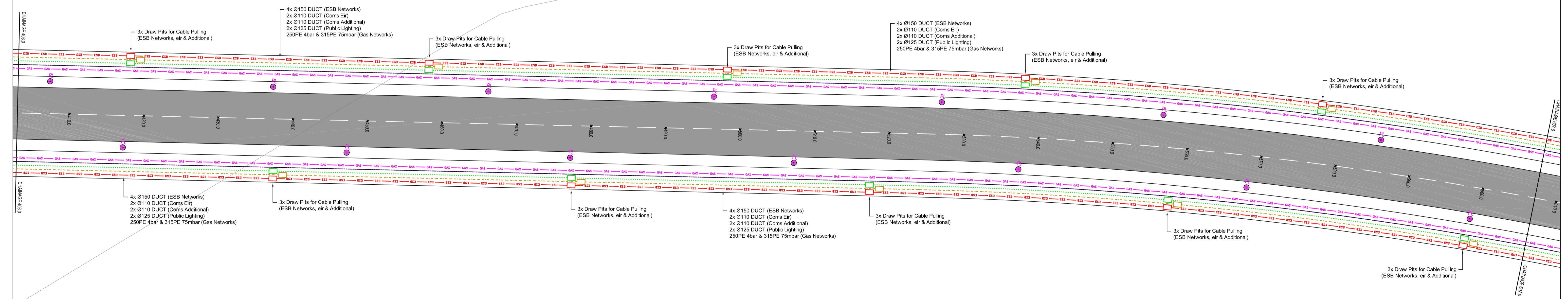
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Plan - Road Section C

Scale 1:250

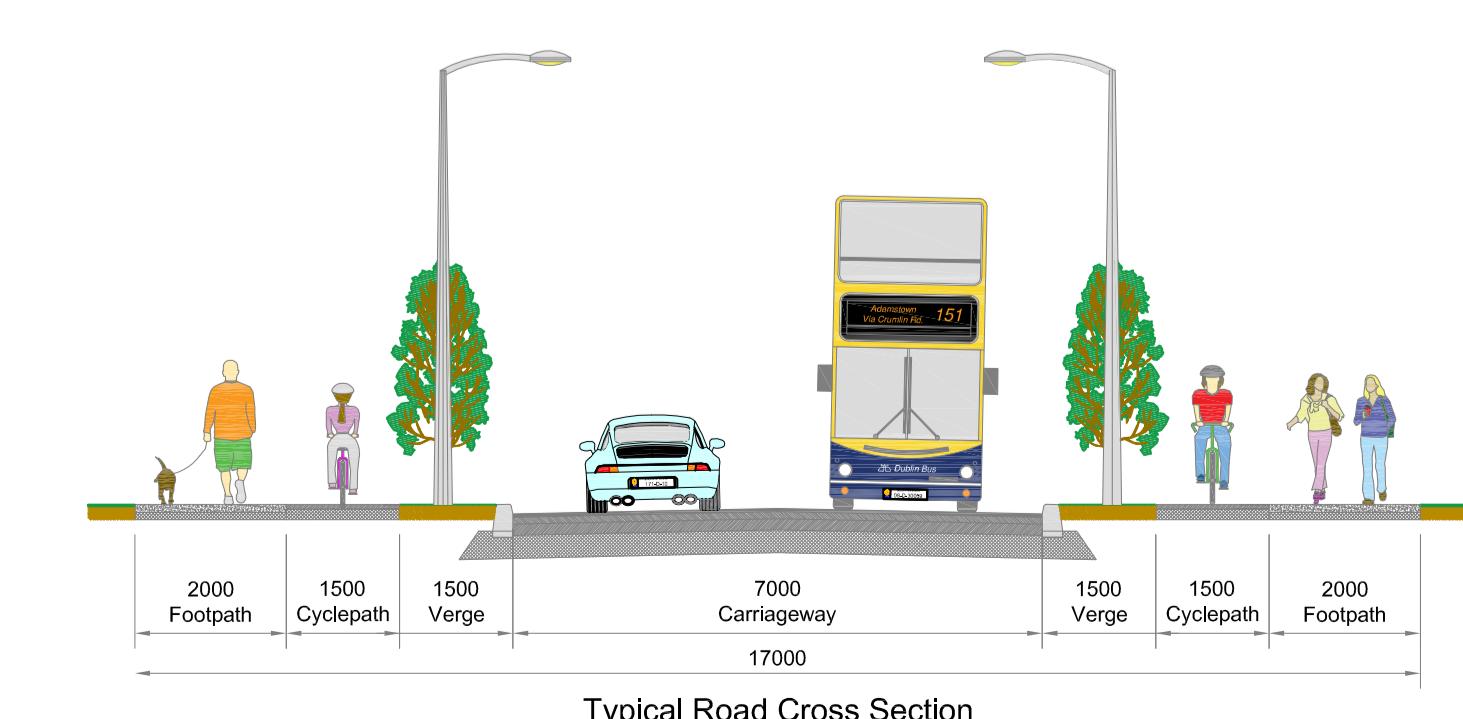


Plan - Road Section D

Scale 1:250



Utilities Legend	
	Proposed HDPE Watermain
	Proposed Gas Networks Ducting
	Proposed Public Lighting Ducting
	Proposed Additional Comms Ducting
	Proposed Eir Ducting
	Proposed ESB Networks Ducting



P1	14.12.17	CYCLEPATH AT TUBBER LANE JUNCTION AMENDED	CB
REV.	DATE	DESCRIPTION	BY
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Water, Planning and
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Senior Engineer
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South Dublin County Council

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PROJECT

CELBIDGE LINK ROAD

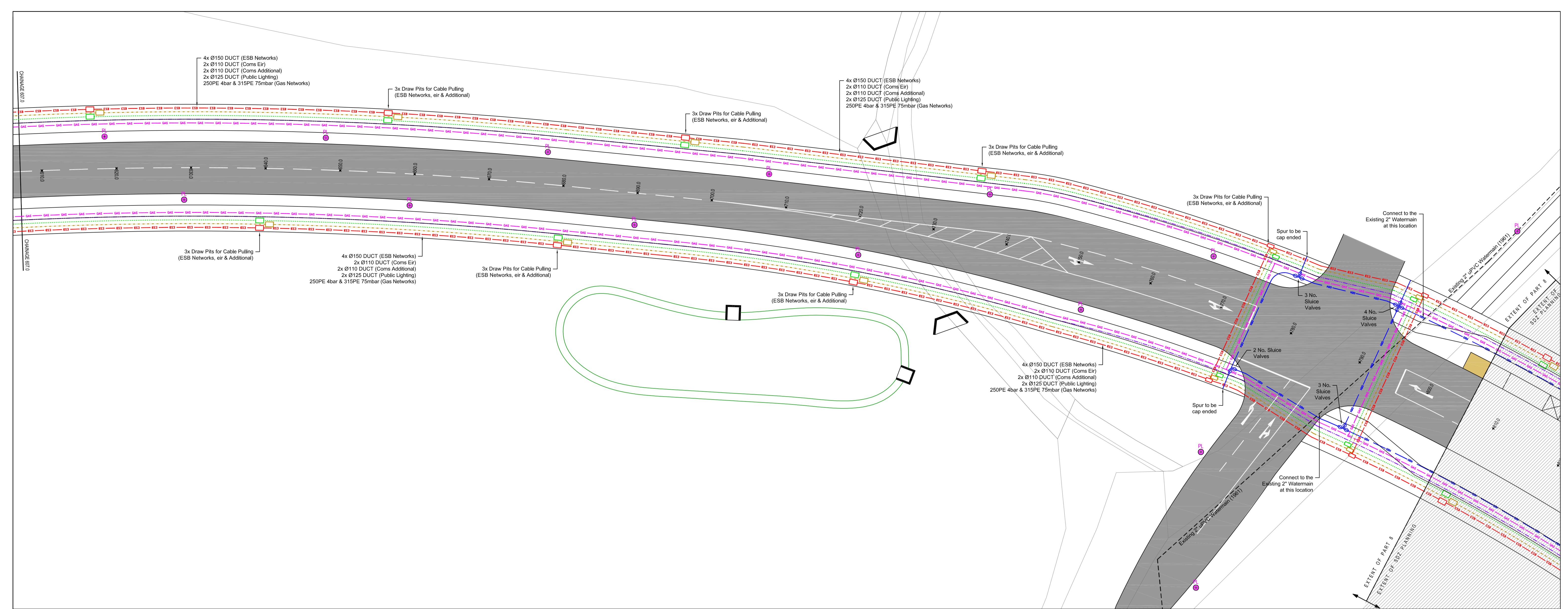
DRAWING TITLE

UTILITIES LAYOUT (SHEET 2 OF 3)

STAGE

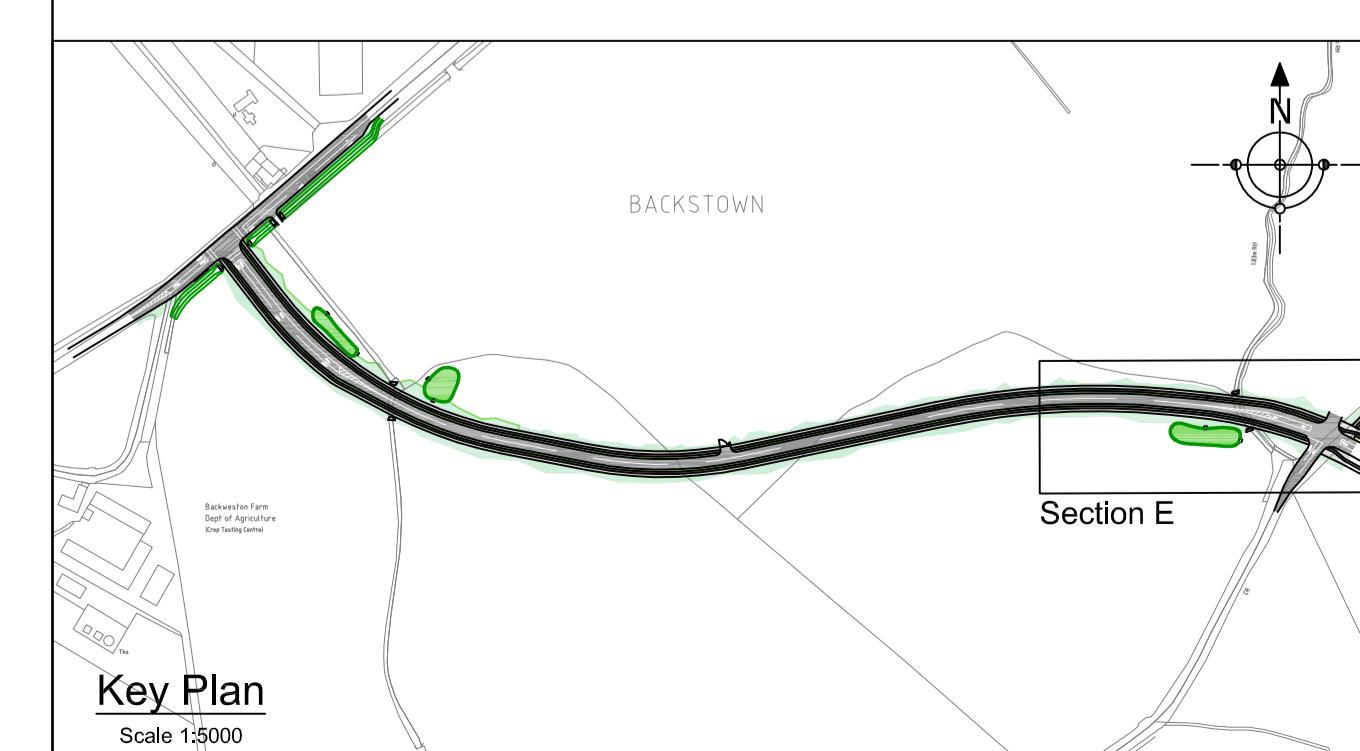
PART VIII

DATE	CHECKED	DRAWN	SCALES	DWG NO.
DEC 2017	PM	CB	AS SHOWN (PRINT @ A1)	1772-2301
REV.				P1



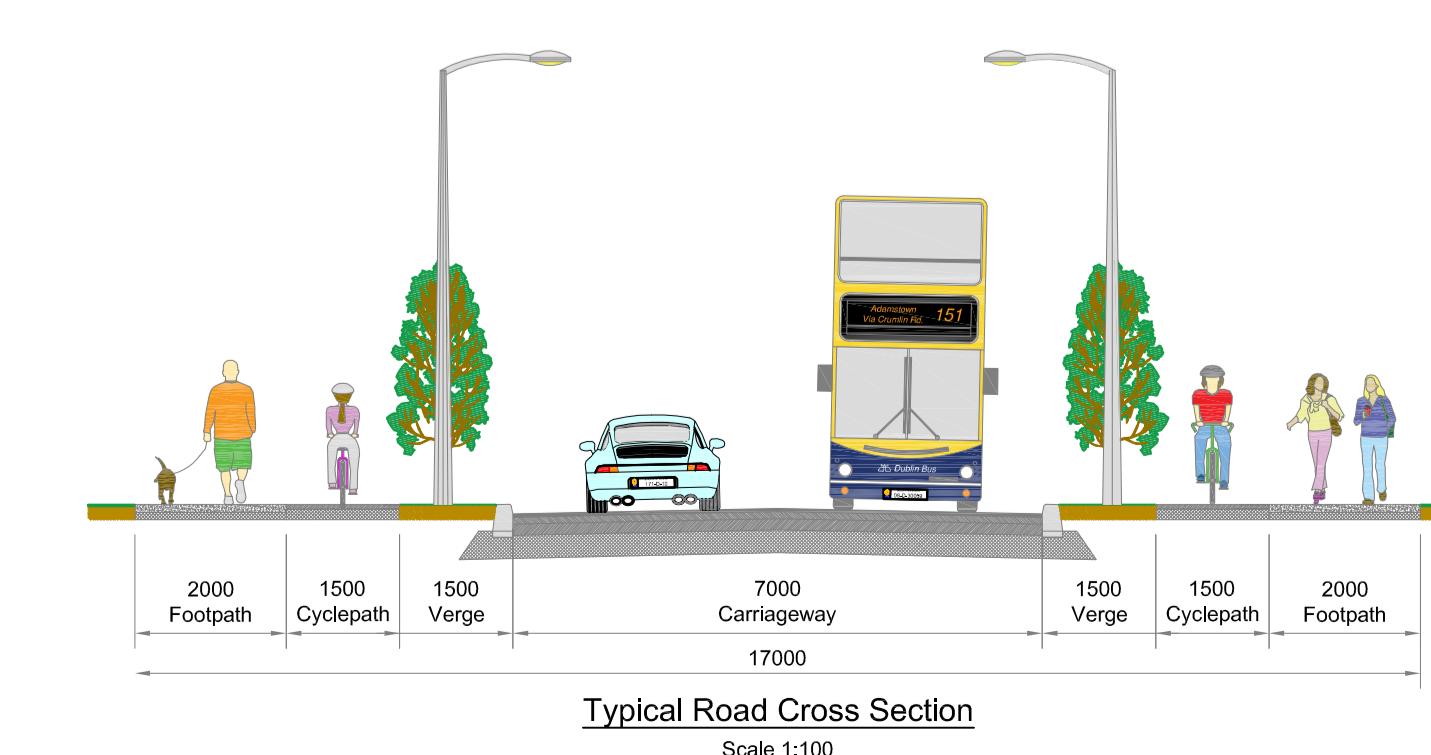
Plan - Road Section E

Scale 1:250



Refer to drawing 1772-2400
for underground services layout

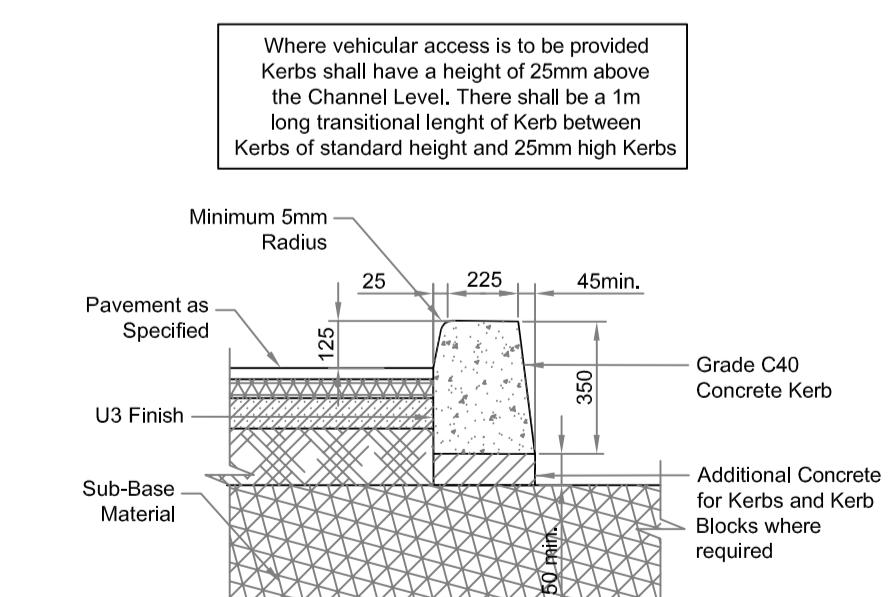
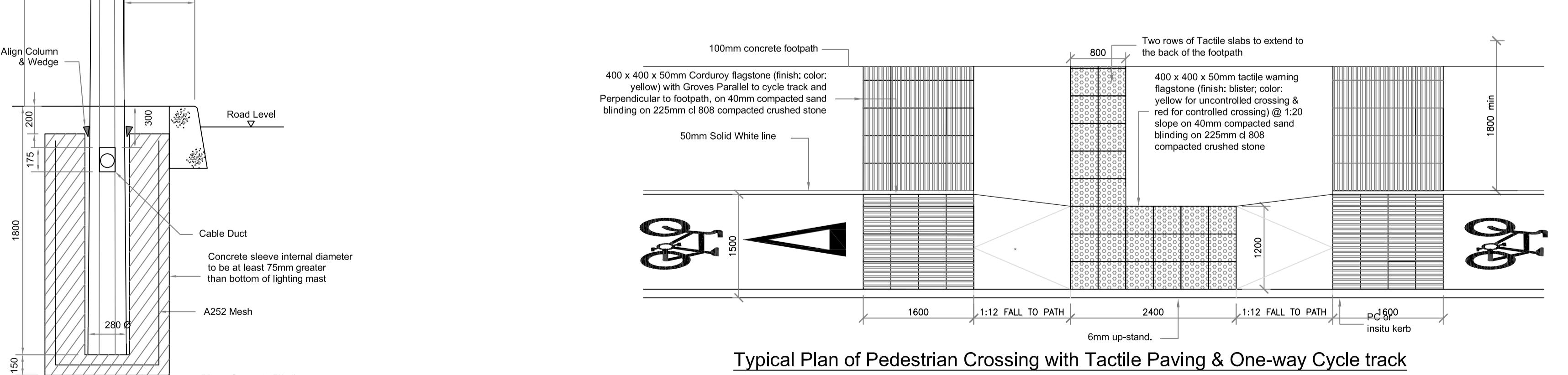
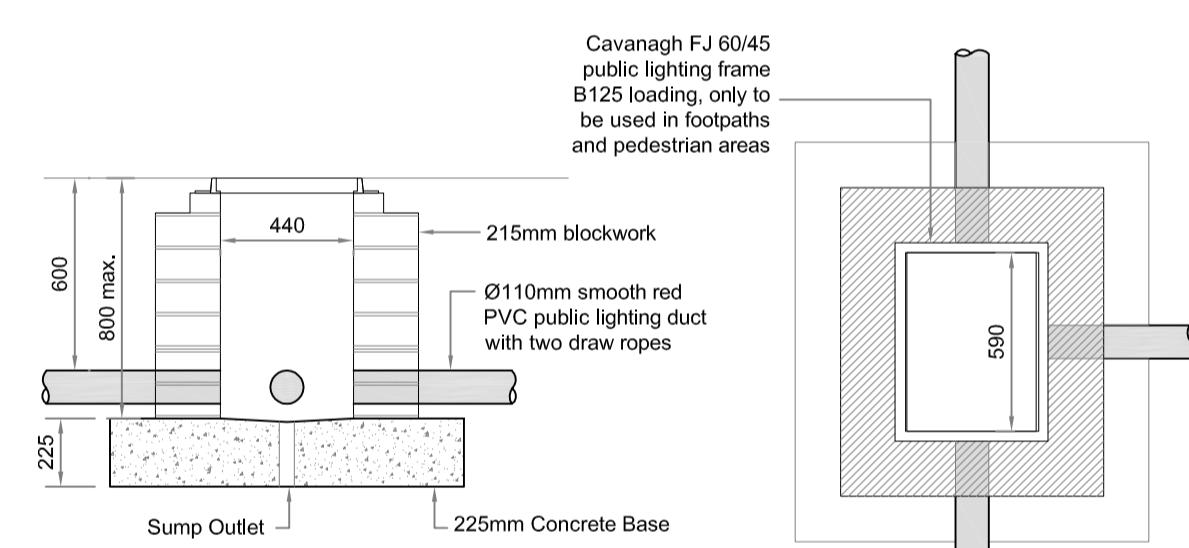
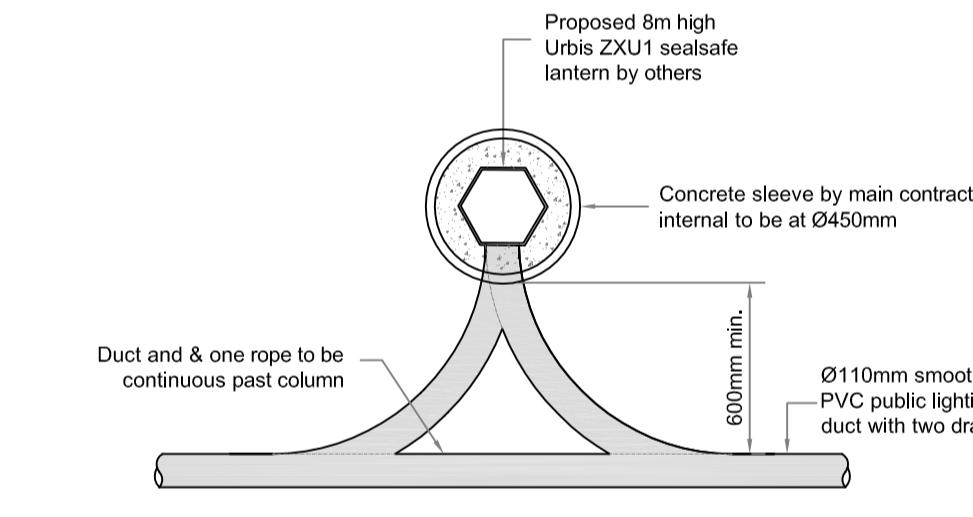
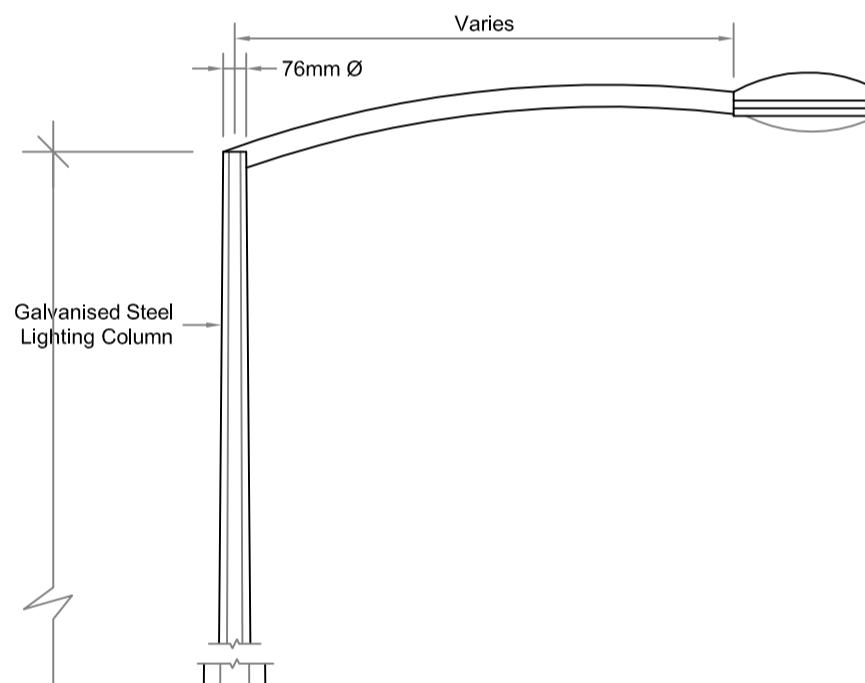
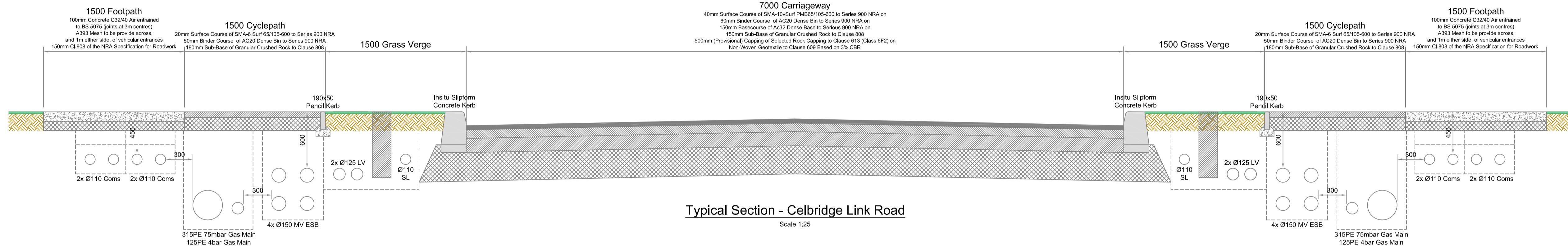
Utilities Legend	
HDPE	Proposed HDPE Watermain
GAS	Proposed Gas Networks Ducting
Public Lighting	Proposed Public Lighting Ducting
Comms	Proposed Additional Comms Ducting
Eir	Proposed Eir Ducting
ESB	Proposed ESB Networks Ducting



P1	14.12.17	CYCLEDATH AT TUBBER LANE JUNCTION AMENDED	CB
REV.	DATE	DESCRIPTION	BY
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Laura Leonard A/ Director of Service Land Use, Planning and Transportation Water, Planning and Dublin, 01 205 1101 Senior Engineer Land Use Planning and Transportation			
Comhairle Contae Átha Cliath Theas South Dublin County Council	poga	CONSULTING ENGINEERS	
Unit C2, Nutgrove Office Park, Rathfarnham, Dublin 14 Tel: 01 205 1101 Web: www.poga.ie	PROJECT	CELBIDGE LINK ROAD	
DRAWING TITLE	UTILITIES LAYOUT (SHEET 3 OF 3)	STAGE	PART VIII
DATE	CHECKED	DRAWN	SCALES
DEC 2017	PM	CB	AS SHOWN (PRINT @ A1)
			DWG NO.
			1772-2302
			REV.
			P1

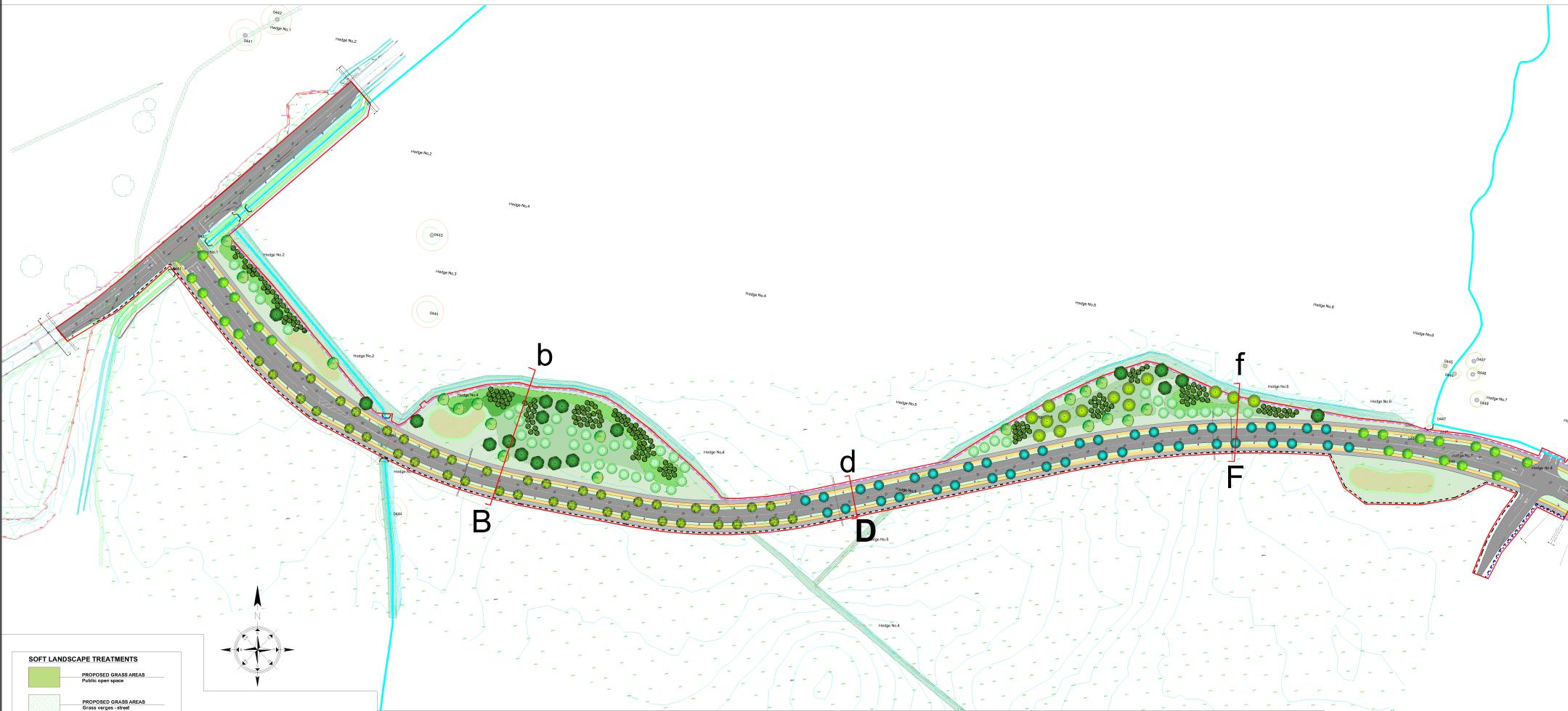
ROAD SPECIFICATION FOR ACCESS ROADS:

1. All Granular fill Capping and Road Base to be certified for end use to the requirements of SR21 as above. Each layer shall be compacted with approved mechanical equipment in accordance with clause 612 of the NRA Specification. Generally the layers shall not exceed 150mm thick.
2. Granular fill shall be obtained from an independently tested and approved quarry. The stone size to be determined by the contractor to be no larger than 100mm.
3. CBR tests to be carried out at a maximum of 100m c/s.
4. Tarmac or similar approved may be required for low CBR values.
5. All materials used in the Road Construction shall have a CE mark and shall be installed as per the manufacturers specification.



REV.	DATE	DESCRIPTION	BY
poga CONSULTING ENGINEERS			
Unit C2, Nutgrove Office Park, Rathfarnham, Dublin 14			
Tel: 01 205 1101 Web: www.poga.ie			
PROJECT	ADAMSTOWN	DRAWING TITLE	ROADS DETAILS
STAGE	PART VIII	DRAWN	SCALES
REV.	DEC 2017	CHECKED PM	DWG NO. 1772-2400
		DRAWN CB	AS SHOWN (PRINT @A1)



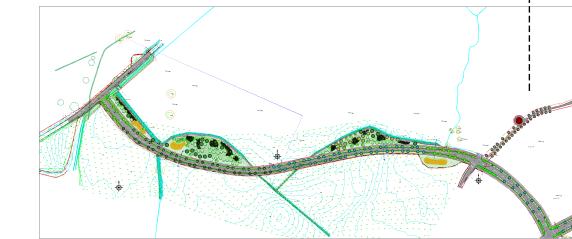


Part 8 - Pedestrian & cycle route

Scale 1:1000



Key plan - Scale 1:5000



Proposed Development of Celbridge Link Road, Lucan, Co Dublin



Laura Leonard
A/ Director of Service,
Land Use, Planning and Transportation
Walter O'Farrell
Dir. Eng., Msc, Chartered Engineer FIEI
Senior Engineer
Land Use, Planning and Transportation
Date: 21.08.2017

Drawing Title: Part 8 - Landscape Masterplan
Drawing By: SS
Job No.: 2017 - 1357A
Drawing No.: 02
Checked By: RMD

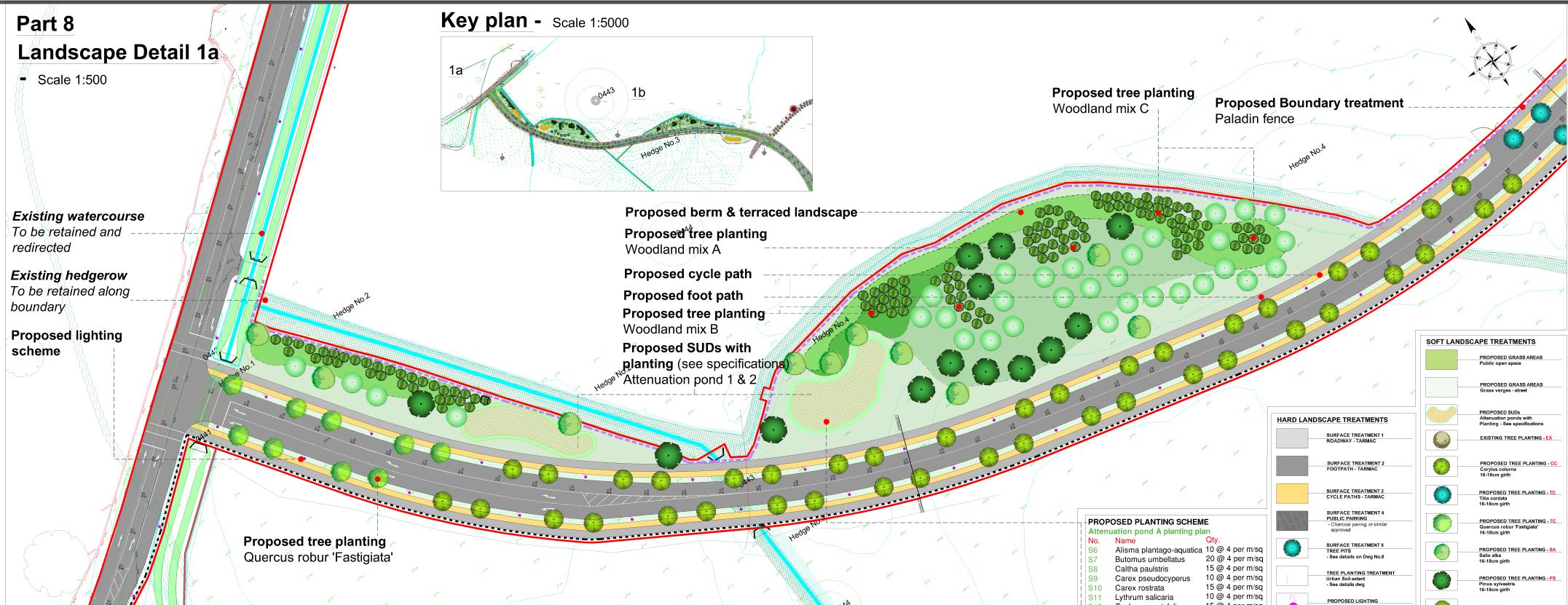
Ronan MacDiarmada + Associates Ltd.
Landscape Architects and Consultants.
Tootenhill, Rathcoole, Co. Dublin
tel: +353 1 412 4476 mob: 086 26 25 438
fax: +353 1 401 3748 e-mail: ronan@rmda.ie

Rev	Description	By	Date
A	Revised site Layout	SS	18.09.17
B	Revised site Layout	SS	10.10.17
C	Revised site Layout with Arborist information	SS	18.10.17
D	Revised site Layout & Boundary details	SS	31.10.17
E	Revised site Layout	SS	03.11.17
F	Revised site Layout	SS	04.12.17

Part 8

Landscape Detail 1a

Scale 1:500

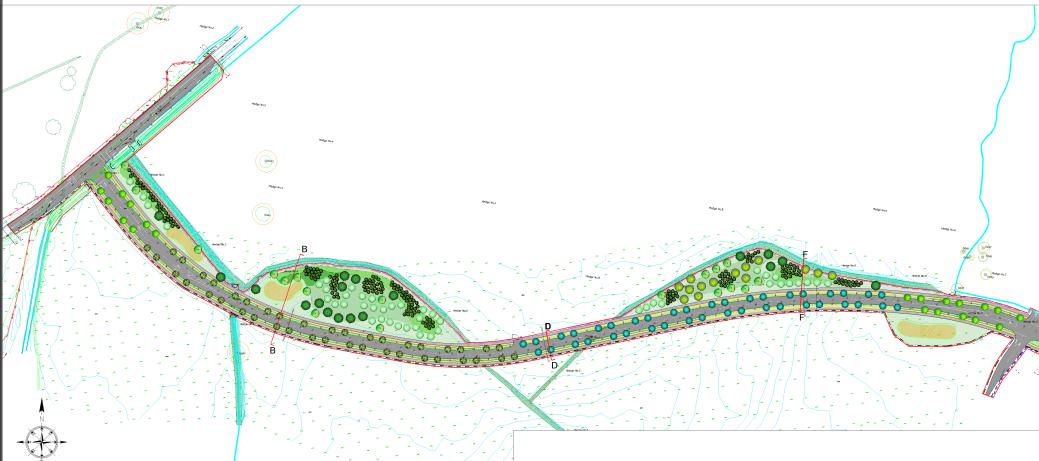


Landscape Detail 1b

Scale 1:500



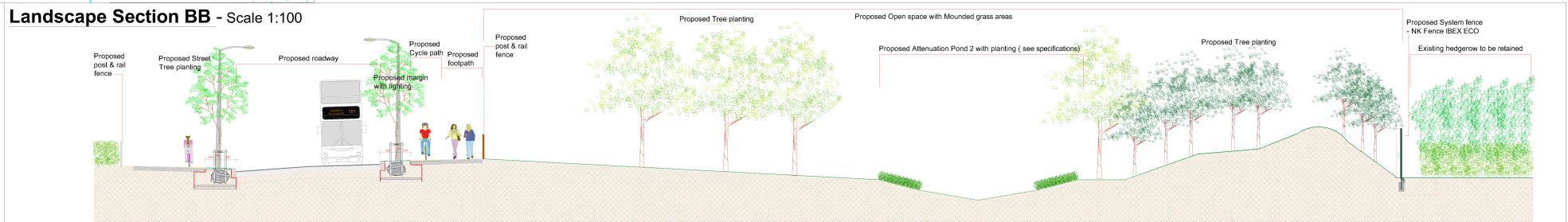
Landscape Masterplan - Part 8 Scale 1:1000



Landscape Section DD - Scale 1:50



Landscape Section BB - Scale 1:100



Landscape Section FF - Scale 1:50



Proposed Development of Celbridge Link Road, Lucan, Co Dublin					
	Laura Leonard A/ Director of Service, Land Use, Planning and Transportation Ward 10 De Eng. Msc, Chartered Engineer FIEI Senior Engineer Land Use, Planning and Transportation	Scale: as shown @ A1	Dwg 04		
Comhairle Contae Atha Cliath Theas					
South Dublin County Council					
	Date: 21.08.2017				
Drawing Title: Part 8 - Landscape Sections					
Drawing No.: 2017 - 1357A	Drawing No.: 04				
Rev	Description	By	Date		
A	Revised site Layout	SS	18.09.17		
B	Revised site Layout	SS	10.10.17		
C	Revised site Layout with Arborist information	SS	18.10.17		
D	Revised site Layout & Boundary details	SS	31.10.17		
E		SS	27.11.17		
F	Revised site Layout	SS	04.12.17		

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