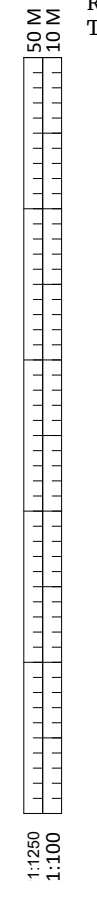




 SITE RED LINE BOUNDARY

Notes
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2023/00285/RG3

Rev	Description	Date	By	Chk
P01	ISSUE FOR PLANNING	09/03/2023	YA	CMcN

Revisions Suitability

Project

**ST RICHARD GWYN
 SECONDARY SCHOOL**

Client

VALE OF GLAMORGAN

Title

**PLANNING ISSUE -
 SITE LOCATION PLAN**

Drawing No. Revision

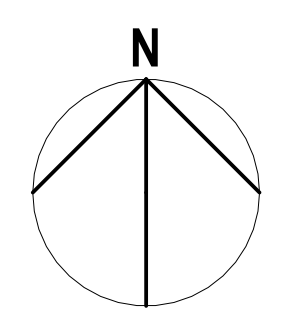
SRG-HLM-XX-00-DR-L-0011 P01

Scale Drawn

1 : 1250 @A1 YA

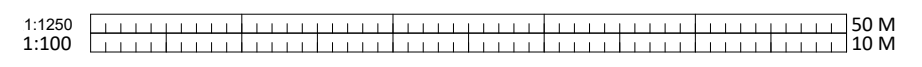
Date Checked

24/02/2023 CMcN



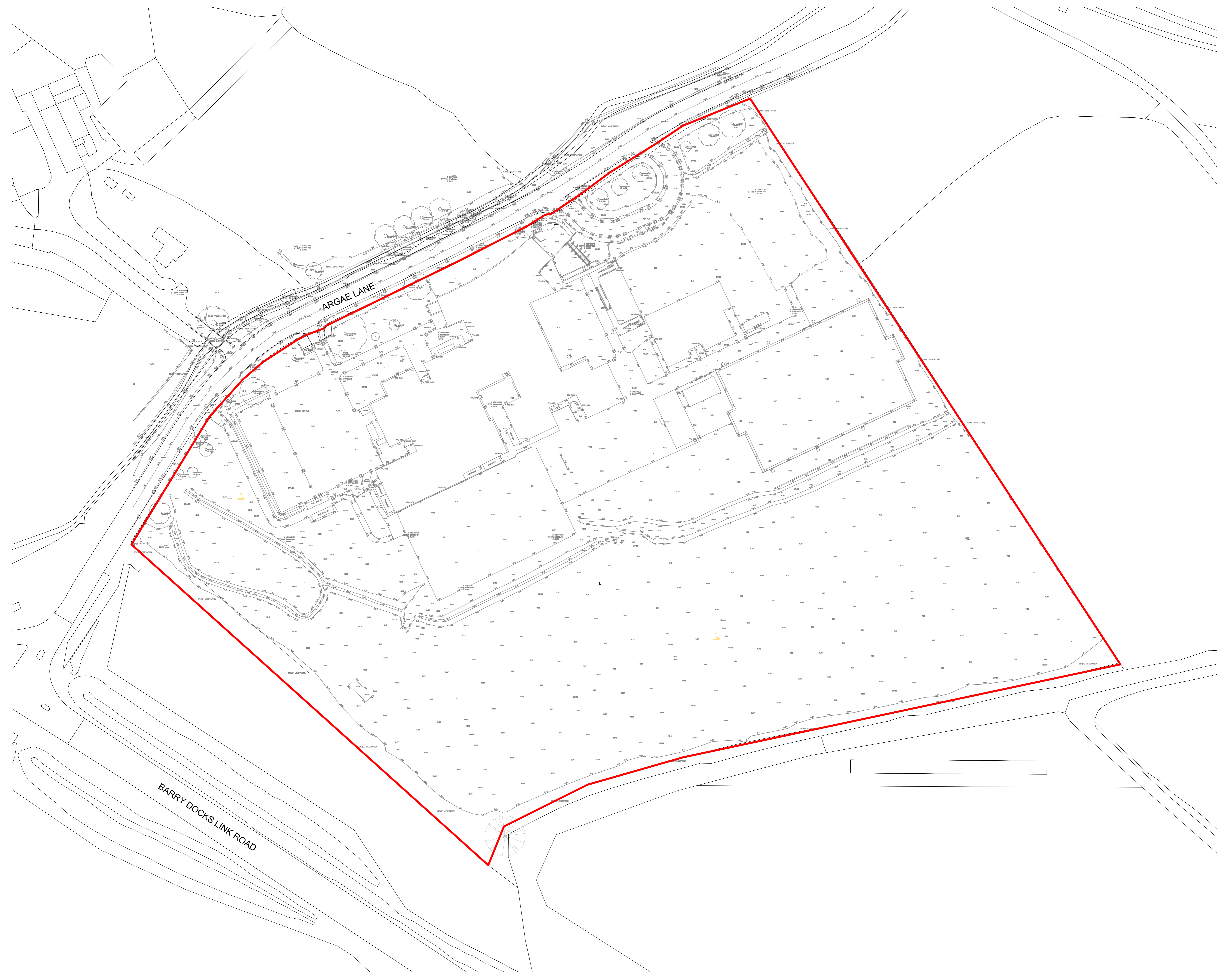
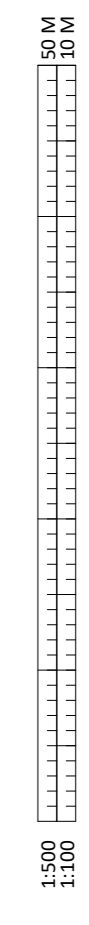
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— SITE RED LINE BOUNDARY

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2023/00285/RG3

Issue For Planning	09/02/2023	YA
Rev	Description	Date
Revisions		By
Project		Suitability

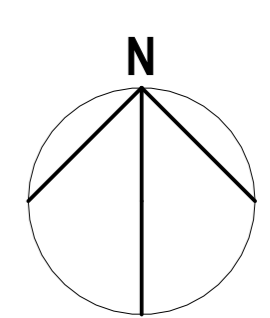
**ST RICHARD GWYN
SECONDARY SCHOOL**

Client
VALE OF GLAMORGAN

Title
**PLANNING ISSUE -
EXISTING SITE PLAN**

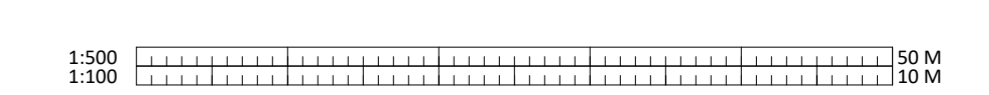
Drawing No.	Revision
SRG-HLM-XX-00-DR-L-0012	P01

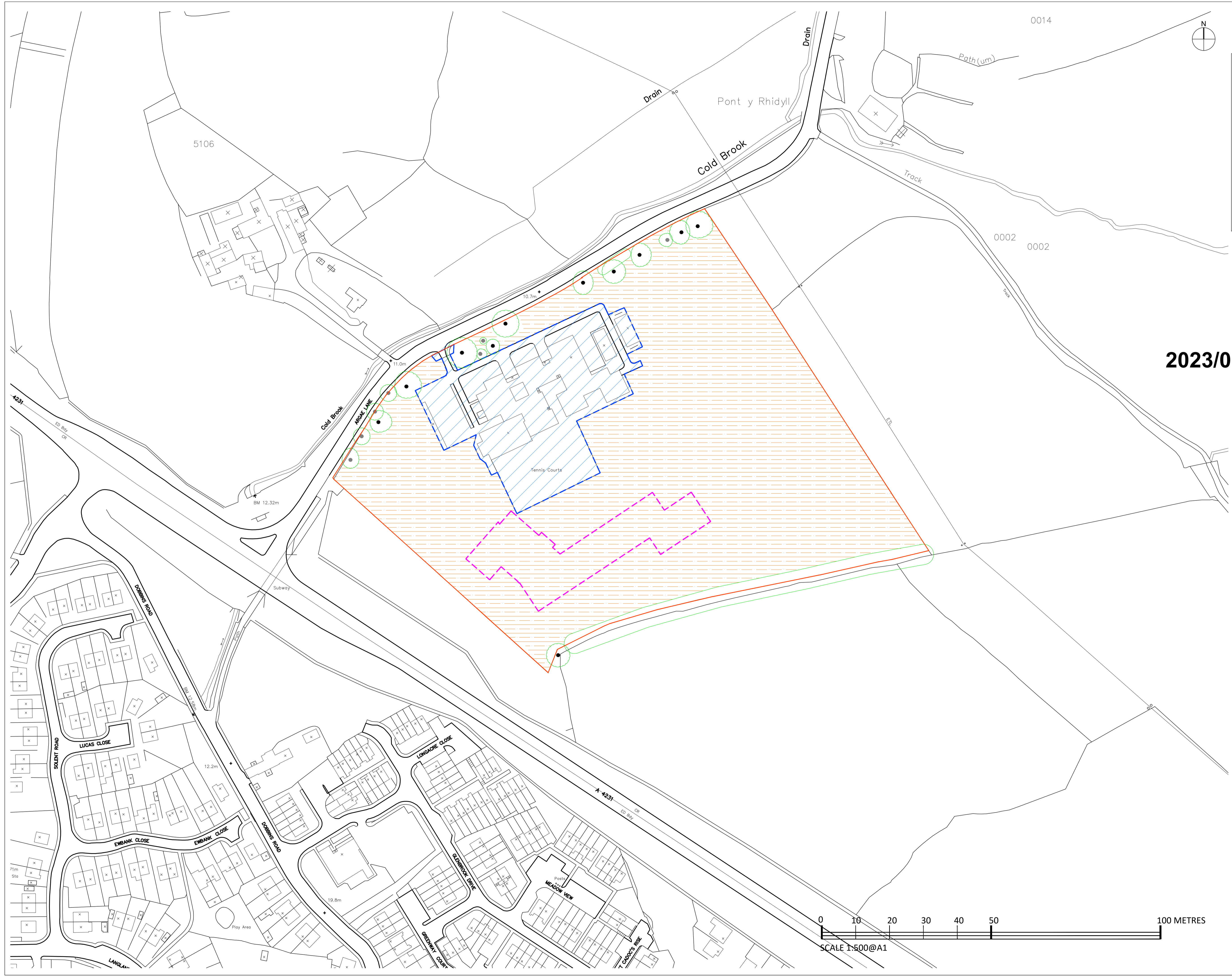
Scale	Drawn
1 : 500 @A0	YA
Date	Checked
24/02/2023	CMcN



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LEGEND:

- SITE BOUNDARY (FOR REFERENCE) REFER TO SITE LOCATION PLAN FOR REDLINE BOUNDARY
- LOCATION OF NEW SCHOOL BUILDING (FOR REFERENCE)
- EXISTING SCHOOL BUILDING AND ASSOCIATED GROUNDS, TO BE MAINTAINED AS OPERATIONAL WHILE THE NEW SCHOOL BUILDING IS CONSTRUCTED AND TO BE DEMOLISHED ON COMPLETION OF CONSTRUCTION OF THE NEW SCHOOL
- EXISTING GENERAL SCHOOL GROUNDS AND PLAYING FIELDS- TO BE REDEVELOPED AS PART OF THE NEW SCHOOL GROUNDS
- EXISTING TREES TO BE RETAINED AND PROTECTED DURING THE CONSTRUCTION WORKS- PLEASE REFER TO DRAWING- SRG-HLM-00-00-D-L-0004 'TREE PROTECTION PLAN'

2023/00285/RG3

P02	ISSUED FOR PLANNING	09/03/2023	HV	CM/N
P01	ISSUED FOR CONSULTATION	24/01/2023	HLM	HLM
Rev	Description	Date	By	Chk

Revisions	Suitability
Project	

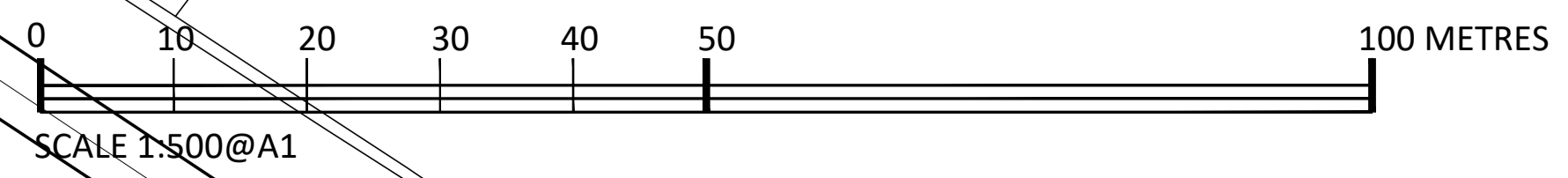
ST RICHARD GWYN SECONDARY SCHOOL

Client
VALE OF GLAMORGAN

Title
SITE DEMOLITION

Drawing No.	Revision
SRG-HLM-XX-00-DR-L-0009	P02

Scale	Drawn
1 : 500 @A1	HLM
Date	Checked
24/01/23	HLM



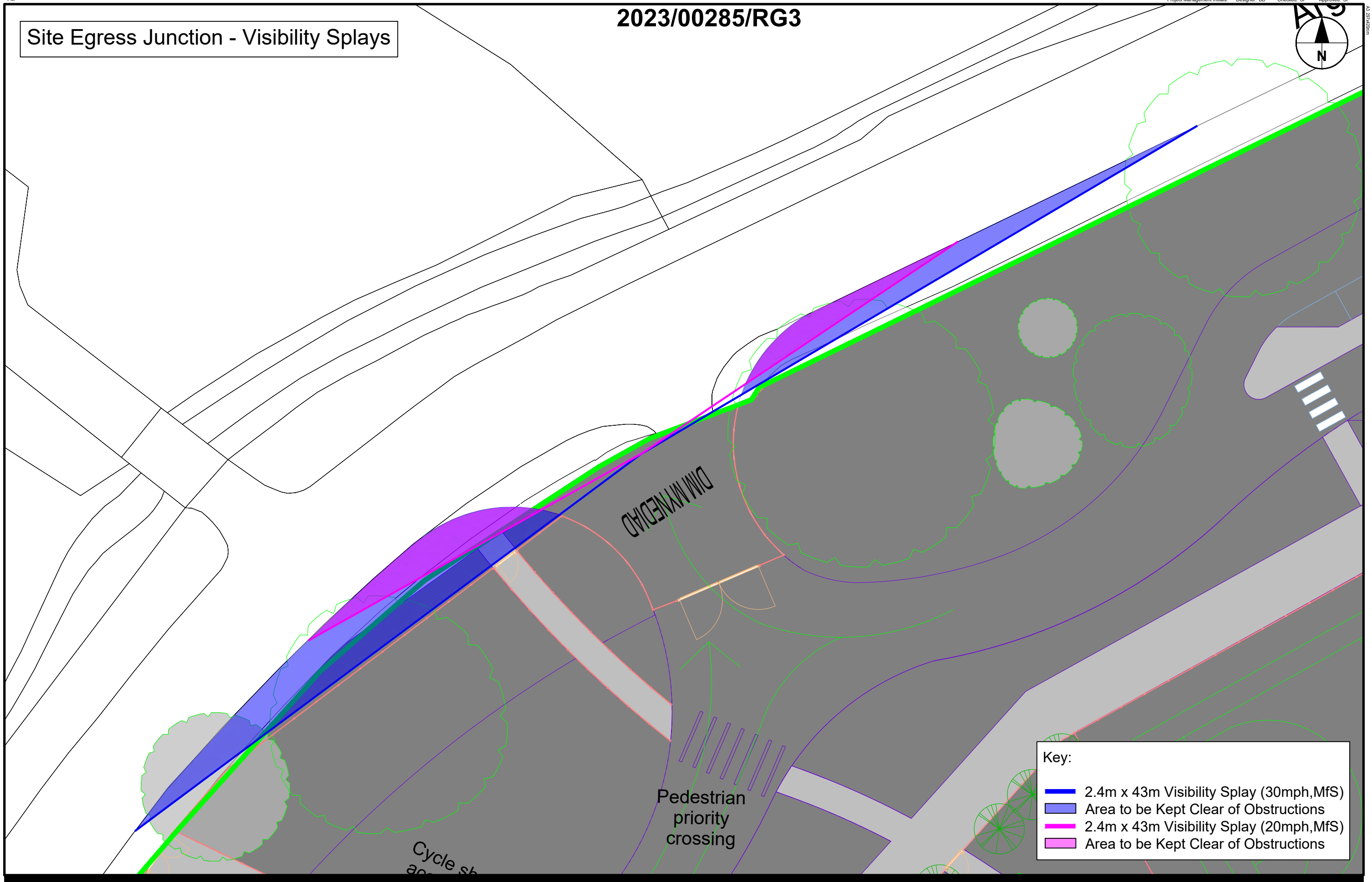
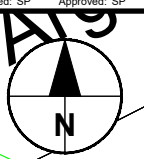
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Site Egress Junction - Visibility Splays

2023/00285/RG3



Key:

- 2.4m x 43m Visibility Splay (30mph, MfS)
- Area to be Kept Clear of Obstructions
- 2.4m x 43m Visibility Splay (20mph, MfS)
- Area to be Kept Clear of Obstructions

St Richard Gwyn Catholic High School, Barry

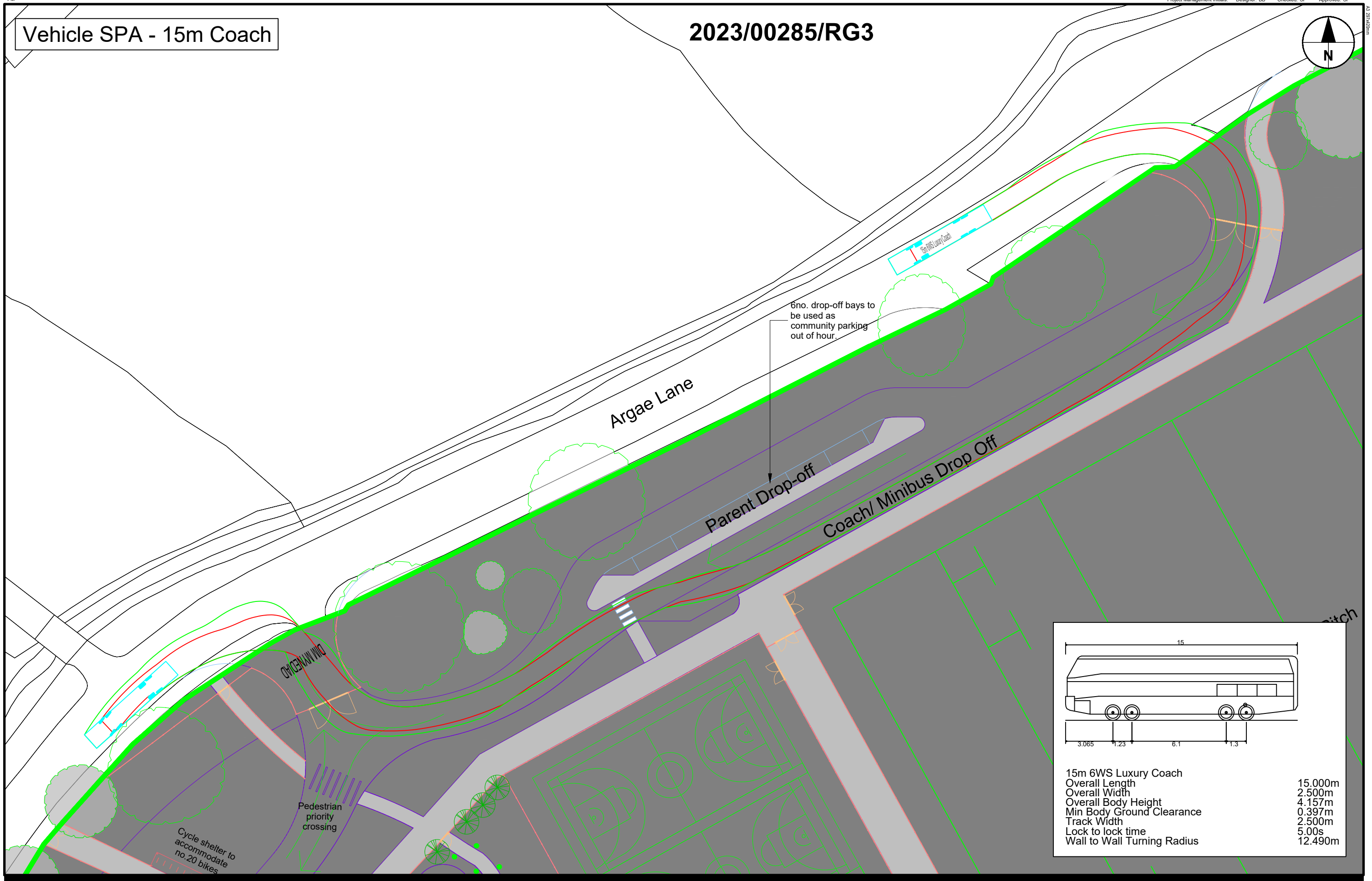
Transport Statement

FOR INFORMATION ONLY



Vehicle SPA - 15m Coach

2023/00285/RG3



15m 6WS Luxury Coach	
Overall Length	15.000m
Overall Width	2.500m
Overall Body Height	4.157m
Min Body Ground Clearance	0.397m
Track Width	2.500m
Lock to lock time	5.00s
Wall to Wall Turning Radius	12.490m

St Richard Gwyn Catholic High School, Barry

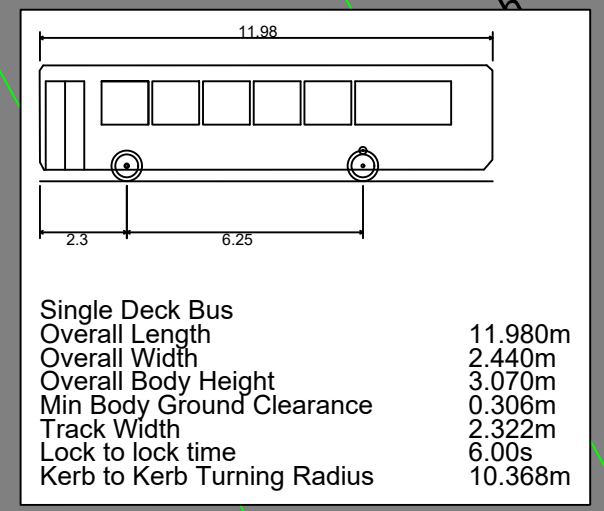
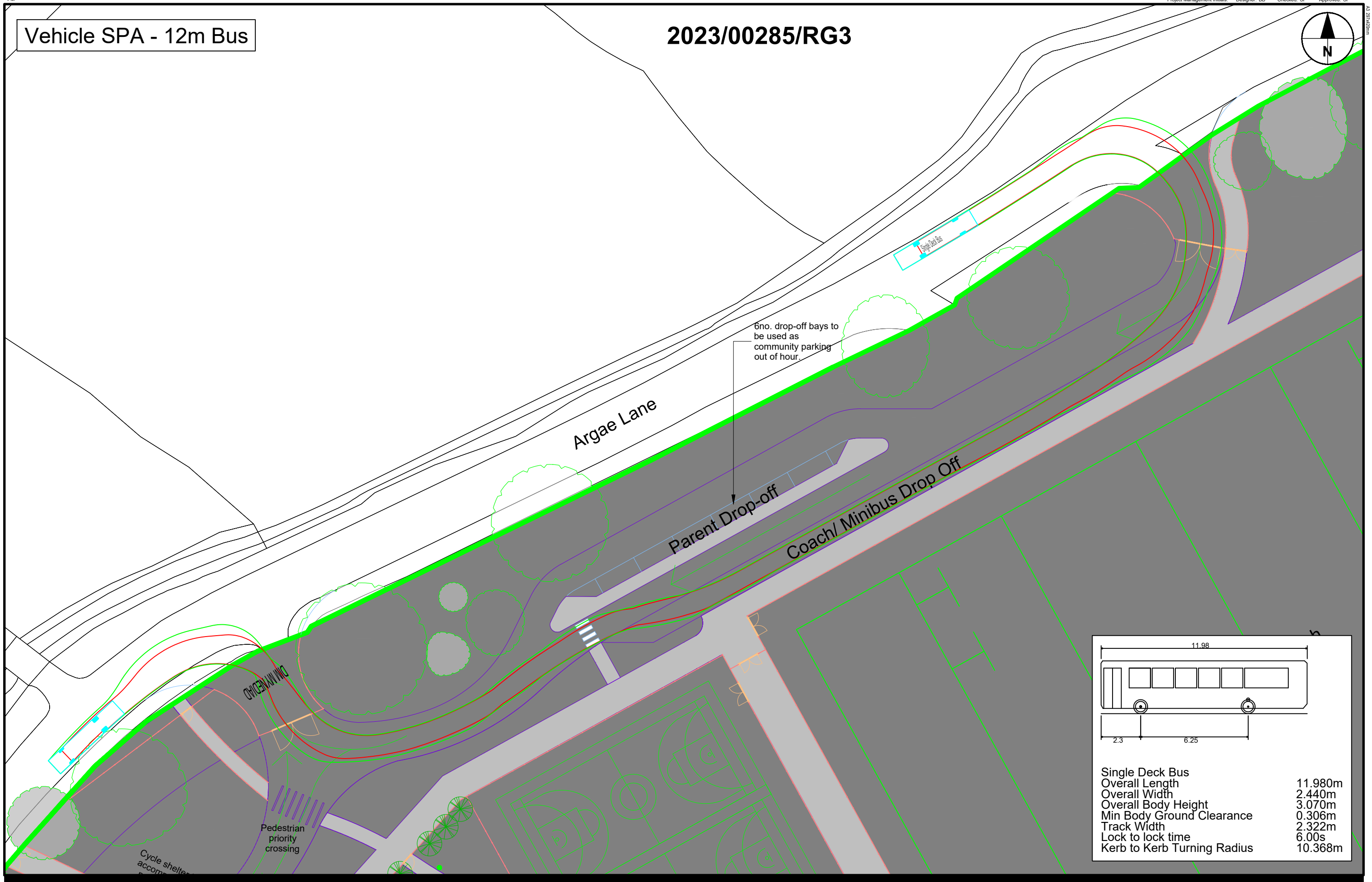
Transport Statement

FOR INFORMATION ONLY



Vehicle SPA - 12m Bus

2023/00285/RG3



St Richard Gwyn Catholic High School, Barry

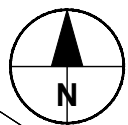
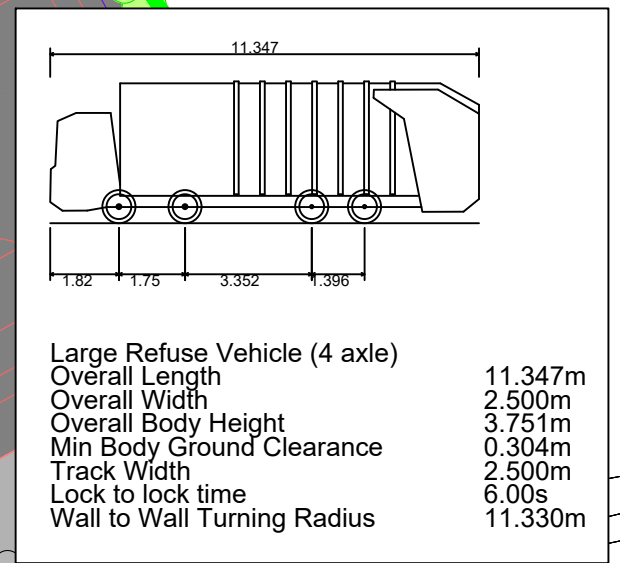
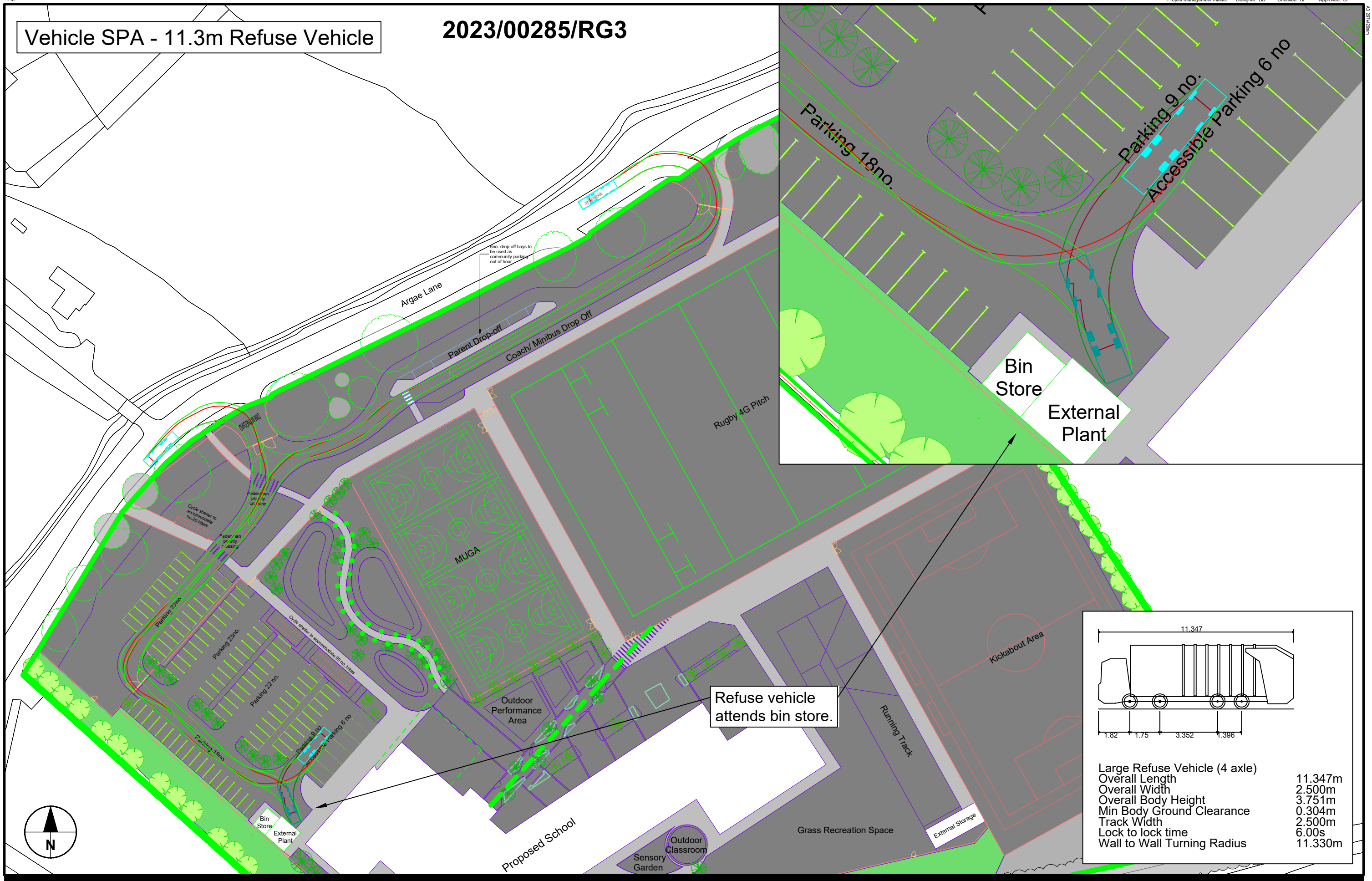
Transport Statement

FOR INFORMATION ONLY



Vehicle SPA - 11.3m Refuse Vehicle

2023/00285/RG3



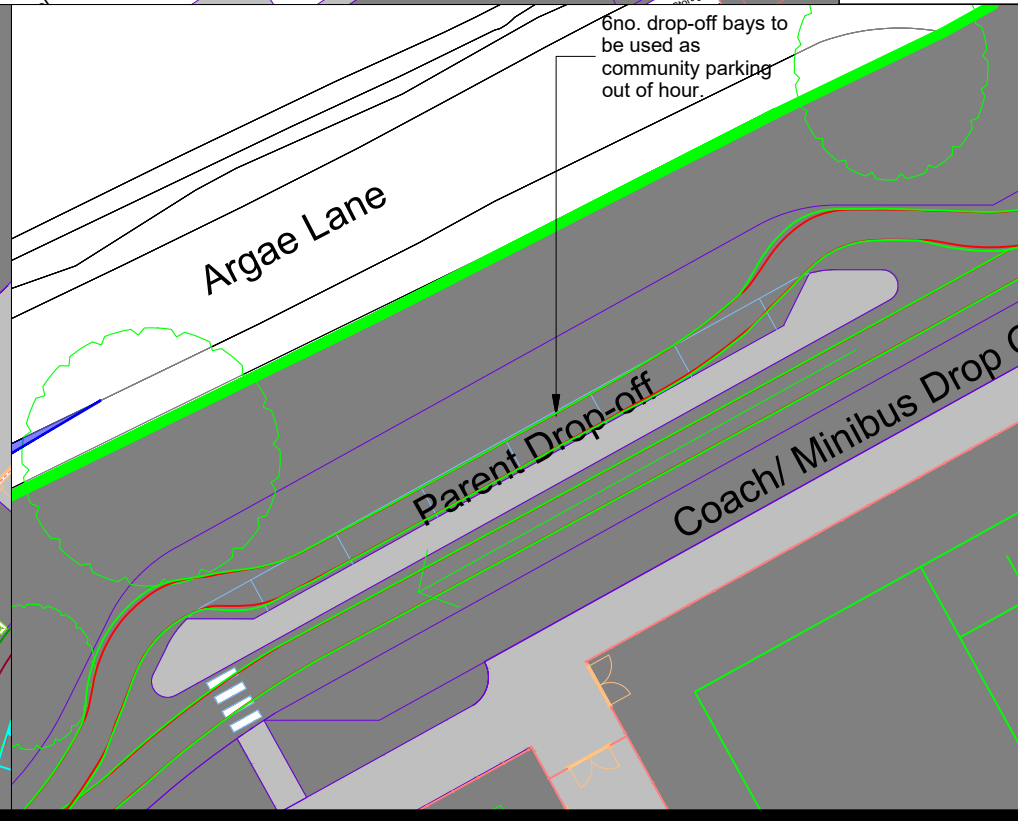
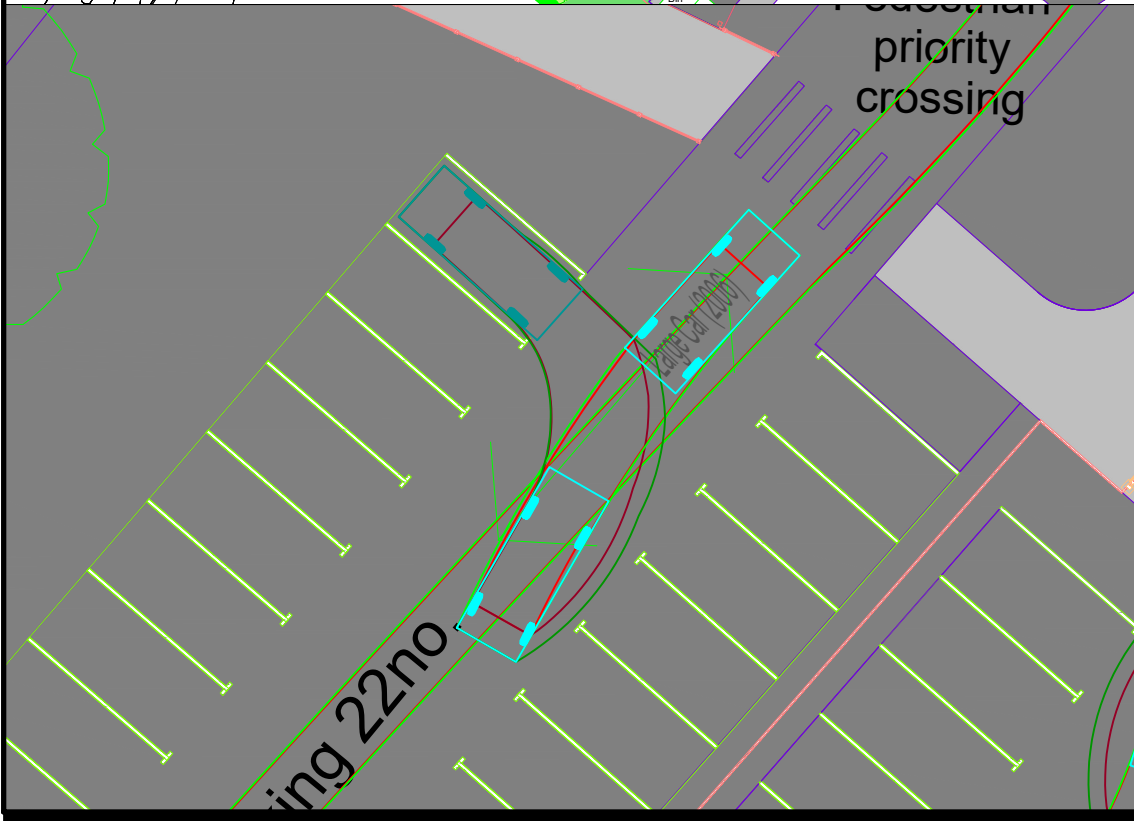
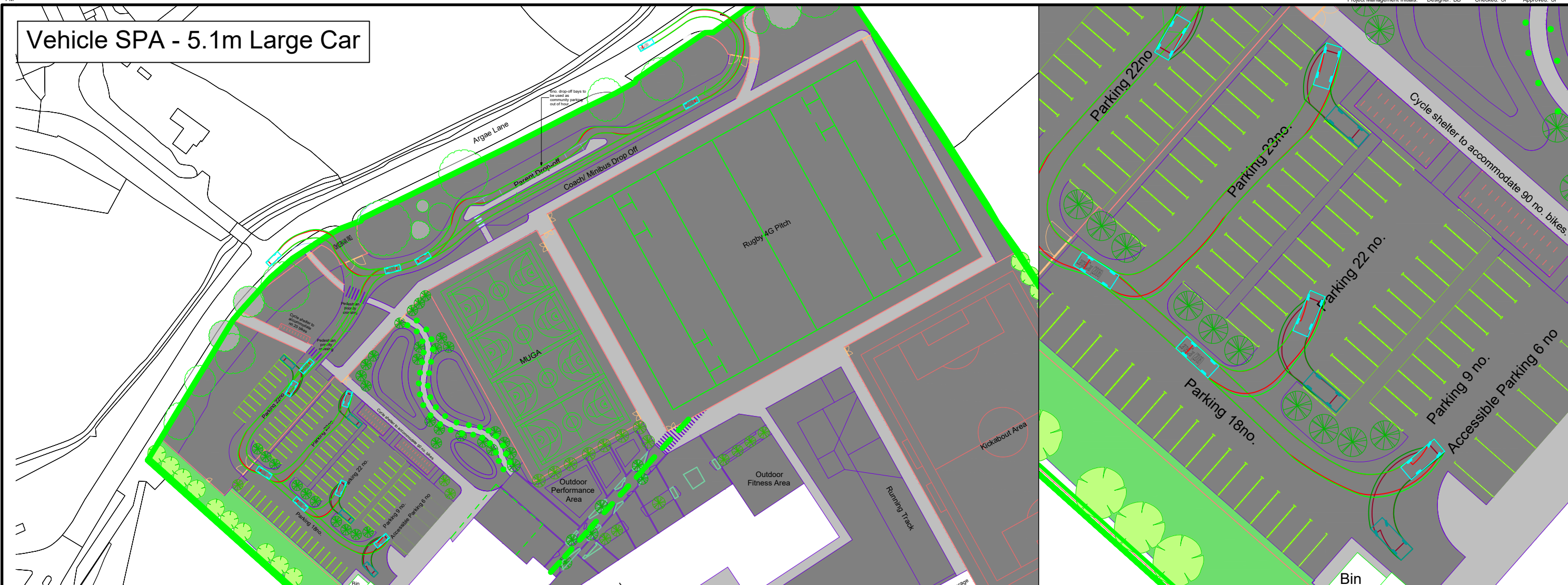
St Richard Gwyn Catholic High School, Barry

Transport Statement

FOR INFORMATION ONLY

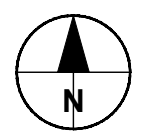


Vehicle SPA - 5.1m Large Car



2023/00285/RG3

Large Car (2006)	
Overall Length	5.079m
Overall Width	1.872m
Overall Body Height	1.525m
Min Body Ground Clearance	0.310m
Max Track Width	1.831m
Lock to lock time	4.00s
Kerb to Kerb Turning Radius	5.900m



General Arrangement Plan - Site Access

2023/00285/RG3

'School keep clear' TRO road markings to be provided (in yellow) across junction frontage.

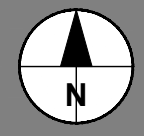
10m Kerb Radii


Dim stopio
 Llun - Gwe
8.00 - 9.30am
2.30 - 4.00pm
 ar farciau'r fynedfa

No stopping
 Mon - Fri
8.00 - 9.30am
2.30 - 4.00pm
 on entrance markings

'No stopping' signage to be installed on the highway to prevent blocking during peak times.

NOTE - All placement / wording of signage to be agreed with the Highway Authority at the appropriate stage.



St Richard Gwyn Catholic High School, Barry

Site Access - General Arrangement

FOR INFORMATION ONLY



General Arrangement Plan - Site Egress

2023/00285/RG3

'School keep clear' TRO road markings to be provided (in yellow) across junction frontage.

KEEP CLEAR
YSGOL CADWCH-YN-GLIR
SCHOOL TOGSOL
TOOHOS


Dim stopio
 Llun - Gwe
8.00 - 9.30am
2.30 - 4.00pm
 ar farciau'r
 fynedfa

No stopping
 Mon - Fri
8.00 - 9.30am
2.30 - 4.00pm
 on entrance
 markings

10m Kerb Radii

'No-Entry' road markings and signage to be positioned either side of the exit junction to inform vehicles on Argae Lane.

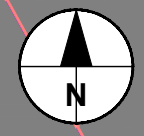
NO ENTRY
DIM MMYNEDIAD

'No stopping' signage to be installed on the highway to prevent blocking during peak times.

Pedestrian
priority
crossing

Cycle shelter to
accommodate
no.20 bikes

NOTE - All placement / wording of signage to be agreed with the Highway Authority at the appropriate stage.



St Richard Gwyn Catholic High School, Barry

Site Access - General Arrangement

FOR INFORMATION ONLY





2023/00285/RG3

- KEY:**
- INTERNAL SECURE LINE FENCING
2.4m High Weld Mesh
 - HIGH SECURE LINE/BOUNDARY WELDMESH FENCE
2.4m High Fence with appropriate visibility
 - SPORT GRADE FENCE TO SPORT ENGLAND STANDARD
3.0m High Weld Mesh with Rebound Panel
 - HIGH TIMBER FENCE
1.2m high timber fence with associated maintenance gate
 - TIMBER GUARDRAIL
0.5m high
 - DOUBLE LEAF VEHICLE AND PEDESTRIAN GATE
Size to be confirmed with Engineer
 - DOUBLE LEAF GATE
3.0m Wide Gate
 - SINGLE LEAF GATE
1.5m Wide Gate

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Rev	Description	Date	By	Suitability
PO4	REVISED LAYOUT AS PER PLANNING COMMENTS	13/12/2023	HV	
PO3	PARENT DROP-OFF ADDED AS PER PLANNING COMMENT	17/11/2023	HV	
PO2	AMENDMENTS TO HIGHWAYS, SWALES AND PLANTING INFO	11/09/2023	VF	
PO1	ISSUE FOR PLANNING	09/03/2023	YA	

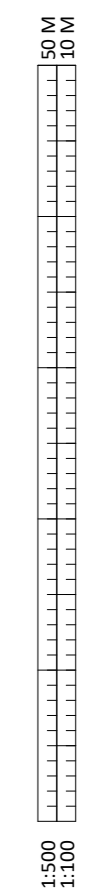
**ST RICHARD GWYN
SECONDARY SCHOOL**

Client
VALE OF GLAMORGAN

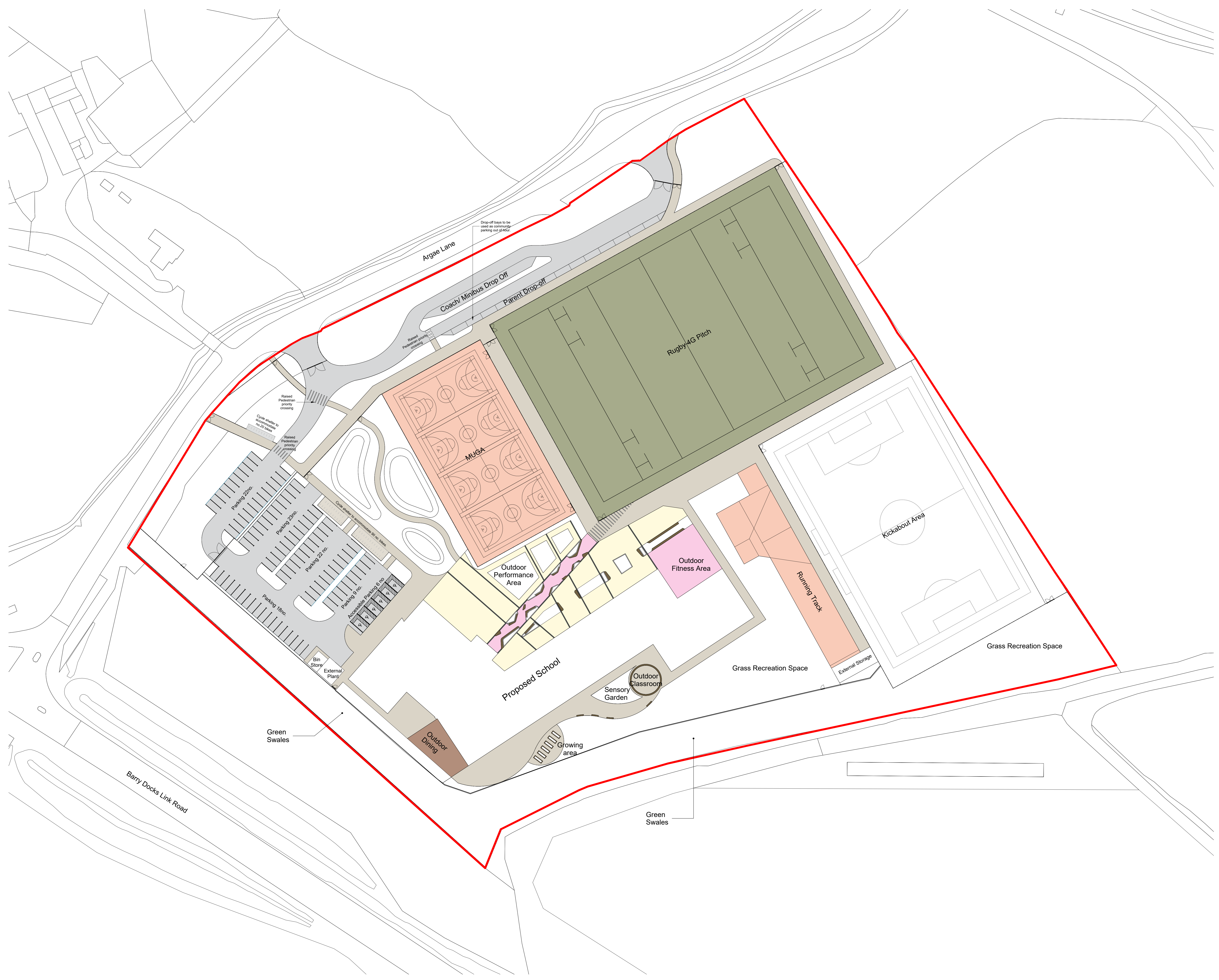
Title
**PLANNING ISSUE -
LANDSCAPE
BOUNDARY
TREATMENT PLAN**

Drawing No: SRG-HLM-XX-00-DR-L-0015 Revision: PO4

Scale	Drawn
1 : 500 @A0	AC
Date	Checked
25/08/2023	CMcN



- HARD LANDSCAPE**
- VEHICULAR GRADE ASPHALT**
 - PERMEABLE PAVING TO SOCIAL AREA**
Pedestrian & MEWP grade
Permeable concrete block paving
 - EXTERNAL DECK**
Composite timber decking to external dining area
 - PERMEABLE ASPHALT PAVING**
Pedestrian & MEWP Grade
 - 4G ARTIFICIAL GRASS PITCH**
 - PERMEABLE SPORTS SURFACING**
To MUGA surface
 - PERMEABLE FEATURE PAVING TO SOCIAL AREA**
Pedestrian & MEWP Grade
Concrete block paving
 - RAISED VEGETABLE PLANTERS**
Timber
 - RAISED PLANTER**
Ornamental planting bed
 - LIGHTING**
To be reviewed
 - LIGHTING STRIP**
To be reviewed



2023/00285/RG3

PO4	REVISED LAYOUT AS PER PLANNING COMMENTS	13/12/2023	HV
PO3	PARENT DROP-OFF ADDED AS PER PLANNING COMMENT	17/11/2023	HV
PO2	AMENDMENTS TO HIGHWAYS, SWALES AND PLANTING INFO	11/09/2023	VT
PO1	ISSUE FOR PLANNING	09/03/2023	VA

ST RICHARD GWYN SECONDARY SCHOOL

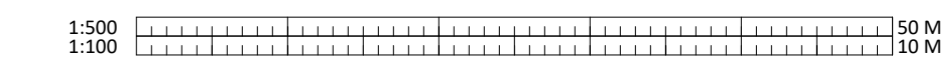
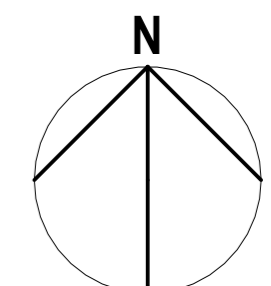
Client
VALE OF GLAMORGAN

Title
PLANNING ISSUE - HARD LANDSCAPE STRATEGY

Drawing No.
 SRG-HLM-XX-00-DR-L-0017

Revision
 PO4

Scale	Drawn
1 : 500 @A0	AC
Date	Checked
25/08/2023	CMcN





- SOFT LANDSCAPE**
- EXISTING TREES AND VEGETATION**
To be retained and protected. Refer to drawing SRG-HLM-XX-00-D-L-0014 for tree protection plan.
 - PROPOSED TREES**
Heavy standard and multi-stem trees. Note that exact tree locations may be subject to change due to underground services coordination. Proposed trees to have root barrier protection as required to protect hard standing services.
Planting palette to include:
Acer campestre 'Streetwise'
Alnus glutinosa
Amenlaeher (amarckii)
Betula pendula
Carpinus betulus
Pinus spines
Prunus avium
Quercus robur
Tilia cordata
 - MITIGATION TREE PLANTING**
Extra Heavy standard and multi-stem trees.
Planting palette to include:
Acer Campestre
Alnus glutinosa
Betula Pendula
Corylus avellana
Crataegus monogyna
Populus Tremula
Sorbus Aucuparia
 - MITIGATION HEDGE PLANTING**
To be planted at a height of 900-1200mm. At a density of 5Nt per metre in a double staggered row.
Species to include:
Acer campestre
Betula pendula
Corylus avellana
Crataegus monogyna
Eunymnus europaeus
Ilex aquifolium
Prunus spinosa
Rosa rugosa 'Alba'
Rosa rugosa 'Rubra'
Viburnum opulus
 - UNDERSTOREY PLANTING**
To be planted at a height of 900-1200mm at 1Nt plant per m2.
Species to include:
Acer campestre
Carpinus betulus
Corylus avellana
Crataegus monogyna
Eunymnus europaeus
Prunus spinosa
Rhamnus cathartica
Rosa canina
Sambucus nigra
Sorbus aucuparia
Viburnum opulus
 - PROPOSED ORNAMENTAL PLANTING**
To Social Space
To be planted with 300mm topsoil & 300mm loosened sub-soil. Low level ground cover planting to car park.
Planting palette to include:
Shrub
Ardus unedo
Hebe 'White Gem'
Magnolia x soulangeana
Pachysandra terminalis
Skimmia japonica 'Rubella'
Herbaceous Grasses
Calamagrostis x acutiflora 'Karl Foerster'
Ceratium tomentosum
Deschampsia cespitosa 'Goldtau'
Erysimum 'Bowles' Mauve'
Galium odoratum
Geranium macranthum 'Album'
Lavandula angustifolia 'Hidcote'
Perovskia 'Blue Spire'
Rudbeckia fulgida 'Sulfuranti' 'Goldsturm'
Salvia officinalis 'Purpurascens'
Santolina viena
Thymus oberferri 'Bressingham Pink'
Stipa tenuissima
Verbena bonariensis
Veronica prostrata
Vinca minor
Climber
Trachelospermum jasminoides
 - GREEN SWALES**
Basin of Swale to be seeded with Wildflower Mix from Emorsgate (EM8 Meadow Mixture for Wetlands). Upper edges of swale sides to be planted with native scrub (at a height of 900-1200mm) at 1Nt plant per m2 with
Species to include:
Caryx spp.
Caltha palustris
Cornus alba
Liquidambar styraciflua
Rosa canina
Salix spp.
Sambucus nigra
Viburnum opulus
 - PROPOSED AMENITY GRASS**
Standard amenity grass mix to multi-functional areas. To be planted with 150mm topsoil and 300mm loosened sub-soil.
 - PROPOSED WILDFLOWER MEADOW**
Wildflower seed mix to natural planting area. To be planted with 150mm topsoil and 300mm loosened sub-soil. Meadow mix to be designed to accommodate wet and dry feature.
 - RAISED VEGETABLE PLANTER**
Topsoil to be provided.
Vegetable to be planted by the school

Rev	Description	Date	By	Suitability
P01	REVISED LAYOUT AS PER PLANNING COMMENTS	13/12/2023	HV	
P02	PARENT DROP-OFF ADDED AS PER PLANNING COMMENT	17/12/2023	HV	
P03	AMENDMENTS TO HIGHWAYS, SWALES AND PLANTING INFO	11/09/2023	VF	
P04	ISSUE FOR PLANNING	09/03/2023	YA	

ST RICHARD GWYN SECONDARY SCHOOL

Client
VALE OF GLAMORGAN

Title
PLANNING ISSUE - SOFT LANDSCAPE STRATEGY

Drawing No.
SRG-HLM-XX-00-DR-L-0018

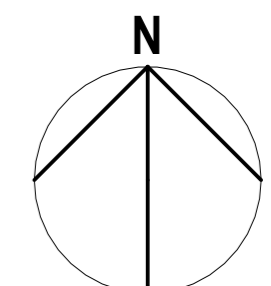
Revision
P04

Scale
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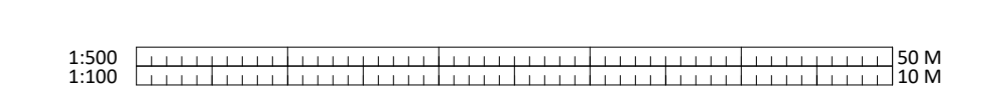
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AC

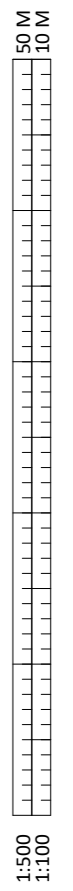
Date
25/08/2023

Checked
CMoN



2023/00285/RG3





- KEY:**
- SITE RED LINE BOUNDARY
 - HARD LANDSCAPE**
 - VEHICULAR GRADE ASPHALT
 - PERMEABLE PAVING TO SOCIAL AREA
Pedestrian & MEWP grade
 - EXTERNAL DECK
 - PERMEABLE ASPHALT PAVING
Pedestrian & MEWP Grade
 - 4G ARTIFICIAL GRASS PITCH
 - PERMEABLE SPORTS SURFACING
 - PERMEABLE FEATURE PAVING TO SOCIAL PLAY AREA
Pedestrian & MEWP Grade
 - SOFT LANDSCAPE**
 - PROPOSED AMENITY GRASS
 - GREEN SWALES
Drainage swales with wildflower meadow and marginal planting
 - UNDERSTOREY PLANTING
To Northern boundary
 - ORNAMENTAL PLANTING
To Social Space
 - WILDFLOWER
 - EXISTING TREES AND VEGETATION
To be retained and protected
 - PROPOSED TREES
 - MITIGATION TREE PLANTING
 - MITIGATION HEDGE PLANTING
 - RAISED VEGETABLE PLANTERS
Timber
 - RAISED PLANTER
Ornamental planting bed
 - LIGHTING
To be reviewed
 - LIGHTING STRIP
To be reviewed

2023/00285/RG3

PO1	REVISED LAYOUT AS PER PLANNING COMMENTS	13/12/2023	HV
PO2	PARENT DROP-OFF ADDED AS PER PLANNING COMMENT	17/12/2023	HV
PO3	AMENDMENTS TO HIGHWAYS, SWALES AND PLANTING INFO	11/09/2023	VT
PO4	ISSUE FOR PLANNING	09/02/2023	YA

Rev	Description	Date	By	Suitability
Project				
Revisions				

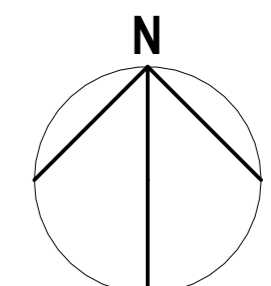
ST RICHARD GWYN SECONDARY SCHOOL

Client
VALE OF GLAMORGAN

Title
PLANNING ISSUE - BLOCK PLAN

Drawing No.	Revision
SRG-HLM-XX-00-DR-L-0021	PO4

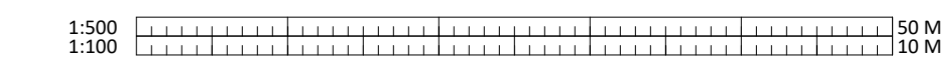
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1 : 500 @A0	YA
Date	Checked
24/02/2023	CMcN



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Elevation 01
Scale: 1 : 200



Elevation 04
Scale: 1 : 200

Notes
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In order to address the LPA comment of the Roof Parapet, the Design Team will continue to explore further Materiality and Colour Palettes of the Design, through Detailed Development Stages in order to reduce the Visual Impact of the Building Height.

2023/00285/RG3



Elevation 02
Scale: 1 : 200



Elevation 03
Scale: 1 : 200

P04	UPDATED ISSUE FOR PLANNING	01/09/2023	YC	CW
P03	ISSUED FOR PLANNING	19/03/2023	SR	DP
P02	ISSUED FOR PRE-APP	19/01/2023	SR	DP
P01	ISSUED FOR INFORMATION	14/12/2022	SR	DP
Rev	Description	Date	By	Chk

Revisions	Suitability
Project	S2 - INFORMATION

15-1229-01 ST. RICHARD GWYN SCHOOL

Client
VALE OF GLAMORGAN

Title
PROPOSED GA ELEVATIONS

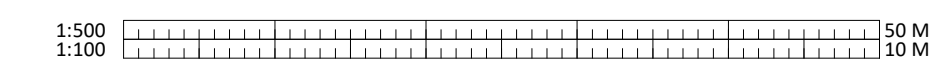
Drawing No.	Revision
SRG-HLM-XX-ZZ-DR-A-0020	P04

Scale	Drawn
As indicated @A1	HLM
Date	Checked
01/10/22	HLM



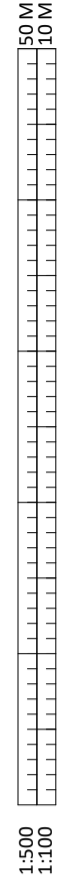
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2023/00285/RG3

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P01	ISSUED FOR PLANNING	10/03/2023	SR	DP
Rev	Description	Date	By	Chk
Revisions			Suitability	
Project	S2 - INFORMATION			

**15-1229-01 ST.
 RICHARD GWYN
 SCHOOL**

Client
VALE OF GLAMORGAN

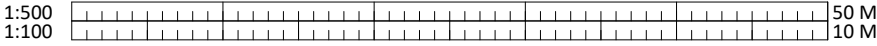
Title
**PROPOSED VISUALS -
 SHEET 1**

Drawing No.	Revision
SRG-HLM-XX-ZZ-VS-A-0060	P01

Scale	Drawn
@A1	HLM
Date	Checked
01/10/22	HLM

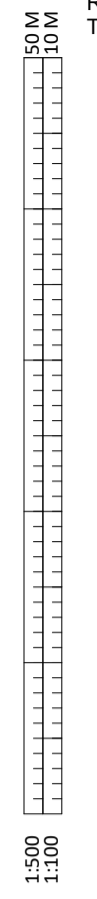


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P01	ISSUED FOR PLANNING	10/03/2023	SR	DP
Rev	Description	Date	By	Chk
Revisions				Suitability
Project				S2 INFORMATION

**15-1229-01 ST.
RICHARD GWYN
SCHOOL**

Client
VALE OF GLAMORGAN

Title
**PROPOSED VISUALS -
SHEET 2**

Drawing No.	Revision
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Scale	Drawn
@A1	HLM
Date	Checked
01/10/22	HLM

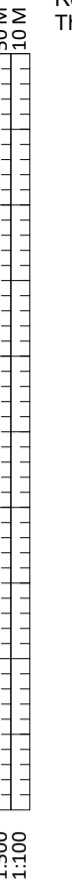


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P01	ISSUED FOR PLANNING	10/03/2023	SR	DP
Rev	Description	Date	By	Chk
Revisions			Suitability	
Project	S2 INFORMATION			

**15-1229-01 ST.
 RICHARD GWYN
 SCHOOL**

Client
VALE OF GLAMORGAN

Title
**PROPOSED VISUALS -
 SHEET 3**

Drawing No.	Revision
SRG-HLM-XX-ZZ-VS-A-0062	P01

Scale	Drawn
@A1	HLM
Date	Checked
01/10/22	HLM

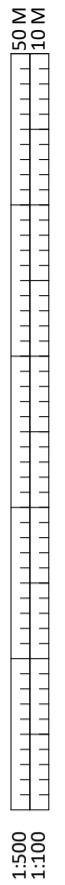


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2023/00285/RG3

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P01	ISSUED FOR PLANNING	10/03/2023	SR	DP
Rev	Description	Date	By	Chk
Revisions			Suitability	
Project			S2 INFORMATION	

**15-1229-01 ST.
 RICHARD GWYN
 SCHOOL**

VALE OF GLAMORGAN

**PROPOSED VISUALS -
 SHEET 4**

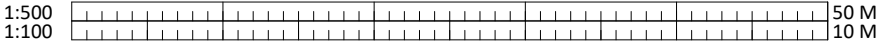
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Scale	Drawn
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Date	Checked
01/10/22	HLM



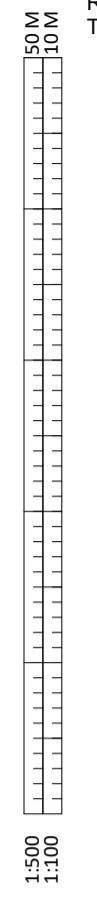
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P01	ISSUED FOR PLANNING	10/03/2023	SR	DP
Rev	Description	Date	By	Chk
Revisions			Suitability	
Project	S2 INFORMATION			

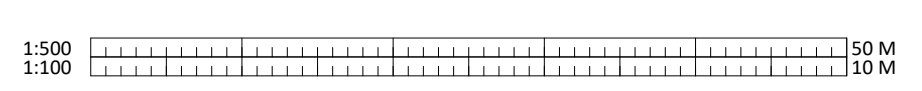
**15-1229-01 ST.
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 SCHOOL**

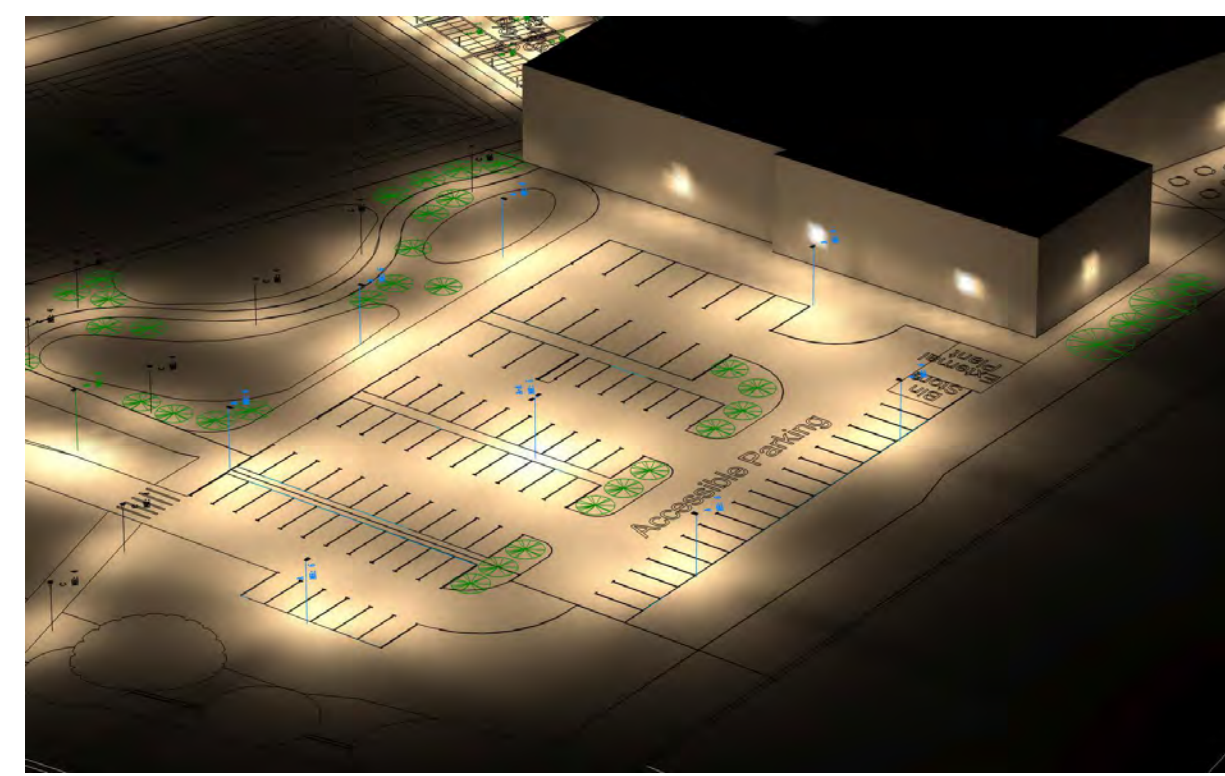
Client
VALE OF GLAMORGAN

Title
**PROPOSED VISUALS -
 SHEET 5**

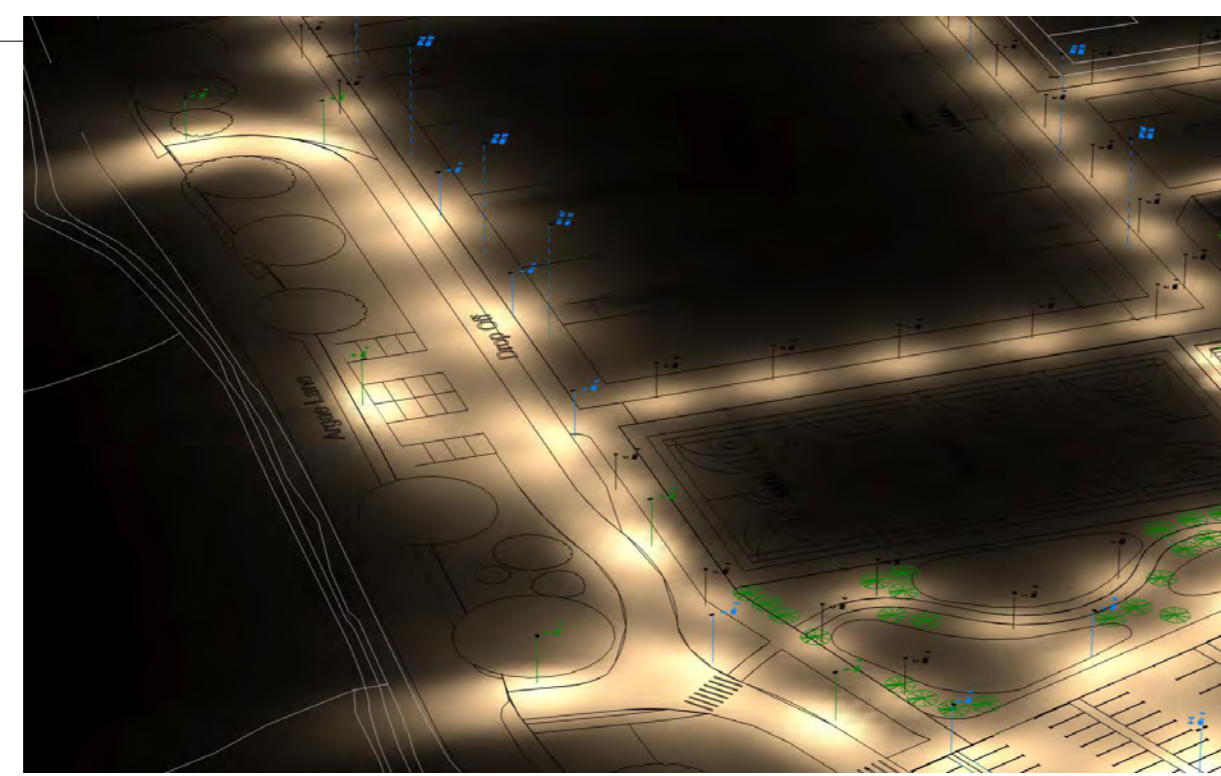
Drawing No.	Revision
SRG-HLM-XX-ZZ-VS-A-0064	P01
Scale	Drawn
@A1	HLM
Date	Checked
01/10/22	HLM

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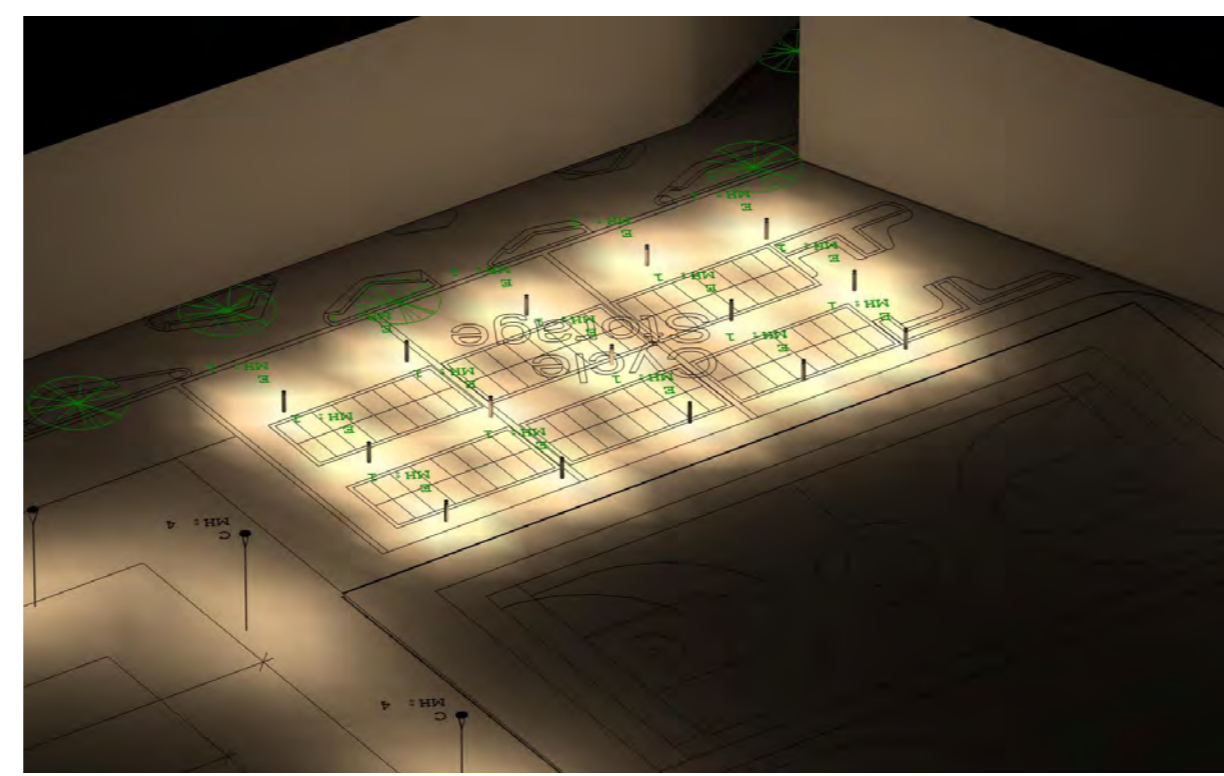




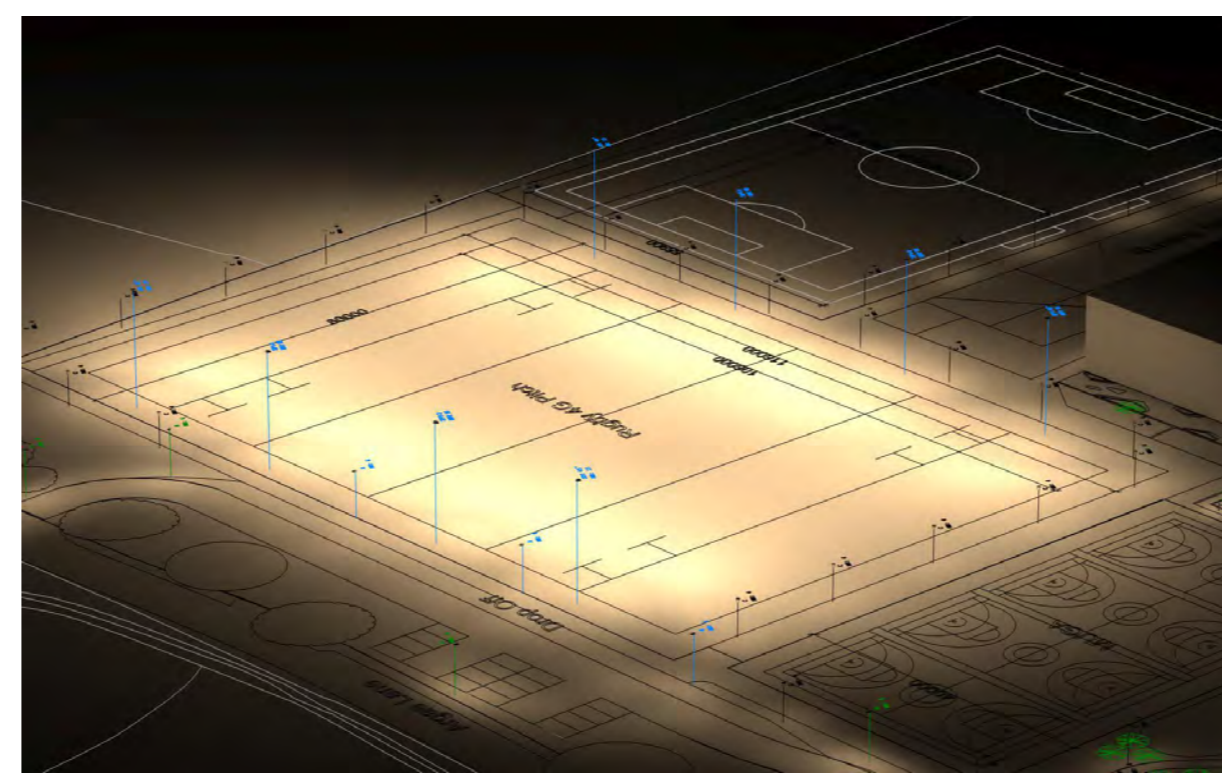
Car Park - Utilising 6m height columns



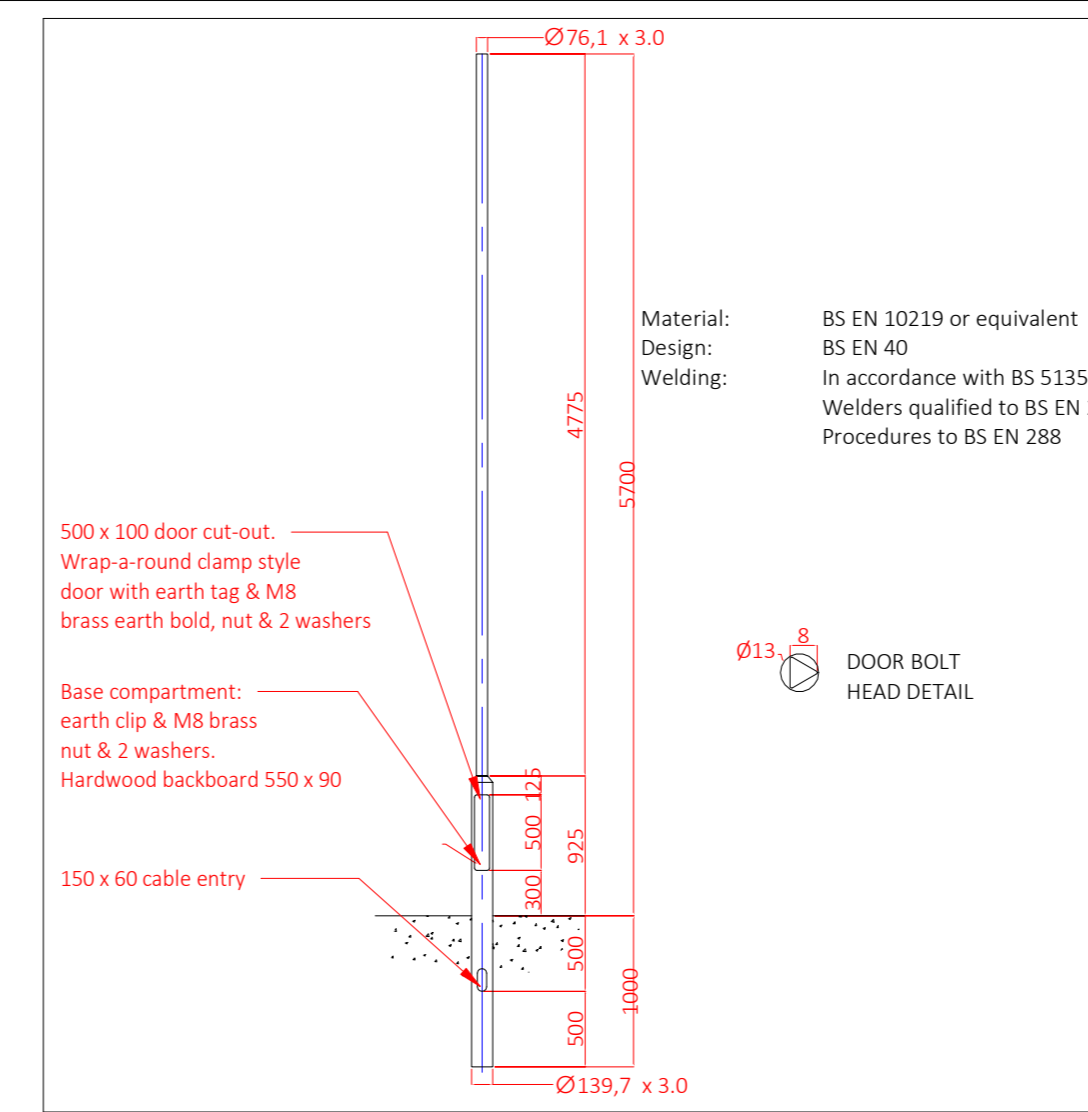
Access Road & Drop Off - Utilising 6m height columns



Cycle Storage - Utilising low level bollards

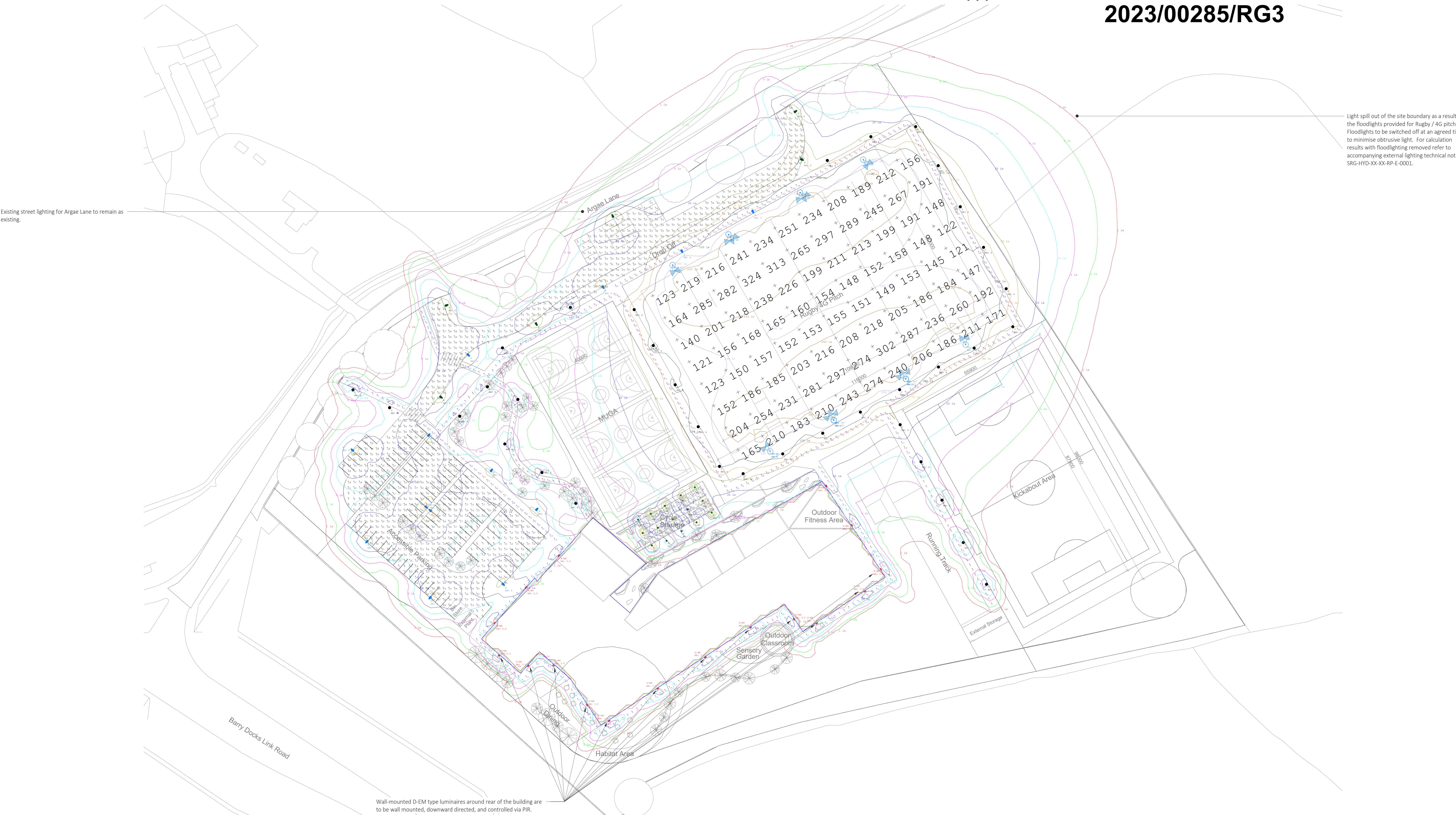


Rugby 4G Pitch - Utilising floodlights with 15m height columns.



Symbol	Qty	Label	Lum. Lumens	LF	Description	Image
A	11	A	10380	0.900	17w 4 module 850mA Ra0 1 with S55 Optic Column Mounted at 6m	
B	6	B	7491	0.900	19w 4 module 850mA Ra0 1 with S55 Optic Column Mounted at 6m	
C	35	C	1320	0.900	17w 1 module 850mA Ra0 1 with S11 M Optic Column Mounted at 6m	
D	17	D	1570	0.900	11.1w LED Semita Urban bulkhead with optic Building Mounted at 3.5m	
E	15	E	1320	0.900	25w LED 4000K Klou K bollard	
F	4	F	118000	0.900	900w Arnis Flood with N51 Optic Column Mounted at 15m	
G	4	G	118000	0.900	900w Arnis Flood with N51 Optic Column Mounted at 15m	
H	4	H	118000	0.900	900w Arnis Flood with N51 Optic Column Mounted at 15m	

2023/00285/RG3



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 - This drawing is to be read in conjunction with all relevant engineers' and service engineers' drawings and specifications. This drawing is copyright.
 - This drawing has been produced for planning purposes only and is indicative only of the final design proposals.
 - External lighting to be developed and coordinated with any landscape design as required.
 - DIMM control gear and sensors to be used to enable dimming of lighting to maximise available daylight.
 - Luminaires shall generally have dark skies option to reduce upward light.
 - The following elements are excluded from the external lighting design package - refer to architectural work package for: illuminated signage, way finding signage, brand signage, road signage.
 - Accessible roof top and exterior plant areas will be afforded general and emergency lighting for access purposes only. Maintenance activities shall generally be carried out during daylight hours, an allowance shall be made for low level non, non obtrusive weatherproof bulkhead luminaires to the roof flat sector perimeter. Lighting will be normally off and only for occasional maintenance access.

COES OF PRACTICE / PLANNING STATEMENT

The external lighting scheme will be designed in accordance with the following documents:

- IEE Guidance Notes for Reduction of Obtrusive Light
- CIBSE Lighting Guide 6 (GL6) - The Exterior Environment
- BS EN 12464 Part 2 - Lighting of Work Places - Outdoor Work Places
- SLL Code for Lighting
- BS 5489 - Code of Practice for Design of Road Lighting
- Part L2A Conservation of Fuel and Power in new Buildings other than Dwellings
- Sports England Design Guidance Note - Artificial Sports Lighting Guide

The IEE Guide for the Reduction of Obtrusive Light is the primary document used by most local councils and planning departments to categorise the provision of external lighting.

External perimeter of the main school building & amenity lighting shall be illuminated by low energy LED luminaires, and include provision for time switching, photocell control and dimming. All fittings will be chosen and positioned to avoid light spill onto adjacent properties and highways.

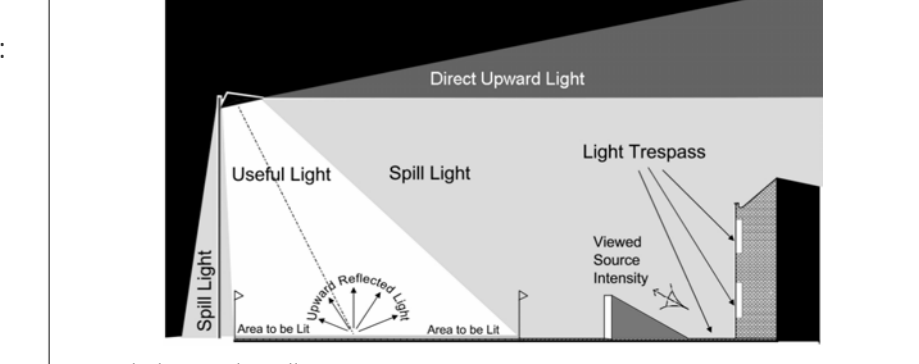
CATEGORY OF SYSTEM

The site will be located near the perimeter of Barry The lighting scheme shall comply with values for the appropriate category of environmental zone per IEE & BS EN 12464-2.

External lighting must also be compliant to dark sky requirements and the CIE 150 guide on the effects of obtrusive light.

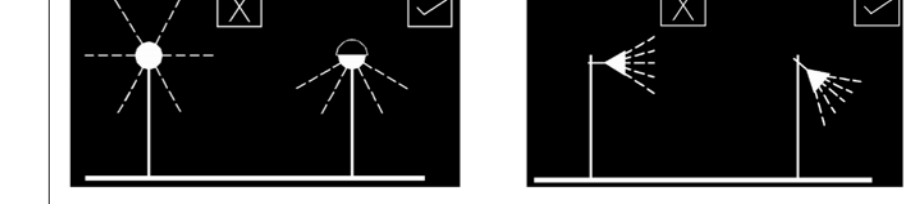
The Institute of Lighting Engineers publish information on the recommendations for preventing light pollution: IEE Guidance Note (GN2) - Guidance Notes for the Reduction of Obtrusive Light.

It is in the developments best interest to comply with these recommendations as light pollution is a waste of energy.



IEE Dark Skies - Light Spill

To reduce light pollution, the IEE and manufacturers of luminaires recommend that the angle of the luminaires be reduced and use of equipment that minimises the upward spread of light near to and above the horizontal as illustrated below is used.



The above figure illustrates the lighting designers' primary issue when trying to illuminate large open areas around the perimeter of the site. Angling luminaires upwards, achieves a further outward throw of light, however since much of the light is not used, the upward spill is simply illuminating the sky and thus wasting energy, creating glare, and causing light pollution.

The proposed design shall utilise dark sky compliant luminaires with controlled cut off luminaire optics. Luminaires shall have a maximum tilt of 15 degrees above the horizontal to improve the uniformity to the large open areas.

Illuminance levels are tabulated below and are average levels across the calculated area at floor level. Uniformity levels on the Carpark & Access Road, and footpaths are below requirements due to light spillage from floodlights for the Rugby 4G Pitch. For calculation results with floodlighting removed refer to accompanying external lighting technical note: SRG-HYD-XXX-XX-RP-E-0001.

Calculation Summary	Units	Avg	Max	Min	Uniformity
Building Perimeter	Lux	13.21	23	6	0.35
Carpark & Access Road	Lux	28.20	107	6	0.21
Cycle Storage	Lux	36.06	136	11	0.31
Footpaths	Lux	49.92	245	3	0.06
Rugby Pitch	Lux	202.92	324	121	0.60

Isoline Legend	Value
1 lx	50 lx
2 lx	75 lx
5 lx	100 lx
10 lx	150 lx
20 lx	200 lx

REVISIONS

Rev	Revision Description	Date	Drawn By	Checked	Approved By
PO1	Suitable for Review and Comment	10/03/23	DW		GGJ/AH

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e: cardiff@hydrock.com

CLIENT
VALE OF GLAMORGAN
BRD MORGANNING

PROJECT
St Richard Gwyn Comprehensive School

TITLE
Electrical Services
External Lighting Layout

HYDROCK PROJECT NO.
C-24106

SCALE @ A0
N.T.S.

STATUS DESCRIPTION
SUITABLE FOR INFORMATION

STATUS
S2

DRAWING NO.
SRG-HYD-XX-XX-DR-E-9001

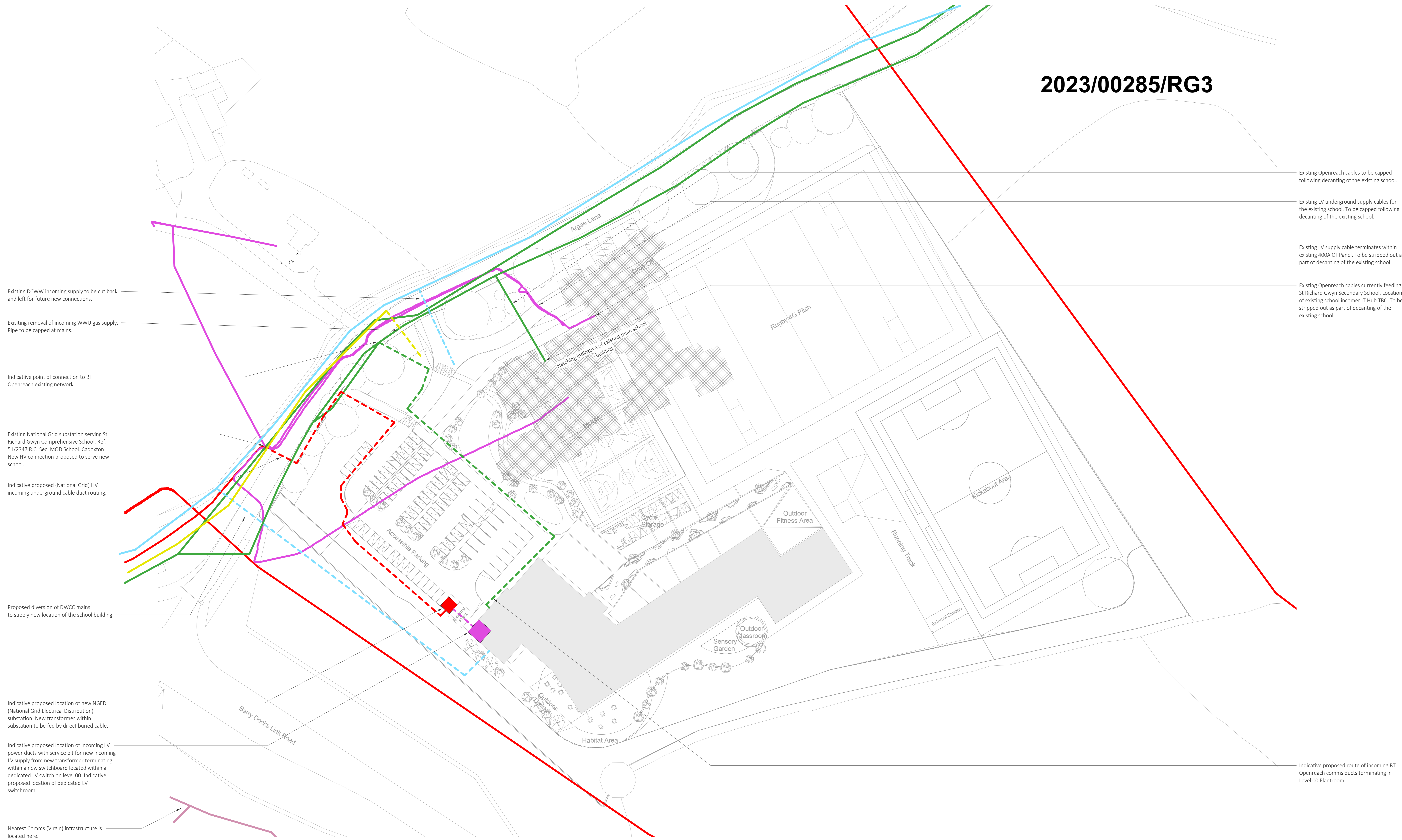
REVISION
P01

2023/00285/RG3

- NOTES**
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 - This drawing is to be read in conjunction with all relevant engineers' and service engineers' drawings and specifications. This drawing is copyright.
 - This drawing has been produced for planning purposes only and is indicative only of the final design proposals.
 - Existing, for removal, and proposed relocation/new utility assets as indicated on this drawing are indicative of the proposed strategy and, where information is available, is interpreted from coordination with utility providers. It is intended to assist in communicating the required scope to facilitate the intended future development.
 - Existing cabling serving external services on the existing school site to be stripped back to its point of origin and made safe.

LEGEND

— HV Electric Relocation	— Comms (Virgin) Relocation
— HV Electric Removal	— Comms (Virgin) Removal
— HV Electric to Retain	— Comms (Virgin) to Retain
— LV Electric Relocation	— Gas Relocation
— LV Electric Removal	— Gas Removal
— LV Electric to Retain	— Gas to Retain
— Openreach Relocation	— Water Relocation
— Openreach Removal	— Water Removal
— Openreach to Retain	— Water to Retain



Existing Openreach cables to be capped following decanting of the existing school.

Existing LV underground supply cables for the existing school. To be capped following decanting of the existing school.

Existing LV supply cable terminates within existing 400A CT Panel. To be stripped out as part of decanting of the existing school.

Existing Openreach cables currently feeding St Richard Gwyn Secondary School. Location of existing school incomer IT Hub TBC. To be stripped out as part of decanting of the existing school.

Existing DCWW incoming supply to be cut back and left for future new connections.

Existing removal of incoming WWU gas supply. Pipe to be capped at mains.

Indicative point of connection to BT Openreach existing network.

Existing National Grid substation serving St Richard Gwyn Comprehensive School. Ref: 51/2347 R.C. Sec. MOD School. Cadoston New HV connection proposed to serve new school.

Indicative proposed (National Grid) HV incoming underground cable duct routing.

Proposed diversion of DWCC mains to supply new location of the school building.

Indicative proposed location of new NGED (National Grid Electrical Distribution) substation. New transformer within substation to be fed by direct buried cable.

Indicative proposed location of incoming LV power ducts with service pit for new incoming LV supply from new transformer terminating within a new switchboard located within a dedicated LV switch on level 00. Indicative proposed location of dedicated LV switchroom.

Nearest Comms (Virgin) infrastructure is located here.

Indicative proposed route of incoming BT Openreach comms ducts terminating in Level 00 Plantroom.

REVISIONS

Rev.	Revision Description	Date	Drawn By	Checked	Approved By
P01	Suitable for Review and Comment	10/03/23	BR/DW	JM/GG	JAH

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 e: cardiff@hydrock.com

CLIENT
 VALE OF GLAMORGAN
 BID MORGANNING

PROJECT
 St Richard Gwyn Comprehensive School

TITLE
 Combined Services
 External Utilities Layout

HYDROCK PROJECT NO. C-24106	SCALE @ A0 N.T.S.
STATUS DESCRIPTION SUITABLE FOR INFORMATION	STATUS S2
DRAWING NO. SRG-HYD-XX-DR-ME-9501	REVISION P01

C:\Users\downh\Documents\SRG-HYD-XX-DR-ME-9501_001.dwg 10/03/2023 10:45:00 AM JAH

Rhose - Port Road



Rhose - Port Road



Highway line
of site

2023/00491/FUL

A4226

A4226

A4226

A4226

A4226

The Vale Hotel &
Touring Caravan Park

Celtic International
4.0 ★ (342)
3-star hotel

291.5m

Blackton Ln

Blackton Ln

Blackton Ln

Port Rd

Port Rd

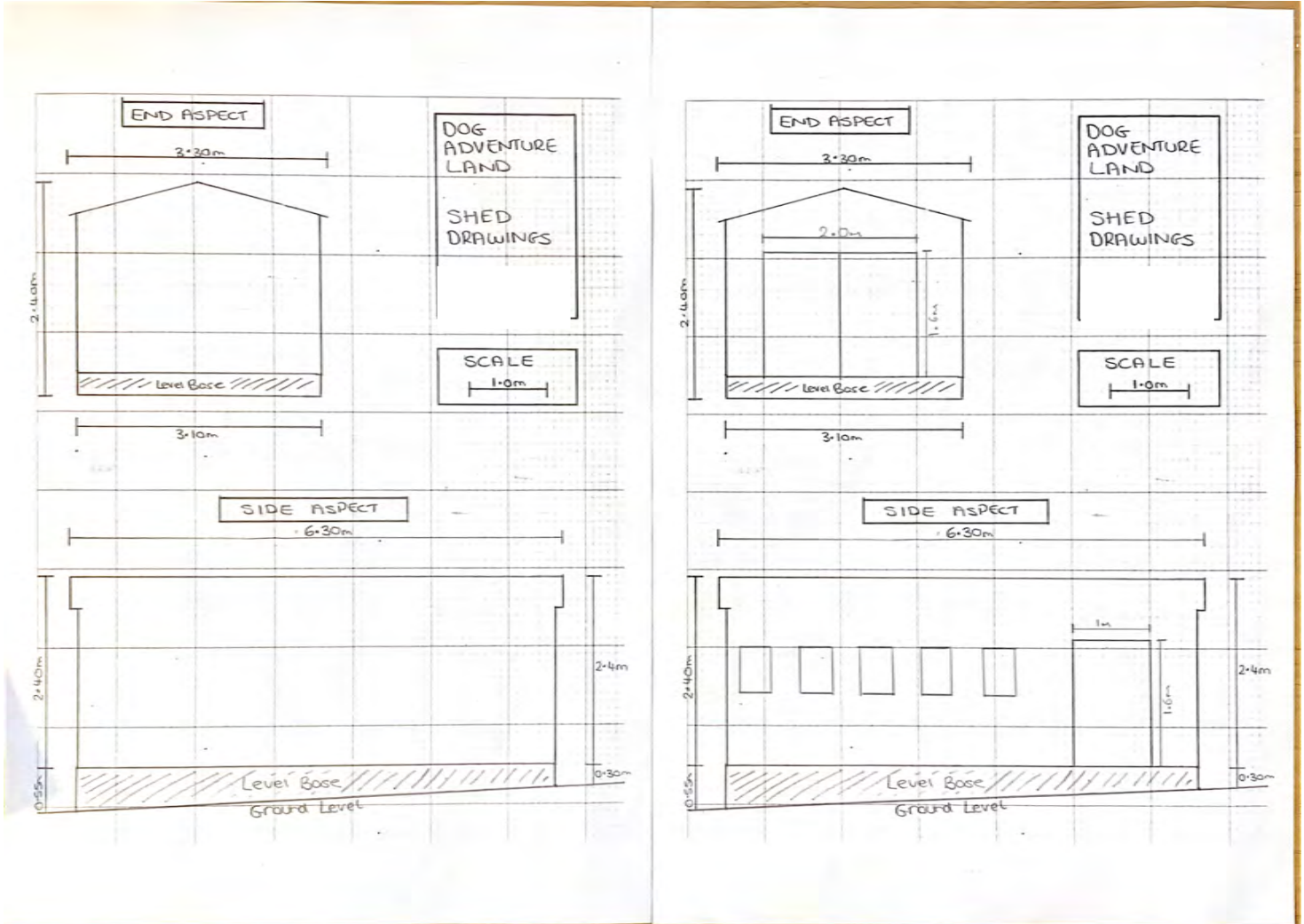
348.9m

Port Rd

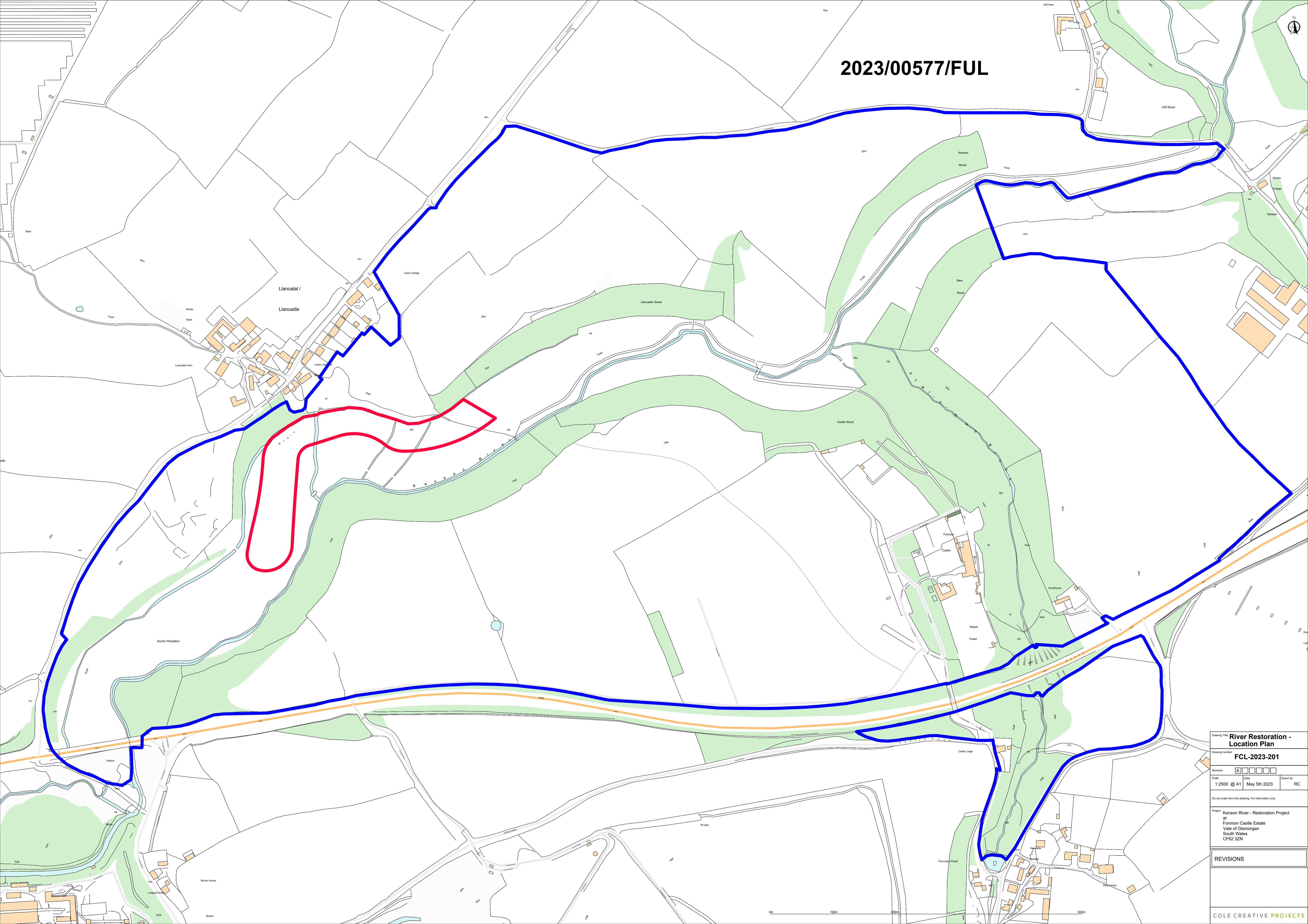
Aircraft Tool Hire
Aircraft supply shop

P

Public parking



2023/00577/FUL

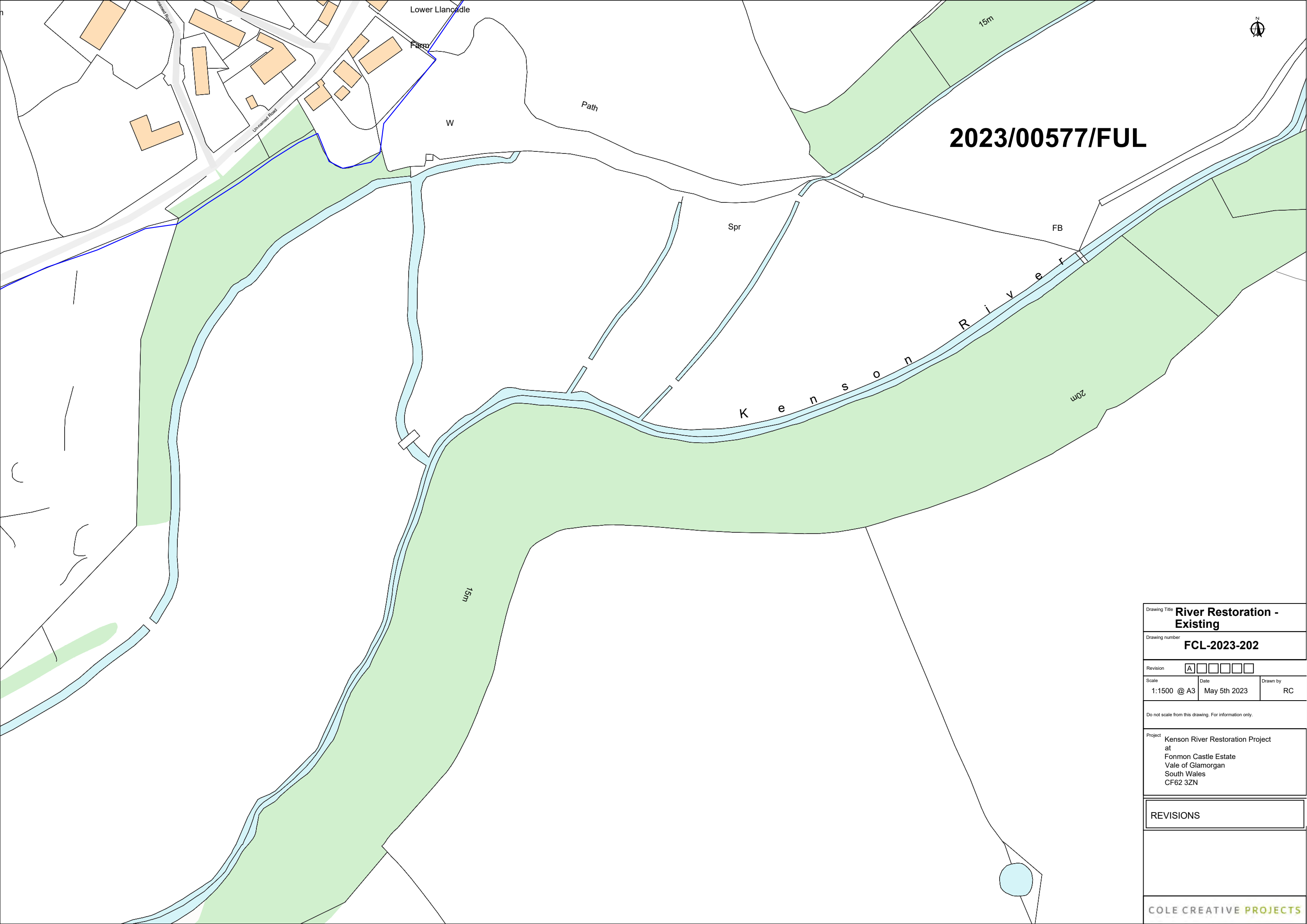


Drawing Title: **River Restoration - Location Plan**
Drawing number: **FCL-2023-201**
Revision:

A				
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Scale: 1:2500 @ A1 Date: May 5th 2023 Drawn by: RC
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Project: Kenson River - Restoration Project at Fonmon Castle Estate, Vale of Glamorgan, South Wales, CF82 3ZN

REVISIONS



2023/00577/FUL

Drawing Title **River Restoration - Existing**
 Drawing number **FCL-2023-202**

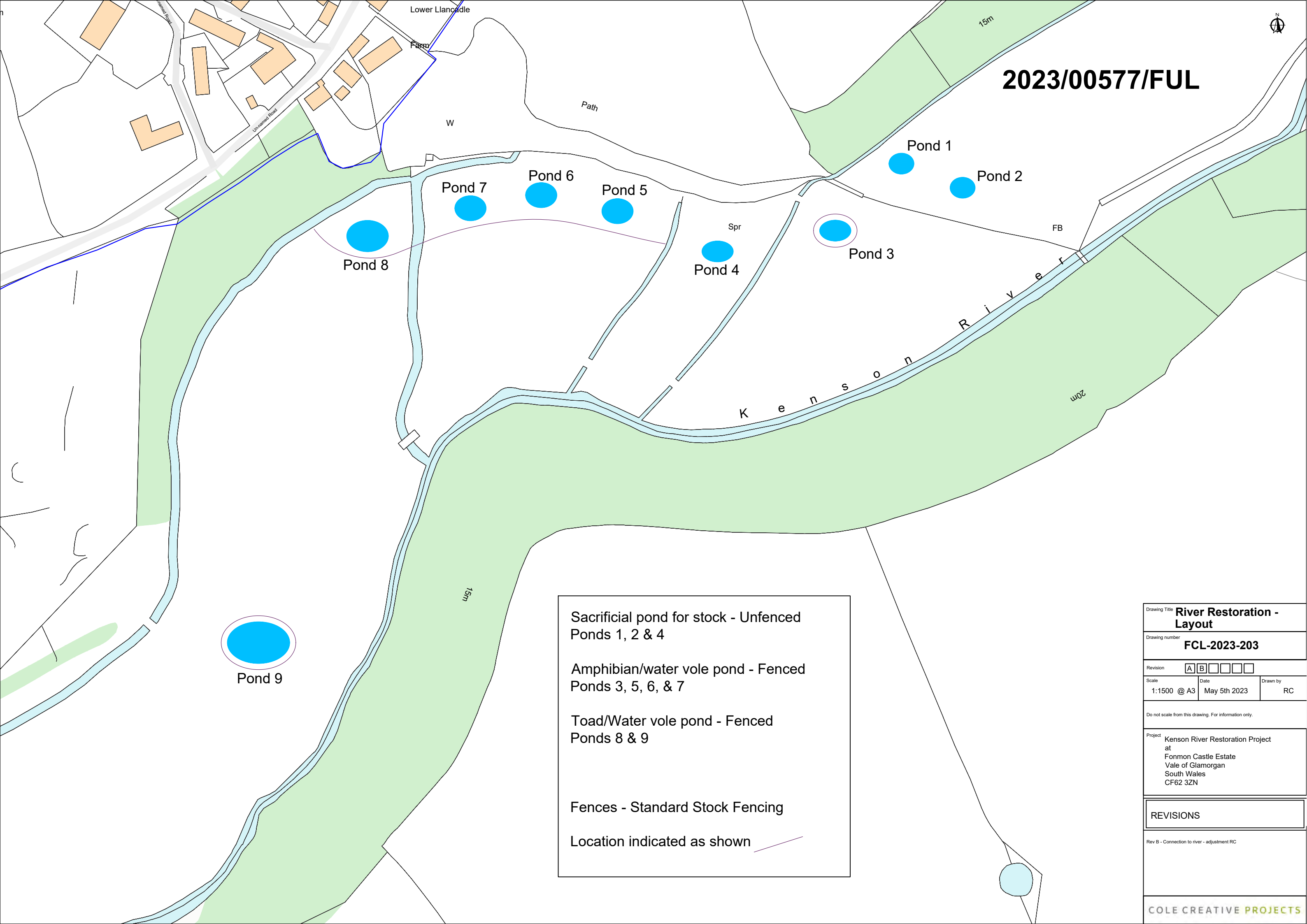
Revision **A**
 Scale 1:1500 @ A3 Date May 5th 2023 Drawn by RC

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Project Kenson River Restoration Project
 at
 Fonmon Castle Estate
 Vale of Glamorgan
 South Wales
 CF62 3ZN

REVISIONS

2023/00577/FUL




Sacrificial pond for stock - Unfenced
Ponds 1, 2 & 4

Amphibian/water vole pond - Fenced
Ponds 3, 5, 6, & 7

Toad/Water vole pond - Fenced
Ponds 8 & 9

Fences - Standard Stock Fencing

Location indicated as shown 

Drawing Title **River Restoration - Layout**

Drawing number **FCL-2023-203**

Revision

A	B				
---	---	--	--	--	--

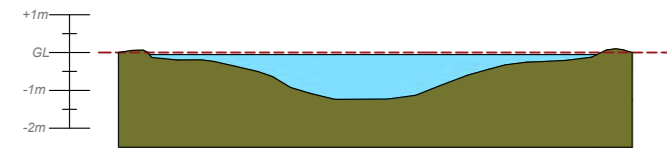
Scale 1:1500 @ A3 Date May 5th 2023 Drawn by RC

Do not scale from this drawing. For information only.

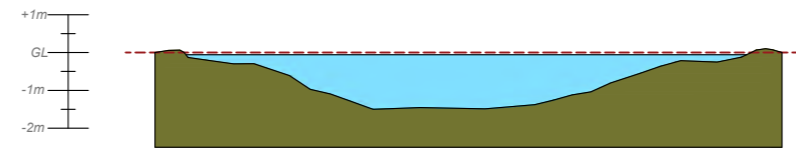
Project Kenson River Restoration Project
at
Fonmon Castle Estate
Vale of Glamorgan
South Wales
CF62 3ZN

REVISIONS

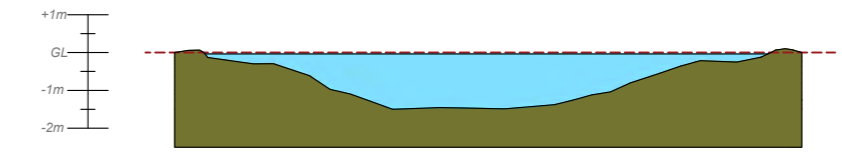
Rev B - Connection to river - adjustment RC



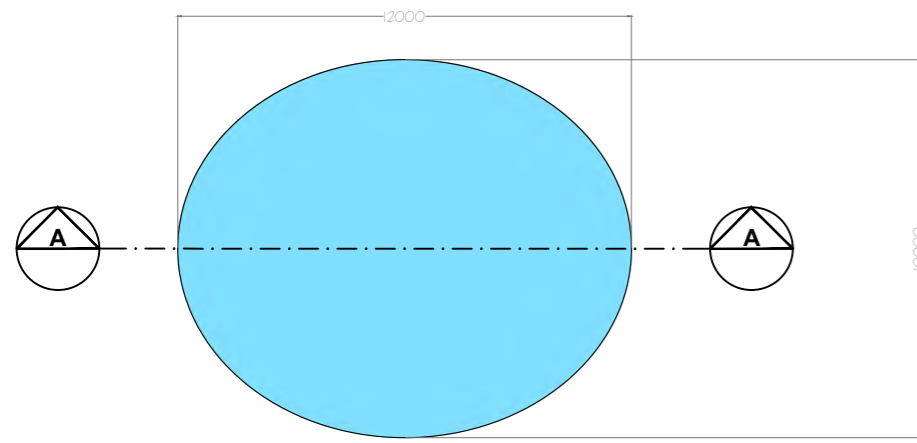
Section A



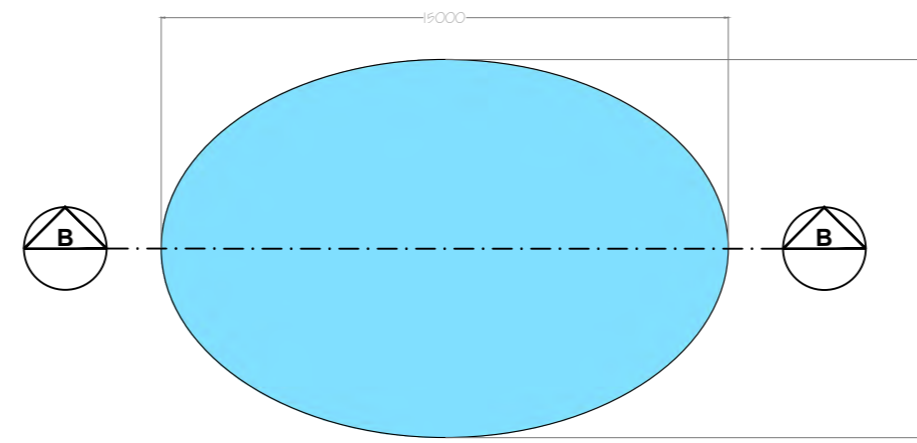
Section B



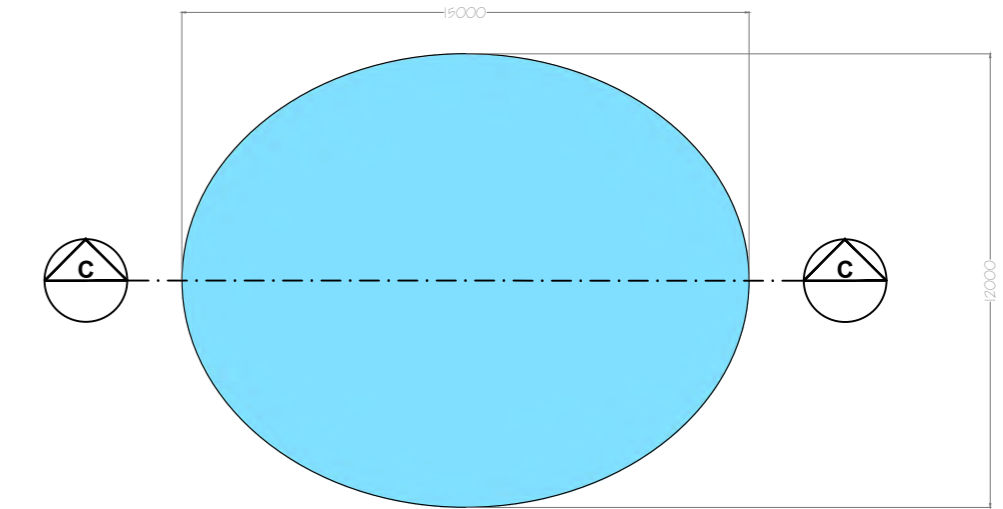
Section C



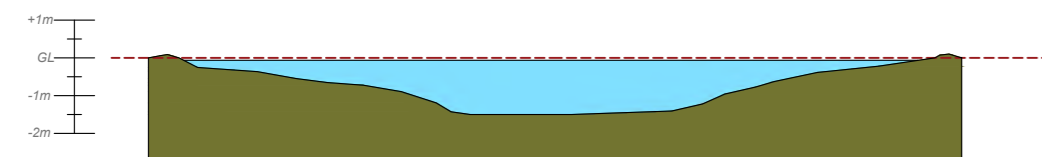
Ponds 1 & 2 - Refer to drawing FCL-2023-203 for layout.



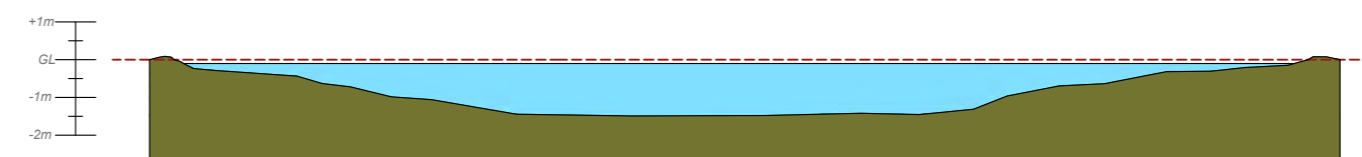
Ponds 3 & 4 - Refer to drawing FCL-2023-203 for layout.



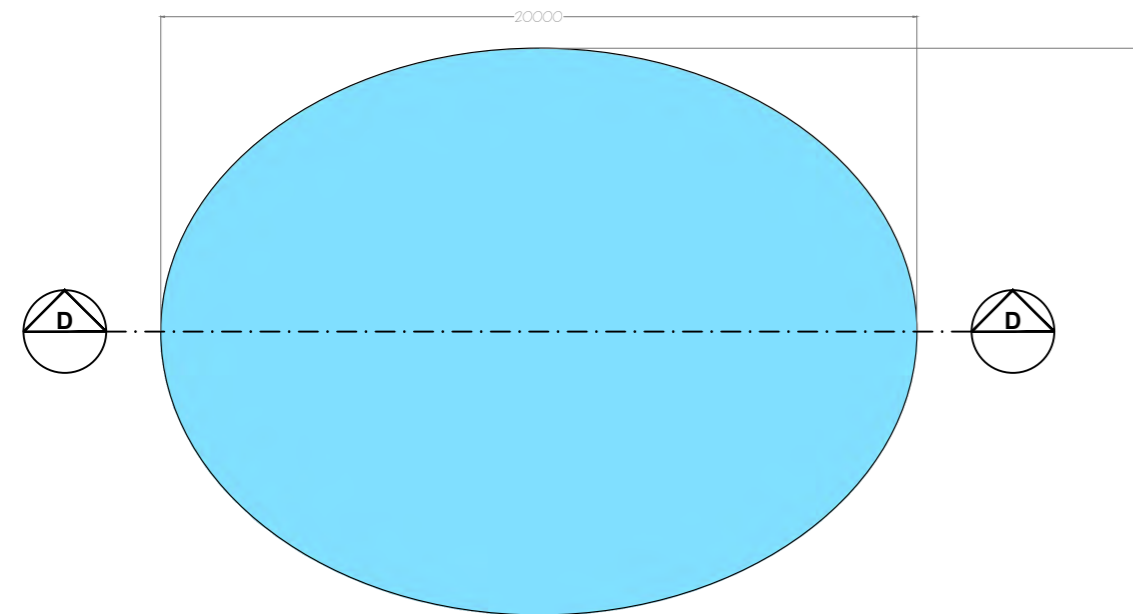
Ponds 5, 6 & 7 - Refer to drawing FCL-2023-203 for layout.



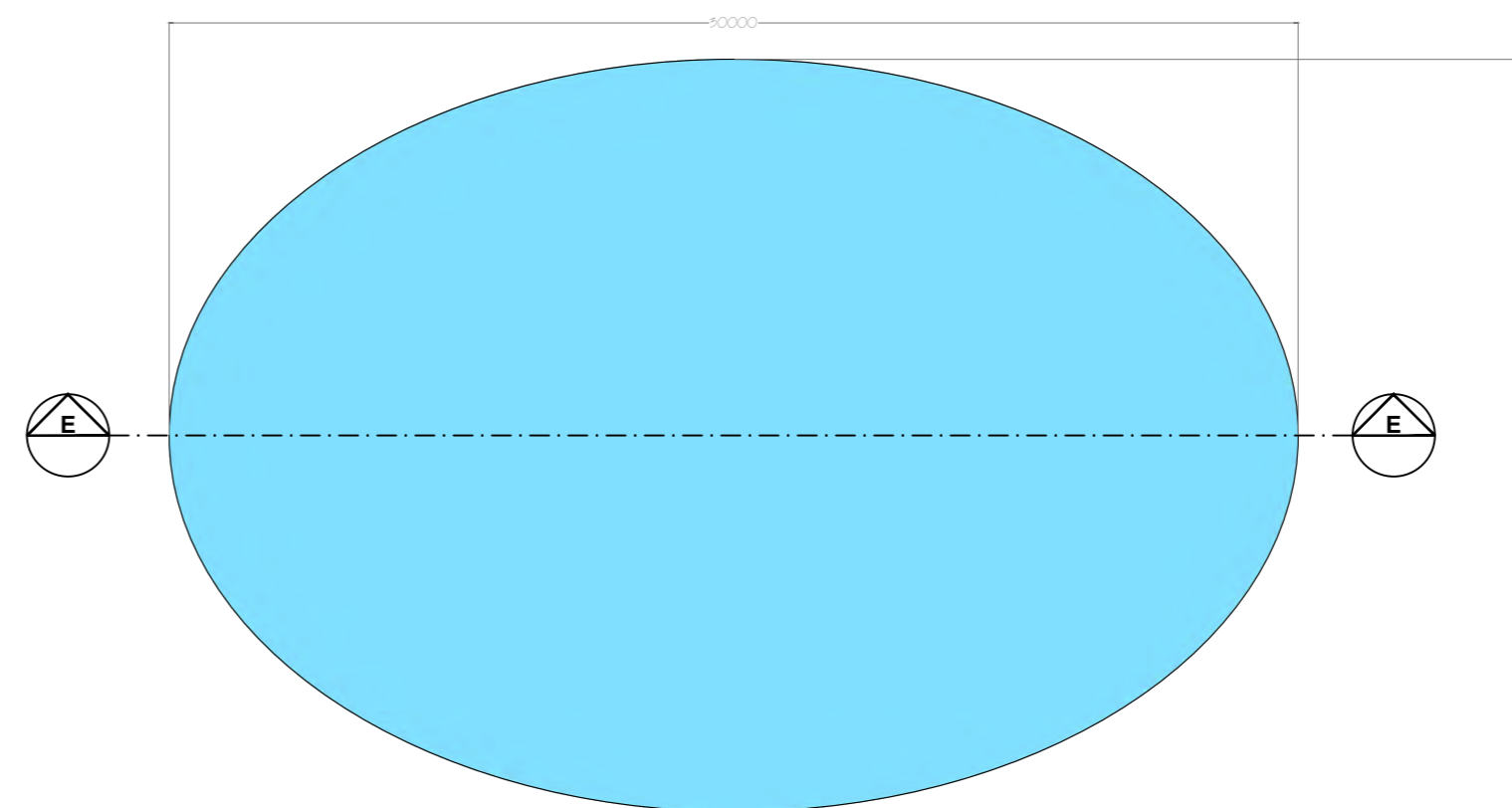
Section D



Section E



Pond 8 - Refer to drawing FCL-2023-203 for layout.



Pond 9 - Refer to drawing FCL-2023-203 for layout.

Drawing Title **River Restoration - Pond Details**

Drawing number **FCL-2023-204**

Revision A

Scale 1:200 @ A2 Date May 5th 2023 Drawn by RC

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Project
Kenson River - Restoration Project
at
Fonmon Castle Estate
Vale of Glamorgan
South Wales
CF62 3ZN

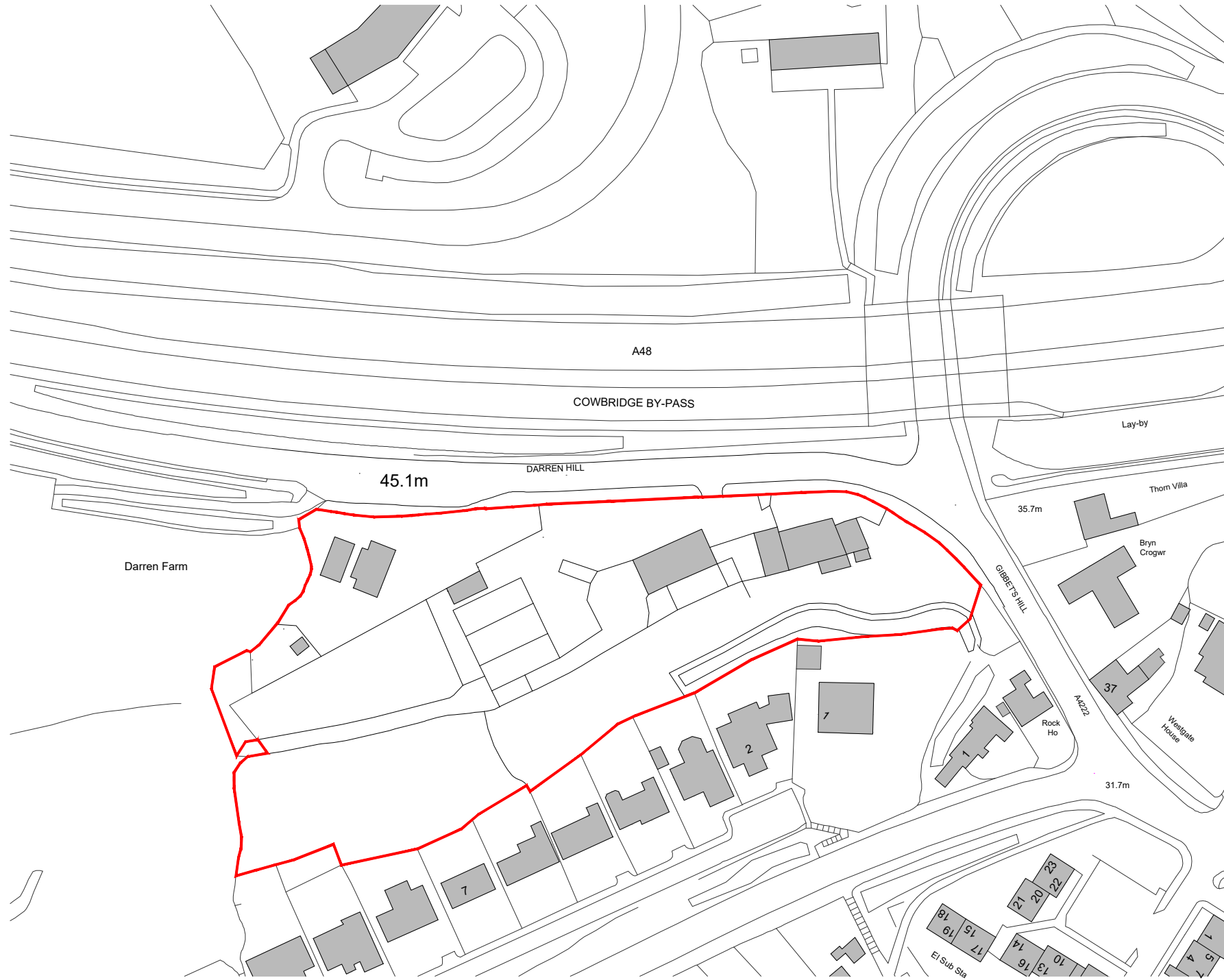
REVISIONS



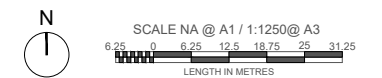
Key

Development Boundary

2023/00826/FUL



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Drawn By: AC
Checked By: AC

Rev No	Revision Description	Date
001	Planning Submission	20.08.23

RETIREMENT LIVING
DARREN FARM, COWBRIDGE
LOCATION PLAN

SO-2849-03-AC-001-P03
224882-IDL-01-XX-DR-A-P1001-S3-P03

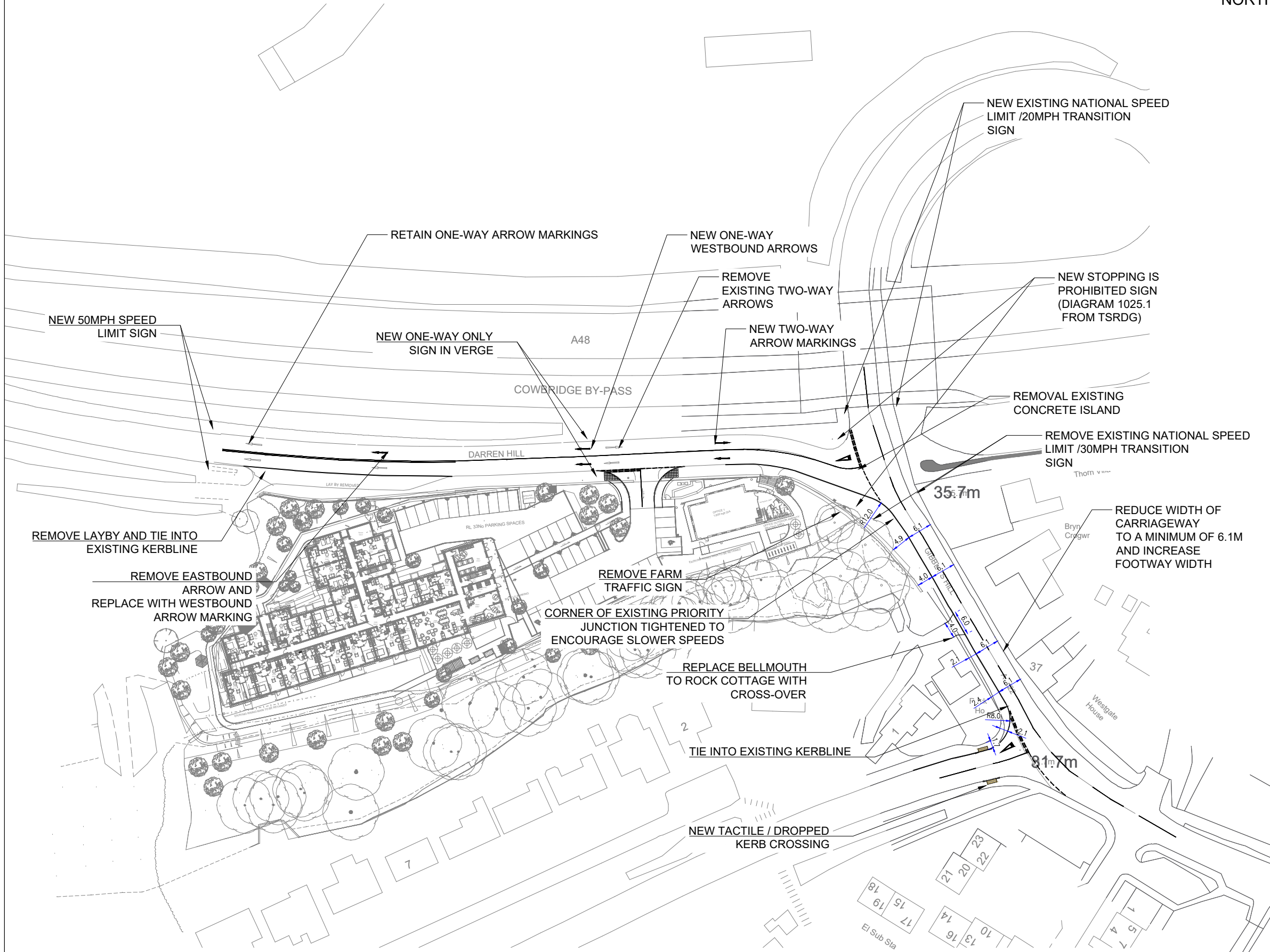
1:1250 @ A3
NA @ A1
11.11.22

2023/00826/FUL



GENERAL NOTES

1. THIS DRAWING IS INTENDED TO BE VIEWED IN COMBINATION WITH ALL RELEVANT ARCHITECTS, ENGINEERS, SERVICES AND SPECIALIST DRAWINGS AND SPECIFICATION.
2. ANY VARIATIONS OR DISCREPANCIES BETWEEN THESE DRAWINGS IN TERMS OF DIMENSIONS OR DETAILS SHOULD BE DRAWN TO THE ATTENTION OF THE ARCHITECT AND/OR THE ENGINEER FOR CLARIFICATION.
3. PAUL BASHAM ASSOCIATES ACCEPTS NO RESPONSIBILITY FOR THE ACCURACY OF BACKGROUND INFORMATION PRODUCED BY THIRD PARTIES – THIS MUST BE TREATED AS INDICATIVE ONLY.
4. ALL DIMENSIONS AND LEVELS ARE IN METRES. DO NOT SCALE THIS DRAWING, PRINT, PLOT OR DISK.
5. THIS DRAWING SHOULD ONLY BE USED FOR CONSTRUCTION IF THE PROJECT PHASE IN THE TITLE FRAME BELOW IS SHOWN AS "CONSTRUCTION". PAUL BASHAM ASSOCIATES TAKE NO RESPONSIBILITY FOR CONSTRUCTION WORKS UNDERTAKEN TO DRAWINGS WHICH ARE NOT MARKED UNDER THIS PHASE.



Rev	Description	Date	By	Chkd
H	COMMENTS FROM VoG	18.12.23	CAT	MDS
G	COMMENTS FROM VoG	13.12.23	CAT	MDS
F	UPDATES TO LAYOUT	05.12.23	CAT	MDS
E	POST PLANNING COMMENTS	23.11.23	CAT	MDS
D	UPDATED SITE LAYOUT	20.06.23	ERG	MDS
C	UPDATED LAYOUT	08.06.23	ERG	MDS
B	ADDITION OF LAYOUT	21.11.22	DL	AST
A	REVISION INCORPORATING RSA COMMENTS	09.11.22	DL	AST

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Project Name DARREN HILL COWBRIDGE	Title PROPOSED ACCESS ARRANGEMENTS CHANGE OF SPEED LIMIT PLAN	<p>Paul Basham Associates Ltd Regus Castlemead, Lower Castle Street, Bristol, BS1 3AG 01179 175610 info@paulbashamassociates.com www.paulbashamassociates.com</p>	Client McCarthy Stone <i>Life, well lived</i>	Checked By MS	Checked Date 25.03.22	Scale 1:1000	(AT A3 SIZE)	
Project Phase PRELIMINARY				Drawn By AST	Drawn Date 24.03.22	Client Drawing No. -	PBA Drawing No. 034.0145.002	Revision H

KEY BUILDINGS:

- 1 BEDROOM ACCOMMODATION
- 2 BEDROOMS ACCOMMODATION
- COMMUNAL / SERVICE AREAS
- CIRCULATION
- OFFICE AREAS

KEY SITE:

- EXISTING RETAINING WALLS
- PROPOSED RETAINING WALLS
- EXISTING RISING MAIN
- DEVELOPMENT BOUNDARY
- PROPOSED ELECTRIC CHARGING UNITS

NOTES:

- LANDSCAPE INDICATIVE ONLY.
- SITE LEVELS/RETAINING WALLS SUBJECT TO CIVIL ENGINEER CONFIRMATION.
- HIGHWAY WORKS IN ACCORDANCE TO HIGHWAY CONSULTANT DESIGN AND SPECIFICATIONS.

A48

2023/00826/FUL

COWBRIDGE BY-PASS

DARREN HILL

LAY BY REMOVED

RL 33No PARKING SPACES

EXISTING RISING MAIN TO BE RETAINED

2.4M X 43M VISIBILITY SP

EXISTING RISING MAIN TO BE RETAINED

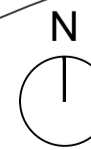
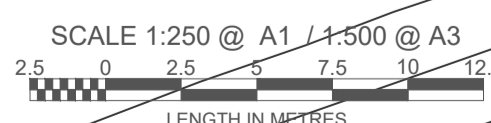
Proposed culvert

Rev No	Revision Description	Date	Checked By
001	Planning submission	20/06/23	AC
002	Update to respond to EPA comments. Lay by removed.	24/10/23	AC
003	Update following highway comments.	28/11/23	AC
004	Marking of additional parking bay added	11/12/23	AC

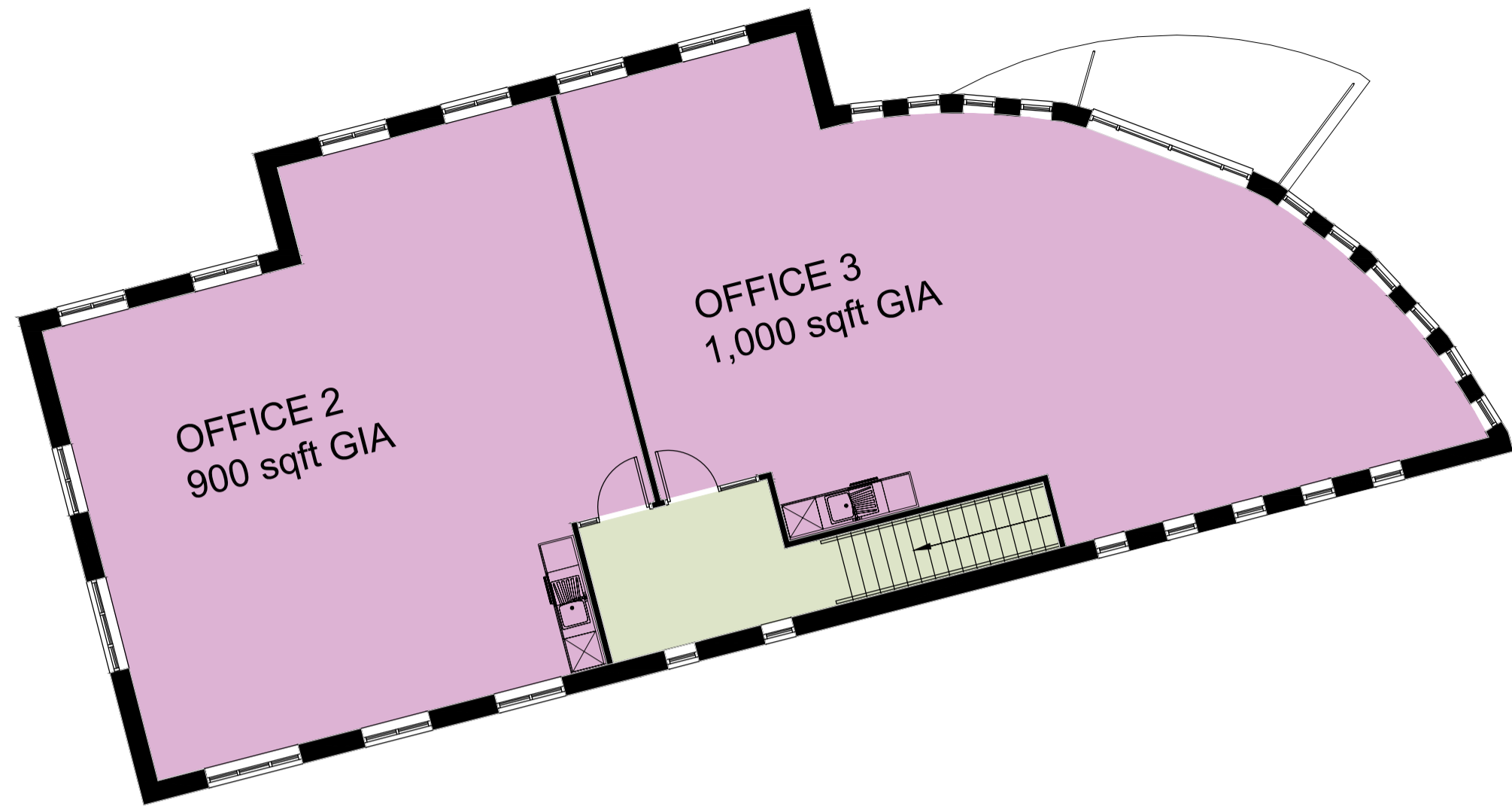
RETIREMENT LIVING
DARREN FARM, COWBRIDGE
Project
Dwg Title

SO-2849-03-AC-026-P09
224882-IDL-01-XX-DR-A-P2026-S3-P09

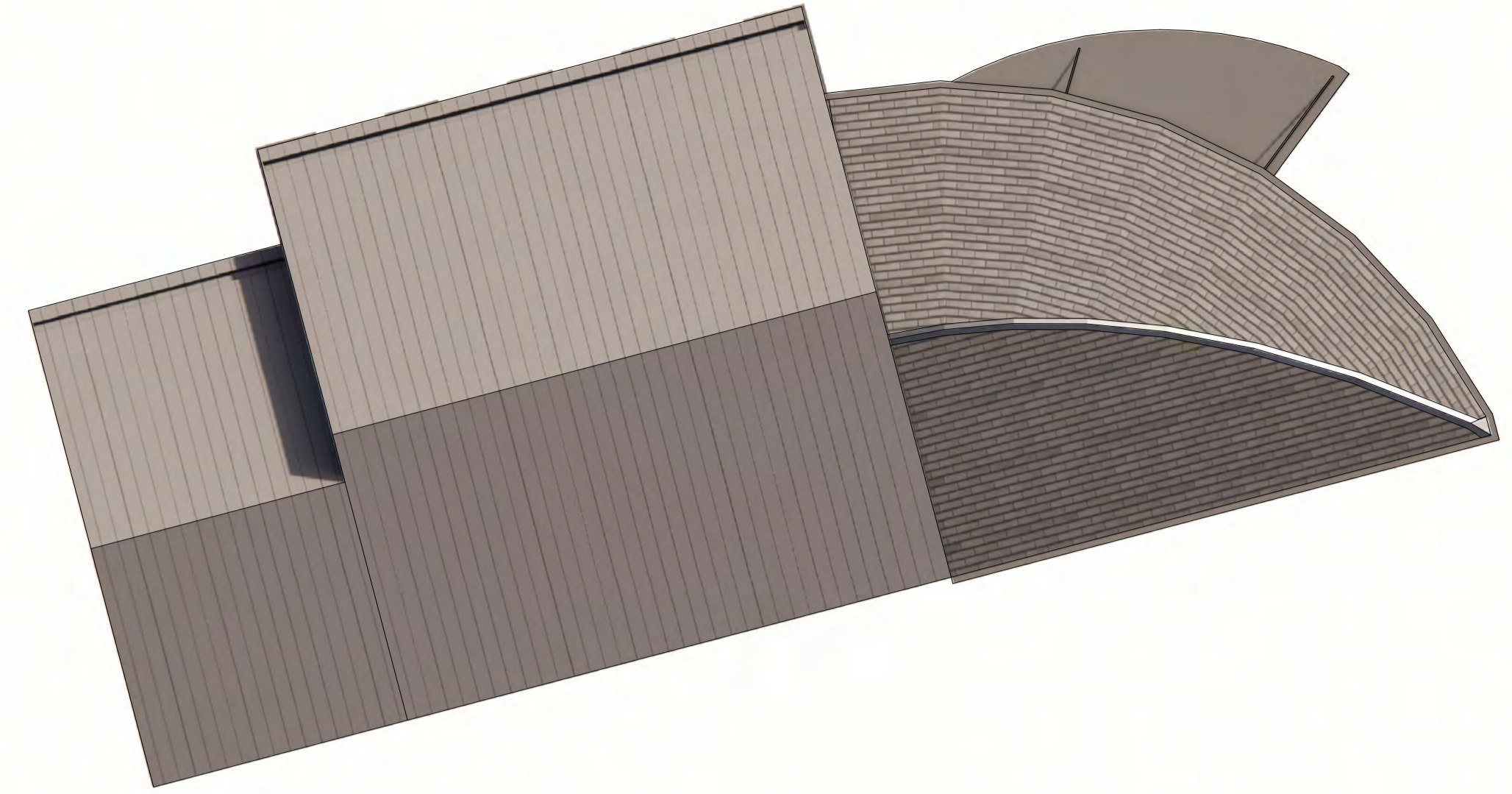
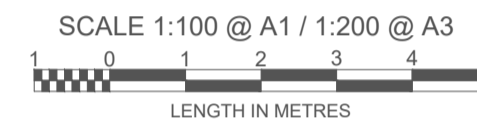
1:500 @A3
1:250 @A1
18.05.22



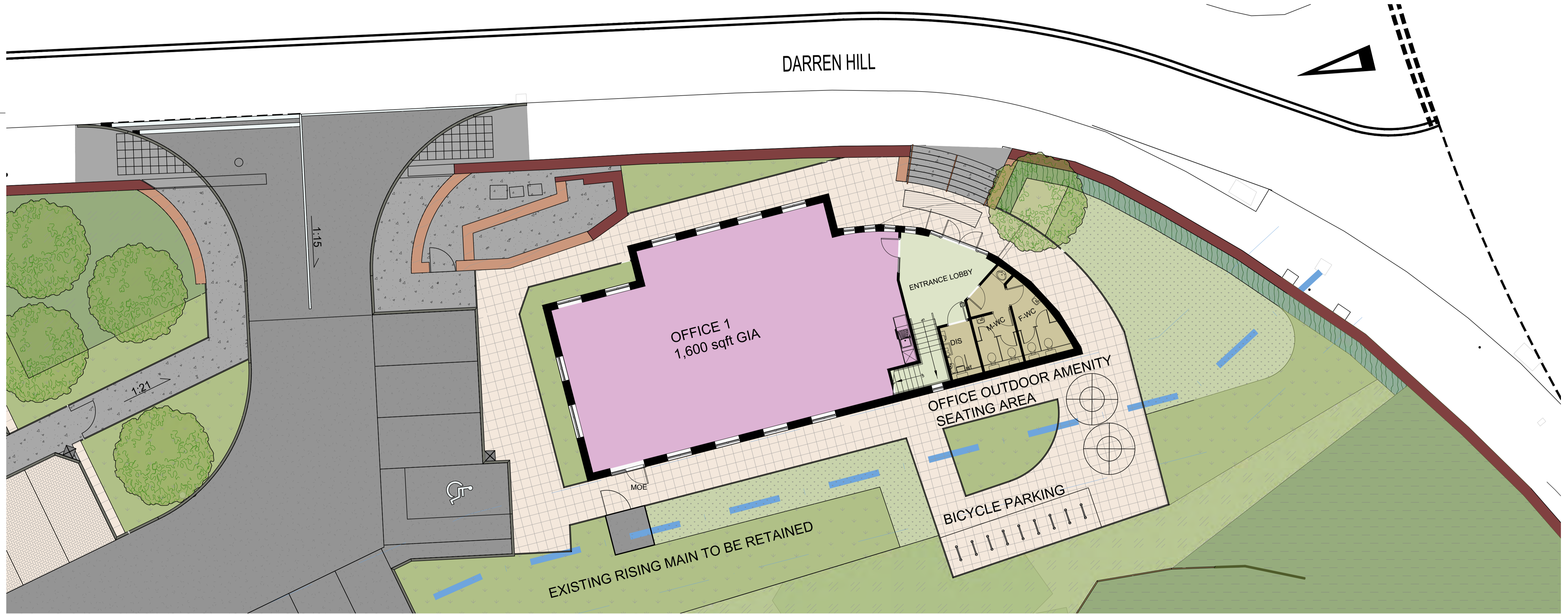
2023/00826/FUL



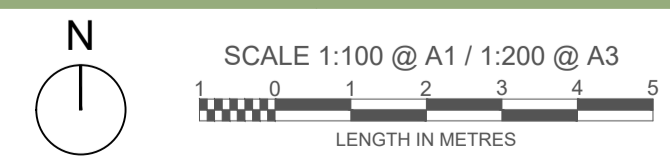
FIRST FLOOR PLAN



ROOF PLAN



GROUND FLOOR PLAN



Drawn By:	Checked By:
AC	AC
Date:	
24.08.23	
24.10.23	
Rev No:	Revision Description
001	Planning submission
002	Update to respond to LPA comments

OFFICE
DARREN FARM, COWBRIDGE
PROPOSED
FLOOR PLANS - OFFICE

224908-IDL-01-ZZ-DR-A-P2009-S3-P04

Scale: 1:200 @ A3 / 1:100 @ A1
Date: 30.11.22



10 Ty Nant Court, Morganstown, Cardiff CF15 8LW T: 029 2027 7926

Key

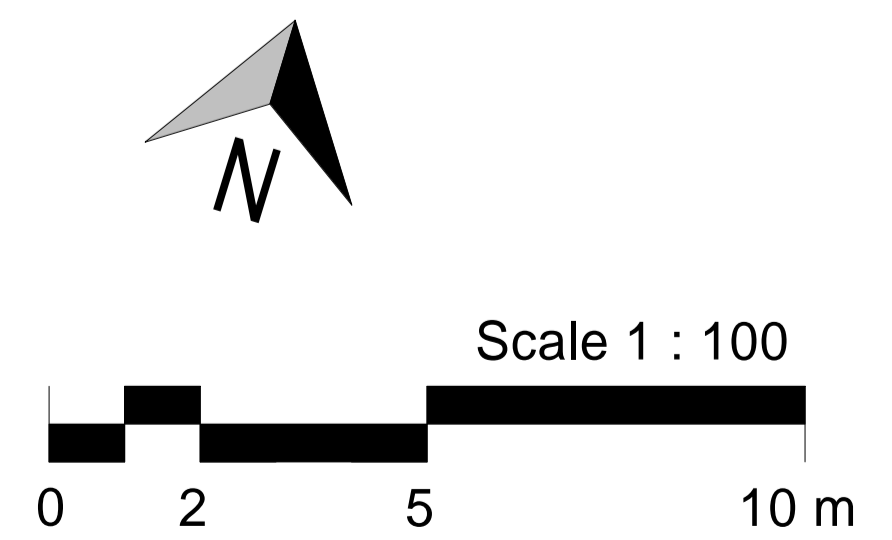
- 1 Bedroom Apartment
- 2 Bedroom Apartment
- Circulation
- Communal/ Service Areas

RETIREMENT LIVING PLUS APARTMENTS			
Level	1 BED	2 BED	TOTAL
GF - Ground Floor	9	5	14
01 - First Floor	11	7	18
02 - Second Floor	11	7	18
TOTAL	31	19	50

2023/00826/FUL



PROPOSED GROUND FLOOR PLAN
1:100



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Drawn By	Checked By
RB	AC

Rev No	Date
01	20/02/23
02	AC

RETIREMENT LIVING, DARREN FARM, COWBRIDGE

GROUND FLOOR PLAN GA

Region	Job No
SO-2849-03-AC-027-P05	
Inspire No	Originator
224882 - IDL - 01 - GF - DR - A - P20027 - S3 - P05	

Scale 1 : 100
Date 31/10/22

MCCARTHY STONE
Life, we'll live it
inspire design

Key

- 1 Bedroom Apartment
- 2 Bedroom Apartment
- Circulation
- Communal/ Service Areas

2023/00826/FUL

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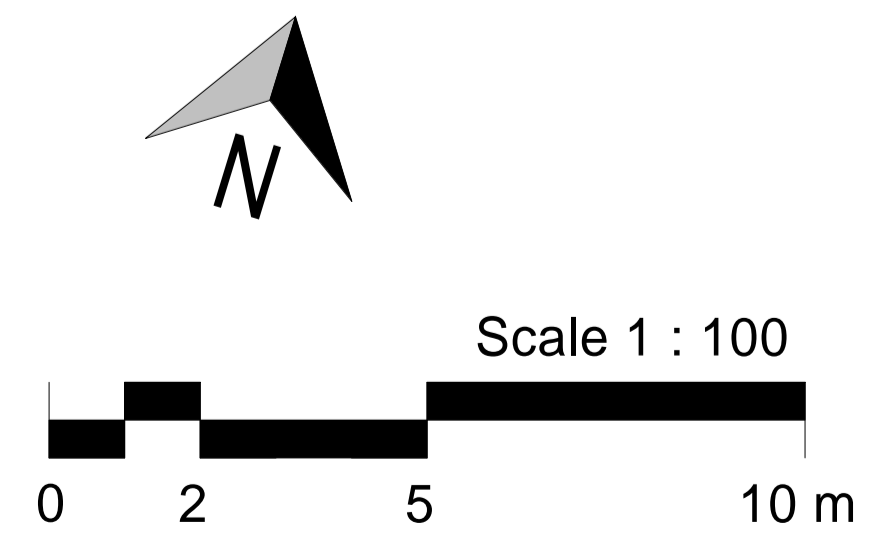
 Do not scale, work to figured dimensions only.

 Drawn By RB Checked By AC

Rev No	Date	Description
001	20/02/23	Planning Submission



PROPOSED FIRST FLOOR PLAN
1 : 100



RETIREMENT LIVING - DARREN FARM, COWBRIDGE
 FIRST FLOOR PLAN GA

Region	Job No	Stage	Role	Rev	Dwg No	Revision
SO-2849-03-AC-028-P04						

Inspire No	Originator	Volume	Level	Type	Role	Number	Stage	Revision
224882	IDL	01	01	DR	A	P20028	S3	P04

@ A1
 Scale 1 : 100
 Date 31/10/22

McCARTHY STONE

Life, we'll lived

inspire

design

10 Ty Neel Court, Margate, Kent, CT15 5LW, T: 0202 2022 7926

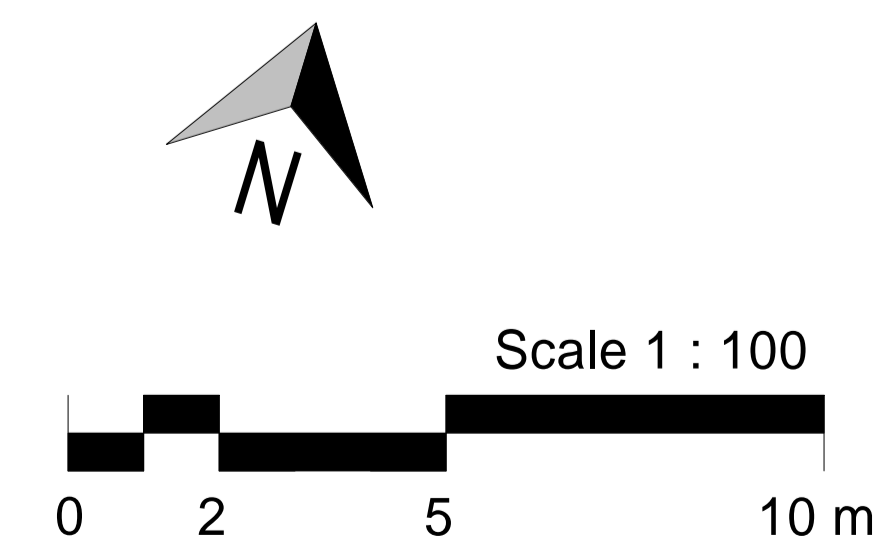
Key

- 1 Bedroom Apartment
- 2 Bedroom Apartment
- Circulation
- Communal/ Service Areas

2023/00826/FUL



PROPOSED SECOND FLOOR PLAN
1:100



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Drawn By RB Checked By AC

Retirement Living, Darren Farm, Cowbridge
SECOND FLOOR PLAN GA

Region	Job No	Stage	Role	Rev	Dwg No	Revision
SO-2849-03-AC-029-P04						
Originator	Volume	Level	Type	Role	Number	Stage
224882 - IDL - 01 - 02 - DR - A - P20029 - S3 - P04						

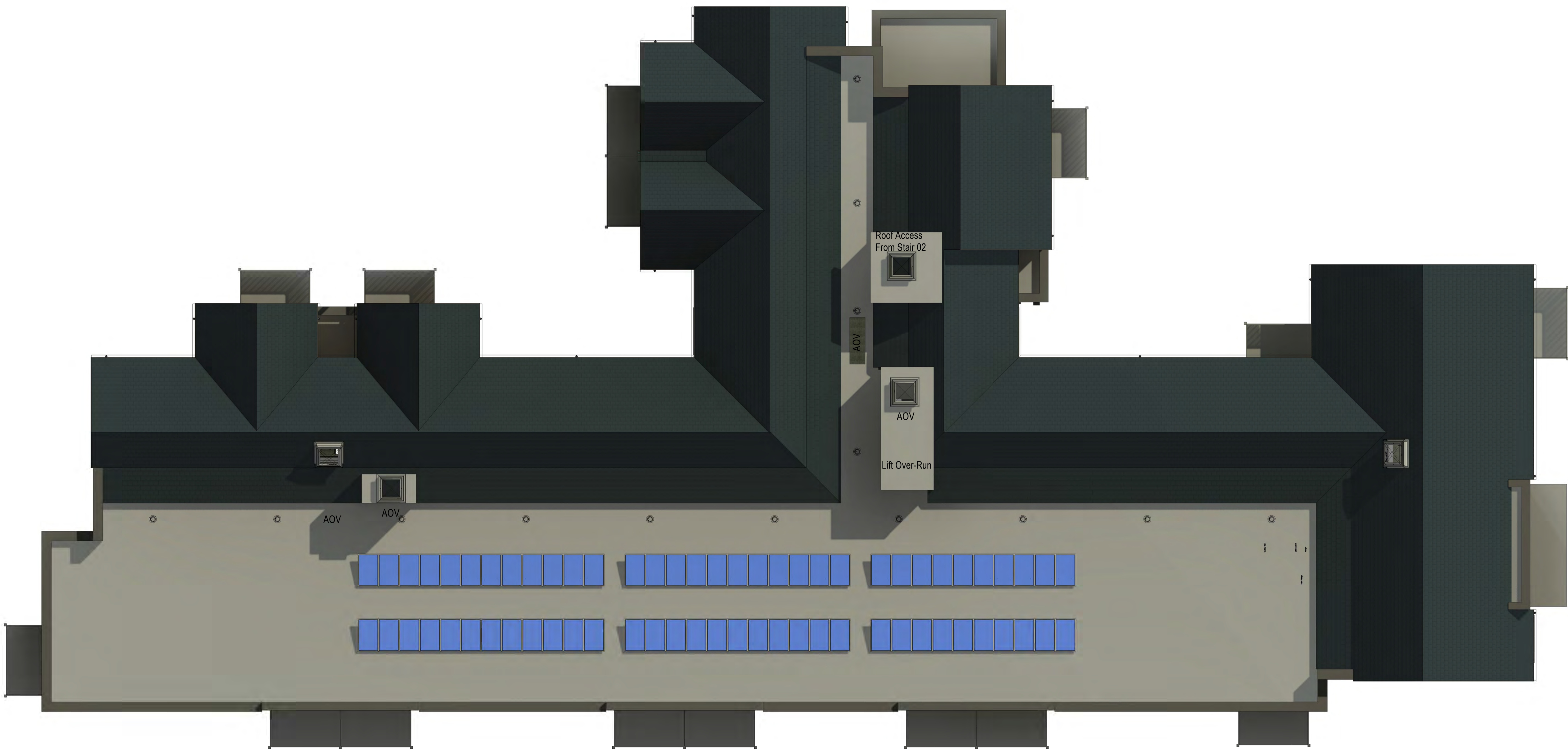
Scale 1 : 100
Date 15/03/22

2023/00826/FUL



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Drawn By Author Checked By Checker



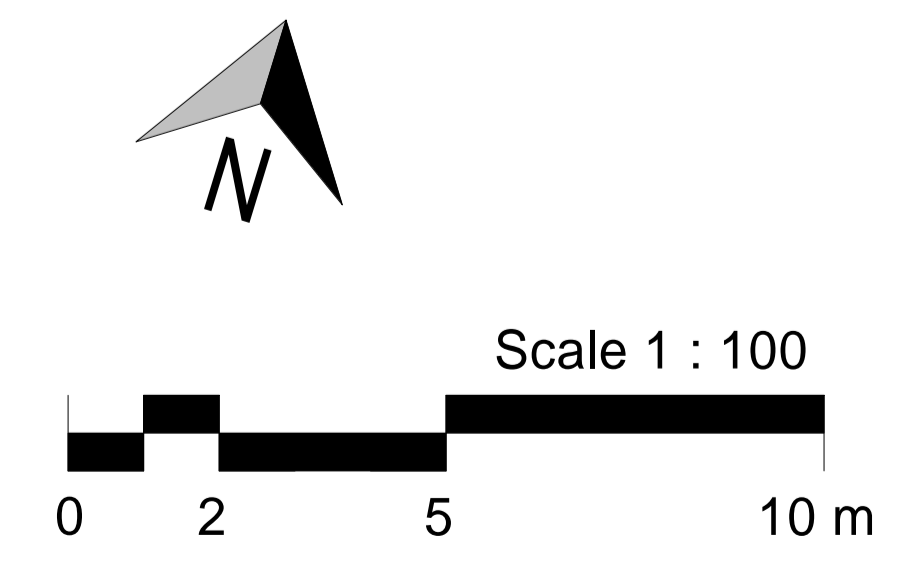
Rev No	Date	Author	Checked By
P06	20.02.23	AC	AC

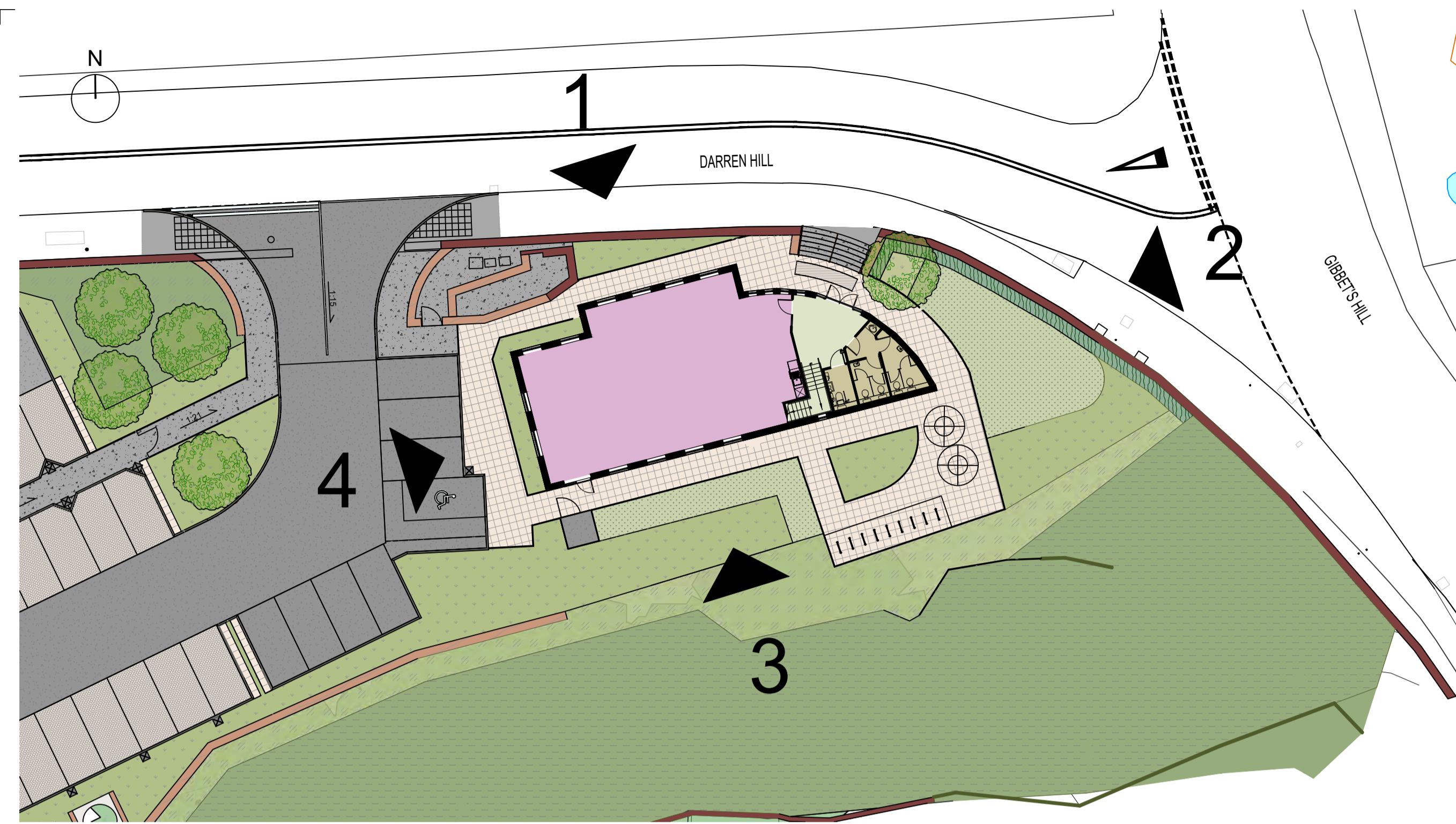
Revision Description
Planning Submission

Region	Job No	Stage	Role	Dwg No	Revision
SO-2849-03-AC-034-P06					

Inspire No.	Originator	Volume	Level	Type	Role	Number	Stage	Revision
224882	IDL	01	01	DR	A	P20034	S3	P06

Scale	Date
@ A1	08/04/17





LOCATION PLAN

SCALE 1:250 @ A1 / 1:500 @ A3
 2.5 0 2.5 5 7.5 10 12.5
 LENGTH IN METRES



ELEVATION 1

SCALE 1:100 @ A1 / 1:200 @ A3
 1 0 1 2 3 4 5
 LENGTH IN METRES



Walling:
Stone cladding



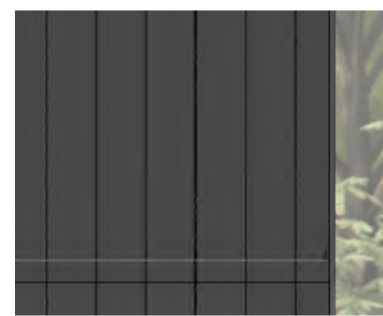
Walling:
Timber cladding



Walling:
Profiled metal
sheeting
Graphite



Roofing:
Slate tiles
Graphite



Roofing:
Profiled metal
sheeting
Graphite



Windows:
Powder coated
aluminum frame
Graphite



Canopy:
Cantilevered powder
coated aluminum canopy



ELEVATION 2

SCALE 1:100 @ A1 / 1:200 @ A3
 1 0 1 2 3 4 5
 LENGTH IN METRES



ELEVATION 3

SCALE 1:100 @ A1 / 1:200 @ A3
 1 0 1 2 3 4 5
 LENGTH IN METRES



ELEVATION 4

SCALE 1:100 @ A1 / 1:200 @ A3
 1 0 1 2 3 4 5
 LENGTH IN METRES



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Rev No	Revision Description	Drawn By	Checked By
003	Planning submission	AC	AC
004	Update to respond to LPA comments	AC	AC

OFFICE
DARREN FARM, COWBRIDGE
PROPOSED
ELEVATIONS- OFFICE

224908-IDL-01-XX-DR-A-P2010-S3-P04

Scale: Varies @A3
 Varies @A1
 Date: 30.11.22

2023/00826/FUL



ELEVATION 1 (NORTH)
1 : 100

- Approximate position of Darren Hill top of path wall level
- Approximate position of Darren Hill at road level
- Approximate position of the A48 By-Pass at road level



ELEVATION 2 (EAST)
1 : 100

Materials Key:

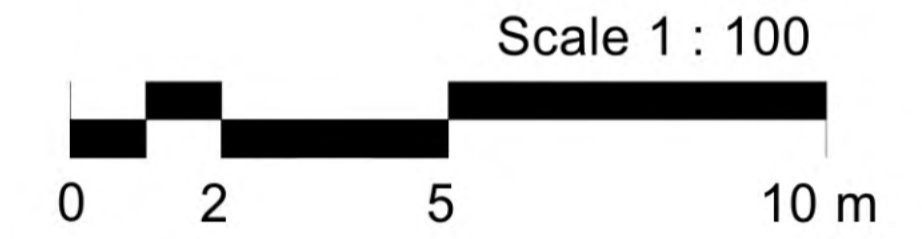
-  Brick buff
-  Composite cladding laid vertically. Smooth. Grey
-  Balconies and Juliet balconies with metal railing. Grey
-  Recon tile for roofing Graphite
-  UPVC windows and doors. Grey
-  New stone walling

2023/00826/FUL




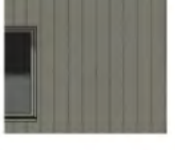




ELEVATION 3 (SOUTH)
1 : 100

- Approximate position of Darren Hill top of path wall level
- Approximate position of Darren Hill at road level
- Approximate position of the A48 By-Pass at road level



ELEVATION 4 (WEST)
1 : 100

Materials Key:

-  Brick buff
-  Composite cladding laid vertically. Smooth. Grey
-  Balconies and Juliet balconies with metal railing. Grey
-  Recon tile for roofing. Graphite
-  UPVC windows and doors. Grey
-  New stone walling

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Drawn By RB Checked By AC

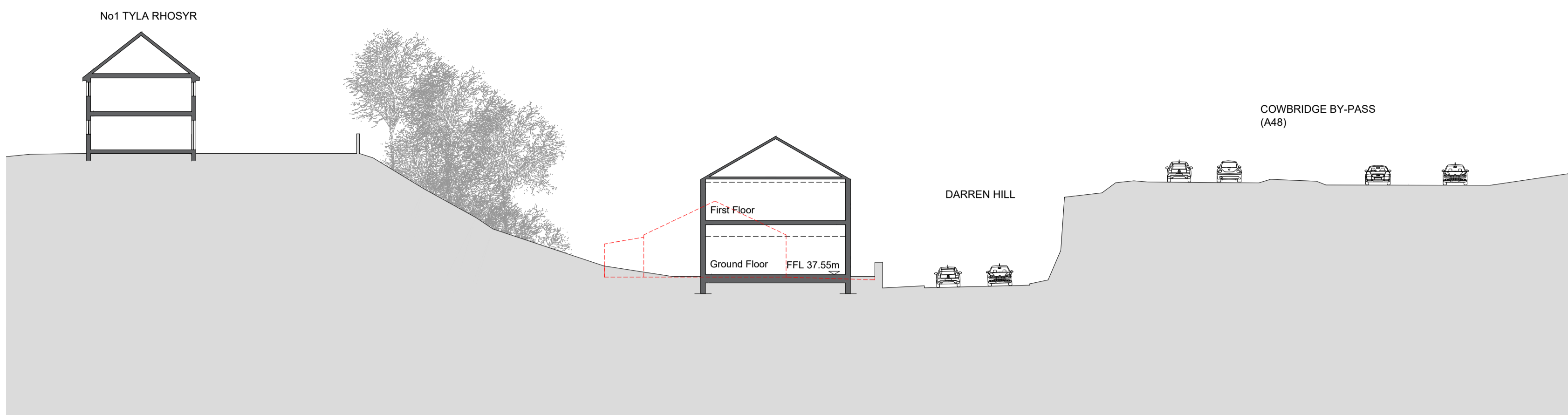
Rev No	Rev Description	Date	By
01	Planning Submission	20/02/23	AC

RETIREMENT LIVING - DARREN FARM, COWBRIDGE
ELEVATIONS 02 - COLOURED

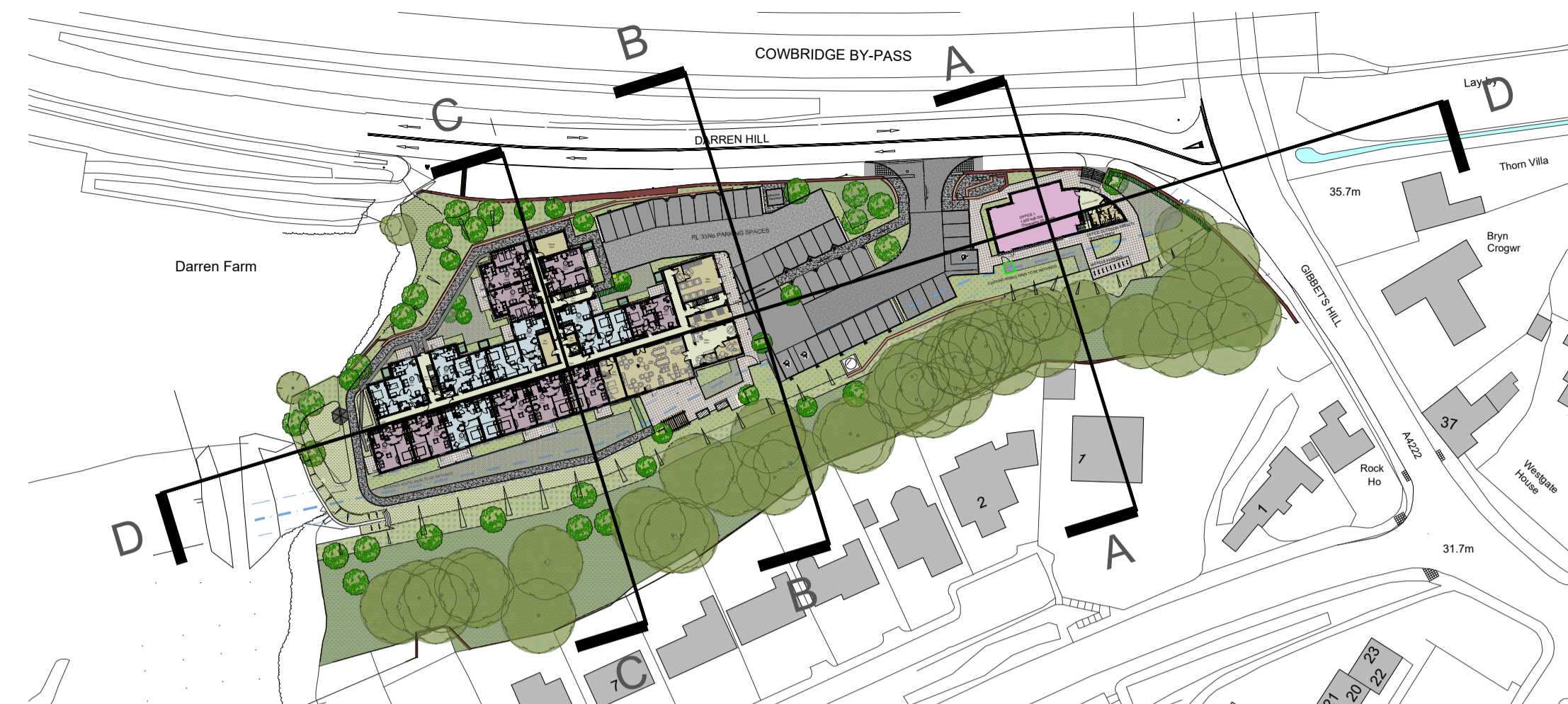
Region	Job No	Stage	Rev	Dwg No	Revision			
SO-2849-03-AC-038-P07								
Inspire No.	Originator	Volume	Level	Type	Role	Number	Stage	Revision
224882	IDL	01	ZZ	DR	A	P30038	S3	P07

@A1
Scale 1 : 100
Date 31/10/22

Rev No	Revision Description	Drawn By	Checked By
001	Planning submission	AC	AC
002	Site plan updated	AC	AC
003	Response with embankment	AC	AC
004	Site plan updated	AC	AC



Section A-A

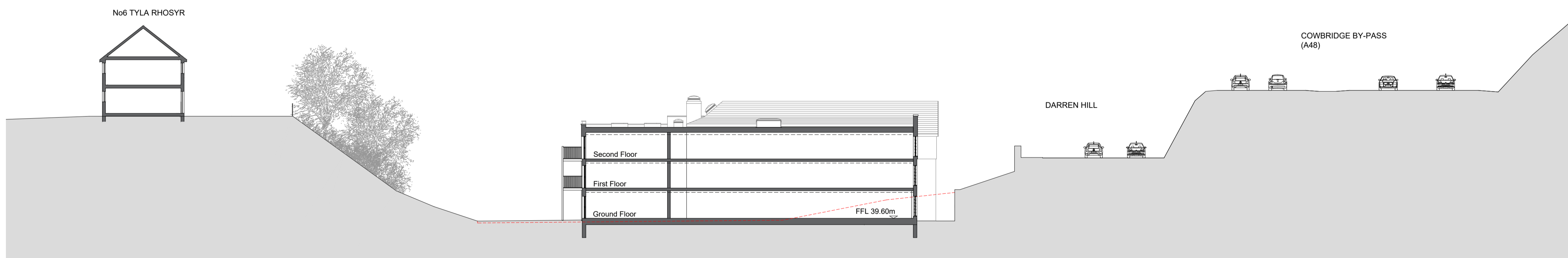


Section Key Plan

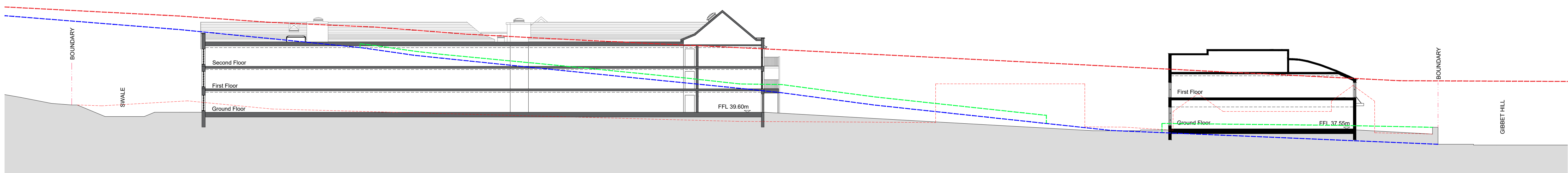


Section B-B

- KEY:**
- Approximate position of Darren Hill top of path wall level
 - Approximate position of Darren Hill at road level
 - Approximate position of the A48 By-Pass at road level
 - Existing levels



Section C-C



Section D-D

RETIREMENT LIVING
DARREN FARM, COWBRIDGE
PROPOSED SITE SECTIONS

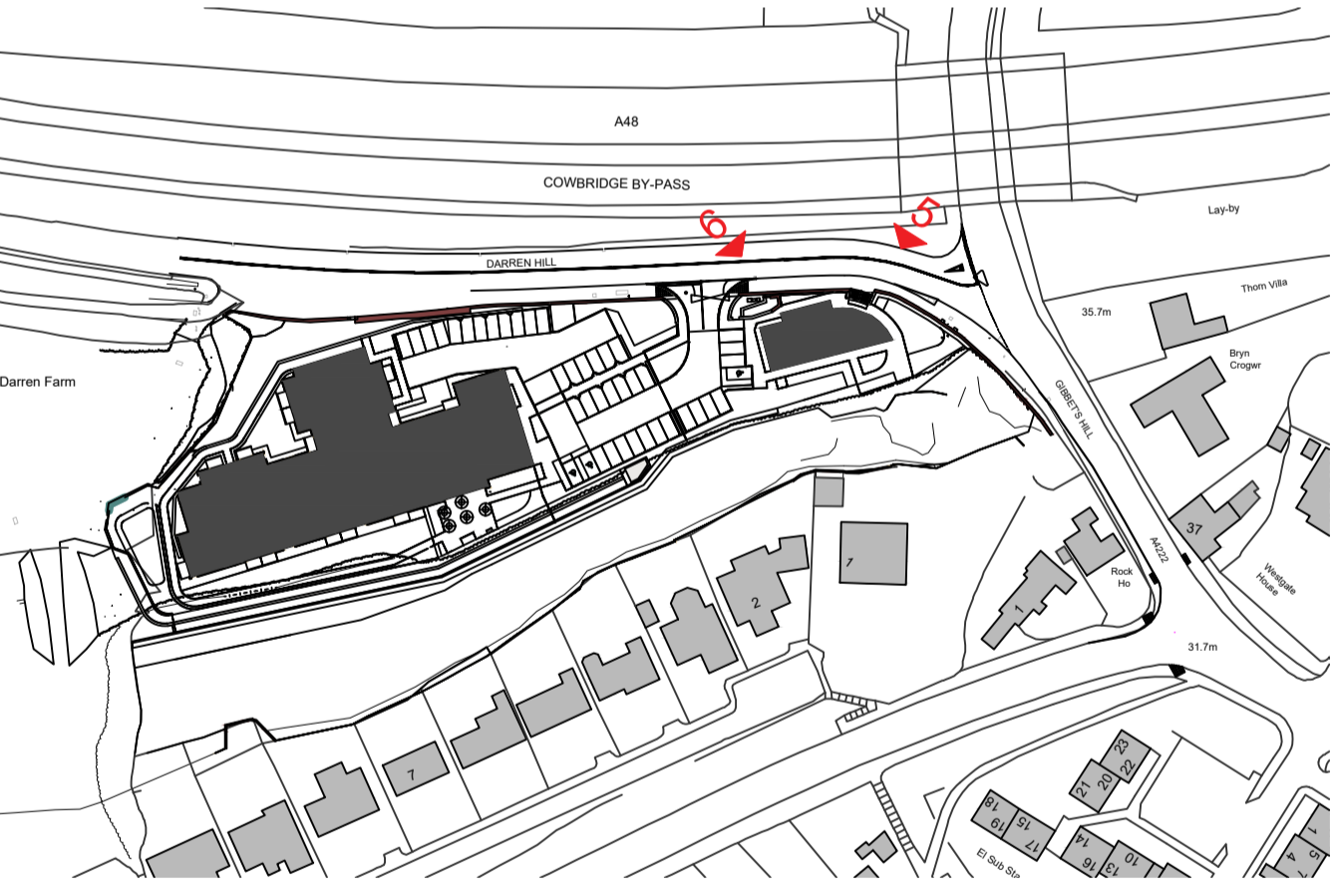
SO-2849-03-AC-039-P04
224882-IDL-01-XX-DR-A-P4039-S3-P04

Varies @A3
Varies @A1
08.12.22



VIEW 5

2023/00826/FUL



KEY PLAN



VIEW 6

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Drawn By:	Checked By:
AC	AC

Rev No.	Revision Description	Date
001	Planning submission	24.08.23
002	Update to response to LPA comments	24.10.23

OFFICE
DARREN FARM, COWBRIDGE
PROPOSAL OVERVIEW - OFFICE
PERSPECTIVE VIEWS

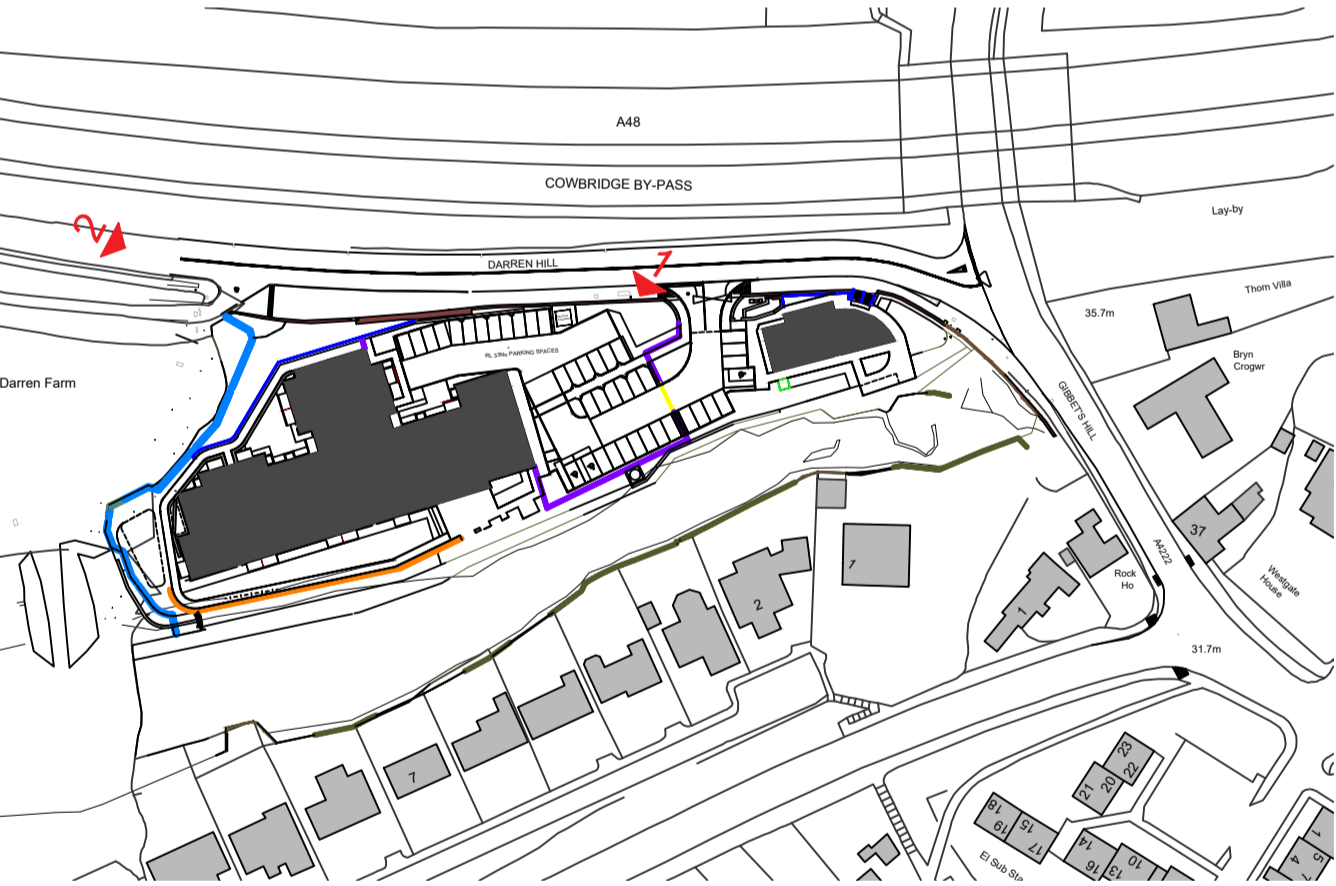
224908-IDL-01-XX-DR-A-P4015-S3-P04

nts@A3
nts@A1
Date: 30.11.22



VIEW 1
Trees removed for clarity

2023/00826/FUL



KEY PLAN



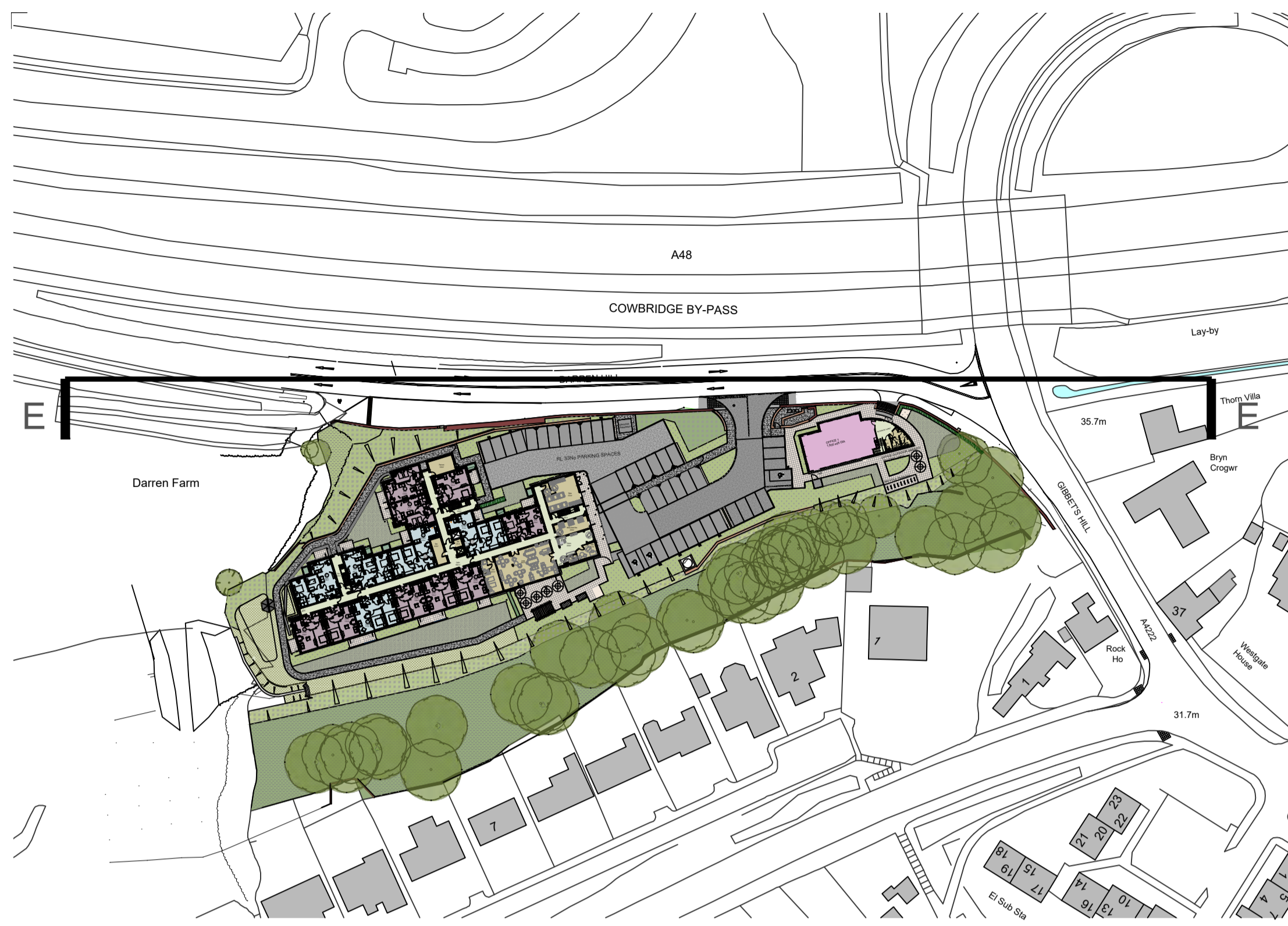
VIEW 2

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Drawn By: AC	Checked By: AC
Rev No: 01/14	Date: 22.09.23
02/14	24.10.23
03/14	
04/14	
05/14	
06/14	
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100/14	

RETIREMENT LIVING
DARREN FARM, COWBRIDGE
RETIREMENT LIVING
PERSPECTIVE VIEWS (THREE STOREY OPTION)

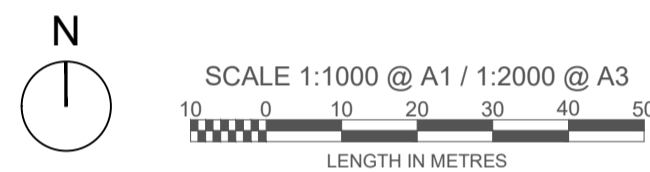
SO-2849-03-AC-046-P07
224882-1DL-01-XX-DR-A-P6046-S03-P07

NTS@A3
NTS@A1
24.06.22



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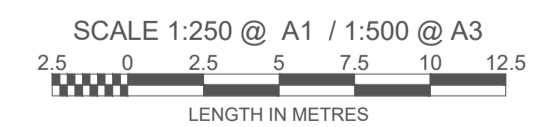
Section Key Plan



2023/00826/FUL



Section E-E Street view along Darren Hill



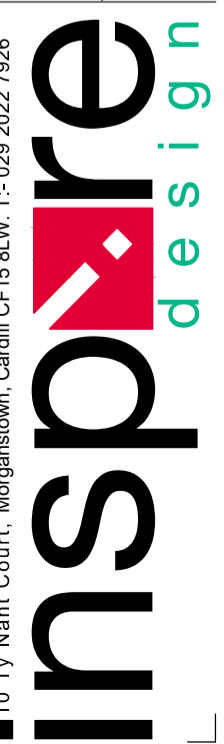
Drawn By: AC
Checked By: AC

Rev No	Revision Description	Date	By	Checked By
01	Planning Submission	22.09.23	AC	AC
02	Update to respond to LPA comments	24.10.23	AC	AC
03	Update to respond to LPA comments	24.10.23	AC	AC

Project: RETIREMENT LIVING DARREN FARM, COWBRIDGE
Dwg Title: PROPOSED STREET VIEW ALONG DARREN HILL

SO-2849-03-AC-040-P09
224882-1DL-01-XX-DR-A-P4040-S3-P09

Scale: 1:500 @ A3 / 1:250 @ A1
Date: 18.05.22



2023/00826/FUL



2023/00826/FUL



2023/00826/FUL



2023/00826/FUL



2023/00826/FUL



2023/00826/FUL

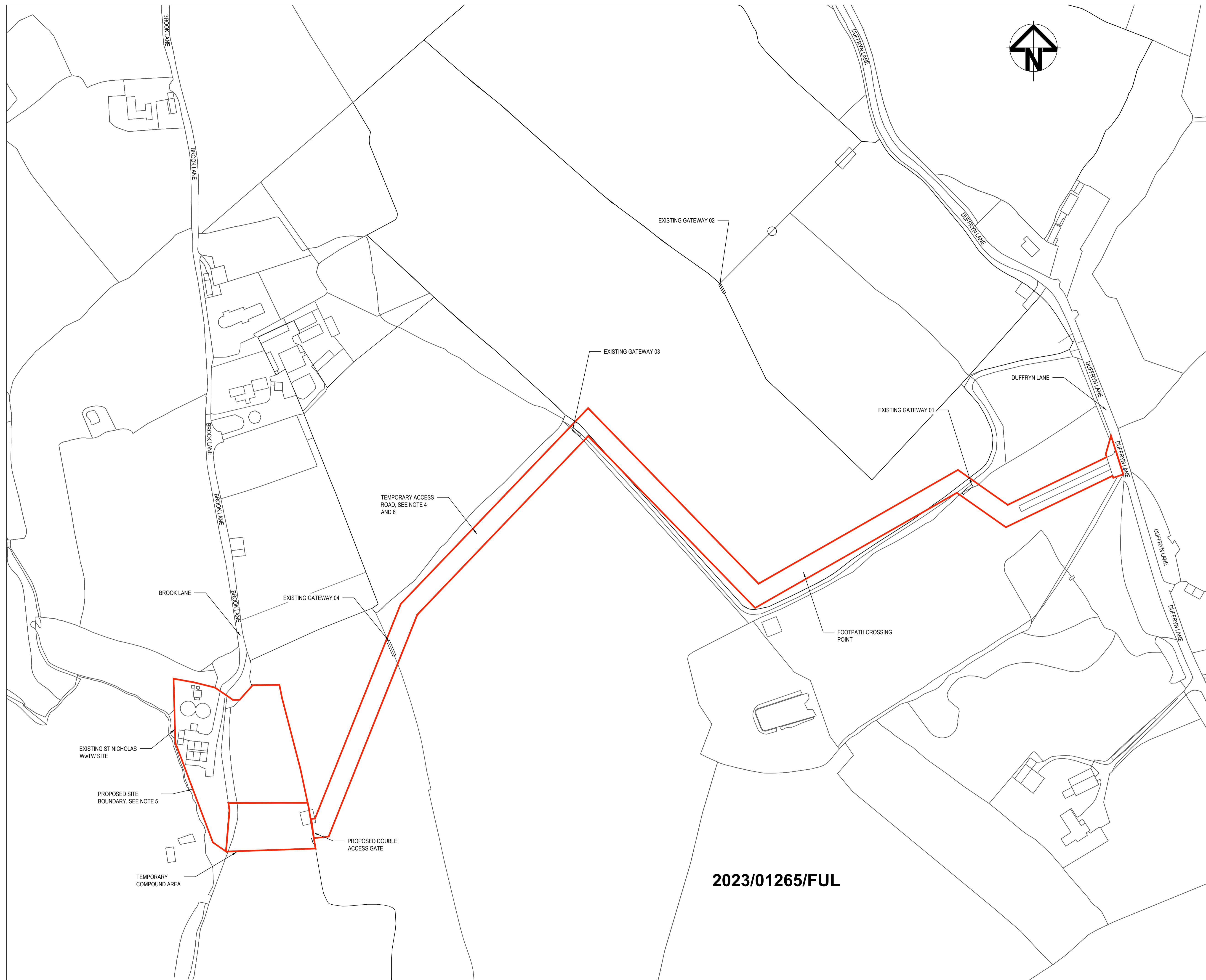
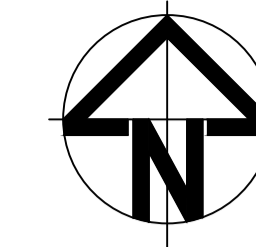


NOTES:

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2. ALL DIMENSIONS IN MILLIMETRES AND LEVELS IN METRES ABOVE ORDNANCE DATUM (NEWLYN) UNLESS NOTED OTHERWISE.
3. ALL COORDINATES IN RELATION TO OS NATIONAL GRID.
4. THE TOTAL LENGTH OF THE ACCESS ROAD IS APPROXIMATELY 830m. TOTAL AREA APPROXIMATELY 11620M².
5. THE TOTAL AREA OF THE PROPOSED SITE IS APPROXIMATELY 7297m².
6. TEMPORARY CONSTRUCTION ACCESS ROAD DESIGN TO BE COMPLETED BY MORGAN SINDALL TEMPORARY WORKS DESIGN TEAM.

KEY

PROPOSED SITE BOUNDARY AND TEMPORARY ACCESS ROAD



2023/01265/FUL

P02	10/10/23	AO	FOR INFORMATION	DO	SP	10/10/23
P01	07/06/23	AO	FOR INFORMATION	DO	SP	07/06/23
Rev.	Date	Drawn	Description	Chkd.	Appd.	Date

Capital Delivery Alliance
Cynghair Cyflawni Cyfalaf
 Ty Awen, Spooner Close, Coed Kernew, Newport, NP108FZ

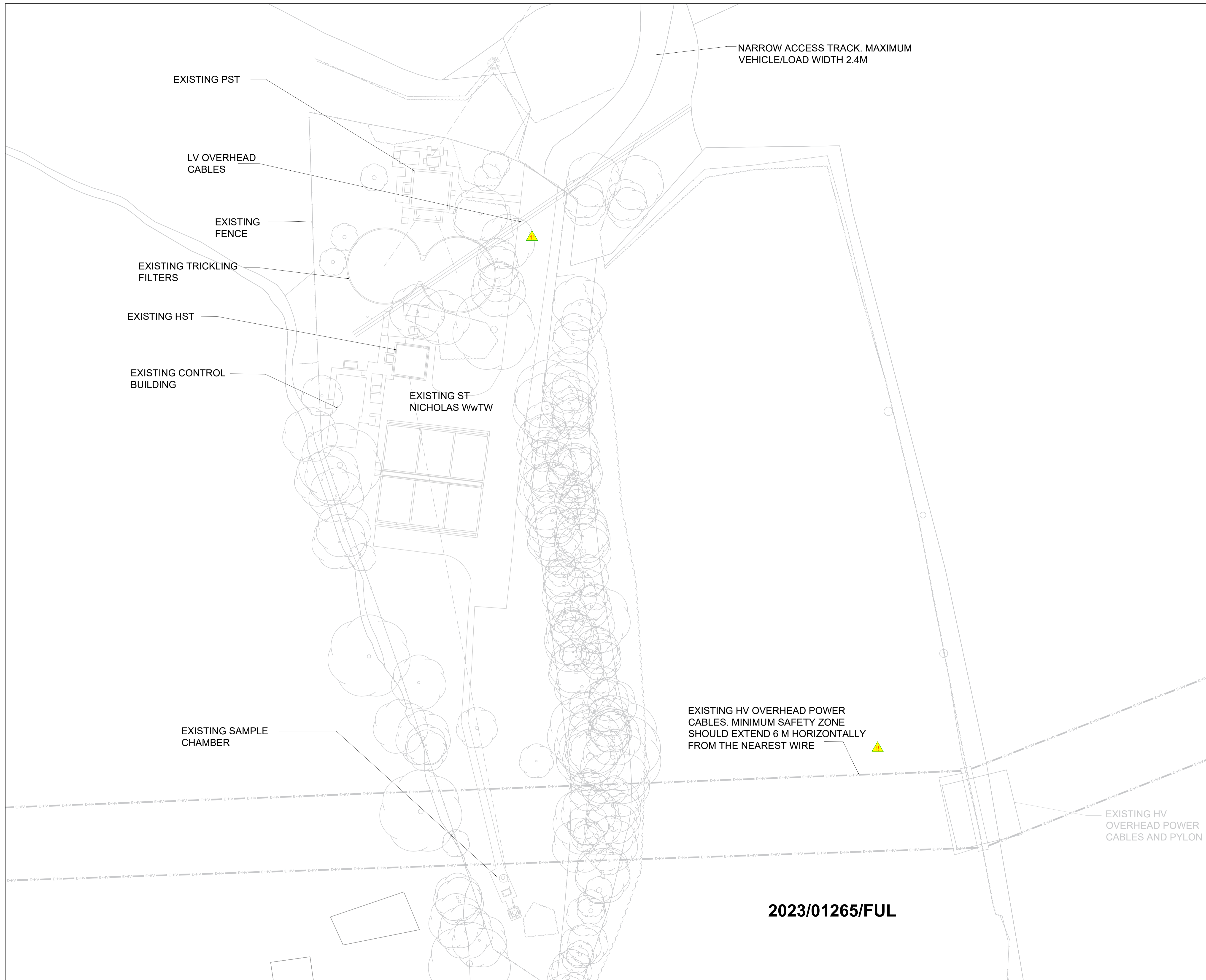
Project Name: **ST NICHOLAS WwTW C&ID QUALITY PROJECT**

Drawing Title: **PLANNING LOCATION PLAN**

Suitability: **FOR INFORMATION** Suitability Code: **S2**

Originator: **A.OSMAN** Designer: **A.OSMAN** Date: **10/10/23**
 Internal Project Number: **10048407** Scale: **1:1250** Rev: **P02**

Drawing Number: **B10181-0AG964-ZZ-ZR-DR-TA-PN0235**



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3. ALL COORDINATES IN RELATION TO OS NATIONAL GRID.

SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION	
IN ADDITION TO THE HAZARDS / RISKS NORMALLY ASSOCIATED WITH THE TYPES OF WORK DETAILED ON THIS DRAWING, NOTE THE FOLLOWING.	
CONSTRUCTION	
⚠	OVERHEAD ELECTRIC CABLES
MAINTENANCE / CLEANING / OPERATION	
⚠	NO RESIDUAL RISKS IDENTIFIED
DECOMMISSIONING / DEMOLITION	
⚠	NO RESIDUAL RISKS IDENTIFIED
REFER TO THE DESIGN RISK REGISTER FOR FURTHER DETAILS. IT IS ASSUMED THAT ALL THE WORKS ON THIS DRAWING WILL BE CARRIED OUT BY A COMPETENT CONTRACTOR WHO HAS CARRIED OUT A COMPREHENSIVE RISK ASSESSMENT.	

Rev.	Date	Drawn	Description	Chkd.	Appd.	Date
P01	20/10/23	DO	FOR INFORMATION	DO	SP	20/10/23

Capital Delivery Alliance
Cynghair Cyflawni Cyfalaf
 Ty Awen, Spooner Close, Coed Kernew, Newport, NP108FZ

Project Name: **ST NICHOLAS WWTW C&ID QUALITY PROJECT**

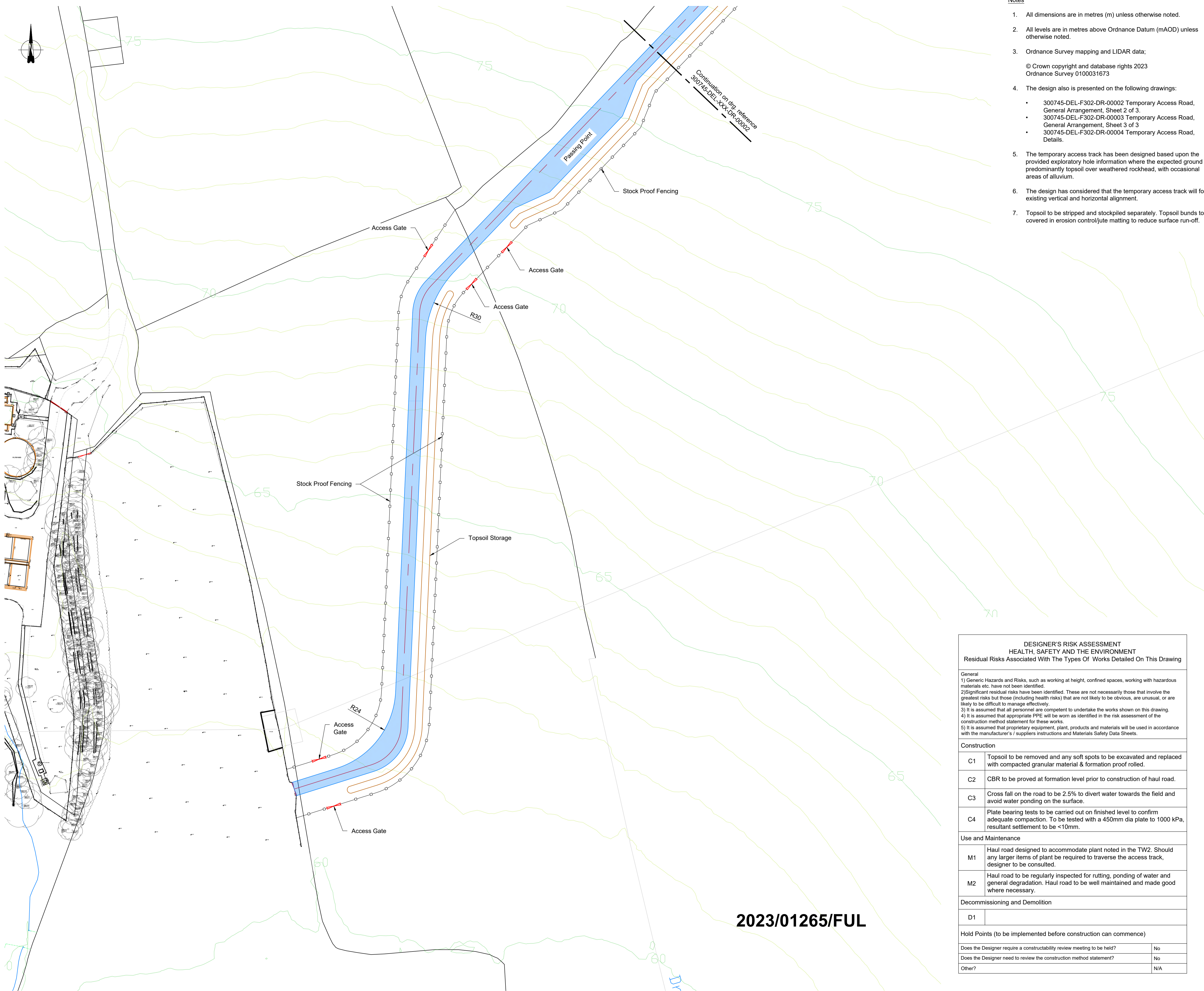
Drawing Title: **EXISTING SITE PLAN**

Suitability: **FOR INFORMATION** Suitability Code: **S2**

Originator: **D. OLD** Designer: **D. OLD** Date: **21/10/23**

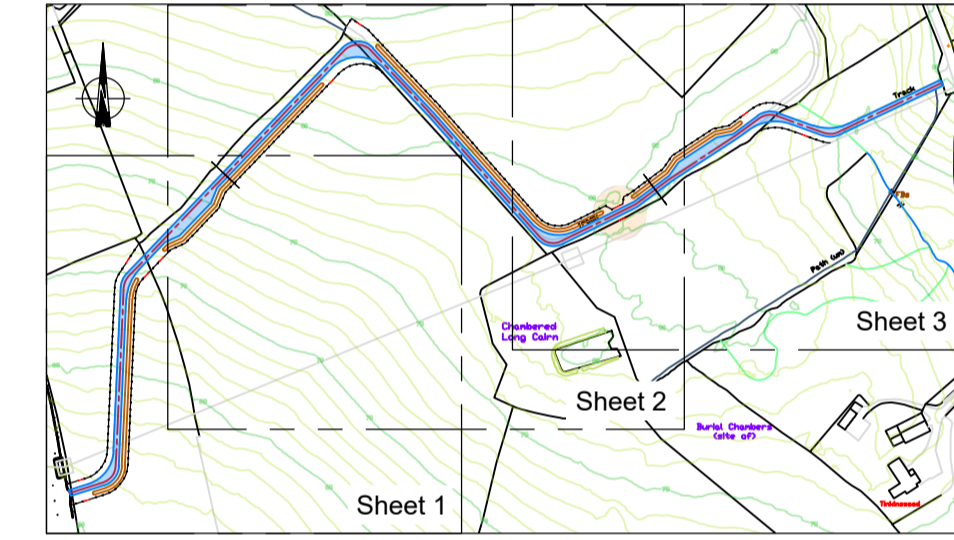
Internal Project Number: **10048407** Scale: **1:250** Rev: **P01**

Drawing Number: **B10181-0AG964-ZZ-ZZ-DR-CA-DI0312**



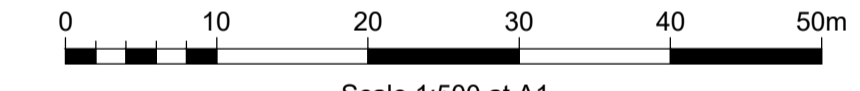
Notes

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- Ordnance Survey mapping and LIDAR data;
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Ordnance Survey 0100031673
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 - 300745-DEL-F302-DR-00002 Temporary Access Road, General Arrangement, Sheet 2 of 3.
 - 300745-DEL-F302-DR-00003 Temporary Access Road, General Arrangement, Sheet 3 of 3
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Location Plan

Scale 1:5000



Scale 1:500 at A1

DESIGNER'S RISK ASSESSMENT
HEALTH, SAFETY AND THE ENVIRONMENT
 Residual Risks Associated With The Types Of Works Detailed On This Drawing

General
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C2	CBR to be proved at formation level prior to construction of haul road.
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Decommissioning and Demolition

D1	
----	--

Hold Points (to be implemented before construction can commence)

Does the Designer require a constructability review meeting to be held?	No
Does the Designer need to review the construction method statement?	No
Other?	N/A

2023/01265/FUL

Rev.	Description of Revision	Designed	Drawn	Checked	Approved	Date
P01	First Issue	KET	NL	ND	PT	08-06-23



Project: St Nicholas

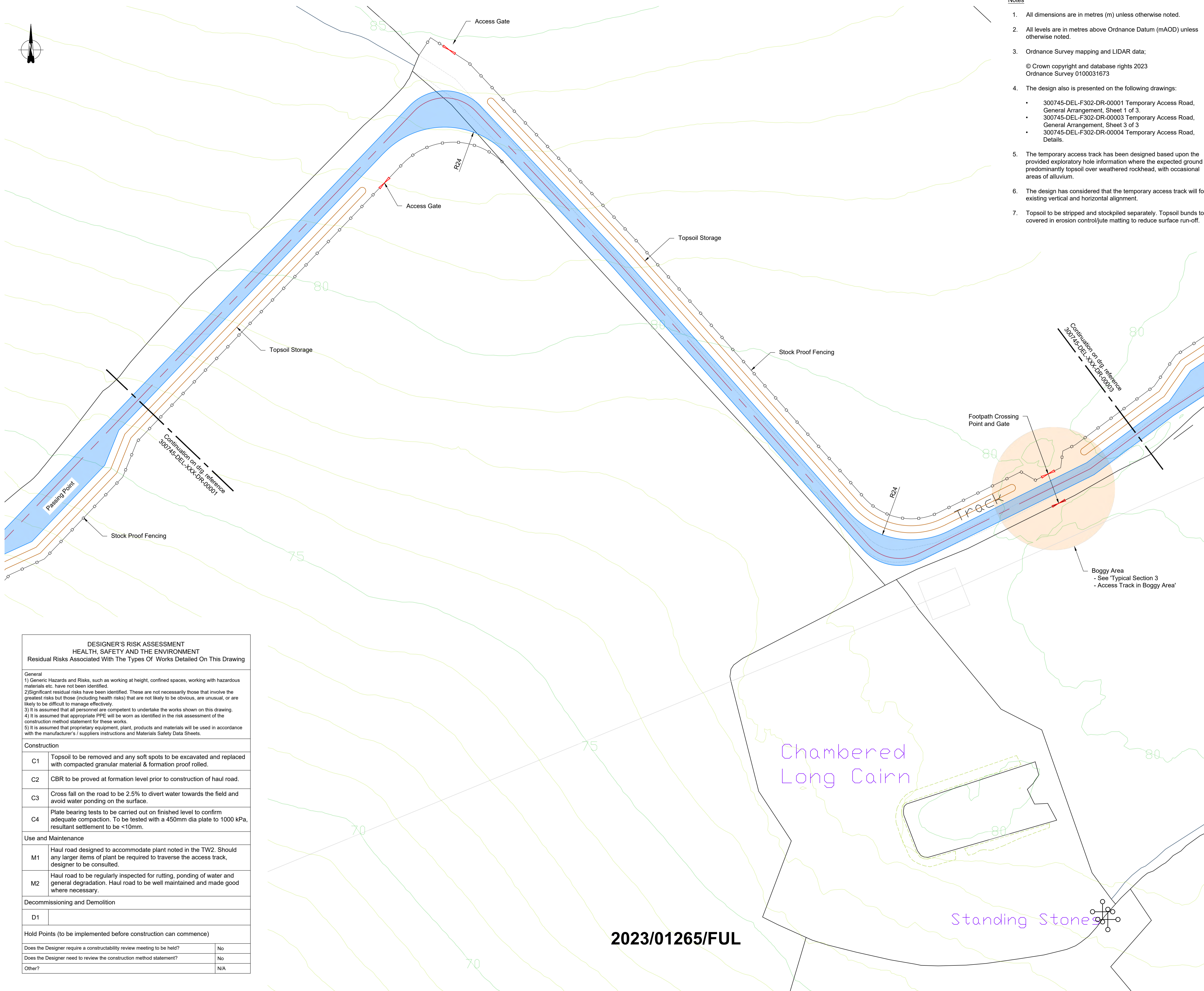


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 Corporation Street Rugby Warwickshire CV21 2DW
 T 01788 534500 morgansindall.com

Drawing Title
Temporary Access Road
General Arrangement
 Sheet 1 of 3

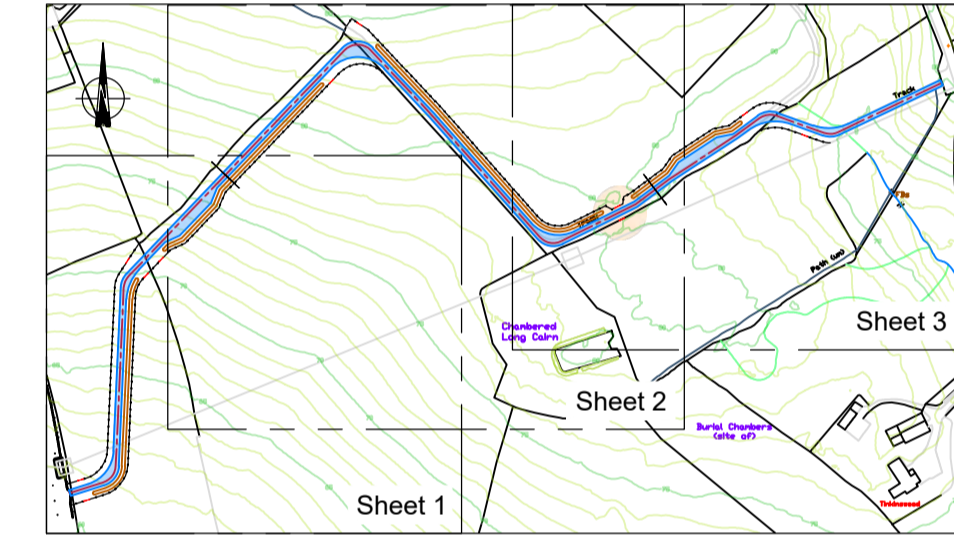
Drawing No.	300745-DEL-XXX-DR-00001	Revision	P01
Scale	1:500	Original Size	A1
Drawing status	Preliminary		

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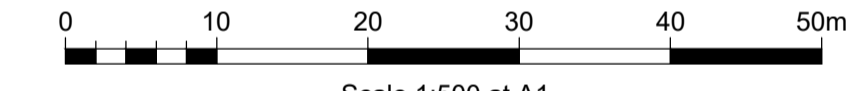
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Location Plan

Scale 1:500



DESIGNER'S RISK ASSESSMENT HEALTH, SAFETY AND THE ENVIRONMENT Residual Risks Associated With The Types Of Works Detailed On This Drawing	
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Decommissioning and Demolition	
D1	
Hold Points (to be implemented before construction can commence)	
Does the Designer require a constructability review meeting to be held?	No
Does the Designer need to review the construction method statement?	No
Other?	N/A

Rev.	Description of Revision				
P01	First Issue				
	Designed KET	Drawn NL	Checked ND	Approved PT	Date 08-06-23



Project: St Nicholas



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Corporation Street Rugby Warwickshire CV21 2DW
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Drawing Title
**Temporary Access Road
General Arrangement
Sheet 2 of 3**

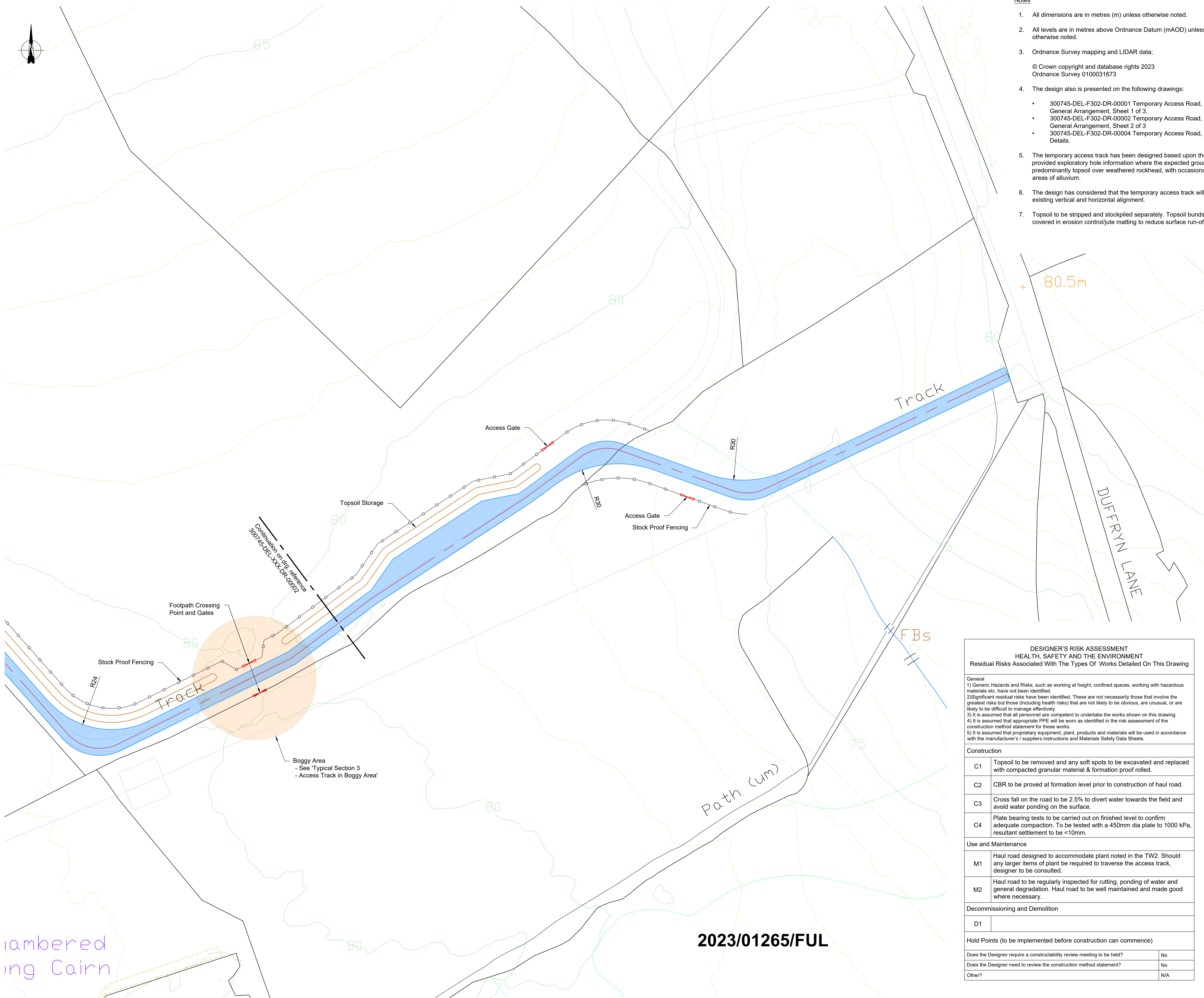
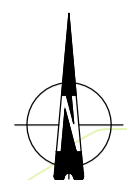
Drawing No. 300745-DEL-XXX-DR-00002	Revision P01
Scale 1:500	Original Size A1
Drawing status Preliminary	

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2023/01265/FUL

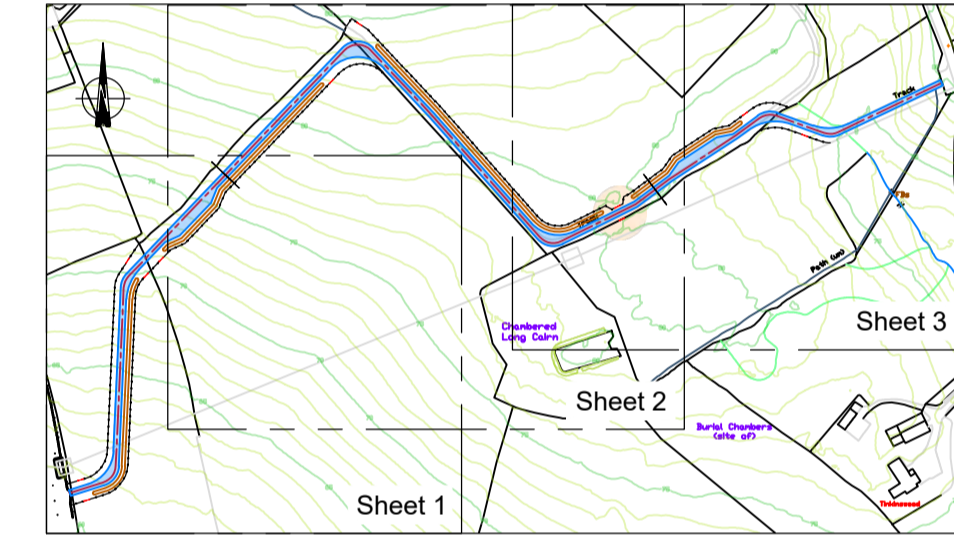
Chambered Long Cairn

Standing Stones



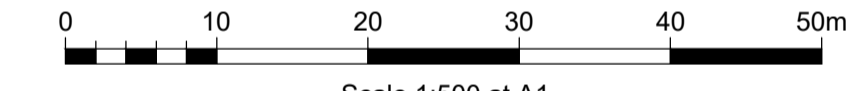
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Location Plans

Scale 1:500



Scale 1:500 at A1

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Decommissioning and Demolition	
D1	

Hold Points (to be implemented before construction can commence)	
Does the Designer require a constructability review meeting to be held?	No
Does the Designer need to review the construction method statement?	No
Other?	N/A

Rev.	Description of Revision	Designed	Drawn	Checked	Approved	Date
P01	First Issue	KET	NL	ND	PT	08-06-23



Project: St Nicholas



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Corporation Street Rugby Warwickshire CV21 2DW
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Drawing Title: Temporary Access Road General Arrangement Sheet 3 of 3

Drawing No.	Revision
300745-DEL-XXX-DR-00003	P01
Scale 1:500	Original Size A1
Drawing status Preliminary	

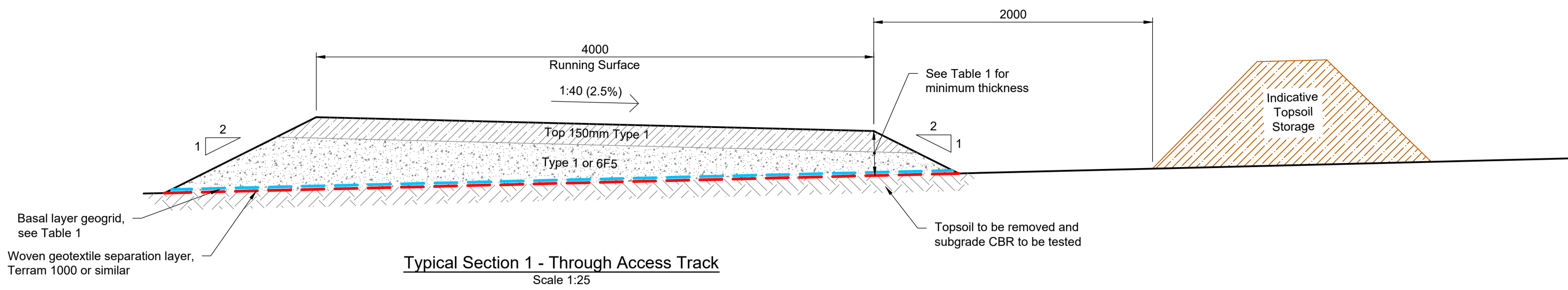
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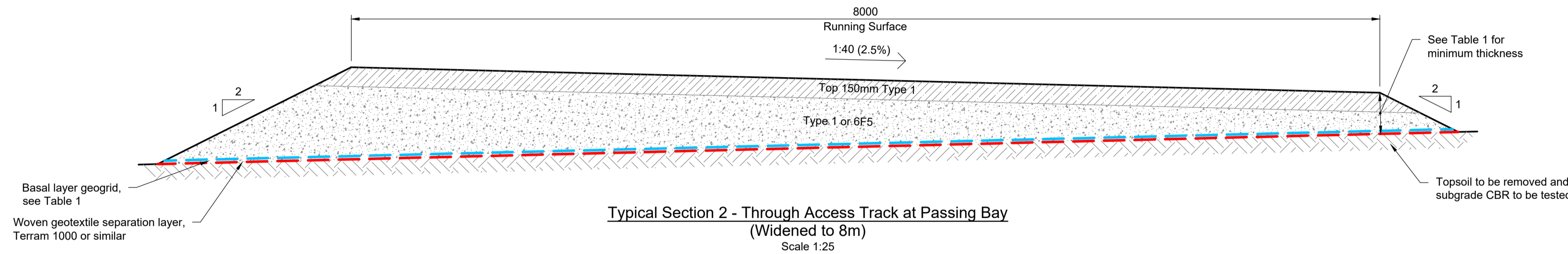
2023/01265/FUL

Notes

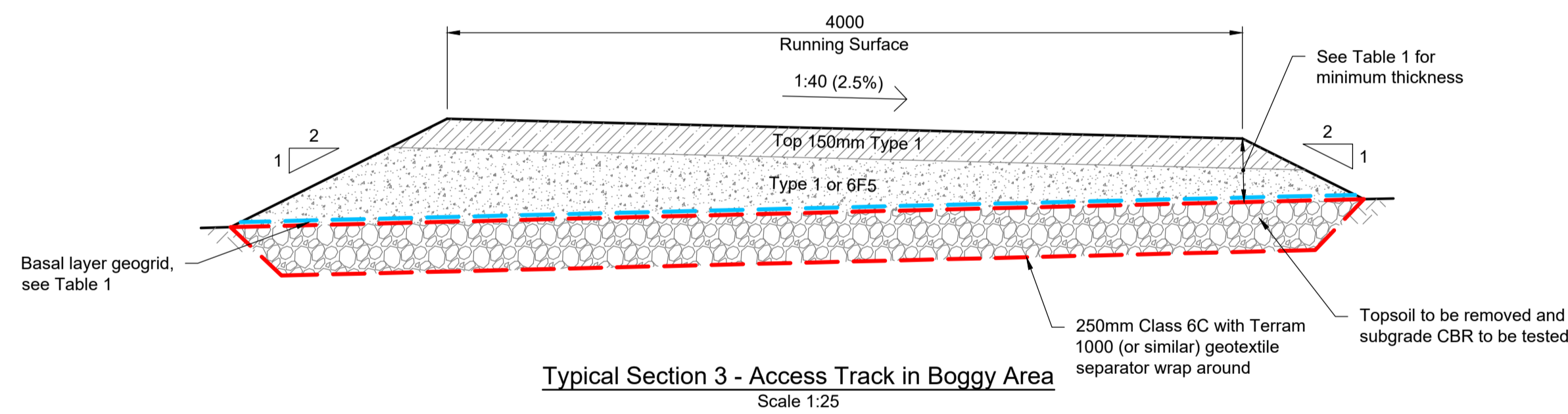
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Typical Section 1 - Through Access Track
Scale 1:25



Typical Section 2 - Through Access Track at Passing Bay (Widened to 8m)
Scale 1:25

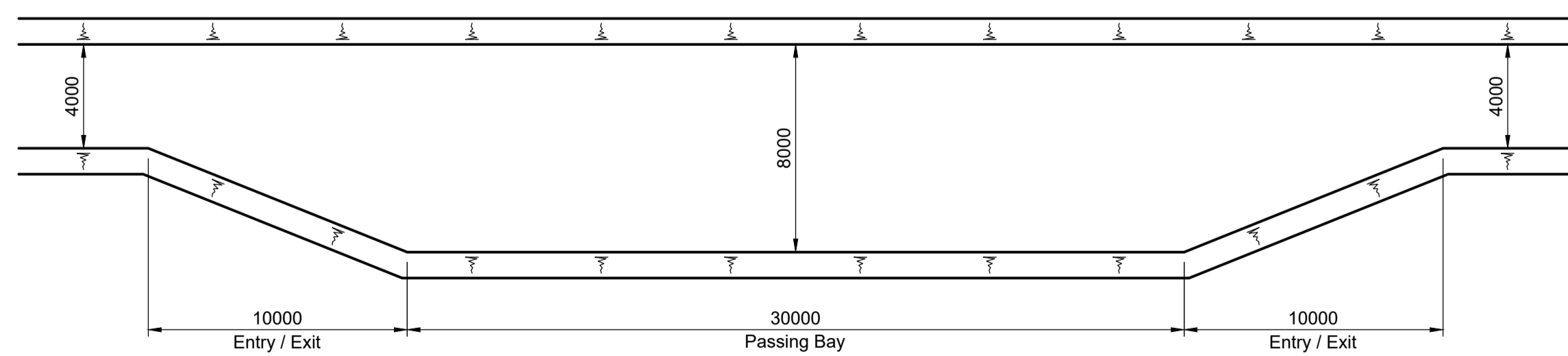


Typical Section 3 - Access Track in Boggy Area
Scale 1:25

Key

	Type 1
	Type 1 or 6F5
	Existing Ground
	Geogrid (see Table 1)
	Woven geotextile separator

CBR %	Un-reinforced thickness mm	Tensar TriAx Geogrid Reinforced thickness mm		Tensar InterAx Geogrid Reinforced thickness mm		Sig Naue Secugrid / Combigrd Reinforced thickness mm	
		Reinforced thickness mm	Reinforced thickness mm	Reinforced thickness mm	Reinforced thickness mm	Reinforced thickness mm	Reinforced thickness mm
1 - 2	990	550	2 Layers: 400mm up - TX160 Base - TX170	430	2 Layers: 280mm up - TB3BA8 Base - TB3BAA	550	2 Layers: 300mm up - Secugrid 30/30 Base - Combigrd 40/40
2 - 3	640	400	2 Layers: 250mm up - TX160 Base - TX170	355	1 Layer TB3BA8	400	1 Layer Base - Combigrd 30/30
3 - 5	500	300	1 Layer TX160	225	1 Layer TB3BA8	300	1 Layer Base - Combigrd 30/30
≥ 5	360	200	1 Layer TX160	200	1 Layer Base - TB3BA8	200	1 Layer Base - Combigrd 30/30



Indicative Haul Road Passing Bay (1 No. Passing Bay)
Scale 1:200

2023/01265/FUL

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Other?	N/A

Rev.	Description of Revision
P01	First Issue
	Designed: KET, Drawn: NL, Checked: ND, Approved: PT, Date: 08-06-23



Project: St Nicholas



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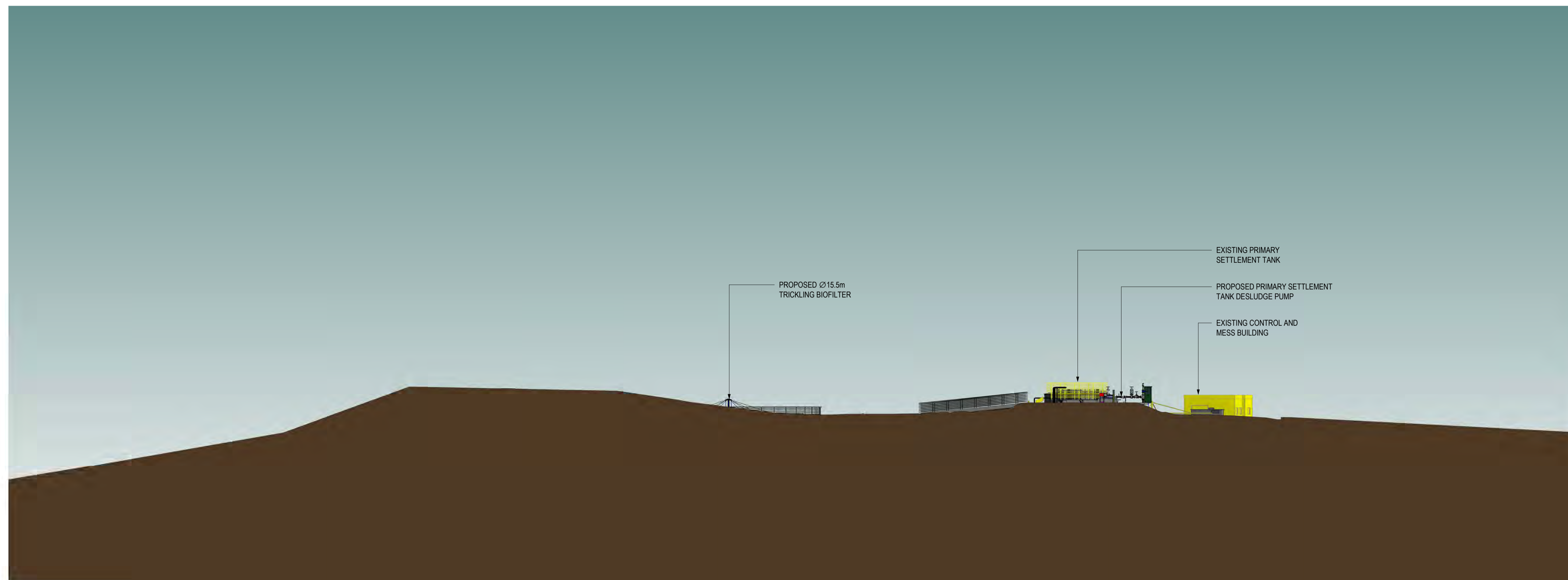
Drawing Title: Temporary Access Road Details

Drawing No.	300745-DEL-XXX-DR-00004	Revision	P01
Scale	As shown	Original Size	A1
Drawing status	Preliminary		

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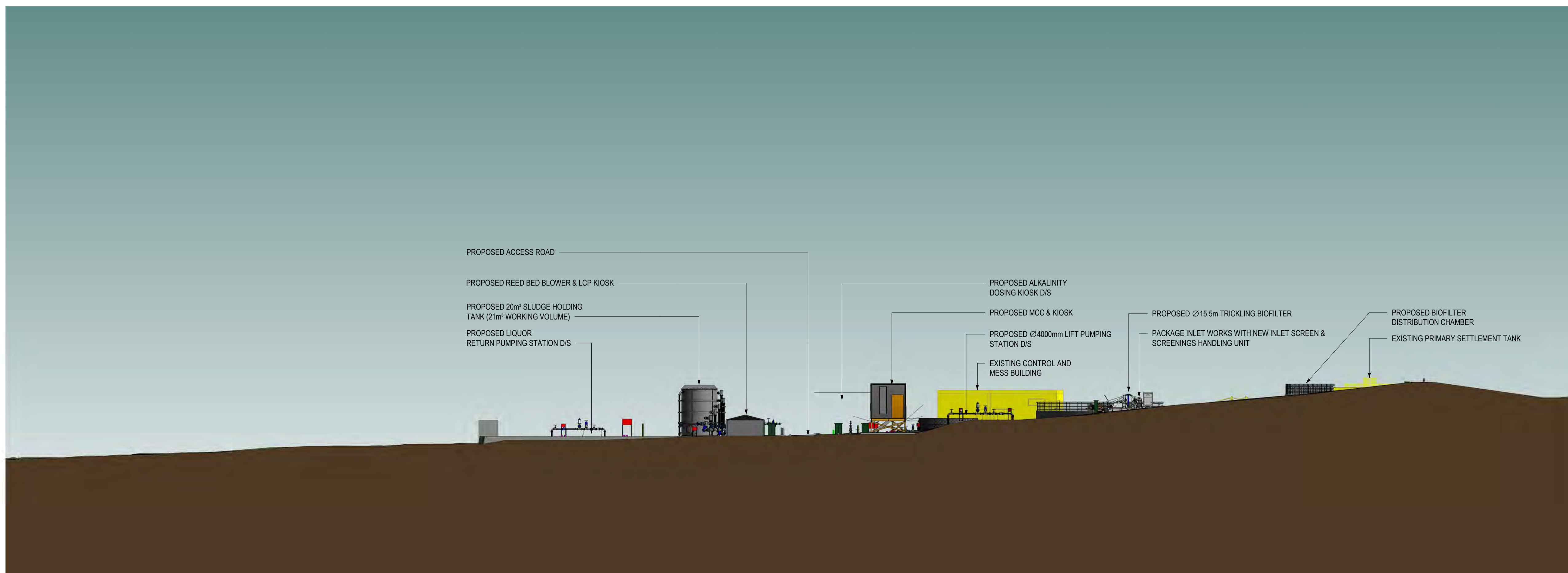
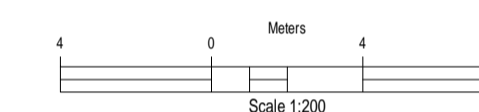
NOTES:

1. DO NOT SCALE FROM THIS DRAWING USE FIGURED DIMENSIONS ONLY.
2. ALL DIMENSIONS IN MILLIMETRES AND LEVELS IN METRES ABOVE ORDNANCE DATUM (NEWLYN) UNLESS NOTED OTHERWISE.



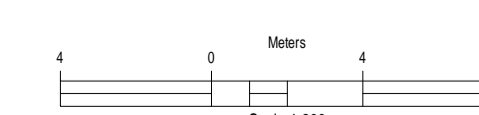
ELEVATION VIEW - LOOKING THROUGH NORTHERN SIDE

1 : 200



ELEVATION VIEW - LOOKING THROUGH EASTERN SIDE

1 : 200



Rev.	Date	Drawn	Description	Chkd	Appd.	Date
P01	13.09.2023	KM	ISSUED FOR INFORMATION	DO	SP	08.09.2023

Capital Delivery Alliance
Cynghair Cyflawni Cyfalaf
 Ty Awen, Spooner Close, Coed Kernew, Newport, NP108FZ

Project Name:
ST. NICHOLAS WwtW

Drawing Title:
ELEVATION VIEW - THROUGH NORTHERN & EASTERN SIDE

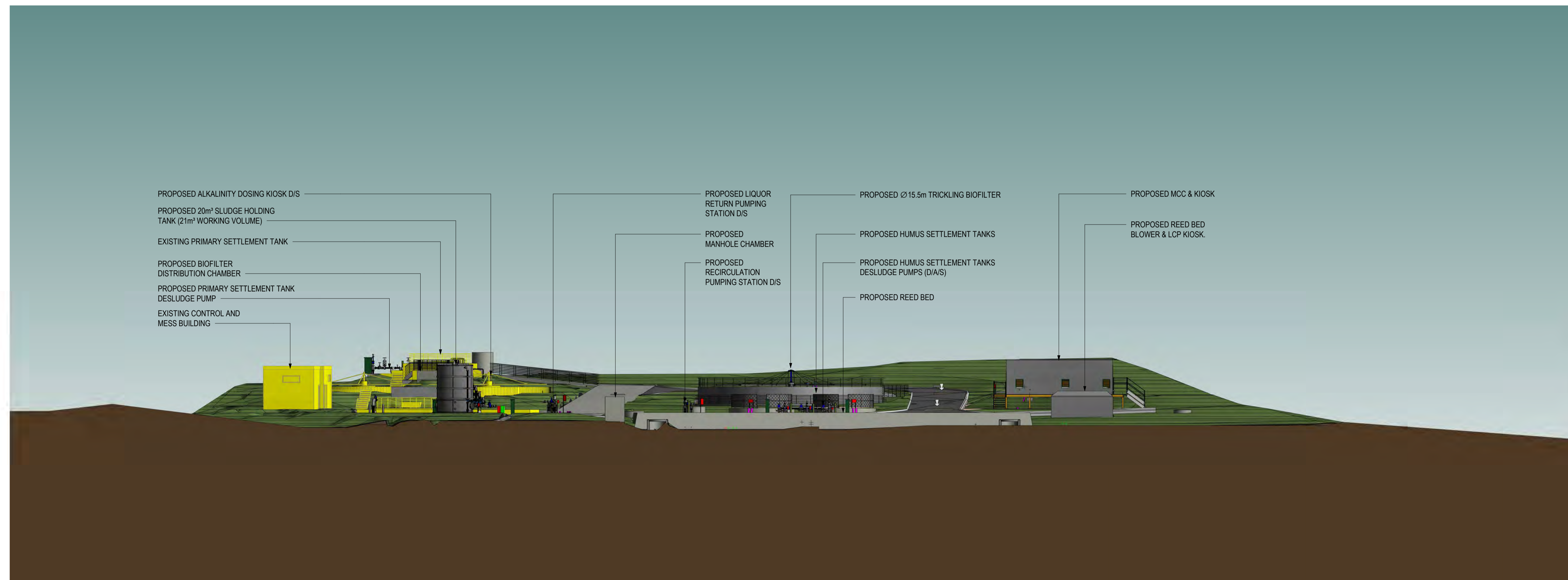
Suitability:
 ISSUED FOR INFORMATION Suitability Code: **S2**

Originator: **K MURTHY** Designer: **A OSMAN** Date: **08.09.2023**

Internal Project Number: **10048098** Scale: **As indicated** Rev: **P01**

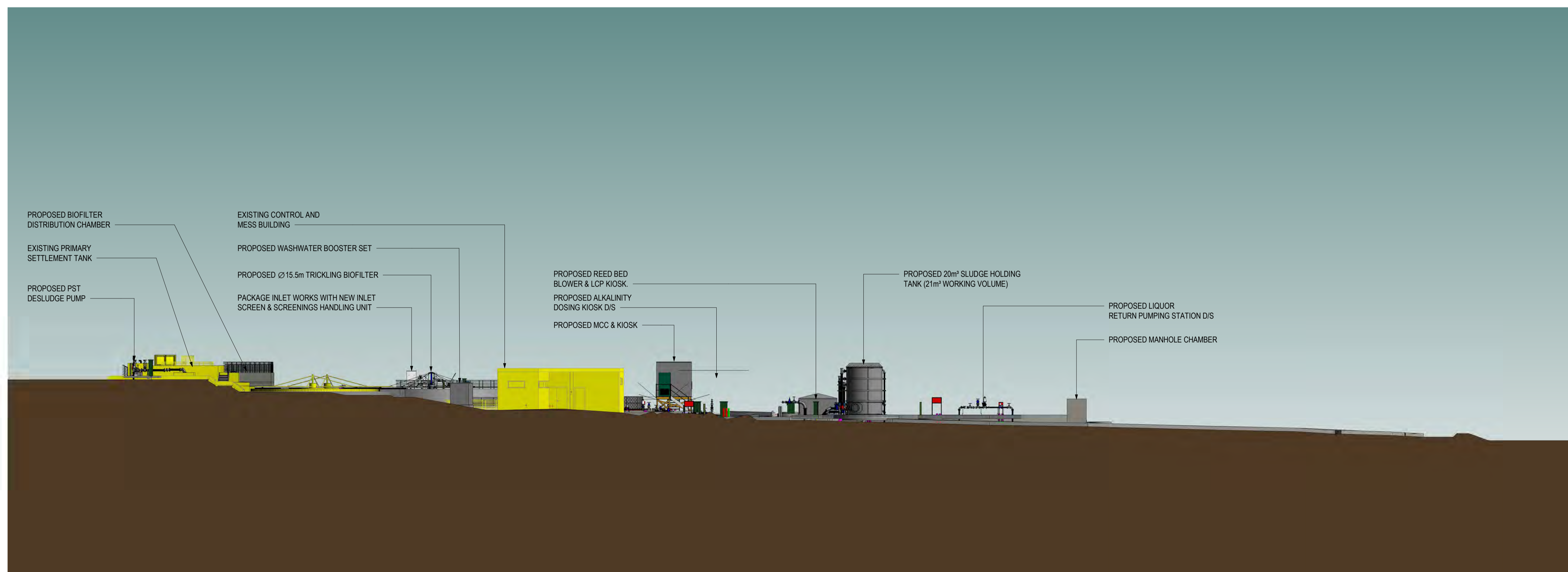
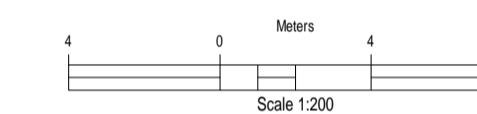
Drawing Number:
B10181-OAG964-ZZ-ZZ-DR-TA-PN0237

1. DO NOT SCALE FROM THIS DRAWING USE FIGURED DIMENSIONS ONLY.
2. ALL DIMENSIONS IN MILLIMETRES AND LEVELS IN METRES ABOVE ORDNANCE DATUM (NEWLYN) UNLESS NOTED OTHERWISE.



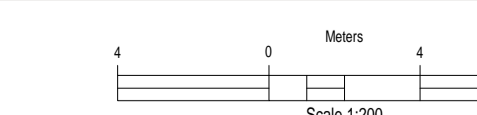
ELEVATION VIEW - LOOKING THROUGH SOUTHERN SIDE

1 : 200



ELEVATION VIEW - LOOKING THROUGH WESTERN SIDE

1 : 200



Rev.	Date	Drawn	Description	Chkd	Appd.	Date
P01	13.09.2023	KM	ISSUED FOR INFORMATION	DO	SP	08.09.2023



Ty Awen, Spooner Close, Coed Kernew, Newport, NP108FZ

Project Name: ST. NICHOLAS WwTW

Drawing Title: ELEVATION VIEW - THROUGH SOUTHERN & WESTERN SIDE

Suitability: ISSUED FOR INFORMATION Suitability Code: S2

Originator: K MURTHY Designer: A OSMAN Date: 08.09.2023

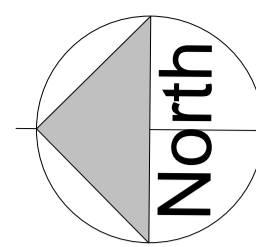
Internal Project Number: 10048098 Scale: As indicated Rev: P01

Drawing Number: B10181-0AG964-ZZ-ZZ-DR-TA-PN0238

TABLE SHOWING DIMENSIONS OF PROPOSED NEW PROCESS AREA IMPROVEMENTS ON THE EXISTING TREATMENT WORKS

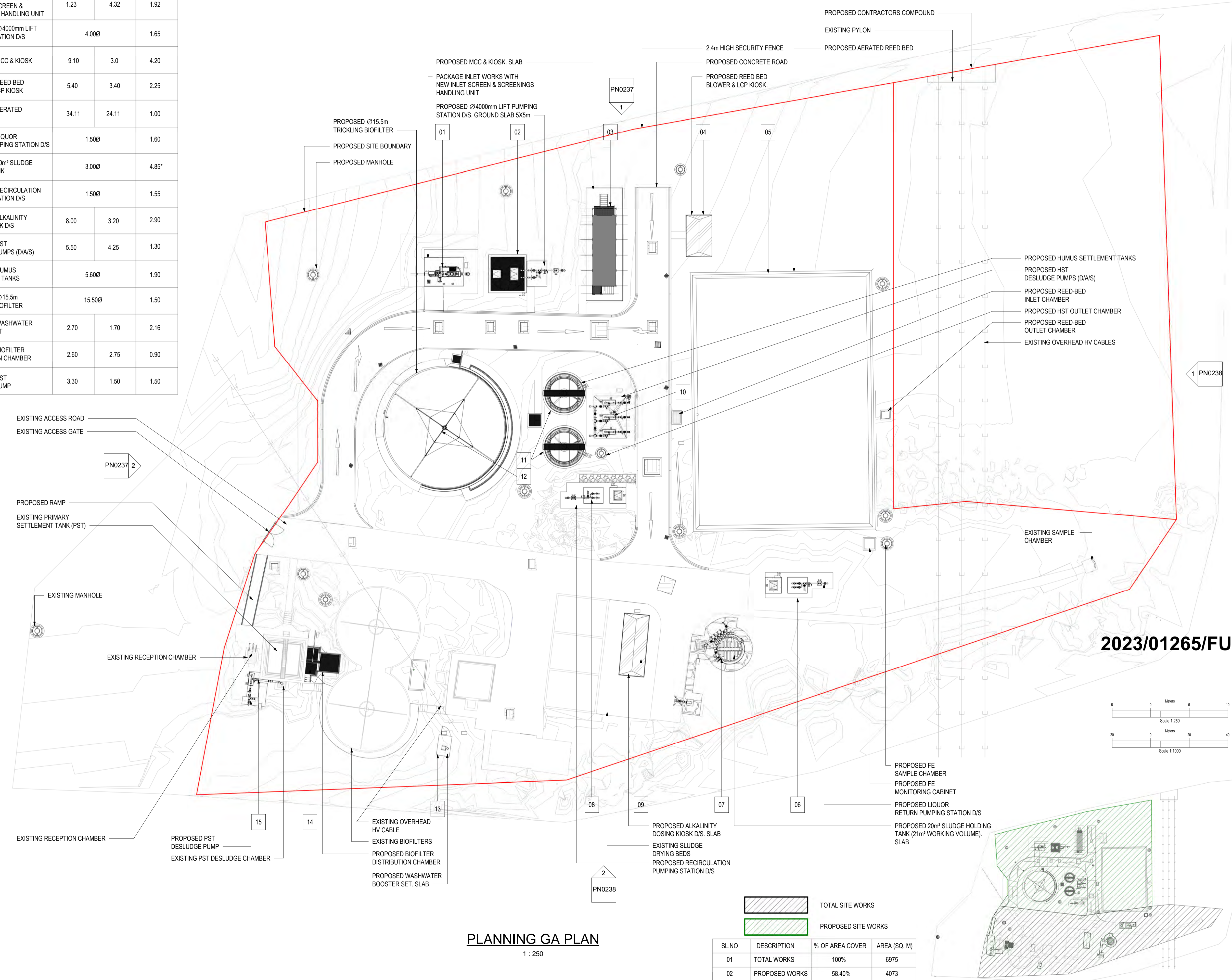
TAG NO	SCHEME ELEMENT	LENGTH (m)	WIDTH (m)	HEIGHT (m)
01	PACKAGE INLET WORKS WITH NEW INLET SCREEN & SCREENINGS HANDLING UNIT	1.23	4.32	1.92
02	PROPOSED Ø4000mm LIFT PUMPING STATION D/S	4.00Ø		1.65
03	PROPOSED MCC & KIOSK	9.10	3.0	4.20
04	PROPOSED REED BED BLOWER & LCP KIOSK	5.40	3.40	2.25
05	PROPOSED AERATED REED BED	34.11	24.11	1.00
06	PROPOSED LIQUOR RETURN PUMPING STATION D/S	1.50Ø		1.60
07	PROPOSED 20m³ SLUDGE HOLDING TANK	3.00Ø		4.85*
08	PROPOSED RECIRCULATION PUMPING STATION D/S	1.50Ø		1.55
09	PROPOSED ALKALINITY DOSING KIOSK D/S	8.00	3.20	2.90
10	PROPOSED HST DESLUDGE PUMPS (D/A/S)	5.50	4.25	1.30
11	PROPOSED HUMUS SETTLEMENT TANKS	5.60Ø		1.90
12	PROPOSED Ø15.5m TRICKLING BIOFILTER	15.50Ø		1.50
13	PROPOSED WASHWATER BOOSTER SET	2.70	1.70	2.16
14	PROPOSED BIOFILTER DISTRIBUTION CHAMBER	2.60	2.75	0.90
15	PROPOSED PST DESLUDGE PUMP	3.30	1.50	1.50

*INDICATES THE HEIGHT OF THE TALLEST STRUCTURE WITHIN THE PROCESS AREA OF THE WORKS. HEIGHT RELATED TO LOCAL EXISTING GROUND LEVEL.

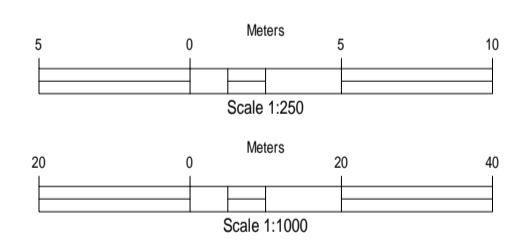


- DO NOT SCALE FROM THIS DRAWING USE FIGURED DIMENSIONS ONLY.
- ALL DIMENSIONS IN MILLIMETRES AND LEVELS IN METRES ABOVE ORDNANCE DATUM (NEWLYN) UNLESS NOTED OTHERWISE.
- ALL COORDINATES IN RELATION TO OS NATIONAL GRID.
- THE TOTAL AREA OF THE PROPOSED SITE IS APPROXIMATELY 6973m²
- THE PROPOSED TEMPORARY COMPOUND AREA IS APPROXIMATELY 1385m²

KEY:
— PROPOSED SITE BOUNDARY
 — EXISTING WORK
 — PROPOSED WORK

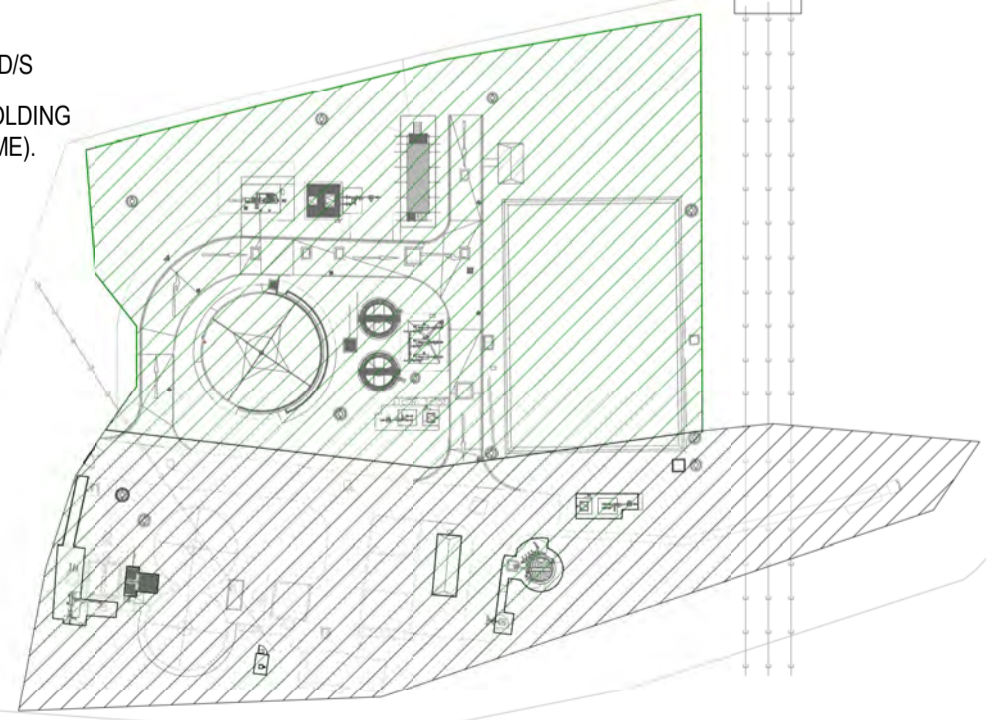


2023/01265/FUL



PLANNING GA PLAN
1 : 250

SL.NO	DESCRIPTION	% OF AREA COVER	AREA (SQ. M)
01	TOTAL WORKS	100%	6975
02	PROPOSED WORKS	58.40%	4073



SITE KEYPLAN
1 : 1000

Rev.	Date	Drawn	Issued For Information	Chkd	SP	Date
P01	19.10.2023	KM	ISSUED FOR INFORMATION	DO	SP	19.10.2023

Project Name: ST. NICHOLAS WwtW

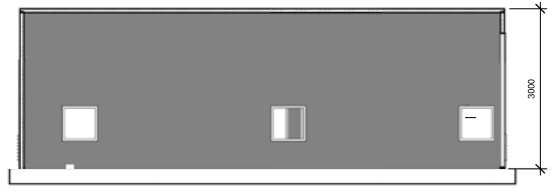
Drawing Title: PLANNING GA PLAN

Suitability: ISSUED FOR INFORMATION Suitability Code: S2

Originator: K MURTHY Designer: A OSMAN Date: 19.10.2023

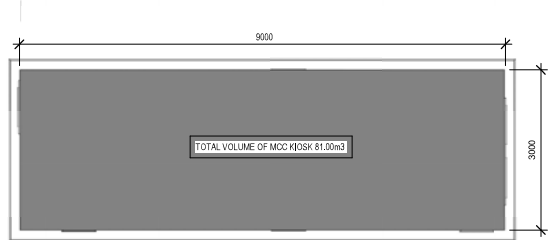
Internal Project Number: 10048098 Scale: AS SHOWN Rev: P01

Drawing Number: B10181-OAG964-ZZ-ZZ-DR-TA-PN0295



CROSS SECTION 1 - MCC KIOSK

1:50



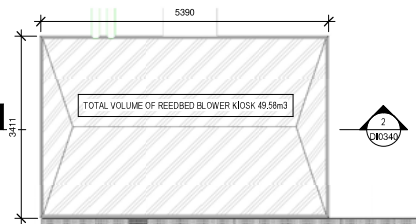
PLAN VIEW - MCC KIOSK

1:50



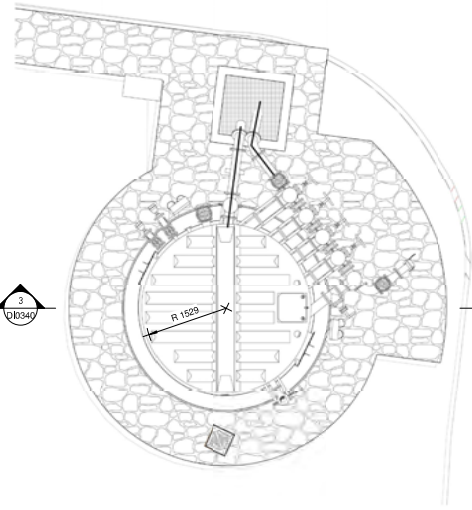
CROSS SECTION 2 - REEBLED BLOWER KIOSK

1:50



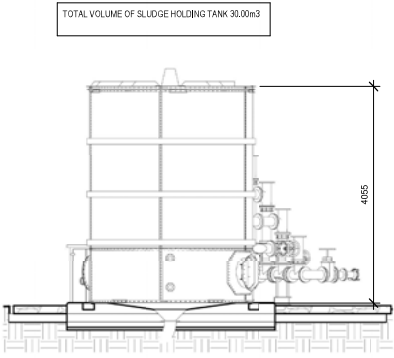
PLAN VIEW - REEBLED BLOWER KIOSK

1:50



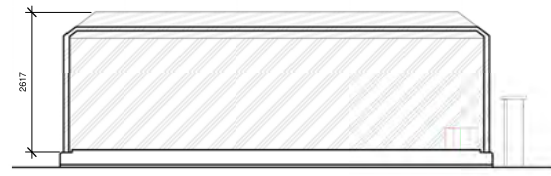
PLAN VIEW - SLUDGE HOLDING TANK

1:50



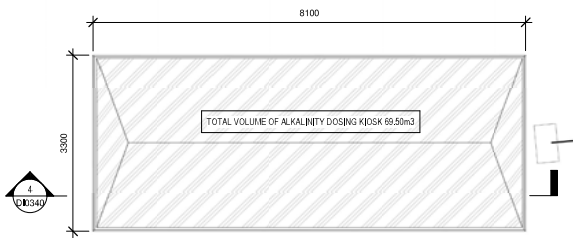
CROSS SECTION 3 - SLUDGE HOLDING TANK

1:50



CROSS SECTION 4 - ALKALINITY DOSING KIOSK

1:50



PLAN VIEW - ALKALINITY DOSING KIOSK

1:50



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- ALL COORDINATES IN RELATION TO OS NATIONAL GRID.

Rev.	Date	Drawn	Description	Check	Appd.	SP	Date
P01	08.12.2023	KM	ISSUED FOR INFORMATION	DO	DP		08.12.2023

Ty Amod, Sponsor Cwm, Cwm Kemma, Newydd, NP235DFZ

Project Name: **ST. NICHOLAS WWTW**

Drawing Title: **PLANNING DRAWING-ABOVE GROUND STRUCTURES**

Subtitle: **ISSUED FOR INFORMATION** Subtitle Code: **S2**

Originator: **K MURPHY** Designer: **A OSMAN** Date: **08.12.2023**

Internal Project Number: **100-460998** Scale: **AS SHOWN** Rev: **P01**

Drawing Number: **B0181-0A0984-ZZ-ZZ-DR-CE-00340**

Schedule

Number	Species	Height	Girth	Specification
3	Acer campestre	200-250cm	6-8cm	B :2x :Light Standard :Clear Stem 150-175 :3 brks
2	Crataegus laevigata	200-250cm	6-8cm	B :2x :Light Standard :Clear Stem 150-175 :3 brks
3	Fagus sylvatica	200-250cm	6-8cm	B :2x :Light Standard :Clear Stem 150-175 :3 brks
3	Prunus spinosa	200-250cm	6-8cm	B :2x :Light Standard :Clear Stem 150-175 :3 brks
3	Quercus palustris	200-250cm	6-8cm	B :2x :Light Standard :Clear Stem 150-175 :3 brks

Number	Species	Specification	Density	Percentage Contribution
159	Acer campestre	1+1 :BR	0.25Ctr Double Staggered at 0.3m offset	20%
397	Crataegus monogyna	1+1 :BR	0.25Ctr Double Staggered at 0.3m offset	50%
80	Ilex aquifolium	C	0.25Ctr Double Staggered at 0.3m offset	10%
40	Ligustrum vulgare	1+1 :BR	0.25Ctr Double Staggered at 0.3m offset	5%
40	Rosa canina	1+1 :BR	0.25Ctr Double Staggered at 0.3m offset	5%
40	Sorbus aucuparia	1+1 :BR	0.25Ctr Double Staggered at 0.3m offset	5%
40	Viburnum opulus	1+1 :BR	0.25Ctr Double Staggered at 0.3m offset	5%

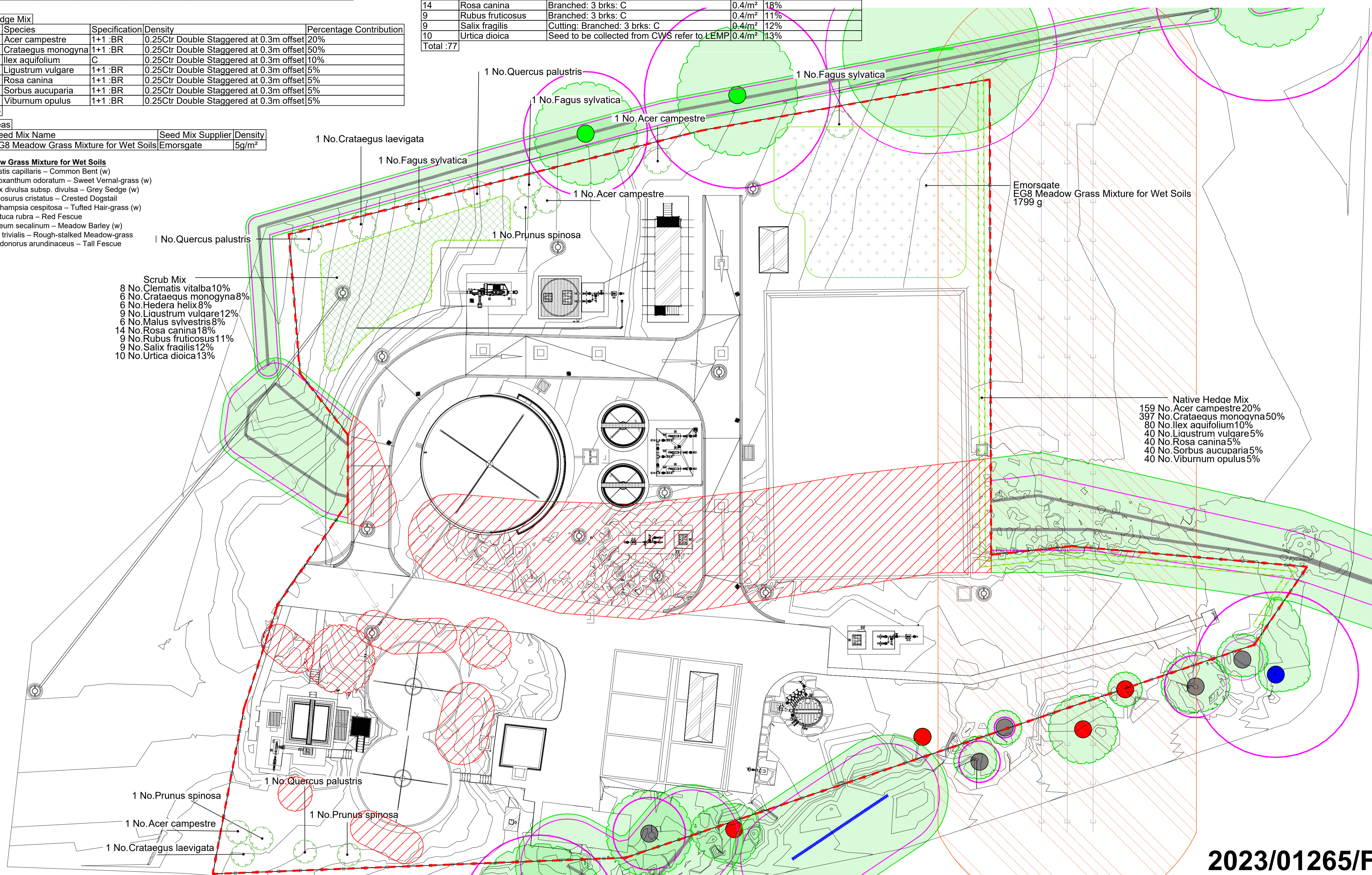
Weight	Seed Mix Name	Seed Mix Supplier	Density
1799 g	EG8 Meadow Grass Mixture for Wet Soils	Emorsgate	5g/m ²

EG8 Meadow Grass Mixture for Wet Soils
 5.00% Agrostis capillaris – Common Bent (w)
 5.00% Anthoxanthum odoratum – Sweet Vernal-grass (w)
 2.00% Carex divulsa subsp. divulsa – Grey Sedge (w)
 43.00% Cynosurus cristatus – Crested Dogstail
 25.00% Festuca rubra – Red Fescue
 5.00% Hordeum secalinum – Meadow Barley (w)
 10.00% Poa trivialis – Rough-stalked Meadow-grass
 3.00% Schedonorus arundinaceus – Tall Fescue

Scrub Mix
 8 No. Clematis vitalba 10%
 6 No. Crataegus monogyna 8%
 6 No. Hedera helix 8%
 9 No. Ligustrum vulgare 12%
 6 No. Malus sylvestris 8%
 14 No. Rosa canina 18%
 9 No. Rubus fruticosus 11%
 9 No. Salix fragilis 12%
 10 No. Urtica dioica 13%

Number	Species	Specification	Density	Percentage Contribution
8	Clematis vitalba	Caned: Several Shoots: 2 brks: C	0.4/m ²	10%
6	Crataegus monogyna	1+1: Transplant - seed raised: B	0.4/m ²	8%
6	Hedera helix	Several Shoots: 3 brks: C	0.4/m ²	8%
9	Ligustrum vulgare	Branched: 3 brks: C	0.4/m ²	12%
6	Malus sylvestris	1+2: Transplant - seed raised: C	0.4/m ²	8%
14	Rosa canina	Branched: 3 brks: C	0.4/m ²	18%
9	Rubus fruticosus	Branched: 3 brks: C	0.4/m ²	11%
9	Salix fragilis	Cutting: Branched: 3 brks: C	0.4/m ²	12%
10	Urtica dioica	Seed to be collected from CWS refer to LEMP	0.4/m ²	13%

Total :77



NOTES:
 • Do not scale from drawing

Key

- Red Line Boundary
- Existing trees and tree groups retained
- Existing Vegetation to be removed
- Proposed Scrub Planting
- Proposed Trees
- Proposed Hedgerow
- Power Line 12m Easement Area

Date	Description	Drawn	Check	Approved
27.02.24	for planning	HG	CM	AM
08.11.23	for planning	IDG	BP	BP
10.10.23	for planning	IDG	BP	BP
12.09.23	for planning	IDG	BP	BP

Client
 St Nicholas WwTW

PROJECT:
 St Nicholas WwTW

Site _____ Client _____

ARCADIS Design & Consultancy for cultural and built assets

Registered office: Manning House, 22 Carlisle Place, London W1P 1JA
 Coordinating office: 5th Floor 401 Faraday Street, Birchwood Park, Warrington, WA3 6GA
 Tel: 44 (0)1925 800700
 www.arcadis.com

TITLE:
 Landscape General Arrangement Plan

Designed	IDG	Signed	Date
Drawn	IDG	Signed	08.11.23
Checked	BP	Signed	08.11.23
Approved	BP	Signed	08.11.23

Scale: 1:250 Datum: Grid: A1 Project Number: 10048098

Suitability Code: Suitability Description: For Planning

Drawing Number: B10181-0AG964-ZZ-ZR-CA-DI0239 Revision: P04

Specification Notes

Clearance

- All site clearance works should be undertaken in accordance with the Ecological report for the site and its recommendations
- Site clearance works should be carried out outside of the hibernation period (early November to late February)

Ground Preparation

- All grass and other herbaceous vegetation shall be cut to a height of between 50 mm and 75mm and the arisings, litter and building debris and stone over 75mm in diameter likely to adversely effect planting and seeding operations is to be removed and disposed of off Site
- All areas to receive planting should be sprayed off with non-selective herbicide at least 3 weeks prior to planting taking place
- Ground to receive planting / seeding should be graded with all stones larger than 50mm removed.

Topsoil

- Topsoil for general shrub planted areas
 Standard: To BS 3882
 Classification: Multi purpose topsoil with a pH between 7.5-8.6
 Source: Naturally occurring from site, manufactured topsoil will not be accepted
 Submit: Declaration of analysis in accordance with BS 3882, Annex E.
 Depth: 300mm graded at edges of planting plots to tie in with adjacent areas with a smooth transition

Tree Works

- All tree works should be carried out in accordance with the Phase II Arboricultural Impact Assessment report and the recommendations within
- All works to and surrounding existing trees to be carried out in accordance with BS 5837:2012
- Trees to be removed should be agreed on site with local authority tree officer and clearly marked prior to works commencing
- Trees to be removed with ivy cover should be assessed by a licensed bat ecologist with the use of climbing equipment to further investigate ivy cover.
- Spreading of chipping's only to be carried out in agreement with Ecological consultant

Tree Planting

- All species to be as per the schedule provided
- All trees to be planted within planting season (generally early October to mid March)
- All trees to be rootballed and planted at same level as in nursery
- Tree pits to be min 200mm larger than the rootball and back filled with as dug material mixed with compost mixture
- For standard trees secure with double softwood stakes:
 - 75mm Half round cross member attached to each stake with 1 no. galvanised coach bolt and washers, with hessian tree tie
 - 75mm Stake notched to take cross member
 - 75mm depth coarse bark mulch

Planting

- All planting works to be carried out in accordance with BS 4043, BS 4428 and BS 5837
- All planting works to be carried out within planting season (generally early October to mid March)
- All plants provided are to be as per the schedule provided. If any of the listed species are unavailable suitable alternatives should be proposed and agreed prior to ordering
- All plants are to be transported in wrapped crates. Welsh Water / Contract Agent should be given minimum 5 days notice prior to delivery of plants to site
- All planting is to be maintained including watering prior to practical completion
- All labels, canes and ties shall be removed following planting
- All waste materials arising from planting, including containers, wrappings, paddings fastenings and bags shall be collected immediately by the Contractor and removed off Site prior to completion
- Bare root plants: to be notch planted with 1 nr mycorrhizal tablet
- Hedgerows to be planted in accordance with BS 3936
- Hedgerows to be planted in double staggered rows, 30cm offset, 0.25m centres
- Species to be planted in groups of 3, 5 or 7

Watering

- Supply a minimum of 4.5 litres of water per whip immediately following planting

Tubes, Guards & Ties

- Biodegradable spiral guards with supporting stake, to be used on all plants where appropriate

Grass Seeding

- Seed to be of high quality
 Freshness: Produced for the current growing season.
 Certification: Blue label certified varieties.
 - Standard: EC purity and germination regulations.
 - Official Seed Testing Station certificate of germination, purity and composition: Submit when requested. Samples of mixtures: Submit when requested.
- Sowing
 General: Establish good seed contact with the root zone.
 Method and Distribution: Spread evenly in the specified rates applied in two equal sowings in transverse directions. Lightly harrow or rake. On light soils roll and cross roll after seeding using a lightweight roller.
 Sowing Rate: 5g/m²
- Sowing Season
 Grass seed generally: September to October, April to May.
- Edges
 Timing: After seeded areas are well established.
 Edges: Clean straight lines or smooth curves.
 - Mulch and soil: Draw back to permit edging.
 Arisings: Remove.
 Completion: Re-spread soil and mulch.

2023/01265/FUL

