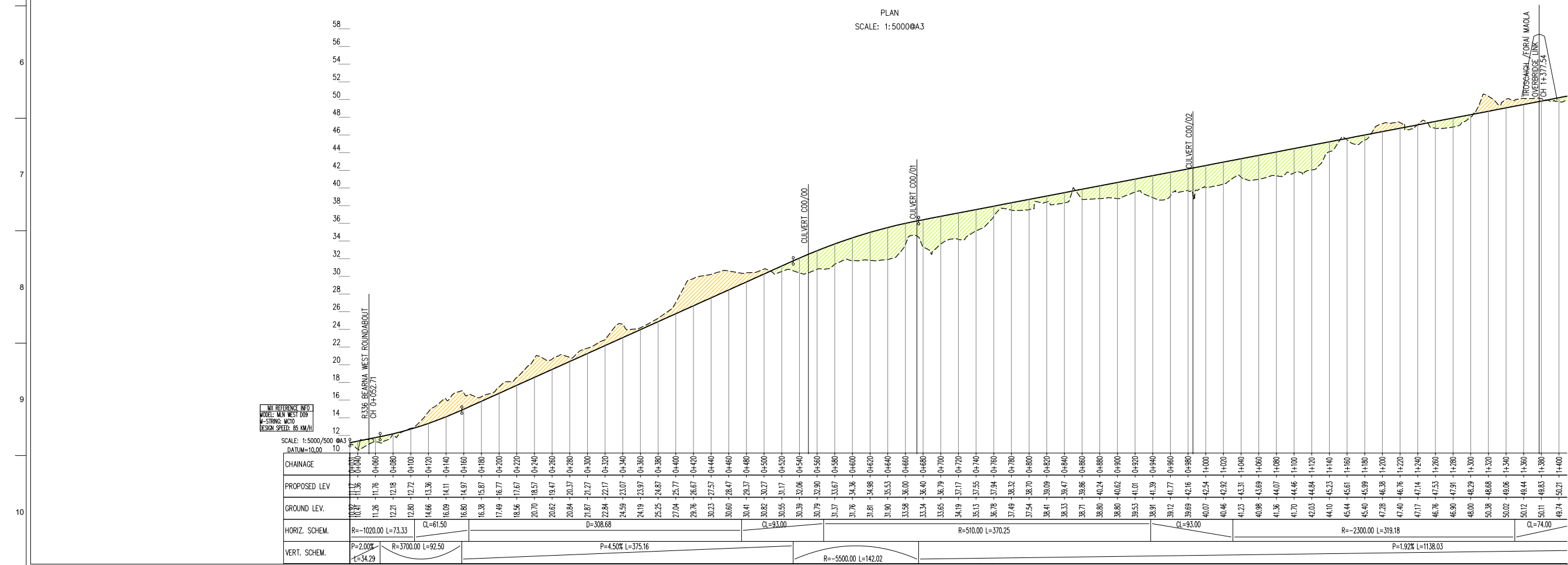


- DESIGN REPORT**
- Legend:**
- Plan**
- Proposed Development Boundary
 - Proposed Road Development
 - Earthworks - Fill
 - Earthworks - Cut
 - Structure
 - Proposed Retaining wall/ Earth Retention
 - Proposed Culvert
 - Proposed Environmental Underpass
 - Proposed Mammal Green Overbridge
 - Proposed Attenuation Pond / Infiltration Basin / Wetlands
 - Proposed Stream Diversion
- Profile**
- Existing Ground
 - Proposed Geometry Profile
 - FILL 15m +
 - FILL 10m - 15m
 - FILL 05m - 10m
 - FILL 00m - 05m
 - CUT 00m - 05m
 - CUT 05m - 10m
 - CUT 10m - 15m
 - CUT 15m +
 - LACKAGH QUARRY TUNNEL
 - GALWAY RACECOURSE TUNNEL



San áireamh tá sonraíocht Shuirbhíreacht Orlánáis Éireann arna áitirgeadh fust Cheadúnas OSI Uimh. 2010/18CCMA/Comhairle Contae na Gaillimhe. Sárúinn áitirgeadh neamhdaraithe cóipeacht Shuirbhíreacht Orlánáis Éireann agus Rialtas na hÉireann. © Suirbhíreacht Orlánáis Éireann, 2010.

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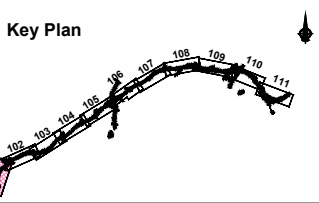
Clients

Comhairle Chontae na Gaillimhe
Galway County Council

Galway City Transport Project

An Roinn Iompair
Turasóireacht agus Spóirt
Department Transport, Tourism and Sport

TIU
Bonnagar Iompair Éireann
Transport Infrastructure Unit



Consultant

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www.arup.ie

Job Title
N6 Galway City Ring Road

Scale
As Shown

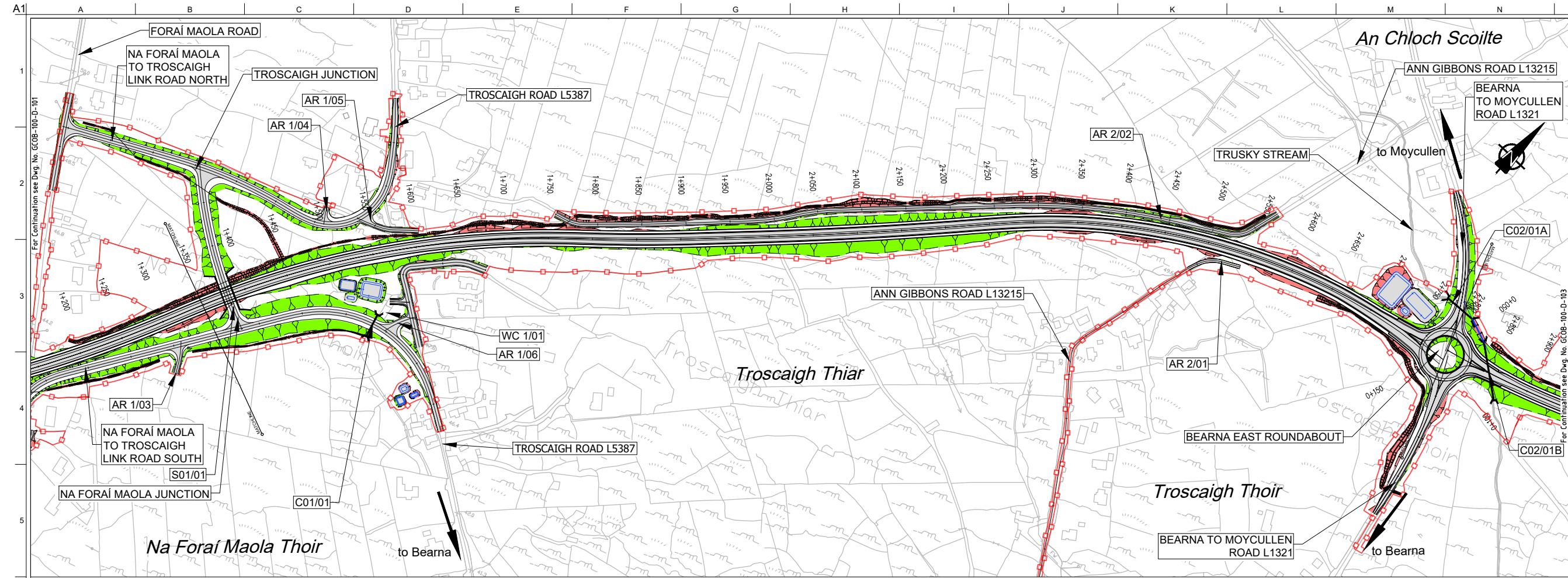
Date
February 2018

Drawing Title
Proposed Design Geometry
Mainline Plan/Profile - CH.0+000 to CH.1+350
Sheet 1 of 11

Drawing Status
For Information

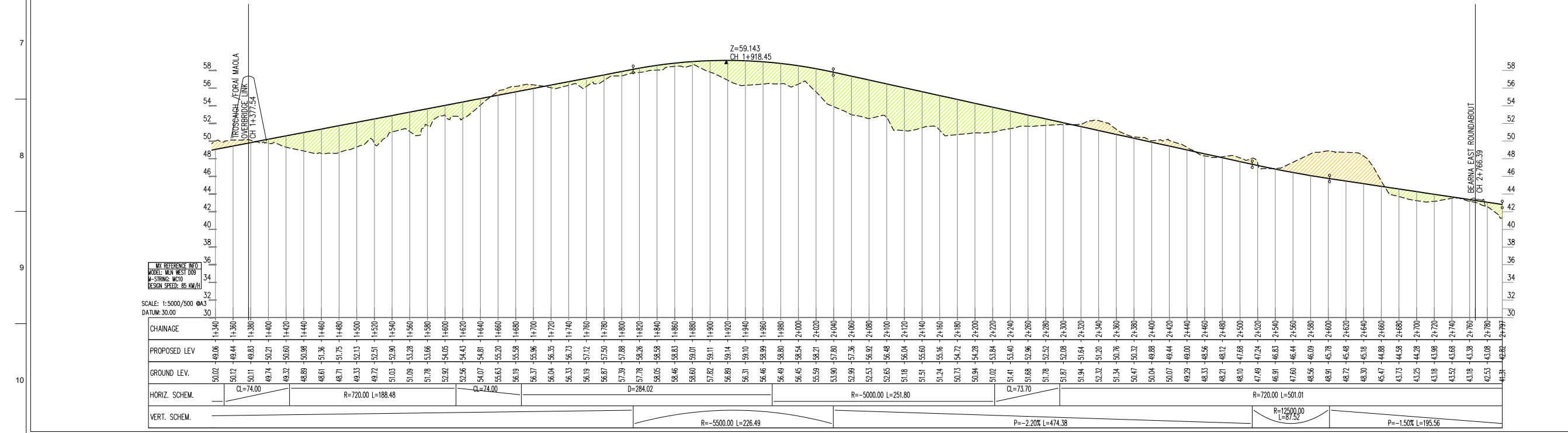
Job No	Drawing No	Issue
233985	GCOB-100-D-101	11

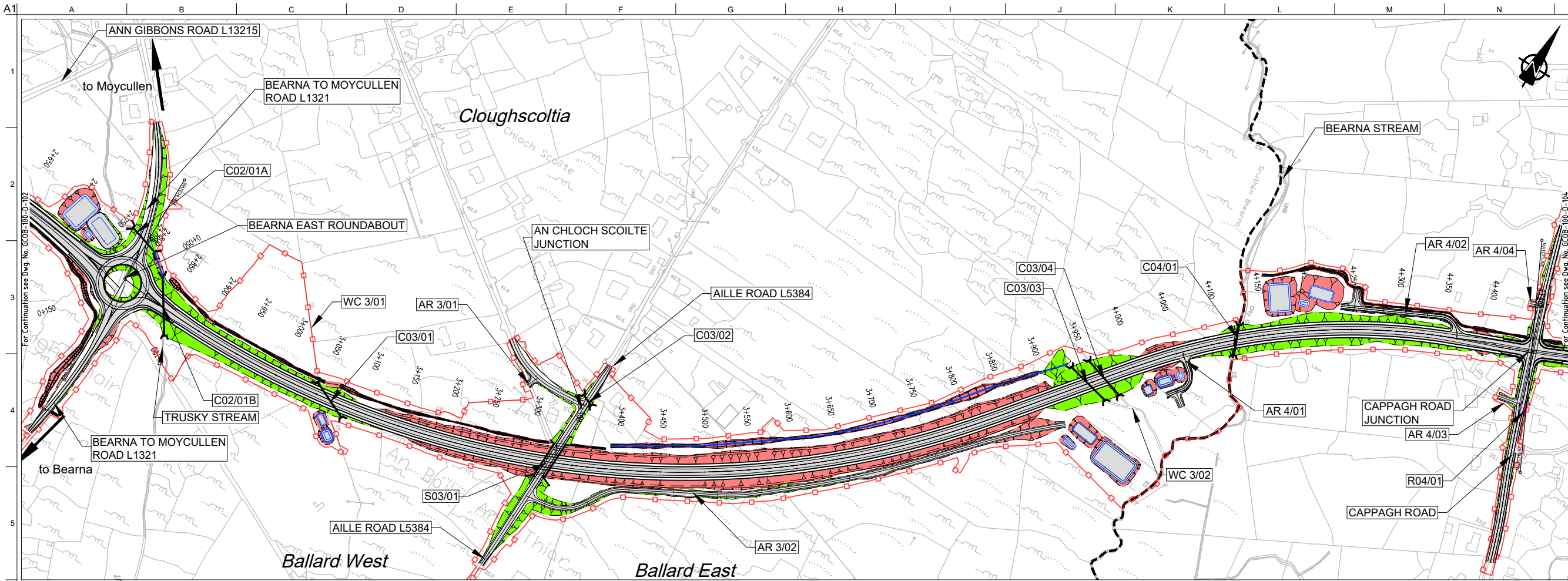
Job No	Date	By	Chkd	EMC
11	22/02/2018	KJ	MG	EMC
Issue	Date	By	Chkd	Appd



PLAN
SCALE: 1:5000@A3

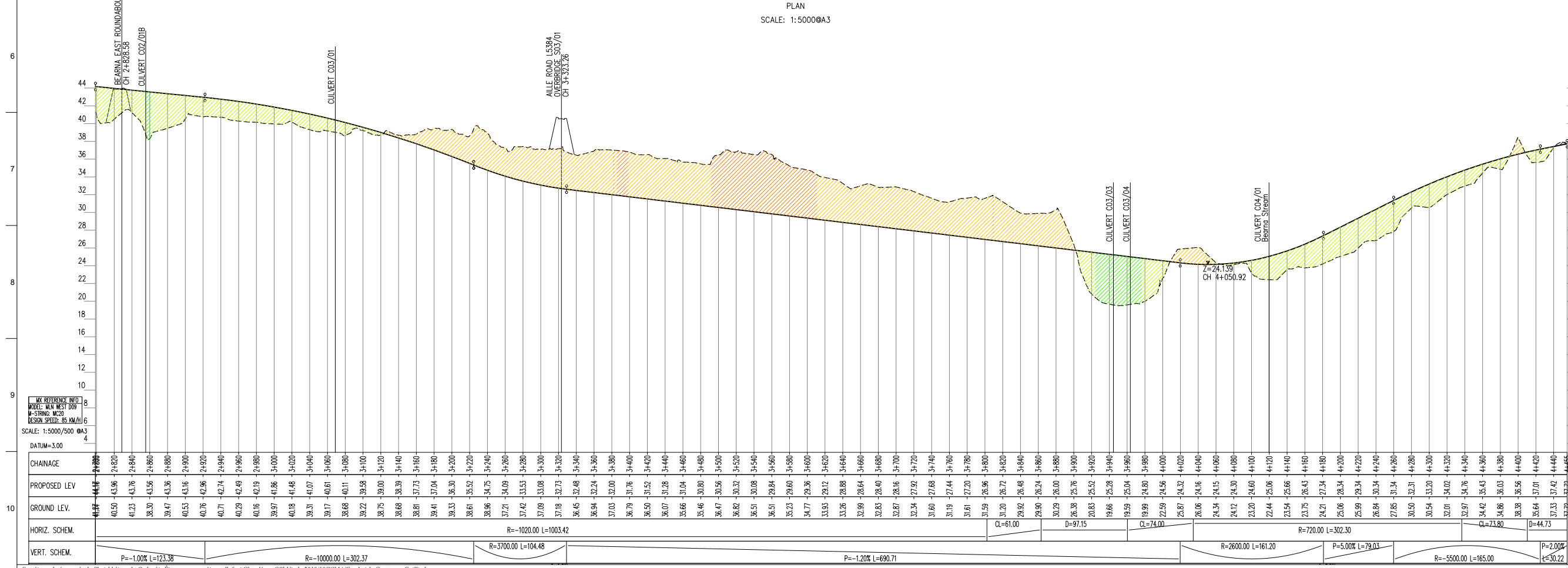
- ### DESIGN REPORT
- Legend:**
- Plan
 - Proposed Development Boundary
 - Proposed Road Development
 - Earthworks - Fill
 - Earthworks - Cut
 - Structure
 - Proposed Retaining wall/ Earth Retention
 - Proposed Culvert
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 - Proposed Mammal Green Overbridge
 - Proposed Attenuation Pond / Infiltration Basin / Wetlands
 - Proposed Stream Diversion
 - Profile
 - Existing Ground
 - Proposed Geometry Profile
 - FILL 15m +
 - FILL 10m - 15m
 - FILL 05m - 10m
 - FILL 00m - 05m
 - CUT 00m - 05m
 - CUT 05m - 10m
 - CUT 10m - 15m
 - CUT 15m +
 - LACKAGH QUARRY TUNNEL
 - GALWAY RACECOURSE TUNNEL





DESIGN REPORT

- Legend:**
- Plan
 - Proposed Development Boundary
 - Proposed Road Development
 - Earthworks - Fill
 - Earthworks - Cut
 - Structure
 - Proposed Retaining wall/ Earth Retention
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 - Existing Ground
 - Proposed Geometry Profile
 - FILL 15m +
 - FILL 10m - 15m
 - FILL 05m - 10m
 - FILL 00m - 05m
 - CUT 00m - 05m
 - CUT 05m - 10m
 - CUT 10m - 15m
 - CUT 15m +
 - LACKAGH QUARRY TUNNEL
 - GALWAY RACECOURSE TUNNEL



CHAINAGE	PROPOSED LEV.	GROUND LEV.	HORIZ. SCHEM.	VERT. SCHEM.
2+800	41.18	40.50		P=-1.00% L=123.38
2+820	41.23	40.50		
2+840	41.23	40.50		
2+860	41.23	40.50		
2+880	41.23	40.50		
2+900	41.23	40.50		
2+920	41.23	40.50		
2+940	41.23	40.50		
2+960	41.23	40.50		
2+980	41.23	40.50		
3+000	41.23	40.50		
3+020	41.23	40.50		
3+040	41.23	40.50		
3+060	41.23	40.50		
3+080	41.23	40.50		
3+100	41.23	40.50		
3+120	41.23	40.50		
3+140	41.23	40.50		
3+160	41.23	40.50		
3+180	41.23	40.50		
3+200	41.23	40.50		
3+220	41.23	40.50		
3+240	41.23	40.50		
3+260	41.23	40.50		
3+280	41.23	40.50		
3+300	41.23	40.50		
3+320	41.23	40.50		
3+340	41.23	40.50		
3+360	41.23	40.50		
3+380	41.23	40.50		
3+400	41.23	40.50		
3+420	41.23	40.50		
3+440	41.23	40.50		
3+460	41.23	40.50		
3+480	41.23	40.50		
3+500	41.23	40.50		
3+520	41.23	40.50		
3+540	41.23	40.50		
3+560	41.23	40.50		
3+580	41.23	40.50		
3+600	41.23	40.50		
3+620	41.23	40.50		
3+640	41.23	40.50		
3+660	41.23	40.50		
3+680	41.23	40.50		
3+700	41.23	40.50		
3+720	41.23	40.50		
3+740	41.23	40.50		
3+760	41.23	40.50		
3+780	41.23	40.50		
3+800	41.23	40.50		
3+820	41.23	40.50		
3+840	41.23	40.50		
3+860	41.23	40.50		
3+880	41.23	40.50		
3+900	41.23	40.50		
3+920	41.23	40.50		
3+940	41.23	40.50		
3+960	41.23	40.50		
3+980	41.23	40.50		
4+000	41.23	40.50		
4+020	41.23	40.50		
4+040	41.23	40.50		
4+060	41.23	40.50		
4+080	41.23	40.50		
4+100	41.23	40.50		
4+120	41.23	40.50		
4+140	41.23	40.50		
4+160	41.23	40.50		
4+180	41.23	40.50		
4+200	41.23	40.50		
4+220	41.23	40.50		
4+240	41.23	40.50		
4+260	41.23	40.50		
4+280	41.23	40.50		
4+300	41.23	40.50		
4+320	41.23	40.50		
4+340	41.23	40.50		
4+360	41.23	40.50		
4+380	41.23	40.50		
4+400	41.23	40.50		
4+420	41.23	40.50		
4+440	41.23	40.50		
4+460	41.23	40.50		

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Clients

Key Plan

Consultant

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www.arup.ie

Job Title
N6 Galway City Ring Road

Scale
As Shown

Date:
February 2018

Drawing Title
Proposed Design Geometry
Mainline Plan/Profile - CH.2+800 to CH.4+455
Sheet 3 of 11

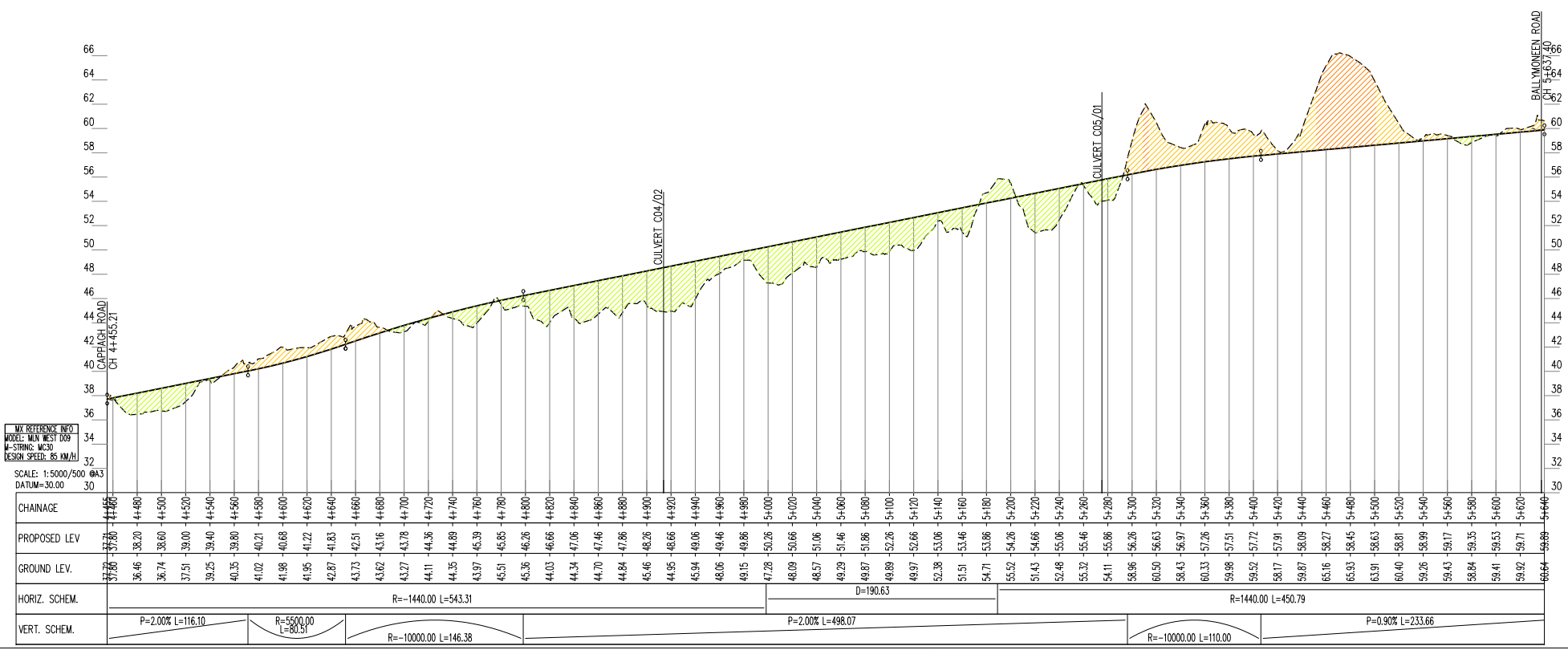
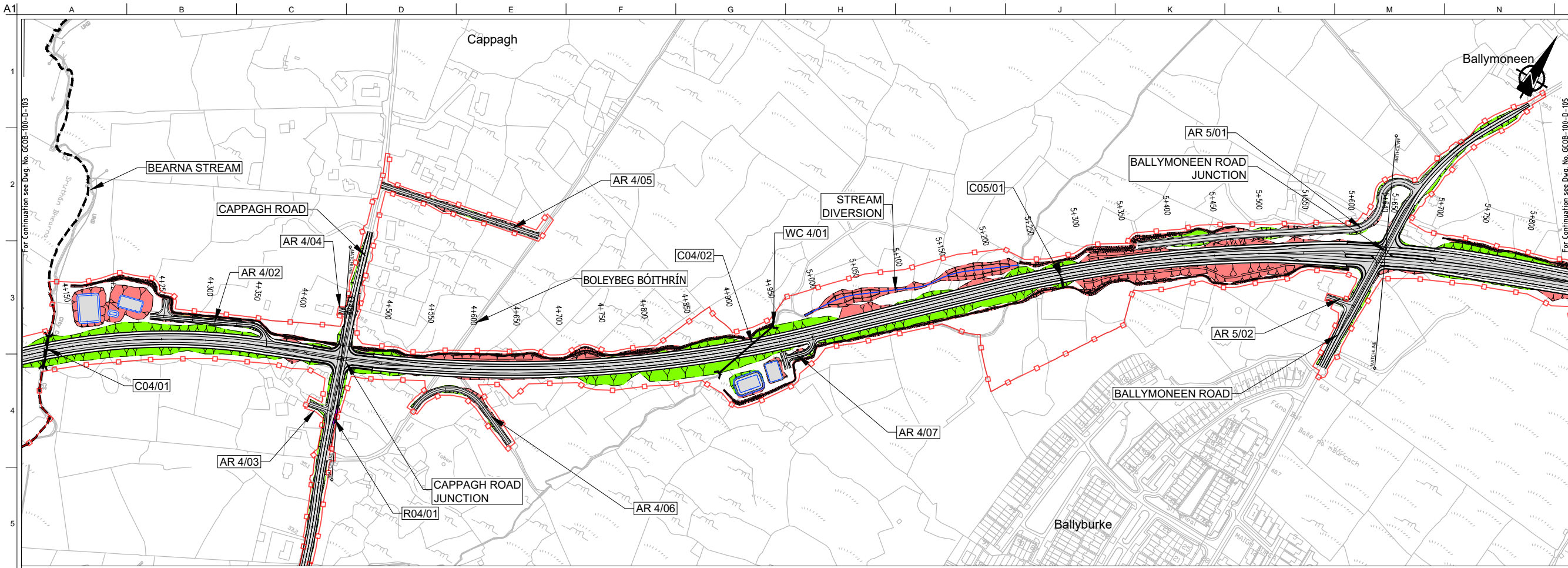
Drawing Status
For Information

Job No	Drawing No	Issue
233985	GC0B-100-D-103	11

DESIGN REPORT

- Legend:**
- Plan
 - Proposed Development Boundary
 - Proposed Road Development
 - Earthworks - Fill
 - Earthworks - Cut
 - Structure
 - Proposed Retaining wall/ Earth Retention
 - Proposed Culvert
 - Proposed Environmental Underpass
 - Proposed Mammal Green Overbridge
 - Proposed Attenuation Pond / Infiltration Basin / Wetlands
 - Proposed Stream Diversion

- Profile**
- Existing Ground
 - Proposed Geometry Profile
 - FILL 15m +
 - FILL 10m - 15m
 - FILL 05m - 10m
 - FILL 00m - 05m
 - CUT 00m - 05m
 - CUT 05m - 10m
 - CUT 10m - 15m
 - CUT 15m +
 - LACKAGH QUARRY TUNNEL
 - GALWAY RACECOURSE TUNNEL



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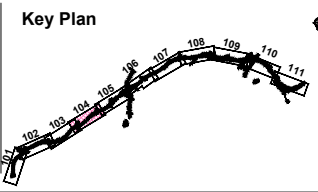
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Clients

Comhairle Chontae na Gaillimhe
Galway County Council

An Roinn Iompair
Turastóireacht agus Spóirt
Department Transport, Tourism and Sport

TII
Transport Infrastructure Ireland



Consultant

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www.arup.ie

Job Title
N6 Galway City Ring Road

Scale
As Shown

Date:
February 2018

11	22/02/2018	KJ	MG	EMC
Issue	Date	By	Chkd	Appd

Drawing Title
**Proposed Design Geometry
Mainline Plan/Profile - CH.4+455 to CH.5+640**

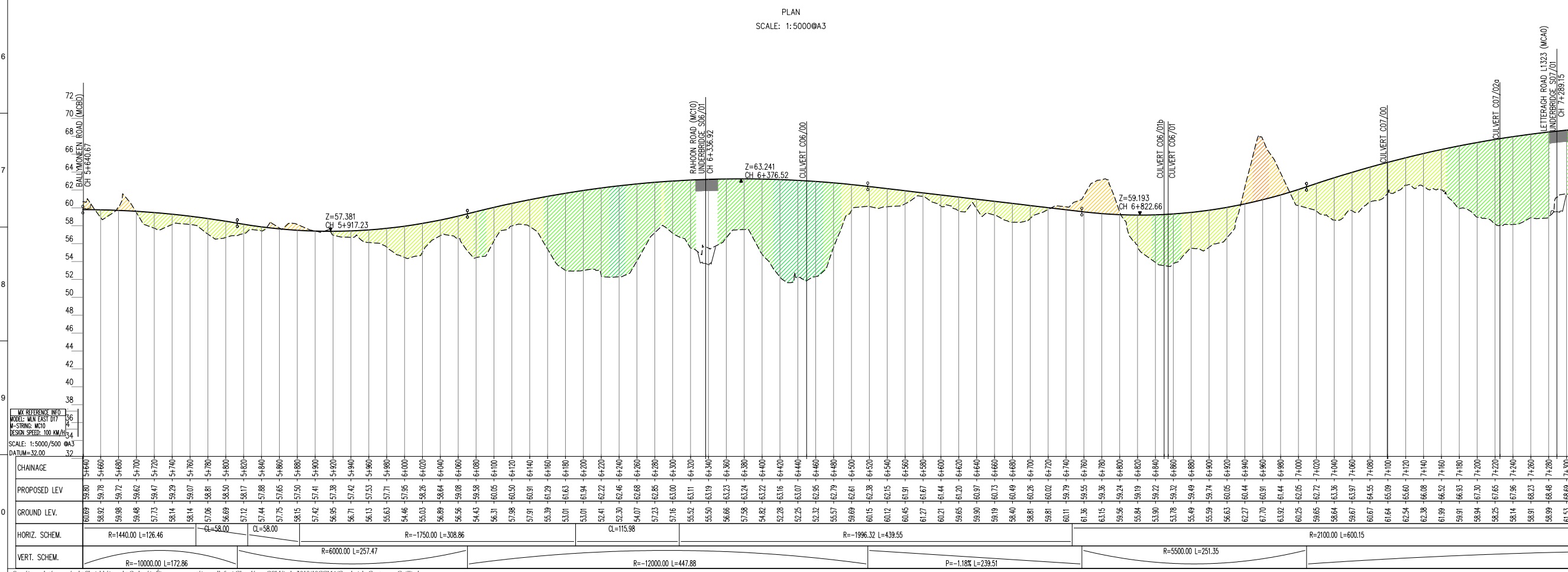
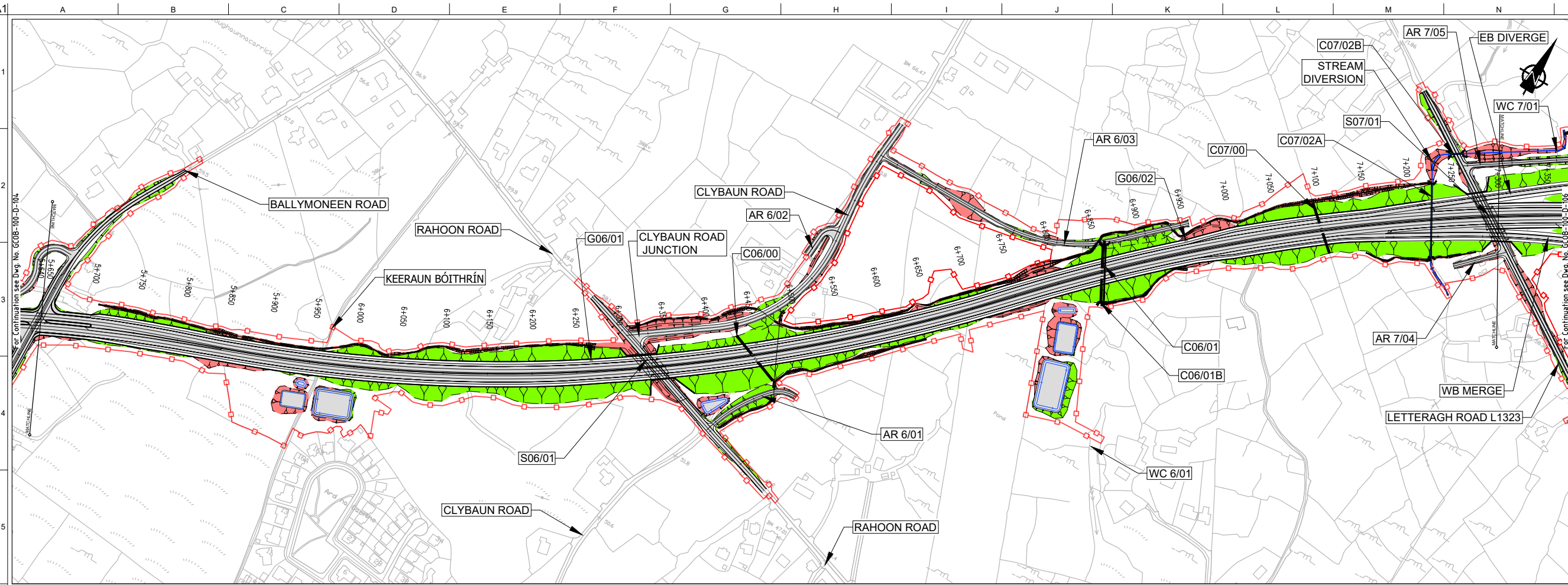
Drawing Status
Sheet 4 of 11

For Information

Job No	Drawing No	Issue
233985	GCOB-100-D-104	11

DESIGN REPORT

- Legend:**
- Plan**
 - Proposed Development Boundary
 - Proposed Road Development
 - Earthworks - Fill
 - Earthworks - Cut
 - Structure
 - Proposed Retaining wall/ Earth Retention
 - Proposed Culvert
 - Proposed Environmental Underpass
 - Proposed Mammal Green Overbridge
 - Proposed Attenuation Pond / Infiltration Basin / Wetlands
 - Proposed Stream Diversion
 - Profile**
 - Existing Ground
 - Proposed Geometry Profile
 - FILL 15m +
 - FILL 10m - 15m
 - FILL 05m - 10m
 - FILL 00m - 05m
 - CUT 00m - 05m
 - CUT 05m - 10m
 - CUT 10m - 15m
 - CUT 15m +
 - LACKAGH QUARRY TUNNEL
 - GALWAY RACECOURSE TUNNEL



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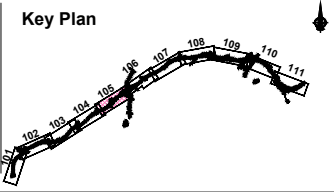
Clients

Comhairle Chontae na Gaillimhe
Galway County Council

GaV6
Galway City Transport Project

An Roinn Iompair
Turasóireachta agus Spóirt

TII
Bonnairé Iompar Éireann



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Job Title
N6 Galway City Ring Road

Scale
As Shown

Date
February 2018

Issue	Date	By	Chkd	Appd
11	22/02/2018	KJ	MG	EMC

Drawing Title
**Proposed Design Geometry
Mainline Plan/Profile - CH.5+640 to CH.7+300**

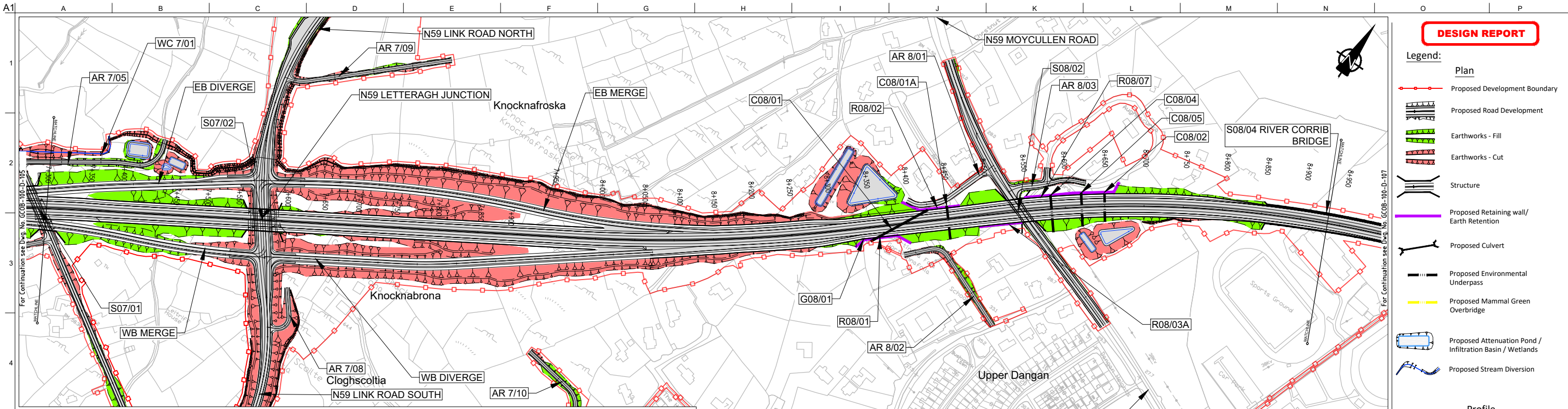
Sheet 5 of 11

Drawing Status
For Information

Job No
233985

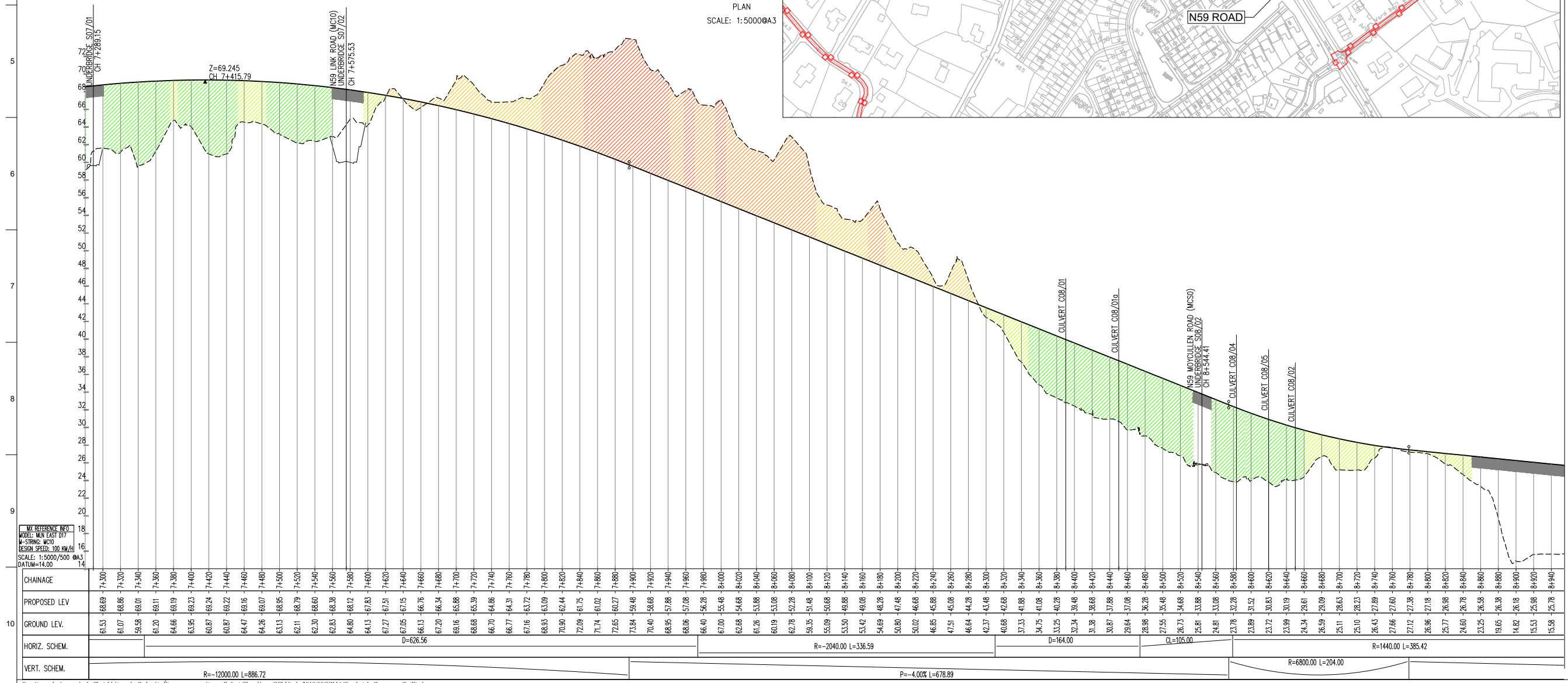
Drawing No
GCOB-100-D-105

Issue
11



DESIGN REPORT

- Legend:**
- Plan
 - Proposed Development Boundary
 - Proposed Road Development
 - Earthworks - Fill
 - Earthworks - Cut
 - Structure
 - Proposed Retaining wall/ Earth Retention
 - Proposed Culvert
 - Proposed Environmental Underpass
 - Proposed Mammal Green Overbridge
 - Proposed Attenuation Pond / Infiltration Basin / Wetlands
 - Proposed Stream Diversion
- Profile**
- Existing Ground
 - Proposed Geometry Profile
 - FILL 15m +
 - FILL 10m - 15m
 - FILL 05m - 10m
 - FILL 00m - 05m
 - CUT 00m - 05m
 - CUT 05m - 10m
 - CUT 10m - 15m
 - CUT 15m +
 - LACKAGH QUARRY TUNNEL
 - GALWAY RACECOURSE TUNNEL



CHAINAGE	PROPOSED LEV	GROUND LEV.	HORIZ. SCHEM.	VERT. SCHEM.
71300	68.69	61.53		R=-12000.00 L=886.72
71320	68.86	61.07		
71340	69.01	59.58		R=2040.00 L=336.59
71360	69.11	61.20		
71380	69.19	64.86		D=164.00
71400	69.23	63.95		
71420	69.24	60.87		Cl=105.00
71440	69.22	64.47		
71460	69.16	64.26		R=6800.00 L=204.00
71480	69.07	63.13		
71500	68.95	62.11		R=1440.00 L=385.42
71520	68.79	62.30		
71540	68.60	62.83		
71560	68.38	64.80		
71580	68.12	64.13		
71600	67.83	67.27		
71620	67.51	67.05		
71640	67.15	66.13		
71660	66.76	67.20		
71680	66.34	69.16		
71700	65.88	68.88		
71720	65.39	66.70		
71740	64.86	66.77		
71760	64.31	67.16		
71780	63.72	68.93		
71800	63.09	70.90		
71820	62.44	72.09		
71840	61.75	71.74		
71860	61.02	72.85		
71880	60.27	73.84		
71900	59.46	70.40		
71920	58.68	68.95		
71940	57.88	68.06		
71960	57.08	66.40		
71980	56.28	67.00		
81000	55.48	61.26		
81020	54.68	60.19		
81040	53.88	62.78		
81060	53.08	59.35		
81080	52.28	55.09		
81100	51.48	53.50		
81120	50.68	53.42		
81140	49.88	54.89		
81160	49.08	60.19		
81180	48.28	62.78		
81200	47.48	59.35		
81220	46.68	55.09		
81240	45.88	53.50		
81260	45.08	53.42		
81280	44.28	54.89		
81300	43.48	60.19		
81320	42.68	62.78		
81340	41.88	59.35		
81360	41.08	55.09		
81380	40.28	53.50		
81400	39.48	53.42		
81420	38.68	54.89		
81440	37.88	60.19		
81460	37.08	62.78		
81480	36.28	59.35		
81500	35.48	55.09		
81520	34.68	53.50		
81540	33.88	53.42		
81560	33.08	54.89		
81580	32.28	60.19		
81600	31.48	62.78		
81620	30.68	59.35		
81640	29.88	55.09		
81660	29.08	53.50		
81680	28.28	53.42		
81700	27.48	54.89		
81720	26.68	60.19		
81740	25.88	62.78		
81760	25.08	59.35		
81780	24.28	55.09		
81800	23.48	53.50		
81820	22.68	53.42		
81840	21.88	54.89		
81860	21.08	60.19		
81880	20.28	62.78		
81900	19.48	59.35		
81920	18.68	55.09		
81940	17.88	53.50		
81960	17.08	53.42		
81980	16.28	54.89		
82000	15.48	60.19		

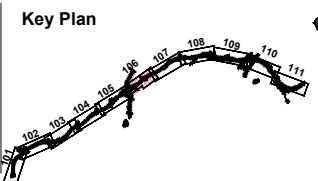
San áirneamh tá sonraíochtaí Shuirbhíreacht Orlánáis Éireann arna áiríteadh leis Ceadaíonn OSI Uimh. 2010/18CCMA/Comhairle Contae na Gaillimhe. Sártaoimh áiríteadh naomhdáiríochtaí cóipeachair Shuirbhíreacht Orlánáis Éireann agus Rialtas na hÉireann. © Suirbhíreacht Orlánáis Éireann, 2010.

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Clients



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www.arup.ie

Job Title
N6 Galway City Ring Road

Scale
As Shown

Date
February 2018

Issue	Date	By	Chkd	Appd
11	22/02/2018	KJ	MG	EMC

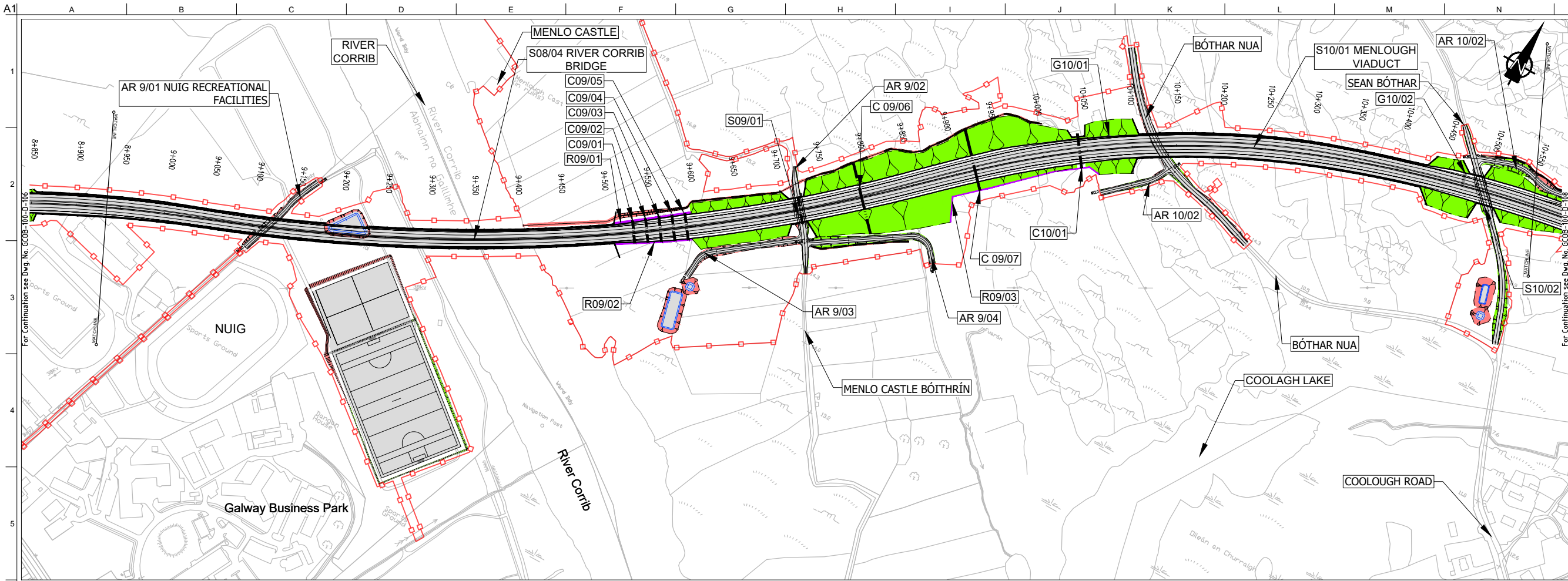
Drawing Title
**Proposed Design Geometry
Mainline Plan/Profile - CH.7+300 to CH.8+950
Sheet 6 of 11**

Drawing Status
For Information

Job No
233985

Drawing No
GCOB-100-D-106

Issue
11

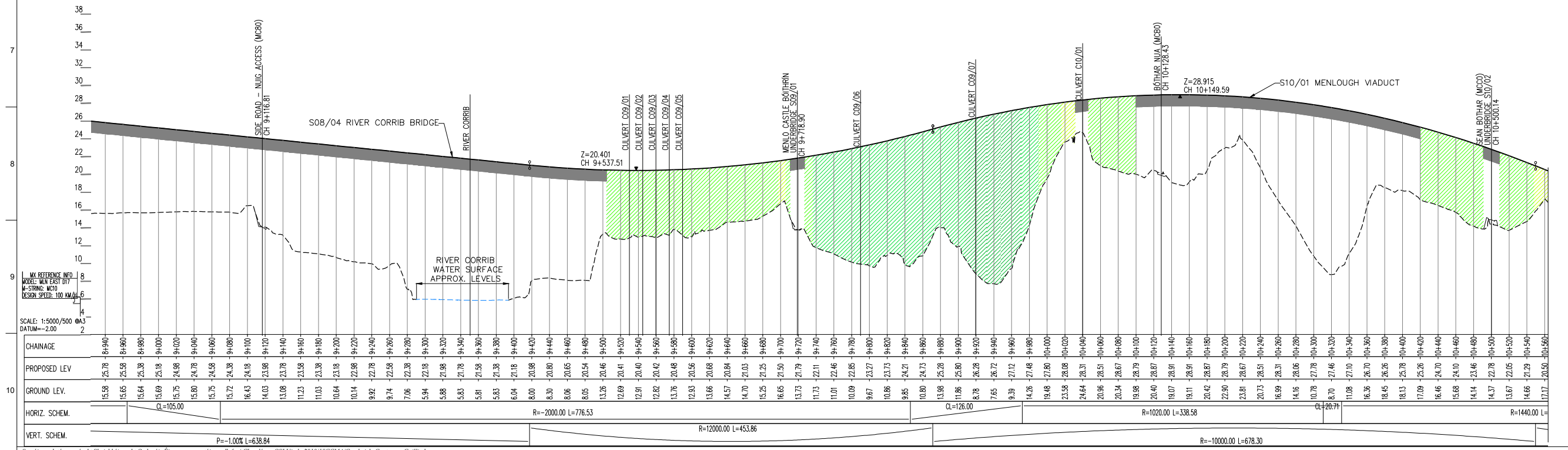


PLAN
SCALE: 1:5000@A3

DESIGN REPORT

- Legend:**
- Proposed Development Boundary
 - Proposed Road Development
 - Earthworks - Fill
 - Earthworks - Cut
 - Structure
 - Proposed Retaining wall/ Earth Retention
 - Proposed Culvert
 - Proposed Environmental Underpass
 - Proposed Mammal Green Overbridge
 - Proposed Attenuation Pond / Infiltration Basin / Wetlands
 - Proposed Stream Diversion

- Profile**
- Existing Ground
 - Proposed Geometry Profile
 - FILL 15m +
 - FILL 10m - 15m
 - FILL 05m - 10m
 - FILL 00m - 05m
 - CUT 00m - 05m
 - CUT 05m - 10m
 - CUT 10m - 15m
 - CUT 15m +
 - LACKAGH QUARRY TUNNEL
 - GALWAY RACECOURSE TUNNEL



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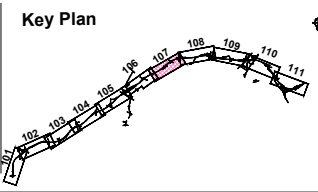
Clients

Comhairle Chontae na Gaillimhe
Galway County Council

Gaúy City Transport Project

An Roinn Iompair
Turastóireacht agus Spóirt

TII
Bonnairí Iompair Éireann



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Job Title
N6 Galway City Ring Road

Scale
As Shown

Date
February 2018

Issue	Date	By	Chkd	Appd
I2	12/03/2018	KJ	MG	EMC
I1	22/02/2018	KJ	MG	EMC

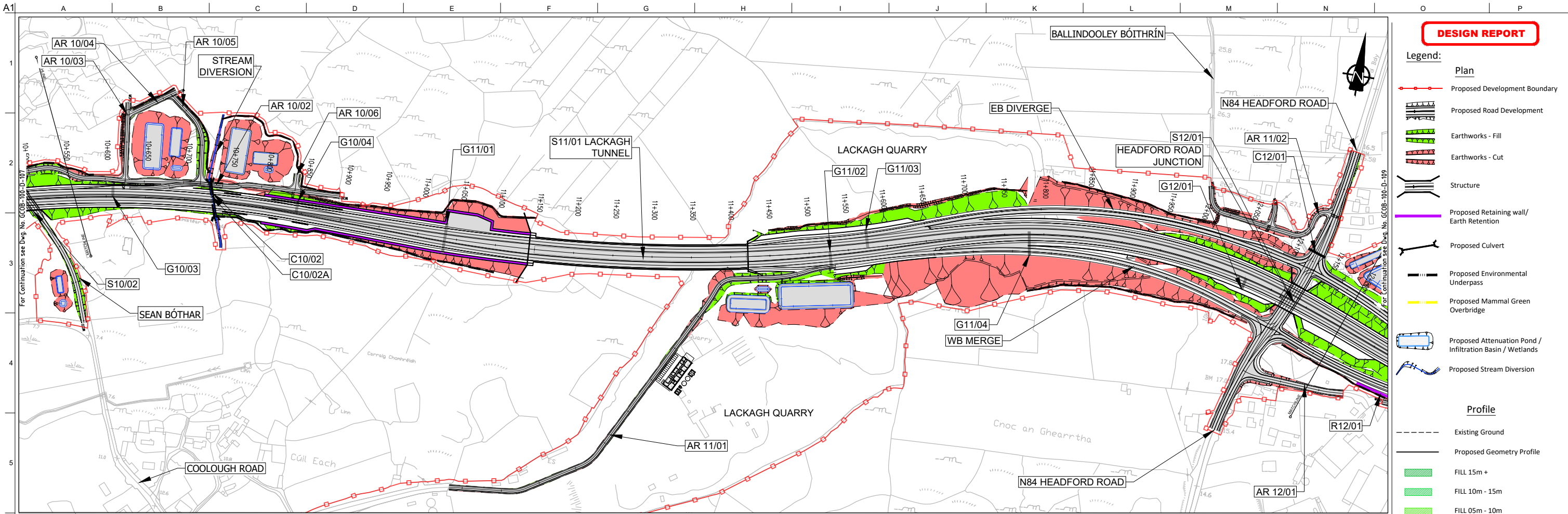
Drawing Title
Proposed Design Geometry
Mainline Plan /Profile - CH.8+950 to CH.10+550
Sheet 7 of 11

Drawing Status
For Information

Job No
233985

Drawing No
GCOB-100-D-107

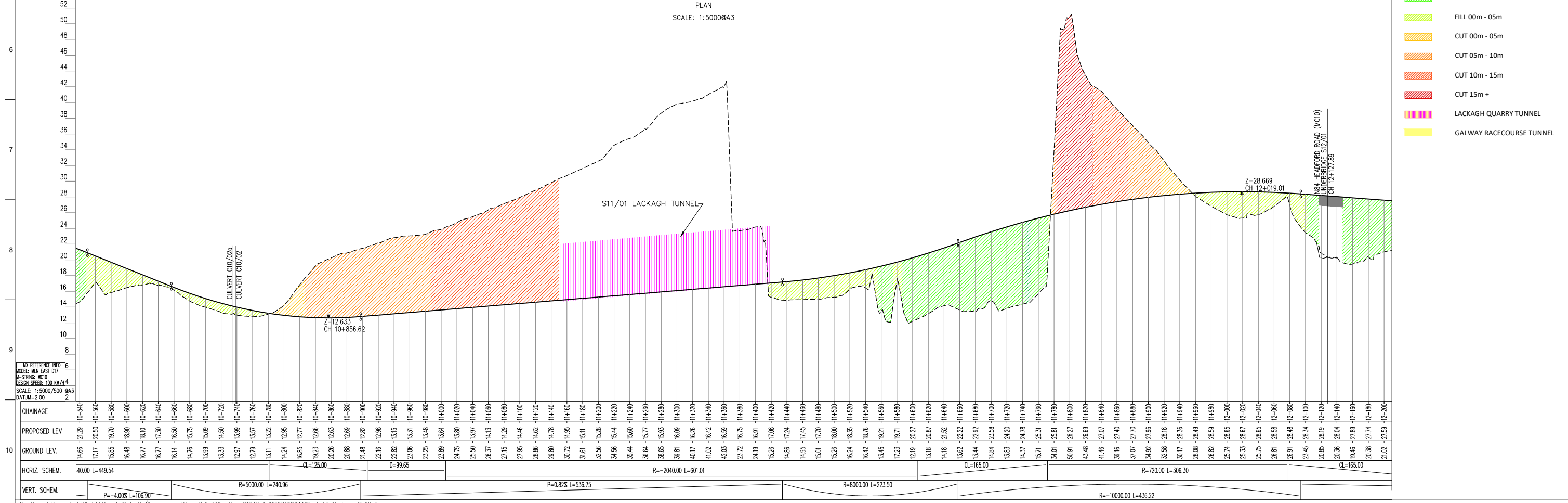
Issue
12



DESIGN REPORT

- Legend:**
- Plan
 - Proposed Development Boundary
 - Proposed Road Development
 - Earthworks - Fill
 - Earthworks - Cut
 - Structure
 - Proposed Retaining wall/ Earth Retention
 - Proposed Culvert
 - Proposed Environmental Underpass
 - Proposed Mammal Green Overbridge
 - Proposed Attenuation Pond / Infiltration Basin / Wetlands
 - Proposed Stream Diversion

- Profile**
- Existing Ground
 - Proposed Geometry Profile
 - FILL 15m +
 - FILL 10m - 15m
 - FILL 05m - 10m
 - FILL 00m - 05m
 - CUT 00m - 05m
 - CUT 05m - 10m
 - CUT 10m - 15m
 - CUT 15m +
 - LACKAGH QUARRY TUNNEL
 - GALWAY RACECOURSE TUNNEL



Client: Comhairle Chontae na Gaillimhe, Galway County Council

Consultant: ARUP

Job Title: N6 Galway City Ring Road

Scale: As Shown

Date: February 2018

Drawing Title: Proposed Design Geometry Mainline Plan /Profile - CH.10+550 to CH.12+200 Sheet 8 of 11

For Information: Job No: 233985, Drawing No: GCOB-100-D-108, Issue: 11

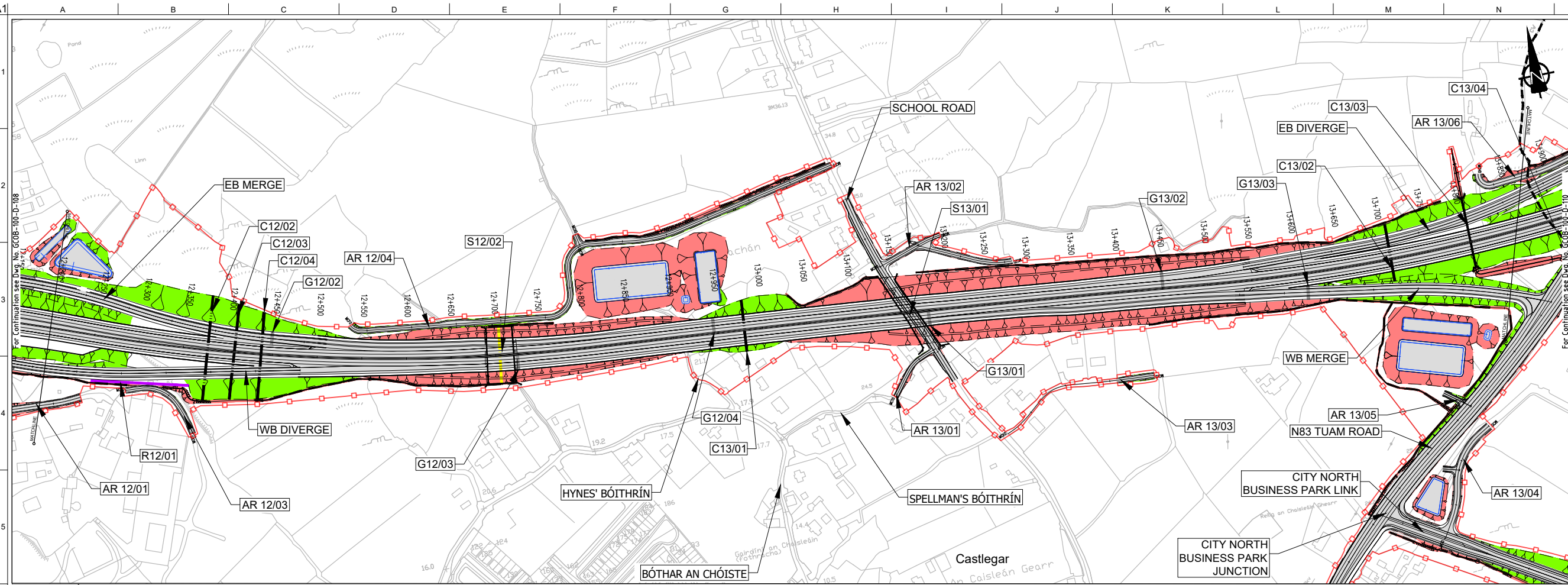
Key Plan: A small map showing the location of this sheet within the overall project area.

Legend: A small version of the design legend.

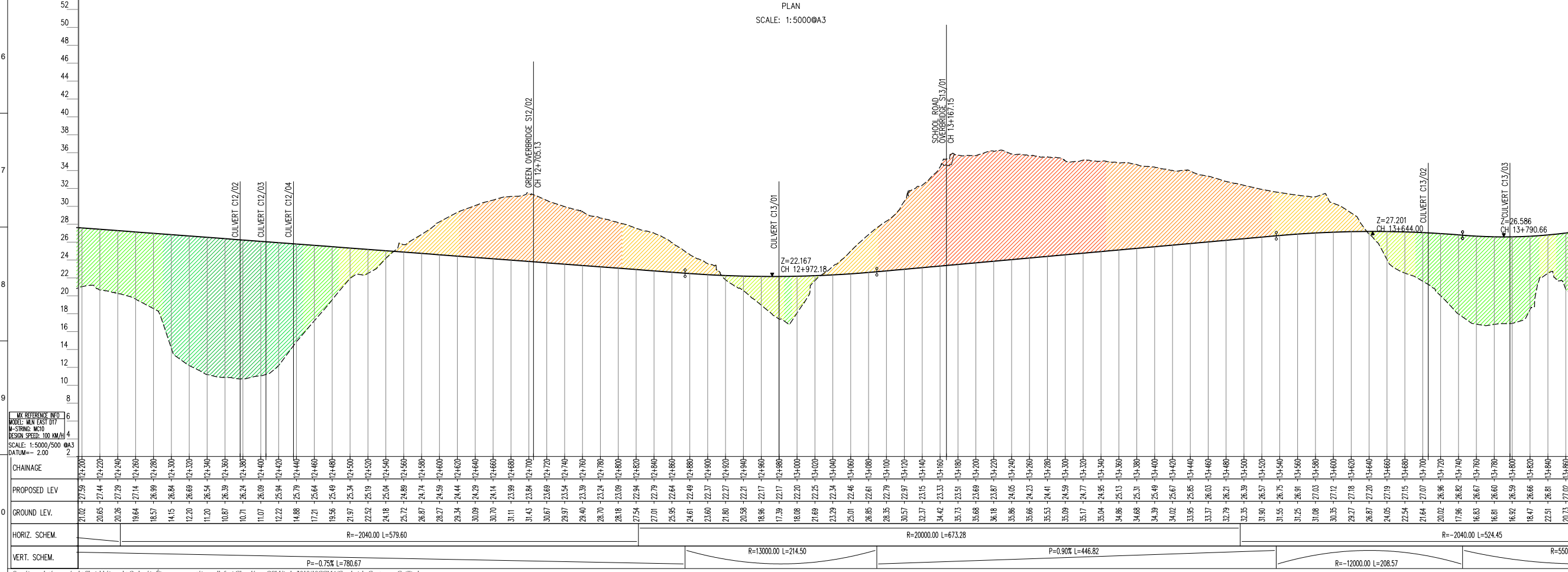
Table: A table with columns for Issue, Date, By, Chkd, and Appd, showing the drawing's revision history.

DESIGN REPORT

- Legend:**
- Plan
 - Proposed Development Boundary
 - Proposed Road Development
 - Earthworks - Fill
 - Earthworks - Cut
 - Structure
 - Proposed Retaining wall/ Earth Retention
 - Proposed Culvert
 - Proposed Environmental Underpass
 - Proposed Mammal Green Overbridge
 - Proposed Attenuation Pond / Infiltration Basin / Wetlands
 - Proposed Stream Diversion
 - Profile
 - Existing Ground
 - Proposed Geometry Profile
 - FILL 15m +
 - FILL 10m - 15m
 - FILL 05m - 10m
 - FILL 00m - 05m
 - CUT 00m - 05m
 - CUT 05m - 10m
 - CUT 10m - 15m
 - CUT 15m +
 - LACKAGH QUARRY TUNNEL
 - GALWAY RACECOURSE TUNNEL



PLAN
SCALE: 1:5000@A3



VERT. SCHEM. data table as shown above.

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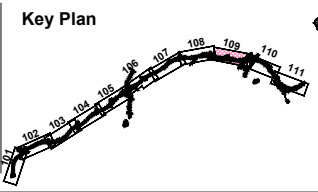
Clients

Comhairle Chontae na Gaillimhe
Galway County Council

Galway City Transport Project

An Roinn Iompair
Turasóireachta agus Sport

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Job Title
N6 Galway City Ring Road

Scale
As Shown

Date
February 2018

Issue	Date	By	Chkd	Appd
11	22/02/2018	KJ	MG	EMC

Drawing Title
**Proposed Design Geometry
Mainline Plan/Profile - CH.12+200 to CH.13+850**

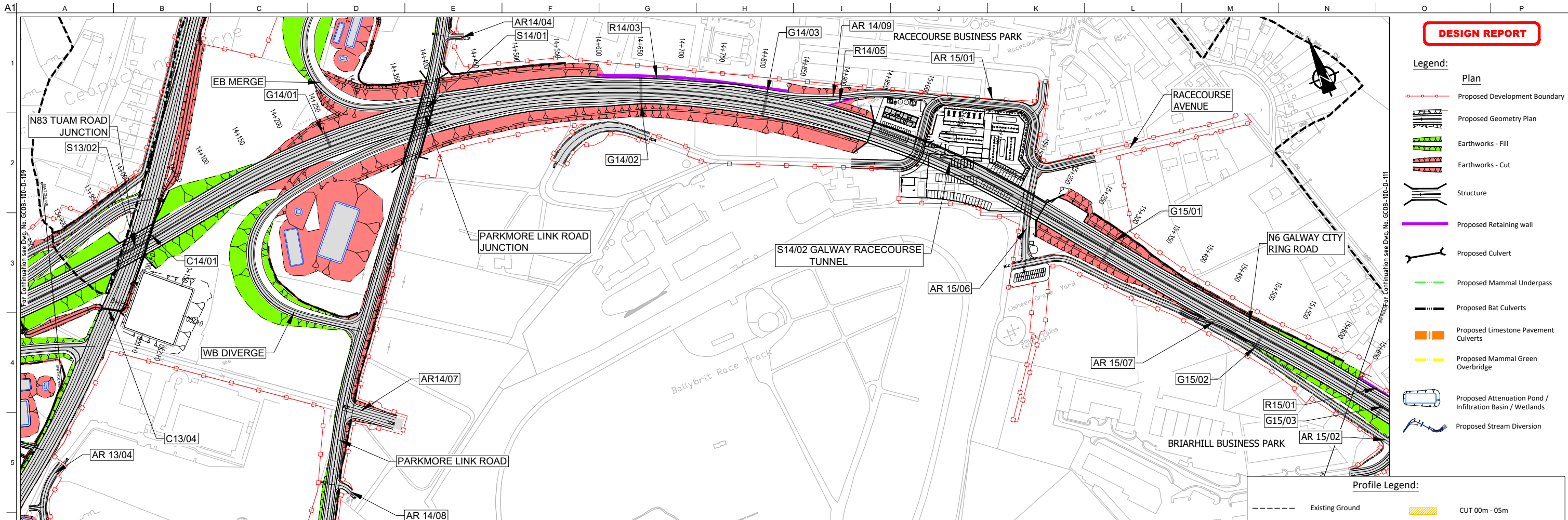
Drawing Status
Sheet 9 of 11

For Information

Job No
233985

Drawing No
GC0B-100-D-109

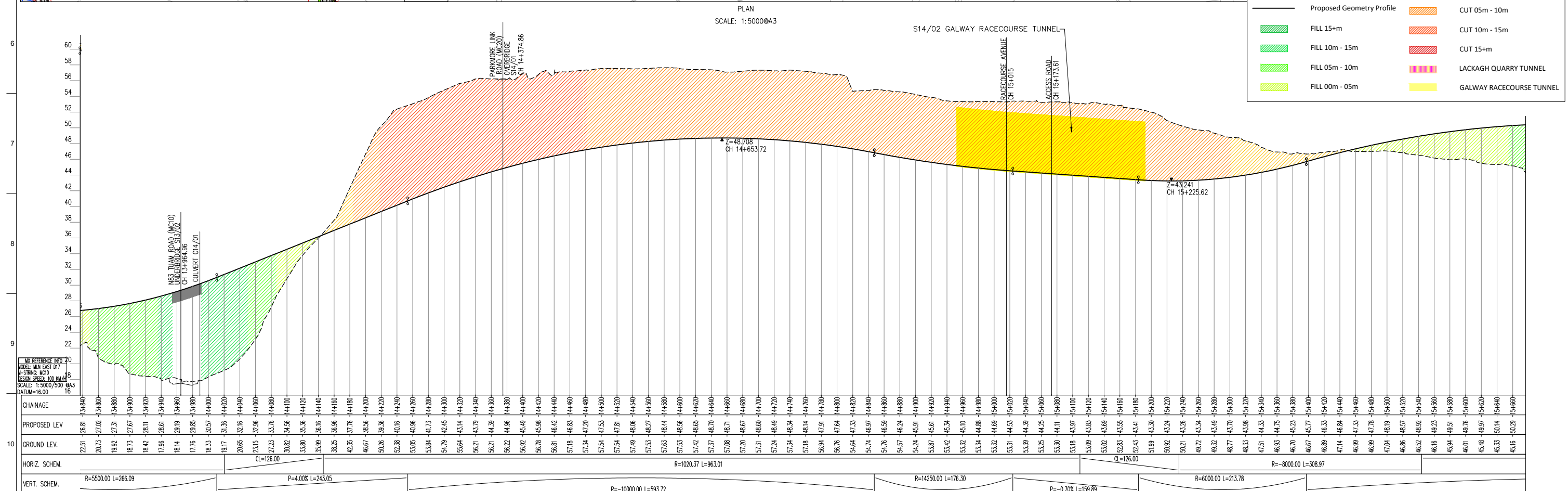
Issue
11



DESIGN REPORT

- Legend:**
- Proposed Development Boundary
 - Proposed Geometry Plan
 - Earthworks - Fill
 - Earthworks - Cut
 - Structure
 - Proposed Retaining wall
 - Proposed Culvert
 - Proposed Mammal Underpass
 - Proposed Bat Culverts
 - Proposed Limestone Pavement Culverts
 - Proposed Mammal Green Overbridge
 - Proposed Attenuation Pond / Infiltration Basin / Wetlands
 - Proposed Stream Diversion

- Profile Legend:**
- Existing Ground
 - Proposed Geometry Profile
 - FILL 15+m
 - FILL 10m - 15m
 - FILL 05m - 10m
 - FILL 00m - 05m
 - CUT 00m - 05m
 - CUT 05m - 10m
 - CUT 10m - 15m
 - CUT 15+m
 - LACKAGH QUARRY TUNNEL
 - GALWAY RACECOURSE TUNNEL



CHAINAGE	PROPOSED LEV.	GROUND LEV.	HORIZ. SCHEM.	VERT. SCHEM.
22.51	26.81	22.51	R=5500.00 L=266.09	
20.73	27.02	20.73		
19.92	27.31	19.92		
18.73	27.67	18.73		
17.96	28.61	17.96		
18.14	29.19	18.14		
17.76	29.85	17.76		
18.33	30.57	18.33		
19.17	31.36	19.17		
20.65	32.16	20.65		
23.15	32.96	23.15		
27.23	33.76	27.23		
30.82	34.56	30.82		
33.80	35.36	33.80		
35.99	36.16	35.99		
38.25	36.96	38.25		
42.35	37.76	42.35		
46.67	38.56	46.67		
50.76	39.36	50.76		
52.38	40.16	52.38		
53.05	40.96	53.05		
53.84	41.73	53.84		
54.79	42.45	54.79		
55.64	43.14	55.64		
56.21	43.79	56.21		
56.72	44.36	56.72		
56.92	45.49	56.92		
56.78	45.98	56.78		
56.81	46.42	56.81		
57.18	46.83	57.18		
57.34	47.20	57.34		
57.54	47.53	57.54		
57.49	48.06	57.49		
57.53	48.27	57.53		
57.63	48.44	57.63		
57.53	48.56	57.53		
57.42	48.65	57.42		
57.37	48.70	57.37		
57.08	48.71	57.08		
57.20	48.67	57.20		
57.31	48.60	57.31		
57.24	48.49	57.24		
57.34	48.34	57.34		
57.18	48.14	57.18		
56.94	47.91	56.94		
56.76	47.64	56.76		
54.64	47.33	54.64		
54.74	46.97	54.74		
54.76	46.59	54.76		
54.57	46.24	54.57		
54.24	45.91	54.24		
53.87	45.61	53.87		
53.42	45.34	53.42		
53.32	45.10	53.32		
53.34	44.88	53.34		
53.32	44.69	53.32		
53.31	44.53	53.31		
53.39	44.39	53.39		
53.25	44.25	53.25		
53.30	44.11	53.30		
53.18	43.97	53.18		
53.09	43.83	53.09		
53.02	43.69	53.02		
52.83	43.55	52.83		
52.43	43.41	52.43		
51.99	43.30	51.99		
50.92	43.24	50.92		
50.21	43.26	50.21		
49.72	43.34	49.72		
48.32	43.49	48.32		
48.77	43.70	48.77		
48.33	43.98	48.33		
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47.04	48.19	47.04		
46.86	48.57	46.86		
46.52	48.92	46.52		
46.16	49.23	46.16		
45.94	49.51	45.94		
46.01	49.76	46.01		
45.48	49.97	45.48		
45.33	50.14	45.33		
45.16	50.29	45.16		

Clients

Comhairle Chontae na Gaillimhe
Galway County Council

An Roinn Iompair
Turasóireacht agus Spóirt

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Job Title

N6 Galway City Ring Road

Scale

As Shown

Date: February 2018

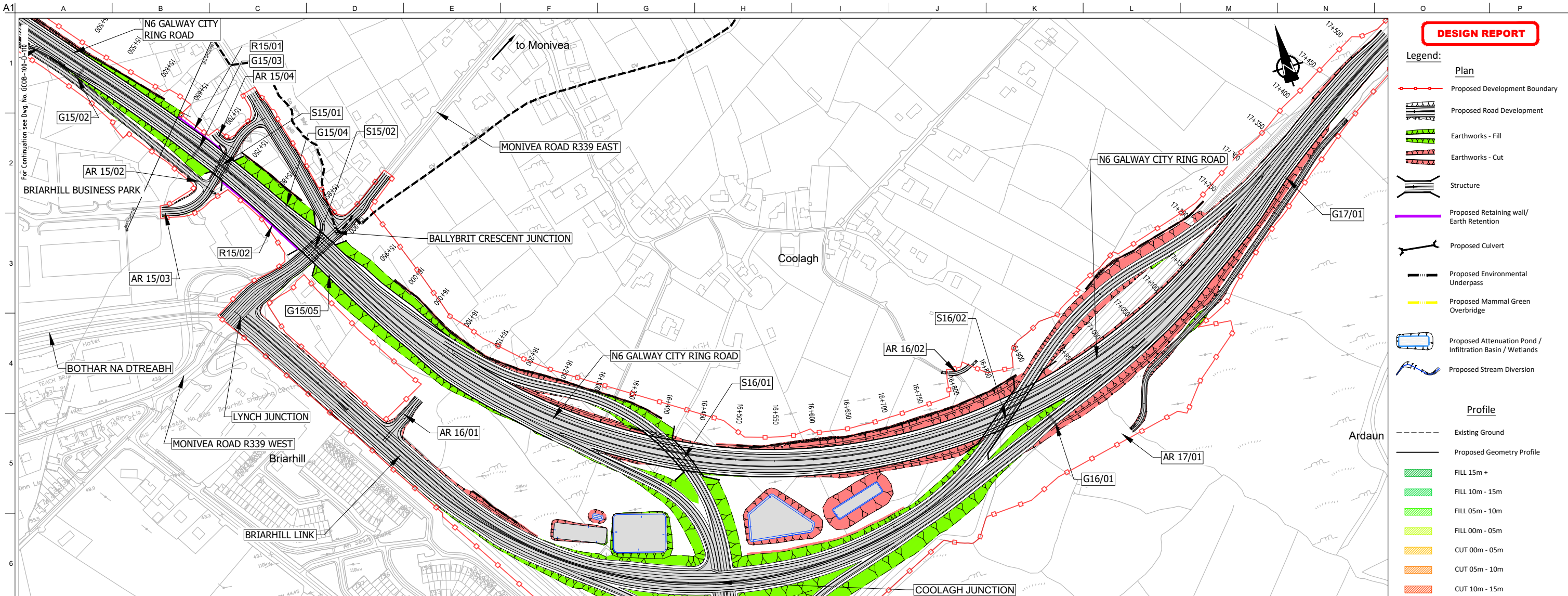
Drawing Title

Proposed Design Geometry
Mainline Plan/Profile - CH.13+850 to CH.15+650
Sheet 10 of 11

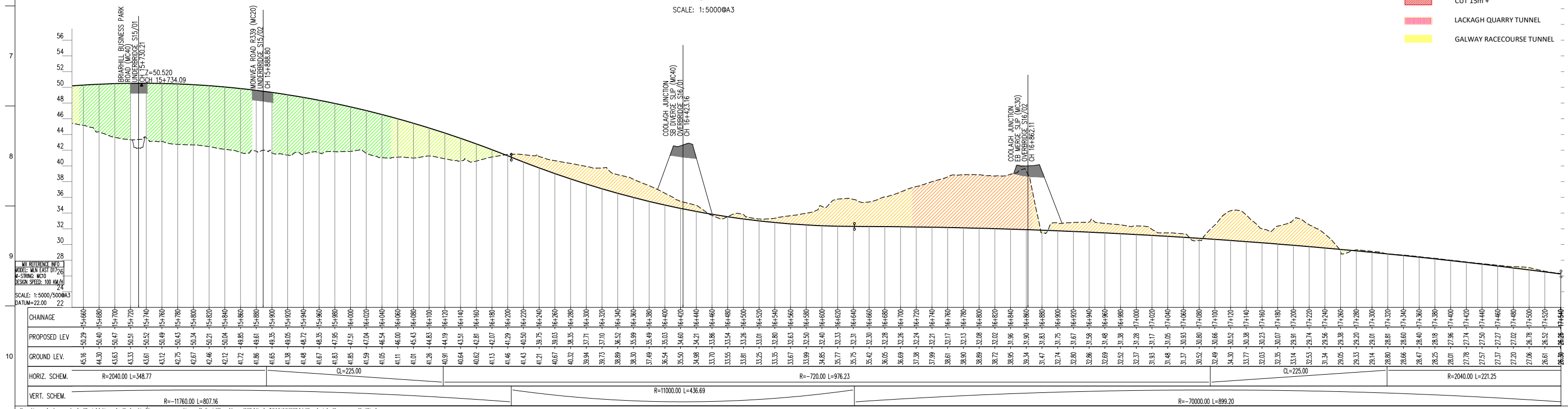
For Information

11	22/02/2018	KJ	MG	EMC
Issue	Date	By	Chkd	Appd

Job No: **233985**
Drawing No: **GC0B-100-D-110**
Issue: **11**



PLAN
SCALE: 1:5000@A3



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Job Title

N6 Galway City Ring Road

Scale: As Shown

Date: February 2018

Drawing Title

**Proposed Design Geometry
Mainline Plan/Profile - CH.15+650 to CH.17+540**

Sheet 11 of 11

Drawing Status

For Information

Job No	Drawing No	Issue
233985	GC0B-100-D-111	11