

Document Reference: 2.10

The Norfolk County Council (Norwich Northern Distributor Road (A1067 to A47(T))) Order

2.10 Section Plans

Planning Act 2008

Infrastructure Planning

The Infrastructure Planning (Applications: Prescribed Forms and Procedure) Regulations 2009

PINS Reference Number: TR010015

Document Reference: 2.10

Regulation Number: 5(2)(0), 5(2)(p) & 6(2)

Author: Norfolk County Council

Revision	Date	Description
0	8 th January 2014	Revision For Submission



Document Reference: 2.10

INTRODUCTION

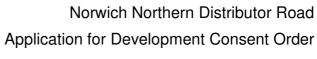
This document is submitted in relation to the application for a Development Consent Order by Norfolk County Council to the Secretary of State, under the Planning Act 2008.

The application is for the Norfolk County Council (Norwich Northern Distributor Road (A1067 to A47(T))) Order, to grant development consent for the construction of a new highway running west to east, to south, between the A1067 Fakenham Road and the A47 Trunk Road at Postwick, including improvements to the existing highway network to the north and north east of Norwich.

This document comprises part of the application documents and relates to Regulation 5(2)(o), Regulation 5(2)(p) and Regulation 6(2)(a) of the Infrastructure Planning (Applications: Prescribed Forms and Procedure) Regulations 2009.

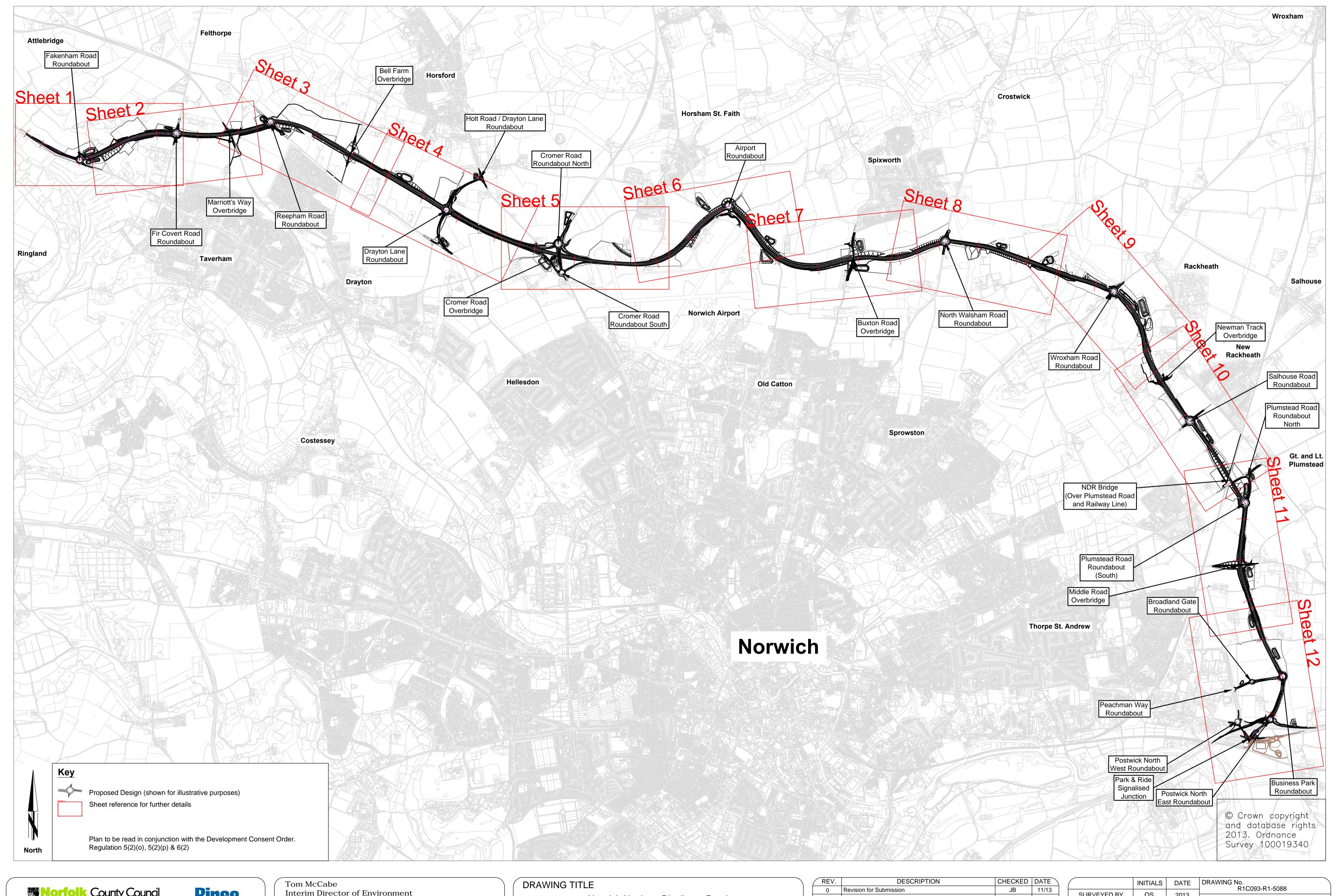
SCHEDULE OF PLANS INCLUDED IN THIS DOCUMENT

Drawing No.	Drawing Title	Revision
R1C093-R1-5088	Key Plan for Plan and Long Section (mainline)	0
R1C093-R1-5089	Plan and Long Section (mainline) - Sheet 1	0
R1C093-R1-5090	Plan and Long Section (mainline) – Sheet 2	0
R1C093-R1-5091	Plan and Long Section (mainline) – Sheet 3	0
R1C093-R1-5092	Plan and Long Section (mainline) – Sheet 4	0
R1C093-R1-5093	Plan and Long Section (mainline) – Sheet 5	0
R1C093-R1-5094	Plan and Long Section (mainline) – Sheet 6	0
R1C093-R1-5095	Plan and Long Section (mainline) – Sheet 7	0
R1C093-R1-5096	Plan and Long Section (mainline) – Sheet 8	0
R1C093-R1-5097	Plan and Long Section (mainline) – Sheet 9	0
R1C093-R1-5098	Plan and Long Section (mainline) – Sheet 10	0
R1C093-R1-5099	Plan and Long Section (mainline) – Sheet 11	0
R1C093-R1-5100	Plan and Long Section (mainline) – Sheet 12	0
R1C093-R1-5101	Key Plan for Plan and Long Section	0
	(Structures and Side Roads)	
R1C093-R1-5102	Plan and Long Section (Structures and Side	0
11100001110102	Roads) - Sheet 1	
R1C093-R1-5103	Plan and Long Section (Structures and Side Roads) – Sheet 2	Α





R1C093-R1-5104	Plan and Long Section (Structures and Side Roads) – Sheet 3	0
R1C093-R1-5105	Plan and Long Section (Structures and Side Roads) – Sheet 4	0
R1C093-R1-5106	Plan and Long Section (Structures and Side Roads) – Sheet 5	0
R1C093-R1-5107	Plan and Long Section (Structures and Side Roads) – Sheet 6	0
R1C093-R1-5108	Plan and Long Section (Structures and Side Roads) – Sheet 7	0
R1C093-R1-5109	Plan and Long Section (Structures and Side Roads) – Sheet 8	0
R1C093-R1-5110	Plan and Long Section (Structures and Side Roads) – Sheet 9	
R1C093-R1-5115	Cross sections – Sheet 1	0
R1C093-R1-5116	Cross sections – Sheet 2	0
R1C093-R1-5117	Cross sections – Sheet 3	0
R1C093-R1-5118	Cross sections – Sheet 4	0
R1C093-R1-5119	Cross sections – Sheet 5	0
R1C093-R1-5120	Cross sections – Sheet 6	0
R1C093-R1-5121	Cross sections – Sheet 7	0
R1C093-R1-5122	Cross sections – Sheet 8	0
R1C093-R1-5123	Cross sections – Sheet 9	0
R1C093-R1-5124	Cross sections – Sheet 10	0
R1C093-R1-5125	Cross sections – Sheet 11	0
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R1C093-R1-5128	Cross sections – Sheet 14	0
R1C093-R1-5129	Cross sections – Sheet 15	0
R1C093-R1-5130	Cross sections – Sheet 16	0
R1C093-R1-5131	Cross sections – Sheet 17	0





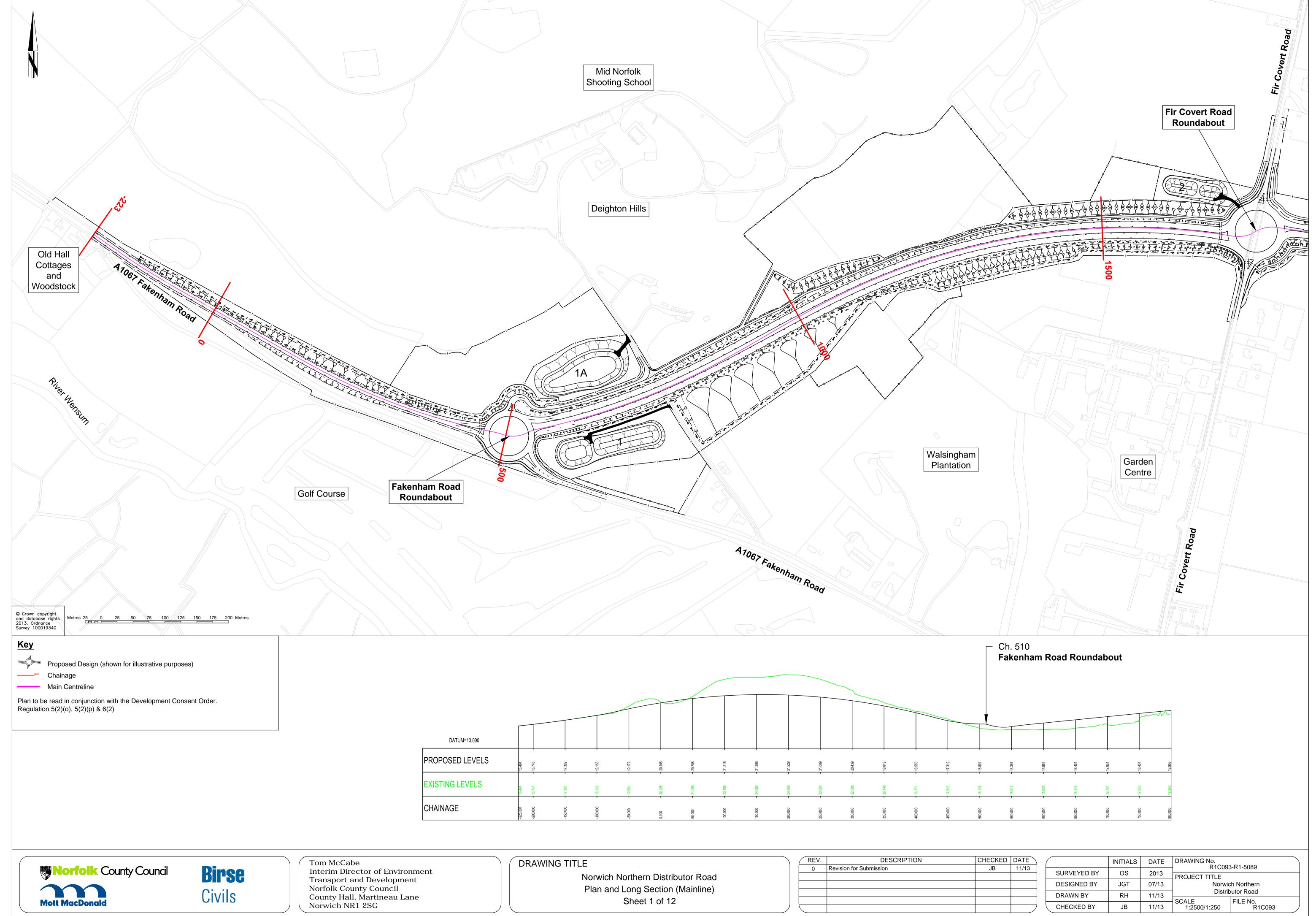


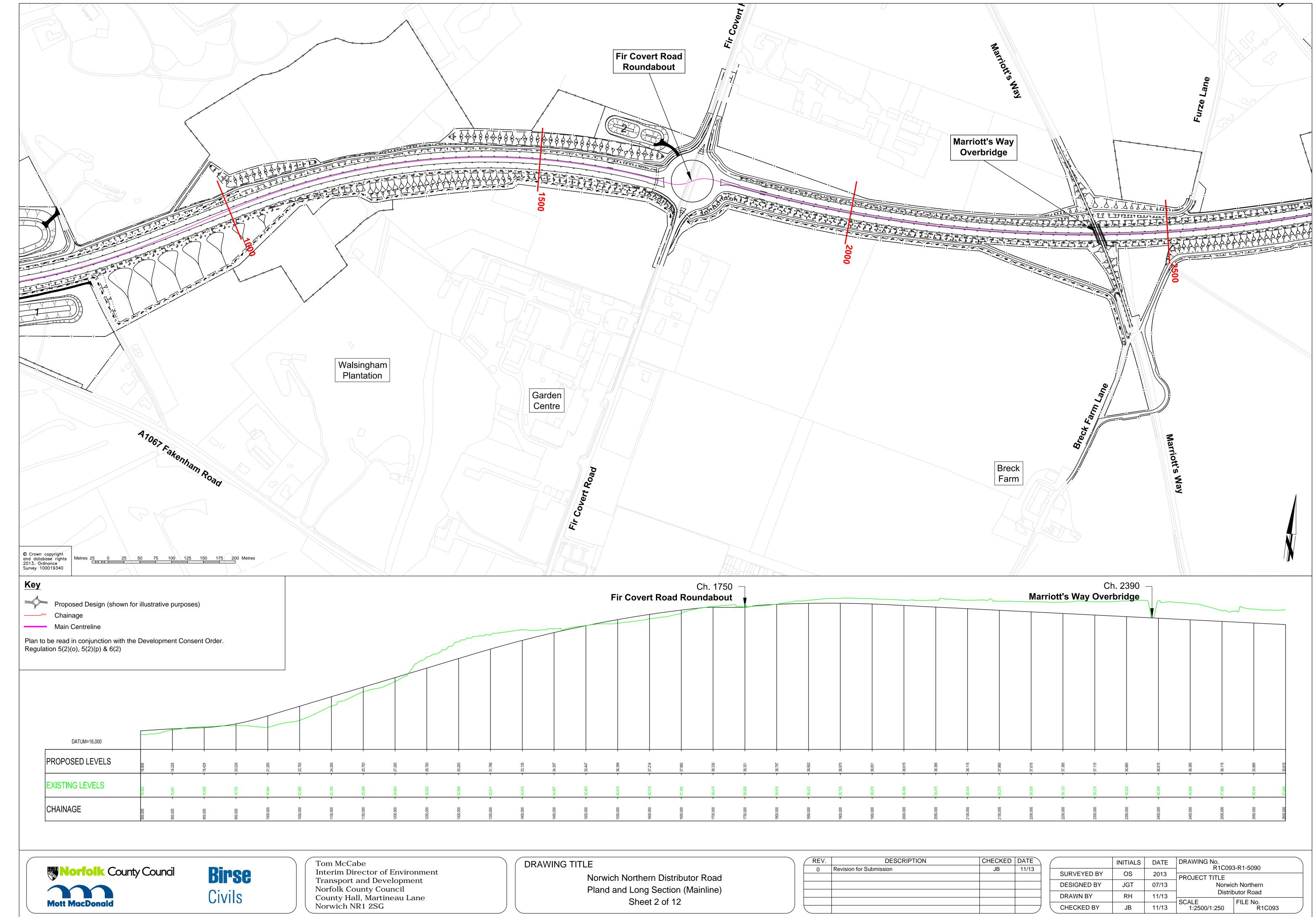
Interim Director of Environment Transport and Development Norfolk County Council County Hall, Martineau Lane Norwich NR1 2SG

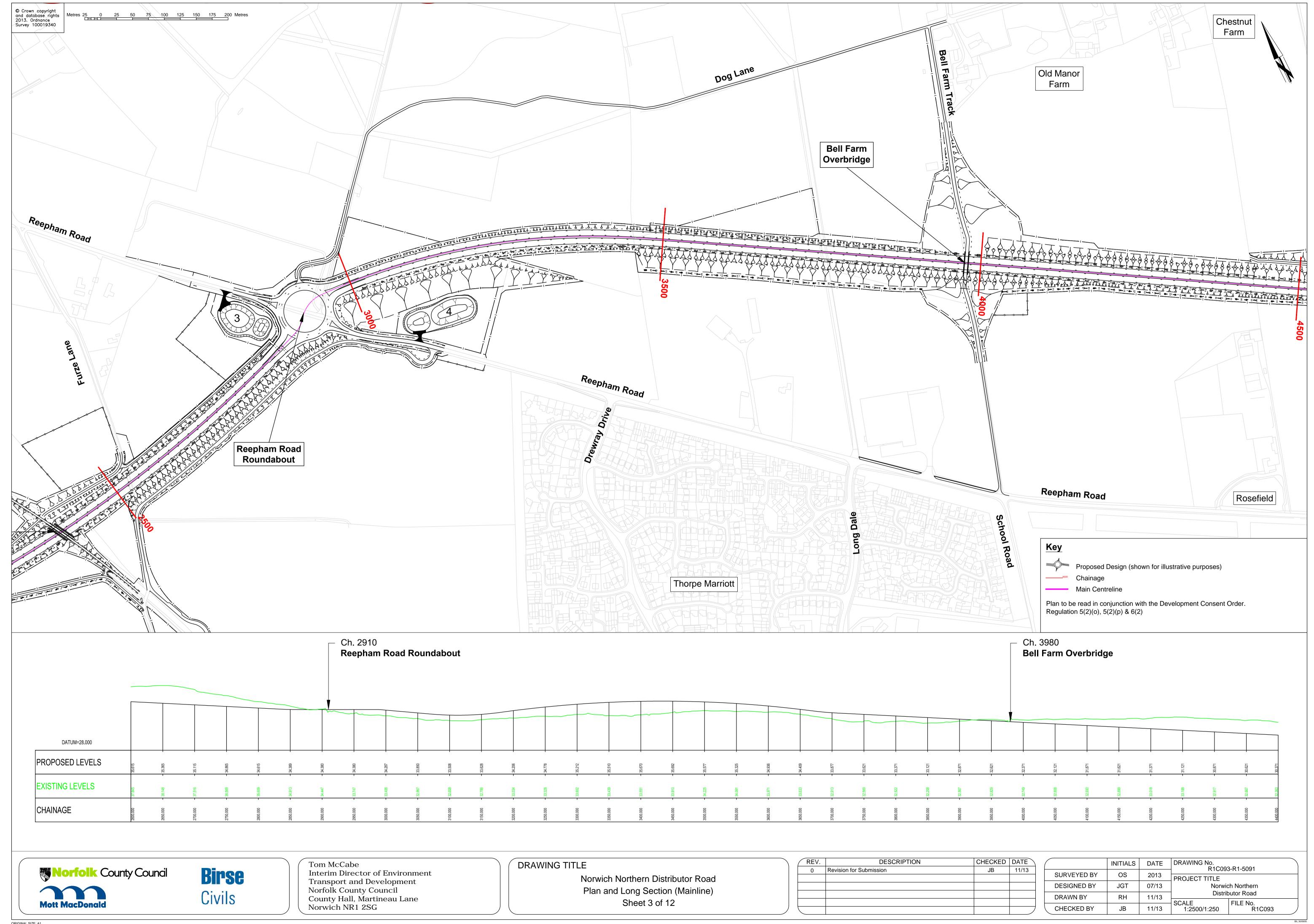
Norwich Northern Distributor Road Plan and Long Section (Mainline) Key Plan for drawings 5089 to 5100

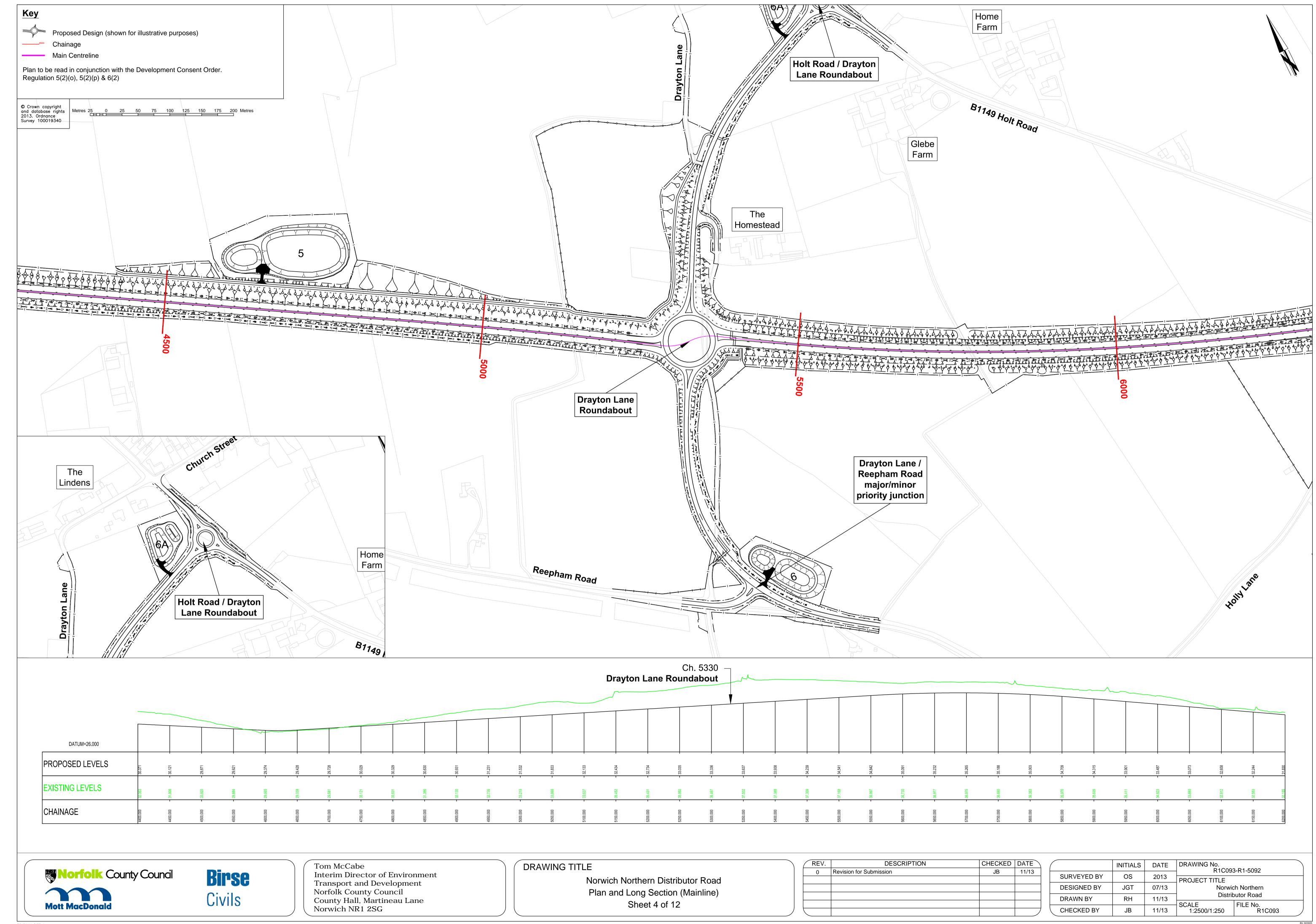
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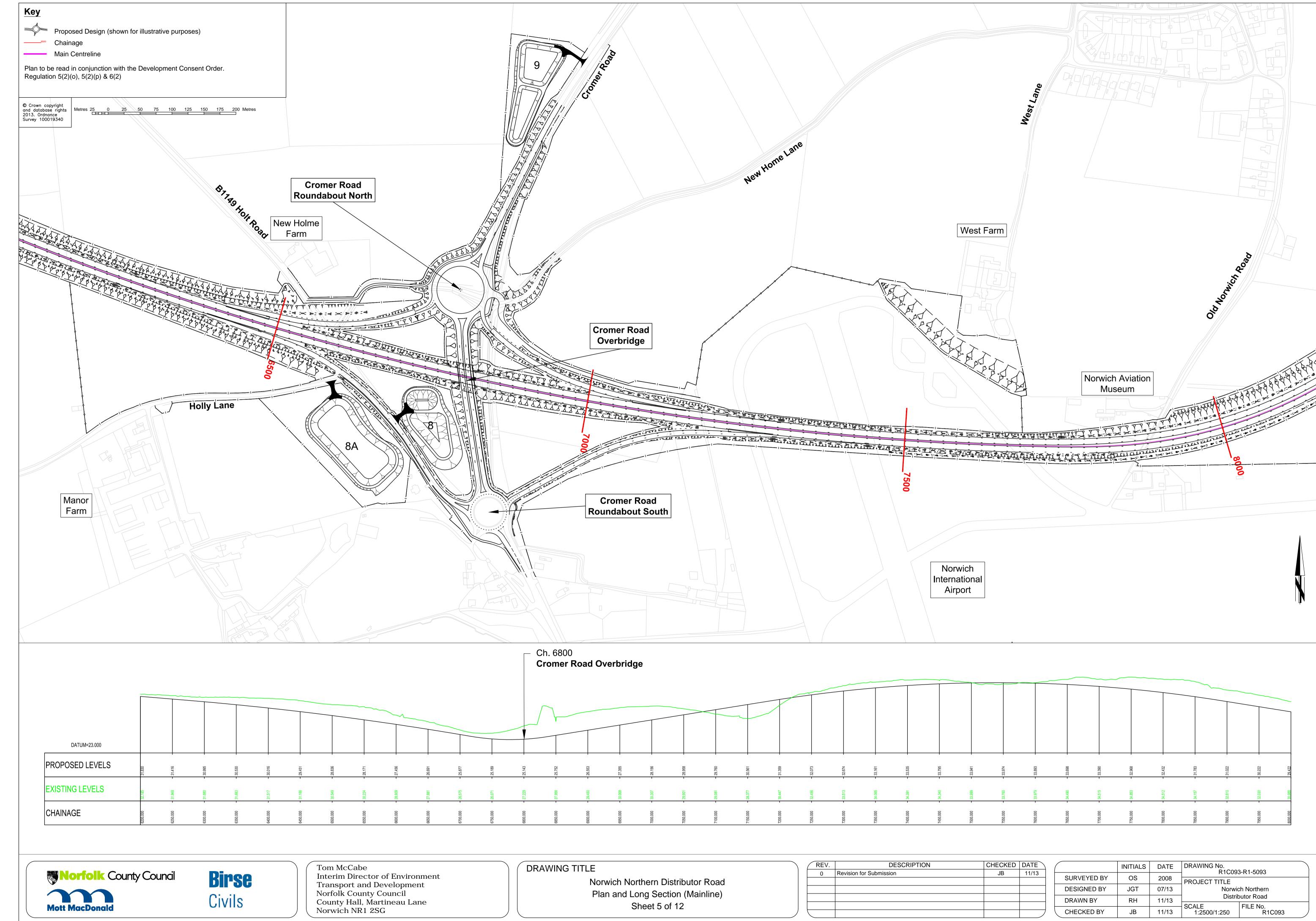
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	DESIGNED BY	JGT	07/13				
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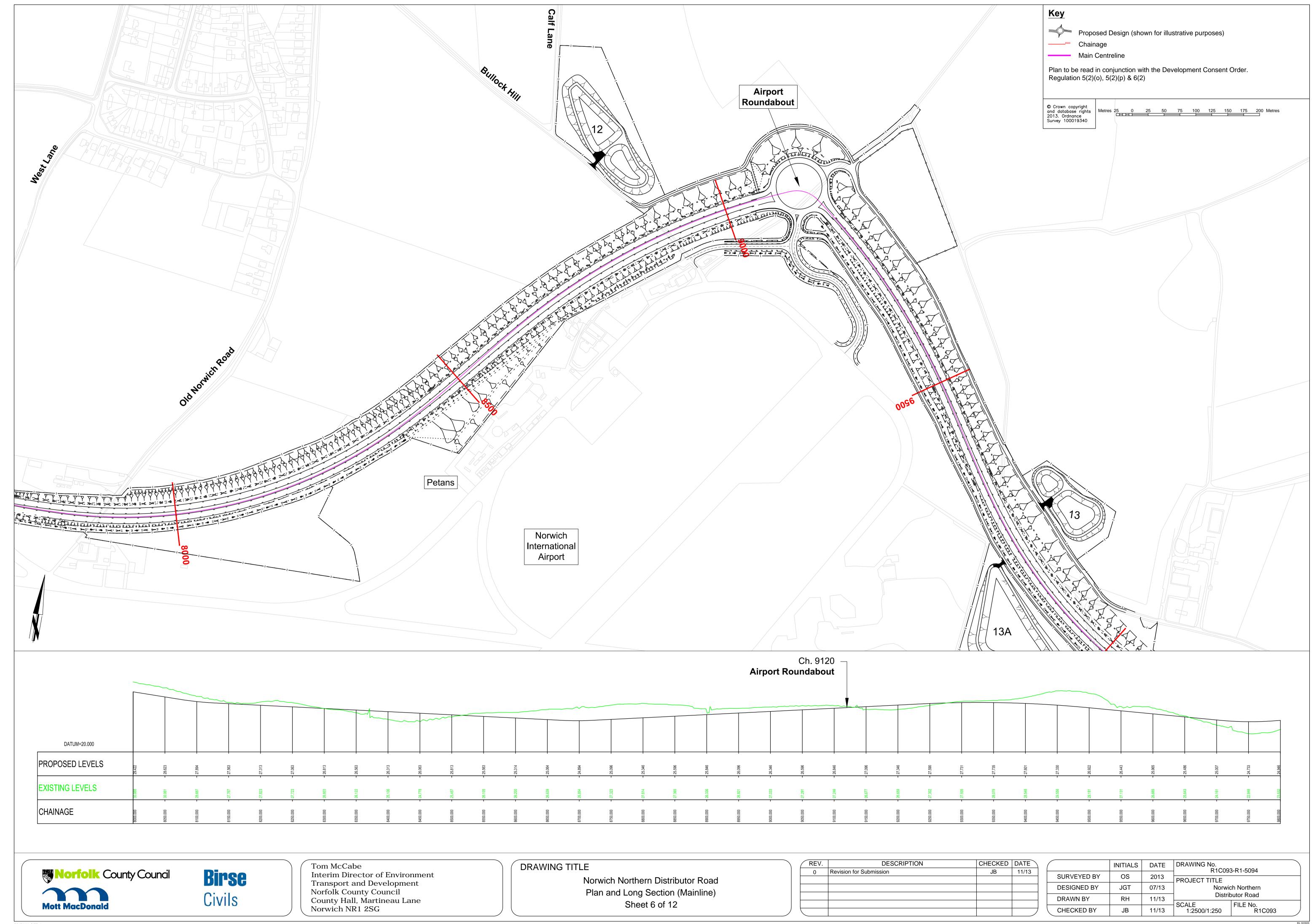


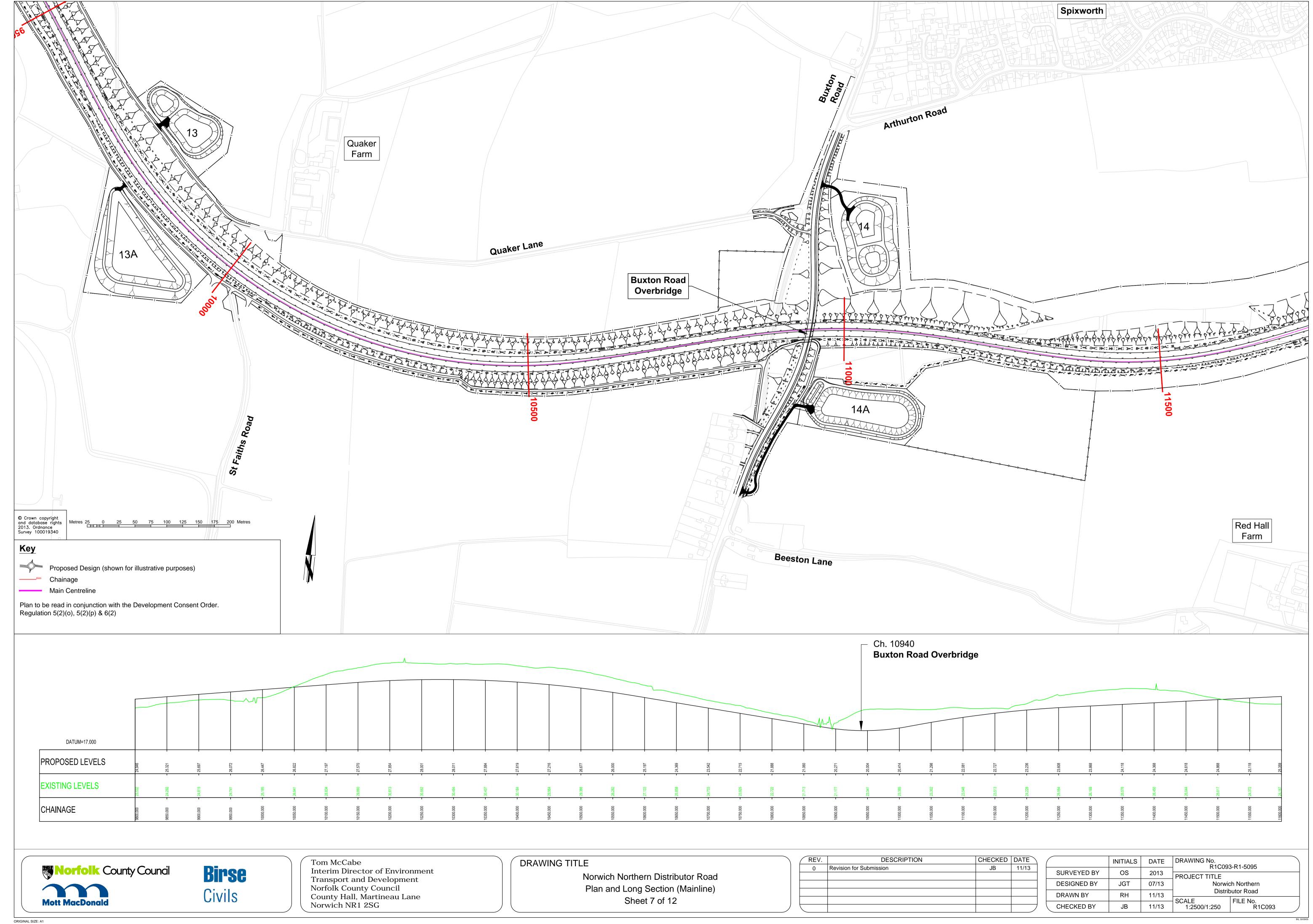


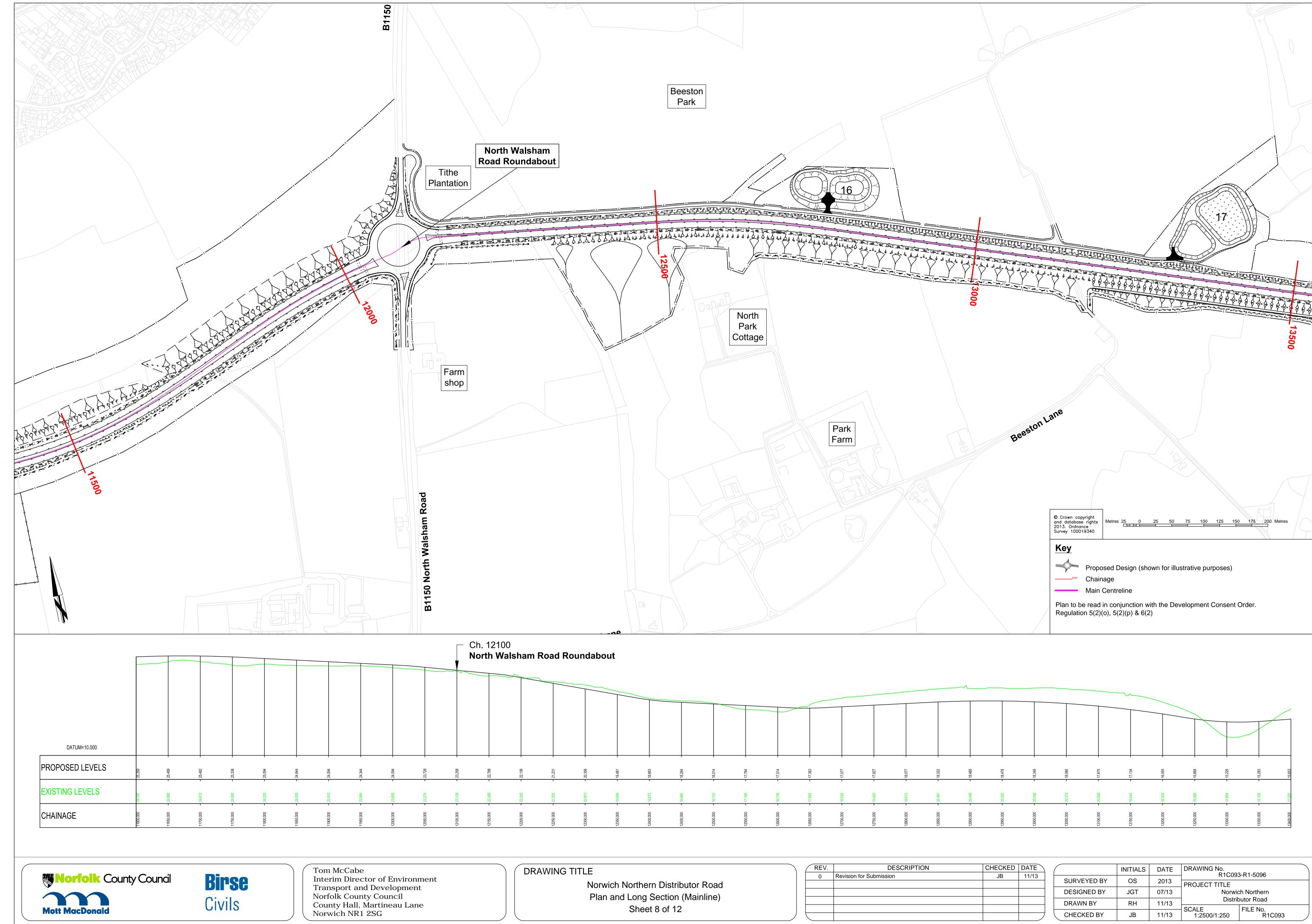


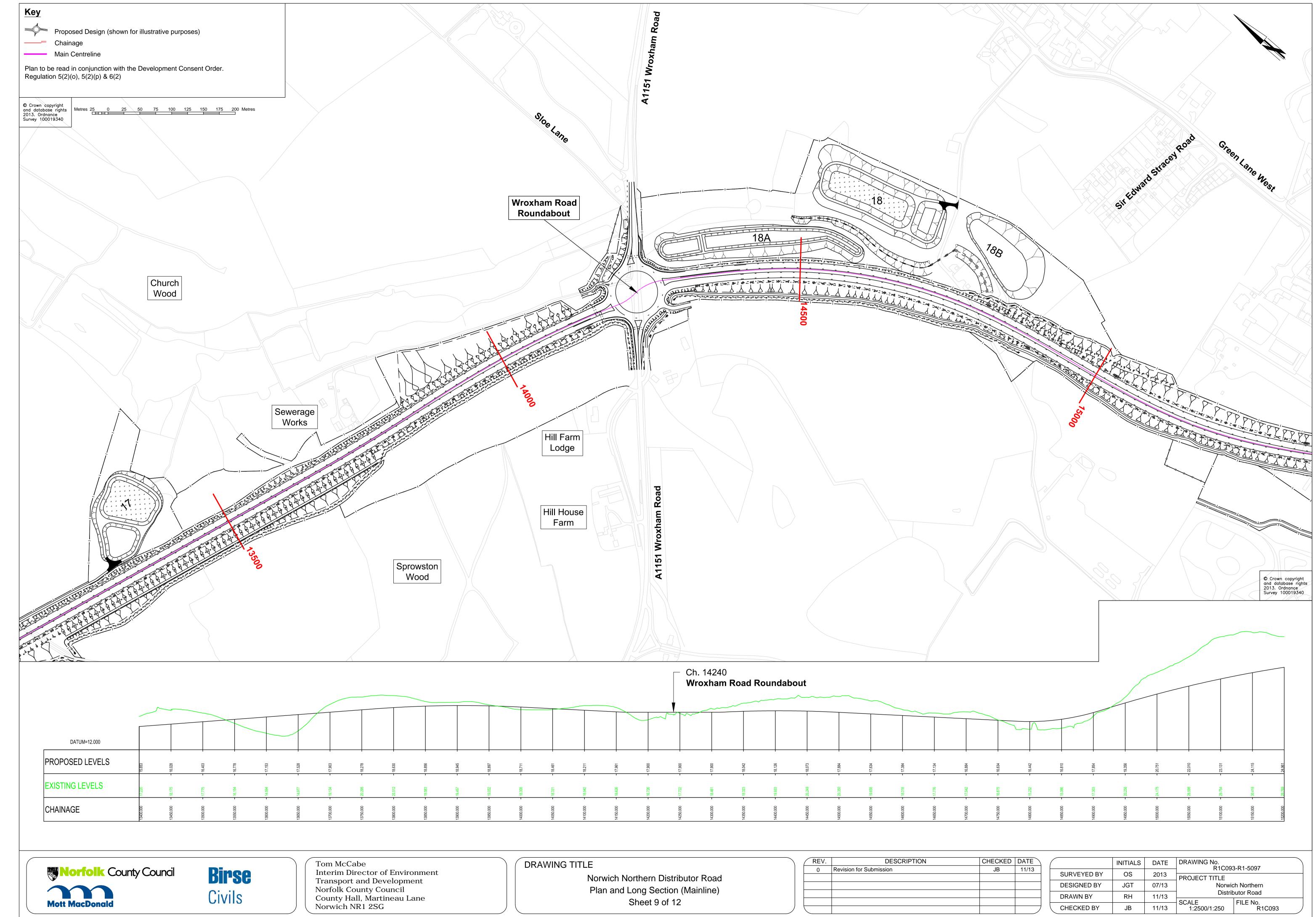


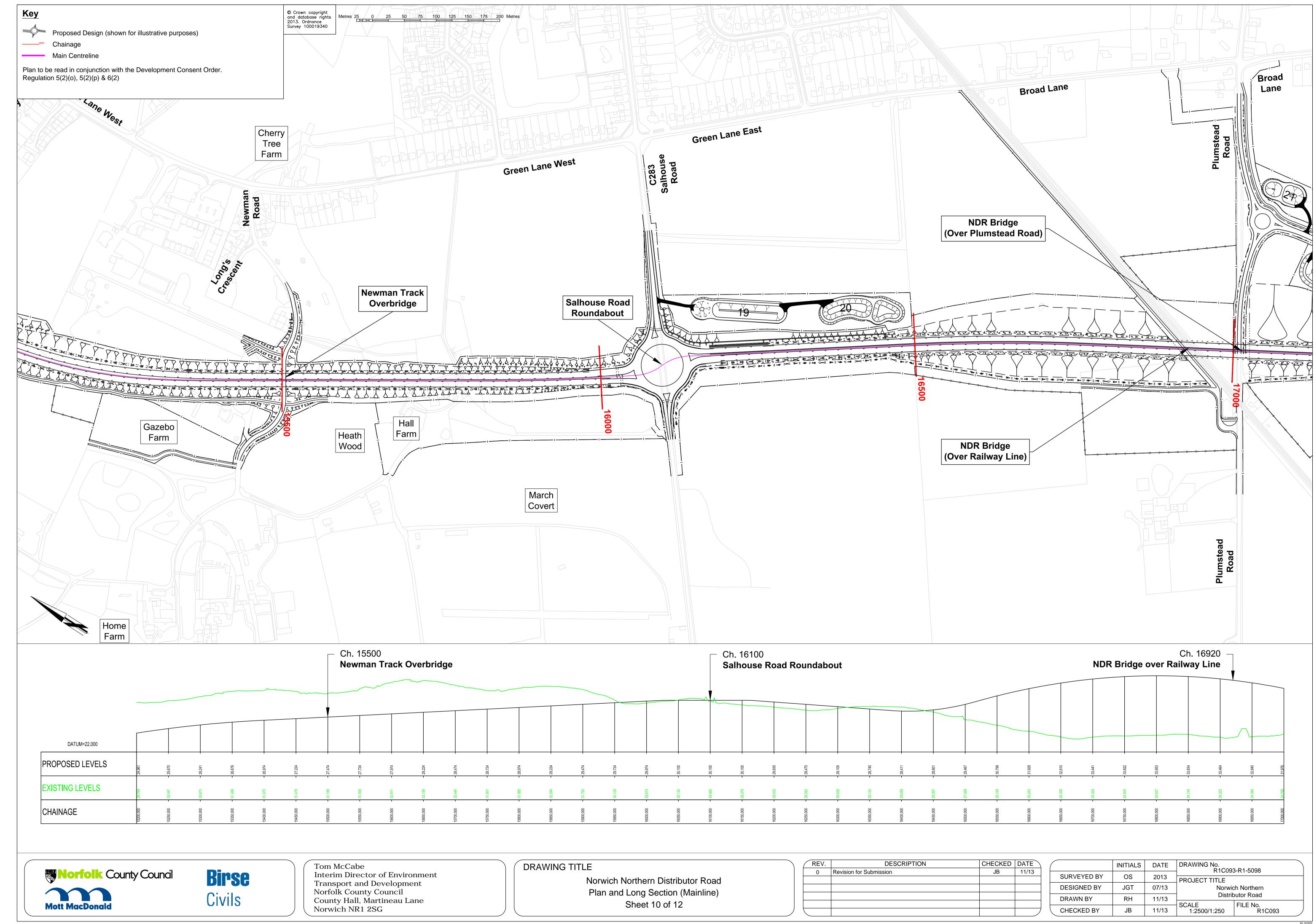


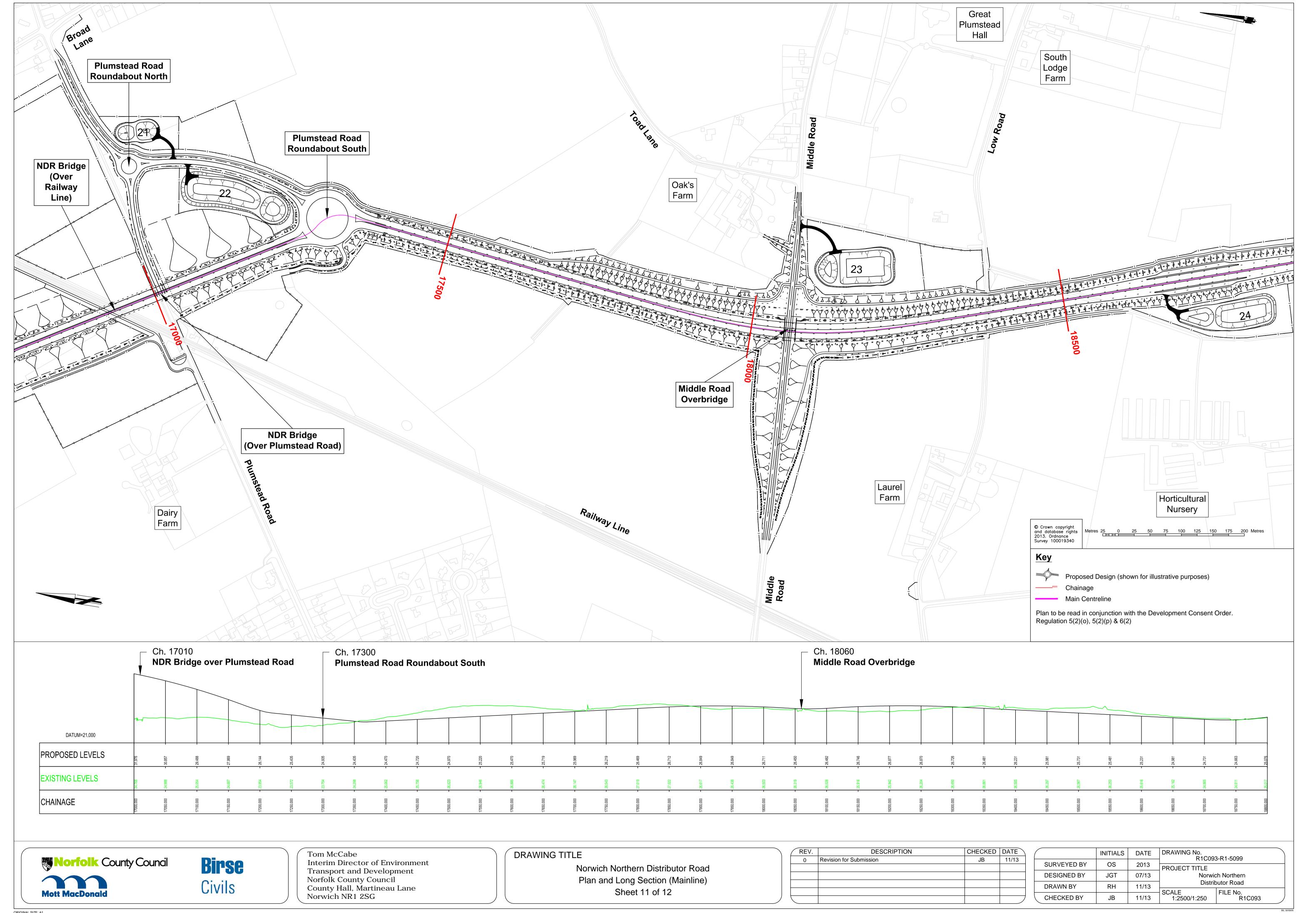


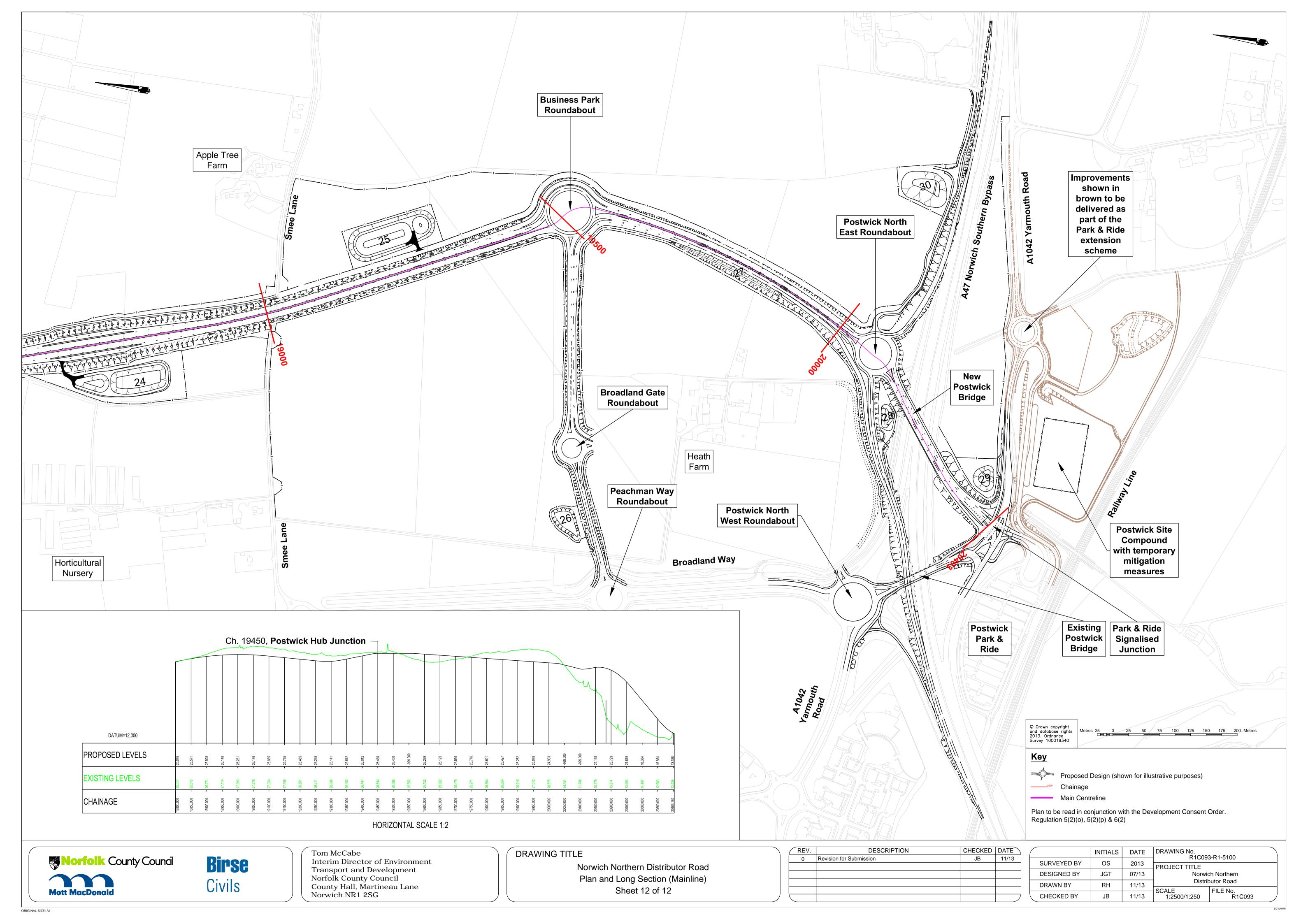


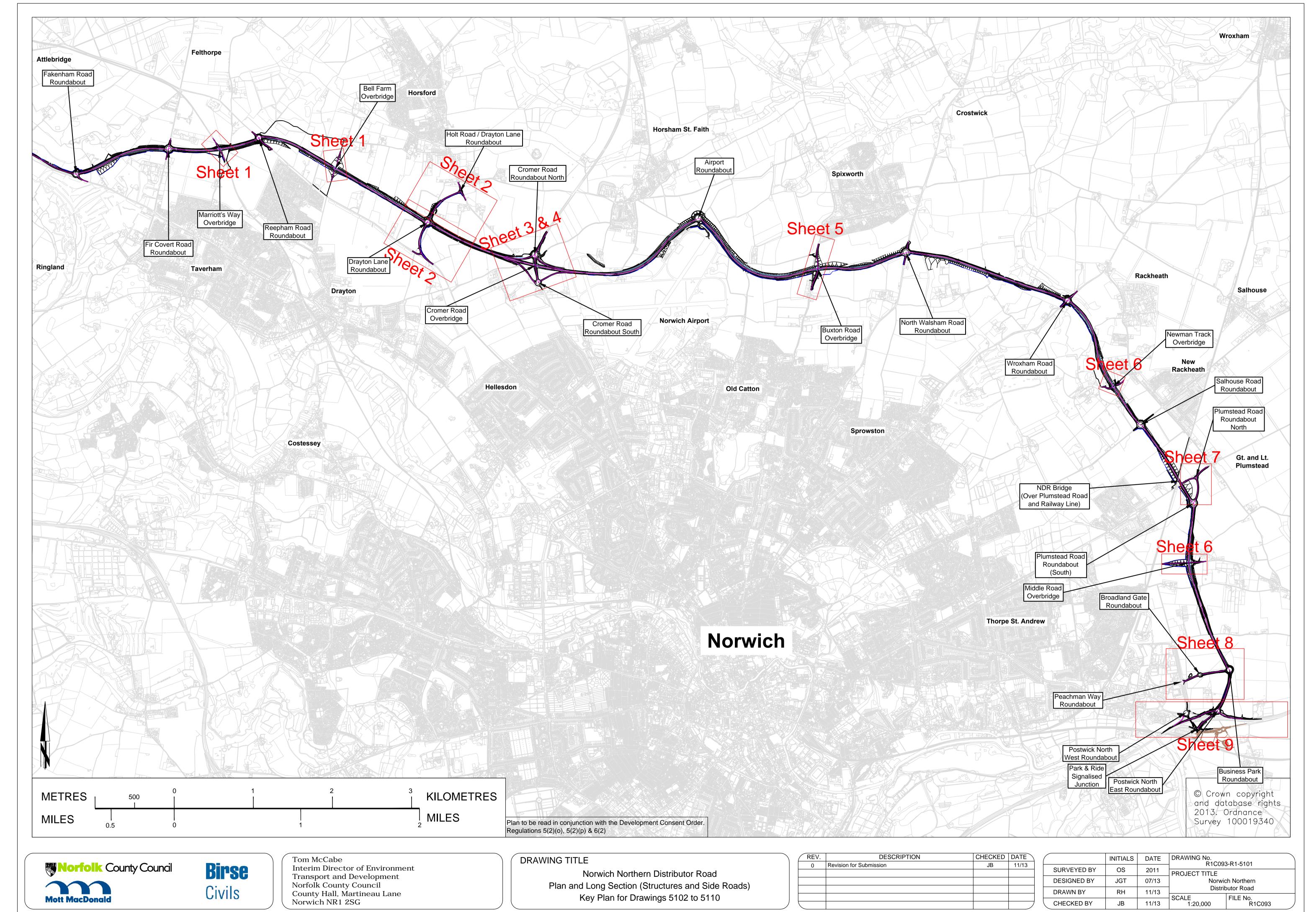


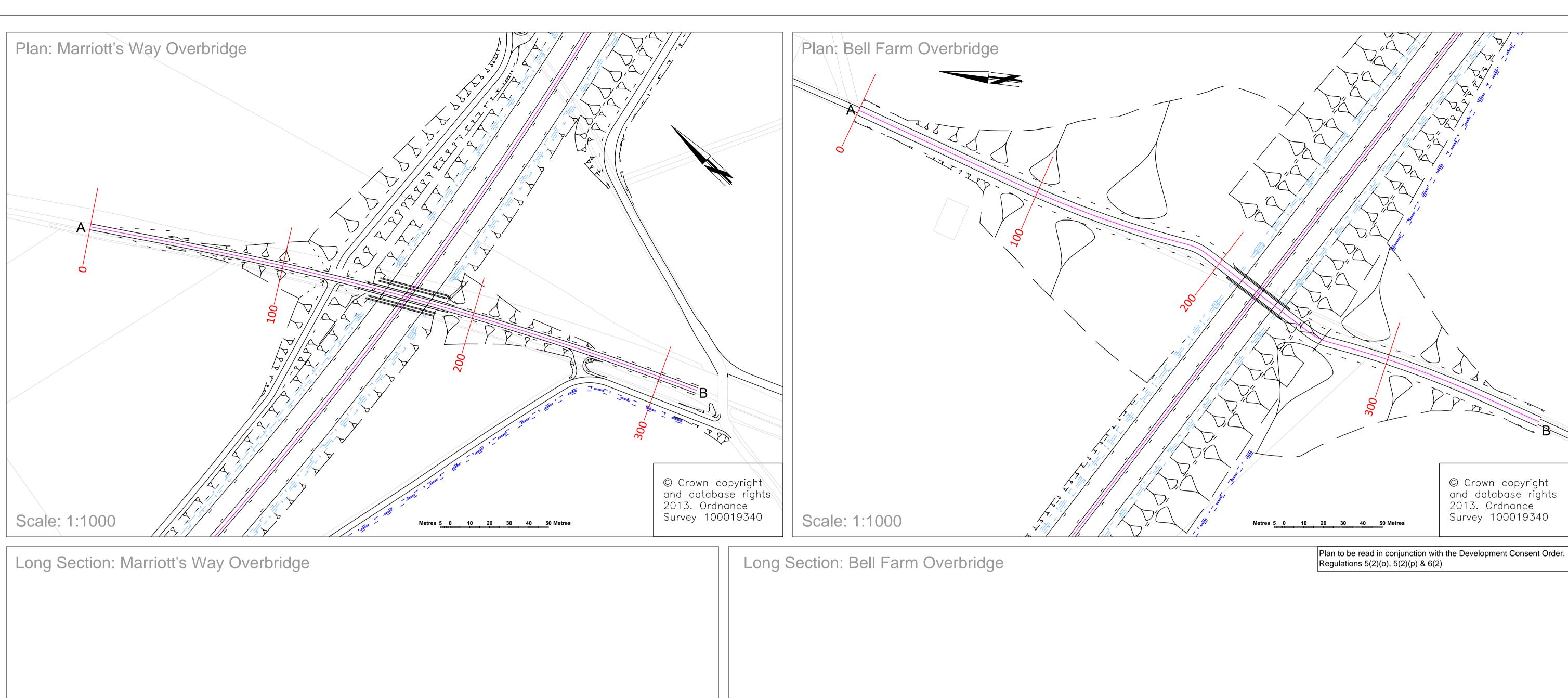


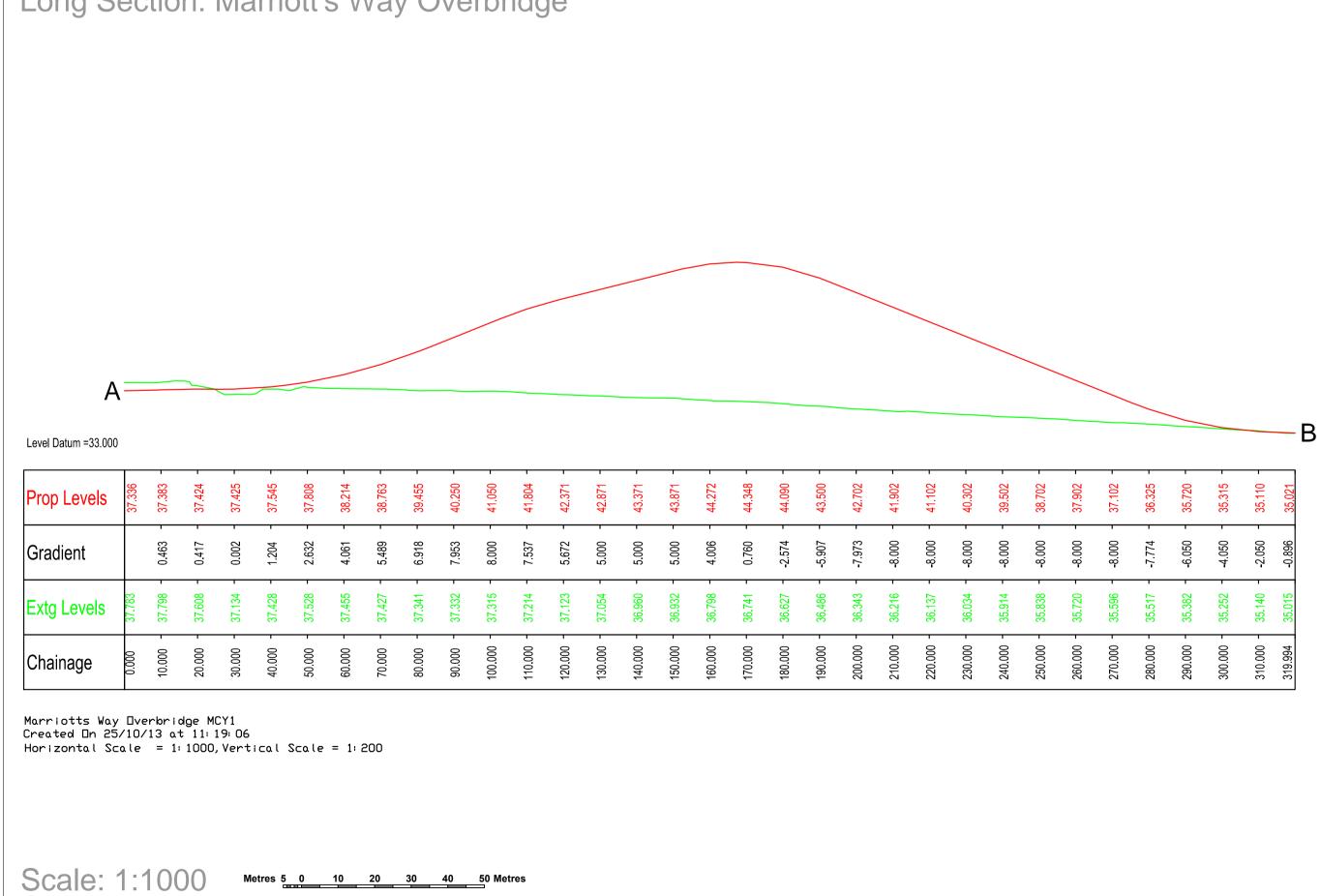


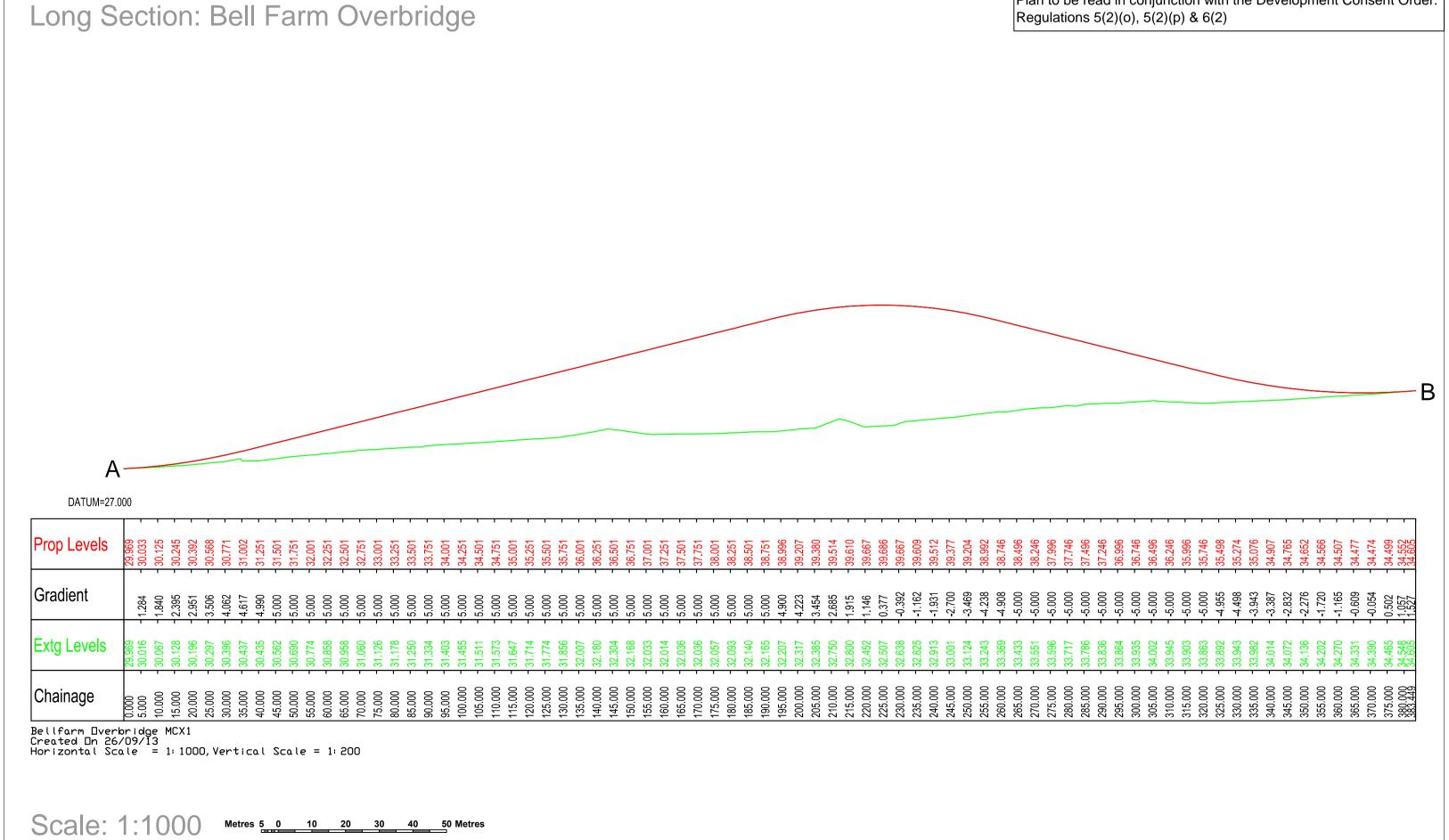
















Tom McCabe
Interim Director of Environment
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County Hall, Martineau Lane
Norwich NR1 2SG

DRAWING TITLE

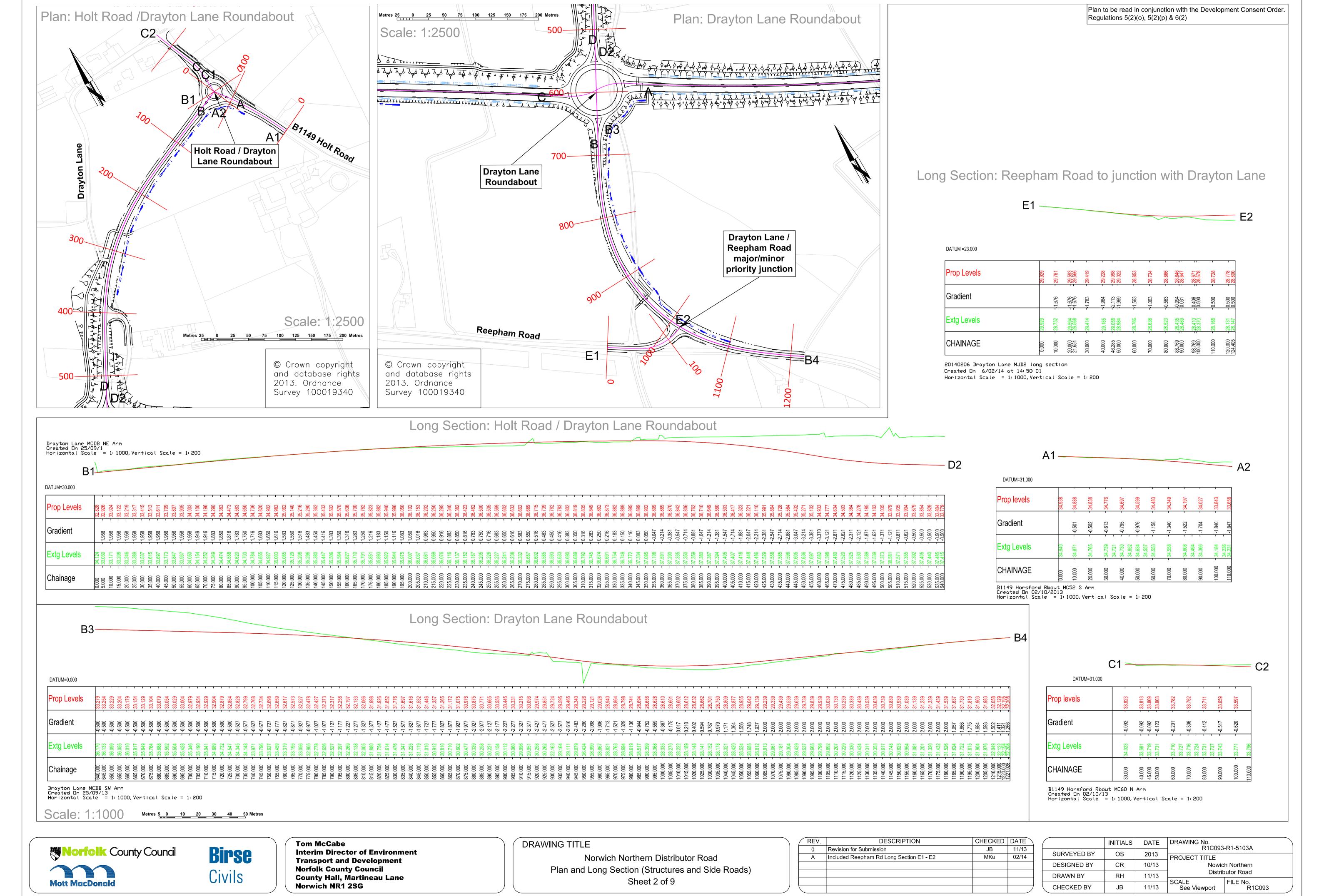
Norwich Northern Distributor Road

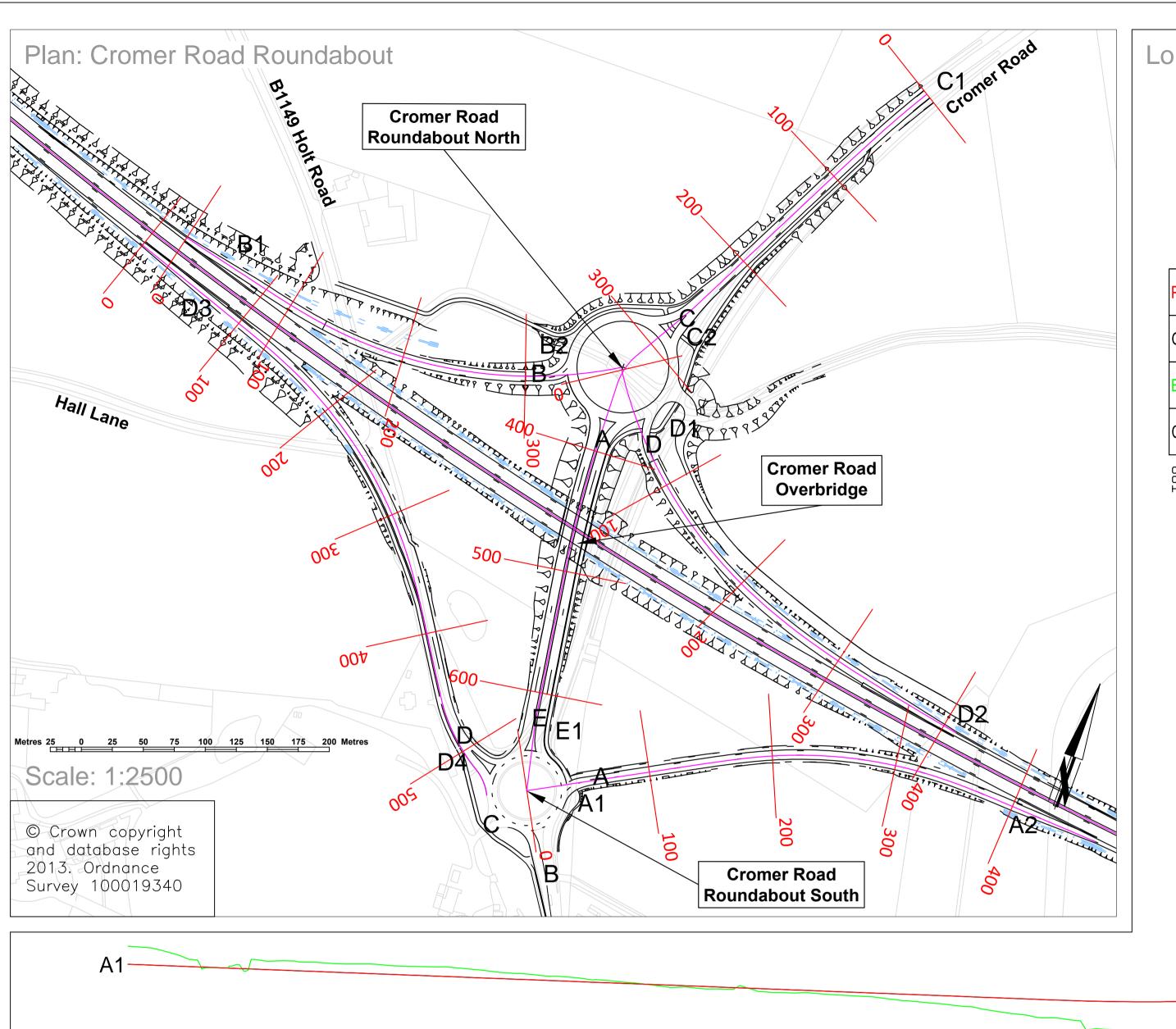
Plan and Long Section (Structures and Side Roads)

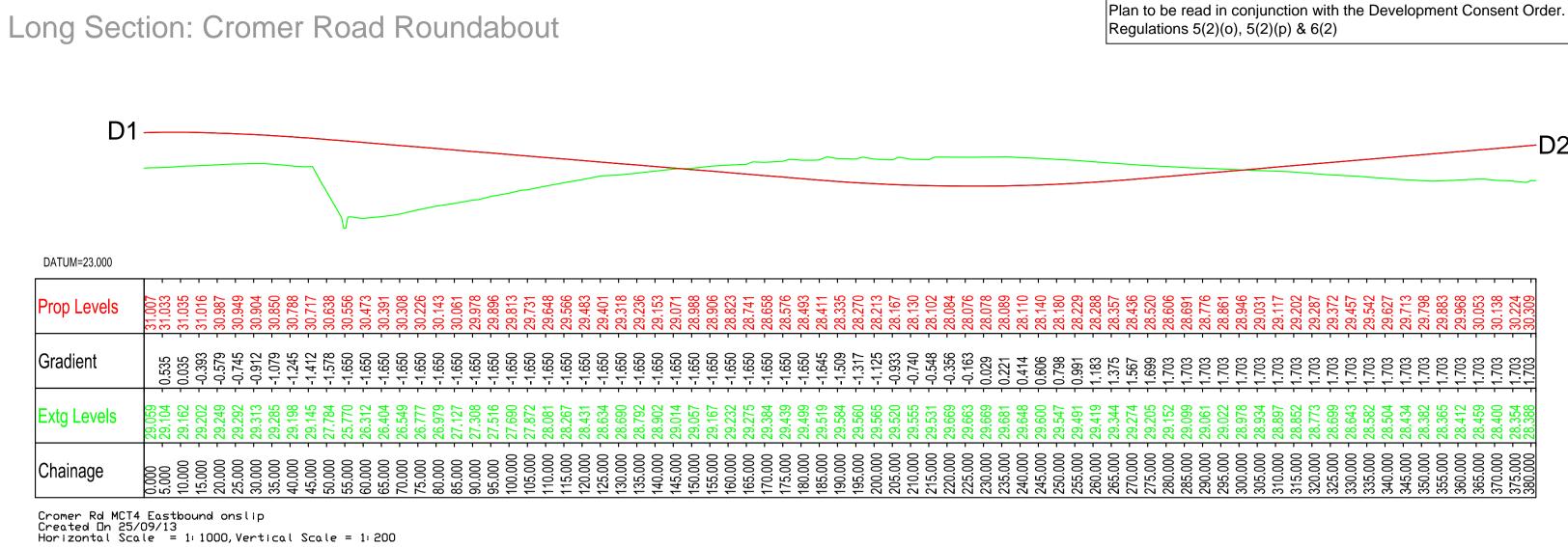
Sheet 1 of 9

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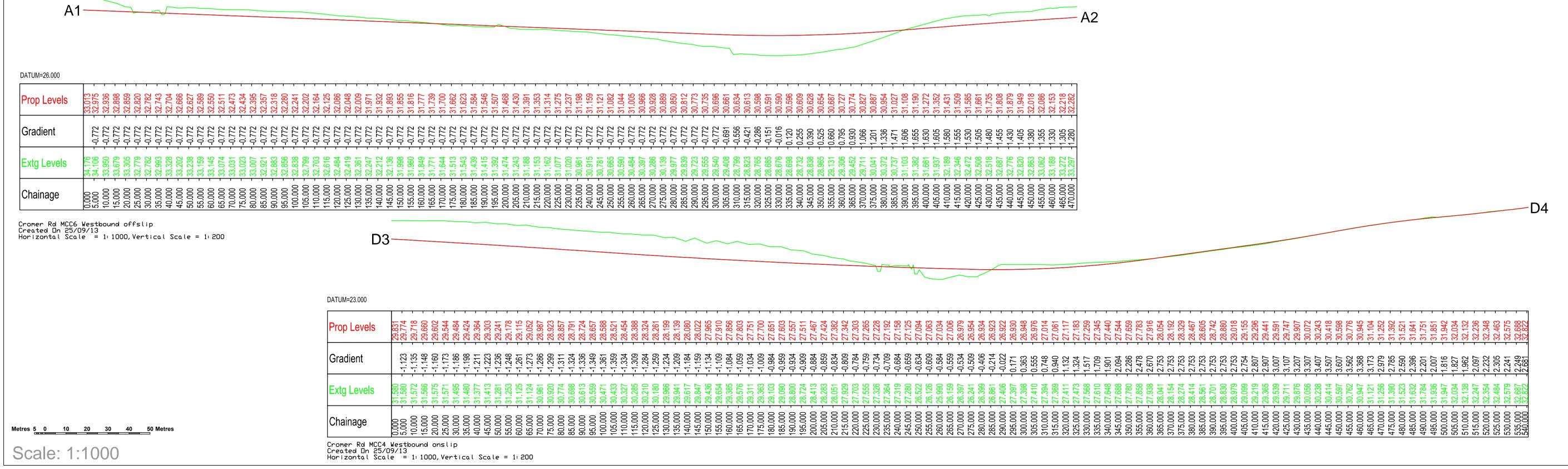
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DRAWN BY	RH	11/13		outor Road	
CHECKED BY	JB	11/13	SCALE See Viewport	FILE No. R1C093	







NB: Sections for 'Cromer Rd. Eastbound offslip' & 'Cromer Rd. N. to S. Arms' can be found on sheet 4 (Drawing R1C093-R1-5105)







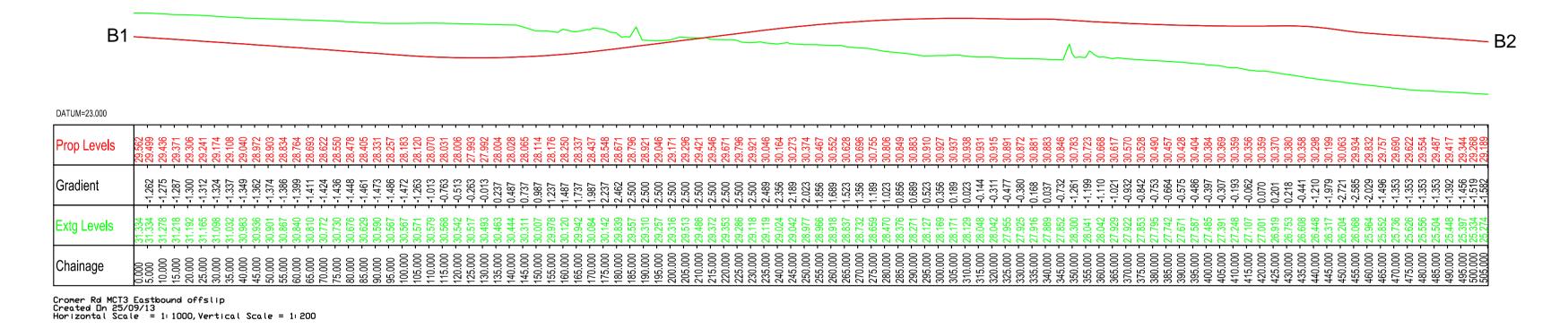
Tom McCabe Interim Director of Environment Transport and Development Norfolk County Council County Hall, Martineau Lane Norwich NR1 2SG

DRAWING TITLE

Norwich Northern Distributor Road Plan and Long Section (Structures and Side Roads) Sheet 3 of 9

REV.	DESCRIPTION	CHECKED	DATE	
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DRAWN BY	RH	11/13		outor Road	
CHECKED BY	JB	11/13	SCALE See Viewport	FILE No. R1C093	



Cromer Rd MCC3 N to S Arms Created On 25/09/13 Horizontal Scale = 1:1000, Vertical Scale = 1:200

Metres 5 0 10 20 30 40 50 Metres

Scale: 1:1000





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County Hall, Martineau Lane
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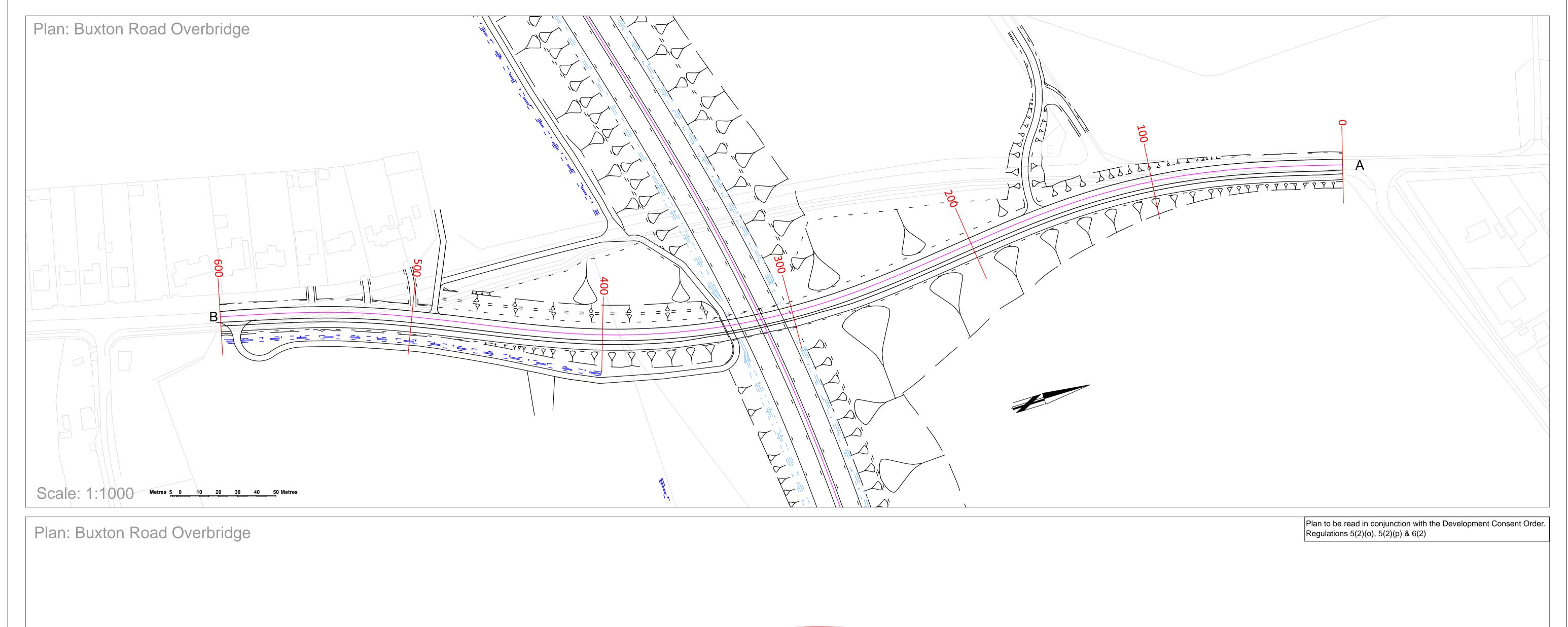
Norwich Northern Distributor Road

Plan and Long Section (Structures and Side Roads)

Sheet 4 of 9

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Scale: 1:1000 Metres 5 0 10 20 30 40 50 Metres

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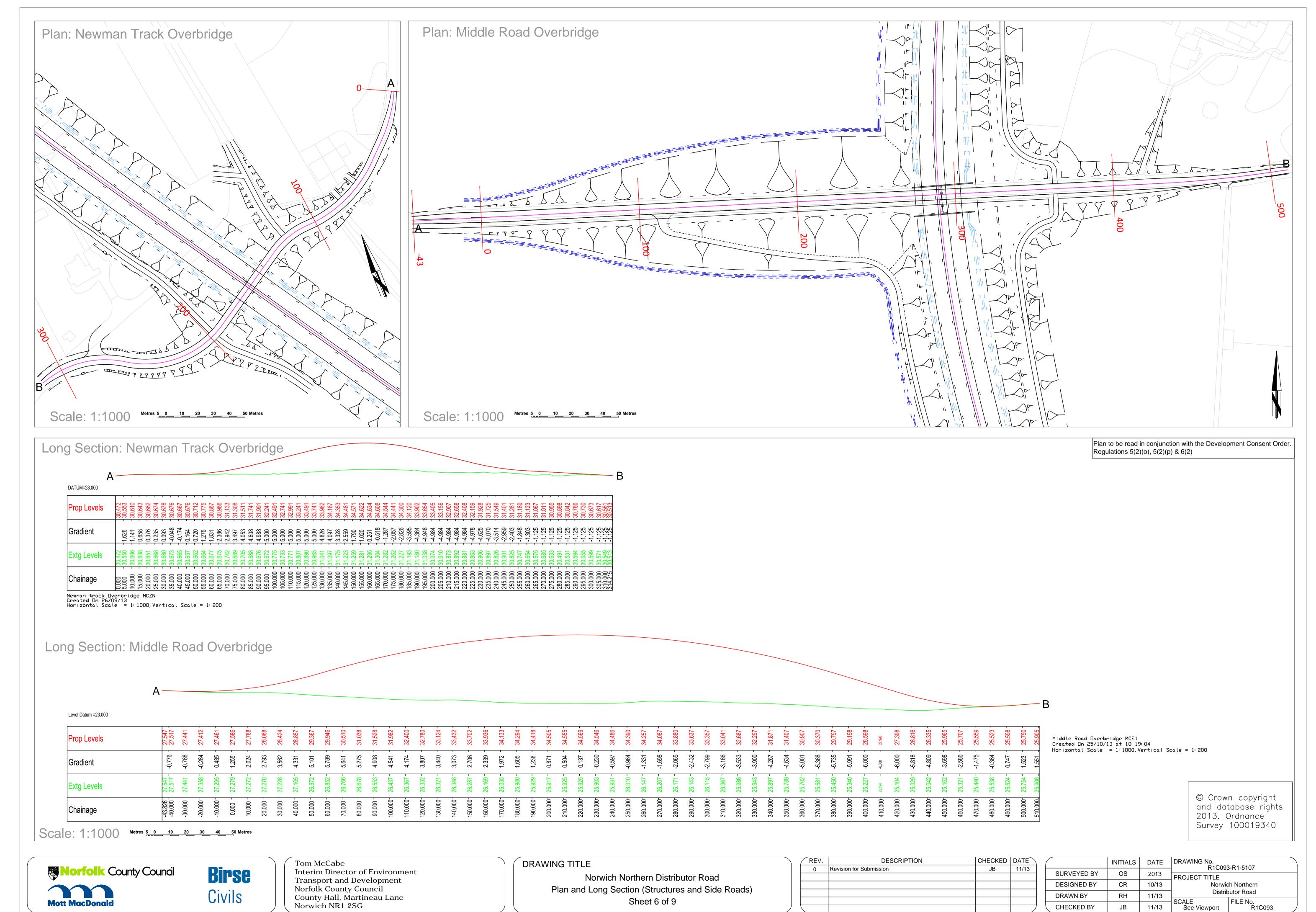
Norwich Northern Distributor Road

Plan and Long Section (Structures and Side Roads)

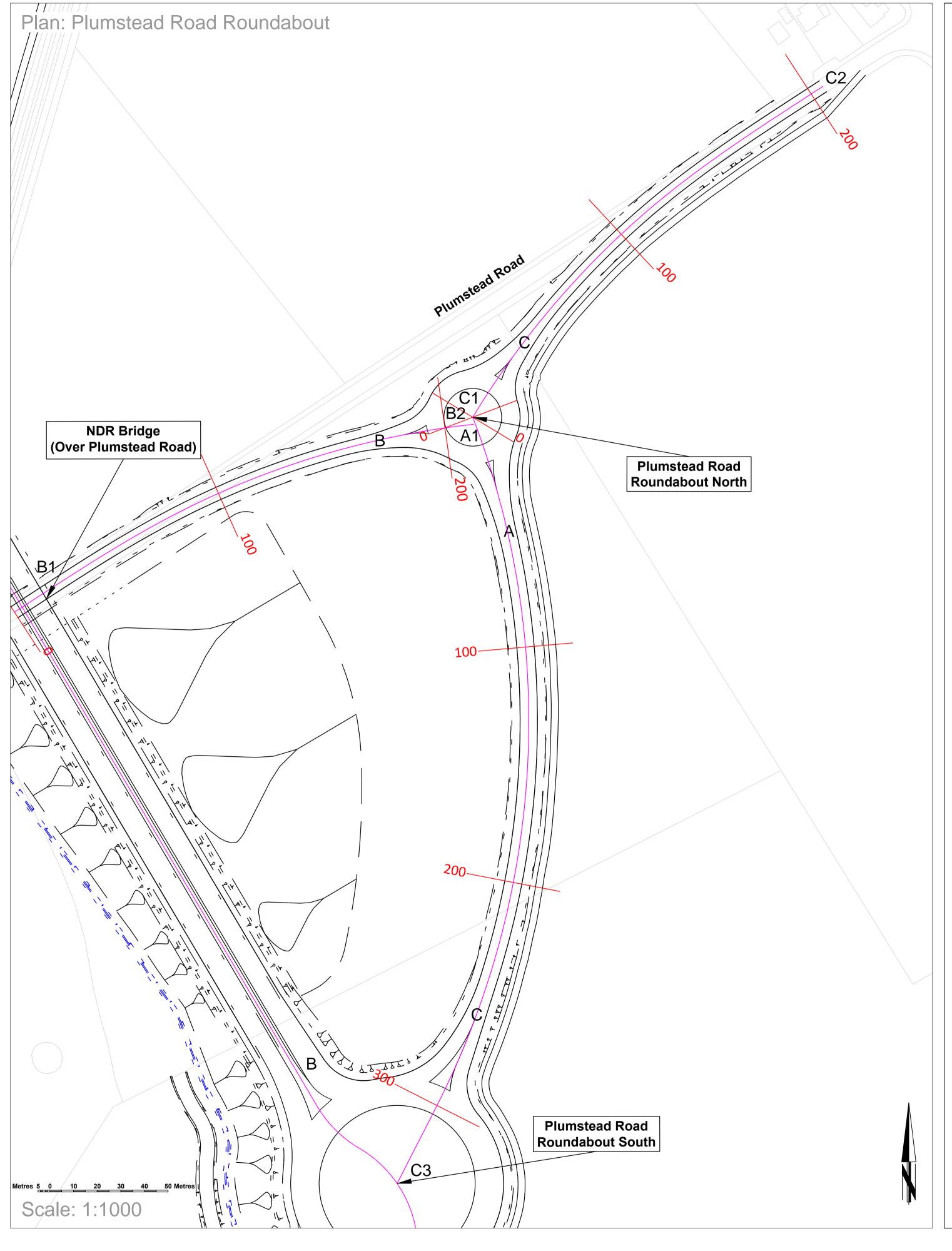
Sheet 5 of 9

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DESIGNED BY	CR	10/13	Norwic	ch Northern
DRAWN BY	RH	11/13		outor Road
CHECKED BY	JB	11/13	SCALE See Viewport	FILE No. R1C093



BIL 06/06/12



Long Section: Plumstead Road Roundabout

Plan to be read in conjunction with the Development Consent Order. Regulations 5(2)(0), 5(2)(p) & 6(2)

Chainage

Chaina

Plumstead Rd Nth Rbout MCP1 W Arm Created In 25/09/13 Horizontal Scale = 1:1000, Vertical Scale = 1:200

C1----

35.000 24.753 40.000 24.679 0.902 24.758 60.000 24.679 0.902 24.758 60.000 24.500 24.568 60.000 24.679 0.902 24.758 60.000 24.679 0.902 24.758 60.000 24.670 0.902 24.758 60.000 24.467 0.902 24.758 60.000 24.467 60.902 24.458 60.000 24.467 60.902 24.458 60.000 24.467 60.902 24.458 60.000 24.467 60.902 24.458 60.000 24.467 60.902 24.458 60.000 24.467 60.902 24.458 60.000 24.467 60.902 24.458 60.000 24.467 60.902 24.458 60.000 24.467 60.902 24.458 60.000 24.467 60.902 24.458 60.000 24.467 60.902 24.458 60.002 24.468 60.902 24.458 60.000 24.467 60.902 24.458 60.000 24.467 60.902 24.458 60.000 24.467 60.902 24.458 60.902 24.458 60.000 24.467 60.902 24.458 60.902 24.458 60.902 24.458 60.902 24.458 60.902 24.458 60.902 24.458 60.902 24.458 60.902 24.458 60.902 24.468 60.902 24.458 6

Plumstead Rd Nth Rbout MCP2 NE Arm Created In 25/09/13

Chainage

Chaina

Plumstead Rd Nth Rbout MCP3 to NDR Rbout Created In 25/09/13 Horizontal Scale = 1:1000, Vertical Scale = 1:200

Scale: 1:1000 Metres 5 0 10 20 30 40 50 Metr

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County Hall, Martineau Lane
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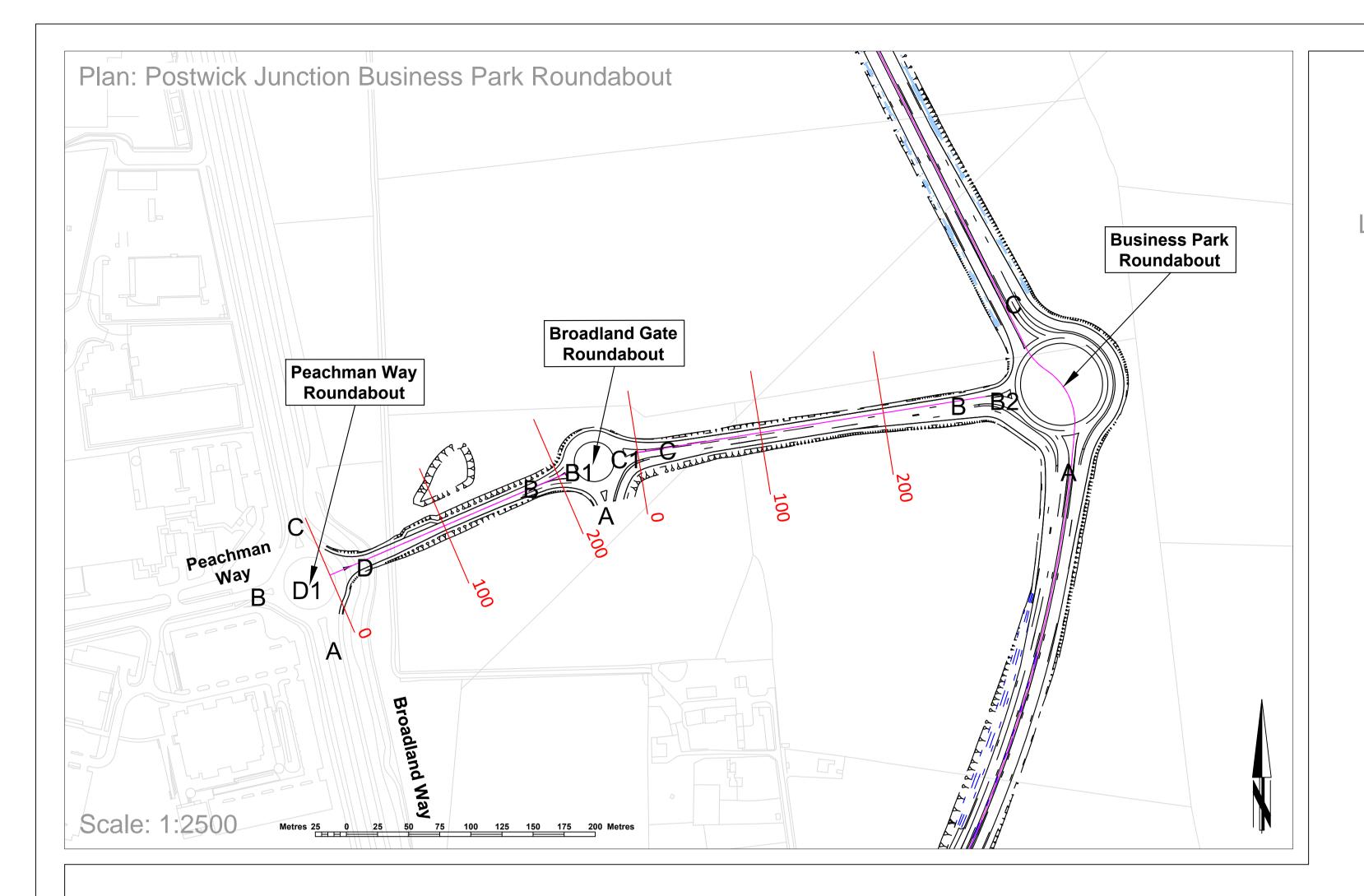
Norwich Northern Distributor Road

Plan and Long Section (Structures and Side Roads)

Sheet 7 of 9

REV.	DESCRIPTION	CHECKED	DATE
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DRAWN BY	RH	11/13	Distrik	outor Road	
		,	SCALE	FILE No.	
CHECKED BY	JB	11/13	See Viewport	R1C093)



Long Section: Postwick Junction Peachman Way to Broadland Gate Roundabout



Peachman Way to Broadland Gate Rbout MMM6 Created On 28/10/13 at 08:53:45 Horizontal Scale = 1:1000,Vertical Scale = 1:200

Long Section: Postwick Junction Broadland Gate to Business Park Roundabout

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Level Datum =21.000	C1	_																											
Prop Levels		23.350 -	23.550 -	23.750	23.950 -	24.150 -	24.350	24.550 -	24.750	24.950 -	25.150 -	25.350	25.550 -	25.750	25.946	26.112 -	26.246	26.345	26.412	26.445	26.445	26.412	26.345 -	26.259 -	26.209 -	26.210 -	26.260 -	26.360 -	26.511 -
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Broadland Gate to Business Park Rbout MC25 Created On 28/10/13 at 09:04:41 Horizontal Scale = 1:1000,Vertical Scale = 1:200

Scale: 1:1000 Metres 5 0 10 20 30 40 50 Metres

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Norfolk County Council
County Hall, Martineau Lane
Norwich NR1 2SG

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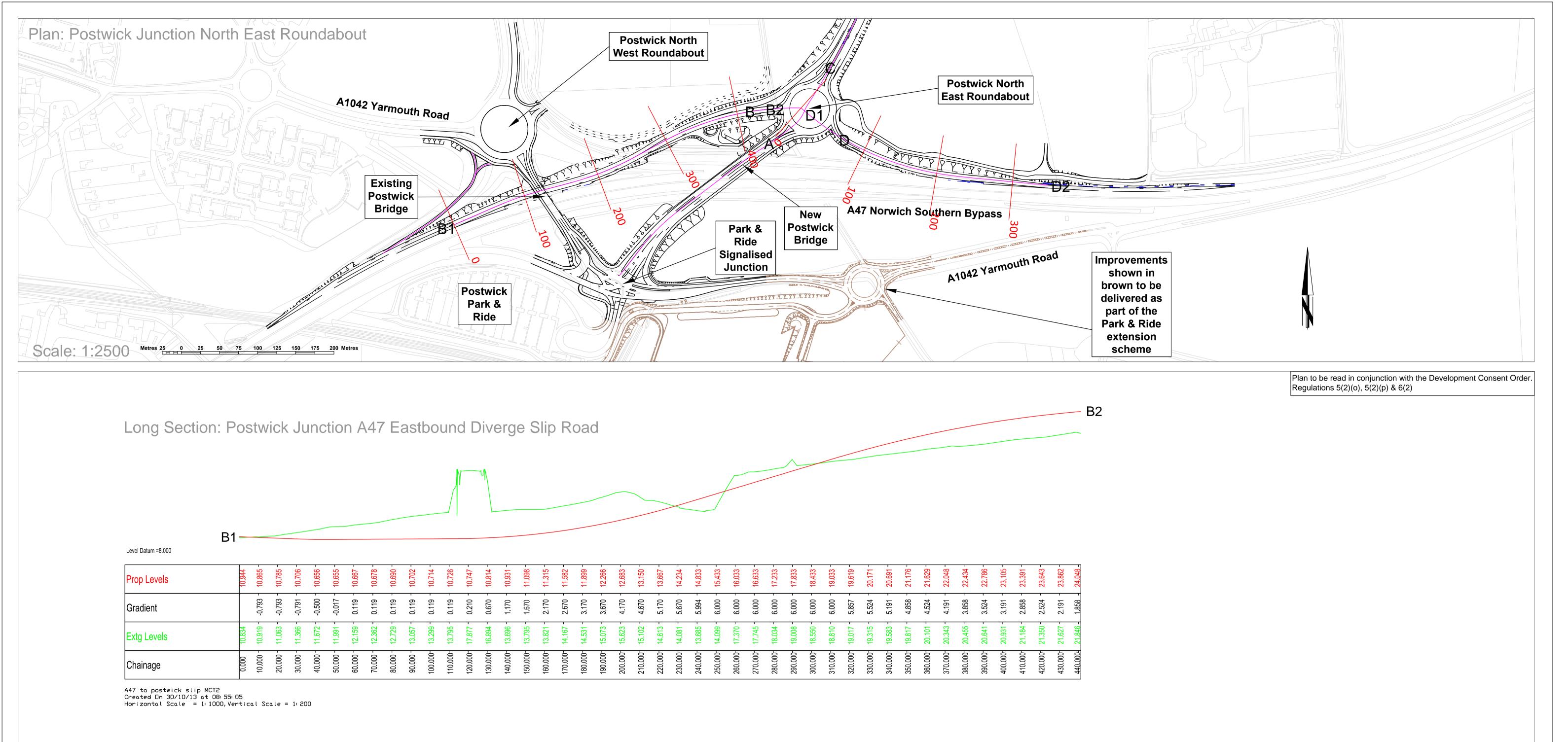
Norwich Northern Distributor Road

Plan and Long Section (Structures and Side Roads)

Sheet 8 of 9

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Long Section: Postwick Junction A47 Eastbound Merge Slip Road
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postwick to a47 slip MCT3 Created On 30/10/13 at 09:23:59 Horizontal Scale = 1:1000,Vertical Scale = 1:200

Scale: 1:1000 Metres 5 0 10 20 30 40 50 Metres

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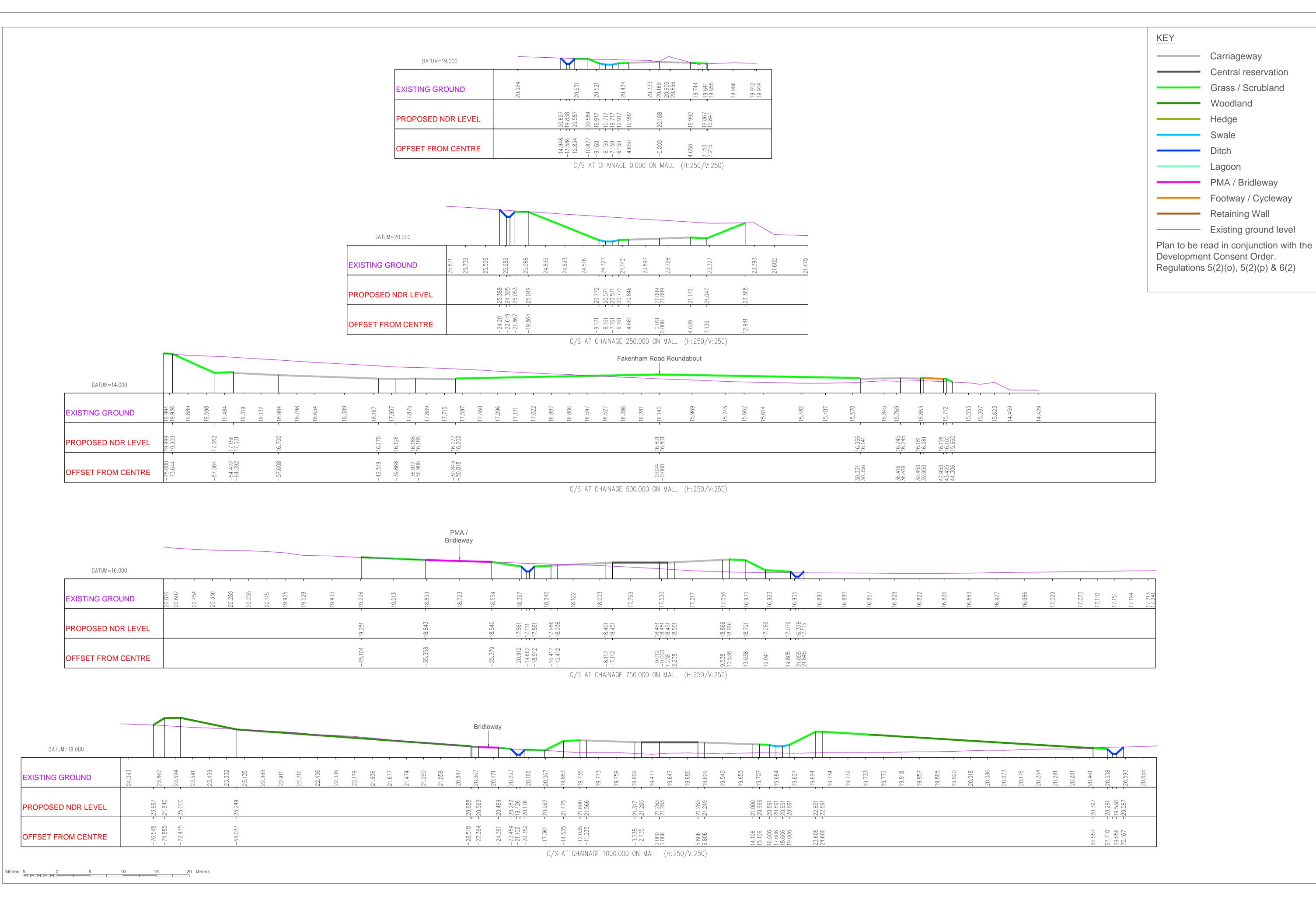
Tom McCabe
Interim Director of Environment
Transport and Development
Norfolk County Council
County Hall, Martineau Lane
Norwich NR1 2SG

DRAWING TITLE

Norwich Northern Distributor Road
Plan and Long Section (Structures and Side Roads)
Sheet 9 of 9

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DESIGNED BY	CR	10/13	Norwich Northern				
DRAWN BY	RH	11/13		outor Road			
CHECKED BY	JB	11/13	SCALE See Viewport	FILE No. R1C093			







Tom McCabe Interim Director of Environment Transport and Development Norfolk County Council County Hall, Martineau Lane Norwich NR1 2SG

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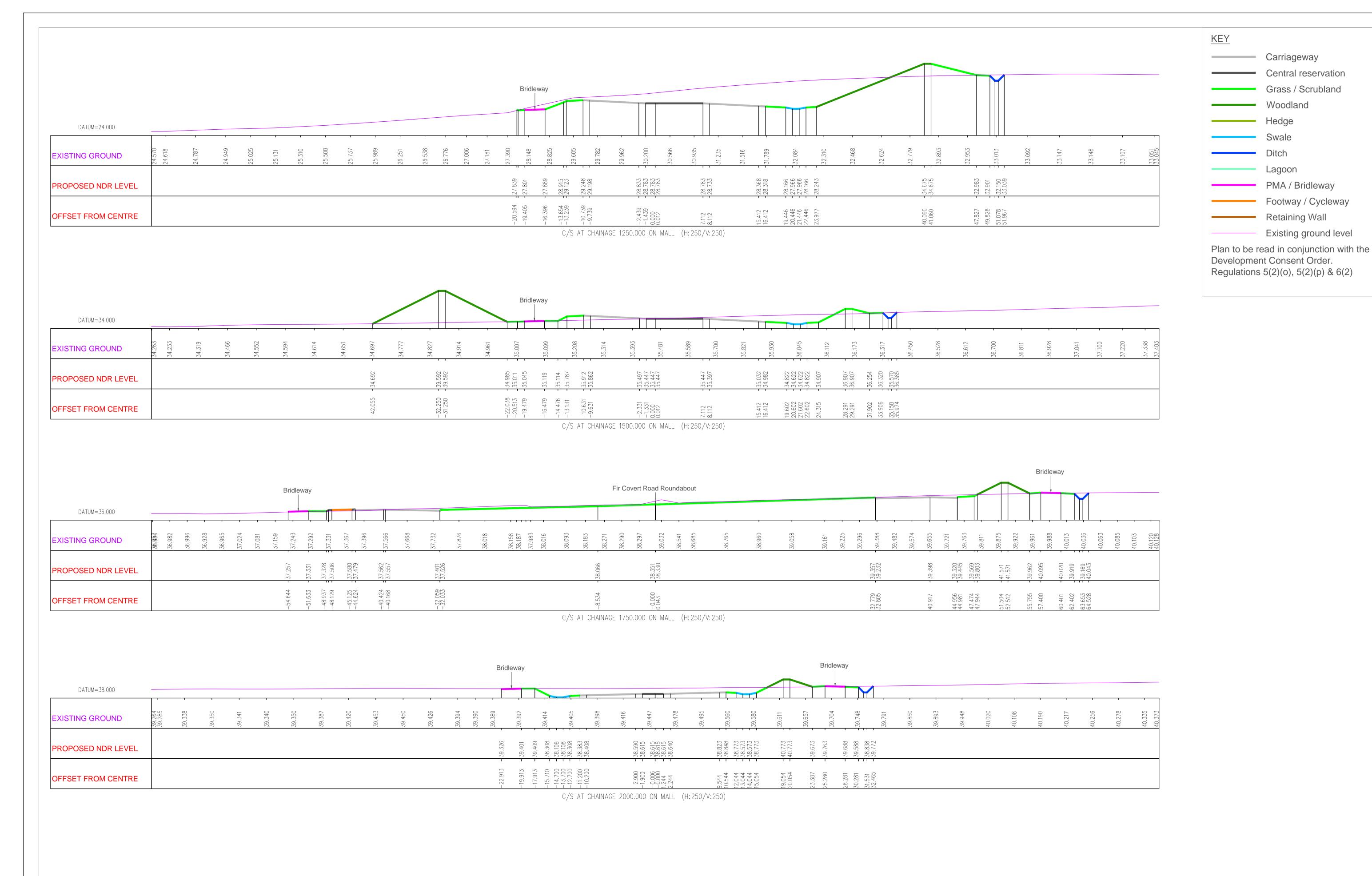
Northern Distributor Road

Mainline Cross Sections - Chainage 0 to 1000

(Sheet 1 of 17)

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DRAWN BY	RH	11/13		ibutor Road (NDR)	
CHECKED BY	JB	11/13	SCALE 1:250 @ A1	FILE No. R1C093	_





Metres 5 0 5 10 15 20 Metres



Tom McCabe Interim Director of Environment Transport and Development Norfolk County Council County Hall, Martineau Lane Norwich NR1 2SG

DRAWING TITLE

Northern Distributor Road Mainline Cross Sections - Chainage 1250 to 2000 (Sheet 2 of 17)

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		02/10	PROJECT TITLE		
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CHECKED BY	JB	11/13	1:250 @ A1	R1C093	

Carriageway

Woodland

Hedge

Swale

Lagoon

PMA / Bridleway

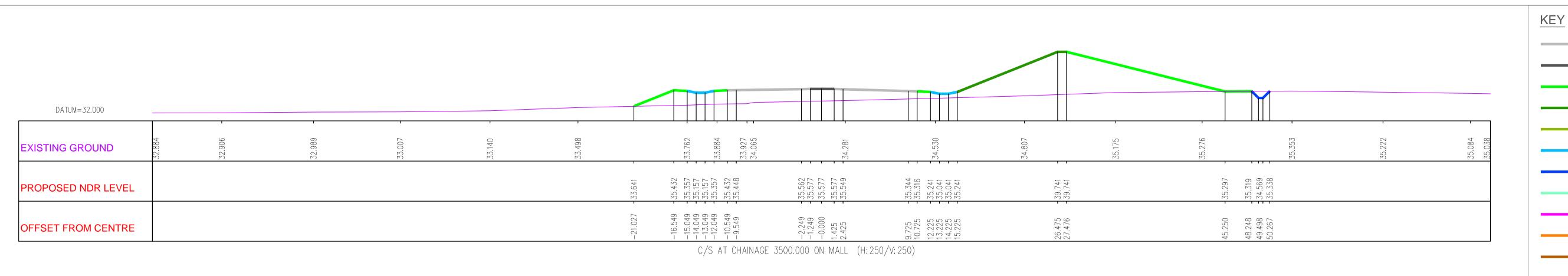
Retaining Wall

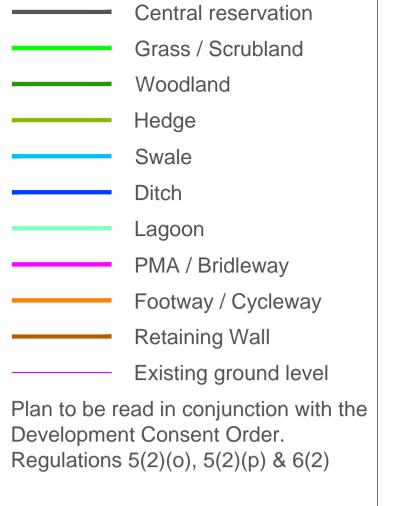
Footway / Cycleway

Existing ground level

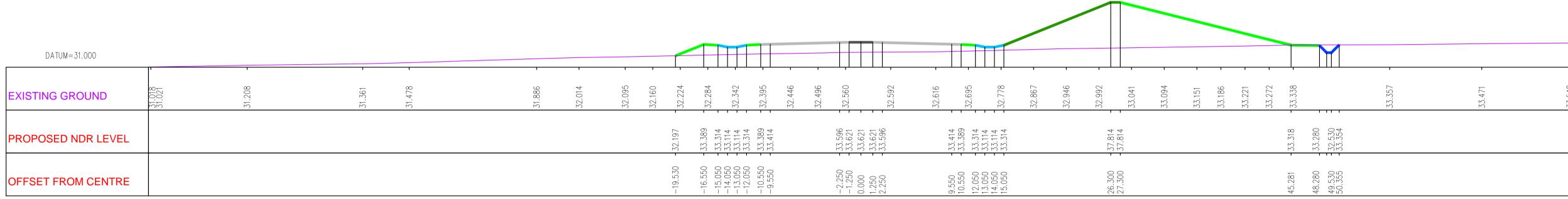
Central reservation



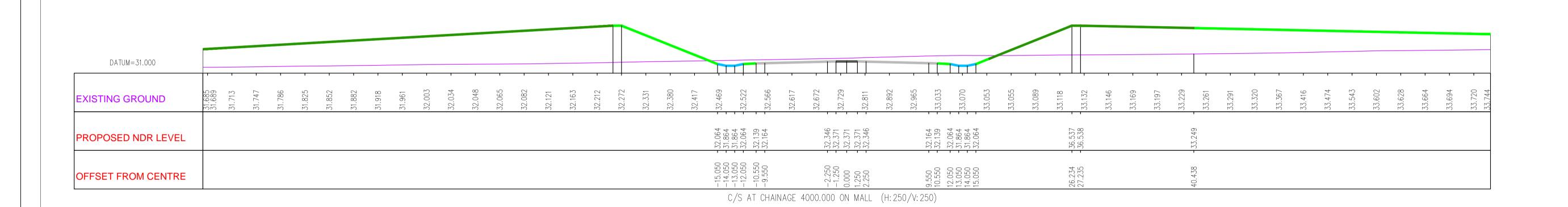




Carriageway



C/S AT CHAINAGE 3750.000 ON MALL (H: 250/V: 250)



DATUM=30.000 33.154 33.154 33.1554 33.357 33.405 33.405 33.405 33.405 33.357 33.405 33.405 33.405 33.405 33.405 33.407 33.960 **EXISTING GROUND** 30.814 30.614 30.614 30.814 30.889 30.914 33.451 33.490 32.740 33.521 34.814 34.814 30.914 30.889 30.814 30.614 30.614 30.814 PROPOSED NDR LEVEL -15.060 -14.050 -13.050 -12.050 -10.550

C/S AT CHAINAGE 4250.000 ON MALL (H: 250/V: 250)

Metres 5 0 5 10 15 20 Metres

Norfolk County Council

OFFSET FROM CENTRE



Tom McCabe Interim Director of Environment Transport and Development Norfolk County Council County Hall, Martineau Lane Norwich NR1 2SG

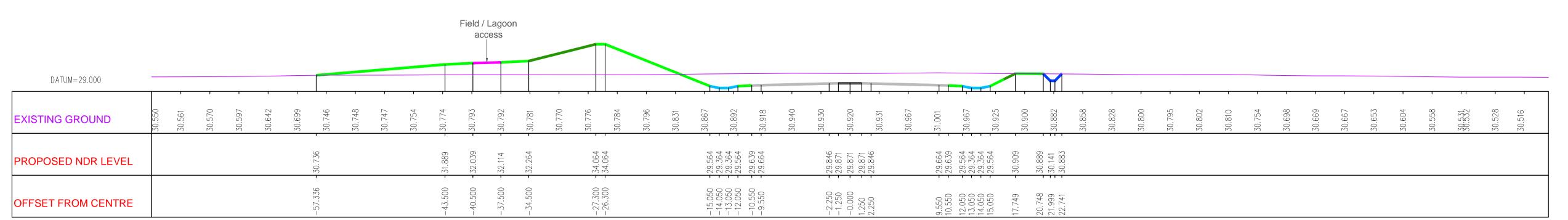
DRAWING TITLE

Northern Distributor Road Mainline Cross Sections - Chainage 3500 to 4250 (Sheet 4 of 17)

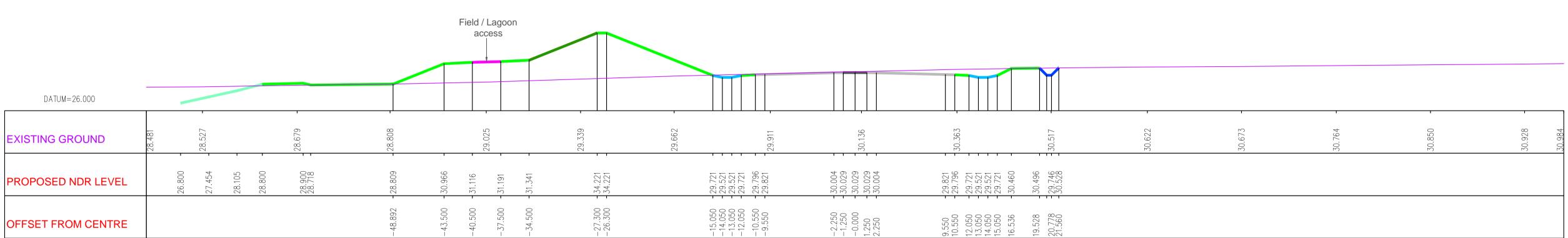
20.334 23.344 24.594 25.375

\	REV.	DESCRIPTION	CHECKED	DATE	
	0	Revision for Submission	JB	11/13	

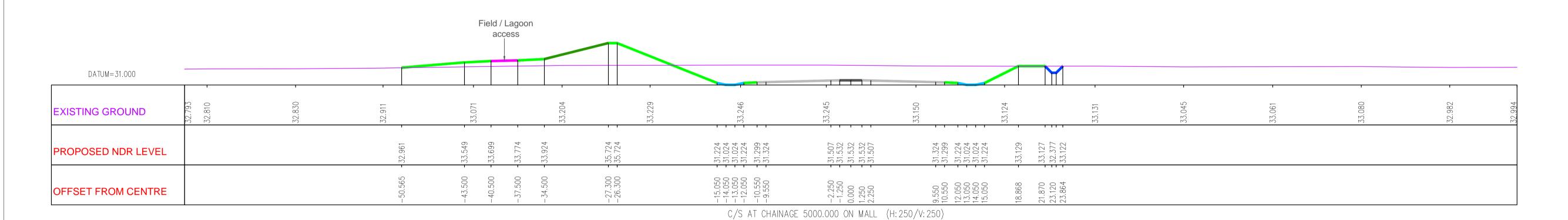
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SURVEYED BY	os	02/13		J-1(1-3110		
OUNTERED	00	02/13	PROJECT TITLE			
DESIGNED BY	CR	10/13	Norwich			
			Northern Distr	ibutor Road (NDR)		
DRAWN BY	RH	11/13		1		
			SCALE	FILE No.		
CHECKED BY	JB	11/13	1:250 @ A1	R1C093	/	
	1		l .		_	



C/S AT CHAINAGE 4500.000 ON MALL (H: 250/V: 250)



C/S AT CHAINAGE 4750.000 ON MALL (H: 250/V: 250)



C/S AT CHAINAGE 5250.000 ON MALL (H: 250/V: 250)

Norfolk County Council

Metres 5 0 5 10 15 20 Metres



Tom McCabe
Interim Director of Environment
Transport and Development
Norfolk County Council
County Hall, Martineau Lane
Norwich NR1 2SG

DRAWING TITLE

Northern Distributor Road

Mainline Cross Sections - Chainage 4500 to 5250

(Sheet 5 of 17)

١	REV.	DESCRIPTION	CHECKED	DATE	
	0	Revision for Submission	JB	11/13	
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		INITIALS	DATE	DRAWING No. R1C093-R1-5119			
SURVEYED	BY	os	02/13	PROJECT TITLE			
DESIGNED	BY	CR	10/13	Norwich			
DRAWN BY	•	RH	11/13		ibutor Road (NDR)		
CHECKED	BY	JB	11/13	SCALE 1:250 @ A1	FILE No. R1C093		

KEY

Carriageway

Woodland

Hedge

Swale

Ditch

Lagoon

PMA / Bridleway

Retaining Wall

Plan to be read in conjunction with the

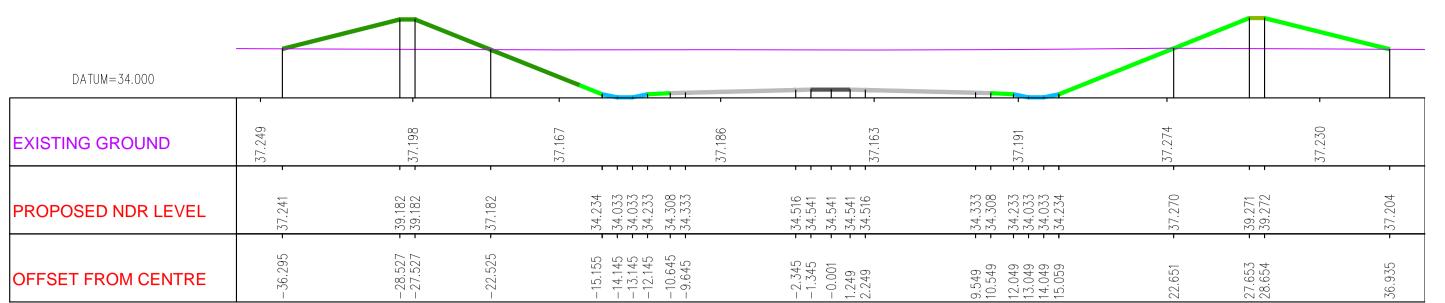
Regulations 5(2)(o), 5(2)(p) & 6(2)

Development Consent Order.

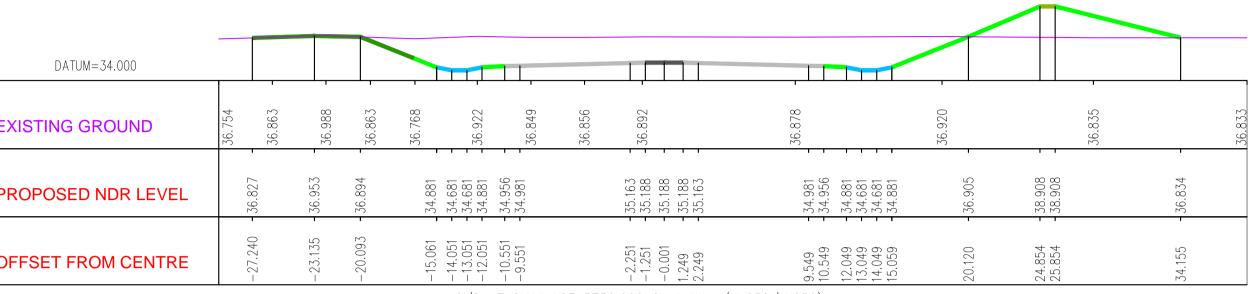
Footway / Cycleway

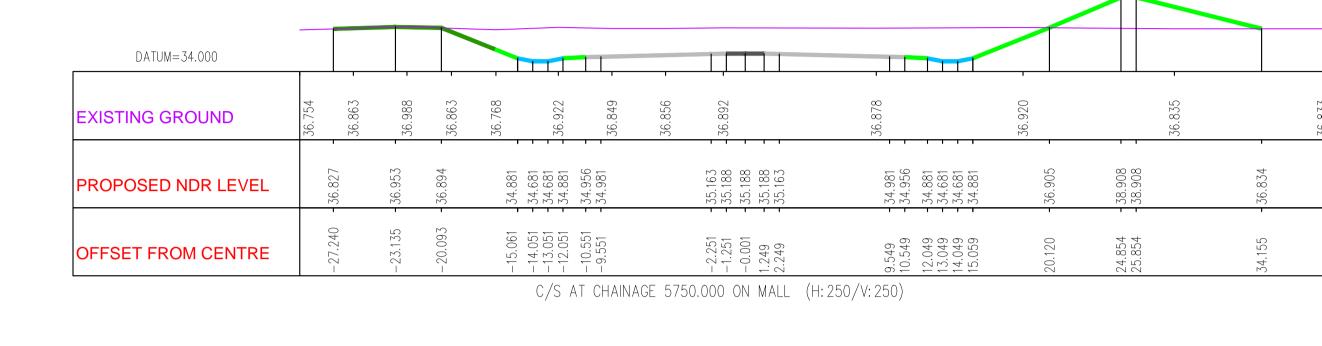
Existing ground level

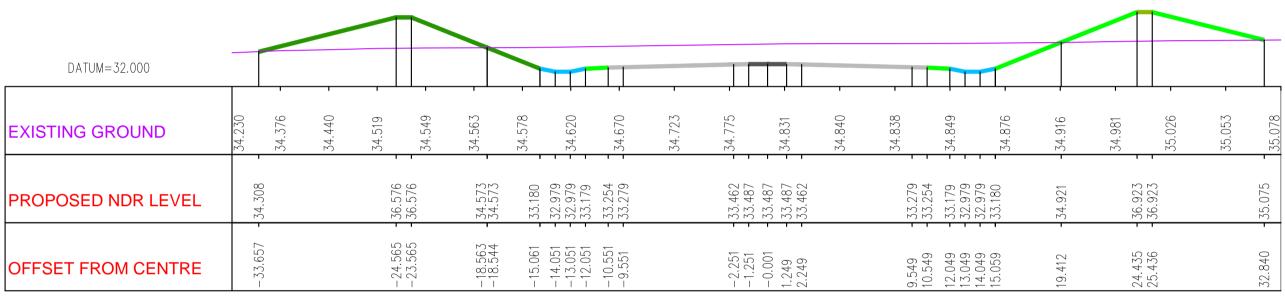
Central reservation



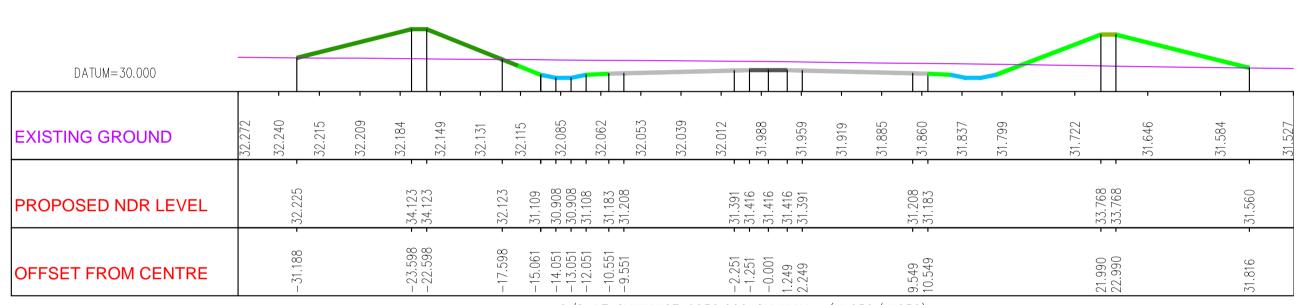
C/S AT CHAINAGE 5500.000 ON MALL (H: 250/V: 250)



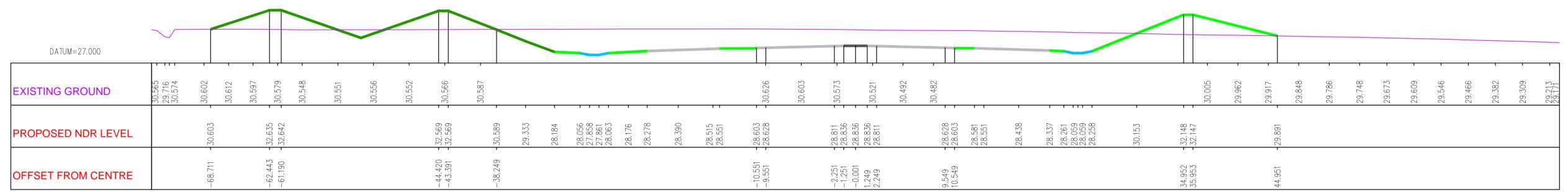




C/S AT CHAINAGE 6000.000 ON MALL (H: 250/V: 250)



C/S AT CHAINAGE 6250.000 ON MALL (H: 250/V: 250)



C/S AT CHAINAGE 6500.000 ON MALL (H: 250/V: 250)

DATUM=22.000					,																					
EXISTING GROUND	26.082	26.001	25.971	25.949 -	25.939	25.952	25.960	26.018	26.070	26.112	26.190	26.324	26.390	26.523 -	- 26.630 -	26.716	26.823	- 26.922	27.031	_ 27.125	-27.238 -	- 27.391	- - -	026.72	27.611	27.467
PROPOSED NDR LEVEL					- - - - - - - - - - - - - - - - - - -	24.882 -24.682 -24.682	. 1 (1 (1		-25.164 -25.189 -25.189 -25.189	-25.164	-24.982 -74.957	-24.882 -24.682 -24.682 -24.882	-26.412		26.642	26.000	24.845	23.891	22.925	22.300 22.300 22.300	23.377	24.188	25.020	25.900	25.928	25.068 24.745
OFFSET FROM CENTRE					17 776	1 1 1	1 1 1		-2.251 -1.251 -0.001 1.249			12.049 13.049 14.049 15.059	18.885													

C/S AT CHAINAGE 6750.000 ON MALL (H: 250/V: 250)

Norfolk County Council

Metres 5 0 5 10 15 20 Metres



Tom McCabe Interim Director of Environment Transport and Development Norfolk County Council County Hall, Martineau Lane Norwich NR1 2SG

DRAWING TITLE

Northern Distributor Road Mainline Cross Sections - Chainage 5500 to 6750 (Sheet 6 of 17)

\	REV.	DESCRIPTION	CHECKED	DATE	
	0	Revision for Submission	JB	11/13	
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	INITIALS	DATE	DRAWING No. R1C093-R1-5120		
SURVEYED BY	os	02/13	PROJECT TITLE	J-1(1-0120	
DESIGNED BY	CR	10/13	Norwich		
DRAWN BY	RH	11/13		ibutor Road (NDR)	
CHECKED BY	JB	11/13	SCALE 1:250 @ A1	FILE No. R1C093	

KEY

Carriageway

Woodland

Hedge

Swale

Ditch

Lagoon

PMA / Bridleway

Retaining Wall

Plan to be read in conjunction with the

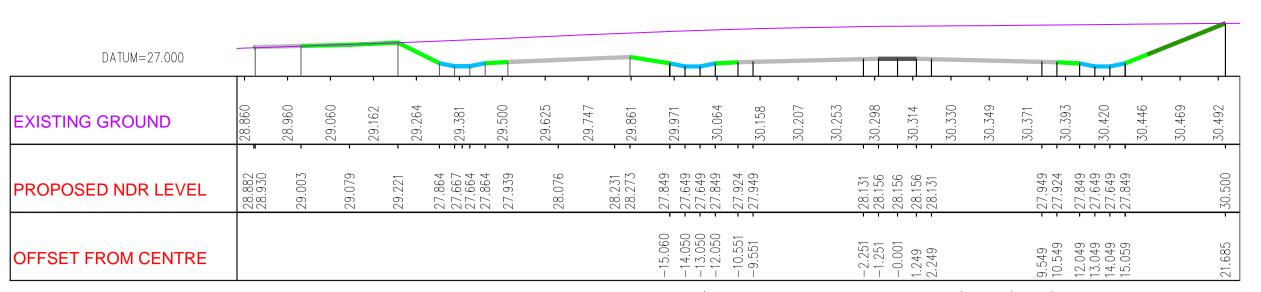
Regulations 5(2)(o), 5(2)(p) & 6(2)

Development Consent Order.

Footway / Cycleway

Existing ground level

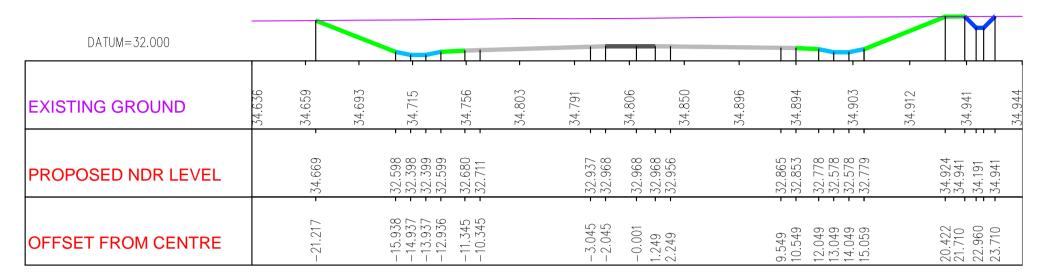
Central reservation



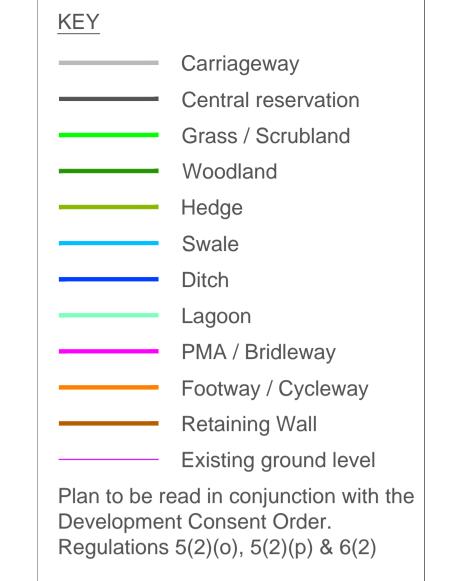
C/S AT CHAINAGE 7000.000 ON MALL (H: 250/V: 250)

DATUM=31.000		ļП	, , , , , , ,	
EXISTING GROUND	32.349	32.480	32.365	32.576 32.626 32.647 32.697
PROPOSED NDR LEVEL	32.327 31.731 31.522 31.531 31.732 31.807 31.866	32.048 32.073 32.073 32.073 32.048		31.702 31.638 31.561 31.350 31.558 31.558 32.672 32.672
OFFSET FROM CENTRE	-10.551	-2.251 -1.251 -0.001 1.249 2.249	9.549	

C/S AT CHAINAGE 7250.000 ON MALL (H: 250/V: 250)

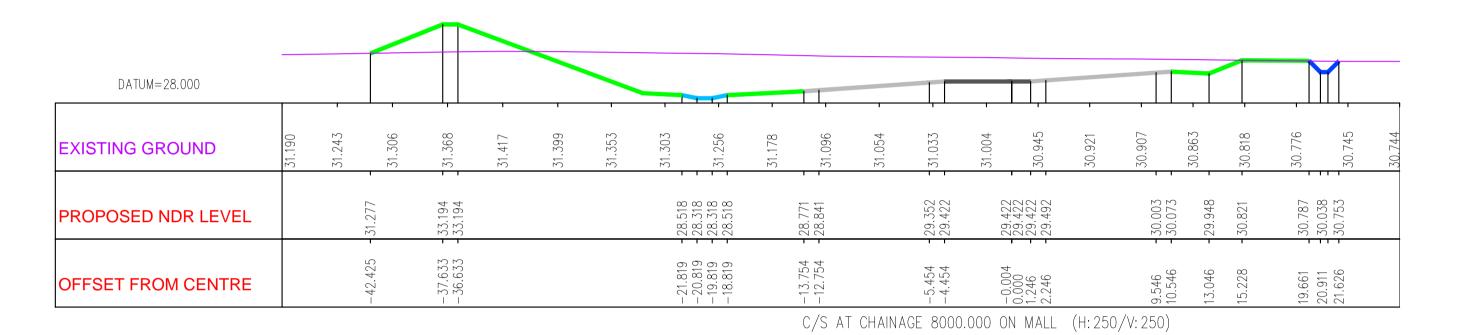


C/S AT CHAINAGE 7750.000 ON MALL (H: 250/V: 250)



OLESE1 LAND DESCRIPTION OF STATE OF STA

C/S AT CHAINAGE 7500.000 ON MALL (H: 250/V: 250)



C/S AT CHAINAGE 8500.000 ON MALL (H: 250/V: 250)

Norfolk County Council

Metres 5 0 5 10 15 20 Metres

DATUM=33.000



Tom McCabe
Interim Director of Environment
Transport and Development
Norfolk County Council
County Hall, Martineau Lane
Norwich NR1 2SG

DRAWING TITLE

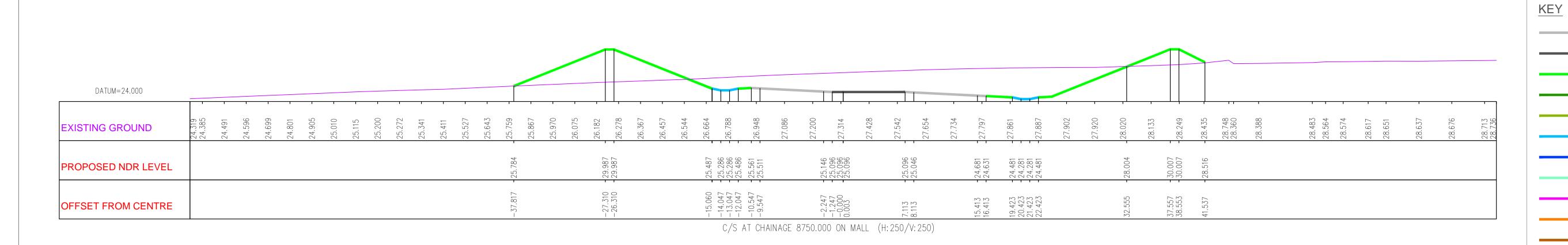
Northern Distributor Road

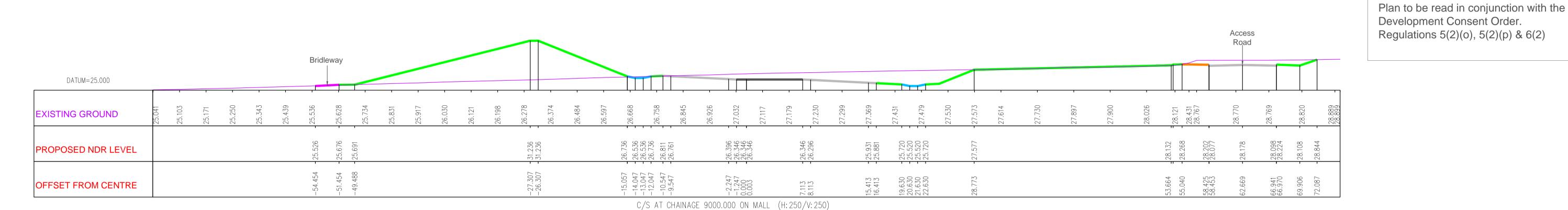
Mainline Cross Sections - Chainage 7000 to 8500

(Sheet 7 of 17)

١	REV.	DESCRIPTION	CHECKED	DATE	
	0	Revision for Submission	JB	11/13	
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	INITIALS	DATE	DRAWING No. R1C093-R1-5121			
SURVEYED BY	os	02/13				
OOKVETED DI	00	02/13	PROJECT TITLE			
DESIGNED BY	CR	10/13	Norwich			
DRAWN BY	RH	11/13	Northern Distributor Road (NDR)			
	1311	1 1/ 10	SCALE	FILE No.		
CHECKED BY	JB	11/13	1:250 @ A1	R1C093		



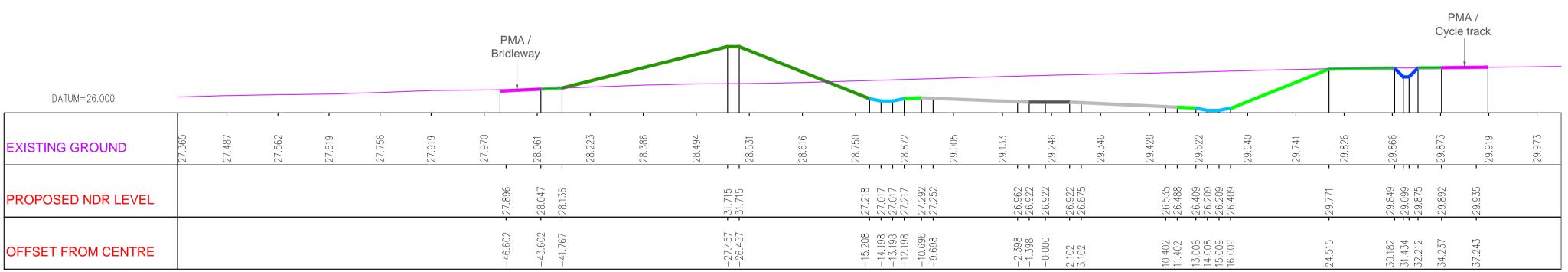


PMA / Bridleway

DAILU-26 030

EXISTING GROUND

| PMA / Bridleway



C/S AT CHAINAGE 9500.000 ON MALL (H: 250/V: 250)

C/S AT CHAINAGE 9250.000 ON MALL (H: 250/V: 250)

Norfolk County Council

Metres 5 0 5 10 15 20 Metres



Tom McCabe
Interim Director of Environment
Transport and Development
Norfolk County Council
County Hall, Martineau Lane
Norwich NR1 2SG

DRAWING TITLE

Northern Distributor Road

Mainline Cross Sections - Chainage 8750 to 9500

(Sheet 8 of 17)

١	REV.	DESCRIPTION	CHECKED	DATE	
	0	Revision for Submission	JB	11/13	
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	INITIALS	DATE	DRAWING No.	R-R1-5122
CHDVEVED DV	00	00/40	R1C093-R1-5122 PROJECT TITLE Norwich	
SURVEYED BY	os	02/13		
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DESIGNED BY	CR	10/13		
			Northern Distr	ibutor Road (NDR)
DRAWN BY	RH	11/13		
			SCALE	FILE No.
CHECKED BY	JB	11/13	1:250 @ A1	R1C093

Carriageway

Woodland

Hedge

Swale

Lagoon

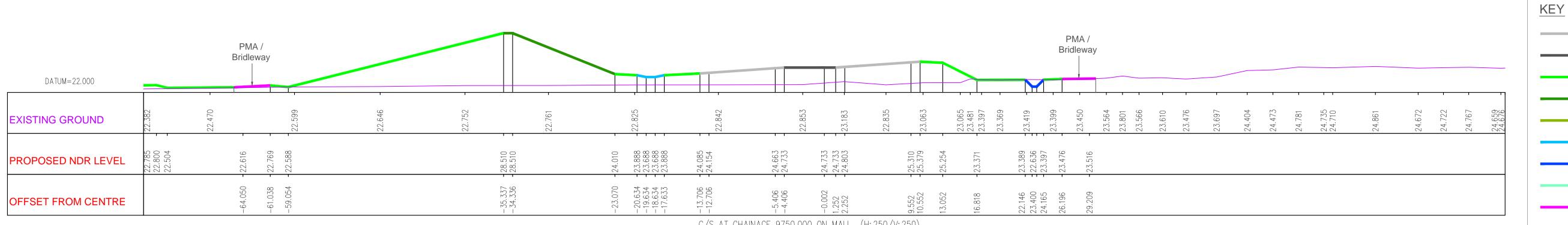
PMA / Bridleway

Retaining Wall

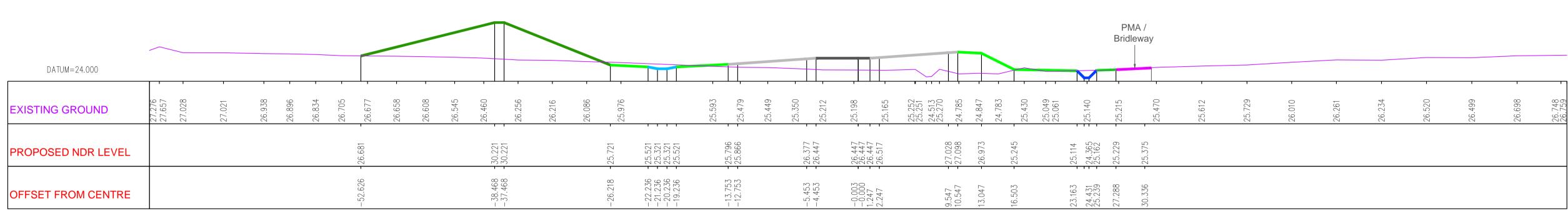
Footway / Cycleway

Existing ground level

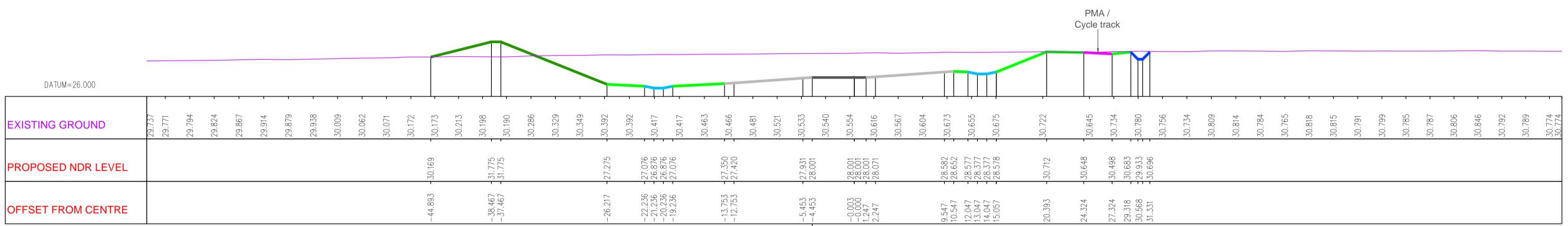
Central reservation



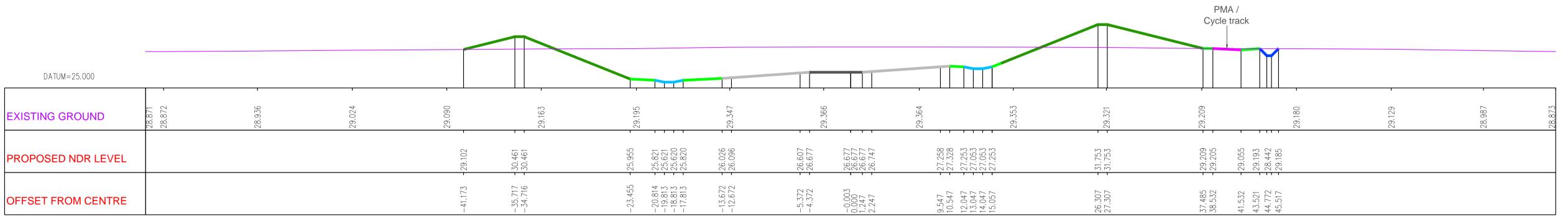
C/S AT CHAINAGE 9750.000 ON MALL (H: 250/V: 250)



C/S AT CHAINAGE 10000.000 ON MALL (H: 250/V: 250)



C/S AT CHAINAGE 10250.000 ON MALL (H: 250/V: 250)



C/S AT CHAINAGE 10500.000 ON MALL (H: 250/V: 250)

Metres 5 0 5 10 15 20 Metres





Tom McCabe Interim Director of Environment Transport and Development Norfolk County Council County Hall, Martineau Lane Norwich NR1 2SG

DRAWING TITLE

Northern Distributor Road Mainline Cross Sections - Chainage 9750 to 10500 (Sheet 9 of 17)

\	REV.	DESCRIPTION	CHECKED	DATE	
	0	Revision for Submission	JB	11/13	
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	INITIALS	DATE	DRAWING No.	3-R1-5123	
SURVEYED BY	os	02/13		J-1(1-0120	
		02/10	PROJECT TITLE		
DESIGNED BY	CR	10/13		orwich	
DRAWN BY	RH	11/13	Northern Distr	ibutor Road (NDR)	
DIVAVVIVIDI	1311	1 1/ 13	SCALE	FILE No.	
CHECKED BY	JB	11/13	1:250 @ A1	R1C093	

Carriageway

Woodland

Hedge

Swale

Ditch

Lagoon

PMA / Bridleway

Retaining Wall

Plan to be read in conjunction with the

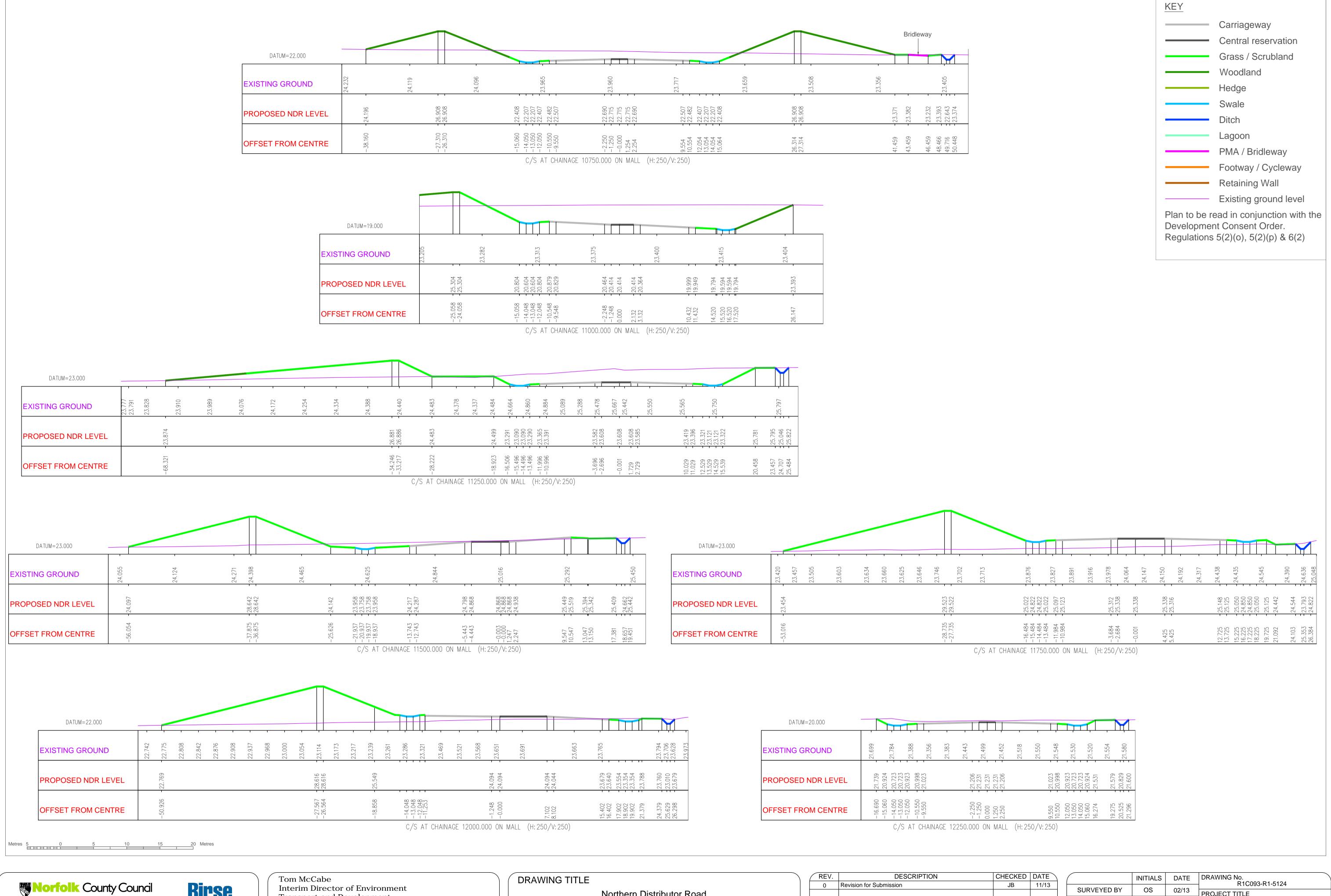
Development Consent Order.

Regulations 5(2)(o), 5(2)(p) & 6(2)

Footway / Cycleway

Existing ground level

Central reservation



Mott MacDone



Interim Director of Environment Transport and Development Norfolk County Council County Hall, Martineau Lane Norwich NR1 2SG

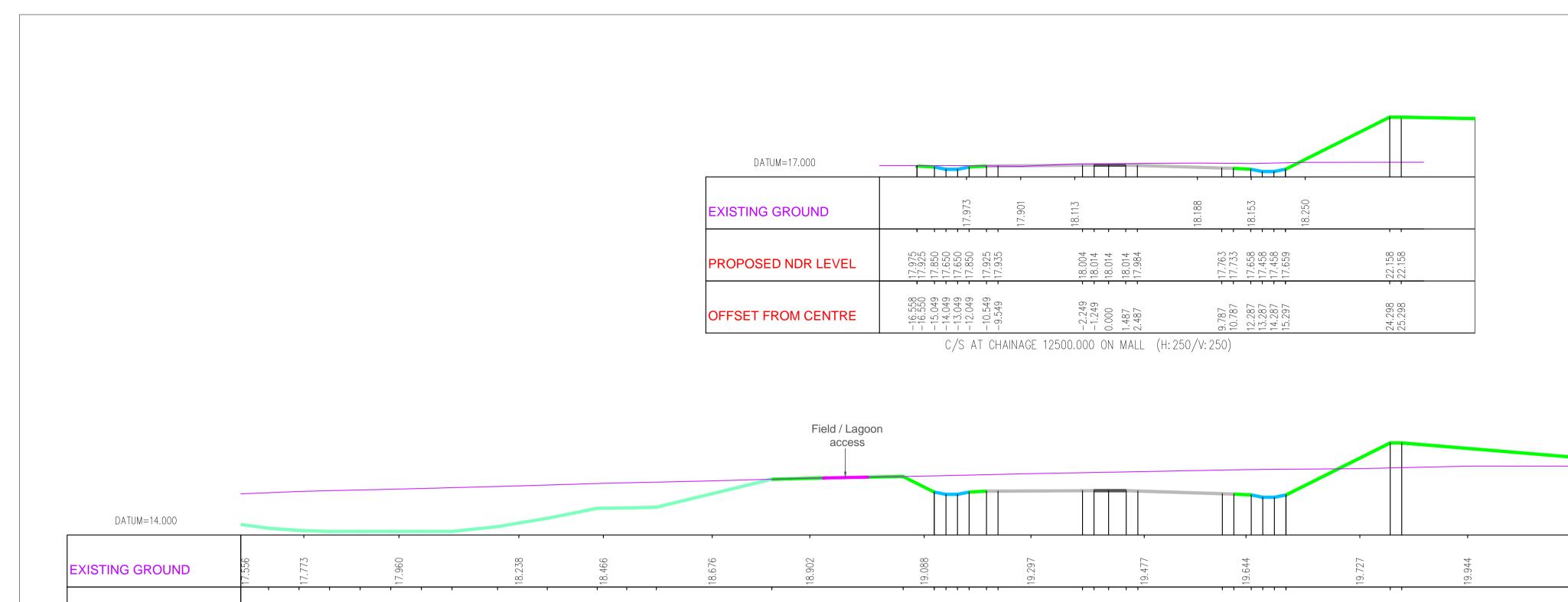
Northern Distributor Road

Mainline Cross Sections - Chainage 10750 to 12250

(Sheet 10 of 17)

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	INITIALS	DATE	DRAWING No.	3-R1-5124	
SURVEYED BY	os	02/13	PROJECT TITLE		
DESIGNED BY	CR	10/13	N	orwich	
DRAWN BY	RH	11/13			
CHECKED BY	JB	11/13	SCALE 1:250 @ A1	FILE No. R1C093	

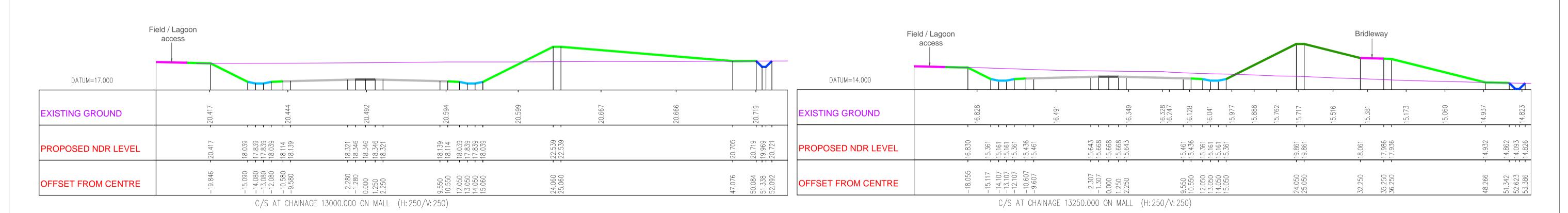


KEY Carriageway Central reservation Grass / Scrubland Woodland Hedge Swale Ditch Lagoon PMA / Bridleway Footway / Cycleway Retaining Wall Existing ground level Plan to be read in conjunction with the Development Consent Order. Regulations 5(2)(o), 5(2)(p) & 6(2)

-2.252 -1.252 0.000 1.532 2.532 C/S AT CHAINAGE 12750.000 ON MALL (H: 250/V: 250)

17.823 17.827 17.827 17.827 17.796

19.053 17.708 17.507 17.707 17.782 17.782



17.564 17.532 17.457 17.257 17.257 17.257

21.957 21.957

24.342 25.342

Bridleway DATUM=13.000 EXISTING GROUND 20.596 20.596 16.378 16.403 16.403 16.403 16.378 16.196 16.171 16.096 15.896 15.896 16.877 16.096 15.896 15.896 16.096 16.171 PROPOSED NDR LEVEL -16.706 -15.145 -14.135 -13.135 -12.135 -9.635 32.250 35.250 36.659 39.250 40.500 41.308 24.050 25.050 9.550 10.550 12.050 13.050 14.050 OFFSET FROM CENTRE C/S AT CHAINAGE 13500.000 ON MALL (H: 250/V: 250)

						Bridlev	vay
DATUM=17.000							
EXISTING GROUND	-19.873	20.189	20.304	20.333	20.277	20.128	19.995
PROPOSED NDR LEVEL	-19.875	17.971 17.771 17.771 17.971 18.046	-18.253 -18.278 -18.278 -18.278	-18.071 -18.046 -17.971 -17.771 -17.771	-20.287		20.035 19.253 -19.995
OFFSET FROM CENTRE	-18.921	-15.114 -14.104 -13.104 -12.104 -10.604	-2.304 -1.304 -0.001 1.251 2.251	9.551 10.551 12.051 13.051 14.051	19.691		38.959 40.107 40.825

20.101 20.151 19.401 20.165

C/S AT CHAINAGE 13/50.000 ON MALL (H: 250/V: 250)

Metres 5 0 5 10 15 20 Metres

PROPOSED NDR LEVEL

OFFSET FROM CENTRE



Birse Civils

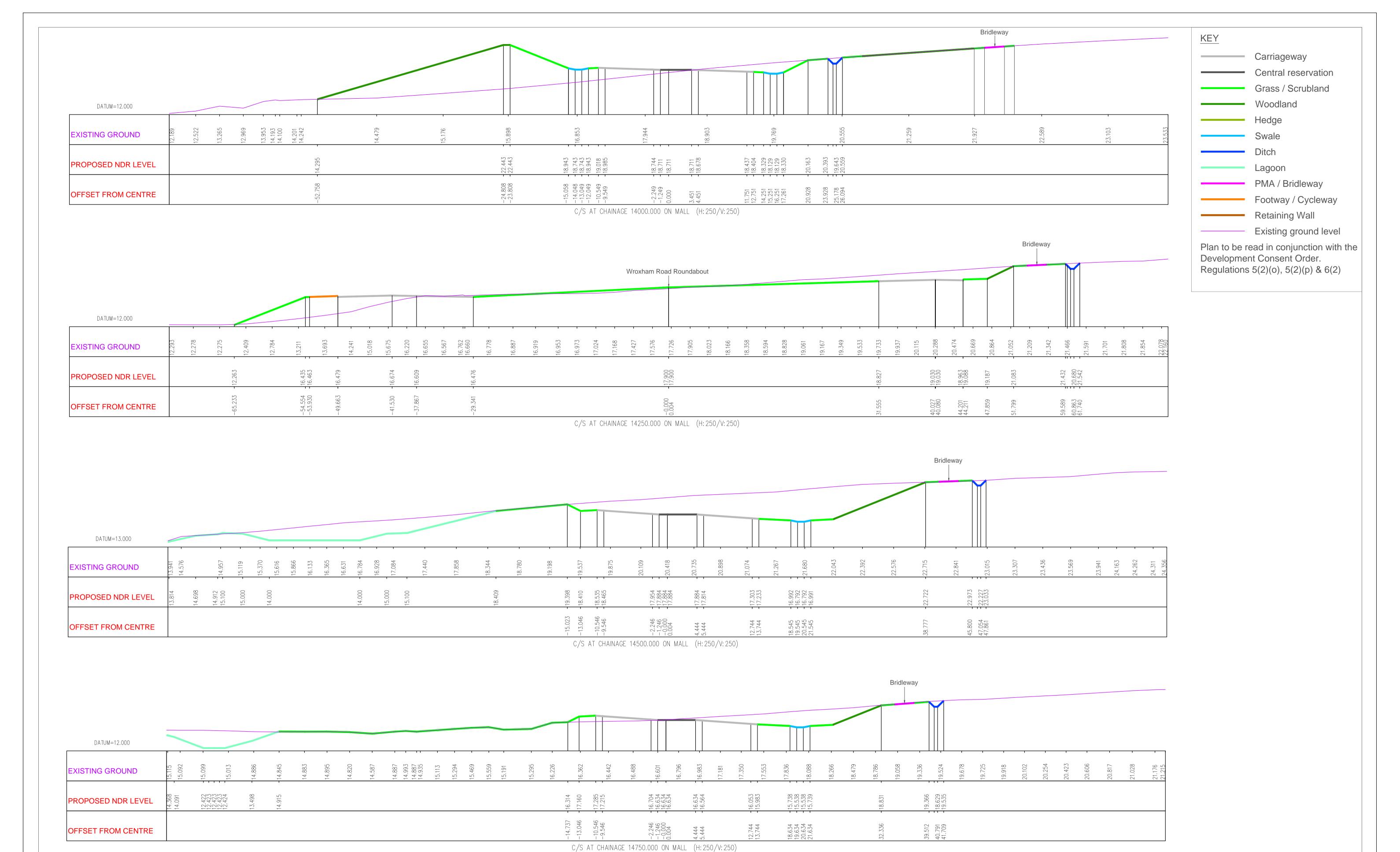
Tom McCabe Interim Director of Environment Transport and Development Norfolk County Council County Hall, Martineau Lane Norwich NR1 2SG

DRAWING TITLE

Northern Distributor Road Mainline Cross Sections - Chainage 12500 to 13750 (Sheet 11 of 17)

REV.	DESCRIPTION	CHECKED	DATE	
0	Revision for Submission	JB	11/13	
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	INITIALS	DATE	DRAWING No.	B-R1-5125	
SURVEYED BY	os	02/13	1(1003)	71(1 5125	
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DESIGNED BY	CR	10/13		orwich	
			Northern Distr	ibutor Road (NDR)	
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CHECKED BY	JB	11/13	1:250 @ A1	R1C093	



Norfolk County Council

Metres 5 0 5 10 15 20 Metres



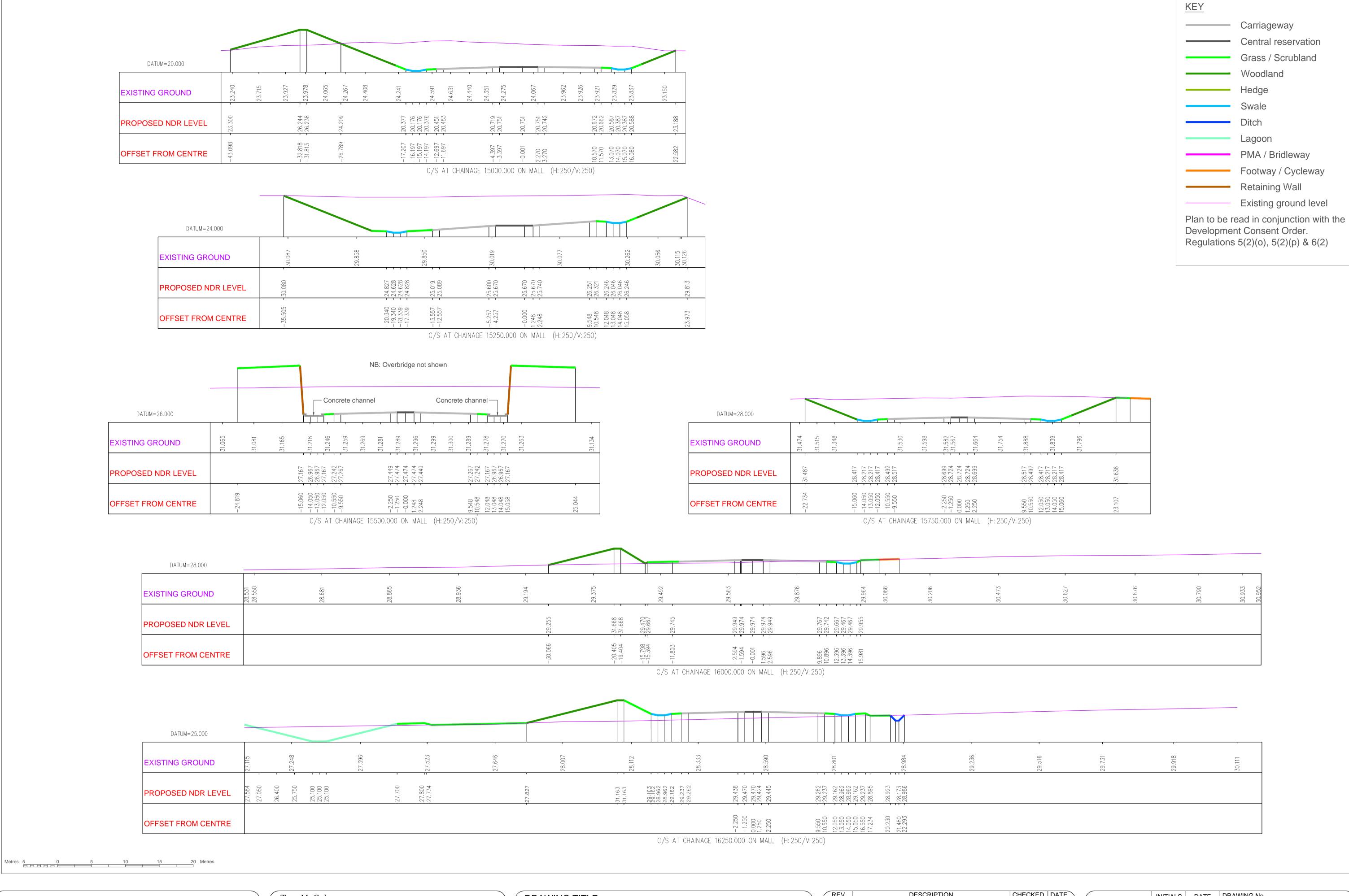
Tom McCabe
Interim Director of Environment
Transport and Development
Norfolk County Council
County Hall, Martineau Lane
Norwich NR1 2SG

DRAWING TITLE

Mainline Cross Sections - Chainage 14000 to 14750 (Sheet 12 of 17)

\	REV.	DESCRIPTION	CHECKED	DATE	
	0	Revision for Submission	JB	11/13	5

	INITIALS	DATE	DRAWING No. R1C093-R1-5126	
SURVEYED BY	os	02/13	1 10093-111-3120	
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DESIGNED BY	CR	10/13	Norwich	
			Northern Distributor Road (NDR)	
DRAWN BY	RH	11/13	Northern Distr	ibuloi Roau (NDR)
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Tom McCabe
Interim Director of Environment
Transport and Development
Norfolk County Council
County Hall, Martineau Lane
Norwich NR1 2SG

DRAWING TITLE

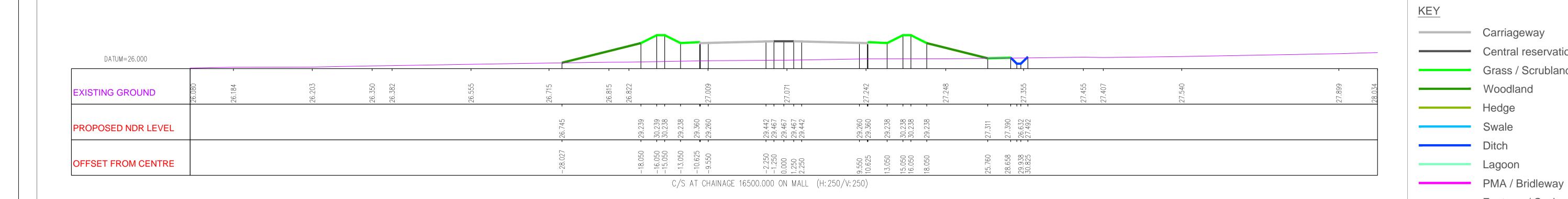
Northern Distributor Road

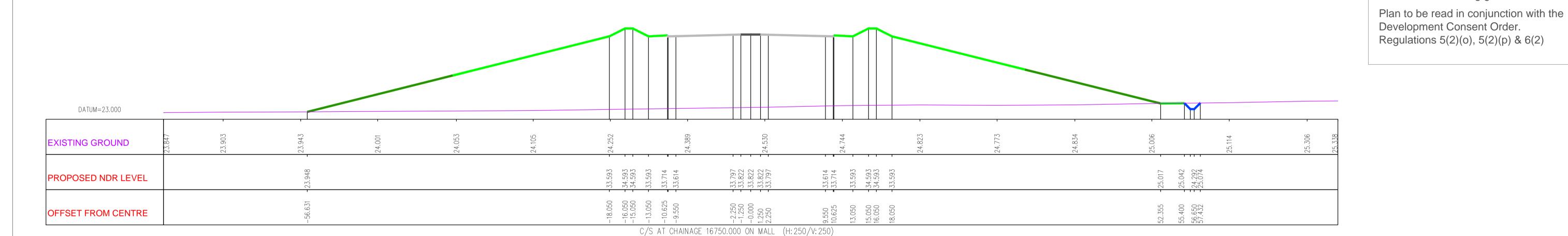
Mainline Cross Sections - Chainage 15000 to 16250

(Sheet 13 of 17)

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DATE DRAWING No. R1C093-R1-5127 INITIALS os SURVEYED BY 02/13 PROJECT TITLE CR **DESIGNED BY** Norwich Northern Distributor Road (NDR) DRAWN BY RH 11/13 FILE No. JB 11/13 1:250 @ A1 CHECKED BY





NDR Bridge over Plumstead Road Hardened verge-— Hardened verge DATUM=24.000 **EXISTING GROUND** 31.769 31.869 31.929 31.951 31.976 31.976 31.976 31.976 PROPOSED NDR LEVEL OFFSET FROM CENTRE

Access track DATUM=22.000 **EXISTING GROUND** PROPOSED NDR LEVEL 12.934 12.951 16.552 16.611 20.711 21.750 OFFSET FROM CENTRE

C/S AT CHAINAGE 17250.000 ON MALL (H: 250/V: 250)

C/S AT CHAINAGE 17000.000 ON MALL (H: 250/V: 250)

Norfolk County Council

Metres 5 0 5 10 15 20 Metres



Tom McCabe Interim Director of Environment Transport and Development Norfolk County Council County Hall, Martineau Lane Norwich NR1 2SG

DRAWING TITLE

Northern Distributor Road Mainline Cross Sections - Chainage 16500 to 17250 (Sheet 14 of 17)

REV.	DESCRIPTION	CHECKED	DATE	
0	Revision for Submission	JB	11/13	

	INITIALS	DATE	DRAWING No.	2-D1-5129			
SURVEYED BY	os	02/13	PROJECT TITLE Norwich				
DESIGNED BY	CR	10/13					
DRAWN BY	RH	11/13		ibutor Road (NDR)			
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Carriageway

Woodland

Hedge

Swale

Ditch

Lagoon

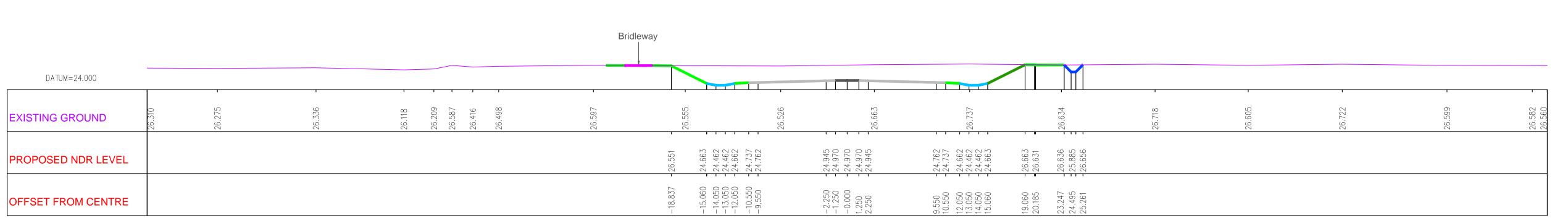
Retaining Wall

Central reservation

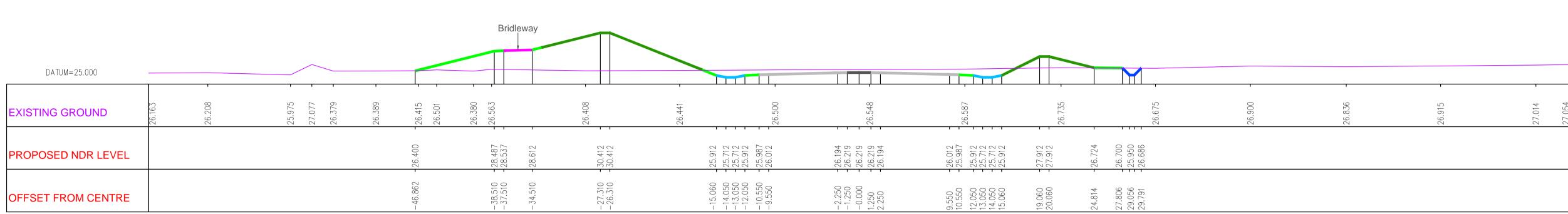
Grass / Scrubland

Footway / Cycleway

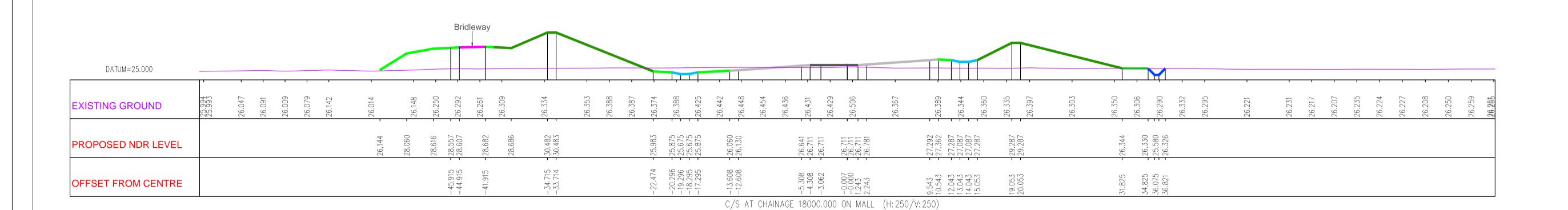
Existing ground level



C/S AT CHAINAGE 17500.000 ON MALL (H: 250/V: 250)



C/S AT CHAINAGE 17750.000 ON MALL (H: 250/V: 250)



DATUM=25.000		ı	ı		Bridleway							Bridleway			1	
EXISTING GROUND	26.609	26.533	26.468	26.330	-26.269	-26.180	26.234	26.287	26.196	26.128	26.176	26.255	26.348	26.336	26.335	26.249
PROPOSED NDR LEVEL				-26.346	-28.991 -29.041 -29.116	- 30.916 - 30.916	26.416 -26.217 -26.217		26.870 26.870 26.870 26.870 26.870	26.938 -26.947 -26.872 -26.672 -26.672	- 28.872 - 28.872	-26.500 -26.425 -26.285	26.312 25.562 -26.334			
OFFSET FROM CENTRE				-50.253	-39.817 -38.817 -35.817	–28.618 –27.616	-16.357 -15.269 -14.267		-3.493 -2.493 -1.245 -0.000 1.246 2.246	9.546 10.546 12.046 13.046 14.046	19.056 20.056		36.773 38.027 38.801			

C/S AT CHAINAGE 18250.000 ON MALL (H: 250/V: 250)

Metres 5 0 5 10 15 20 Metres





Tom McCabe
Interim Director of Environment
Transport and Development
Norfolk County Council
County Hall, Martineau Lane
Norwich NR1 2SG

DRAWING TITLE

Northern Distributor Road

Mainline Cross Sections - Chainage 17500 to 18250

(Sheet 15 of 17)

١	REV.	DESCRIPTION	CHECKED	DATE	1	
	0	Revision for Submission	JB	11/13	-	
					H	
/					(

	INITIALS	DATE	DRAWING No. R1C093-R1-5129					
SURVEYED BY	os	02/13	10030					
SORVETED BT	3	02/13	☐ PROJECT TITLE					
DESIGNED BY	CR	10/13	Norwich					
			Northern Distr	ibutor Road (NDR)				
DRAWN BY	RH	11/13	Northern Distributor Road (NDR)					
			SCALE	FILE No.				
CHECKED BY	JB	11/13	1:250 @ A1	R1C093	/			
			_					

KEY

Carriageway

Woodland

Hedge

Swale

Ditch

Lagoon

PMA / Bridleway

Retaining Wall

Plan to be read in conjunction with the

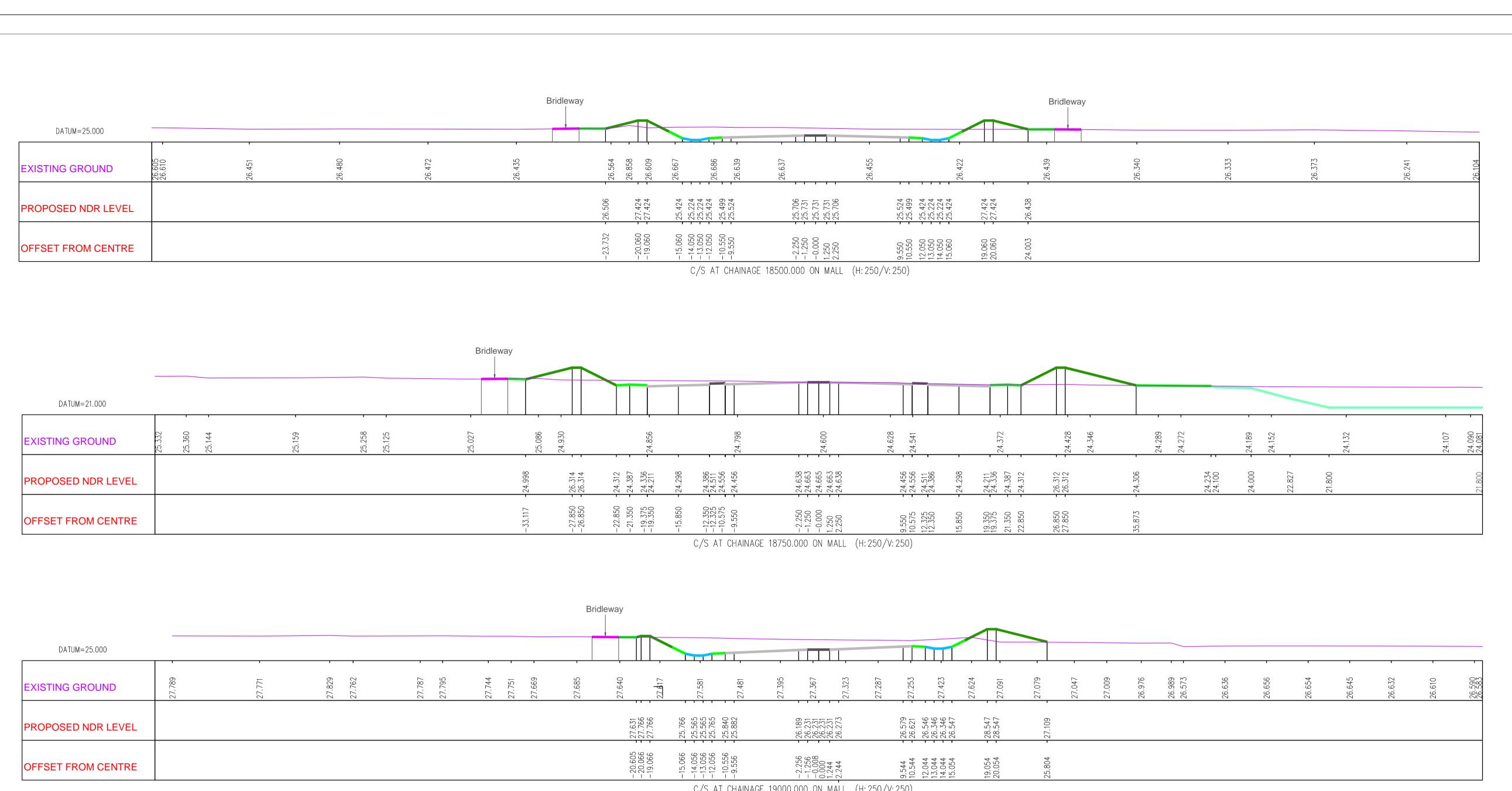
Development Consent Order.

Regulations 5(2)(o), 5(2)(p) & 6(2)

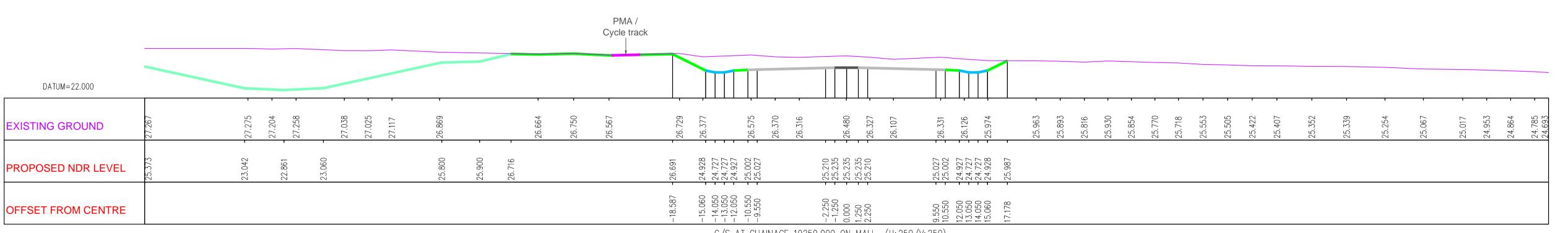
Footway / Cycleway

Existing ground level

Central reservation



C/S AT CHAINAGE 19000.000 ON MALL (H: 250/V: 250)



C/S AT CHAINAGE 19250.000 ON MALL (H: 250/V: 250)

Norfolk County Council

Metres 5 0 5 10 15 20 Metres



Tom McCabe Interim Director of Environment Transport and Development Norfolk County Council County Hall, Martineau Lane Norwich NR1 2SG

DRAWING TITLE

Northern Distributor Road Mainline Cross Sections - Chainage 18500 to 19250 (Sheet 16 of 17)

١	REV.	DESCRIPTION	CHECKED	DATE	
	0	Revision for Submission	JB	11/13	
					-
/					

	INITIALS	DATE	DRAWING No. - R1C093-R1-5130					
SURVEYED BY	os	OS 02/13						
			PROJECT TITLE					
DESIGNED BY	CR	10/13	Norwich					
DRAWN BY	RH	11/13	Northern Distributor Road (NDR					
BRAWNEI	1311	11/13	SCALE	FILE No.				
CHECKED BY	JB	11/13	1:250 @ A1	R1C093				

KEY

Carriageway

Woodland

Hedge

Swale

Lagoon

PMA / Bridleway

Retaining Wall

Plan to be read in conjunction with the

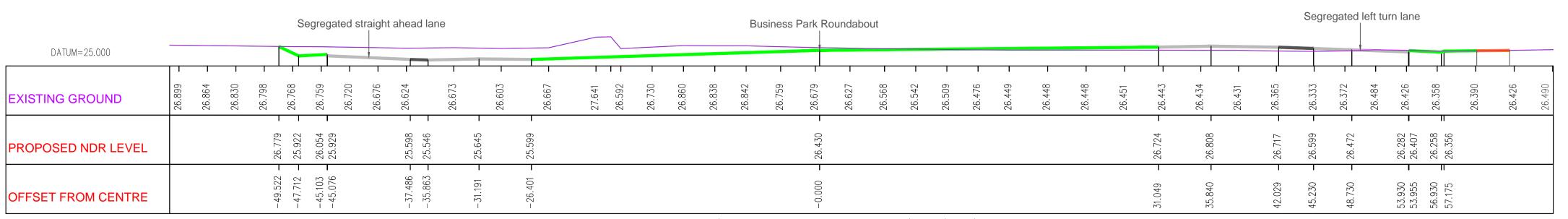
Regulations 5(2)(o), 5(2)(p) & 6(2)

Development Consent Order.

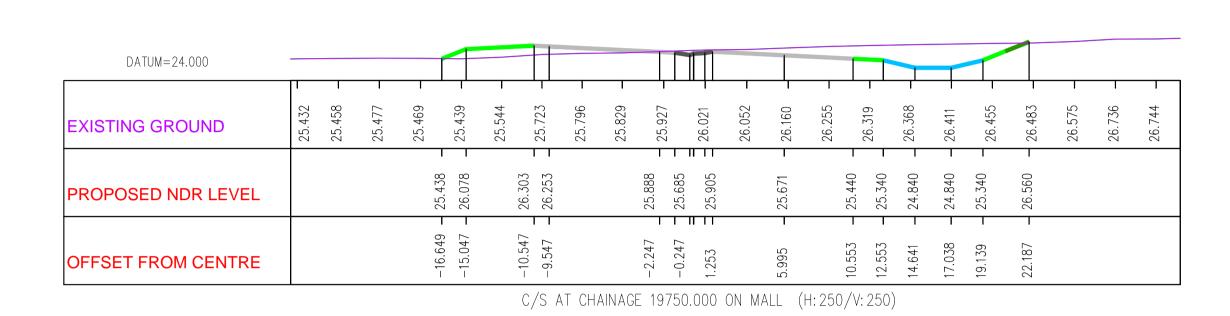
Footway / Cycleway

Existing ground level

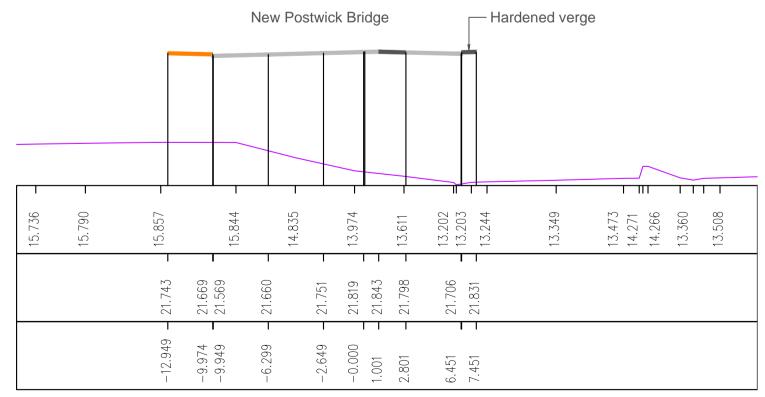
Central reservation



C/S AT CHAINAGE 19500.000 ON MALL (H: 250/V: 250)



		Segregated left turn lane																				
DATUM=24.000														1								
		1		'	т'	 '		<u> </u>	'	' ' ' 1				' 				ı			1	
EXISTING GROUND	26.332	26.361	26.439	26.471	26.498	26.482	26.515	26.591	26.655	26.650		26.656	26.699	26.813	26.830	26.806	26.811	26.880	26.879	26.868	26.868	26.891
						I	ı	ı	ı	1 1 1				ı		ı						
PROPOSED NDR LEVEL				26.482	24.579	24.802	24.819	24.883	24.948	24.966 24.903 25.033		24.773	24.824	24.699	24.371	24.241	24.069		26.892			
					1			ı		1 1 1		J		ı								
OFFSET FROM CENTRE				-19.811	-15.054	-10.547	-9.547	-5.928	-2.247	-1.24 / 0.003 1.253		6.600	9.916	9.942	16.389	18.948	22.407		29.621			
							C/S	AT CH	IAINAGE	= 20000	0.000	AM NO C	LL (H	H: 250/V	: 250)							



C/S AT CHAINAGE 20250.000 ON MALL (H: 250/V: 250)

Norfolk County Council

Metres 5 0 5 10 15 20 Metres



Tom McCabe
Interim Director of Environment
Transport and Development
Norfolk County Council
County Hall, Martineau Lane
Norwich NR1 2SG

DRAWING TITLE

Northern Distributor Road

Mainline Cross Sections - Chainage 19500 to 20250

(Sheet 17 of 17)

	REV.	DESCRIPTION	CHECKED	DATE	١ .
	0	Revision for Submission	JB	11/13]
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/				/	, \

	INITIALS	DATE	DRAWING No. R1C093-R1-5131					
SURVEYED BY	os	02/13	1110090	71(10101				
SORVETED BT	3	02/13	☐ PROJECT TITLE					
DESIGNED BY	CR	10/13	N	orwich				
			Northern Distr	ibutor Road (NDR)				
DRAWN BY	RH	11/13	Notifiell Distributor (VDIV)					
			SCALE	FILE No.				
CHECKED BY	JB	11/13	1:250 @ A1	R1C093				

KEY

Carriageway

Woodland

Hedge

Swale

Ditch

Lagoon

PMA / Bridleway

Retaining Wall

Plan to be read in conjunction with the

Development Consent Order.

Regulations 5(2)(o), 5(2)(p) & 6(2)

Footway / Cycleway

Existing ground level

Central reservation