Clongriffin to City Centre Core Bus Corridor Scheme

November 2021

Preferred Route Option Report

Appendix A

Preferred Route Drawings

BUS CONNECTS

SUSTAINABLE TRANSPORT FOR A BETTER CITY.

BUSCONNECTS DUBLIN
CORE BUS CORRIDORS INFRASTRUCTURE WORKS

CLONGRIFFIN TO CITY CENTRE CORE BUS CORRIDOR SCHEME

GENERAL ARRANGEMENT

DRAWING SERIES NUMBER(S)	DRAWING SERIES DESCRIPTION
BCIDA-ACM-GEO_IX-0001_XX_00-DR-CR-0001	CLONGRIFFIN TO CITY CENTRE CORE BUS CORRIDOR SCHEME. GENERAL ARRANGEMENT. COVER SHEET
BCIDA-ACM-GEO_KP-0001_XX_00-DR-CR-0001	CLONGRIFFIN TO CITY CENTRE CORE BUS CORRIDOR SCHEME. GENERAL ARRANGEMENT. KEY PLAN
BCIDA-ACM-GEO_GA-0006_XX_00-DR-CR-0006 to 0021	CLONGRIFFIN TO CITY CENTRE CORE BUS CORRIDOR SCHEME. GENERAL ARRANGEMENT

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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 GENERAL ARRANGEMENT COVER SHEET

Date	Scale	Drawn	Checked	Approved
03/12/21	NTS @ A1 NTS @ 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_IX-0001_XX_00-DR-CR-0001	01 of 01	A	M01

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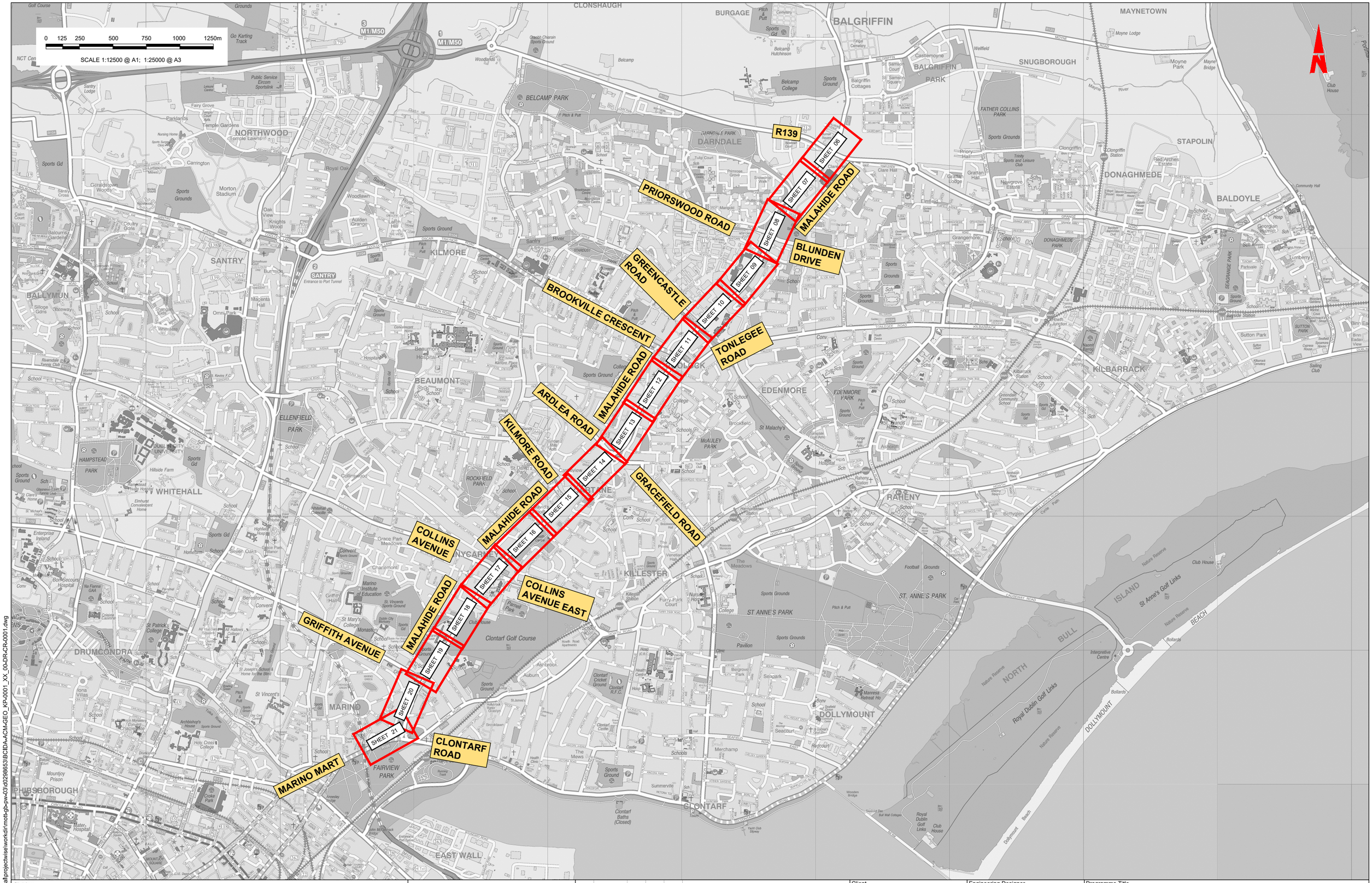

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Engineering Designer: AECOM / MOTT MACDONALD

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

Drawing Title: CLONGRIFFIN TO CITY CENTRE CORE BUS CORRIDOR SCHEME GENERAL ARRANGEMENT KEY PLAN

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

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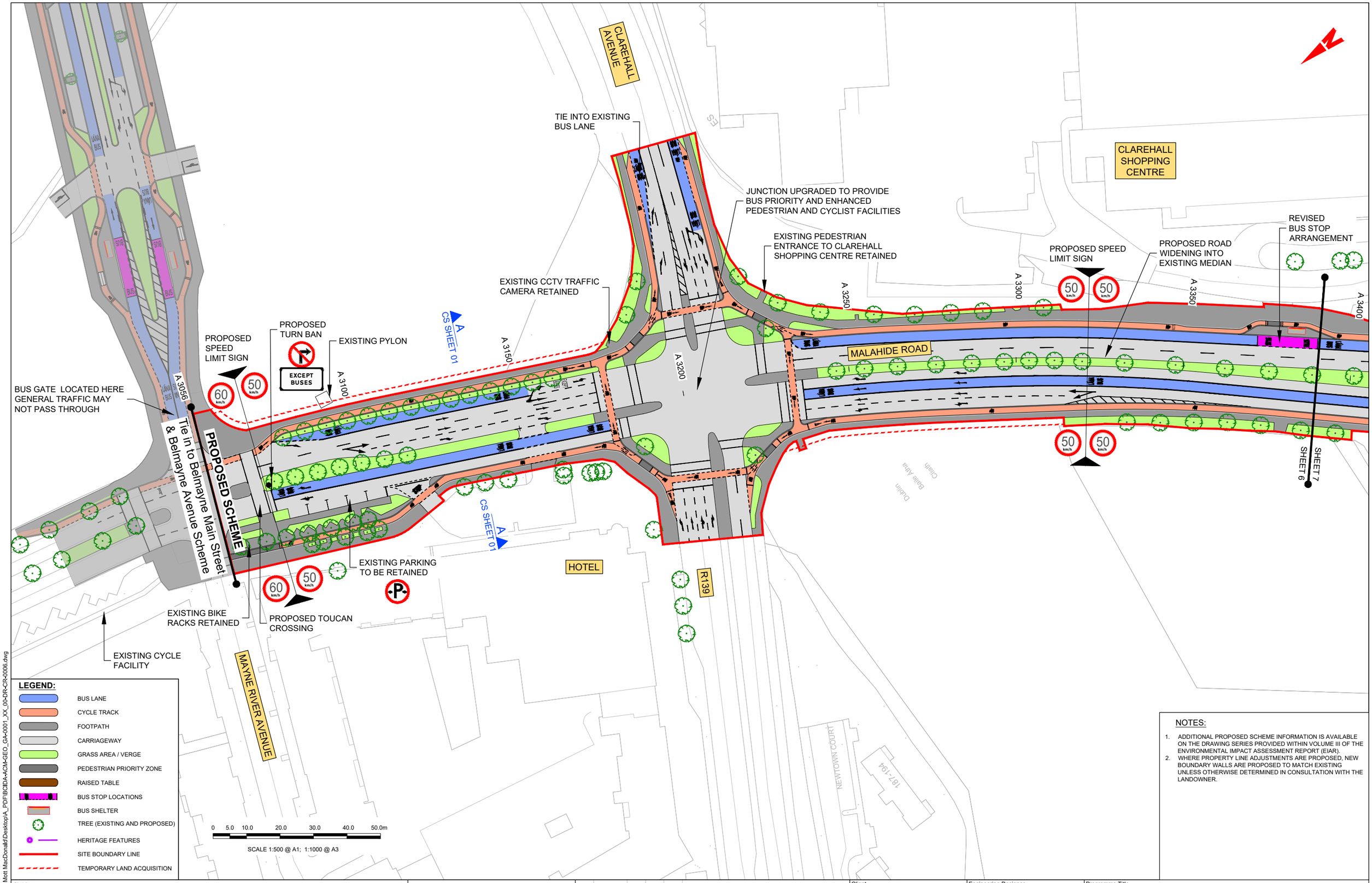

LEGEND:

- BUS LANE
- CYCLE TRACK
- FOOTPATH
- CARRIAGEWAY
- GRASS AREA / VERGE
- PEDESTRIAN PRIORITY ZONE
- RAISED TABLE
- BUS STOP LOCATIONS
- BUS SHELTER
- TREE (EXISTING AND PROPOSED)
- HERITAGE FEATURES
- SITE BOUNDARY LINE
- TEMPORARY LAND ACQUISITION

NOTES:

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LEGEND:

- BUS LANE
- CYCLE TRACK
- FOOTPATH
- CARRIAGEWAY
- GRASS AREA / VERGE
- PEDESTRIAN PRIORITY ZONE
- RAISED TABLE
- BUS STOP LOCATIONS
- BUS SHELTER
- TREE (EXISTING AND PROPOSED)
- HERITAGE FEATURES
- SITE BOUNDARY LINE
- TEMPORARY LAND ACQUISITION

0 5.0 10.0 20.0 30.0 40.0 50.0m

SCALE 1:500 @ A1; 1:1000 @ A3

REVISED BUS STOP ARRANGEMENT

EXISTING LEFT TURN SLIP REMOVED

A 3400

A 3450

A 3500

A 3550

A 3600

A 3650

A 3700

A 3750

MALAHIDE ROAD

GROVE PARK

BUTTERCUP CRESCENT

BELCAMP LANE

SHEET 6

SHEET 7

SHEET 8

CS SHEET 01

EXISTING BUS STOP REMOVED

PROPOSED TOUCAN CROSSING

BUS PRIORITY SIGNAL

PROPOSED BUS STOP

EXISTING HERITAGE MILESTONE TO BE RETAINED

EXISTING TURN BAN RETAINED

PROPOSED ROAD WIDENING INTO EXISTING MEDIAN

REVISED TOUCAN CROSSING ARRANGEMENT WITH DROP KERBS FOR CYCLISTS

EXISTING BUS STOP RETAINED

EXISTING U-TURN FACILITY RETAINED

EXISTING BUS STOP REMOVED

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LEGEND:

- BUS LANE
- CYCLE TRACK
- FOOTPATH
- CARRIAGEWAY
- GRASS AREA / VERGE
- PEDESTRIAN PRIORITY ZONE
- RAISED TABLE
- BUS STOP LOCATIONS
- BUS SHELTER
- TREE (EXISTING AND PROPOSED)
- HERITAGE FEATURES
- SITE BOUNDARY LINE
- TEMPORARY LAND ACQUISITION

0 5.0 10.0 20.0 30.0 40.0 50.0m

SCALE 1:500 @ A1; 1:1000 @ A3

GAA PITCH

BLUNDEN DRIVE

SLADEMORE DRIVE

SLADEMORE COURT

SLADEMORE AVENUE

ROUNDABOUT UPGRADED TO SIGNALISED JUNCTION TO PROVIDE BUS PRIORITY AND ENHANCED PEDESTRIAN/CYCLIST FACILITIES

GROVE PARK

A 3750

EXISTING DENSE PLANTING

PROPOSED ROAD WIDENING INTO MEDIAN

PROPOSED VERGE WIDENING

A 3800

A 3850

A 3900

A 3950

A 4000

A 4050

A 4100

A 4150

PROPOSED BUS STOP

EXISTING BUS STOP REMOVED

EXISTING DENSE PLANTING

CS SHEET 02

MALAHIDE ROAD

D 0

SHEET 7

SHEET 8

SHEET 9

BUTTERCUP CRESCENT

PROPOSED LOW HEIGHT RETAINING WALL

PROPOSED BUS STOP

PROPOSED LOW HEIGHT RETAINING WALL

BUTTERCUP PARK

D 50

PROPOSED LOW HEIGHT RETAINING WALL

EXISTING BUS STOP REMOVED

EXISTING TURN BAN RETAINED

Car Park

NEWTOWN ROAD

TIE INTO EXISTINIG CYCLE FACILITY ON PRIORSWOOD ROAD

D 100

PRIORSWOOD ROAD

SHEET 9 INSET A

PROPOSED BUS TURN AROUND FACILITY AT 250m WEST OF JUNCTION ON PRIORSWOOD ROAD

D 150

D 200

D 250

D 300

ROAD

PRIORSWOOD ROAD

BUTTERCUP PARK

INSET A

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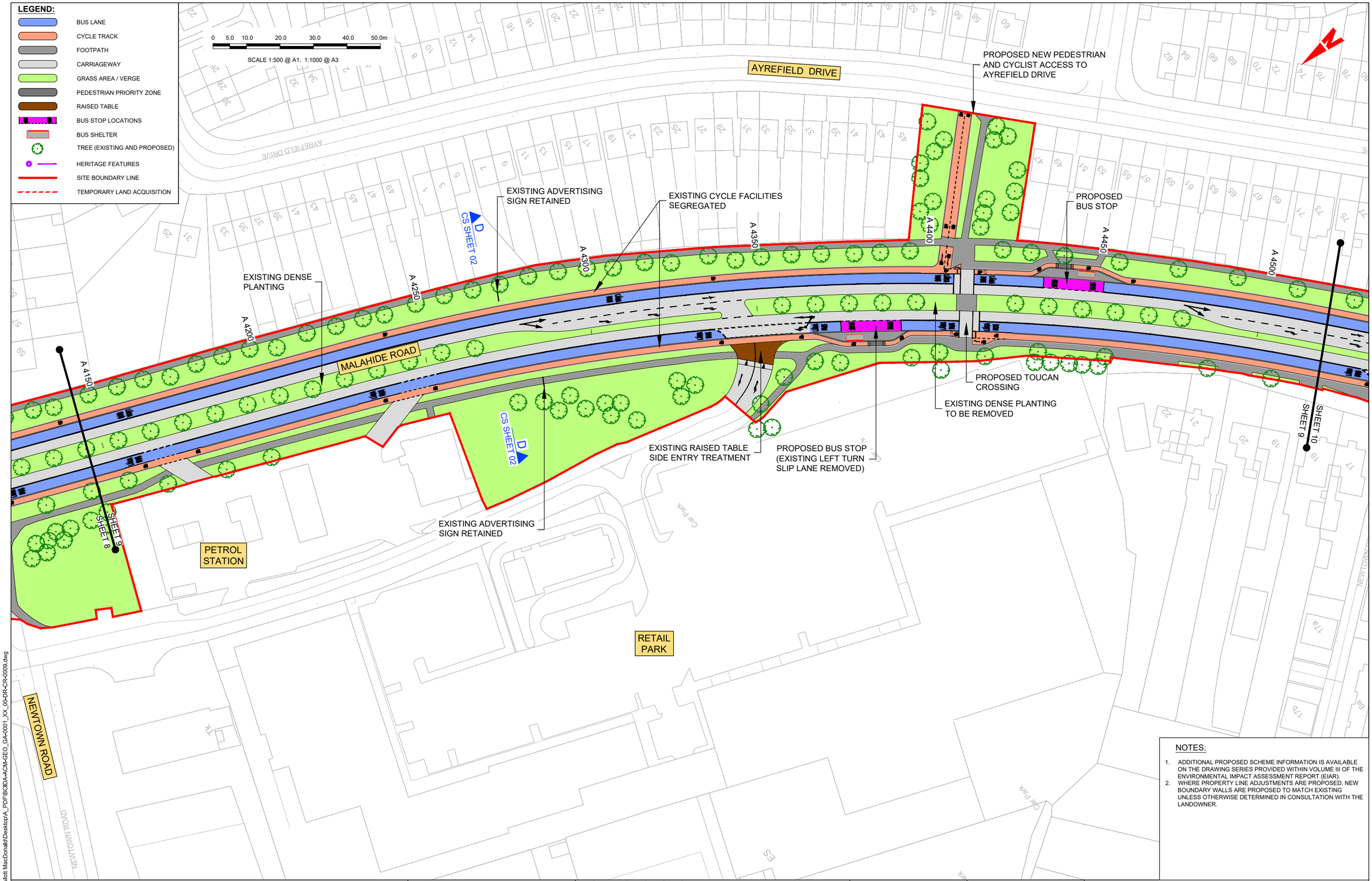

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EXISTING ON ROAD CYCLE LANES UPGRADED TO SEGREGATED CYCLE TRACKS

EXISTING BUS STOP REMOVED

EXISTING EMERGENCY EXIT AND PEDESTRIAN ACCESS/EGRESS RETAINED

EXISTING ADVERTISING SIGN RETAINED

RETAIL PARK

EXISTING MEDIAN TO BE NARROWED TO FACILITATE SEGREGATED CYCLE FACILITIES

EXISTING BARRIER/KISSING GATE MAY BE REMOVED TO FACILITATE ACCESS/EGRESS TO FUTURE SANTRY RIVER GREENWAY

PROPOSED BUS STOP

MALAHIDE ROAD

SANTRY RIVER

NEWTON COTTAGES

EXISTING RAISED TABLE SIDE ENTRY TREATMENT

EXISTING TURN LEFT

PROPOSED RAISED TABLE SIDE ENTRY TREATMENT

EXISTING BUS STOP REMOVED

EXISTING ADVERTISING SIGN RETAINED

PROPOSED BUS STOP

GREENCASTLE ROAD

A 4500 A 4550 A 4600 A 4650 A 4700 A 4750 A 4800 A 4850 A 4900

SHEET 9 SHEET 10 SHEET 10 SHEET 11

CS SHEET 03 CS SHEET 03

Car Park Car Park

Santry River

LEGEND:

- BUS LANE
- CYCLE TRACK
- FOOTPATH
- CARRIAGEWAY
- GRASS AREA / VERGE
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- BUS SHELTER
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- HERITAGE FEATURES
- SITE BOUNDARY LINE
- TEMPORARY LAND ACQUISITION

0 5.0 10.0 20.0 30.0 40.0 50.0m

SCALE 1:500 @ A1; 1:1000 @ A3

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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 GENERAL ARRANGEMENT

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_GA-0001_XX_00-DR-CR-0010	10 of 21	A	M01

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LEGEND:

- BUS LANE
- CYCLE TRACK
- FOOTPATH
- CARRIAGEWAY
- GRASS AREA / VERGE
- PEDESTRIAN PRIORITY ZONE
- RAISED TABLE
- BUS STOP LOCATIONS
- BUS SHELTER
- TREE (EXISTING AND PROPOSED)
- HERITAGE FEATURES
- SITE BOUNDARY LINE
- TEMPORARY LAND ACQUISITION

0 5.0 10.0 20.0 30.0 40.0 50.0m

SCALE 1:500 @ A1; 1:1000 @ A3

SANTRY RIVER

EXISTING BUS STOP REMOVED

CS SHEET 04

A 4900

A 4950

A 5000

A 5050

A 5100

A 5150

A 5200

A 5250

DUNREE PARK

MALAHIDE ROAD

BROOKVILLE PARK

BOTHAR MHULLACH IDE

TONLEGEE ROAD

ST BRENDAN'S AVENUE

BROOKVILLE CRESCENT

ACCOMODATION TO BE MADE FOR FUTURE PROVISION OF CYCLE FACILITIES ON TONLEGEE ROAD AND BROOKVILLE CRESCENT

EXISTING JUNCTION UPGRADED TO PROVIDE BUS PRIORITY AND ENHANCED PEDESTRIAN/CYCLIST FACILITIES

EXISTING BUS STOP RETAINED

EXISTING MEDIAN TO BE REALIGNED

EXISTING PARKING TO BE REMOVED

EXISTING CCTV TRAFFIC CAMERA TO BE RELOCATED

REVISED PARKING ARRANGEMENT

PROPOSED BUS STOP

EXISTING BUS LAYOVER/PARKING AREA TO BE REMOVED

EXISTING CUL-DE-SAC AREA TO BE LANDSCAPED

EXISTING BUS LAYOVER/PARKING AREA TO BE REMOVED

EXISTING BUS STOP REMOVED

ACCOMODATION TO BE MADE FOR FUTURE PROVISION OF CYCLE FACILITIES ON TONLEGEE ROAD AND BROOKVILLE CRESCENT

SHEET 10

SHEET 11

SHEET 12

Santry River

Car Park

OSCAR TRAYNOR ROAD

BEECHPARK COURT

NOTES:

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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 GENERAL ARRANGEMENT

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_GA-0001_XX_00-DR-CR-0011	11 of 21	A	M01

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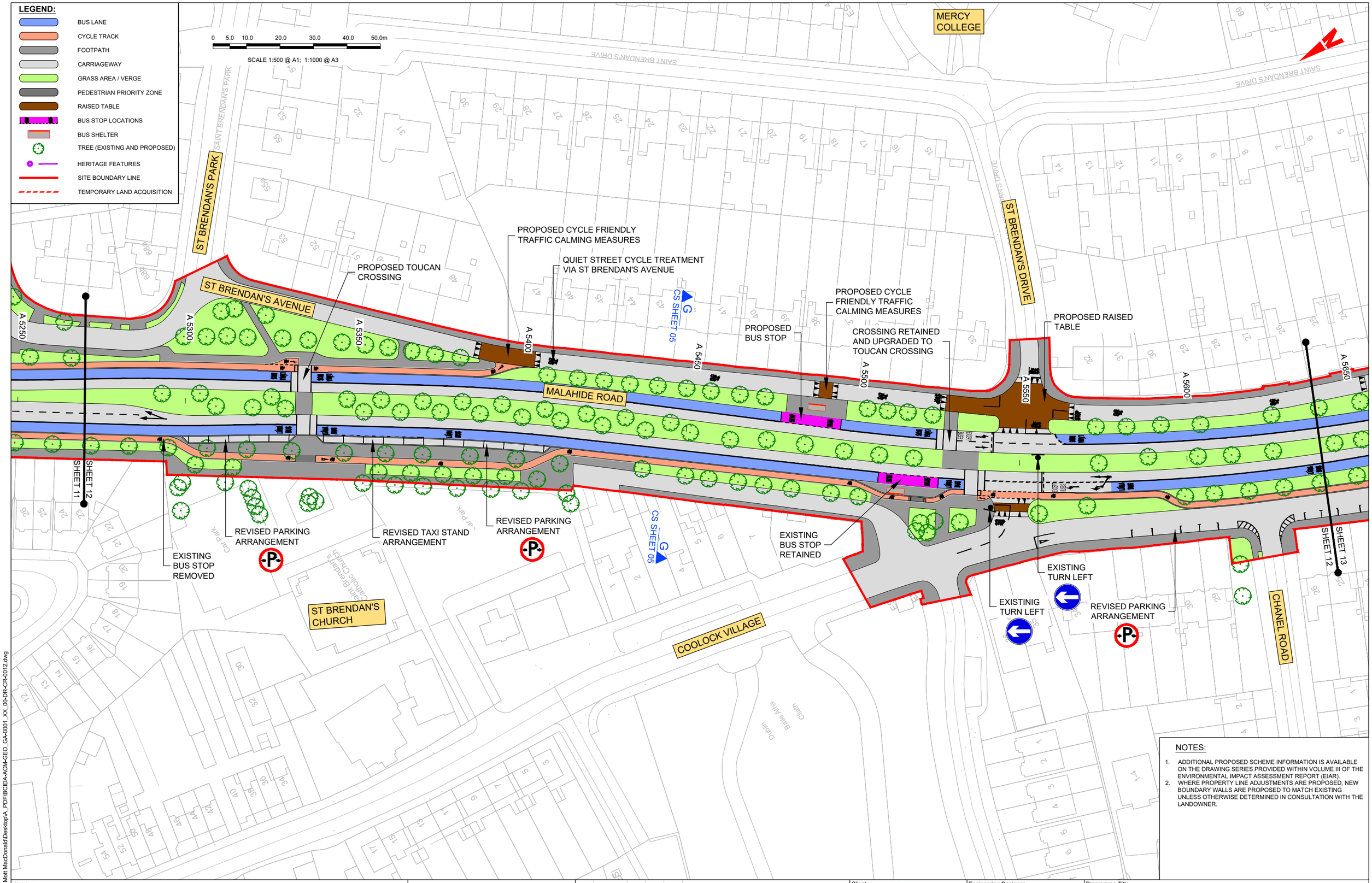

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Client: NTA Údarás Náisiúnta Iompair National Transport Authority

Engineering Designer: AECOM / MOTT MACDONALD

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

Drawing Title: CLONGRIFFIN TO CITY CENTRE CORE BUS CORRIDOR SCHEME GENERAL ARRANGEMENT

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_GA-0001_XX_00-DR-CR-0012	12 of 21	A	M01

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LEGEND:

- BUS LANE
- CYCLE TRACK
- FOOTPATH
- CARRIAGEWAY
- GRASS AREA / VERGE
- PEDESTRIAN PRIORITY ZONE
- RAISED TABLE
- BUS STOP LOCATIONS
- BUS SHELTER
- TREE (EXISTING AND PROPOSED)
- HERITAGE FEATURES
- SITE BOUNDARY LINE
- TEMPORARY LAND ACQUISITION

0 5.0 10.0 20.0 30.0 40.0 50.0m

SCALE 1:500 @ A1; 1:1000 @ A3

MASK GREEN

MASK AVENUE

ST BRENDAN'S AVENUE

MALAHIDE ROAD

BROOKVILLE PARK

MASK ROAD

GRACEFIELD ROAD

MOUNT DILLON COURT

CHANEL ROAD

ARDLEA ROAD

ARDEEG PARK

ARDEEG ROAD

A 5550 A 5600 A 5650 A 5700 A 5750 A 5800 A 5850 A 5900 A 5950

CS SHEET 06

SHEET 12

SHEET 13

SHEET 14

EXISTING BUS STOP REMOVED

EXISTING TURN BAN RETAINED

PROPOSED CYCLE FRIENDLY TRAFFIC CALMING MEASURES

PROPOSED TOUCAN CROSSING

EXISTING BUS STOP RETAINED

QUIET STREET CYCLE TREATMENT VIA ST BRENDAN'S AVENUE

PROPOSED RIGHT TURN LANE

CYCLE LANE TO TRANSITION TO EXISTING CARRIAGEWAY ON GRACEFIELD ROAD

EXISTING TURN BAN RETAINED

EXISTING BUS STOP RETAINED

REVISED PARKING ARRANGEMENT

NOTES:

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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 GENERAL ARRANGEMENT

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_GA-0001_XX_00-DR-CR-0013	13 of 21	A	M01

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GRACEFIELD ROAD

SAINT BRIGID'S ROAD

DANIEL DRIVE

DANIELI ROAD

SAINT BRIGID'S CLOSE

ROUNDABOUT UPGRADED TO SIGNALISED JUNCTION TO PROVIDE BUS PRIORITY AND ENHANCED PEDESTRIAN/CYCLIST FACILITIES

PROPOSED BOUNDARY TREATMENT TO MATCH EXISTING

EXISTING BUS STOP RETAINED

EXISTING PARKING TO BE REMOVED

PROPOSED TOUCAN CROSSING

EXISTING TURN BAN RETAINED

EXISTING BUS STOP REMOVED

A 6000 A 6050 A 6100 A 6150 A 6200 A 6250 A 6300 A 6350 A 6400

SHEET 13 SHEET 14 SHEET 15

CS SHEET 07

MALAHIDE ROAD

EXISTING BUS STOP RETAINED

REVISED PARKING ARRANGEMENT

MORNINGTON GROVE

PETROL STATION

ARDLEA ROAD

CYCLE LANE TO TRANSITION TO EXISTING CARRIAGEWAY ON ARDLEA ROAD

LEGEND:

- BUS LANE
- CYCLE TRACK
- FOOTPATH
- CARRIAGEWAY
- GRASS AREA / VERGE
- PEDESTRIAN PRIORITY ZONE
- RAISED TABLE
- BUS STOP LOCATIONS
- BUS SHELTER
- TREE (EXISTING AND PROPOSED)
- HERITAGE FEATURES
- SITE BOUNDARY LINE
- TEMPORARY LAND ACQUISITION

0 5.0 10.0 20.0 30.0 40.0 50.0m

SCALE 1:500 @ A1; 1:1000 @ A3

NOTES:

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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 GENERAL ARRANGEMENT

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

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BCIDA	ACM		BCIDA-ACM-GEO_GA-0001_XX_00-DR-CR-0014	14 of 21	A	M01

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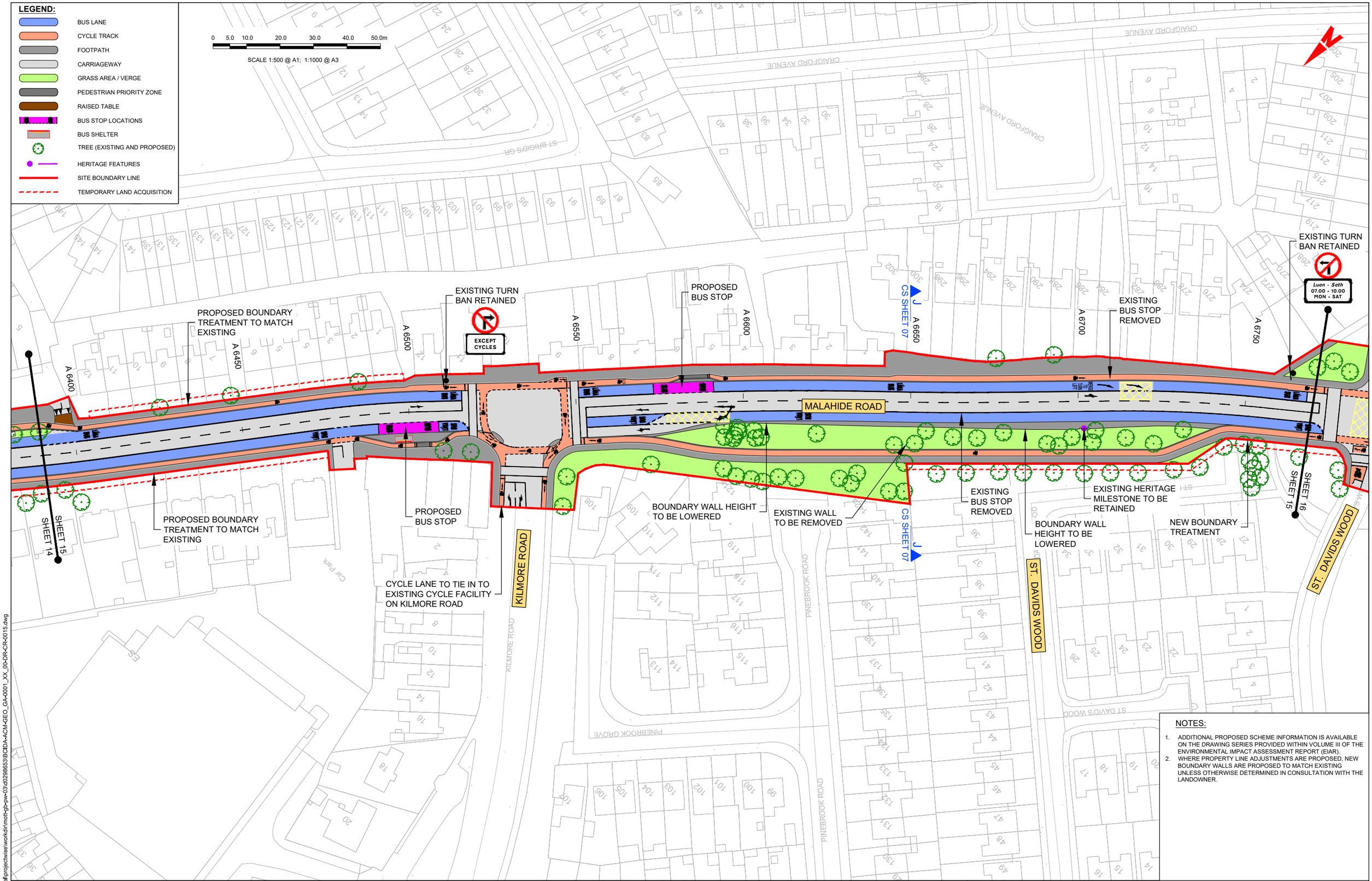
LEGEND:

- BUS LANE
- CYCLE TRACK
- FOOTPATH
- CARRIAGEWAY
- GRASS AREA / VERGE
- PEDESTRIAN PRIORITY ZONE
- RAISED TABLE
- BUS STOP LOCATIONS
- BUS SHELTER
- TREE (EXISTING AND PROPOSED)
- HERITAGE FEATURES
- SITE BOUNDARY LINE
- TEMPORARY LAND ACQUISITION

0 5.0 10.0 20.0 30.0 40.0 50.0m

SCALE 1:500 @ A1; 1:1000 @ A3



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LEGEND:

- BUS LANE
- CYCLE TRACK
- FOOTPATH
- CARRIAGEWAY
- GRASS AREA / VERGE
- PEDESTRIAN PRIORITY ZONE
- RAISED TABLE
- BUS STOP LOCATIONS
- BUS SHELTER
- TREE (EXISTING AND PROPOSED)
- HERITAGE FEATURES
- SITE BOUNDARY LINE
- TEMPORARY LAND ACQUISITION

0 5.0 10.0 20.0 30.0 40.0 50.0m

SCALE 1:500 @ A1; 1:1000 @ A3

EXISTING TURN BAN RETAINED

Luan - Sath
07.00 - 10.00
MON - SAT

KILLESTER AVENUE

PLAYING PITCH

MAYPARK (DONNYCARNEY PARK)

PLAYING PITCH

CS SHEET 08

A 6800

A 6850

A 6900

A 6950

A 7000

A 7050

A 7100

A 7150

NEW STUB WALL AND RAILING TO BE PROVIDED BETWEEN FOOTPATH AND PARK. DETAILS TO DEVELOPED IN CONSULTATION WITH DCC PARKS DEPARTMENT

EXISTING BUS STOP RETAINED

PROPOSED BOUNDARY TREATMENT TO MATCH EXISTING

MALAHIDE ROAD

SHEET 16
SHEET 15

SHEET 17
SHEET 16

ST. DAVIDS WOOD

PROPOSED TOUCAN CROSSINGS WITH DROP KERB ARRANGEMENT

THORNDALE GROVE

CS SHEET 08

EXISTING BUS STOP RETAINED

PROPOSED TOUCAN CROSSING WITH DROP KERB ARRANGEMENT

PROPOSED TOUCAN CROSSING WITH JUG TURN AND DROP KERB (OUTBOUND) ARRANGEMENT

ELM MOUNT ROAD

THORNDALE DRIVE

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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 GENERAL ARRANGEMENT

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_GA-0001_XX_00-DR-CR-0016	16 of 21	A	M01

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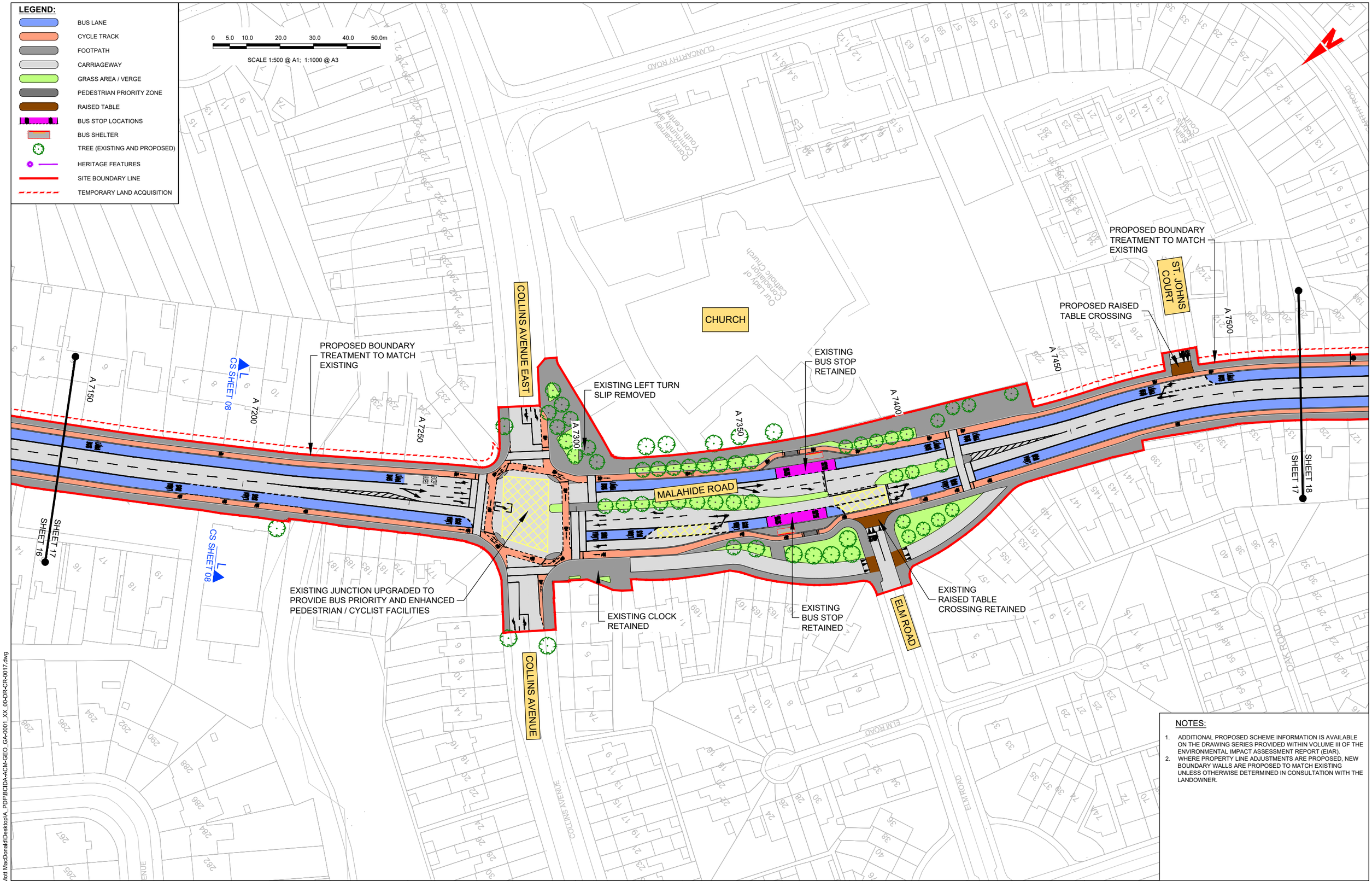
LEGEND:

- BUS LANE
- CYCLE TRACK
- FOOTPATH
- CARRIAGEWAY
- GRASS AREA / VERGE
- PEDESTRIAN PRIORITY ZONE
- RAISED TABLE
- BUS STOP LOCATIONS
- BUS SHELTER
- TREE (EXISTING AND PROPOSED)
- HERITAGE FEATURES
- SITE BOUNDARY LINE
- TEMPORARY LAND ACQUISITION

0 5.0 10.0 20.0 30.0 40.0 50.0m

SCALE 1:500 @ A1; 1:1000 @ A3



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BCIDA	ACM		BCIDA-ACM-GEO_GA-0001_XX_00-DR-CR-0017	17 of 21	A	M01

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0 5.0 10.0 20.0 30.0 40.0 50.0m

SCALE 1:500 @ A1; 1:1000 @ A3

GOLF CLUB

CLANCARTHY ROAD

EXISTING TURN BAN RETAINED

PROPOSED RAISED TABLE

A 7550

A 7600

A 7650

A 7700

EXISTING BUS STOP RETAINED

PROPOSED TOUCAN CROSSINGS WITH DROP KERB ARRANGEMENT

A 7750

A 7800

A 7850

A 7900

EXISTING KERBS RETAINED

CS SHEET 09

MALAHIDE ROAD

SHEET 17

SHEET 18

SHEET 19

REVISED PARKING ARRANGEMENT

EXISTING BUS STOP REMOVED

DONNYCARNEY ROAD

EXISTING TURN BAN RETAINED

REVISED PARKING ARRANGEMENT

PROPOSED RAISED TABLE

PROPOSED BUS STOP

CASINO PARK

CHERRYMOUNT GROVE

OAK ROAD

NO ENTRY

NOTES:

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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 GENERAL ARRANGEMENT

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_GA-0001_XX_00-DR-CR-0018	18 of 21	A	M01

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LEGEND:

- BUS LANE
- CYCLE TRACK
- FOOTPATH
- CARRIAGEWAY
- GRASS AREA / VERGE
- PEDESTRIAN PRIORITY ZONE
- RAISED TABLE
- BUS STOP LOCATIONS
- BUS SHELTER
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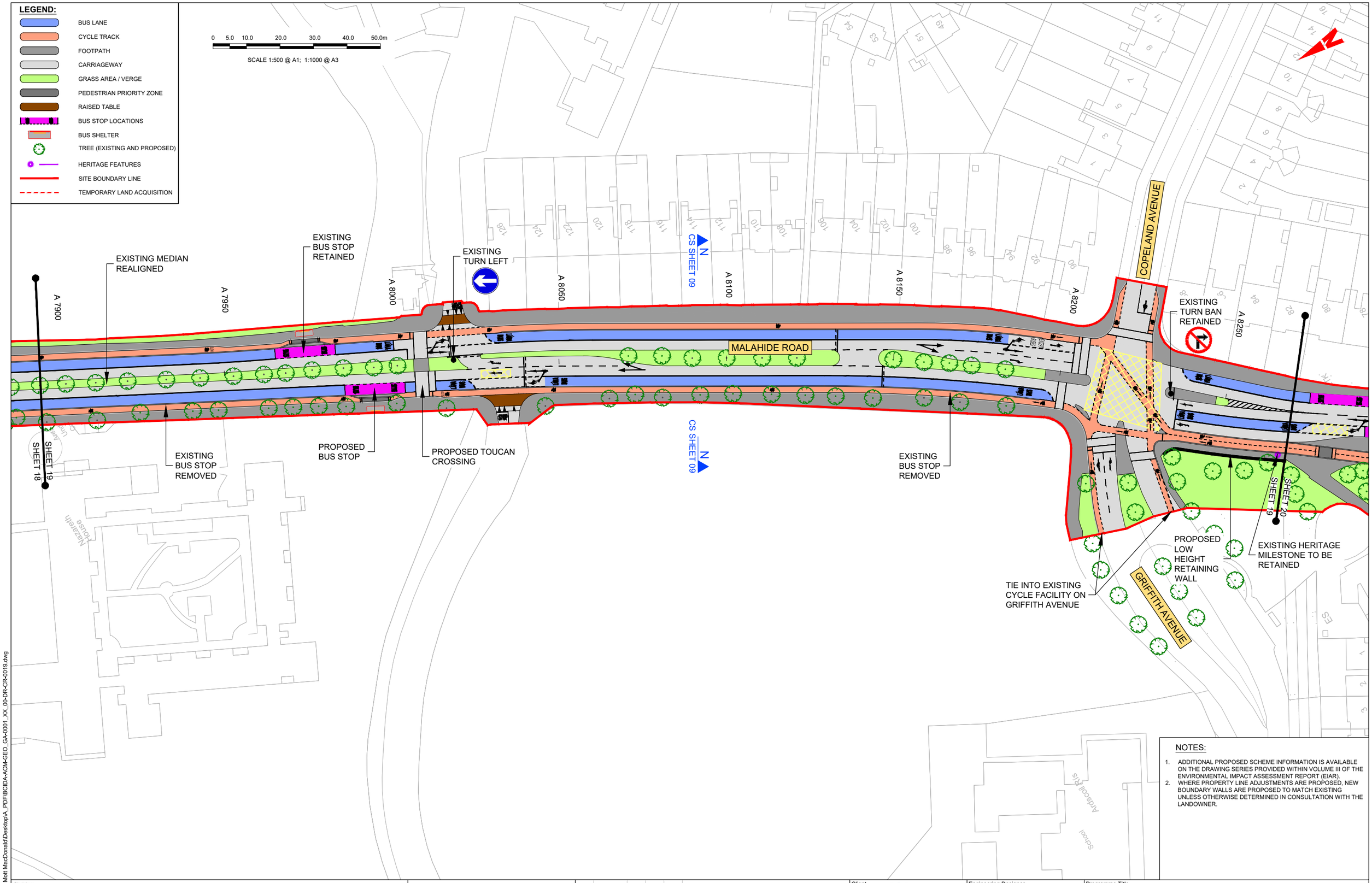
- SITE BOUNDARY LINE
- TEMPORARY LAND ACQUISITION

0 5.0 10.0 20.0 30.0 40.0 50.0m

SCALE 1:500 @ A1; 1:1000 @ A3



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BCIDA	ACM		BCIDA-ACM-GEO_GA-0001_XX_00-DR-CR-0019	19 of 21	A	M01

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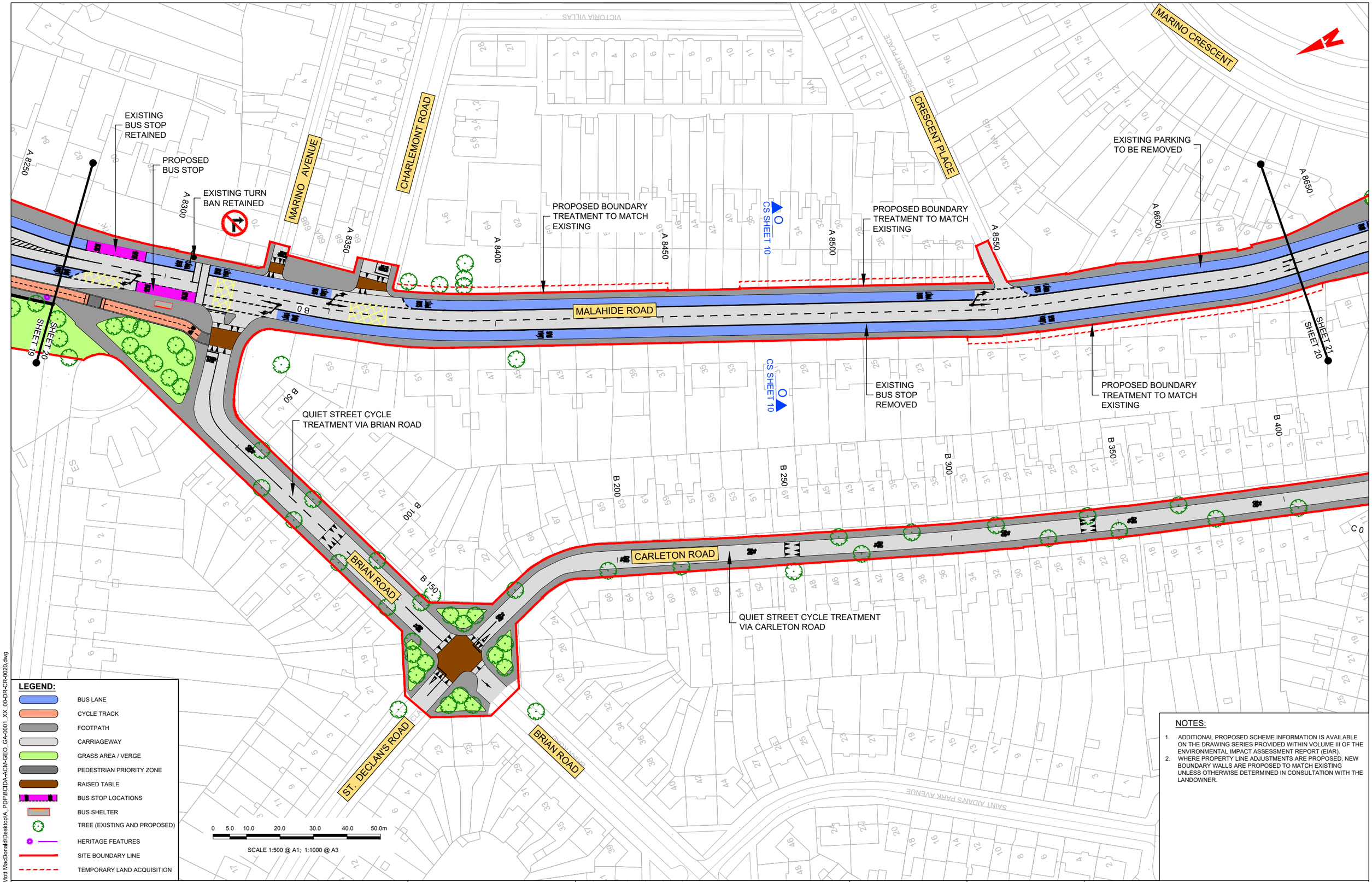

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BCIDA	ACM		BCIDA-ACM-GEO_GA-0001_XX_00-DR-CR-0020	20 of 21	A	M01

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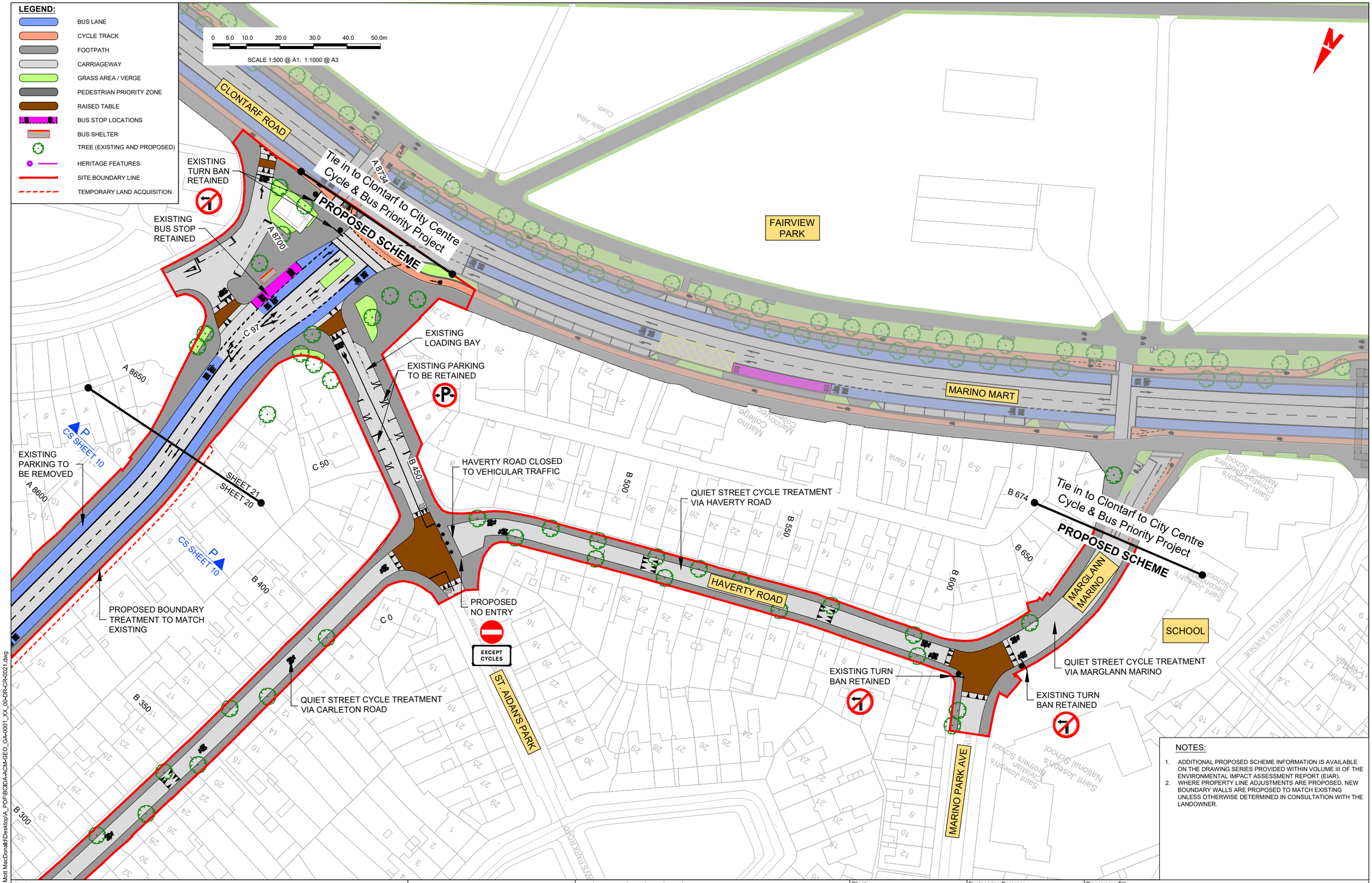

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BCIDA	ACM		BCIDA-ACM-GEO_GA-0001_XX_00-DR-CR-0021	21 of 21	A	M01

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Harcourt Lane
Dublin 2
D02 WT20

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