

ISO A1 84mm x 84mm
 Approved: MJ
 Checked: RB
 Designer: HB
 Project Management Initials:
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 Last Printed: 2017-03-27
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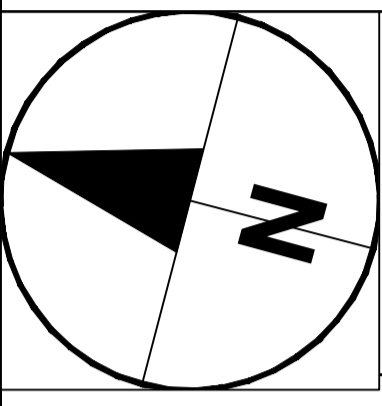
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- REFER TO ARBORICULTURAL REPORT DOCUMENT 60509148-LDRP-00002 FOR DETAILS OF ALL RETAINED TREES AND TREE PROTECTION REQUIREMENTS.
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- REFER TO EARTHWORKS DRAWINGS 60509148-SHT-30-0000-CT-0621 TO 0627.
- REFER TO ECOLOGICAL ASSESSMENT AND MITIGATION FOR DETAILS OF 'DEAD HEDGE'.

- ALL PROPOSED PLANTING AREAS ARE TO BE CULTIVATED AS PER SPECIFICATION 3004 AND APPENDIX 3004.
- WHERE EXISTING TREE CANOPY EXTEND OVER AREAS OF PROPOSED GRASS, SOIL PREPARATION WILL BE UNDERTAKEN WITH REGARD TO THE PRESENCE OF TREE ROOTS.
- FINAL LANDSCAPE MITIGATION DESIGN WILL BE SUBJECT TO AMENDMENTS TO RESPOND TO FINAL SITE CLEARANCE.
- FOR SHRUB AND INTERMITTENT TREE PLANTING AREAS THE LARGER STOCK, I.E., THOSE IDENTIFIED AS TREES WITHIN THE SCHEDULES WILL ACCOUNT FOR 20% OF THE TOTAL NUMBER OF PLANTS WITHIN EACH INDIVIDUAL PLANTING AREAS.
- WHERE AREAS OF PROPOSED SOFT LANDSCAPE TREATMENT COINCIDE WITH AREAS OF ABANDONED CARRIAGEWAY, WHERE POSSIBLE TOP SOIL AND SUB SOIL PROFILES ARE TO BE REINSTATED TO MATCH THE SURROUNDING SOIL HORIZONS, WITH THE FOLLOWING MINIMUM TOP SOIL DEPTHS
 - SEEDED AREAS - 100 mm
 - PLANTED AREAS (EXCLUDING TREES) - 300 mm
 - PLANTED AREAS (INCLUDING TREES) - 300 mm

KEY

- LE 1.1 AMENITY GRASS AREAS
- LE 1.3 SPECIES RICH GRASSLAND
- LE 1.6 OPEN GRASSLAND
- LE 2.4 LINEAR TREES AND SHRUBS
- LE 2.4.1 LINEAR TREE AND SHRUB MIX 2
- LE 2.5 SHRUBS WITH INTERMITTENT TREES
- LE 2.6 SHRUBS
- LE 4.2 NATIVE HEDGEROW
- LE 4.2.1 TRANSLOCATED NATIVE HEDGEROW
- LE 4.2.2 NATIVE HEDGEROW - AMENITY MIXTURE
- LE 4.4 NATIVE HEDGEROW WITH TREES

- LE 5.1 INDIVIDUAL TREES
- PLANNING APPLICATION BOUNDARY
- EXISTING TREES & SHRUBS
- PROPOSED HIGHWAY BOUNDARY FENCE LINE - SEE NOTE 5
- PROPOSED HIGHWAY BOUNDARY WALL - SEE NOTE 5
- PROPOSED ACOUSTIC BARRIER - SEE NOTE 5
- PROPOSED 'DEAD HEDGEROW' ECOLOGICAL FEATURE



AECOM

PROJECT
ST. ATHAN NORTHERN ACCESS ROAD

CLIENT
 WELSH GOVERNMENT

Llywodraeth Cymru
Welsh Government

CONSULTANT
 AECOM
 1 CALLAGHAN SQUARE
 CARDIFF
 CF10 5BT
 TEL: (029) 20674600
 FAX: (029) 20674699

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 specific residual risks (Reference shall also be made to the design hazard register)

Construction
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STATUS
 PLANNING SUBMISSION ISSUE

ISSUE/REVISION

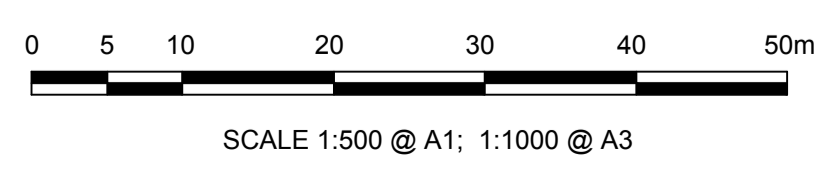
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KEY PLAN

PROJECT NUMBER
 60509148

SHEET TITLE
 ST.ATHAN LANDSCAPE PROPOSALS SHEET 1 OF 8

SHEET NUMBER
 60509148-SHT-30-0000-CT-3001



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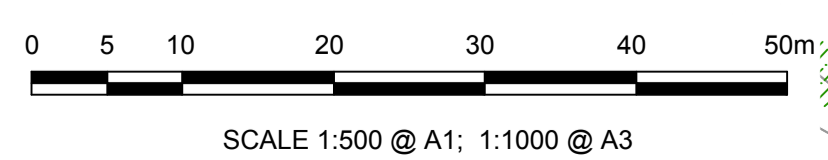
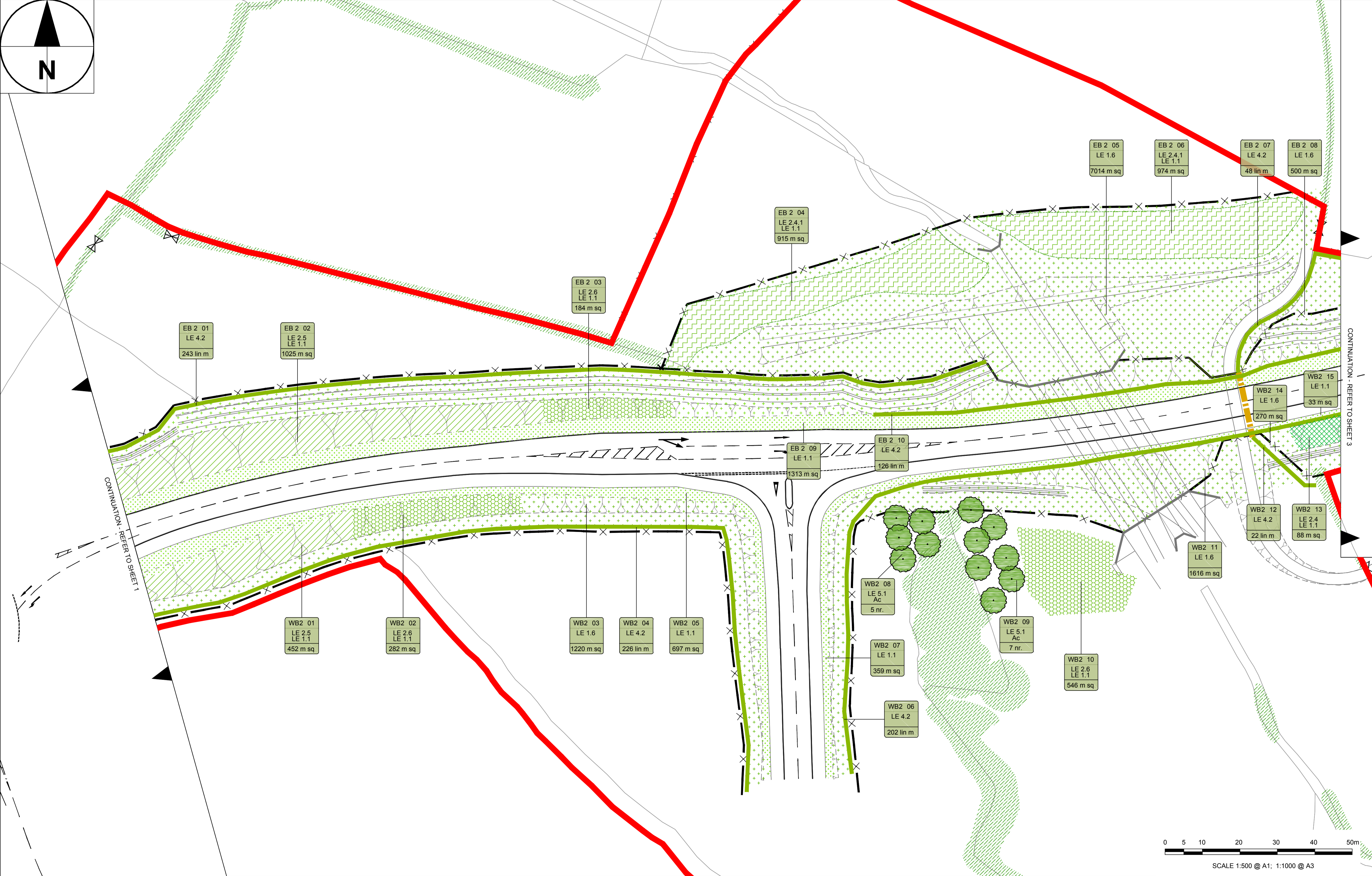
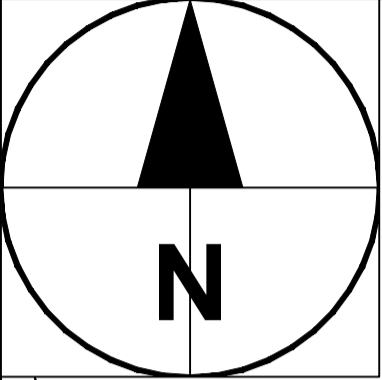
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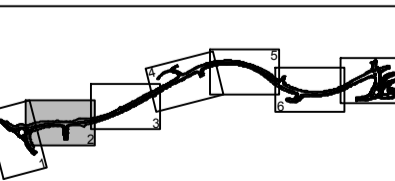
STATUS

PLANNING SUBMISSION ISSUE

ISSUE/REVISION

NO	DATE	DESCRIPTION
1	15-03-2017	PLANNING SUBMISSION ISSUE

KEY PLAN



PROJECT NUMBER

60509148

SHEET TITLE

ST.ATHAN
LANDSCAPE PROPOSALS
SHEET 2 OF 8

SHEET NUMBER

60509148-SHT-30-0000-CT-3002

ISO A1 84mm x 84mm
 Approved: MJ
 Checked: RB
 Designer: HB
 Project Management Initials:
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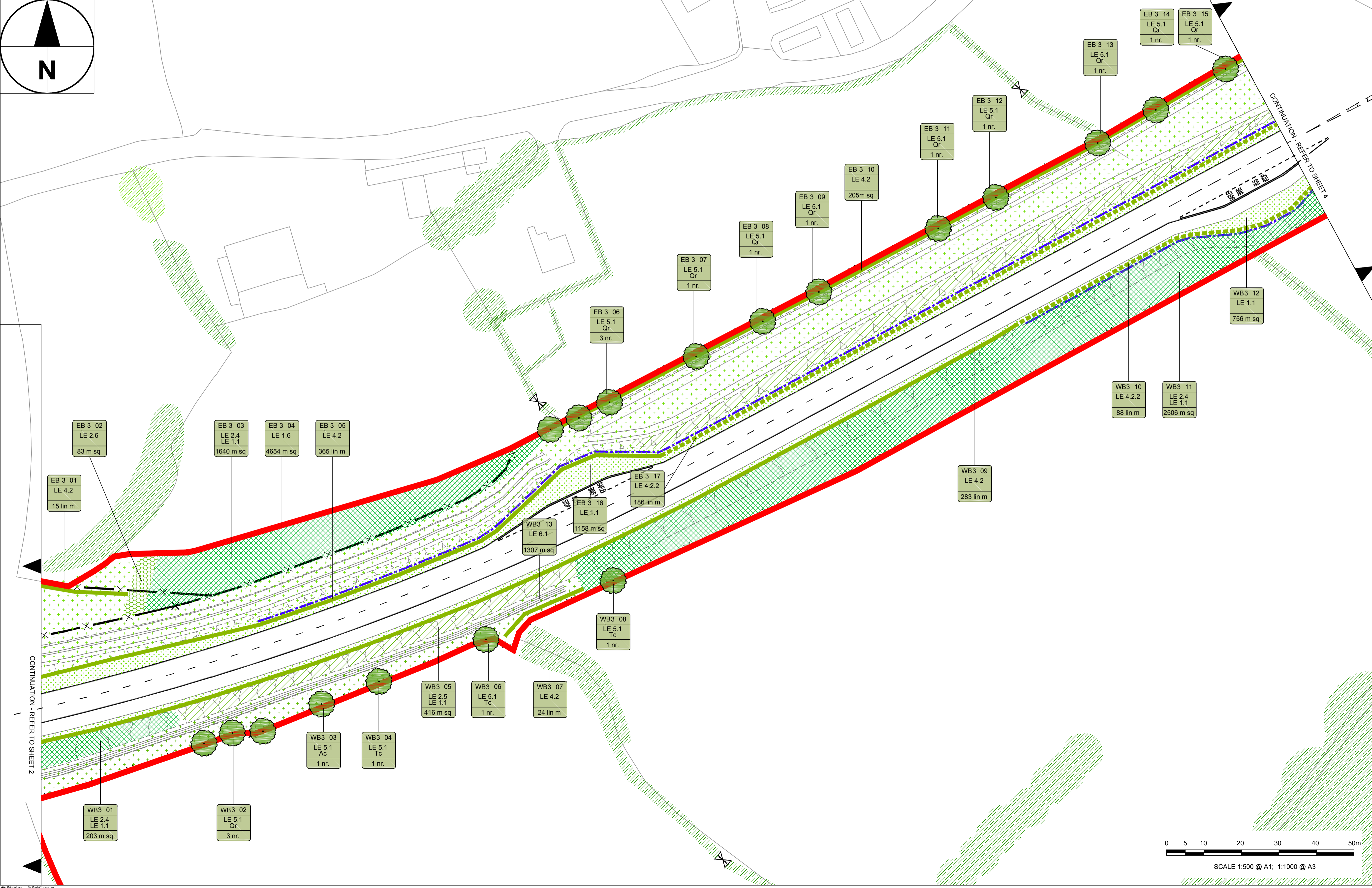
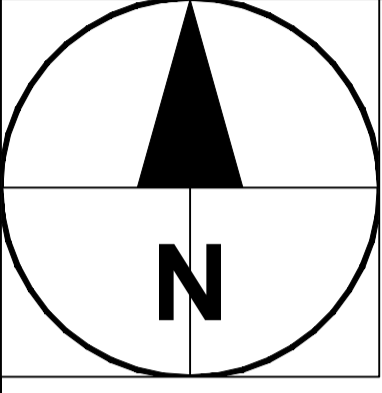
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CONSULTANT
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CARDIFF
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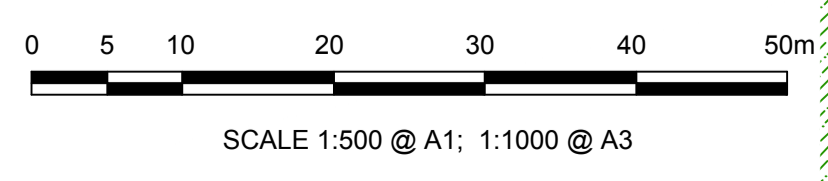
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KEY PLAN

PROJECT NUMBER
60509148

SHEET TITLE
ST.ATHAN
LANDSCAPE PROPOSALS
SHEET 3 OF 8

SHEET NUMBER
60509148-SHT-30-0000-CT-3003



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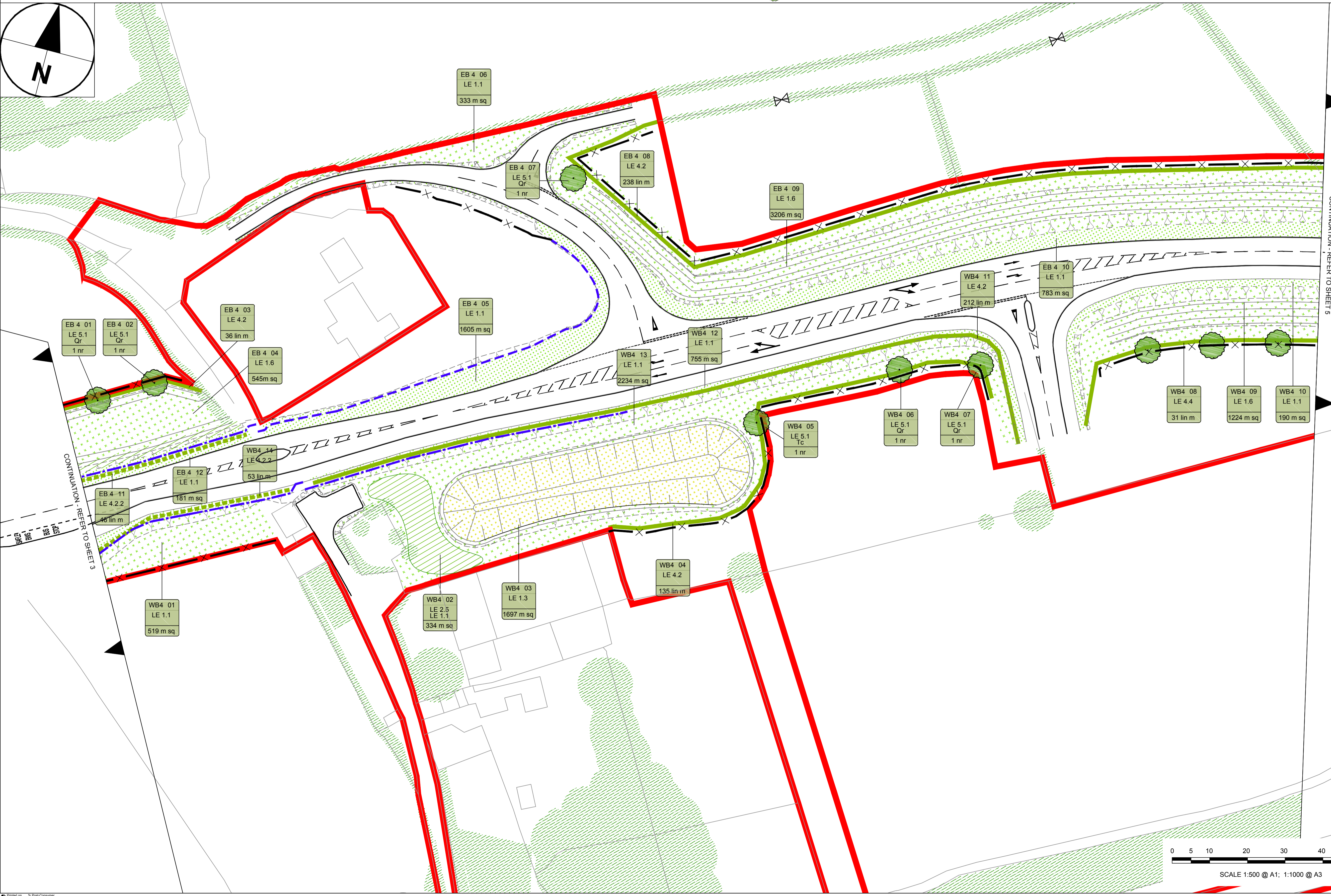
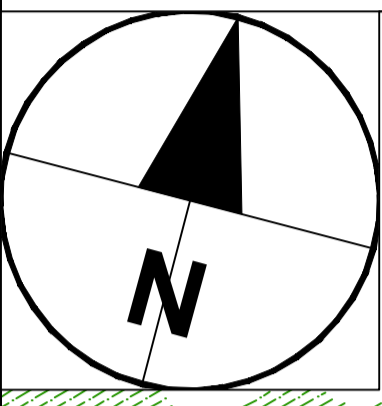
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CONTINUATION - REFER TO SHEET 5

CONTINUATION - REFER TO SHEET 3

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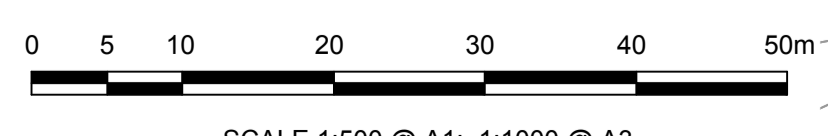
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KEY PLAN

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ST.ATHAN
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SHEET 4 OF 8

SHEET NUMBER
60509148-SHT-30-0000-CT-3004



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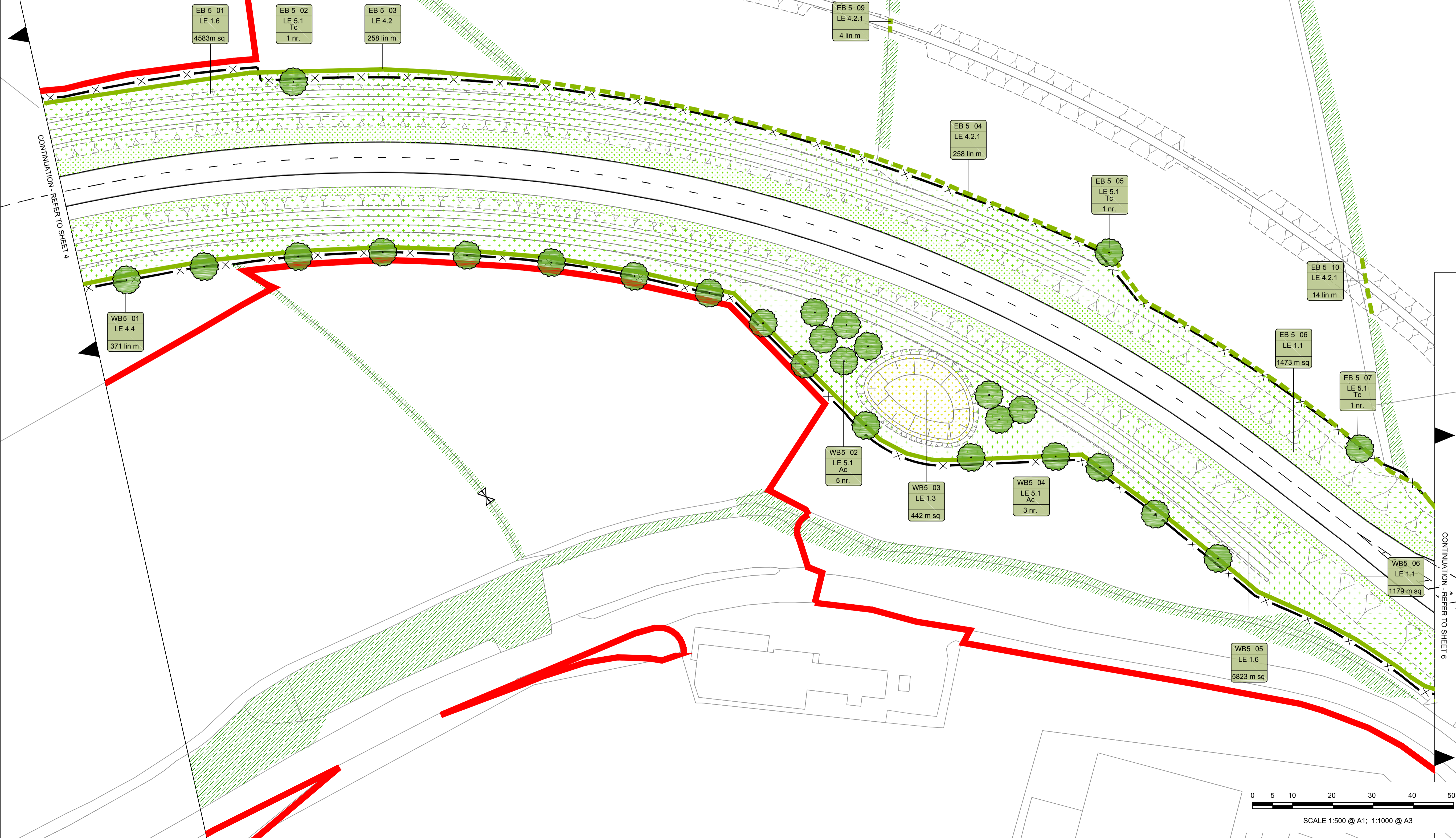
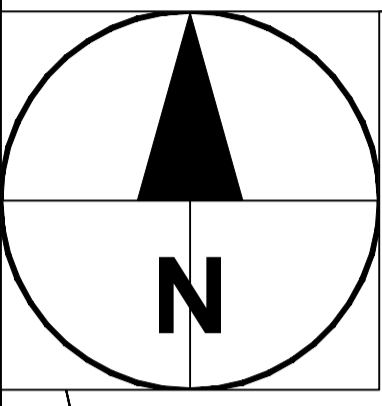
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In addition to the hazards normally associated with the types of work detailed on this drawing, note the following specific residual risks (Reference shall also be made to the design hazard register)

Construction
For Hazards Refer to Document: Safety in Design - Designers Residual Hazard Register

STATUS

PLANNING SUBMISSION ISSUE

ISSUE/REVISION

15-03-2017 PLANNING SUBMISSION ISSUE

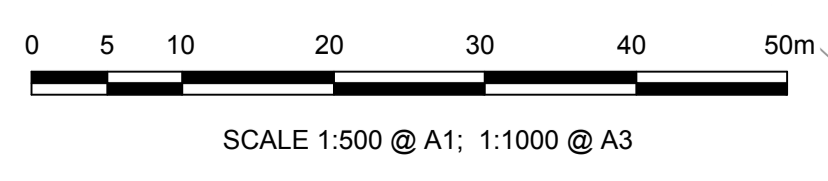
IR/	DATE	DESCRIPTION

KEY PLAN

PROJECT NUMBER
60509148

SHEET TITLE
ST.ATHAN
LANDSCAPE PROPOSALS
SHEET 5 OF 8

SHEET NUMBER
60509148-SHT-30-0000-CT-3005



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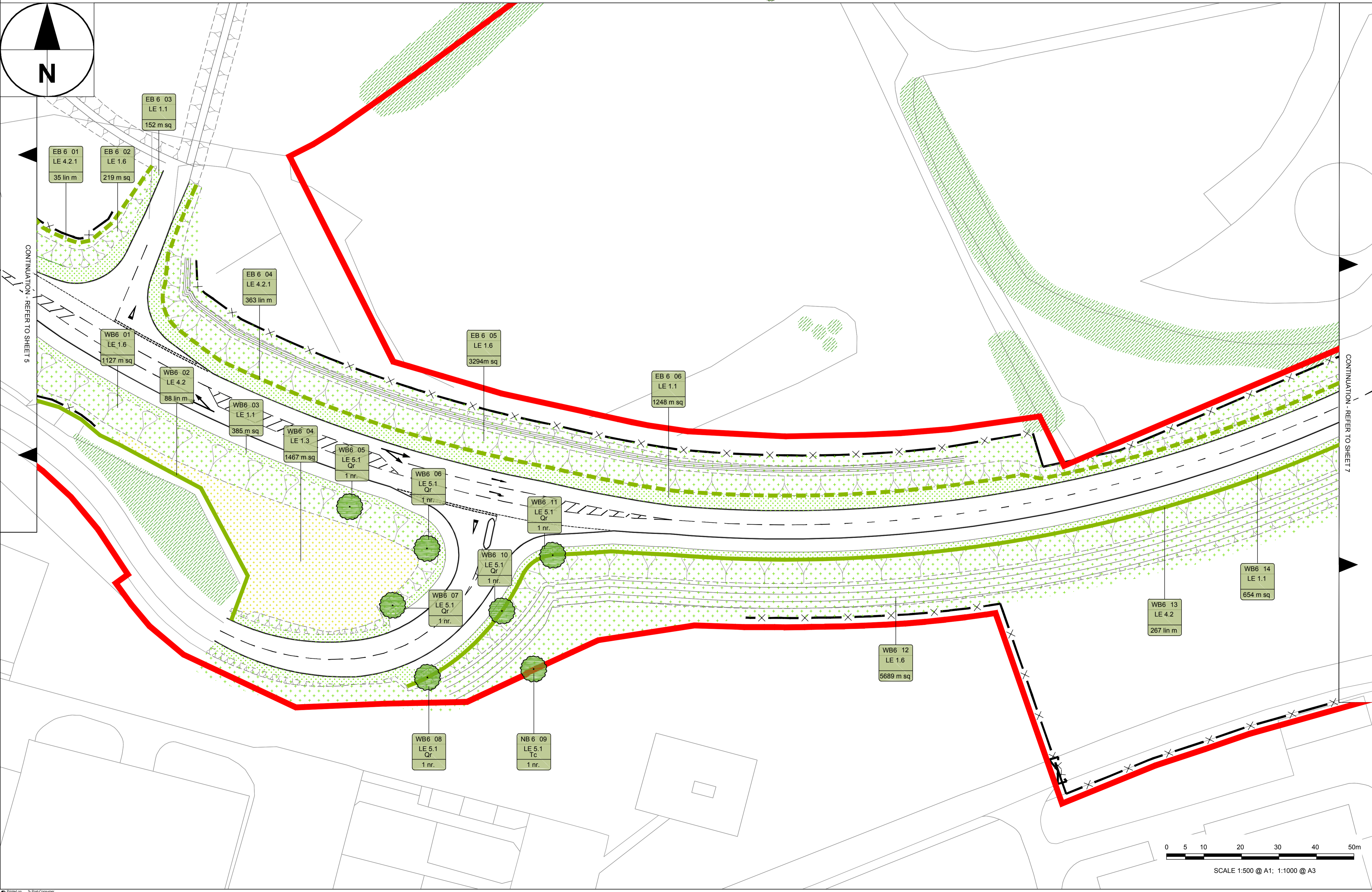
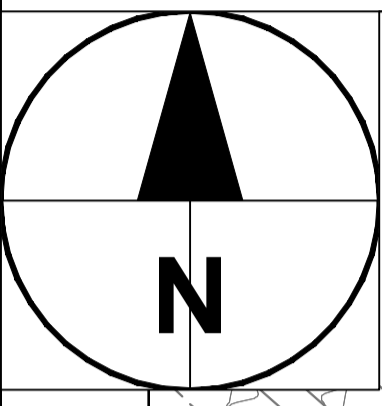
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 Approved: MJ
 Checked: RB
 Designer: HB
 Project Management Initials:
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 Last Printed: 2017-03-27
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- ALL WORKS ARE TO BE CARRIED OUT IN ACCORDANCE WITH THE CONTRACT SPECIFICATION AND THE MANUAL OF CONTRACT DOCUMENTS FOR HIGHWAY WORKS.
- REFER TO SITE CLEARANCE DRAWINGS 60509148-SHT-30-0000-CT-0201 TO 0208 FOR DETAILS OF VEGETATION TO BE RETAINED OR REMOVED AND TRANS-LOCATED HEDGES.
- REFER TO ARBORICULTURAL REPORT DOCUMENT 60509148-LDRP-00002 FOR DETAILS OF ALL RETAINED TREES AND TREE PROTECTION REQUIREMENTS.
- WHERE RETAINED TREES ARE LOCATED CLOSE TO A PROPOSED CUT SLOPE THEIR STABILITY AND LONG TERM VIABILITY SHOULD BE ASSESSED BY A SUITABLY QUALIFIED ARBORICULTURIST.
- REFER TO FENCING DRAWINGS 60509148-SHT-30-0000-CT-0301 TO 0308 FOR DETAILS OF HIGHWAY FENCING, WALLS AND ACOUSTIC BARRIERS.
- REFER TO EARTHWORKS DRAWINGS 60509148-SHT-30-0000-CT-0621 TO 0627.
- REFER TO ECOLOGICAL ASSESSMENT AND MITIGATION FOR DETAILS OF 'DEAD HEDGE'.

- ALL PROPOSED PLANTING AREAS ARE TO BE CULTIVATED AS PER SPECIFICATION 3004 AND APPENDIX 3014.
- WHERE EXISTING TREE CANOPY EXTEND OVER AREAS OF PROPOSED GRASS, SOIL PREPARATION WILL BE UNDERTAKEN WITH REGARD TO THE PRESENCE OF TREE ROOTS.
- FINAL LANDSCAPE MITIGATION DESIGN WILL BE SUBJECT TO AMENDMENTS TO RESPOND TO FINAL SITE CLEARANCE.
- FOR SHRUB AND INTERMITTENT TREE PLANTING AREAS THE LARGER STOCK, I.E., THOSE IDENTIFIED AS TREES WITHIN THE SCHEDULES WILL ACCOUNT FOR 20% OF THE TOTAL NUMBER OF PLANTS WITHIN EACH INDIVIDUAL PLANTING AREAS.
- WHERE AREAS OF PROPOSED SOFT LANDSCAPE TREATMENT COINCIDE WITH AREAS OF ABANDONED CARRIAGEWAY, WHERE POSSIBLE TOP SOIL AND SUB SOIL PROFILES ARE TO BE REINSTATED TO MATCH THE SURROUNDING SOIL HORIZONS, WITH THE FOLLOWING MINIMUM TOP SOIL DEPTHS
 - SEEDED AREAS - 100 mm
 - PLANTED AREAS (EXCLUDING TREES) - 300 mm
 - PLANTED AREAS (INCLUDING TREES) - 300 mm

- KEY**
- LE 1.1 AMENITY GRASS AREAS
 - LE 1.3 SPECIES RICH GRASSLAND
 - LE 1.6 OPEN GRASSLAND
 - LE 2.4 LINEAR TREES AND SHRUBS
 - LE 2.4.1 LINEAR TREE AND SHRUB MIX 2
 - LE 2.5 SHRUBS WITH INTERMITTENT TREES
 - LE 2.6 SHRUBS
 - LE 4.2 NATIVE HEDGEROW
 - LE 4.2.1 TRANSLOCATED NATIVE HEDGEROW
 - LE 4.2.2 NATIVE HEDGEROW - AMENITY MIXTURE
 - LE 4.4 NATIVE HEDGEROW WITH TREES

- LE 5.1 INDIVIDUAL TREES
- PLANNING APPLICATION BOUNDARY
- EXISTING TREES & SHRUBS
- PROPOSED HIGHWAY BOUNDARY FENCE LINE - SEE NOTE 5
- PROPOSED HIGHWAY BOUNDARY WALL - SEE NOTE 5
- PROPOSED ACOUSTIC BARRIER - SEE NOTE 5
- PROPOSED 'DEAD HEDGEROW' ECOLOGICAL FEATURE



AECOM

PROJECT
ST. ATHAN NORTHERN ACCESS ROAD

CLIENT
 WELSH GOVERNMENT

Llywodraeth Cymru
Welsh Government

CONSULTANT
 AECOM
 1 CALLAGHAN SQUARE
 CARDIFF
 CF10 5BT
 TEL: (029) 20674600
 FAX: (029) 20674699

SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION

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STATUS

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ISSUE/REVISION

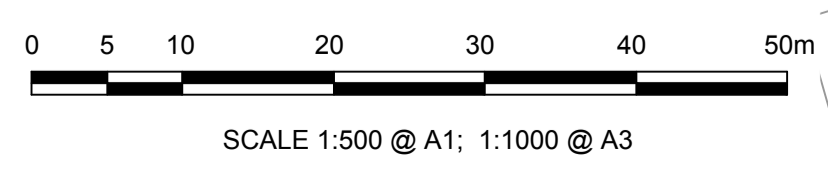
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KEY PLAN

PROJECT NUMBER
 60509148

SHEET TITLE
 ST.ATHAN LANDSCAPE PROPOSALS SHEET 6 OF 8

SHEET NUMBER
 60509148-SHT-30-0000-CT-3006



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PROJECT

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CONSULTANT

AECOM
1 CALLAGHAN SQUARE
CARDIFF
CF10 5BT
TEL: (029) 20674600
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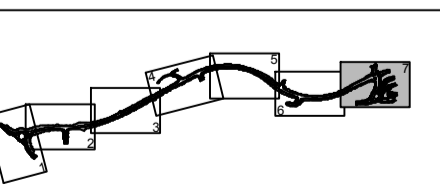
STATUS

PLANNING SUBMISSION ISSUE

ISSUE/REVISION

IR	DATE	DESCRIPTION
-	15-03-2017	PLANNING SUBMISSION ISSUE

KEY PLAN



PROJECT NUMBER

60509148

SHEET TITLE

ST.ATHAN
LANDSCAPE PROPOSALS
SHEET 7 OF 8

SHEET NUMBER

60509148-SHT-30-0000-CT-3007

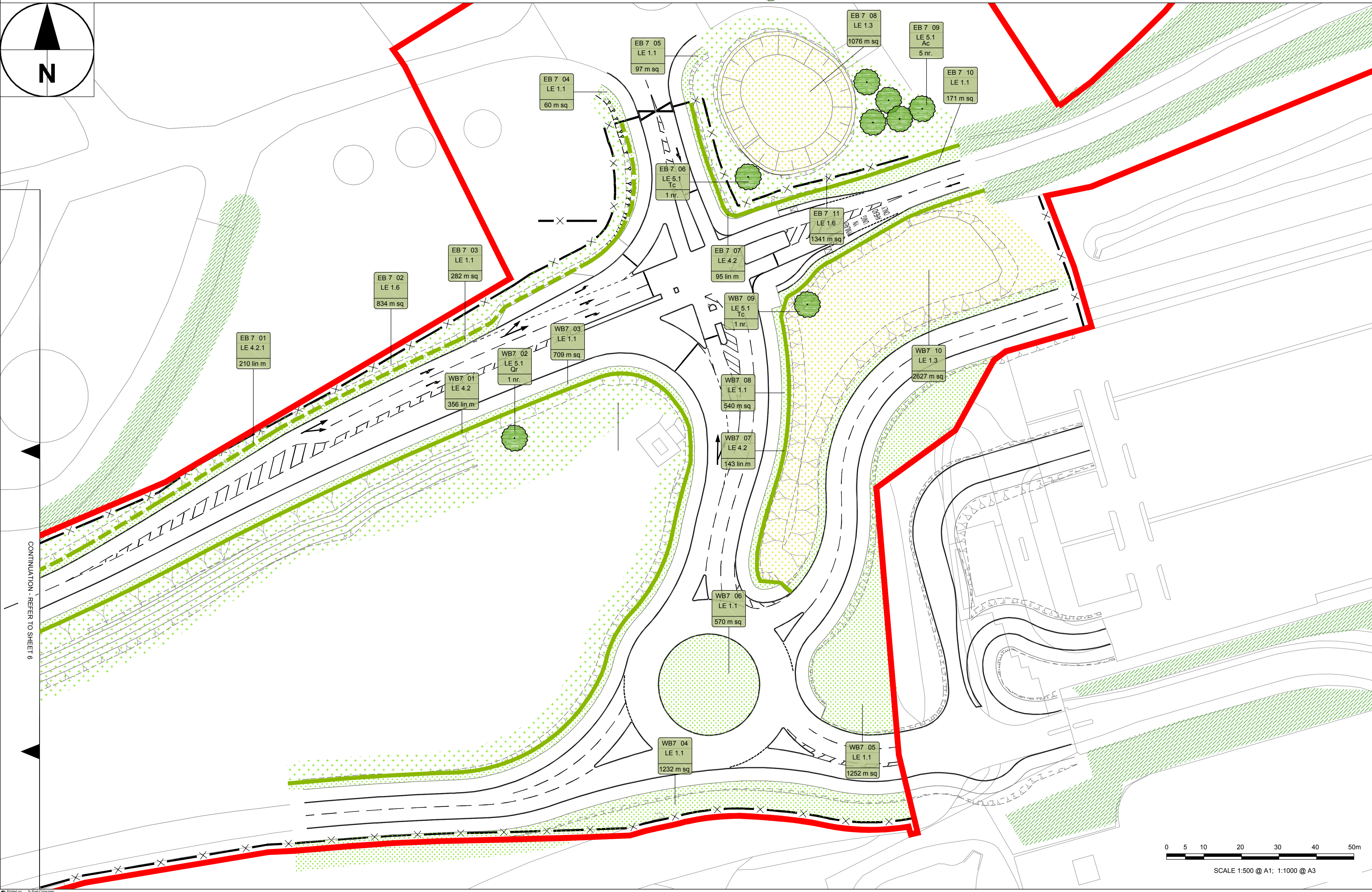
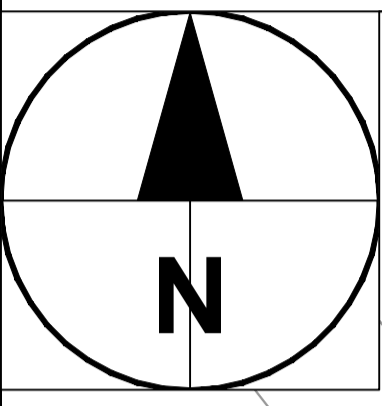
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CONTINUATION - REFER TO SHEET 6
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As a fully integrated firm, we connect knowledge and experience across our global network of experts to help clients solve their most complex challenges.

From high-performance buildings and infrastructure, to resilient communities and environments, to stable and secure nations, our work is transformative, differentiated and vital. A Fortune 500 firm, AECOM companies had revenue of approximately US\$19 billion during the 12 months ended June 30, 2015.

See how we deliver what others can only imagine at aecom.com and [@AECOM](https://twitter.com/AECOM).

Contact
Rhys Mander
Associate
T +44 (0)29 2067 4600
E rhys.mander@aecom.com

1 Callaghan Square
Cardiff
CF10 5BT
United Kingdom