Mainline Plan and Profile

BUSCONNECTS DUBLIN
CORE BUS CORRIDORS INFRASTRUCTURE WORKS

CLONGRIFFIN TO CITY CENTRE CORE BUS CORRIDOR SCHEME

MAINLINE PLAN AND PROFILE

DRAWING SERIES NUMBER(S)	DRAWING SERIES DESCRIPTION
BCIDA-ACM-GEO_IX-0001_XX_00-DR-CR-0003	CLONGRIFFIN TO CITY CENTRE CORE BUS CORRIDOR SCHEME. MAINLINE PLAN AND PROFILE. COVER SHEET
BCIDA-ACM-GEO_KP-0001_ML_00-DR-CR-0001	CLONGRIFFIN TO CITY CENTRE CORE BUS CORRIDOR SCHEME. MAINLINE PLAN AND PROFILE. KEY PLAN
BCIDA-ACM-GEO_HV-0001_ML_00-DR-CR-0006 to 0021	CLONGRIFFIN TO CITY CENTRE CORE BUS CORRIDOR SCHEME. MAINLINE PLAN AND PROFILE

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Rev	Date	Drn	Chk'd	App'd	Description
M01	03/12/21	PP	JH	CA	ISSUE FOR PHASE 4: PLANNING

Client: NTA Údarás Náisiúnta Iompair National Transport Authority

Engineering Designer: AECOM / MOTT MACDONALD

Date	Scale	Drawn	Checked	Approved
03/12/21	NTS @ A1 N/A @ A3	P.POCZATKO	J.HAWE	C.ACTON

Project Code	Originator Code	QMS Code
BCIDA	ACM	

Programme Title: BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS

Drawing Title: CLONGRIFFIN TO CITY CENTRE CORE BUS CORRIDOR SCHEME MAINLINE PLAN AND PROFILE COVER SHEET

Drawing File Name	Sheet Number	Status	Rev
BCIDA-ACM-GEO_IX-0001_XX_00-DR-CR-0003	01 of 01	A	M01

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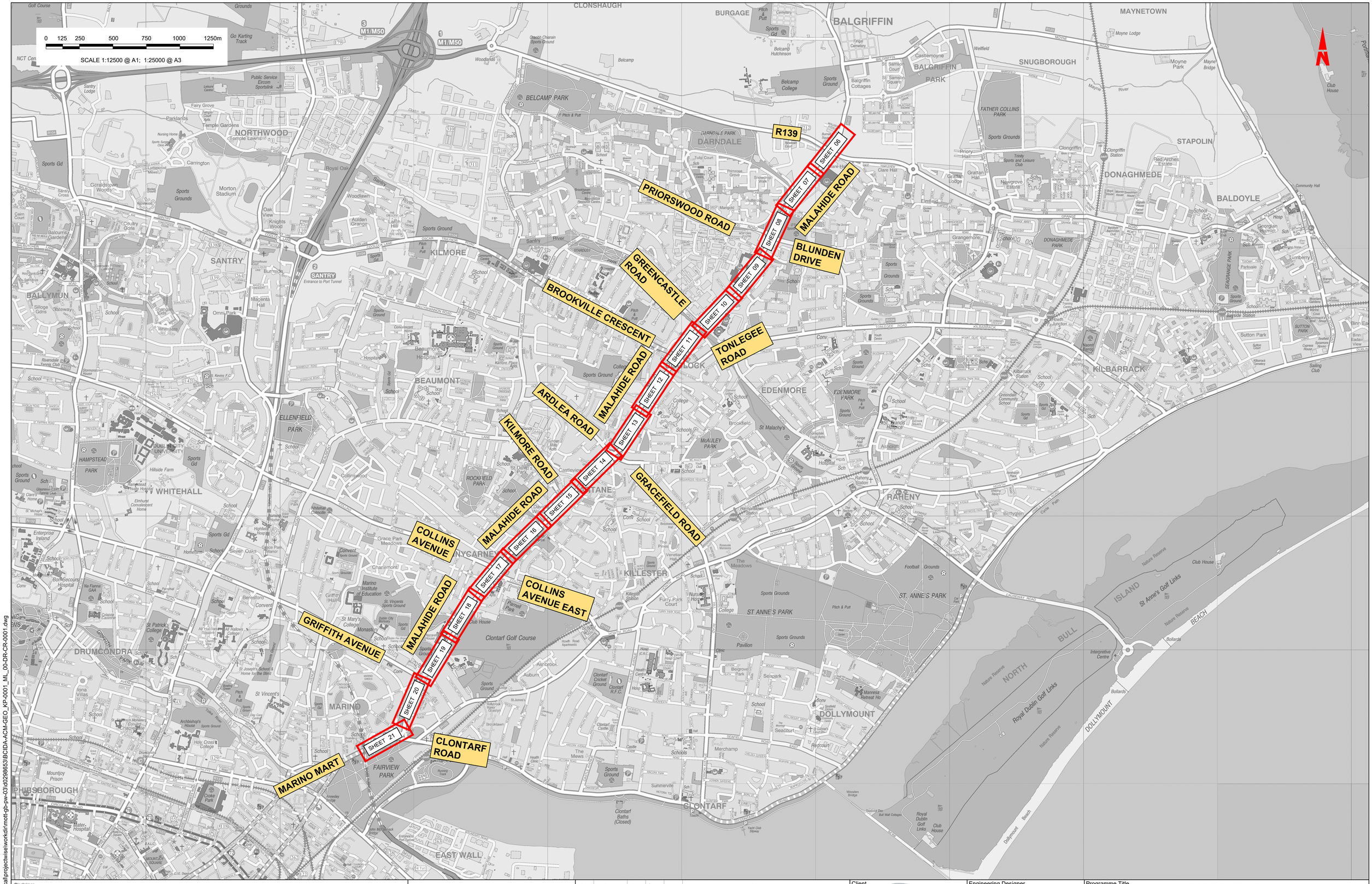

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Rev	Date	Drn	Chk'd	App'd	Description
M01	03/12/21	PP	JH	CA	ISSUE FOR PHASE 4: PLANNING

Client: NTA Údarás Náisiúnta Iompair National Transport Authority

Engineering Designer: AECOM / MOTT MACDONALD

Programme Title: **BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS**

Drawing Title: CLONGRIFFIN TO CITY CENTRE CORE BUS CORRIDOR SCHEME MAINLINE PLAN AND PROFILE KEY PLAN

Date	Scale	Drawn	Checked	Approved
03/12/21	1:12500 @ A1 1:25000 @ A3	P.POCZATKO	J.HAWE	C.ACTON

Project Code	Originator Code	QMS Code	Drawing File Name	Sheet Number	Status	Rev
BCIDA	ACM		BCIDA-ACM-GEO_KP-0001_ML_00-DR-CR-0001	01 of 01	A	M01

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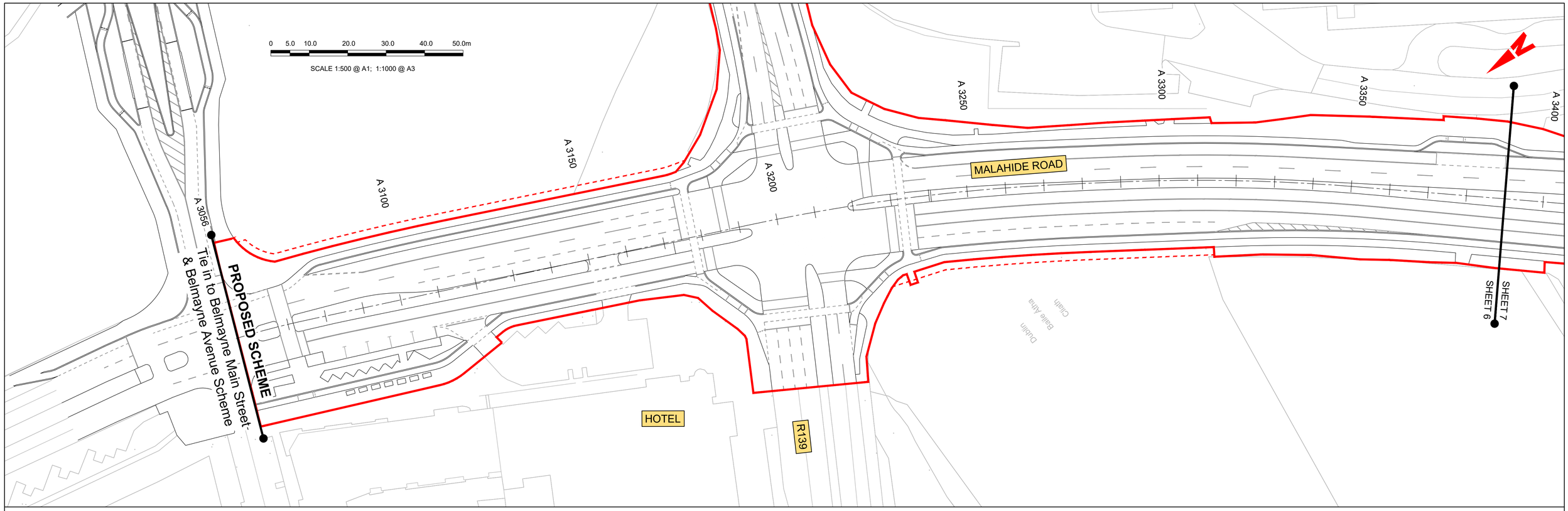

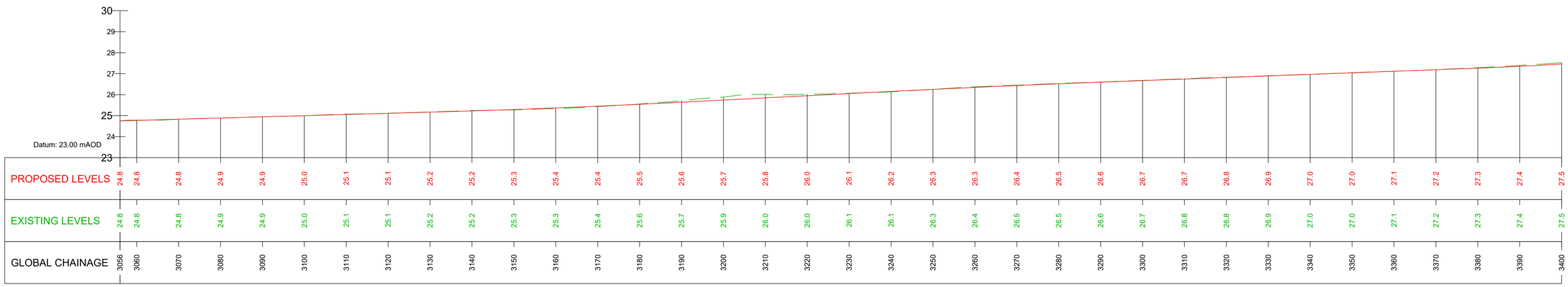

GEO_HV-01_ML_0000_M3_CR-0002-A01 LONGITUDINAL SECTION 6
SCALE: H 1:500,V 1:100.

LEGEND:

- PROPOSED GROUND PROFILE
- EXISTING GROUND PROFILE
- SITE BOUNDARY LINE
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Engineering Designer: AECOM / MOTT MACDONALD

Programme Title: **BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS**

Drawing Title: CLONGRIFFIN TO CITY CENTRE CORE BUS CORRIDOR SCHEME MAINLINE PLAN AND PROFILE

Date	Scale	Drawn	Checked	Approved
03/12/21	1:500 @ A1 1:1000 @ A3	P.POCZATKO	J.HAWE	C.ACTON

Project Code	Originator Code	QMS Code	Drawing File Name	Sheet Number	Status	Rev
BCIDA	ACM		BCIDA-ACM-GEO_HV-0001_ML_00-DR-CR-0006	06 of 21	A	M01

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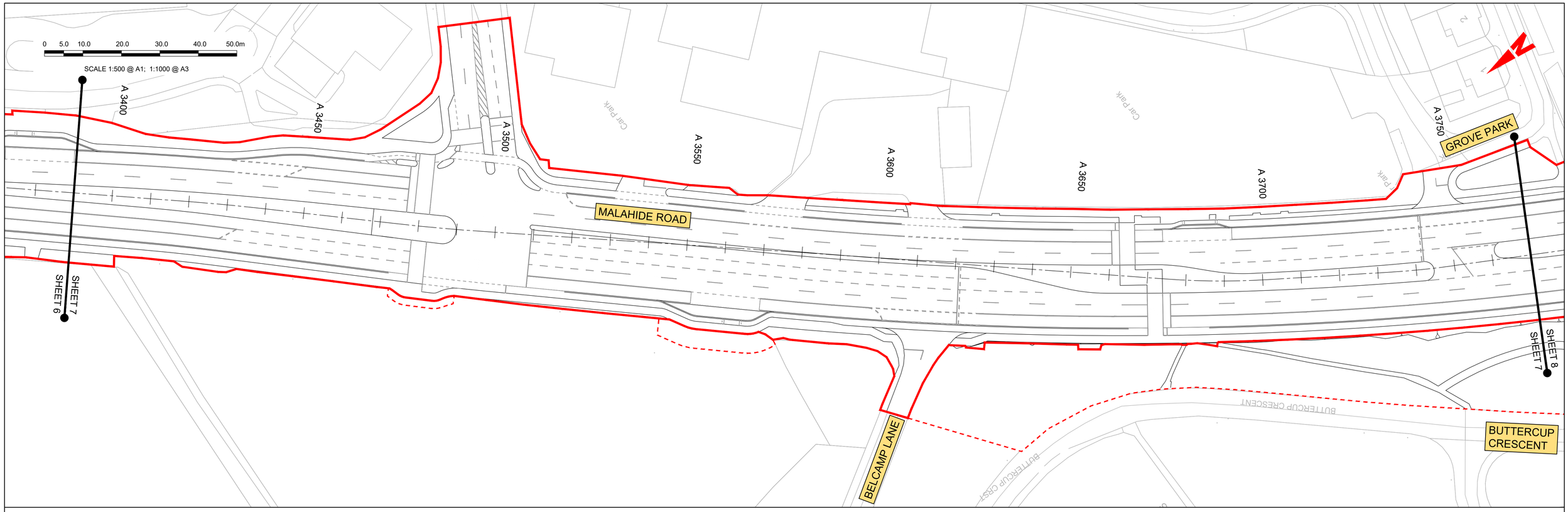

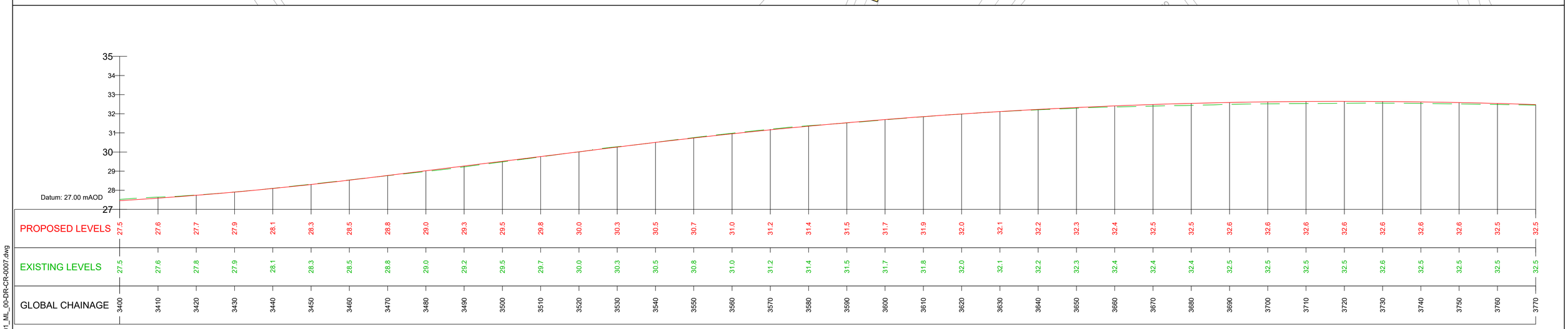

GEO_HV-01_ML_0000_M3_CR-0002-A01 LONGITUDINAL SECTION 7
SCALE: H 1:500,V 1:100.

LEGEND:

- PROPOSED GROUND PROFILE
- EXISTING GROUND PROFILE
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Engineering Designer: AECOM / MOTT MACDONALD

Programme Title: **BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS**

Drawing Title: CLONGRIFFIN TO CITY CENTRE CORE BUS CORRIDOR SCHEME MAINLINE PLAN AND PROFILE

Date	Scale	Drawn	Checked	Approved
03/12/21	1:500 @ A1 1:1000 @ A3	P.POCZATKO	J.HAWE	C.ACTON

Project Code	Originator Code	QMS Code	Drawing File Name	Sheet Number	Status	Rev
BCIDA	ACM		BCIDA-ACM-GEO_HV-0001_ML_00-DR-CR-0007	07 of 21	A	M01

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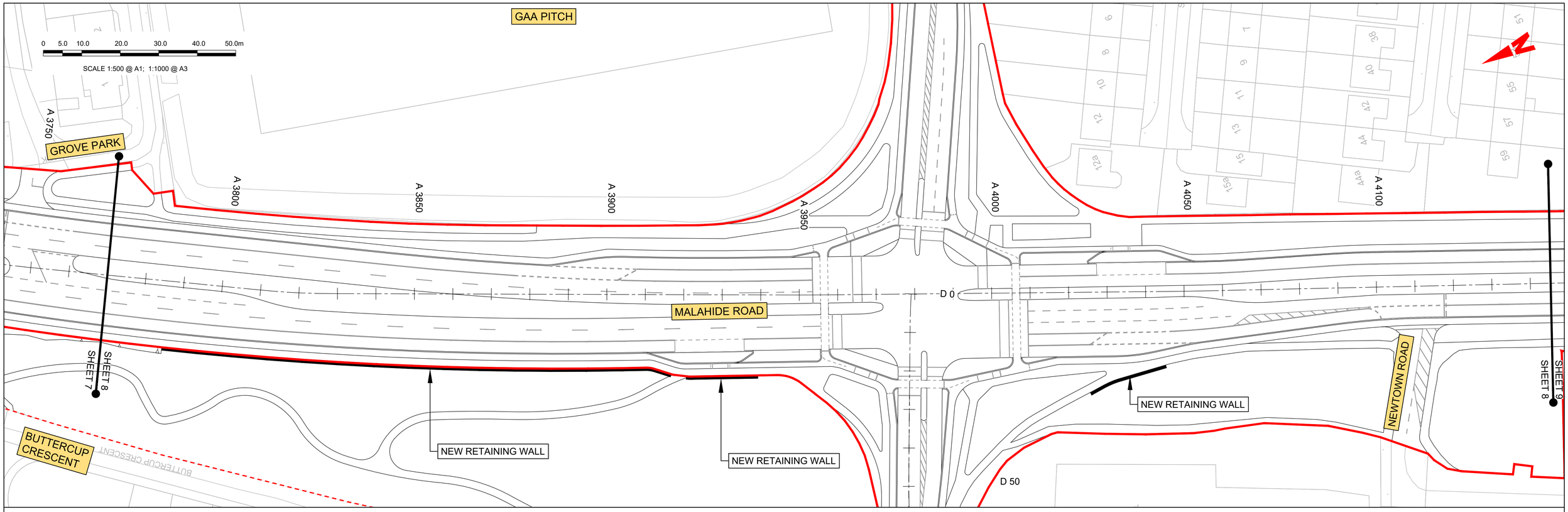

GEO_HV-01_ML_0000_M3_CR-0002-A01 LONGITUDINAL SECTION 8
SCALE: H 1:500,V 1:100.

LEGEND:

- PROPOSED GROUND PROFILE
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M01	03/12/21	PP	JH	CA	ISSUE FOR PHASE 4: PLANNING

Client: NTA Údarás Náisiúnta Iompair National Transport Authority

Engineering Designer: AECOM / MOTT MACDONALD

Programme Title: **BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS**

Drawing Title: CLONGRIFFIN TO CITY CENTRE CORE BUS CORRIDOR SCHEME MAINLINE PLAN AND PROFILE

Date	Scale	Drawn	Checked	Approved
03/12/21	1:500 @ A1 1:1000 @ A3	P.POCZATKO	J.HAWE	C.ACTON

Project Code	Originator Code	QMS Code	Drawing File Name	Sheet Number	Status	Rev
BCIDA	ACM		BCIDA-ACM-GEO_HV-0001_ML_00-DR-CR-0008	08 of 21	A	M01

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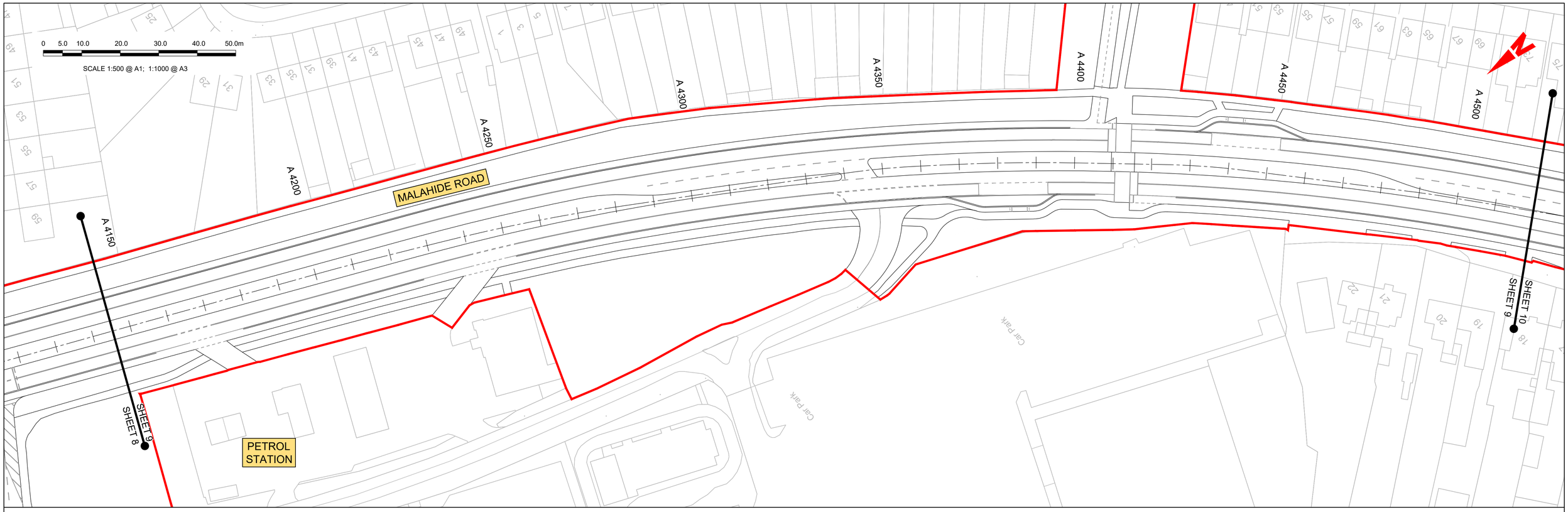

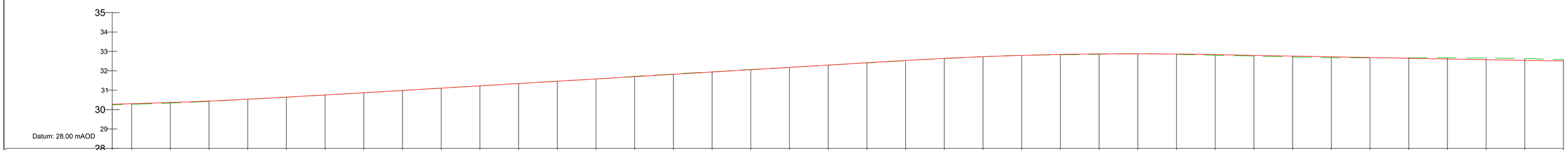

GLOBAL CHAINAGE	PROPOSED LEVELS	EXISTING LEVELS
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4150	30.3	30.3
4160	30.4	30.3
4170	30.4	30.4
4180	30.5	30.5
4190	30.6	30.6
4200	30.8	30.8
4210	30.9	30.9
4220	31.0	31.0
4230	31.1	31.1
4240	31.2	31.2
4250	31.3	31.3
4260	31.5	31.5
4270	31.6	31.6
4280	31.7	31.7
4290	31.8	31.8
4300	31.9	31.9
4310	32.1	32.1
4320	32.2	32.2
4330	32.3	32.3
4340	32.4	32.4
4350	32.5	32.5
4360	32.6	32.6
4370	32.7	32.7
4380	32.8	32.8
4390	32.8	32.8
4400	32.9	32.9
4410	32.9	32.9
4420	32.9	32.9
4430	32.8	32.8
4440	32.8	32.8
4450	32.8	32.7
4460	32.7	32.7
4470	32.7	32.7
4480	32.7	32.7
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4500	32.6	32.7
4510	32.6	32.6
4520	32.5	32.6

GEO_HV-01_ML_0000_M3_CR-0002-A01 LONGITUDINAL SECTION 9
SCALE: H 1:500,V 1:100.

LEGEND:

- PROPOSED GROUND PROFILE
- EXISTING GROUND PROFILE
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Client: NTA Údarás Náisiúnta Iompair National Transport Authority

Engineering Designer: AECOM / MOTT MACDONALD

Programme Title: **BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS**

Drawing Title: CLONGRIFFIN TO CITY CENTRE CORE BUS CORRIDOR SCHEME MAINLINE PLAN AND PROFILE

Date	Scale	Drawn	Checked	Approved
03/12/21	1:500 @ A1 1:1000 @ A3	P.POCZATKO	J.HAWE	C.ACTON

Project Code	Originator Code	QMS Code	Drawing File Name	Sheet Number	Status	Rev
BCIDA	ACM		BCIDA-ACM-GEO_HV-0001_ML_00-DR-CR-0009	09 of 21	A	M01

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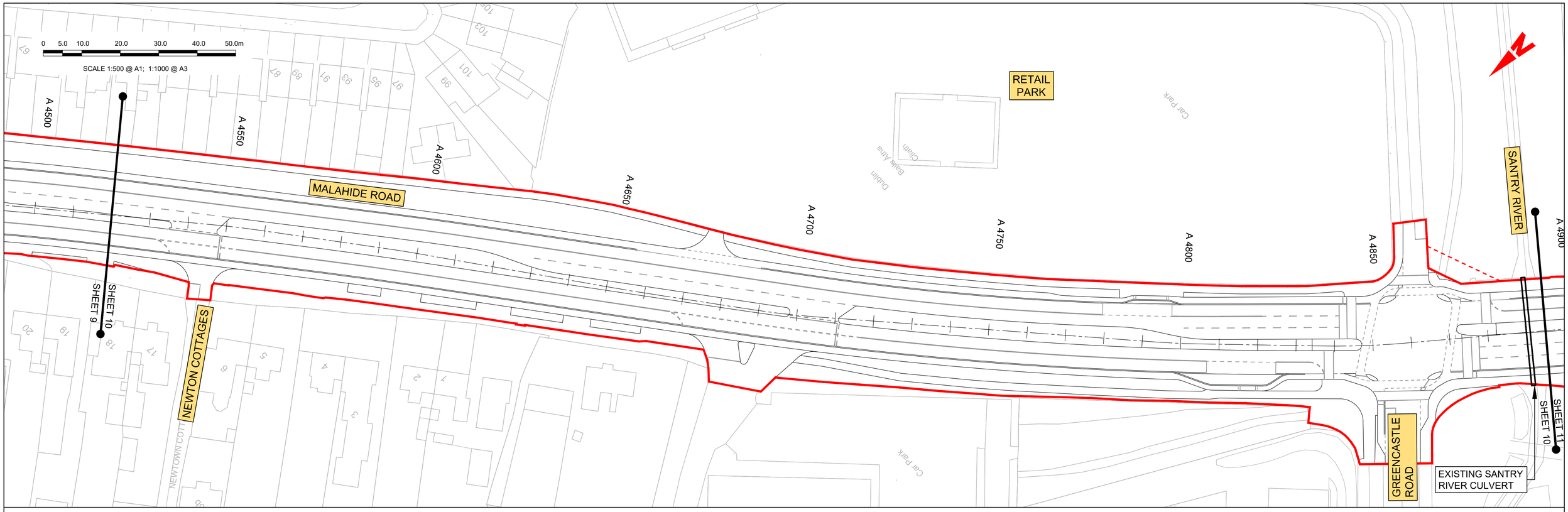

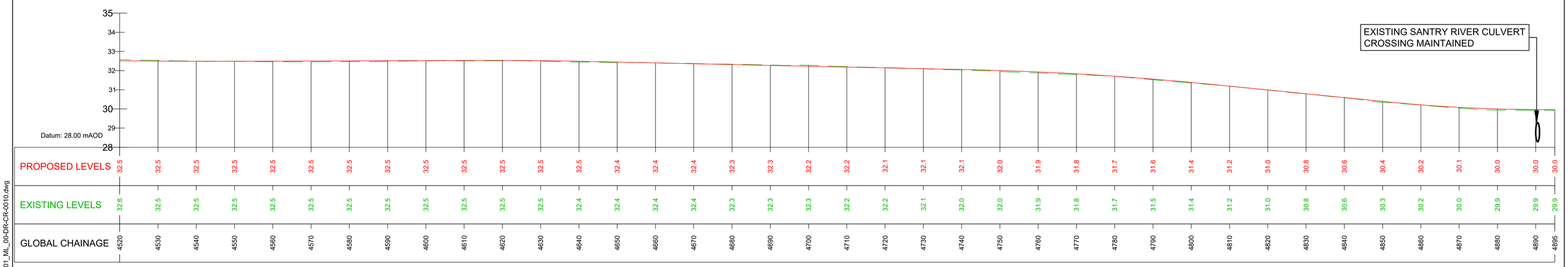

GEO_HV-01_ML_0000_M3_CR-0002-A01 LONGITUDINAL SECTION 10
SCALE: H 1:500,V 1:100.

LEGEND:

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03/12/21	1:500 @ A1 1:1000 @ A3	P.POCZATKO	J.HAWE	C.ACTON

Project Code	Originator Code	QMS Code	Drawing File Name	Sheet Number	Status	Rev
BCIDA	ACM		BCIDA-ACM-GEO_HV-0001_ML_00-DR-CR-0010	10 of 21	A	M01

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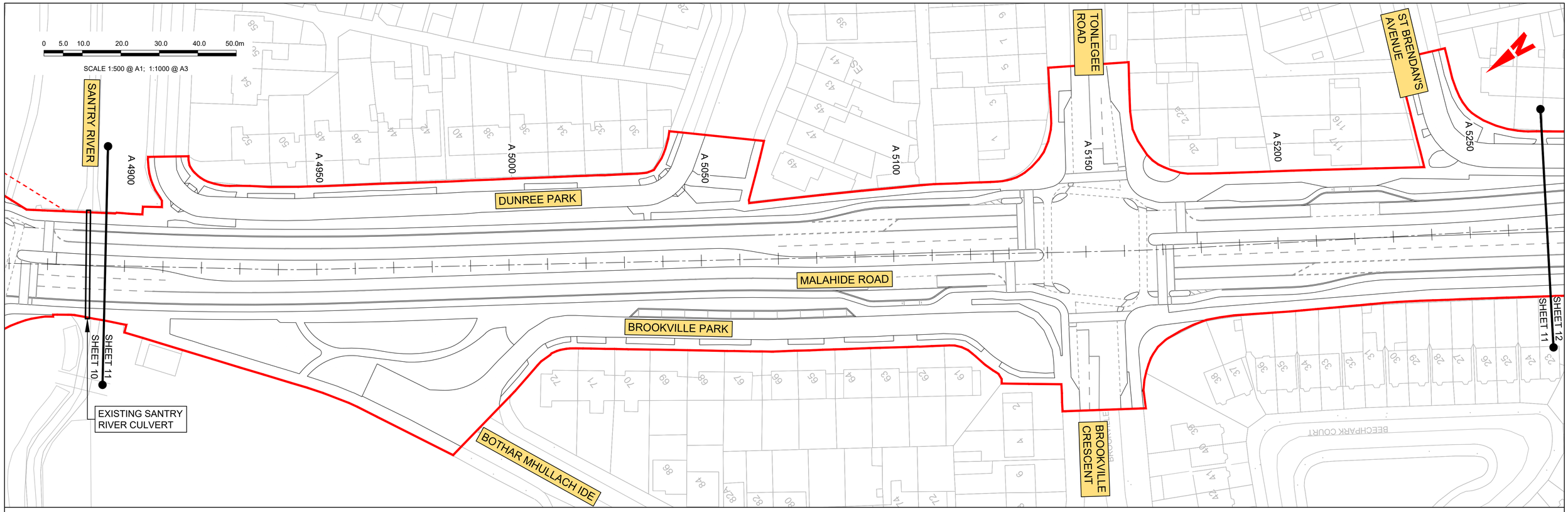

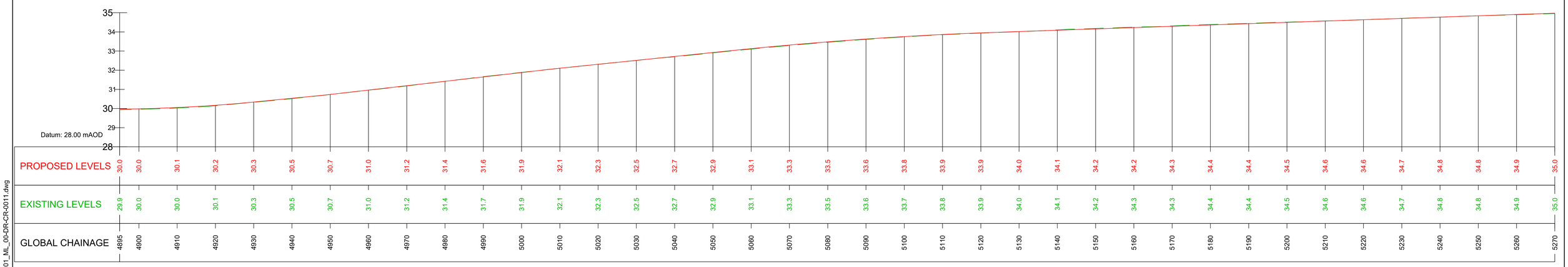

GEO_HV-01_ML_0000_M3_CR-0002-A01 LONGITUDINAL SECTION 11
SCALE: H 1:500,V 1:100.

LEGEND:

- PROPOSED GROUND PROFILE
- EXISTING GROUND PROFILE
- SITE BOUNDARY LINE
- TEMPORARY LAND ACQUISITION

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Project Ireland 2040
Building Ireland's Future

Rev	Date	Drn	Chk'd	App'd	Description
M01	03/12/21	PP	JH	CA	ISSUE FOR PHASE 4: PLANNING

Client: NTA Údarás Náisiúnta Iompair National Transport Authority

Engineering Designer: AECOM / MOTT MACDONALD

Programme Title: **BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS**

Drawing Title: CLONGRIFFIN TO CITY CENTRE CORE BUS CORRIDOR SCHEME MAINLINE PLAN AND PROFILE

Date	Scale	Drawn	Checked	Approved
03/12/21	1:500 @ A1 1:1000 @ A3	P.POCZATKO	J.HAWE	C.ACTON

Project Code	Originator Code	QMS Code	Drawing File Name	Sheet Number	Status	Rev
BCIDA	ACM		BCIDA-ACM-GEO_HV-0001_ML_00-DR-CR-0011	11 of 21	A	M01

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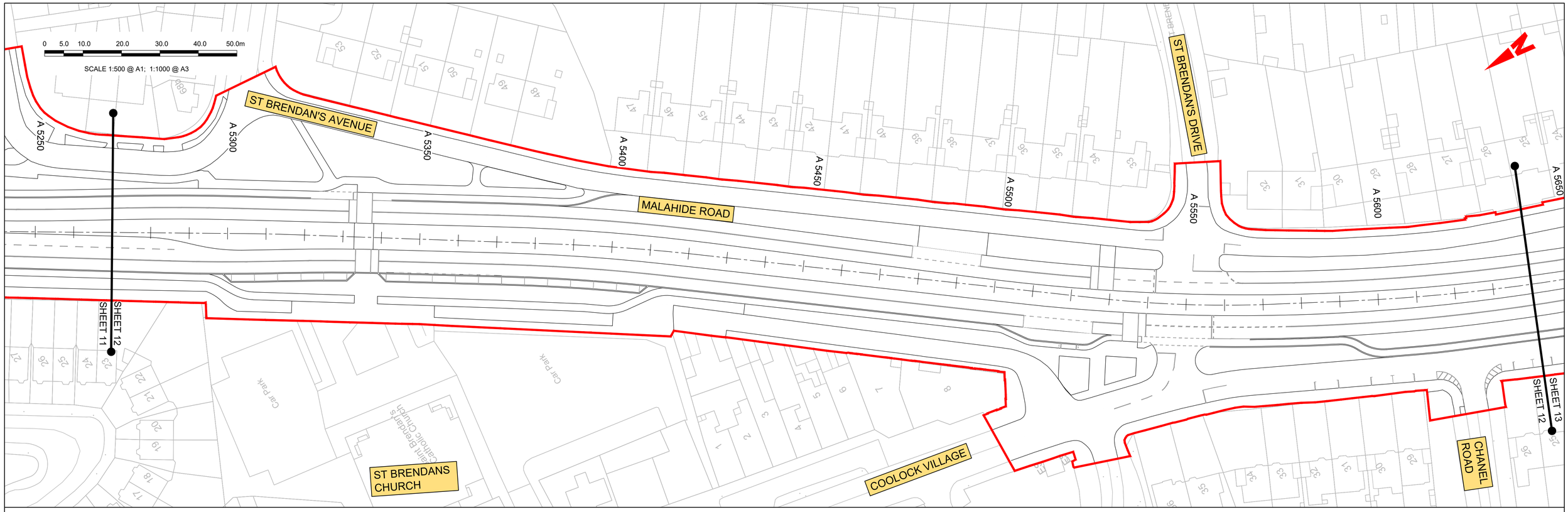

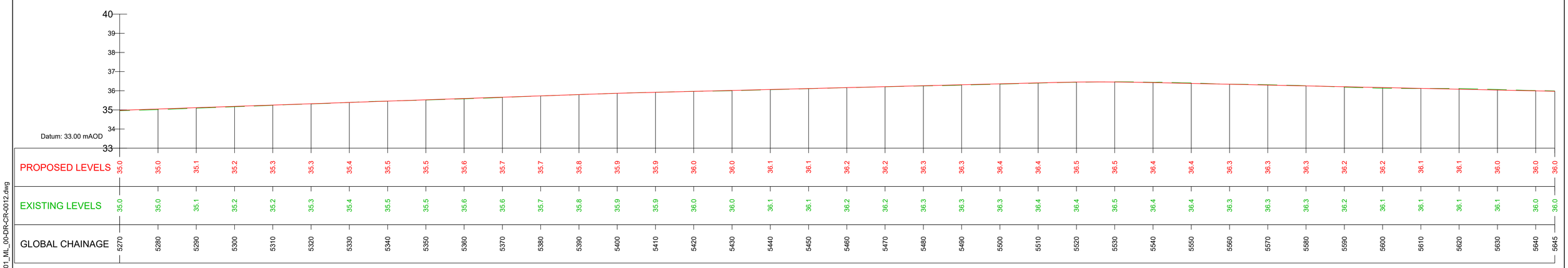

GEO_HV-01_ML_0000_M3_CR-0002-A01 LONGITUDINAL SECTION 12
SCALE: H 1:500,V 1:100.

LEGEND:

- PROPOSED GROUND PROFILE
- EXISTING GROUND PROFILE
- SITE BOUNDARY LINE
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Client: NTA Údarás Náisiúnta Iompair National Transport Authority

Engineering Designer: AECOM / MOTT MACDONALD

Programme Title: **BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS**

Drawing Title: CLONGRIFFIN TO CITY CENTRE CORE BUS CORRIDOR SCHEME MAINLINE PLAN AND PROFILE

Date	Scale	Drawn	Checked	Approved
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Project Code	Originator Code	QMS Code	Drawing File Name	Sheet Number	Status	Rev
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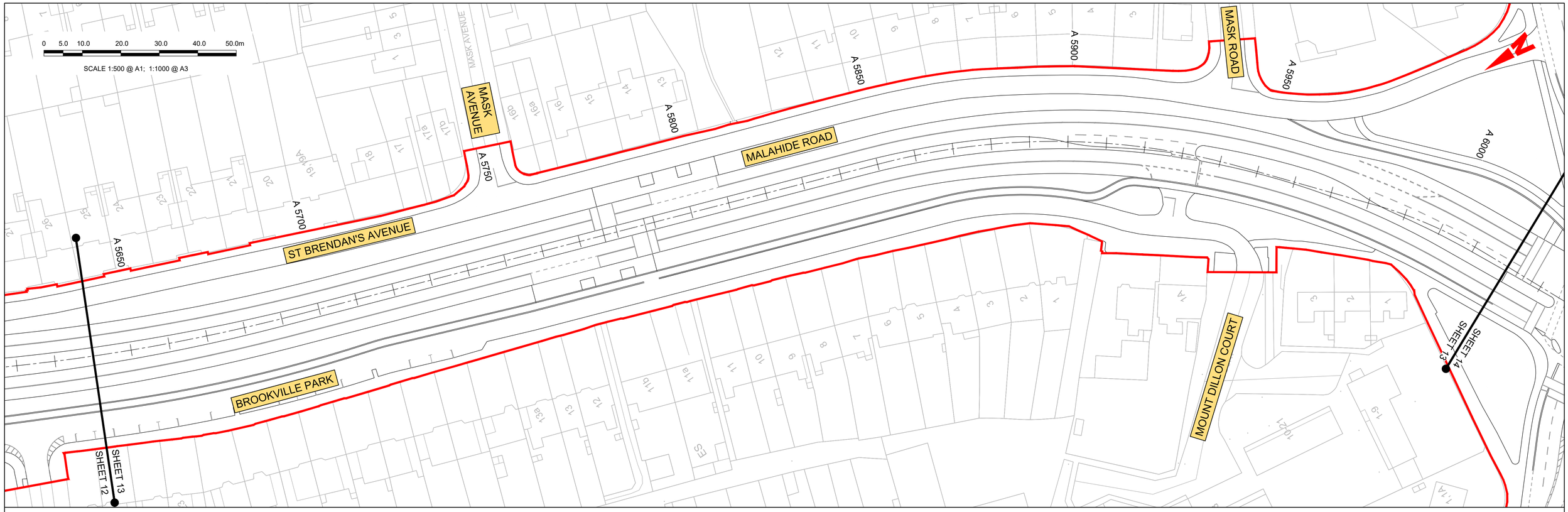

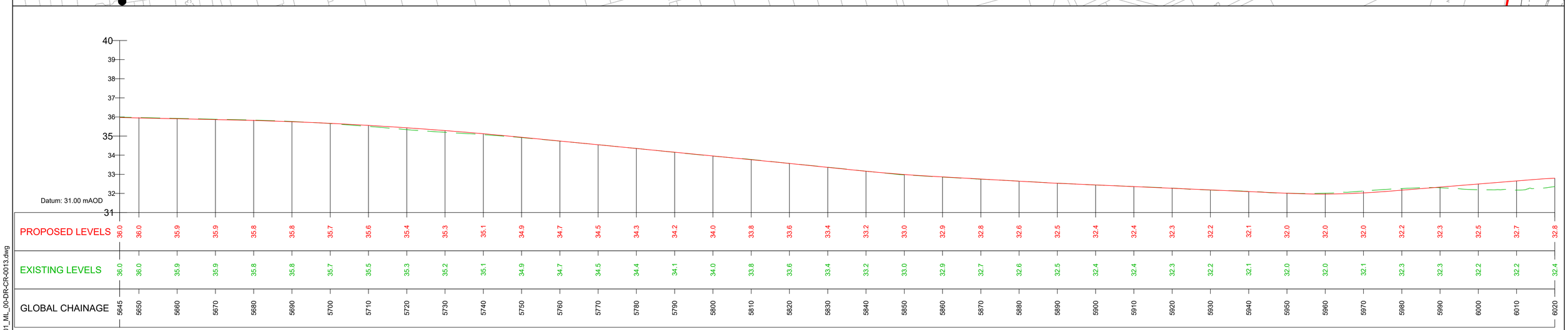

GEO_HV-01_ML_0000_M3_CR-0002-A01 LONGITUDINAL SECTION 13
SCALE: H 1:500,V 1:100.

LEGEND:

- PROPOSED GROUND PROFILE
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Engineering Designer: AECOM / MOTT MACDONALD

Programme Title: **BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS**

Drawing Title: CLONGRIFFIN TO CITY CENTRE CORE BUS CORRIDOR SCHEME MAINLINE PLAN AND PROFILE

Date	Scale	Drawn	Checked	Approved
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BCIDA	ACM		BCIDA-ACM-GEO_HV-0001_ML_00-DR-CR-0013	13 of 21	A	M01

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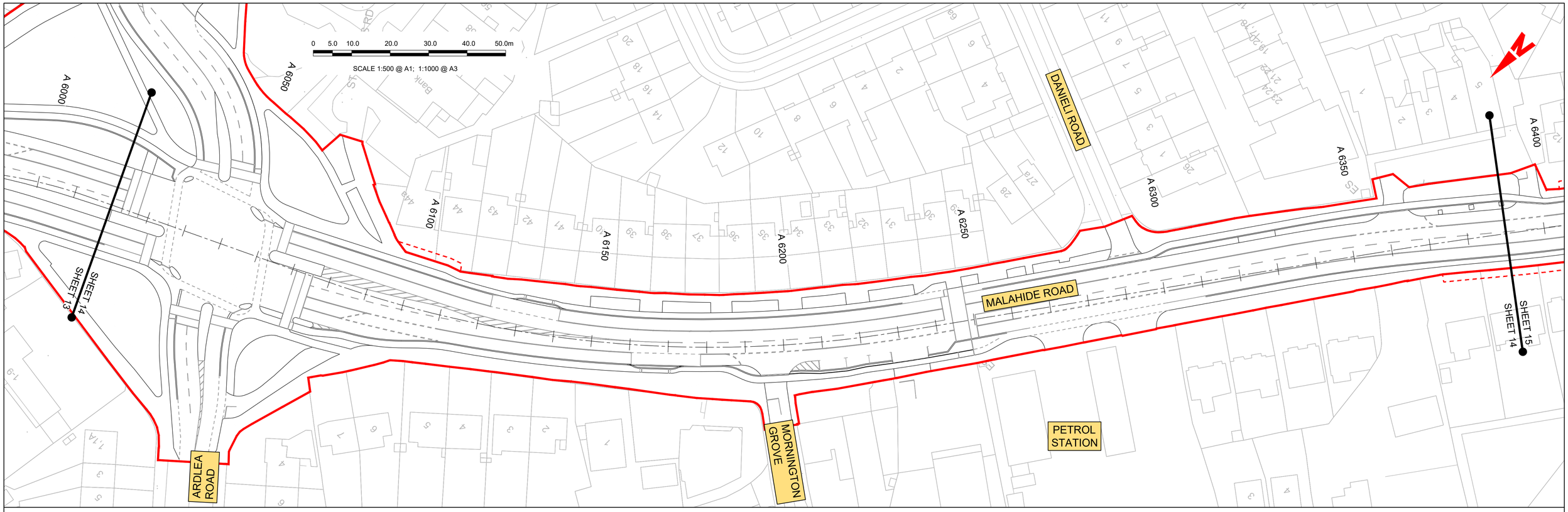

GEO_HV-01_ML_0000_M3_CR-0002-A01 LONGITUDINAL SECTION 14
SCALE: H 1:500,V 1:100.

LEGEND:

- PROPOSED GROUND PROFILE
- EXISTING GROUND PROFILE
- SITE BOUNDARY LINE
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M01	03/12/21	PP	JH	CA	ISSUE FOR PHASE 4: PLANNING

Client: NTA Údarás Náisiúnta Iompair National Transport Authority

Engineering Designer: AECOM / MOTT MACDONALD

Programme Title: **BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS**

Drawing Title: CLONGRIFFIN TO CITY CENTRE CORE BUS CORRIDOR SCHEME MAINLINE PLAN AND PROFILE

Date	Scale	Drawn	Checked	Approved
03/12/21	1:500 @ A1 1:1000 @ A3	P.POCZATKO	J.HAWE	C.ACTON

Project Code	Originator Code	QMS Code	Drawing File Name	Sheet Number	Status	Rev
BCIDA	ACM		BCIDA-ACM-GEO_HV-0001_ML_00-DR-CR-0014	14 of 21	A	M01

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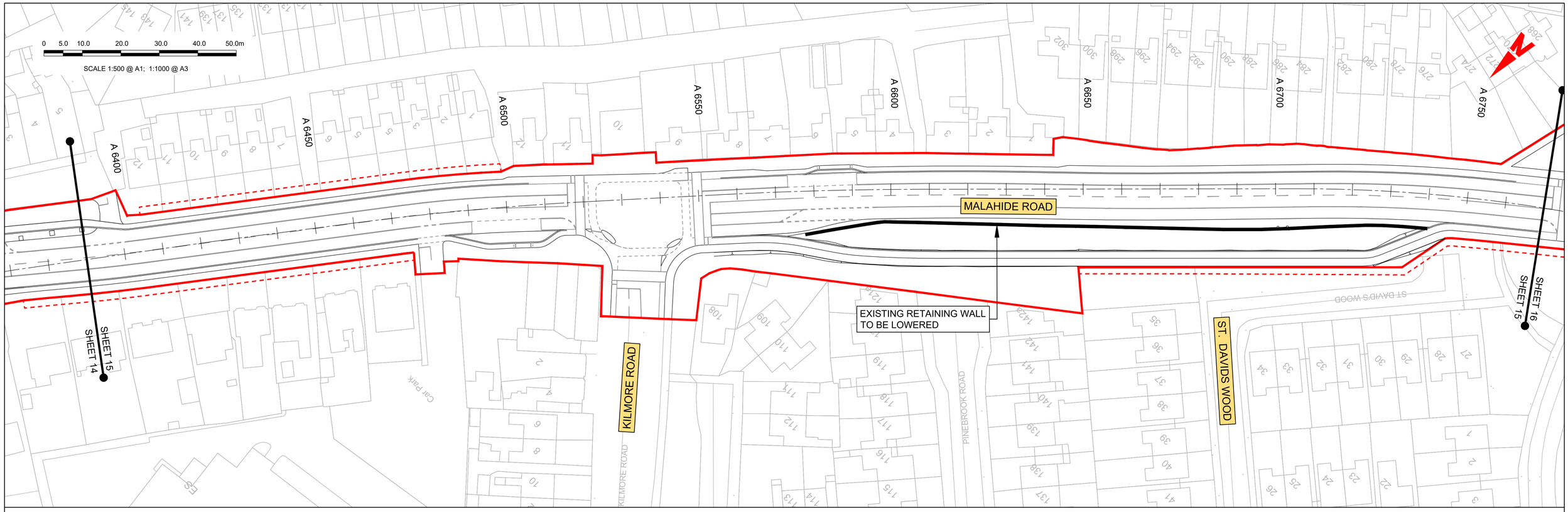

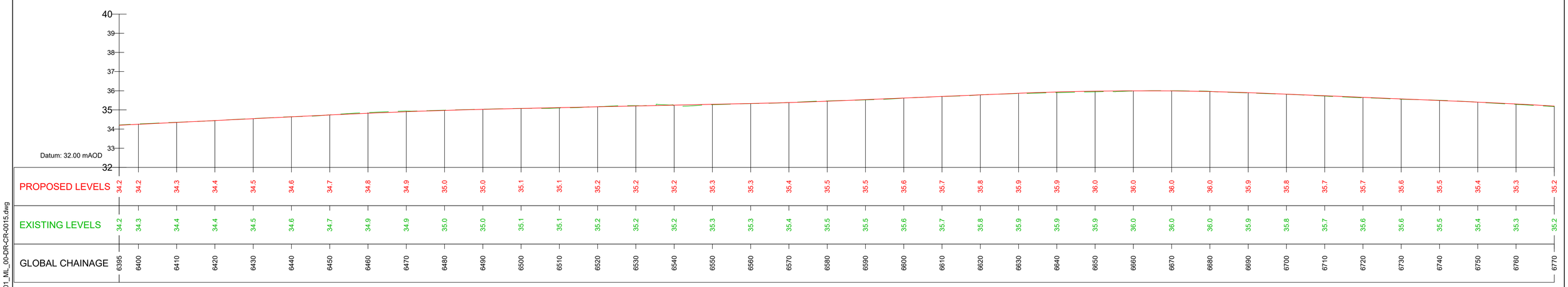

GEO_HV-01_ML_0000_M3_CR-0002-A01 LONGITUDINAL SECTION 15
SCALE: H 1:500,V 1:100.

LEGEND:

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Client: NTA Údarás Náisiúnta Iompair National Transport Authority

Engineering Designer: AECOM / MOTT MACDONALD

Programme Title: **BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS**

Drawing Title: CLONGRIFFIN TO CITY CENTRE CORE BUS CORRIDOR SCHEME MAINLINE PLAN AND PROFILE

Date	Scale	Drawn	Checked	Approved
03/12/21	1:500 @ A1 1:1000 @ A3	P.POCZATKO	J.HAWE	C.ACTON

Project Code	Originator Code	QMS Code	Drawing File Name	Sheet Number	Status	Rev
BCIDA	ACM		BCIDA-ACM-GEO_HV-0001_ML_00-DR-CR-0015	15 of 21	A	M01

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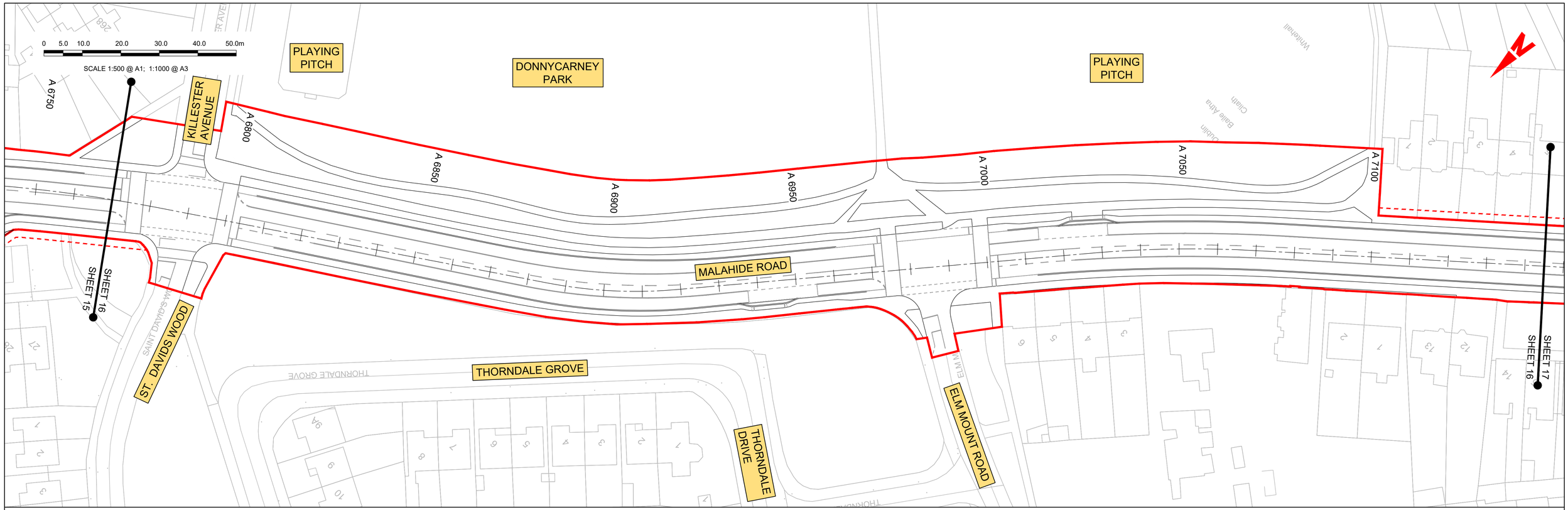

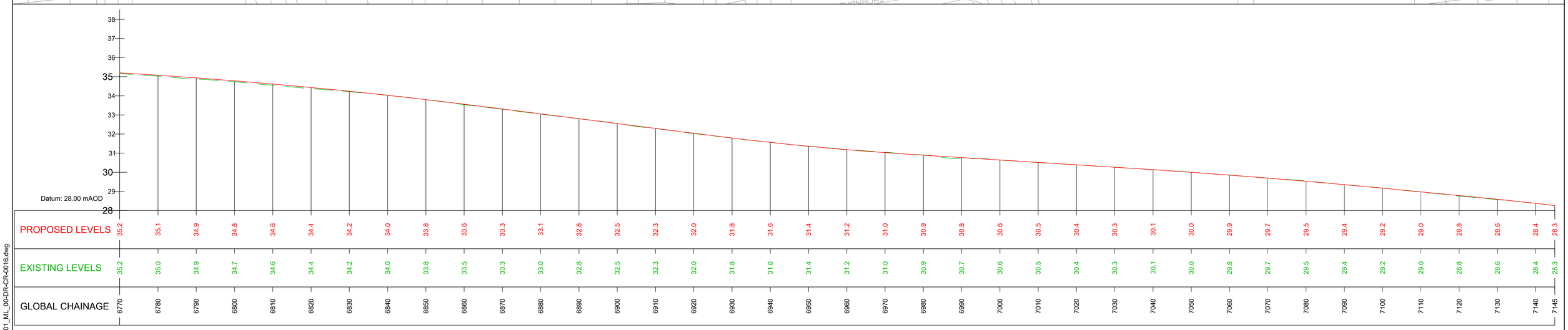

GEO_HV-01_ML_0000_M3_CR-0002-A01 LONGITUDINAL SECTION 16
SCALE: H 1:500,V 1:100.

LEGEND:

- PROPOSED GROUND PROFILE
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Client: NTA Údarás Náisiúnta Iompair National Transport Authority

Engineering Designer: AECOM / MOTT MACDONALD

Programme Title: **BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS**

Drawing Title: CLONGRIFFIN TO CITY CENTRE CORE BUS CORRIDOR SCHEME MAINLINE PLAN AND PROFILE

Date	Scale	Drawn	Checked	Approved
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Project Code	Originator Code	QMS Code	Drawing File Name	Sheet Number	Status	Rev
BCIDA	ACM		BCIDA-ACM-GEO_HV-0001_ML_00-DR-CR-0016	16 of 21	A	M01

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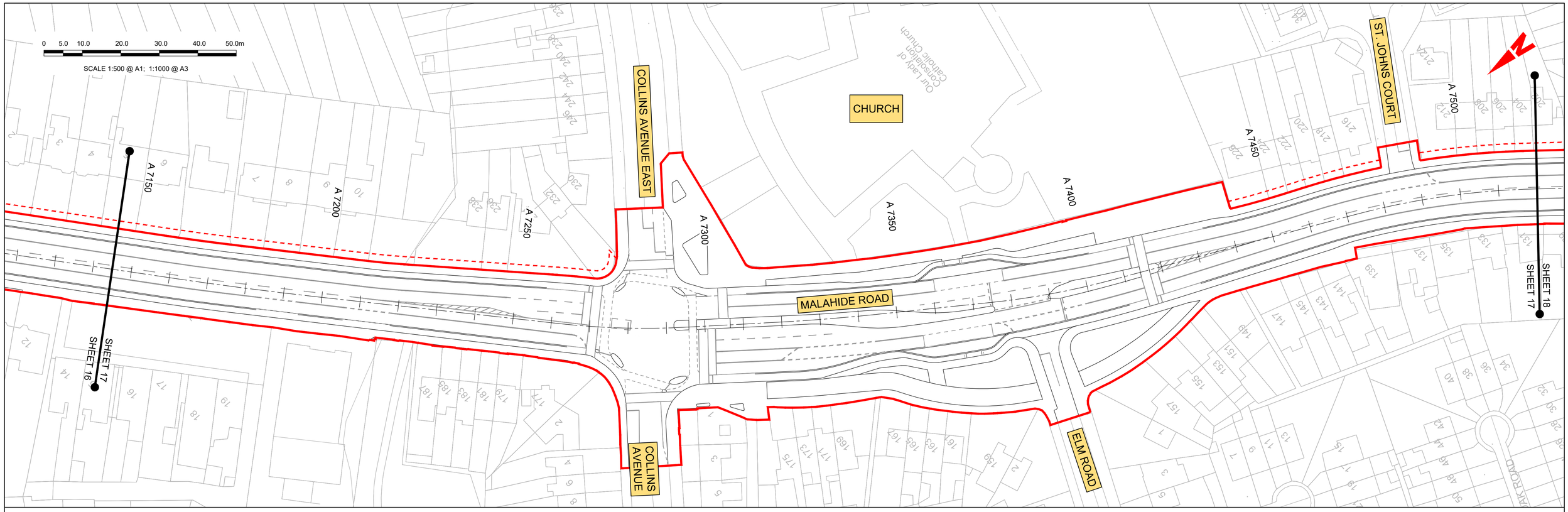

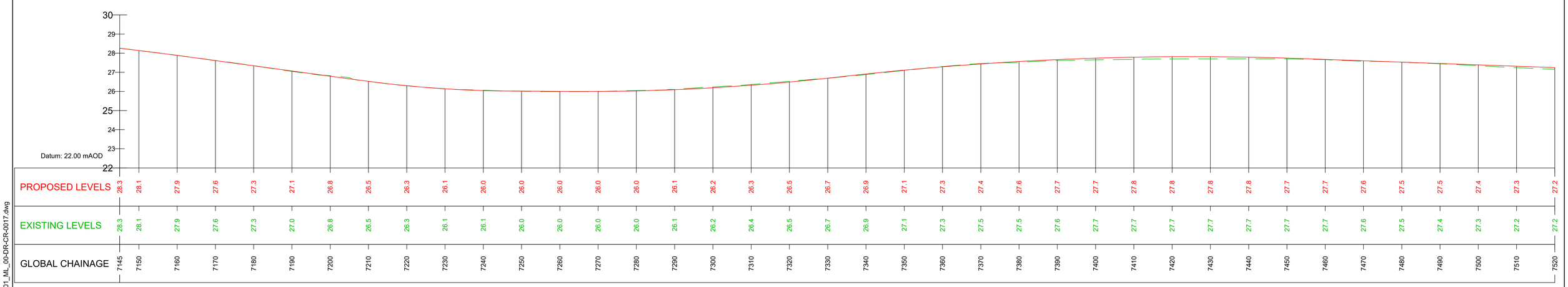

GEO_HV-01_ML_0000_M3_CR-0002-A01 LONGITUDINAL SECTION 17
SCALE: H 1:500,V 1:100.

LEGEND:

- PROPOSED GROUND PROFILE
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Engineering Designer: AECOM / MOTT MACDONALD

Programme Title: **BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS**

Drawing Title: CLONGRIFFIN TO CITY CENTRE CORE BUS CORRIDOR SCHEME MAINLINE PLAN AND PROFILE

Date	Scale	Drawn	Checked	Approved
03/12/21	1:500 @ A1 1:1000 @ A3	P.POCZATKO	J.HAWE	C.ACTON

Project Code	Originator Code	QMS Code	Drawing File Name	Sheet Number	Status	Rev
BCIDA	ACM		BCIDA-ACM-GEO_HV-0001_ML_00-DR-CR-0017	17 of 21	A	M01

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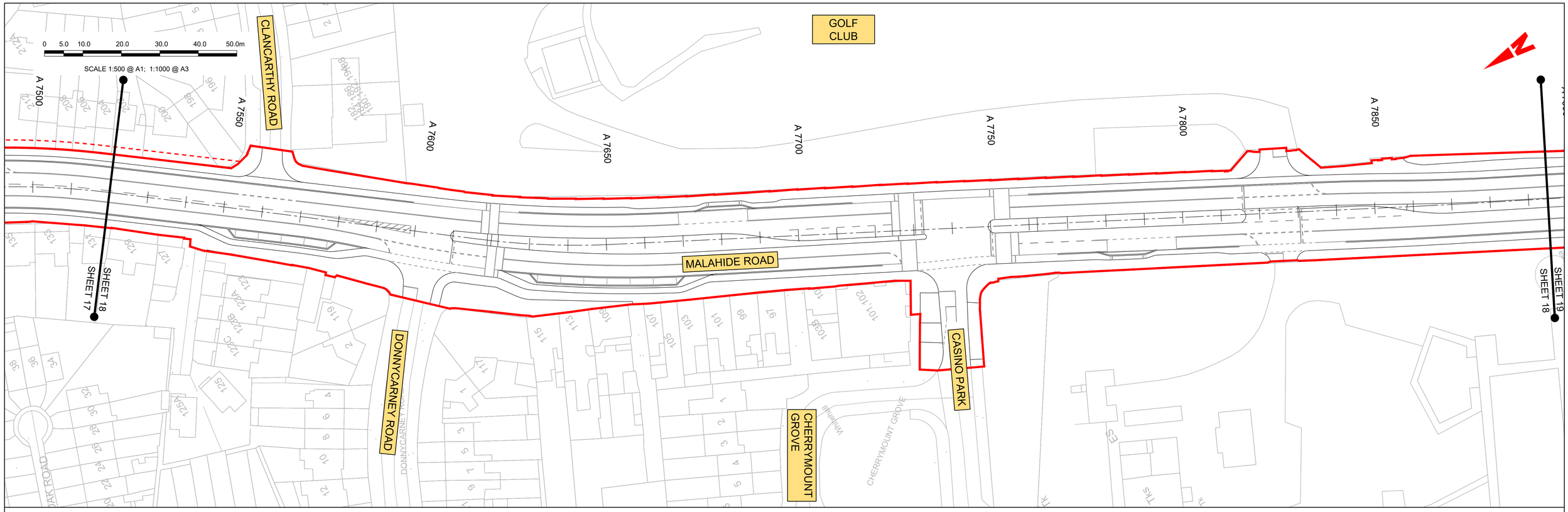

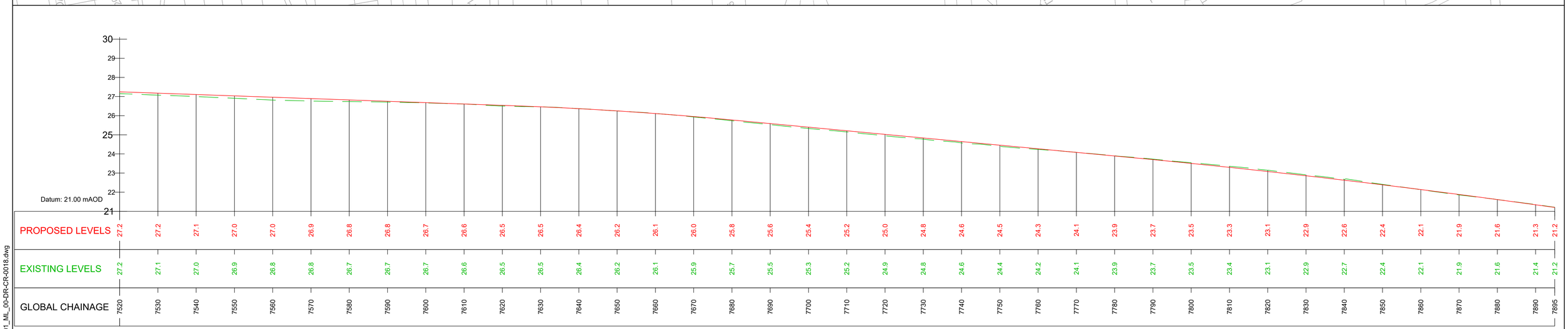

GEO_HV-01_ML_0000_M3_CR-0002-A01 LONGITUDINAL SECTION 18
SCALE: H 1:500,V 1:100.

LEGEND:

- PROPOSED GROUND PROFILE
- EXISTING GROUND PROFILE
- SITE BOUNDARY LINE
- TEMPORARY LAND ACQUISITION

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Project Ireland 2040
Building Ireland's Future

Rev	Date	Drn	Chk'd	App'd	Description
M01	03/12/21	PP	JH	CA	ISSUE FOR PHASE 4: PLANNING

Client: NTA Údarás Náisiúnta Iompair National Transport Authority

Engineering Designer: AECOM / MOTT MACDONALD

Programme Title: **BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS**

Drawing Title: CLONGRIFFIN TO CITY CENTRE CORE BUS CORRIDOR SCHEME MAINLINE PLAN AND PROFILE

Date	Scale	Drawn	Checked	Approved
03/12/21	1:500 @ A1 1:1000 @ A3	P.POCZATKO	J.HAWE	C.ACTON

Project Code	Originator Code	QMS Code	Drawing File Name	Sheet Number	Status	Rev
BCIDA	ACM		BCIDA-ACM-GEO_HV-0001_ML_00-DR-CR-0018	18 of 21	A	M01

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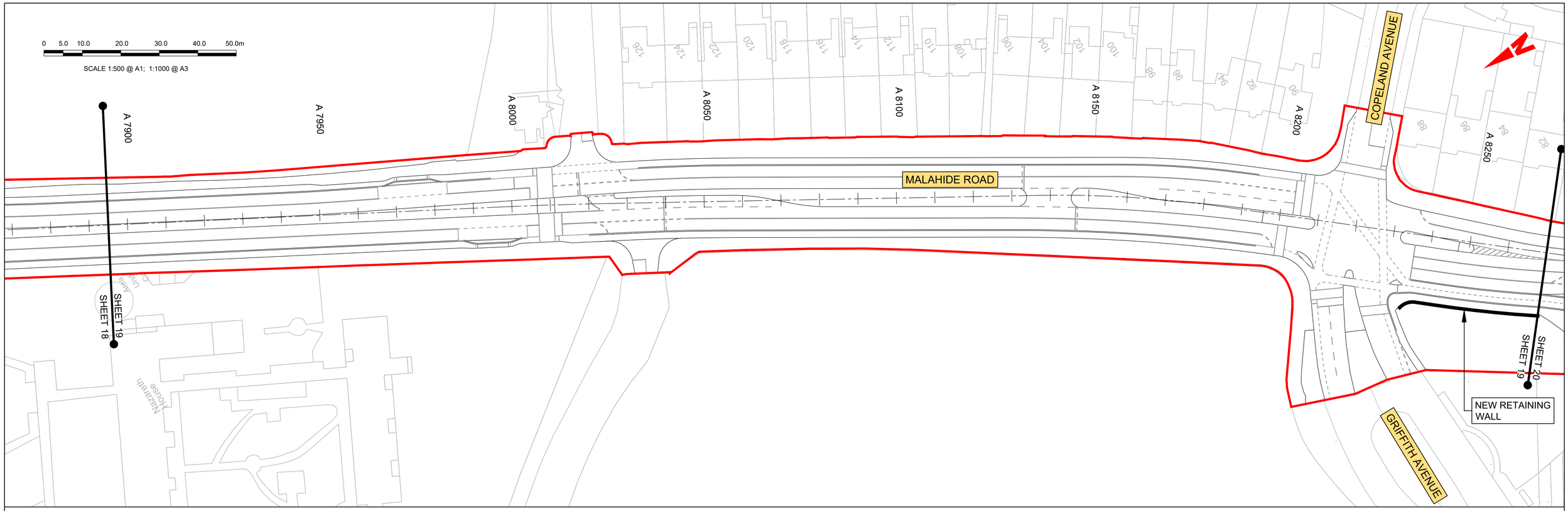

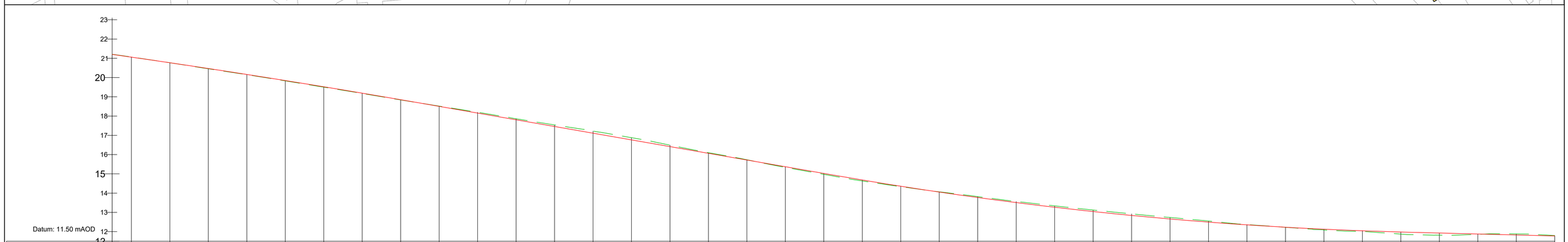

GLOBAL CHAINAGE	PROPOSED LEVELS	EXISTING LEVELS
7895	21.2	21.2
7900	21.1	21.1
7910	20.8	20.8
7920	20.5	20.5
7930	20.2	20.2
7940	19.8	19.8
7950	19.5	19.5
7960	19.2	19.2
7970	18.9	18.8
7980	18.5	18.5
7990	18.2	18.2
8000	17.8	17.9
8010	17.5	17.5
8020	17.1	17.2
8030	16.8	16.9
8040	16.4	16.5
8050	16.1	16.1
8060	15.7	15.7
8070	15.4	15.3
8080	15.0	15.0
8090	14.7	14.6
8100	14.4	14.3
8110	14.1	14.1
8120	13.8	13.8
8130	13.5	13.6
8140	13.3	13.3
8150	13.0	13.1
8160	12.8	12.9
8170	12.7	12.7
8180	12.5	12.6
8190	12.4	12.4
8200	12.2	12.2
8210	12.1	12.1
8220	12.0	12.0
8230	12.0	11.9
8240	11.9	11.8
8250	11.9	11.9
8260	11.8	11.9
8270	11.8	11.8

GEO_HV-01_ML_0000_M3_CR-0002-A01 LONGITUDINAL SECTION 19
SCALE: H 1:500,V 1:100.

LEGEND:

- PROPOSED GROUND PROFILE
- EXISTING GROUND PROFILE
- SITE BOUNDARY LINE
- TEMPORARY LAND ACQUISITION

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Building Ireland's Future

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Client: NTA Údarás Náisiúnta Iompair National Transport Authority

Engineering Designer: AECOM / MOTT MACDONALD

Programme Title: **BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS**

Drawing Title: CLONGRIFFIN TO CITY CENTRE CORE BUS CORRIDOR SCHEME MAINLINE PLAN AND PROFILE

Date	Scale	Drawn	Checked	Approved
03/12/21	1:500 @ A1 1:1000 @ A3	P.POCZATKO	J.HAWE	C.ACTON

Project Code	Originator Code	QMS Code	Drawing File Name	Sheet Number	Status	Rev
BCIDA	ACM		BCIDA-ACM-GEO_HV-0001_ML_00-DR-CR-0019	19 of 21	A	M01

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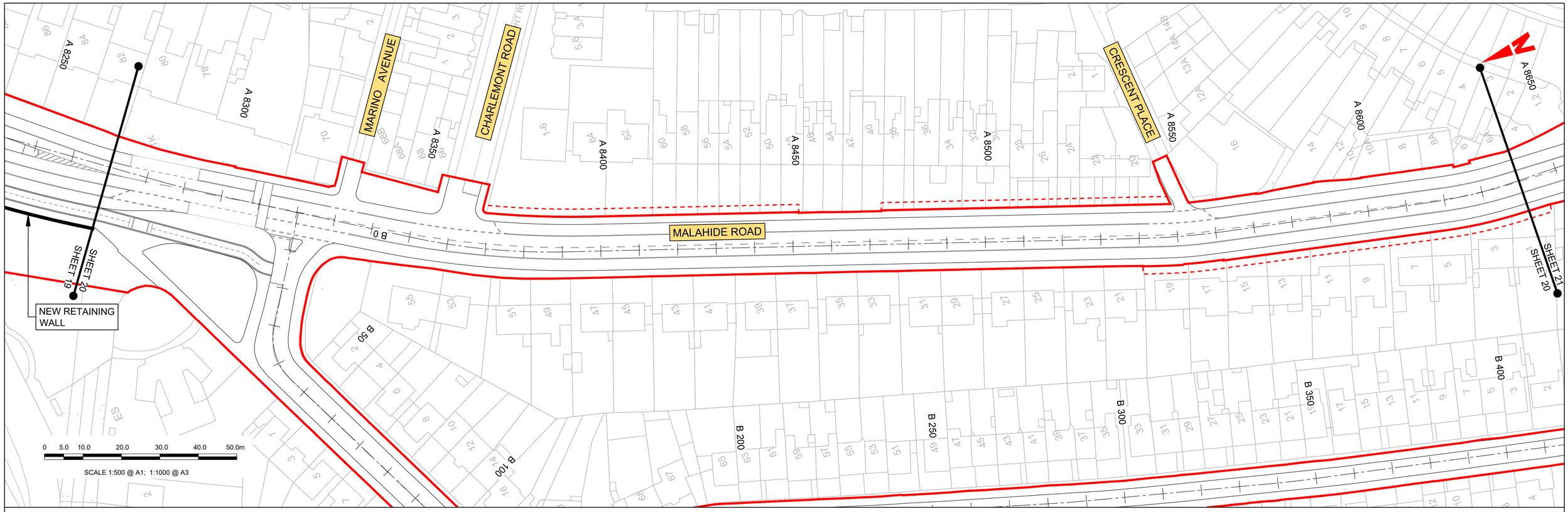

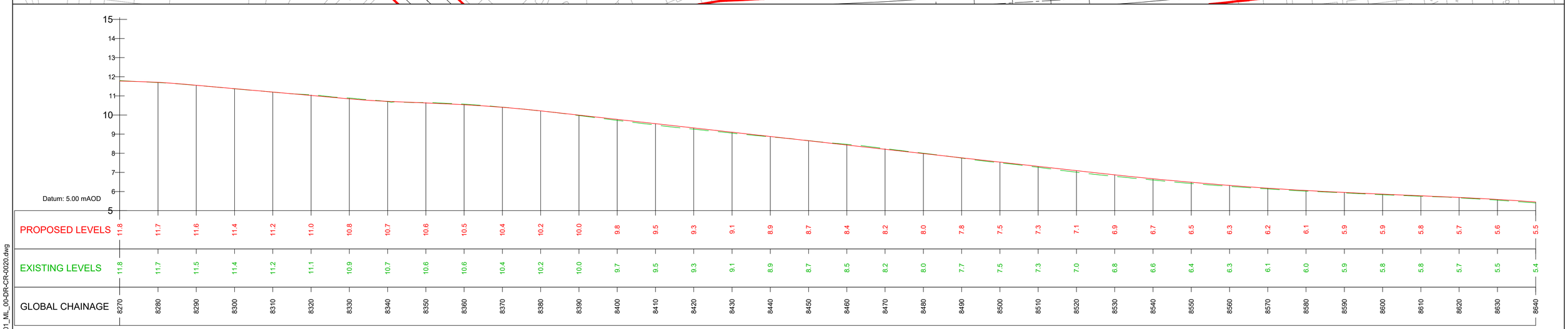

GEO_HV-01_ML_0000_M3_CR-0002-A01 LONGITUDINAL SECTION 20
SCALE: H 1:500,V 1:100.

LEGEND:

- PROPOSED GROUND PROFILE
- EXISTING GROUND PROFILE
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Engineering Designer: AECOM / MOTT MACDONALD

Programme Title: **BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS**

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Date	Scale	Drawn	Checked	Approved
03/12/21	1:500 @ A1 1:1000 @ A3	P.POCZATKO	J.HAWE	C.ACTON

Project Code	Originator Code	QMS Code	Drawing File Name	Sheet Number	Status	Rev
BCIDA	ACM		BCIDA-ACM-GEO_HV-0001_ML_00-DR-CR-0020	20 of 21	A	M01

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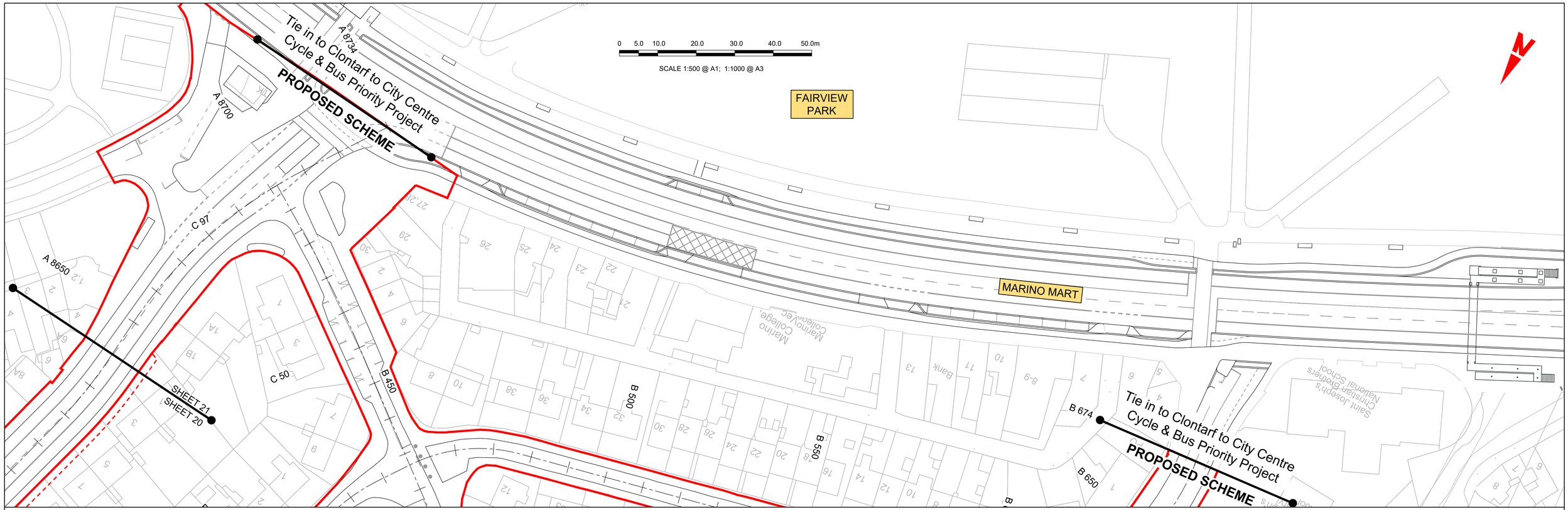

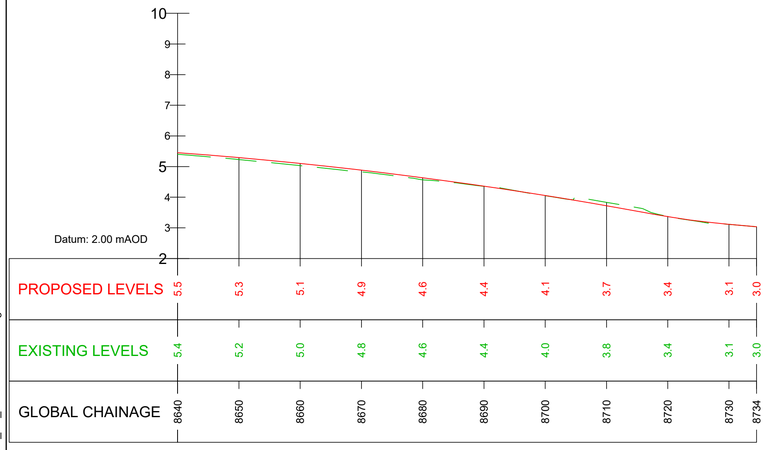

GEO_HV-01_ML_0000_M3_CR-0002-A01 LONGITUDINAL SECTION 21
SCALE: H 1:500,V 1:100.

LEGEND:

- PROPOSED GROUND PROFILE
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BCIDA	ACM		BCIDA-ACM-GEO_HV-0001_ML_00-DR-CR-0021	21 of 21	A	M01

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