

Wylfa Newydd Project

2.11 Park and Ride - Dalar Hir Plans Logistics Centre - Parc Cybi Plans

PINS Reference Number: EN010007

Application Reference Number: 2.11

4 December 2018

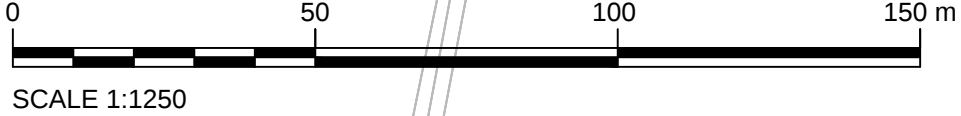
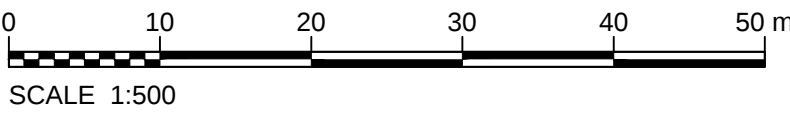
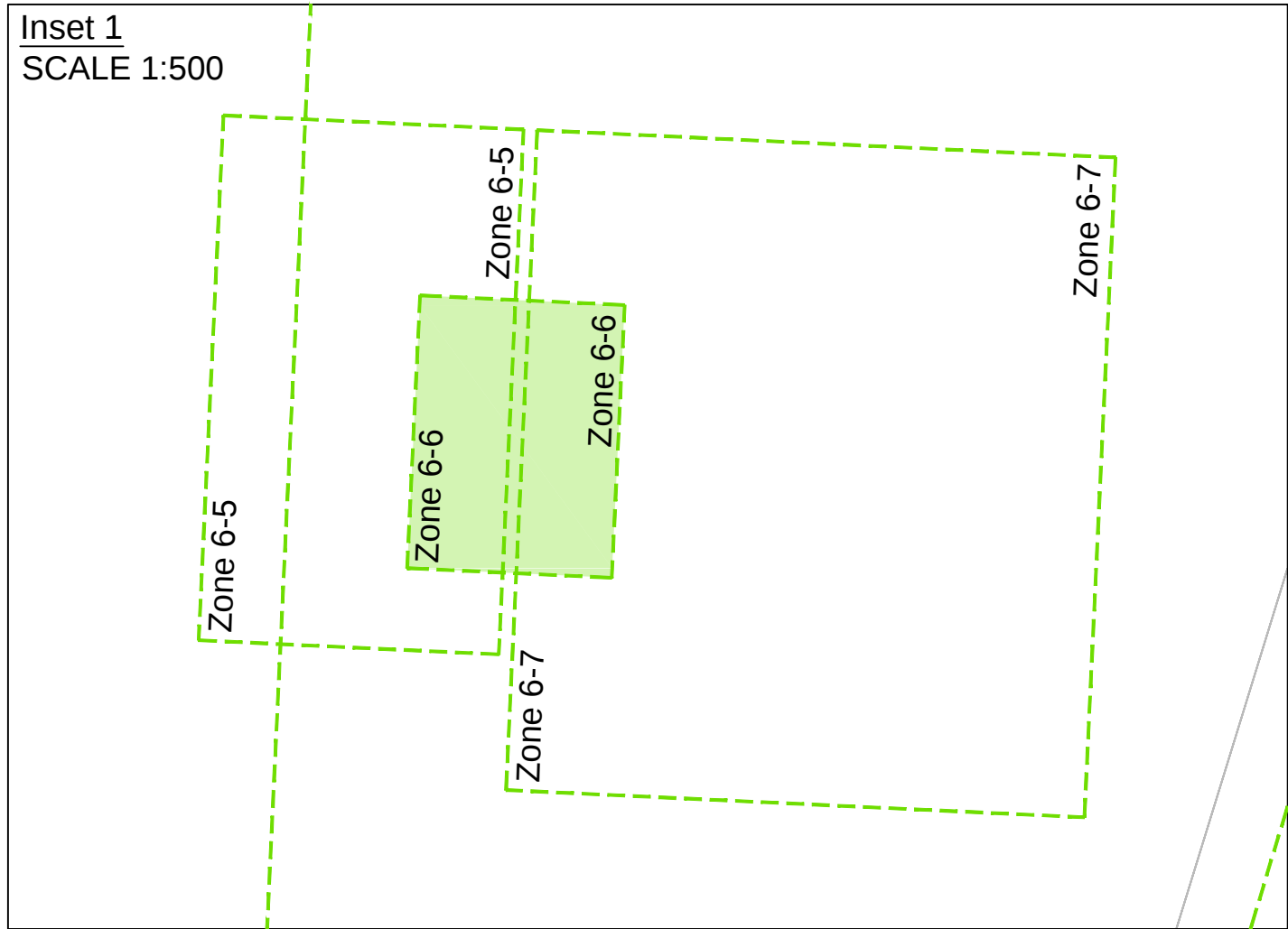
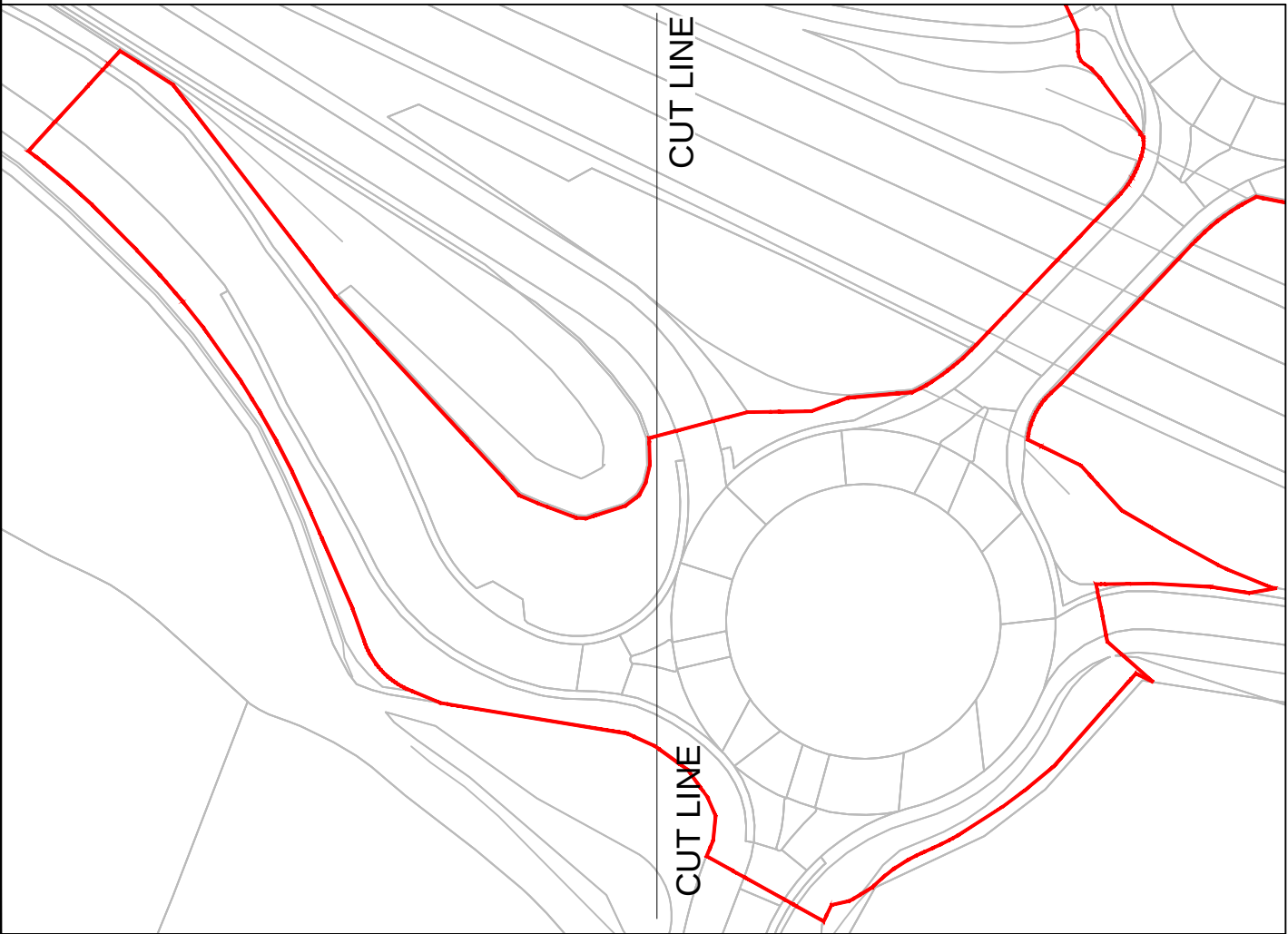
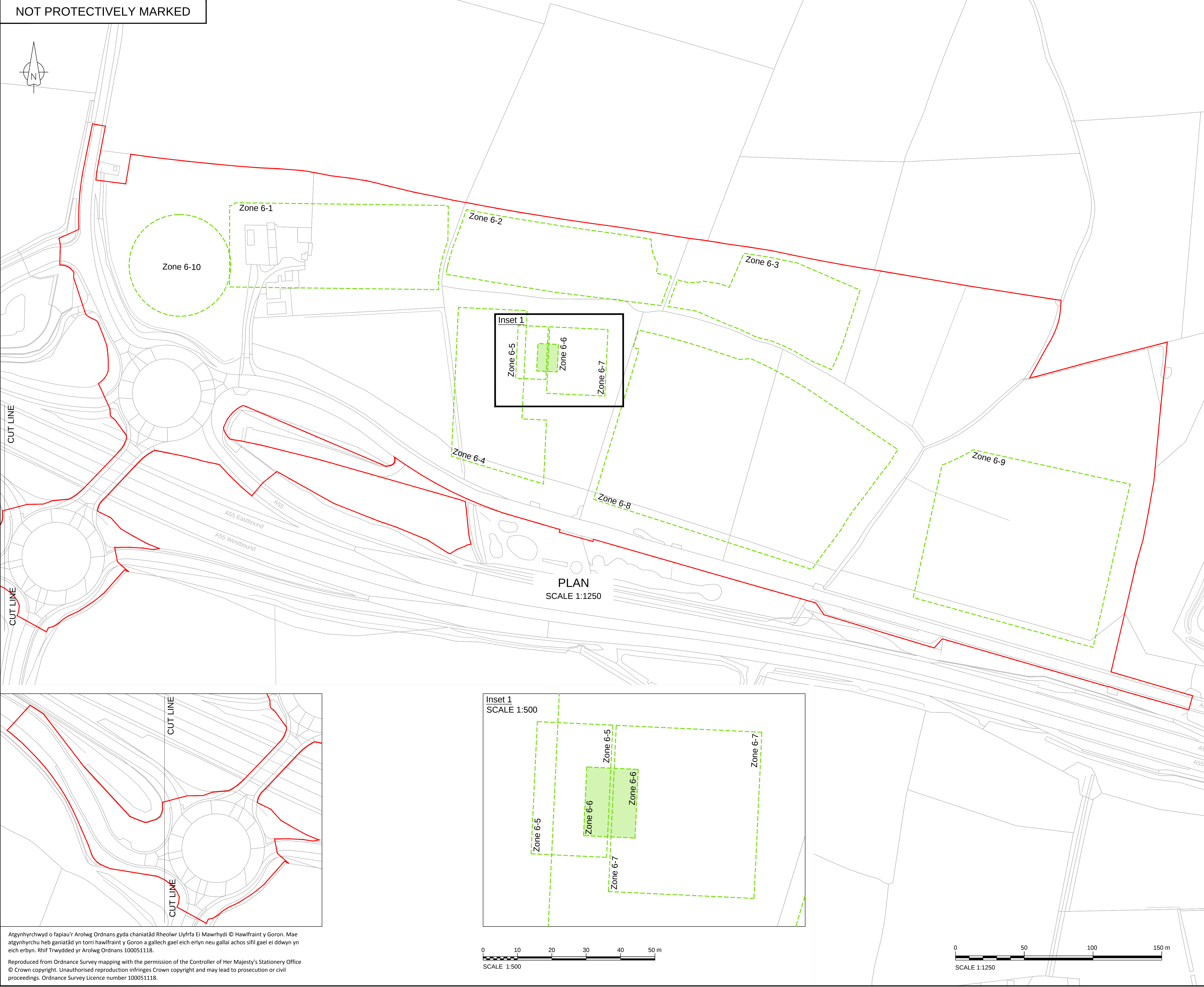
Revision 2.0
Examination Deadline 2

Regulation Number: 5(2)(o)

Planning Act 2008
Infrastructure Planning (Applications: Prescribed Forms and Procedure) Regulations 2009

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LEGEND

Order Limits

Maximum Extent of Parameter Zone

Hatching to Define Maximum Extent of Parameter Zone 6-6

1.0	MARCH 2018	FOR DCO SUBMISSION	HNPWL	HNPWL	HNPWL
Rev	Rev. Date	Purpose of revision	Drawn	Checked	Apprv'd

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HORIZON

NUCLEAR POWER

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Project

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DCO PROJECT

Drawing Title

PARK AND RIDE - DALAR HIR
PARAMETER PLAN

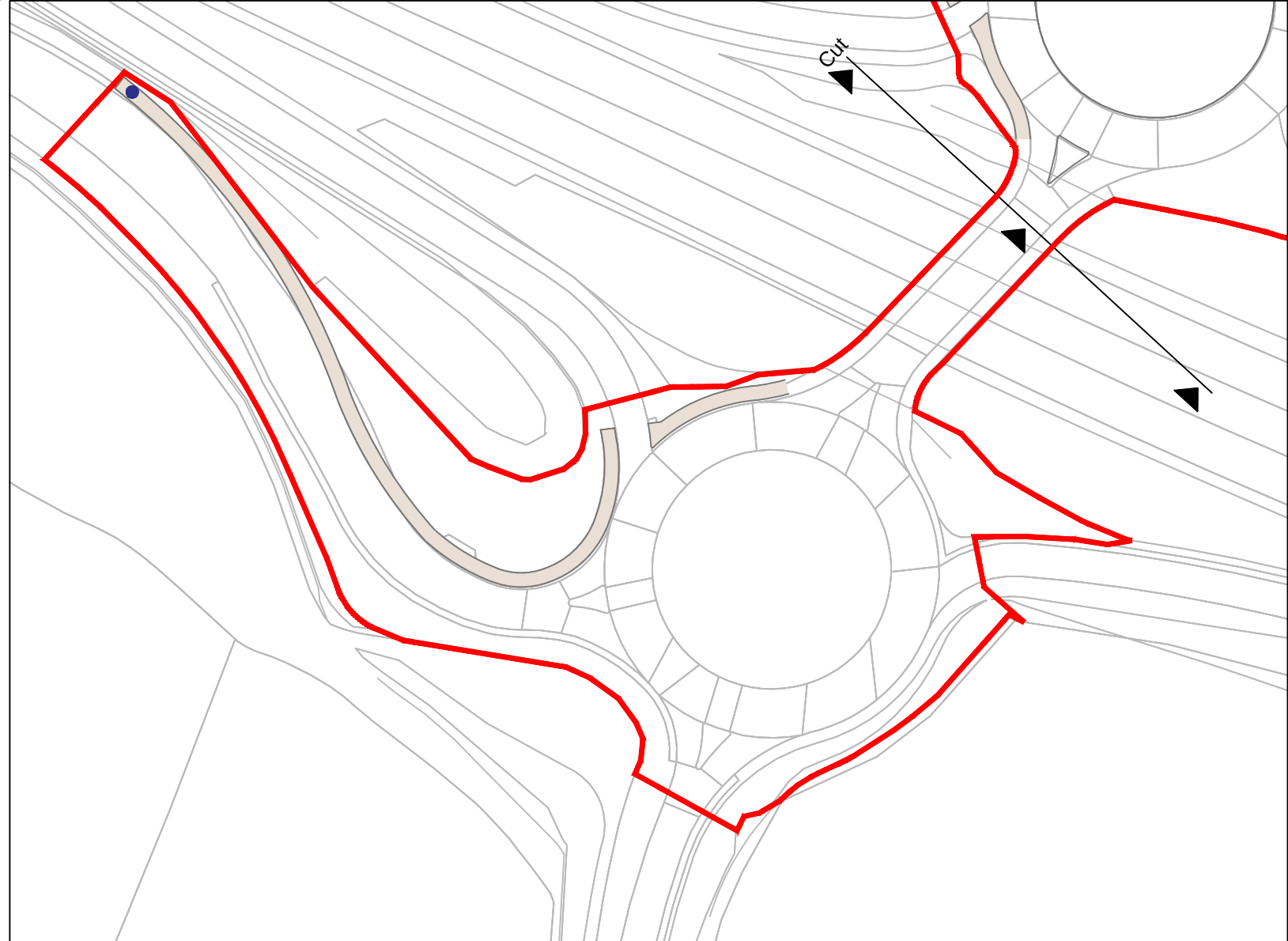
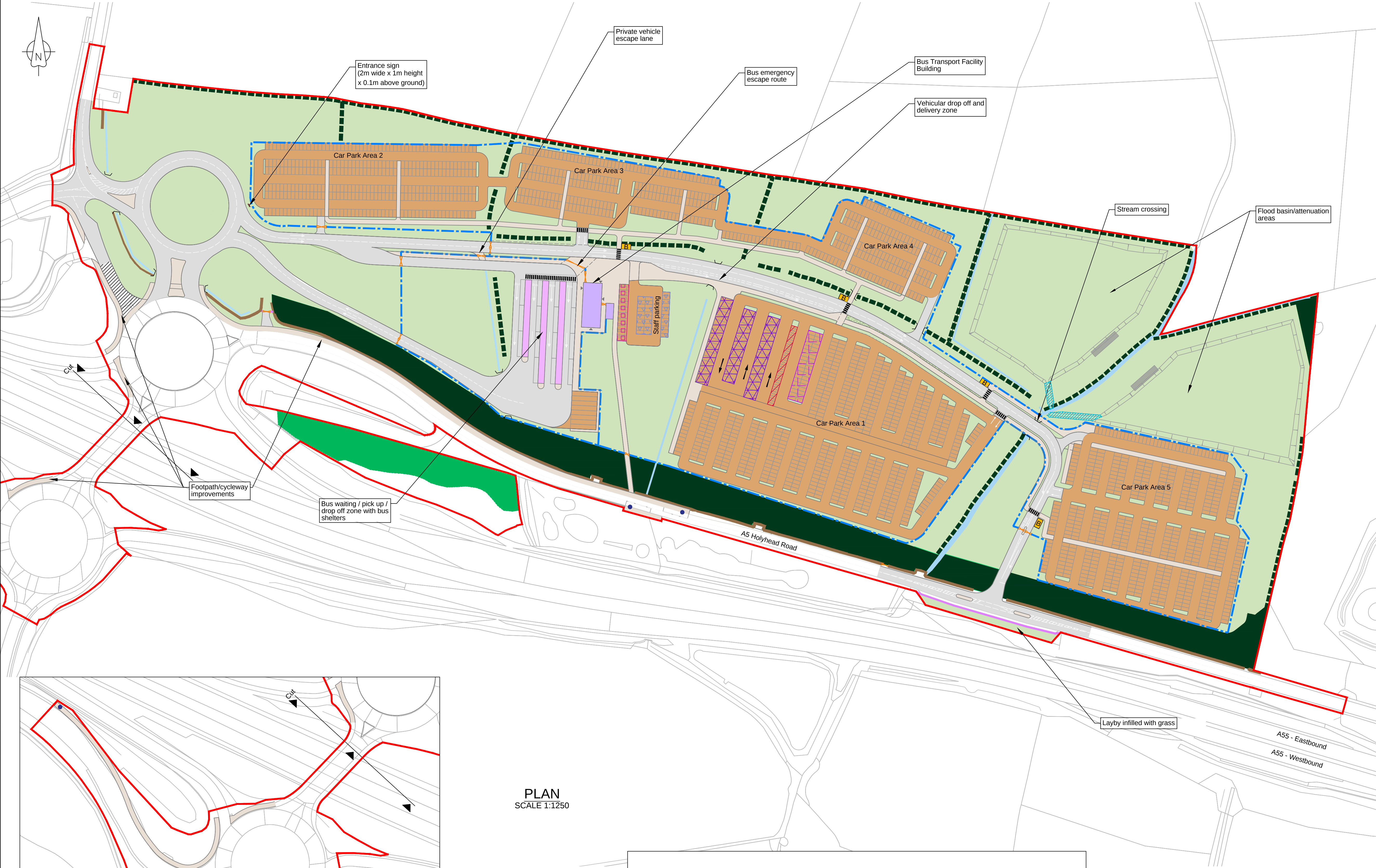
Regulation 5 (2) (o)

Security Status

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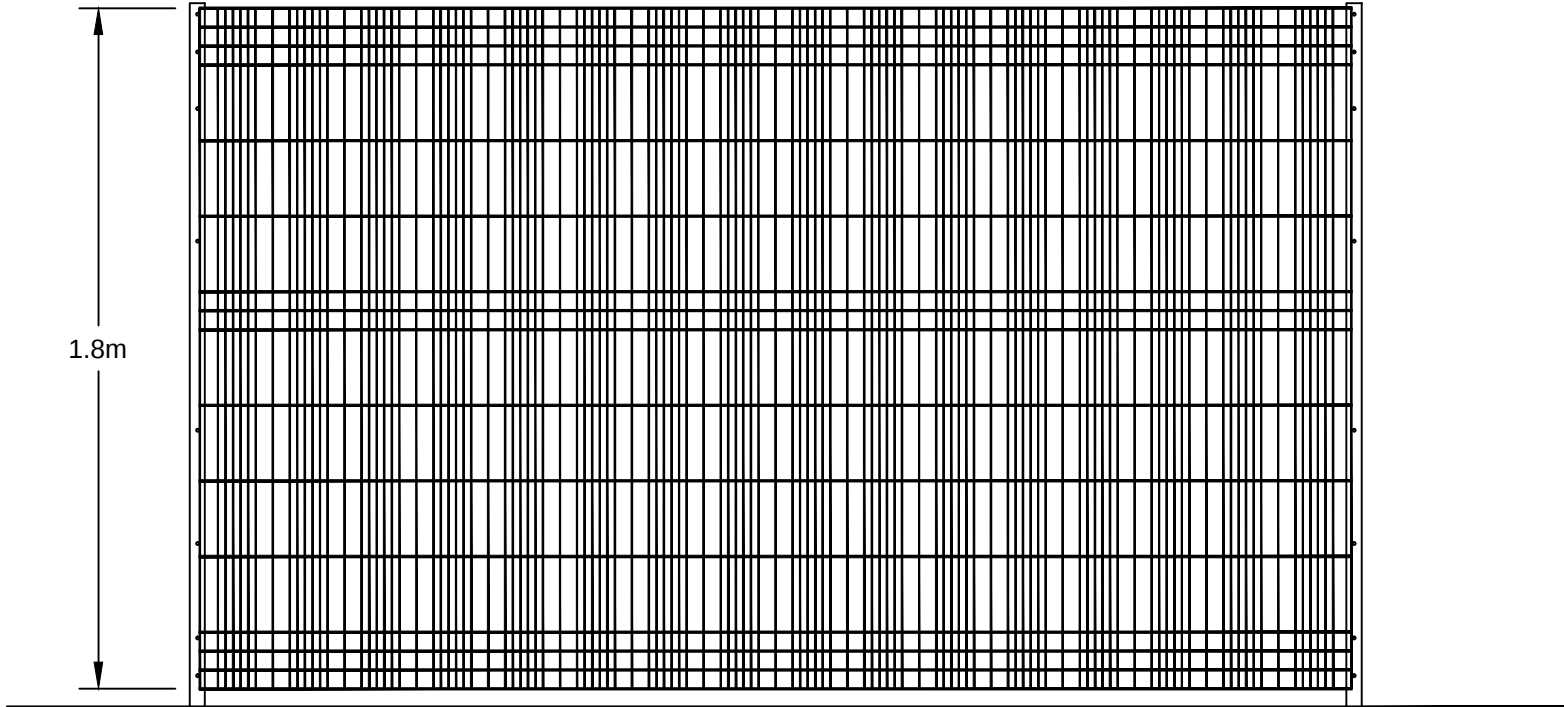
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				1.0	

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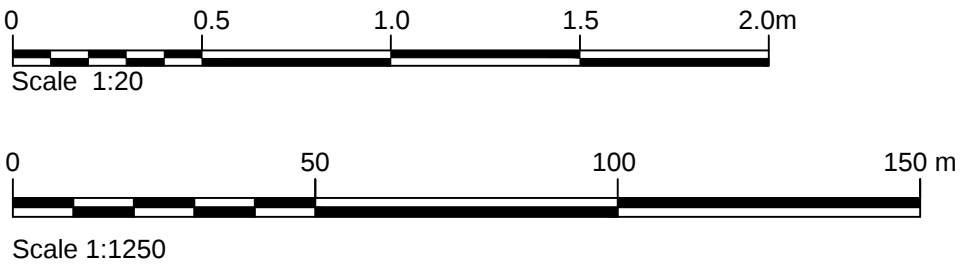


Full extents of footpath / cycleway

PLAN
SCALE 1:1250



PROPOSED FENCE ELEVATION
SCALE 1:20



NOTES

1. All dimensions are in metres unless noted otherwise.

LEGEND

- Order limits
- Softworks - existing**
 - Retained and enhanced trees and shrubs
 - Retained hedgerow
 - Existing watercourse / drainage ditch
- Softworks - proposed**
 - Drainage ditch/swale
 - Native tree and shrub planting
 - Soft landscaping
- Hardworks - existing**
 - Retained stone wall
- Hardworks - proposed**
 - Vehicle surfacing, non-permeable
 - Pedestrian surfacing
 - Vehicle surfacing, permeable
 - Security fence (1.8m paladin type)
 - Stone wall
 - Secure gate and barrier access
 - Bridge / culvert
 - Weir structure location in flood attenuation areas
 - Side slopes to flood basin / attenuation areas (1 in 3 maximum)
- Buildings - proposed**
 - Building footprint
 - Bus shelter
 - Building access point / entrance
- Transport - proposed**
 - Pedestrian crossing
 - Internal bus stops
 - Public bus stops
 - Minibus parking
 - Motor bike parking
 - Accessible parking
 - Electrical charging point
 - Staff parking
 - Temporary closure until P&R has been removed

2.0	OCT 2018	OCTOBER 2018 AMENDMENTS	HNFWL	HNFWL	HNFWL
1.0	MAY 2018	FOR DCO SUBMISSION	HNFWL	HNFWL	HNFWL
Rev	Rev. Date	Purpose of revision	Drawn	Checked	Apprv'd

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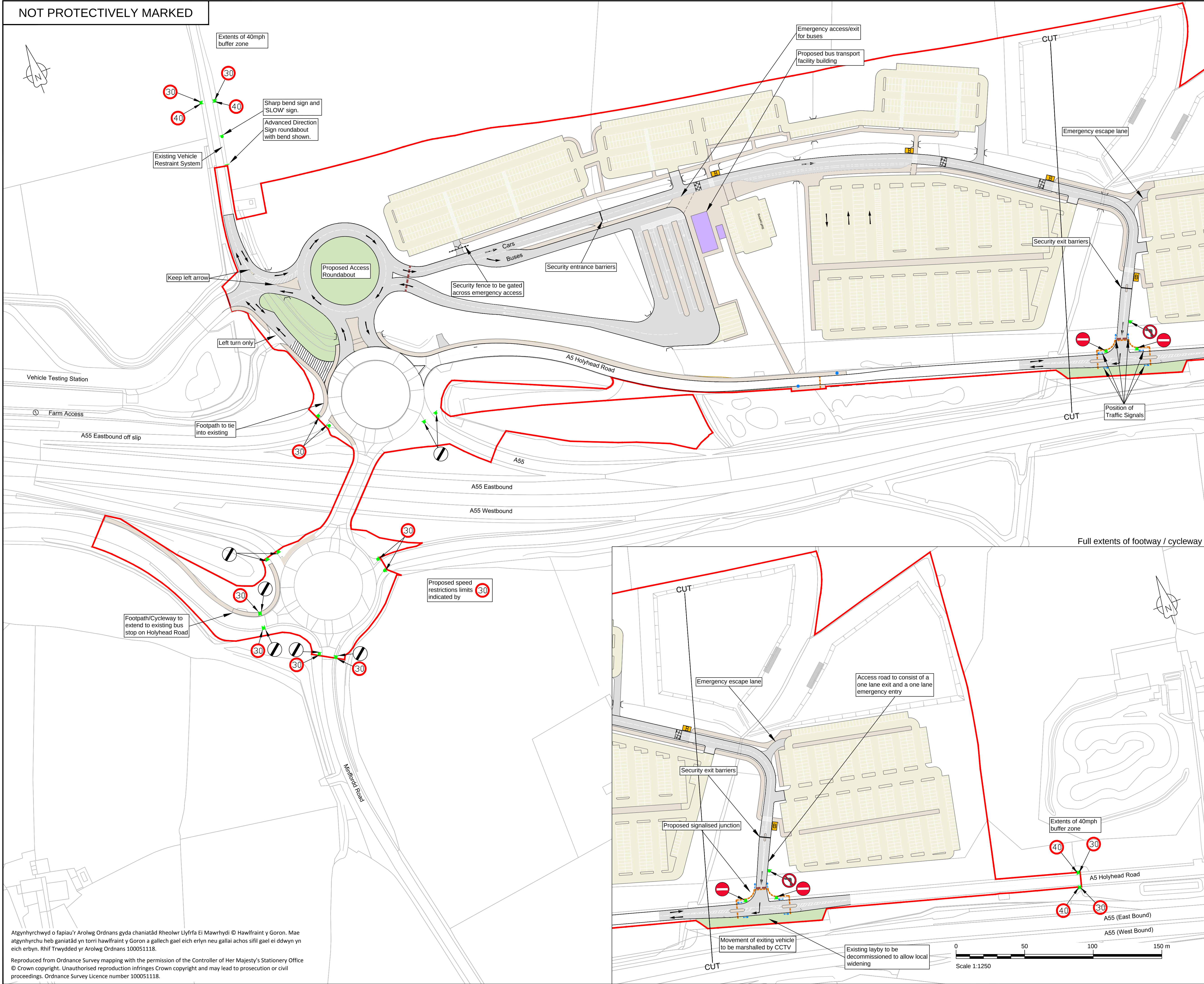
Drawing Title
**PARK AND RIDE - DALAR HIR
SITE LAYOUT PLAN**

Regulation 5 (2) (o)

Security Status
NOT PROTECTIVELY MARKED

Scale	AS Shown	Sheet Size	A1	Sheet(s)	1 of 1
Drawing Number	WN0902-HZDCO-ADV-DRG-00033				Rev 2.0

NOT PROTECTIVELY MARKED



NOTES

1. All dimensions are in metres unless noted otherwise.
2. Typical Carriageway Construction:
- Hot-mix asphalt surface (0.1m)
 - Base course (0.2m)
 - Sub-base
 - Capping layer
 - Subgrade
3. Typical Permeable Surfacing Construction
- Ground reinforcement cells
 - Root zone
 - Sub-base (free draining)
 - Subgrade

LEGEND

- Order limits
- Proposed landscaping area
- Proposed vehicle surfacing, non-permeable
- Proposed vehicle surfacing, permeable
- Proposed pedestrian surfacing
- Proposed building footprint
- Proposed traffic signal ducts
- Proposed traffic signal heads
- Proposed speed limit signs
- Proposed internal bus stops
- Proposed traffic calming measures
- Proposed extent of adopted highway
- Proposed bridge/culvert
- Public bus stop
- Temporary closure until P&R has been removed

2.0	OCT 2018	OCTOBER 2018 AMENDMENTS	HNPWL	HNPWL	HNPWL
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Drawing Title
PARK AND RIDE - DALAR HIR
PROPOSED HIGHWAYS
GENERAL ARRANGEMENT PLAN

Regulation 5 (2) (o)

Security Status					
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Drawing Number					Rev
WN0902-HZDCO-ADV-DRG-00036					2.0

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1. All levels are in metres above ordnance datum

LEGEND

- Order limits
- Softworks - existing
- Retained and enhanced trees and shrubs
- Retained hedgerow
- Existing watercourse / drainage ditch
- Softworks - proposed
- Drainage ditch/swale
- Hedgerow planting
- Native tree and shrub planting
- Grassland - retained or reinstated
- Hardworks - existing
- Retained stone wall
- Hardworks - proposed
- Stone wall
- Secure fence (1.8m paladin type)
- Secure gate and barrier access
- Vehicle surfacing, non-permeable
- Vehicle surfacing, permeable
- Pedestrian surfacing
- Weir structure location in flood attenuation areas
- Side slopes to flood basin / attenuation areas (1 in 3 maximum)
- Buildings - proposed
- Building footprint
- Bus shelter
- Building access point / entrance
- Transport - proposed
- Internal bus stops
- Public bus stops
- Pedestrian crossing
- Minibus parking
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2.0	OCT 2018	OCTOBER 2018 AMENDMENTS	HNPWL	HNPWL	HNPWL
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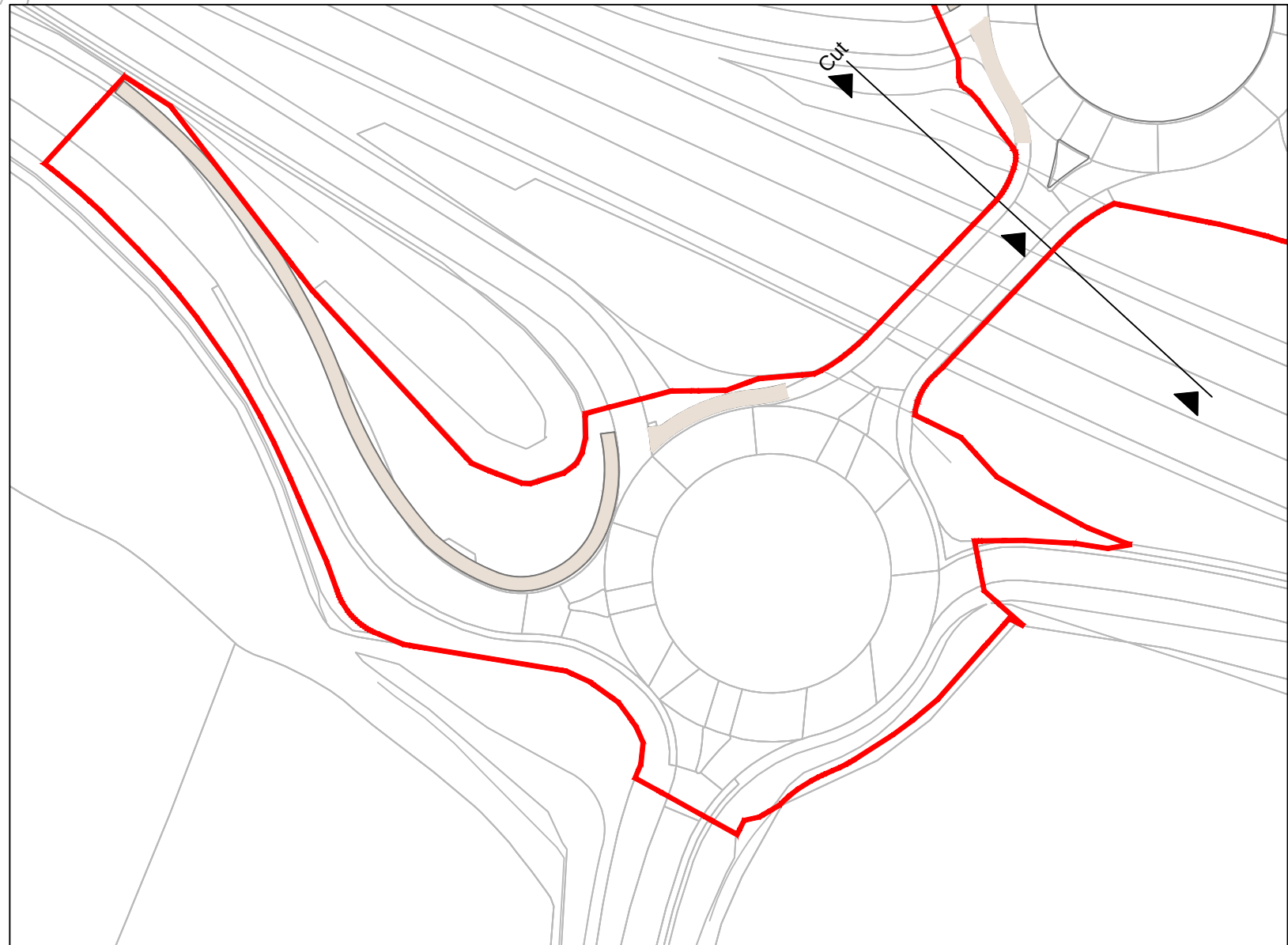
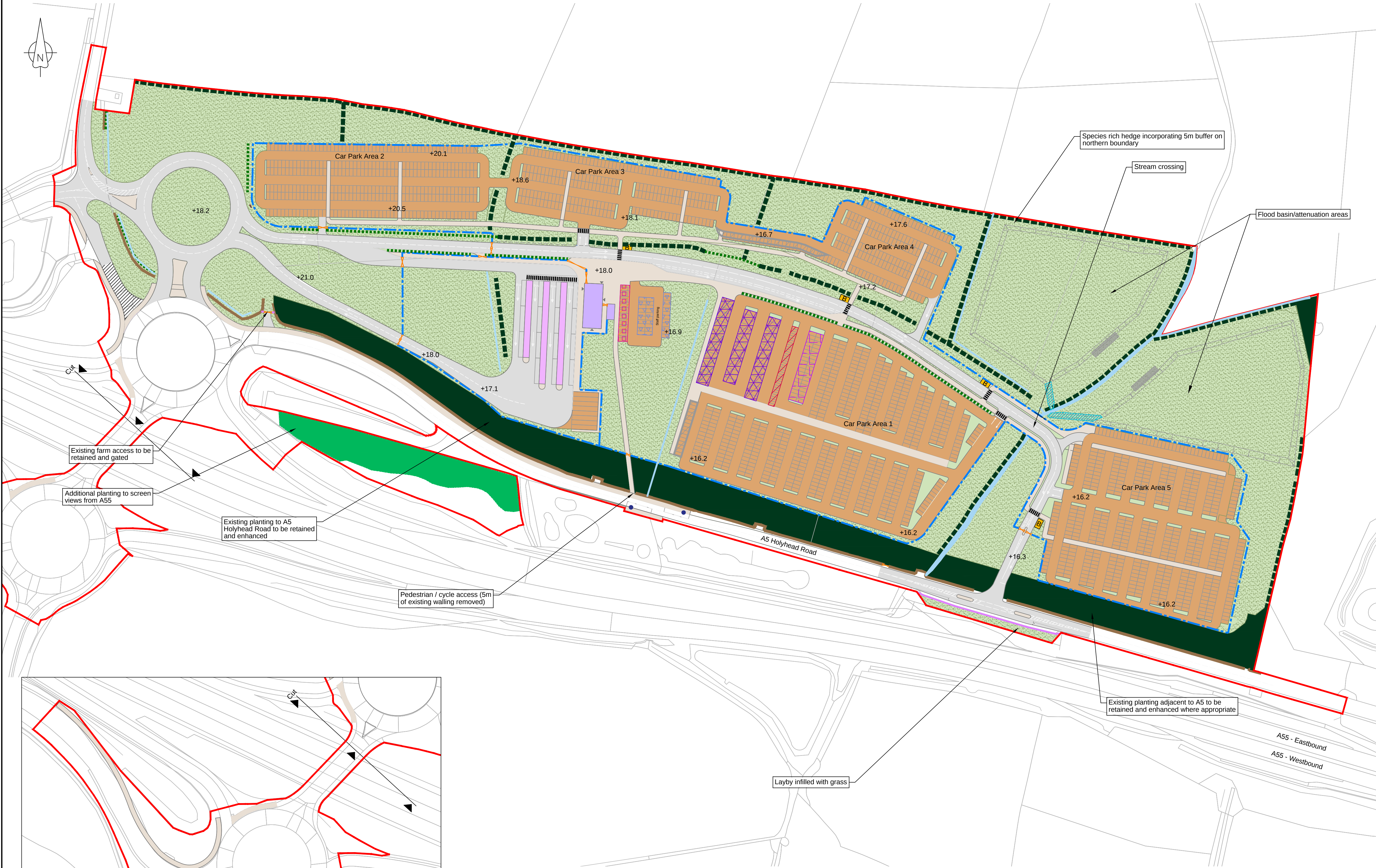
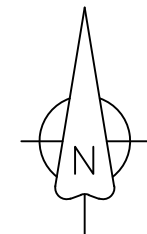
PARK AND RIDE - DALAR HIR
PROPOSED LANDSCAPE
MASTERPLAN
AND FINISHED LEVELS

Regulation 5 (2) (o)

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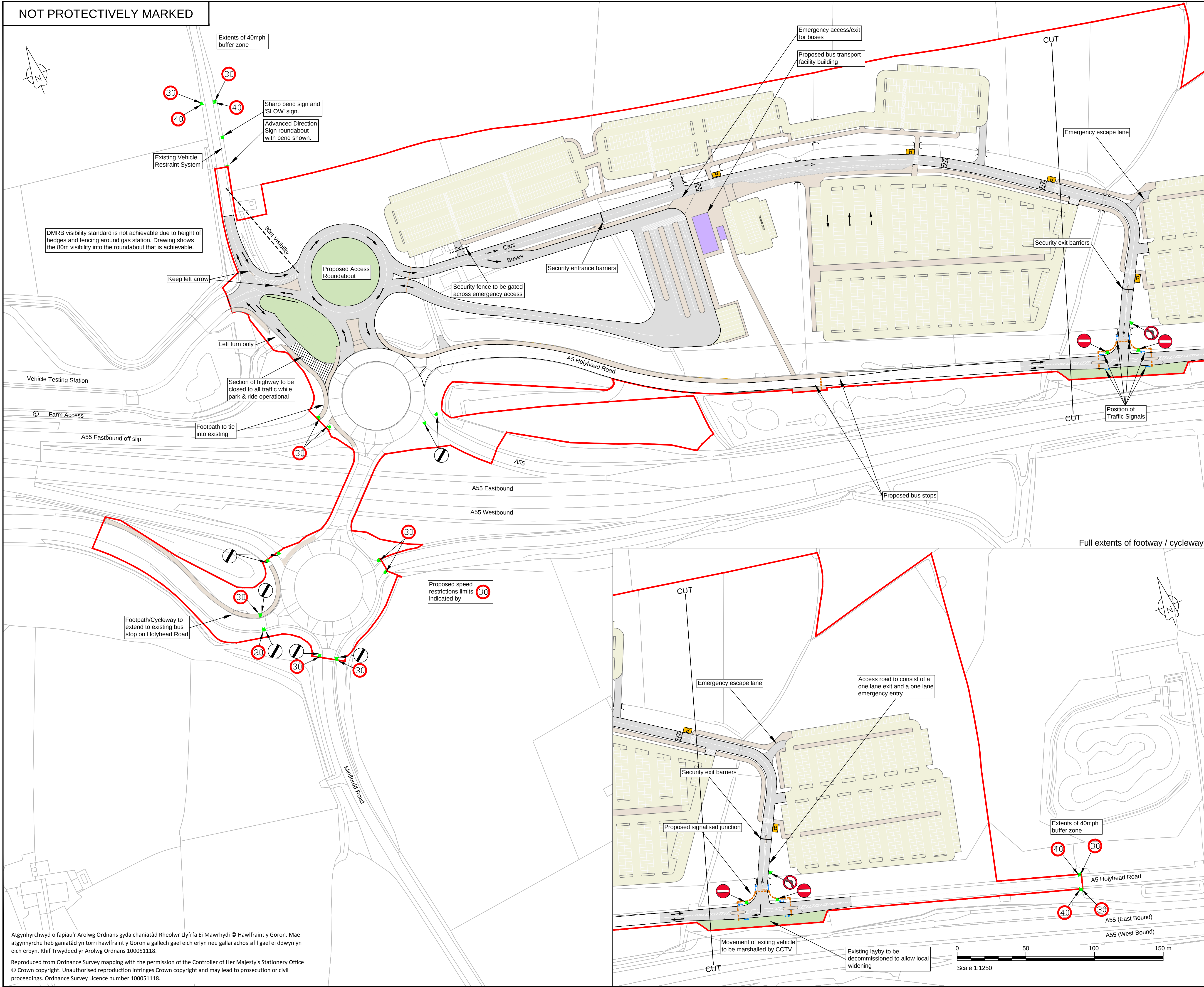
Full extents of footpath / cycleway

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NOTES

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- Hot-mix asphalt surface (0.1m)
- Base course (0.2m)
- Sub-base
- Capping layer
- Subgrade

3. Typical Permeable Surfacing Construction

- Ground reinforcement cells
- Root zone
- Sub-base (free draining)
- Subgrade

LEGEND

- Order limits
- Proposed landscaping area
- Proposed vehicle surfacing, non-permeable
- Proposed vehicle surfacing, permeable
- Proposed pedestrian surfacing
- Proposed building footprint
- Proposed traffic signal ducts
- Proposed traffic signal heads
- Proposed speed limit signs
- Proposed internal bus stops
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- Proposed extent of adopted highway
- Proposed bridge/culvert

1.0	MAY 2018	FOR DCO SUBMISSION	HNPWL	HNPWL	HNPWL
Rev	Rev. Date	Purpose of revision	Drawn	Checked	Approved

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Drawing Title
PARK AND RIDE - DALAR HIR
PROPOSED HIGHWAYS
GENERAL ARRANGEMENT PLAN

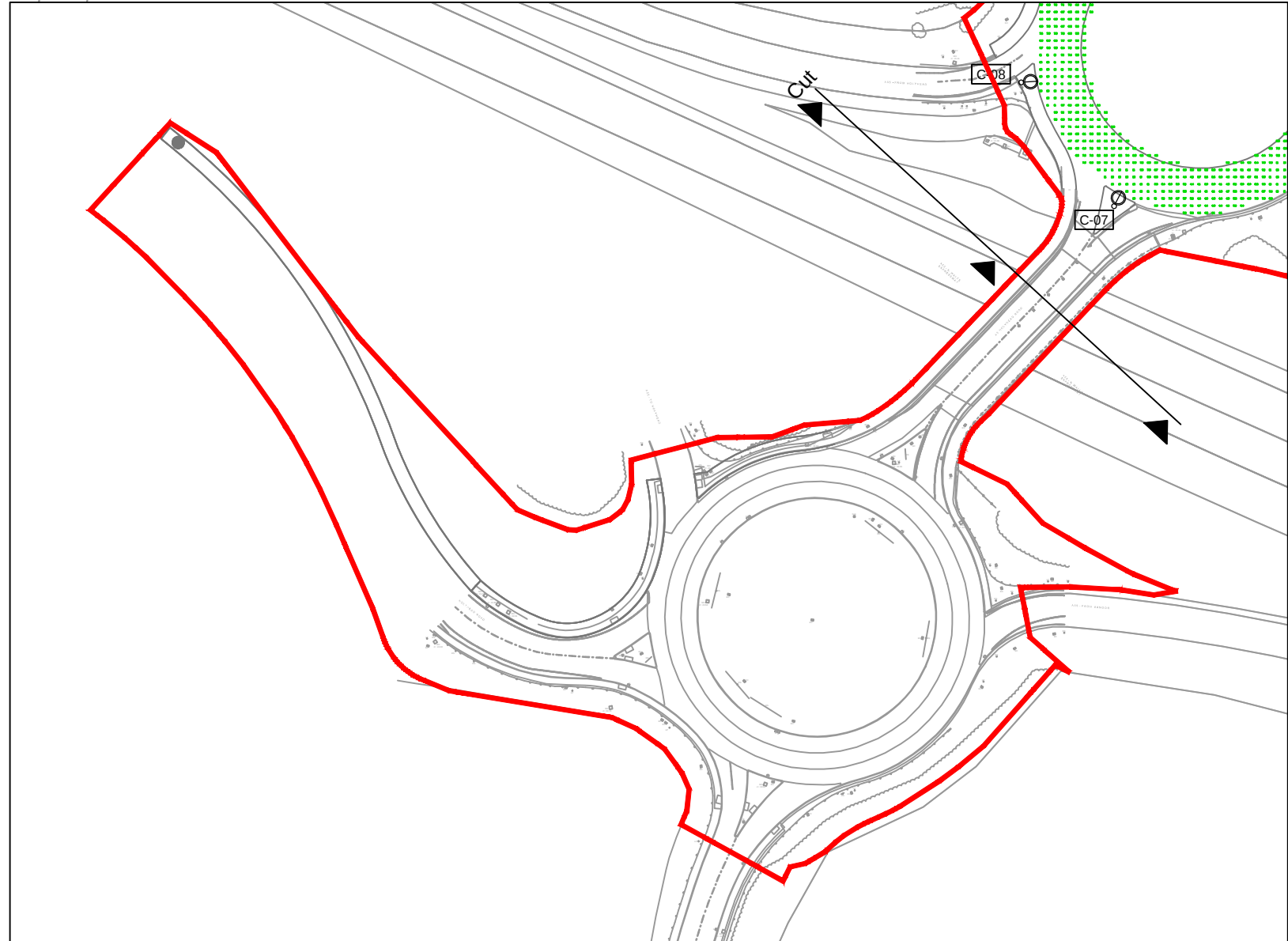
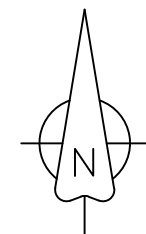
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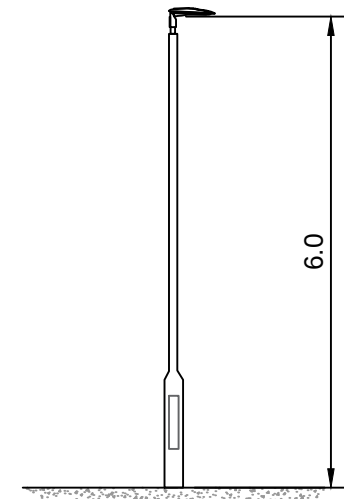


Full extents of footpath / cycleway

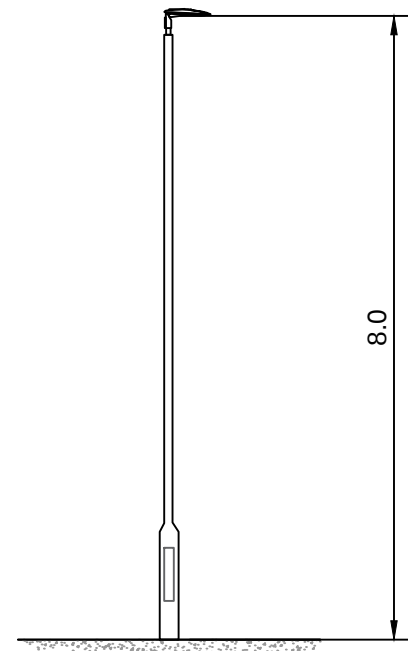
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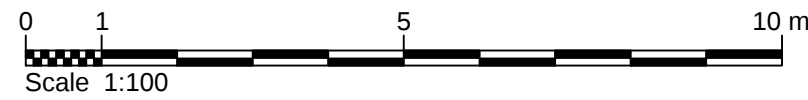
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Type A- 6m Column



Type C- 8m Column



NOTES

1. All dimensions are in metres unless noted otherwise.

LEGEND

Statistics				
Description	Symbol	Avg	Min	Min/Avg
Roundabout		8.16 lux	3.23 lux	0.40
East Road / Site Exit		6.03 lux	1.45 lux	0.24
West Road / Bus drop-off		6.1 lux	1.55 lux	0.27
Car Park 2 & 3		6.25 lux	1.76 lux	0.25
Car Park 4		6.92 lux	1.76 lux	0.25
Car Park 1		5.62 lux	1.55 lux	0.25
Car Park 5		6.21 lux	1.55 lux	0.25
Staff Parking		7.14 lux	1.9 lux	0.27
Footpath 1		3.0 lux	0.6 lux	0.20
Footpath 2		5.0 lux	1.0 lux	0.20

Luminaires

Symbol	Label	QTY	Description	Lamp	No. of Lamps
	A	206	Post top mounted on 6m columns	LED C.3000LM - 4000K	1
	B	7	Wall Mounted at 4m	38W 4000K 2D - Compact Fluorescent	1
	C	14	Post top mounted on 8m columns	LED C.7000LM - 4000K	1

Order limits

2.0	OCT 2018	OCTOBER 2018 AMENDMENTS	HNPWL	HNPWL	HNPWL
1.0	MAY 2018	FOR DCO SUBMISSION	HNPWL	HNPWL	HNPWL
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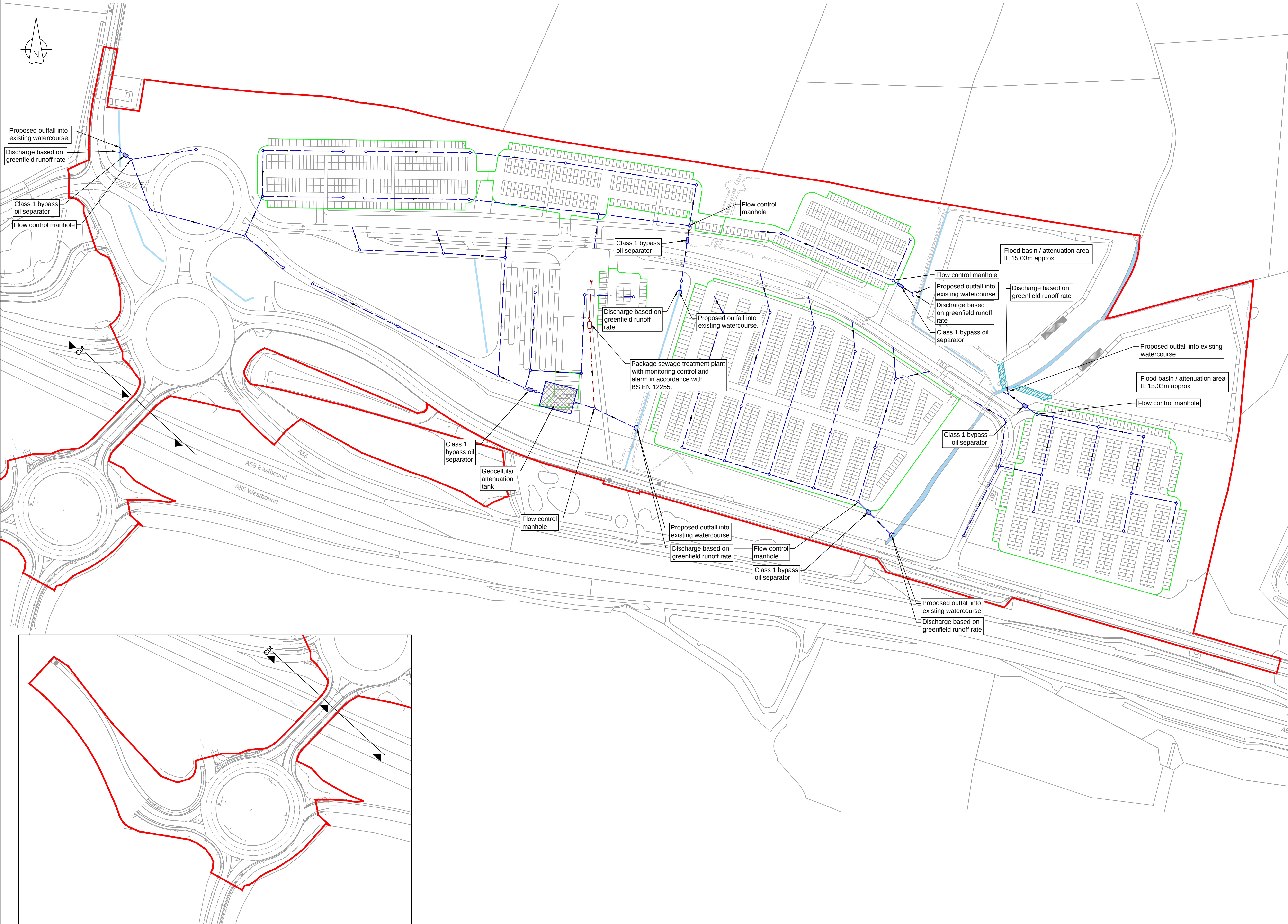
Project
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DCO PROJECT**

Drawing Title
**PARK AND RIDE - DALAR HIR
PROPOSED EXTERNAL
LIGHTING PLAN**

Regulation 5 (2) (o)

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Drawing Number					Rev
WN0902-HZDCO-ADV-DRG-00037					2.0

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NOTES

- The surface water drainage network is proposed with the following requirements:
 - Pipes are designed for flow from a 1 in 5 year storm event plus 20% climate change with no surcharging above soffit
 - No flooding from manholes or above ground (allowing for a 300 mm freeboard below ground level) for a flow from a 1 in 30 year storm plus 20% climate change
- The drainage system is proposed so that the peak discharge runoff rates for a 1 in 100 year storm event plus 20% climate change is constrained to greenfield runoff rates for the same event.
- Impermeable surface is proposed for all access roads and bus trafficked areas.
- Permeable paving is proposed for all car parking spaces.
- Surface water storage requirements will be provided using tanked membrane systems below permeable areas and geo-cellular storage systems elsewhere.
- Flood attenuation areas : During a flood event, water will back up from the culvert beneath the A5. When it reaches a level of approximately 15.03mAOD, it will start to flow into the attenuation via the two small drainage channels/swales. When water levels are sufficiently high, it will also overtop the weirs and flow into the storage areas. Once water levels have peaked and water begins to drain from the site, the two small drainage ditches/swales will enable the attenuation areas to fully drain.
- Potable water supply connections will be made on the potable main that runs adjacently to the south of site.
- On-site package treatment plants are proposed to treat foul flows as there are no sewer mains in the area. Treated flows will be discharged into the surface water network and watercourse and will be subject to an environmental permit. Package treatment plants to be located a minimum of 10m from watercourse/buildings.
- All levels are in metres above ordnance datum.

LEGEND

- Order limits
- Proposed surface water drain
- Proposed surface water catchpit
- Proposed foul water sewer
- Proposed foul water manhole
- Proposed vehicle surfacing, permeable
- Proposed below ground geocellular attenuation tank
- Proposed bypass separator
- Proposed sewage treatment plant
- Proposed headwall outfall
- Weir structure location in flood attenuation areas
- Side slopes to flood basin / attenuation areas (1 in 3 maximum)
- Drainage ditch/swale
- IL Invert level
- Existing watercourse / drainage ditch

2.0	OCT 2018	OCTOBER 2018 AMENDMENTS	HNFWL	HNFWL	HNFWL
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Project
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Drawing Title
**PARK AND RIDE - DALAR HIR
PROPOSED SURFACE WATER
AND FOUL WATER
DRAINAGE PLAN**

Regulation 5 (2) (o)

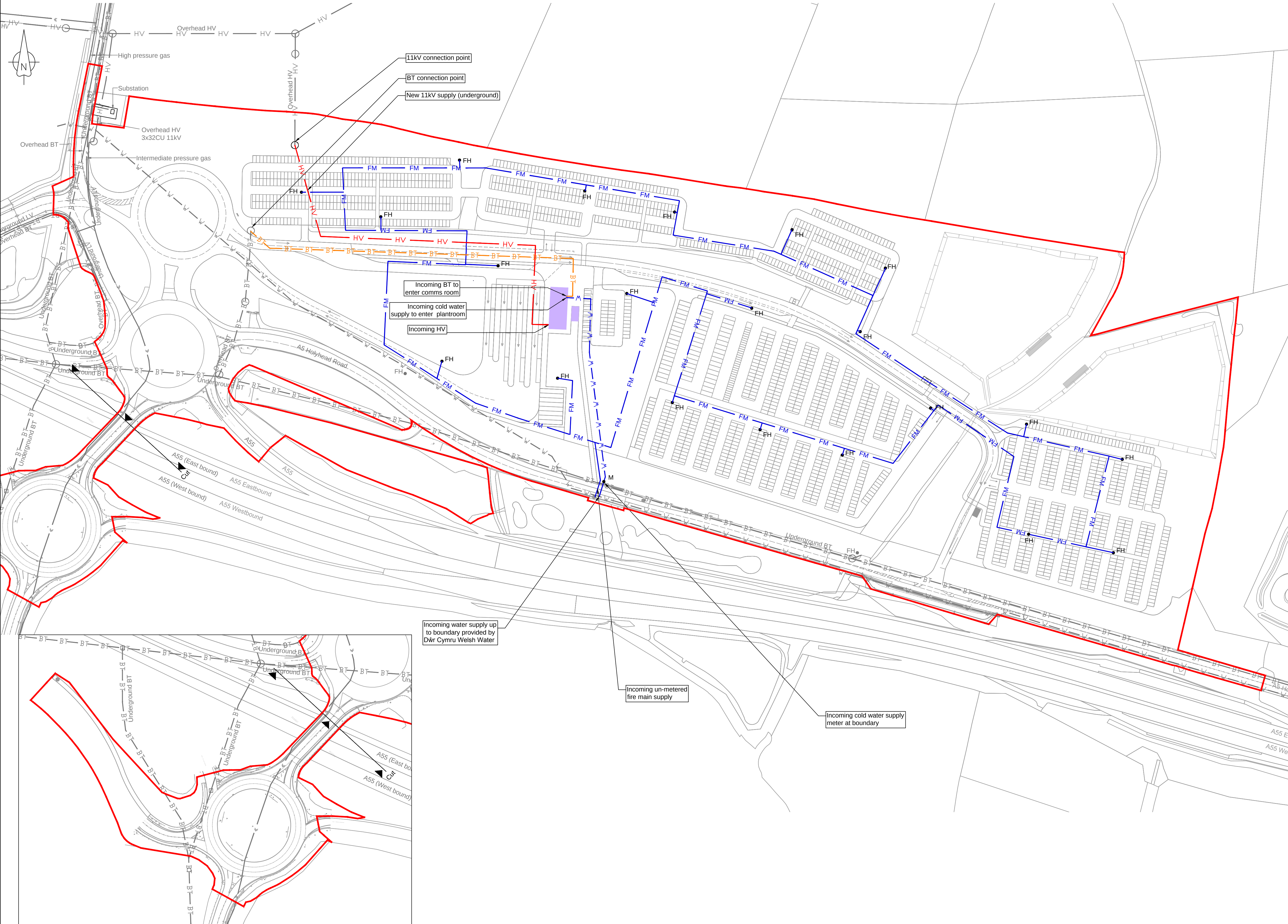
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Full extents of footway / cycleway

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NOTES

- Locations of services shown are approximate and based on plan information from service providers and others.
- Incoming utility supplies to the transport building and the locations of the fire main are shown only. Secondary distribution of services around the site has been omitted for clarity.

LEGEND

Order limits

EXISTING SERVICES

BT - Telecoms

Electrical LV

Electrical HV

Gas

Water

PROPOSED SERVICES

BT - Telecoms

Electrical HV

Water

Fire main

Pole

Fire hydrant

Water meter

Proposed building footprint

High voltage

Low voltage

British Telecom

Kilovolt

2.0	OCT 2018	OCTOBER 2018 AMENDMENTS	HNFWL	HNFWL	HNFWL
1.0	MARCH 2018	FOR DCO SUBMISSION	HNFWL	HNFWL	HNFWL
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DCO PROJECT

Drawing Title
PARK AND RIDE - DALAR HIR
SITE UTILITIES AND
PROPOSED CONNECTIONS TO
EXISTING STATUTORY UNDERTAKERS
Regulation 5 (2) (o)

Security Status
NOT PROTECTIVELY MARKED

Scale	1:1250	Sheet Size	A1	Sheet(s)	1 of 1
Drawing Number	WN0902-HZDCO-ADV-DRG-00039	Rev	2.0		

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NOT PROTECTIVELY MARKED



Full extents of footpath / cycleway

Atgynhychwyd o fapiau'r Arolwg Ordnans gyda chaniatâd Rheolwr Llyfrfa El Mawrhydi © Hawlfraint y Goron. Mae atgynhychu heb ganiatâd yn torri hawlfraint y Goron a gallech gael eich erlyn neu gallai achos sifil gael ei ddwyn yn eich erbyn. Rhif Trwydded yr Arolwg Ordnans 100051118.

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NOTES

1. New internal hedgerow planting to integrate the site into the surrounding field pattern
2. Security fencing removed and hedgerow to be reinstated
3. Drainage outfalls to be removed during site decommissioning works

LEGEND

- Order limits
- Softworks - retained**
- Retained and enhanced trees and shrubs
 - Retained hedgerow
- Softworks - proposed**
- Hedgerow planting
 - Native tree and shrub planting
 - Grassland - retained or reinstated
 - Drainage ditch/swale
 - Weir structure location in flood attenuation areas
 - Side slopes to flood basin / attenuation areas (1 in 6 maximum)
- Hardworks - retained**
- Retained stone wall
- Hardworks - proposed**
- Highways reinstated
 - Proposed stone wall
 - Secure gate and barrier access
 - Pedestrian surfacing
- Water - existing**
- Existing watercourse / drainage ditch retained
- Contour**
- Contour reinstatement level

2.0	OCT 2018	OCTOBER 2018 AMENDMENTS	HNPWL	HNPWL	HNPWL
1.0	MAY 2018	FOR DCO SUBMISSION	HNPWL	HNPWL	HNPWL
Rev	Rev. Date	Purpose of revision	Drawn	Checked	Approved

FOR APPROVAL

HORIZON
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Project
**WYLFA NEWYDD
DCO PROJECT**

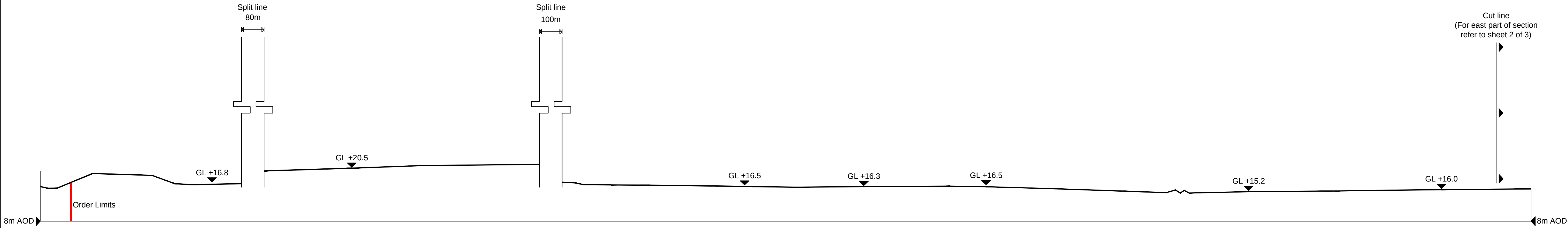
Drawing Title
**PARK AND RIDE - DALAR HIR
PROPOSED RESTORATION PLAN
POST OPERATION**

Regulation 5 (2) (o)

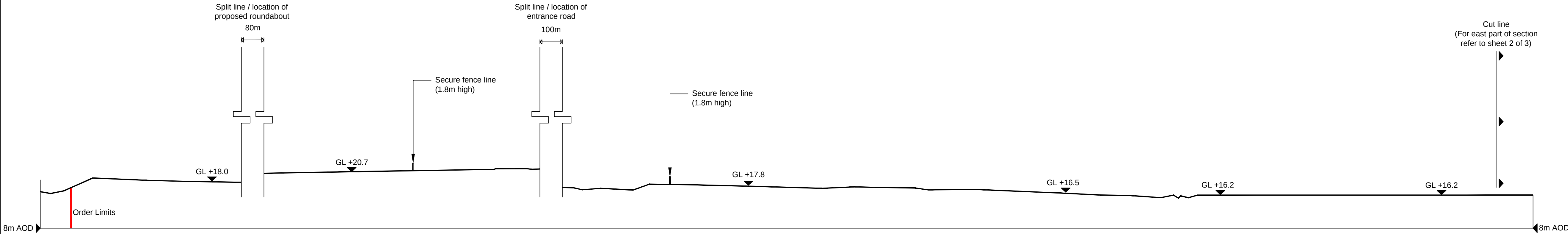
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Drawing Number					Rev
WN0902-HZDCO-ADV-DRG-00040					2.0

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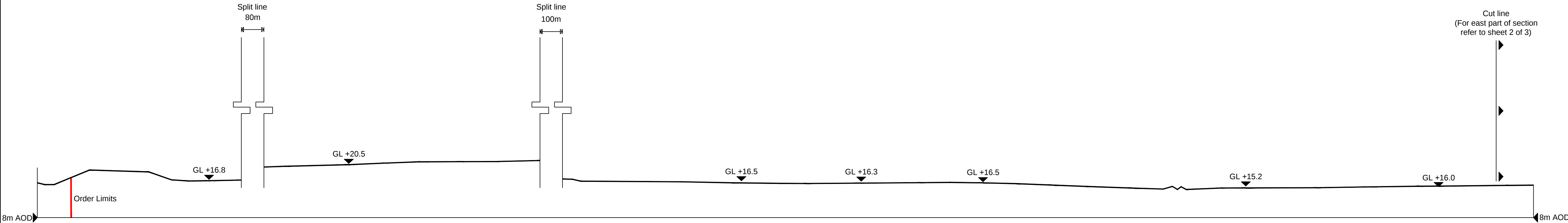
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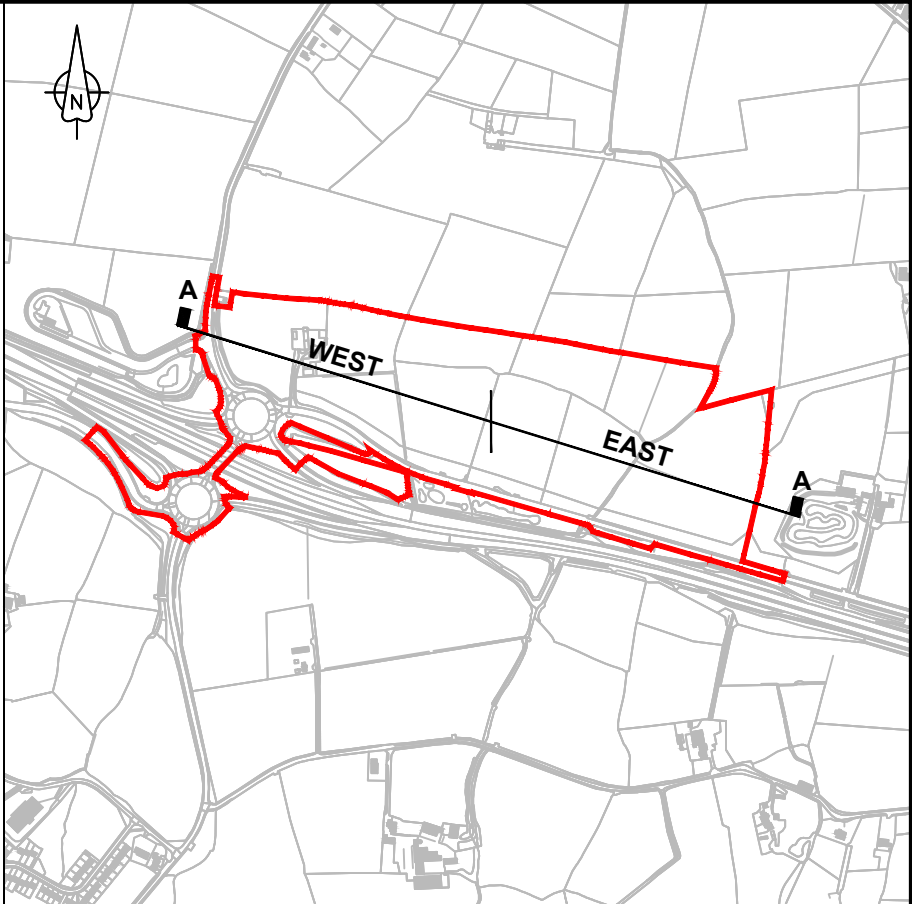
SECTION A EAST-WEST (WEST) - EXISTING
1:500



SECTION A EAST-WEST (WEST) - PROPOSAL
1:500



SECTION A EAST-WEST (WEST) - RESTORATION
1:500



SITE SECTION LOCATION PLAN
Not To Scale

NOTES

1. All levels are in metres Above Ordnance Datum(AOD).

LEGEND

- Order limits
- Ground line
- GL Ground Level
- AOD Above Ordnance Datum

2.0	OCT 2018	OCTOBER 2018 AMENDMENTS	HNPWL	HNPWL	HNPWL
1.0	MARCH 2018	FOR DCO SUBMISSION	HNPWL	HNPWL	HNPWL
Rev	Rev. Date	Purpose of revision	Drawn	Checked	Apprv'd

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Project
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DCO PROJECT**

Drawing Title
**PARK AND RIDE - DALAR HIR
EXISTING AND PROPOSED
SITE CROSS SECTIONS
SHEET 1**

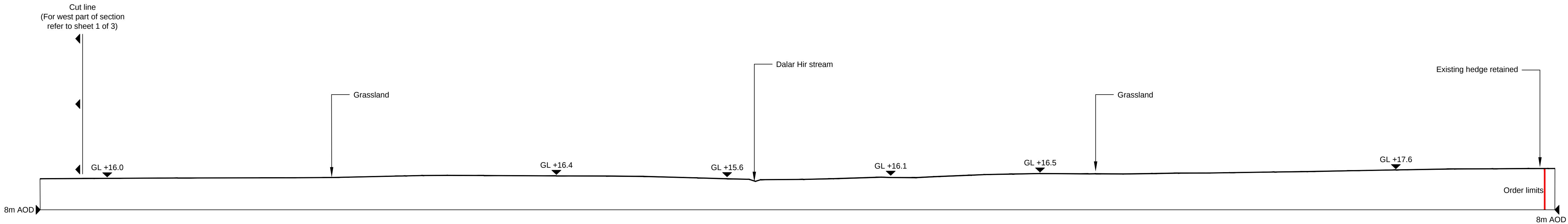
Regulation 5 (2) (o)

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Drawing Number	WN0902-HZDCO-ADV-DRG-00041				Rev 2.0

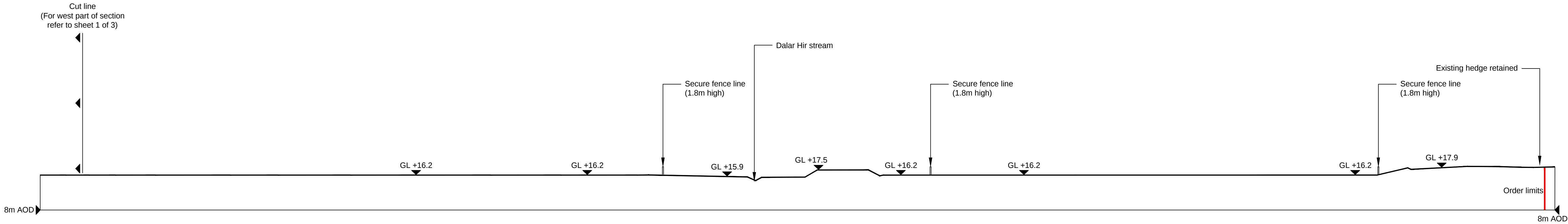
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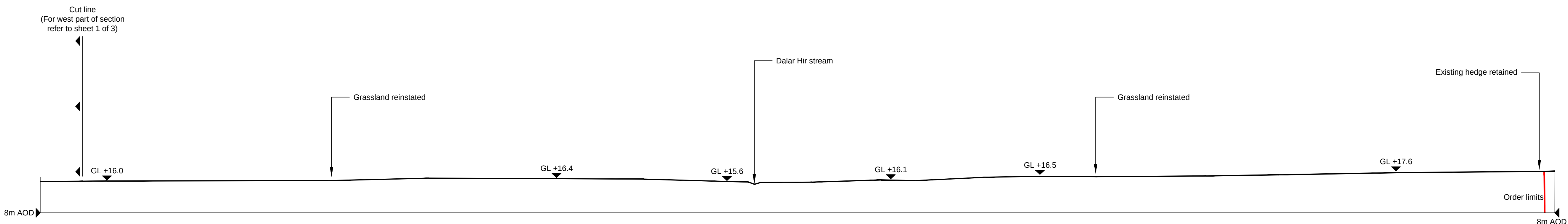




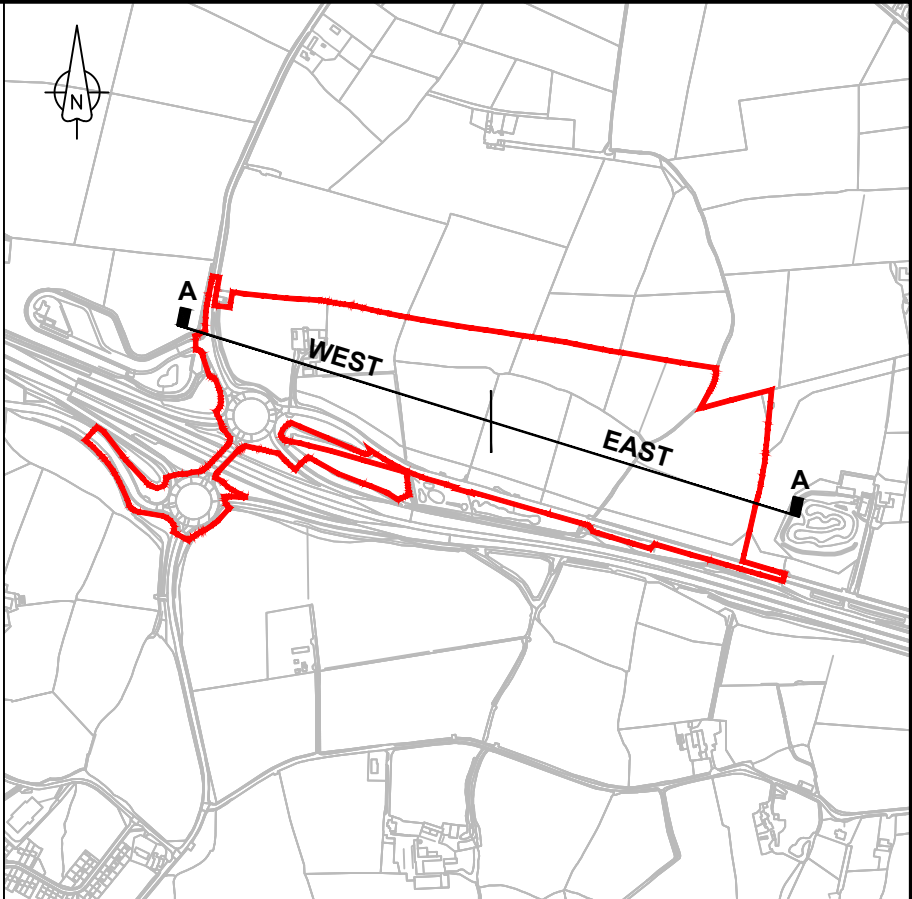
SECTION A EAST-WEST (EAST) - EXISTING
1:500



SECTION A EAST-WEST (EAST) - PROPOSAL
1:500



SECTION A EAST-WEST (EAST) - RESTORATION
1:500



SITE SECTION LOCATION PLAN
Not To Scale

NOTES

- All levels are in metres Above Ordnance Datum(AOD).

LEGEND

- Order limits
- Ground line
- GL Ground Level
- AOD Above Ordnance Datum

2.0	OCT 2018	OCTOBER 2018 AMENDMENTS	HNPWL	HNPWL	HNPWL
1.0	MARCH 2018	FOR DCO SUBMISSION	HNPWL	HNPWL	HNPWL
Rev	Rev. Date	Purpose of revision	Drawn	Checked	Apprv'd

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Project
**WYLFA NEWYDD
DCO PROJECT**

Drawing Title
**PARK AND RIDE - DALAR HIR
EXISTING AND PROPOSED
SITE CROSS SECTIONS
SHEET 2**

Regulation 5 (2) (o)

Security Status NOT PROTECTIVELY MARKED					
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Drawing Number	WN0902-HZDCO-ADV-DRG-00042				Rev 2.0

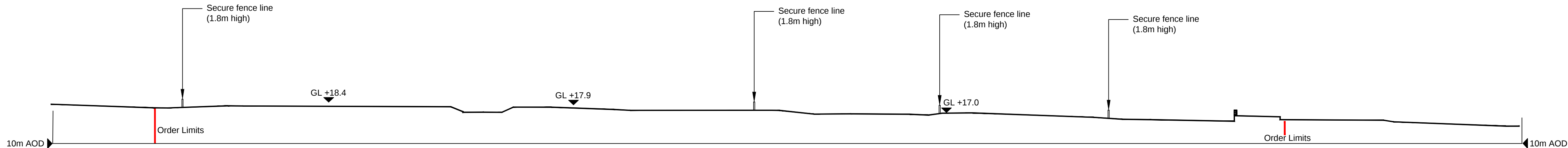
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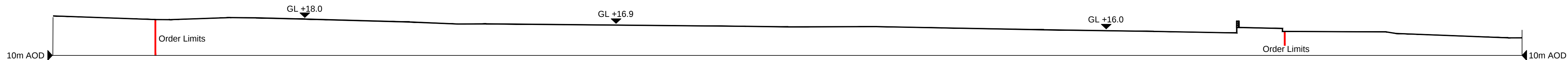




SECTION B - Existing
1:500



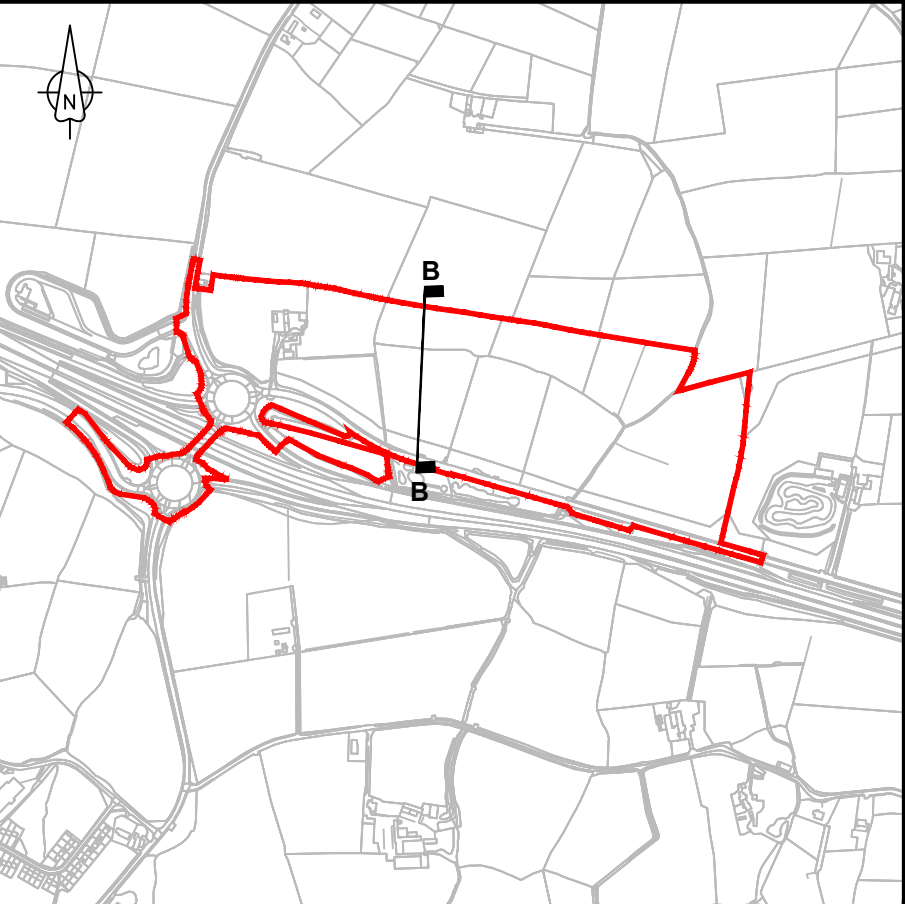
SECTION B - Proposal
1:500



SECTION B - Reinstatement
1:500

Atgynhychwyd o fapiau'r Arolwg Ordans gyda chaniatâd Rheolwr Llyfrfa Ei Mawrhydi © Hawlfraint y Goron. Mae atgynhychu heb ganiatâd yn torri hawlfraint y Goron a gallech gael eich erlyn neu gallai achos sifil gael ei ddwyn yn eich erbyn. Rhif Trwydded yr Arolwg Ordans 100051118.

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SITE SECTION LOCATION PLAN
Not To Scale

NOTES

1. All levels are in metres Above Ordnance Datum(AOD).

LEGEND

- Order limits
- Ground line
- GL Ground Level
- AOD Above Ordnance Datum

2.0	OCT 2018	OCTOBER 2018 AMENDMENTS	HNPWL	HNPWL	HNPWL
1.0	MARCH 2018	FOR DCO SUBMISSION	HNPWL	HNPWL	HNPWL
Rev	Rev. Date	Purpose of revision	Drawn	Checked	Apprv'd

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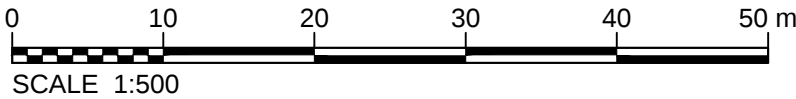
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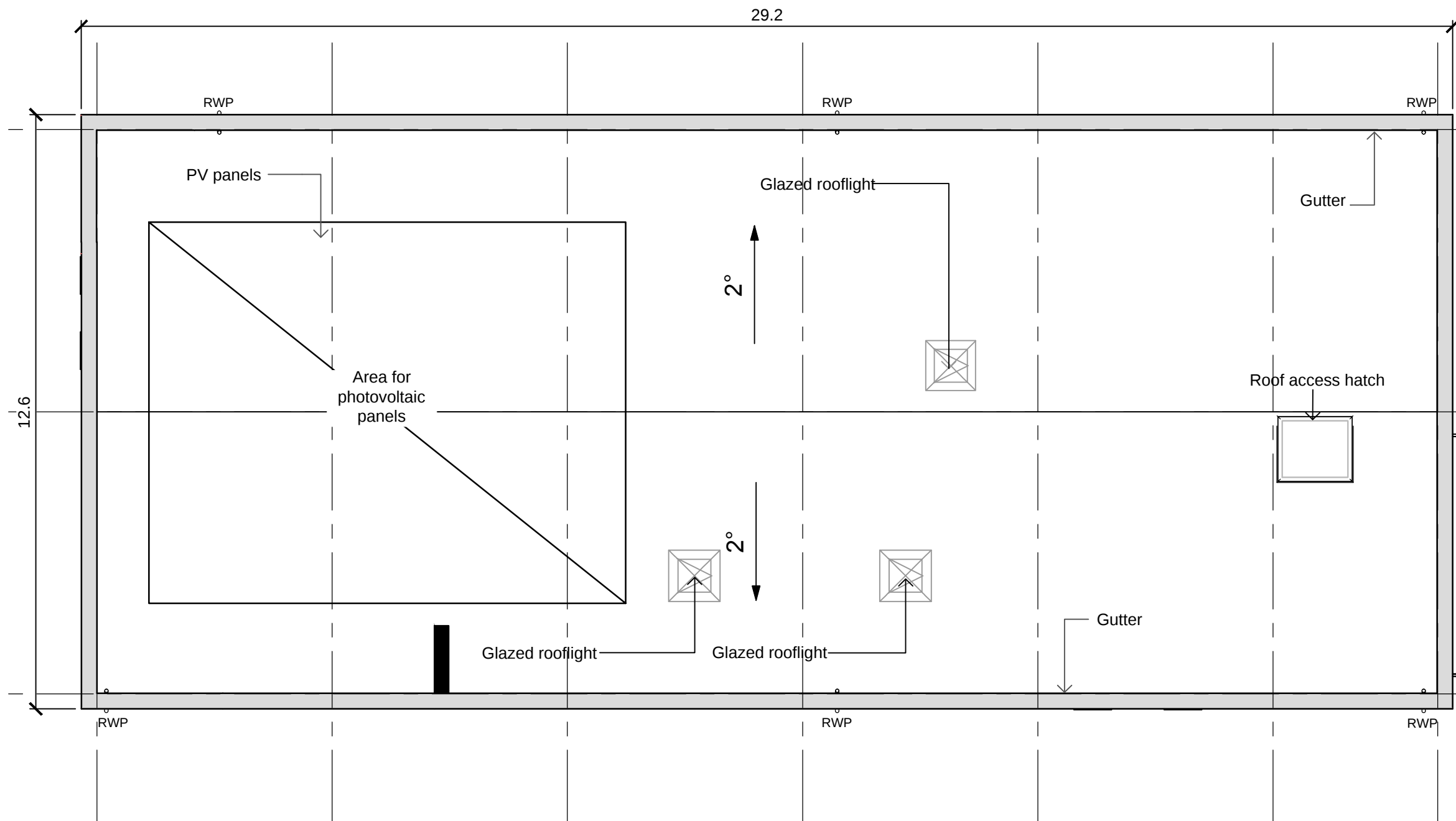
Project
**WYLFA NEWYDD
DCO PROJECT**

Drawing Title
**PARK AND RIDE - DALAR HIR
EXISTING AND PROPOSED
SITE CROSS SECTIONS
SHEET 3**

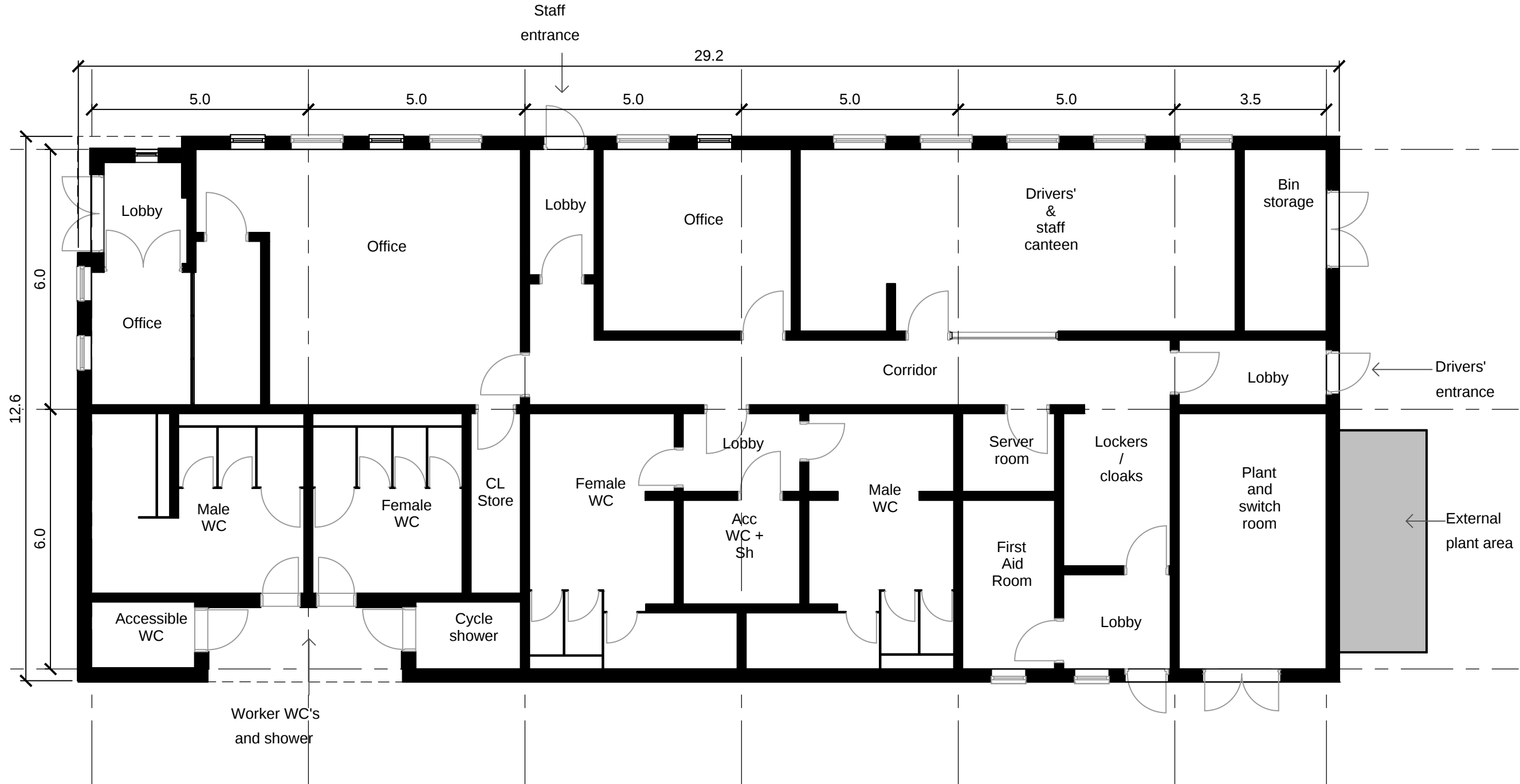
Regulation 5 (2) (o)

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Drawing Number	WN0902-HZDCO-ADV-DRG-00043				Rev 2.0

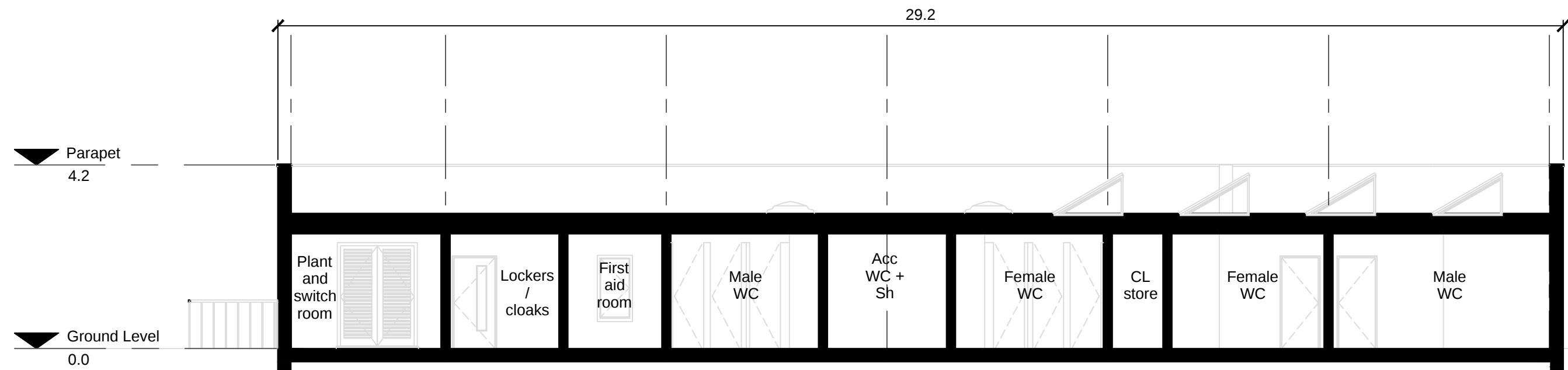




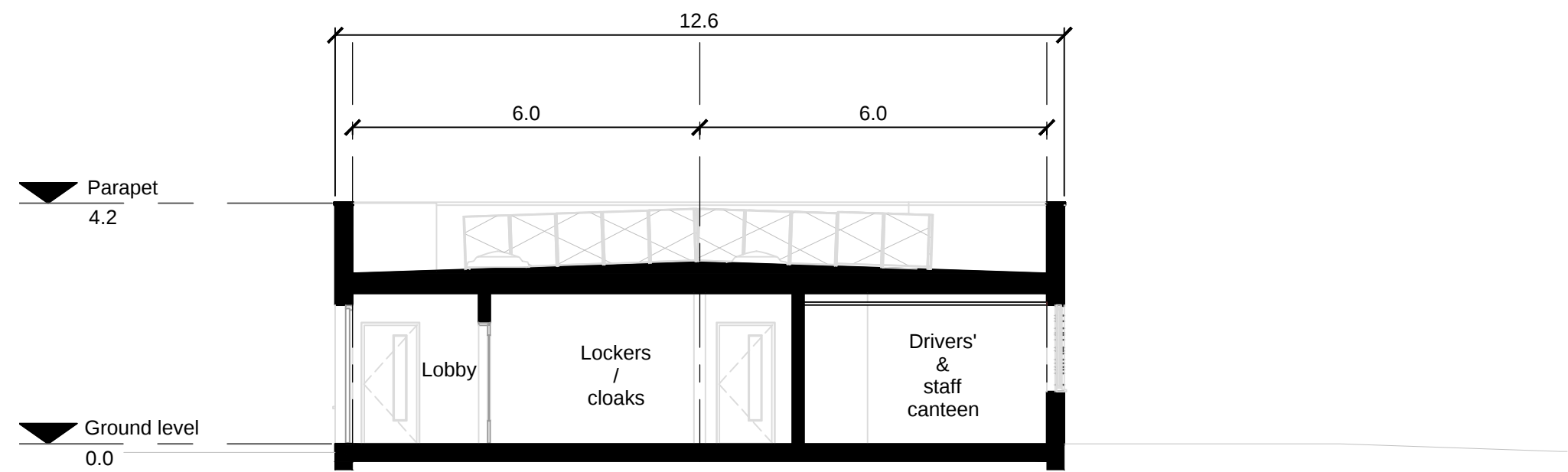
1 ROOF PLAN LAYOUT
1:100



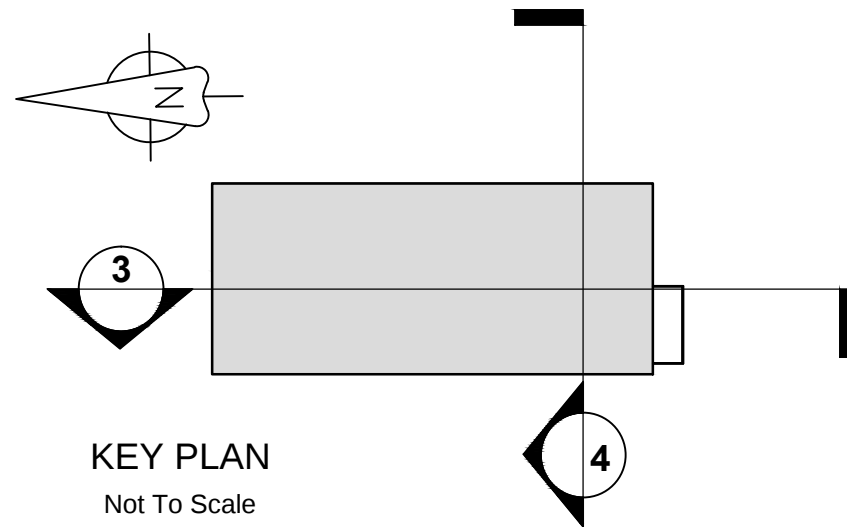
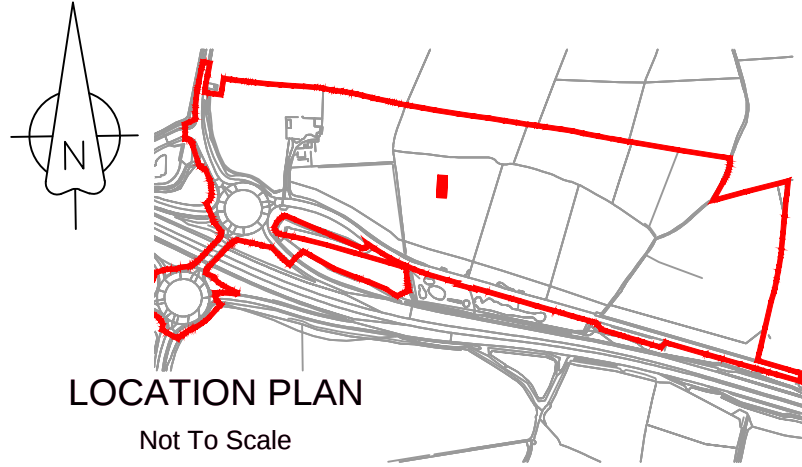
2 GROUND FLOOR LAYOUT
1:100



3 LONG SECTION LAYOUT
1:100



4 SHORT SECTION LAYOUT
1:100



- NOTES
- All levels are in metres unless noted otherwise.
 - All dimensions are in metres unless noted otherwise.

- LEGEND
- Order limits
 - RWP Rain water pipe

1.0	MARCH 2018	FOR DCO SUBMISSION	HNPWL	HNPWL	HNPWL
Rev	Rev. Date	Purpose of revision	Drawn	Checked	Appr'd

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DCO PROJECT**

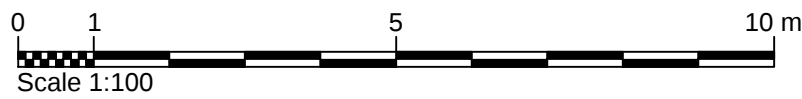
Drawing Title
**PARK AND RIDE - DALAR HIR
BUS TRANSPORT FACILITY BUILDING
PLANS AND SECTIONS**

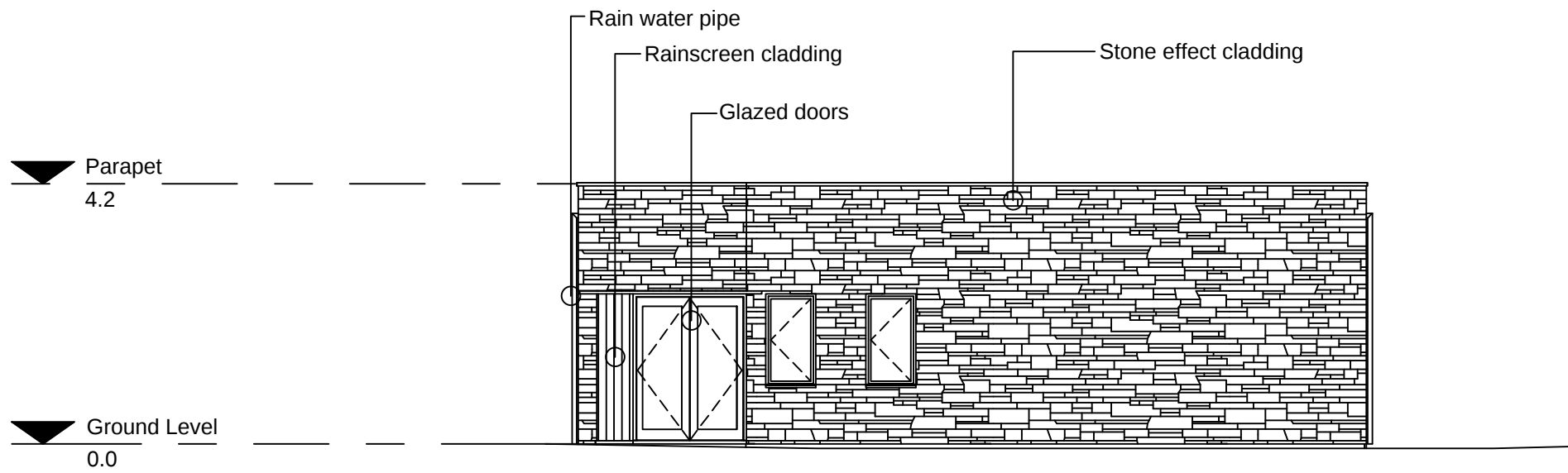
Regulation 5 (2) (o)

Security Status
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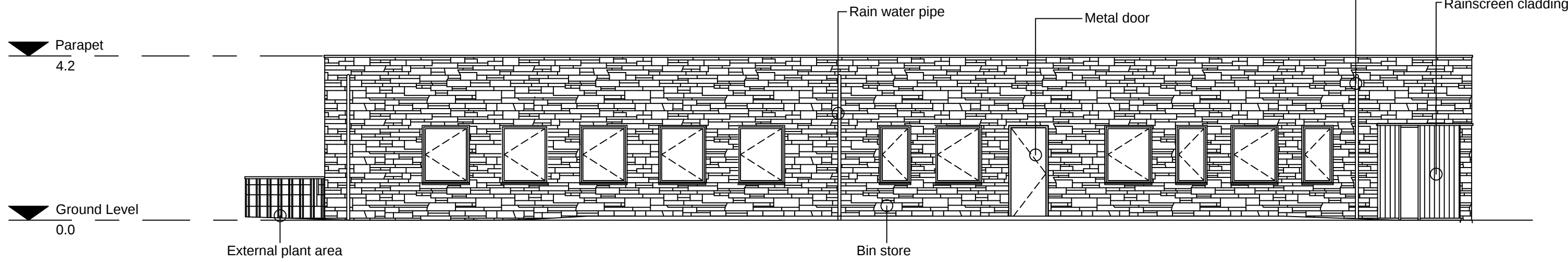
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Drawing Number	WN0902-HZDCO-ADV-DRG-00044	Rev	1.0
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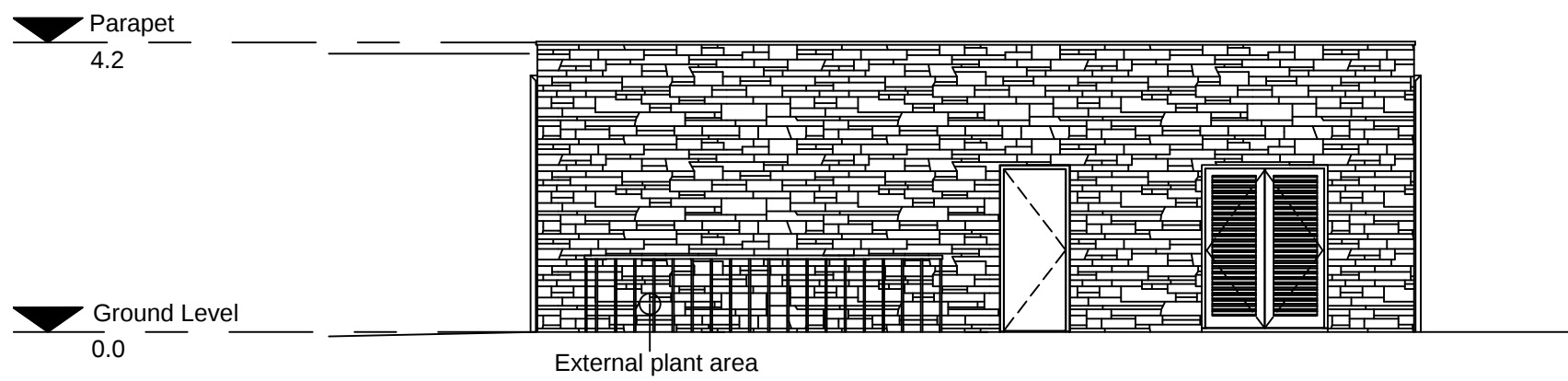




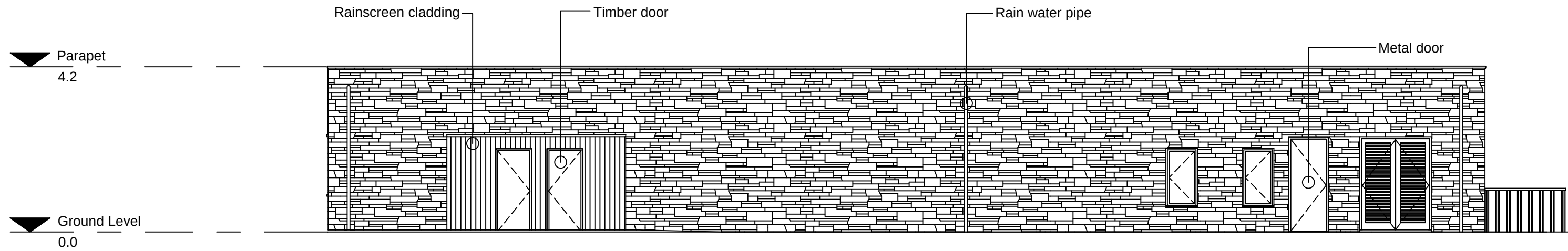
1 BUS TRANSPORT FACILITY BUILDING NORTH ELEVATION
1:100



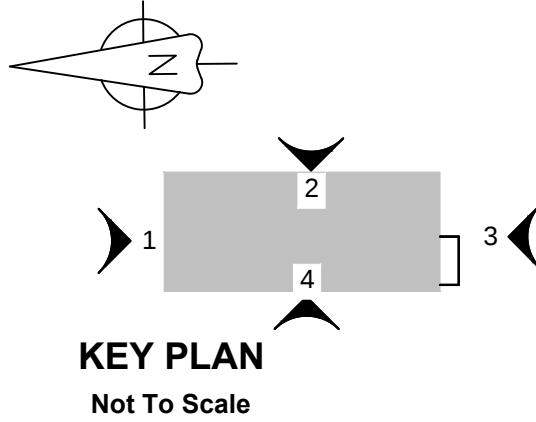
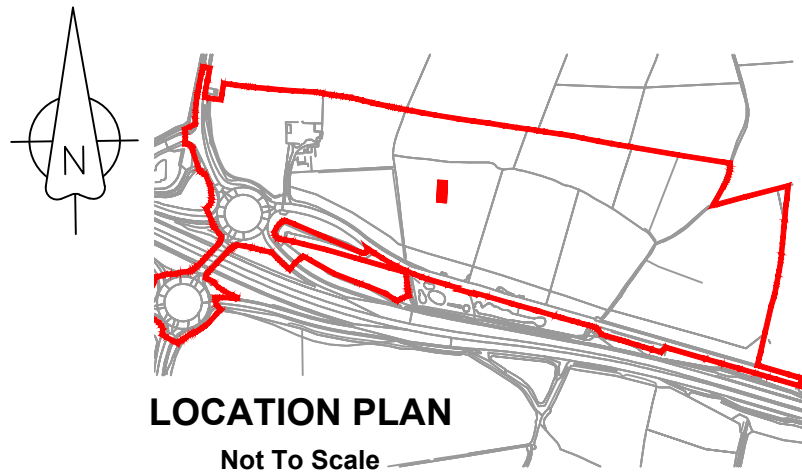
2 BUS TRANSPORT FACILITY BUILDING EAST ELEVATION
1:100



3 BUS TRANSPORT FACILITY BUILDING SOUTH ELEVATION
1:100



4 BUS TRANSPORT FACILITY BUILDING WEST ELEVATION
1:100



NOTES

1. All levels are in metres unless noted otherwise.

LEGEND

Order limits

1.0	MARCH 2018	FOR DCO SUBMISSION	HNPWL	HNPWL	HNPWL
Rev	Rev. Date	Purpose of revision	Drawn	Checked	Apprv'd

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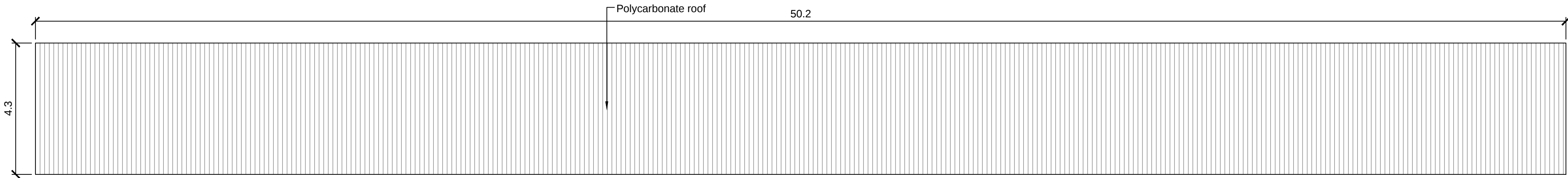
Project
WYLFA NEWYDD
DCO PROJECT

Drawing Title
PARK AND RIDE - DALAR HIR
BUS TRANSPORT FACILITY BUILDING
ELEVATIONS

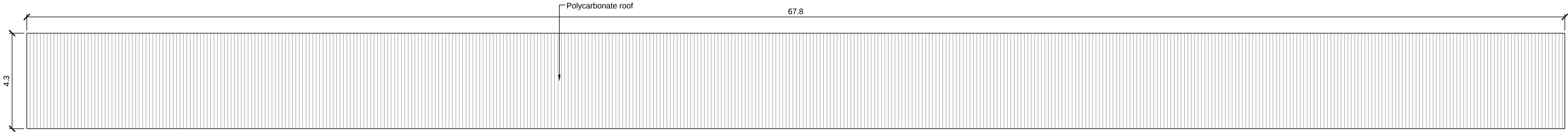
Regulation 5 (2) (o)

Security Status
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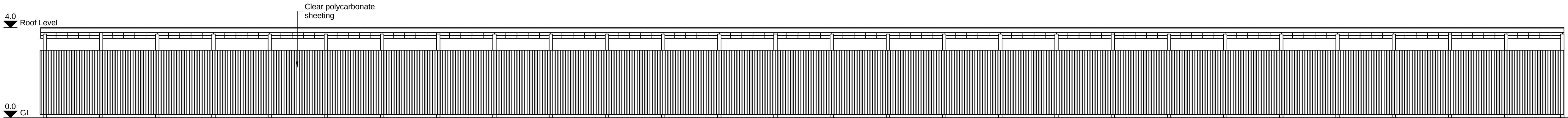
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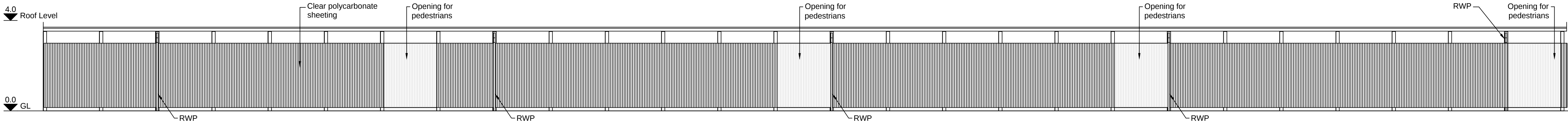
1 BUS SHELTER TYPE 1 ROOF PLAN
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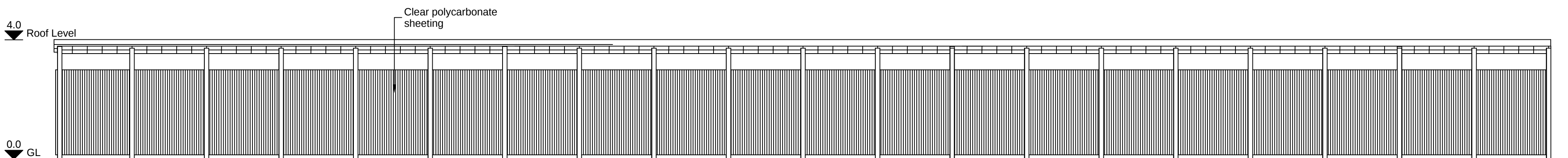
2 BUS SHELTER TYPE 2 ROOF PLAN
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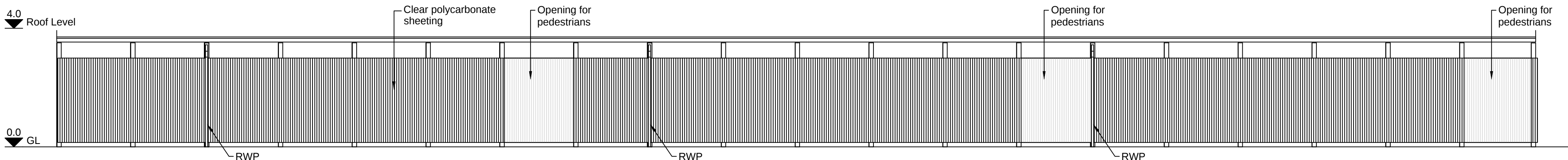
3 BUS SHELTER TYPE 2 EAST ELEVATION
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4 BUS SHELTER TYPE 2 WEST ELEVATION
1:100



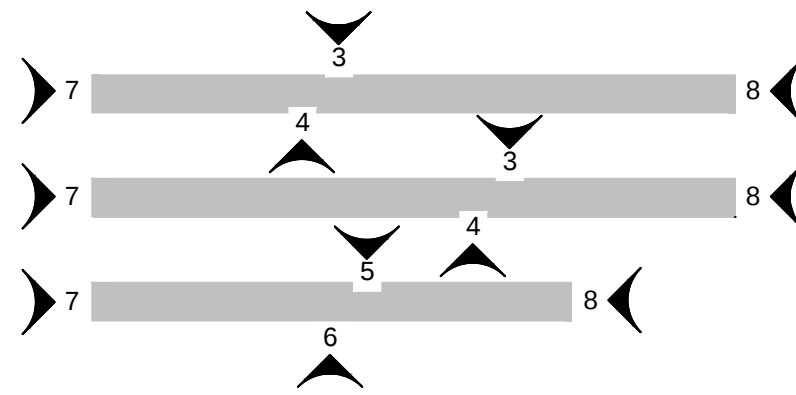
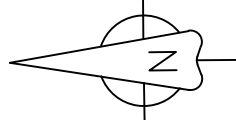
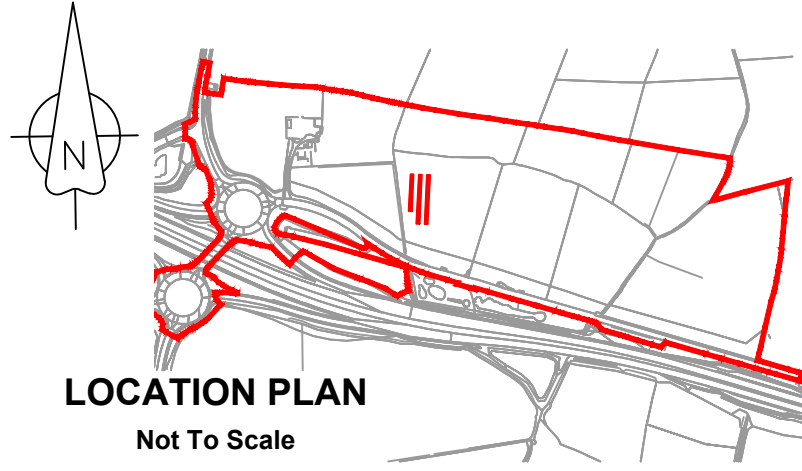
5 BUS SHELTER TYPE 1 EAST ELEVATION
1:100



6 BUS SHELTER TYPE 1 WEST ELEVATION
1:100

Atgynhychwyd o fapiau'r Arolwg Ordans gyda chaniatâd Rheolwr Llyfrfa Ei Mawrhydi © Hawlfraint y Goron. Mae atgynhychu heb ganiatâd yn torri hawlfraint y Goron a gallech gael eich erlyn neu gallai achos sifil gael ei ddwyn yn eich erbyn. Rhif Trwydded yr Arolwg Ordans 100051118.

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KEY PLAN
Not To Scale

NOTES

- All dimensions are in metres unless noted otherwise.
- All levels are in metres unless noted otherwise.

LEGEND

- Order limits
- GL Ground Level
- RWP Rain water pipe

1.0	MARCH 2018	FOR DCO SUBMISSION	HNPWL	HNPWL	HNPWL
Rev	Rev. Date	Purpose of revision	Drawn	Checked	Apprv'd

FOR APPROVAL

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NUCLEAR POWER

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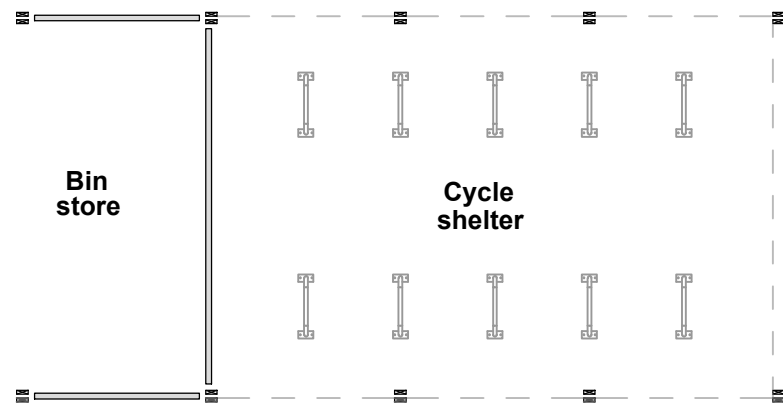
Project
**WYLFA NEWYDD
DCO PROJECT**

Drawing Title
**PARK AND RIDE - DALAR HIR
BUS SHELTERS
ROOF PLAN AND ELEVATIONS**

Regulation 5 (2) (o)

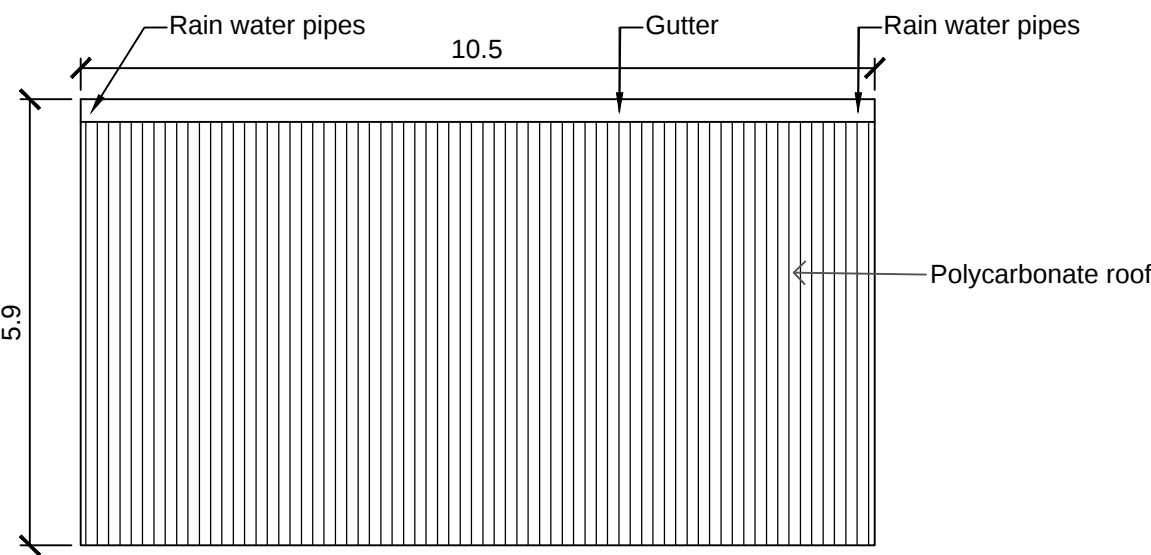
Security Status
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Drawing Number	WN0902-HZDCO-ADV-DRG-00046				Rev 1.0



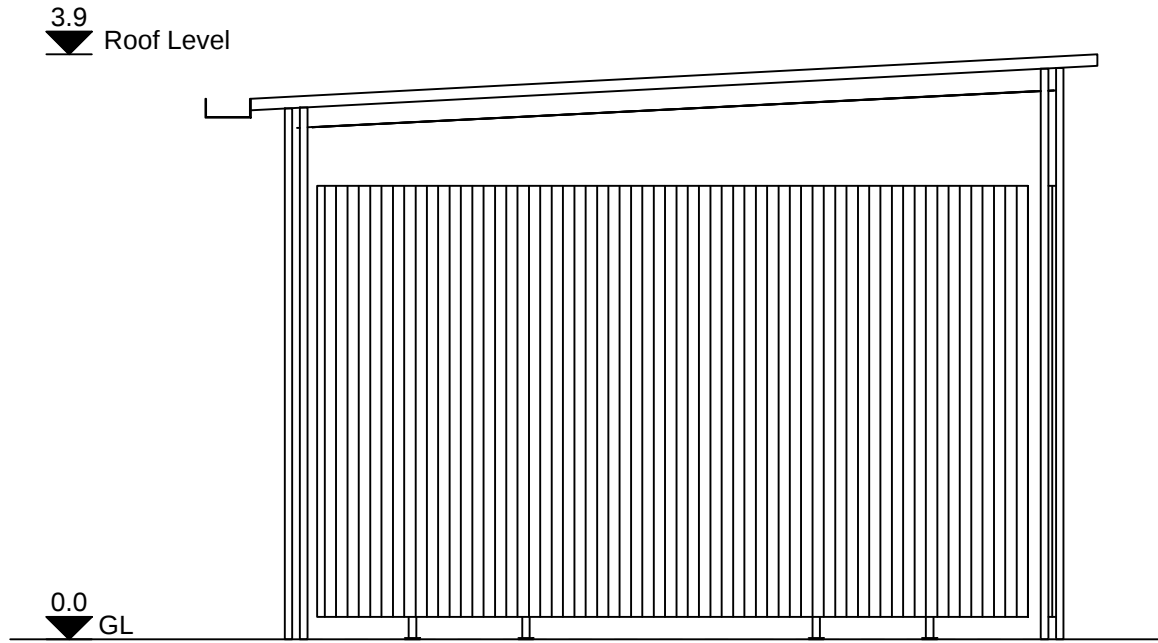
CYCLE SHELTER AND BIN STORE
GROUND FLOOR LAYOUT

1:100



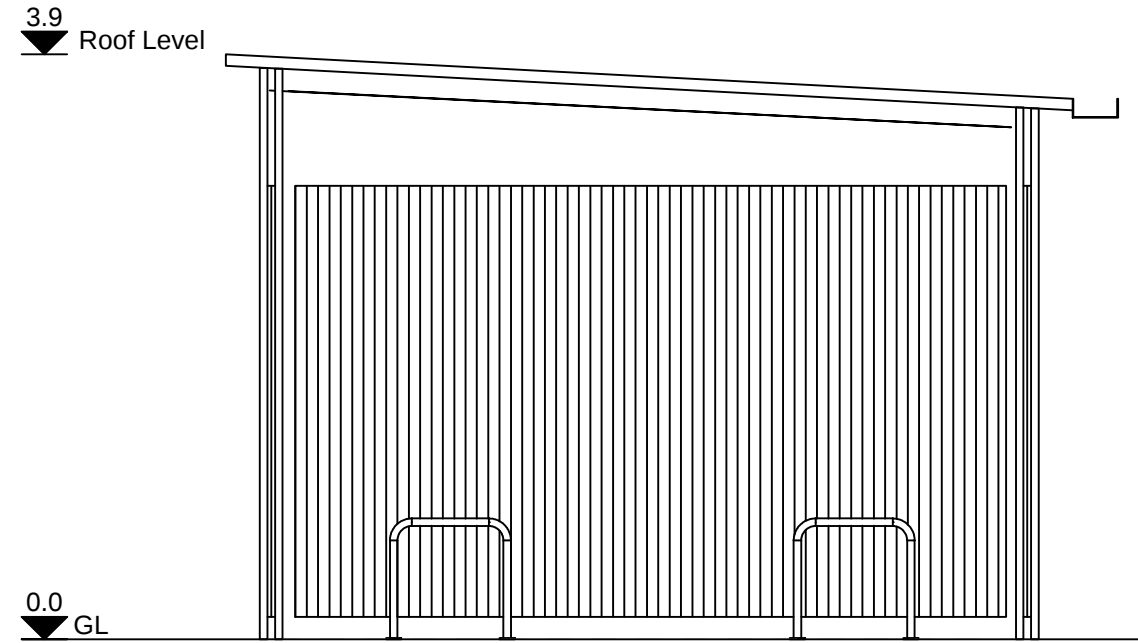
CYCLE SHELTER AND BIN STORE
ROOF LAYOUT

1:100



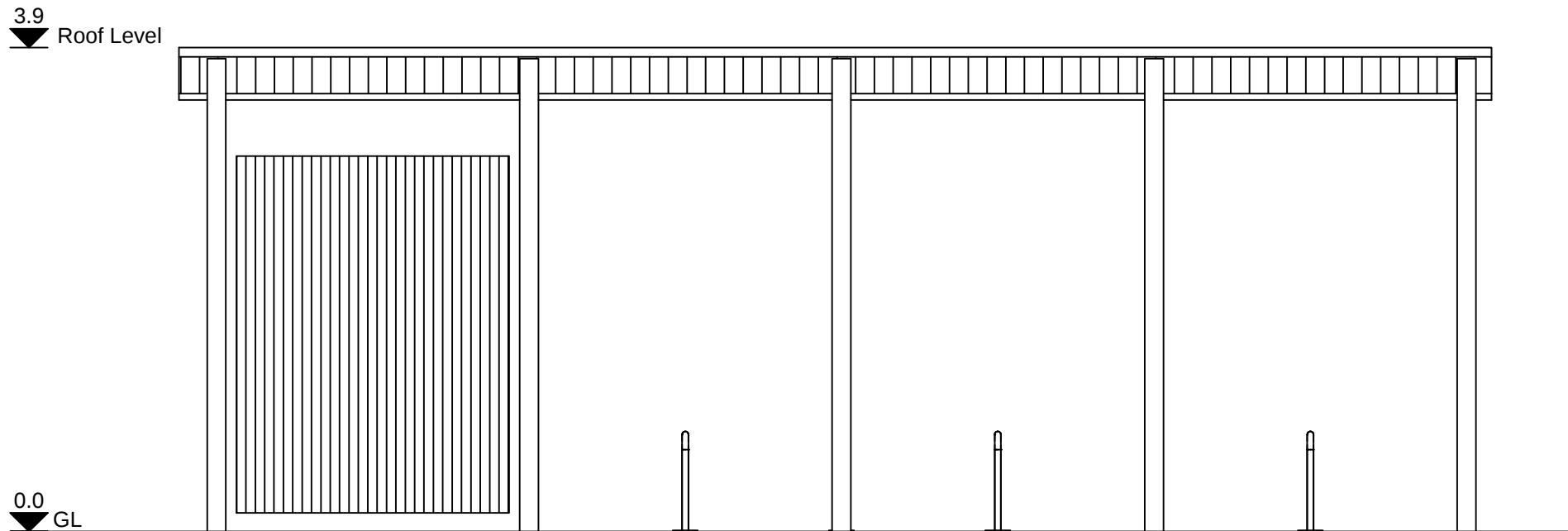
CYCLE SHELTER NORTH ELEVATION

1:50



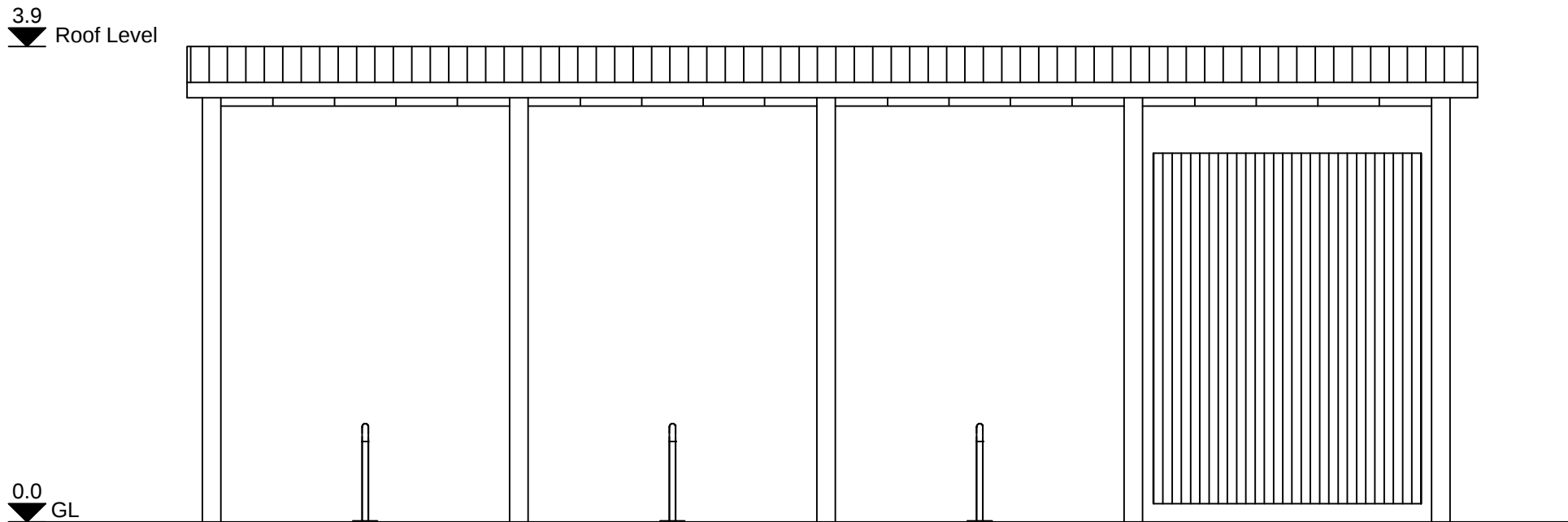
CYCLE SHELTER SOUTH ELEVATION

1:50



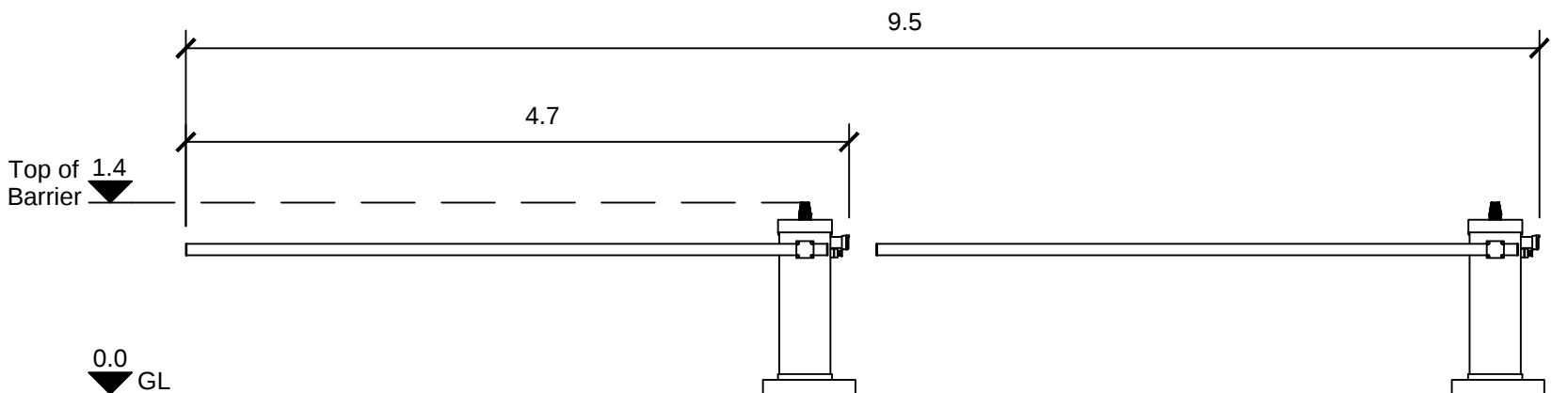
CYCLE SHELTER WEST ELEVATION

1:50



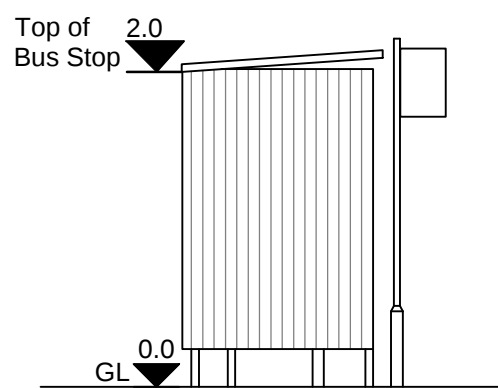
CYCLE SHELTER EAST ELEVATION

1:50



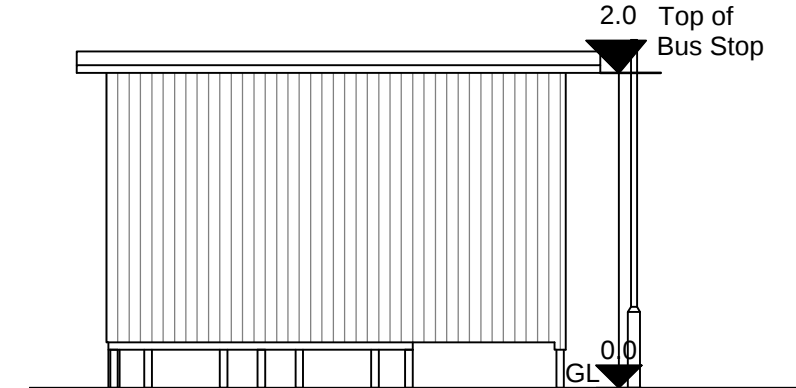
VEHICLE BARRIER ELEVATION

1:50



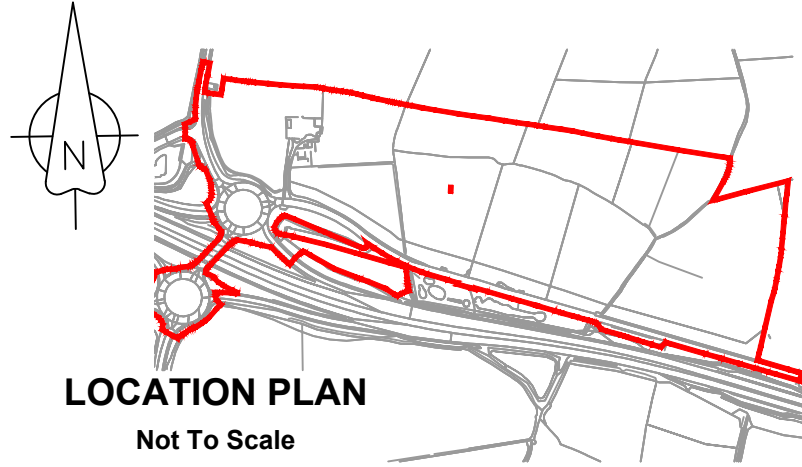
BUS STOP ELEVATION 1

1:50

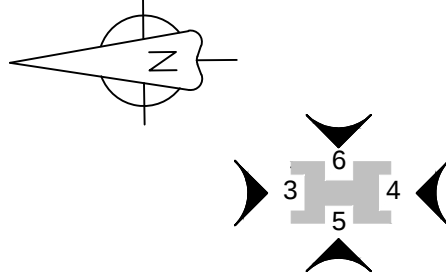


BUS STOP ELEVATION 2

1:50



LOCATION PLAN
Not To Scale



KEY PLAN
Not To Scale

NOTES

- All dimensions are in metres unless noted otherwise.
- All levels are in metres unless noted otherwise.

LEGEND

- Order limits
- GL Ground Level

1.0	MARCH 2018	FOR DCO SUBMISSION	HNPWL	HNPWL	HNPWL
Rev	Rev. Date	Purpose of revision	Drawn	Checked	Apprv'd

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HORIZON
NUCLEAR POWER

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WYLFA NEWYDD
DCO PROJECT

PARK AND RIDE - DALAR HIR
MISCELLANEOUS BUILDINGS AND
STRUCTURES

Regulation 5 (2) (o)

Security Status
NOT PROTECTIVELY MARKED

Scale	As Shown	Sheet Size	A1	Sheet(s)	1 of 1
Drawing Number	WN0902-HZDCO-ADV-DRG-00047				Rev

1.0

