



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 log).

- Construction
- WORKING ON AND ADJACENT TO LIVE CARRIAGEWAY
- HIGH PERCENTAGE OF CARAVAN TRAILER TRAFFIC IN THIS AREA
- OVERHEAD ELECTRICITY CABLES OVER CARRIAGEWAY

NOTES

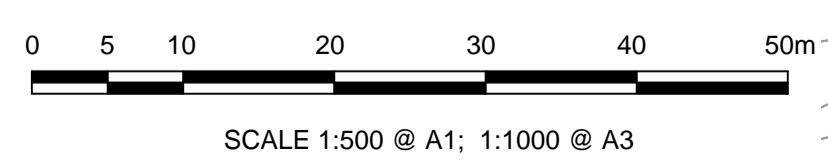
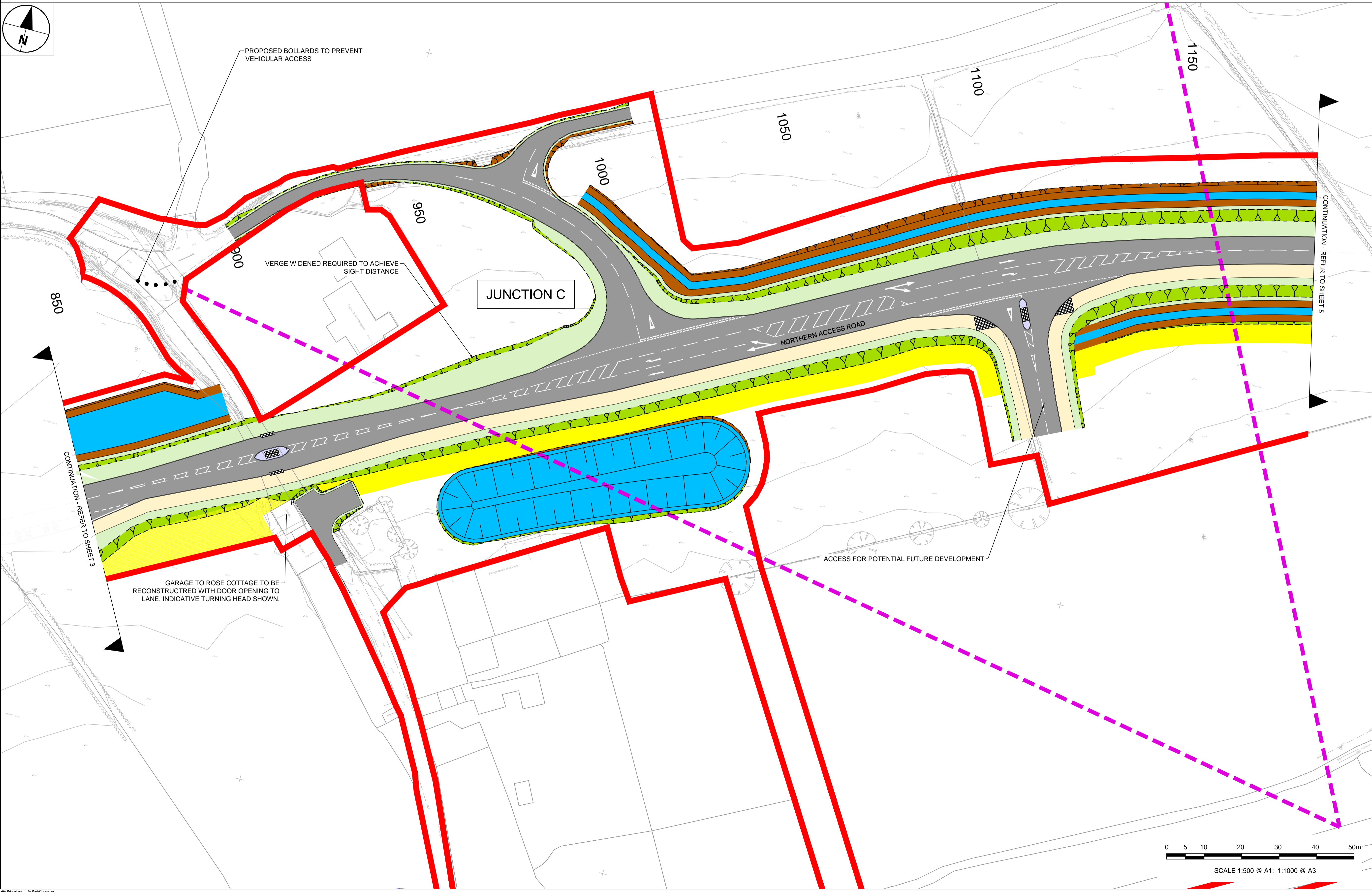
1. ALL WORKS ARE TO BE CARRIED OUT IN ACCORDANCE WITH THE CONTRACT SPECIFICATION AND THE MANUAL OF CONTRACT DOCUMENTS FOR HIGHWAY WORKS.
2. ALL WORKING HOURS AND TRAFFIC MANAGEMENT MEASURES ARE TO BE AGREED WITH THE LOCAL HIGHWAY AUTHORITY AND DEPLOYED IN ACCORDANCE WITH CHAPTER 8 OF THE TRAFFIC SIGNS MANUAL.
3. LOCATION OF SITE COMPOUND TO BE AGREED WITH THE LOCAL HIGHWAY AUTHORITY PRIOR TO WORKS COMMENCING. ALL MOVEMENT OF PLANT SHOULD BE IN ACCORDANCE WITH RECOGNISED GOOD INDUSTRY PRACTICE. BANKSMEN SHOULD BE PROVIDED WHEN REQUIRED.
4. THE GENERAL PUBLIC SHOULD BE SEPARATED FROM THE WORKS WITH ADEQUATE LATERAL CLEARANCE AND APPROPRIATE SAFETY ZONES PROVIDED IN ACCORDANCE WITH CHAPTER 8 OF THE TRAFFIC SIGNS MANUAL.
5. ACCESS TO PRIVATE PROPERTIES MUST BE MAINTAINED AT ALL TIMES UNLESS OTHERWISE AGREED WITH THE AFFECTED PARTY AND THE LOCAL HIGHWAY AUTHORITY.
6. MEASURES SHOULD BE DEPLOYED TO ENSURE NOISE, VIBRATION AND DUST IS MINIMISED.
7. ALL BURIED SERVICES ARE TO BE POSITIVELY LOCATED ON SITE PRIOR TO EXCAVATION. CAT SCANS SHALL BE COMPLETED PRIOR TO EXCAVATION WITH SERVICE LOCATIONS MARKED UP ON SITE. OPERATIVES SHALL

EMPLOY HAND DIGGING METHODS WHEN WORKING IN CLOSE PROXIMITY TO BURIED SERVICES. STATUTORY UNDERTAKER'S PLANT SHALL BE PROTECTED AS NECESSARY. ADDITIONAL TRIAL PITS SHALL BE EXCAVATED AS REQUIRED.

8. FINAL LAYOUT OF PUBLIC RIGHT OF WAY TO BE AGREED.

KEY

- PROPOSED WHITE ROAD MARKINGS
- PROPOSED YELLOW ROAD MARKINGS
- PROPOSED CARRIAGEWAY
- PROPOSED SHARED FOOTWAY/CYCLEWAY
- PROPOSED VERGE
- PROPOSED CUT
- PROPOSED EMBANKMENT
- PROPOSED TRAFFIC ISLAND
- PROPOSED MAINTENANCE HARDSTANDING
- PROPOSED DRAINAGE FEATURE
- PROPOSED MAINTENANCE CORRIDOR
- LIMIT OF DESIGN
- EXISTING WATER COURSE
- AREA FOR CONTRACTOR'S COMPOUND
- EXISTING PUBLIC RIGHT OF WAY
- PROPOSED TACTILE PAVING
- PROPOSED CULVERT
- 150 PROPOSED CHAINAGE
- PROPOSED BOLLARD
- PROPOSED ACCESS TRACK
- PROPOSED BRICK OVERRUN AREA



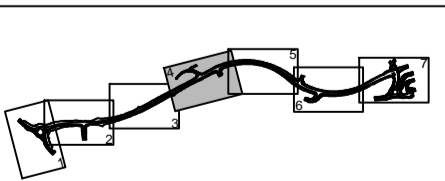
STATUS

PLANNING PERMISSION ISSUE

ISSUE/REVISION

NO	DATE	DESCRIPTION
A	27-03-17	PLANNING SUBMISSION ISSUE

KEY PLAN



PROJECT NUMBER

60509148

SHEET TITLE

ST.ATHAN
GENERAL ARRANGEMENT
SHEET 4 OF 8

SHEET NUMBER

60509148-SHT-30-0000-CT-0124

850 A1 594mm x 841mm
Approved: RM
Checked: RM
Designer: MH
Project Management Initials:
Last saved by: BEAMBRIDGE
Last Plotted: 2017-03-14
Filename: P:\UK\DFI\TP\PROJECTS\HIGHWAYS - ST.ATHAN\3D EXECUTION\3D DOCUMENTS\60509148-SHT-30-0000-CT-0124_0124.DWG

This drawing has been prepared for the use of AECOM's client. It may not be used, modified, reproduced or relied upon by third parties, except as agreed by AECOM or as required by law. AECOM accepts no responsibility, and denies any liability whatsoever, to any party that uses or relies on this drawing without AECOM's express written consent. Do not scale this document. All measurements must be obtained from the stated dimensions.



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 log).

Construction
WORKING ADJACENT TO WATERCOURSE

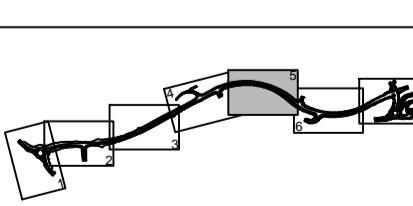
STATUS

PLANNING PERMISSION ISSUE

ISSUE/REVISION

NO	DATE	DESCRIPTION
A	27-03-17	PLANNING SUBMISSION ISSUE

KEY PLAN



PROJECT NUMBER

60509148

SHEET TITLE

ST.ATHAN
GENERAL ARRANGEMENT
SHEET 5 OF 8

SHEET NUMBER

60509148-SHT-30-0000-CT-0125

NOTES

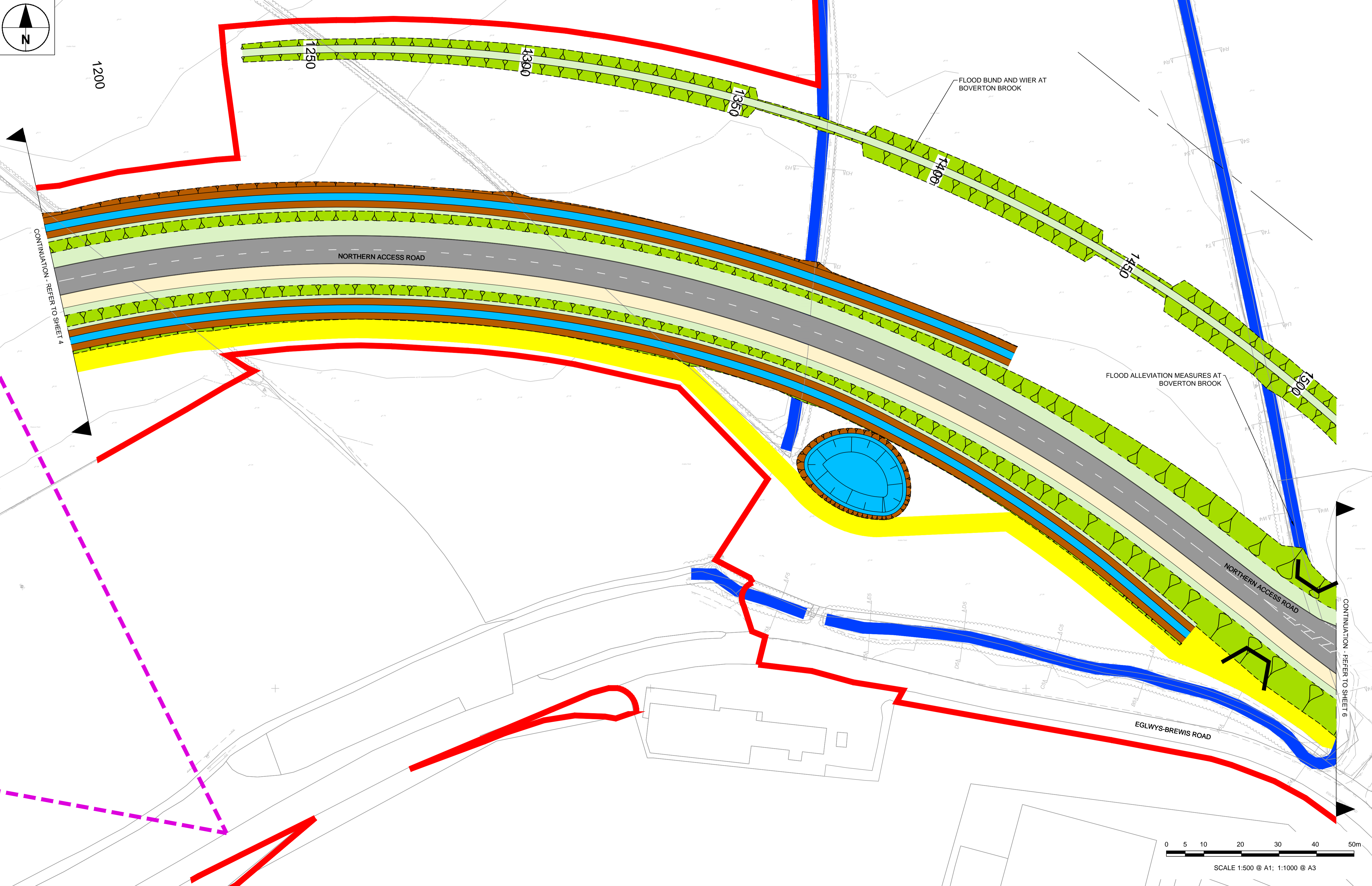
1. ALL WORKS ARE TO BE CARRIED OUT IN ACCORDANCE WITH THE CONTRACT SPECIFICATION AND THE MANUAL OF CONTRACT DOCUMENTS FOR HIGHWAY WORKS.
2. ALL WORKING HOURS AND TRAFFIC MANAGEMENT MEASURES ARE TO BE AGREED WITH THE LOCAL HIGHWAY AUTHORITY AND DEPLOYED IN ACCORDANCE WITH CHAPTER 8 OF THE TRAFFIC SIGNS MANUAL.
3. LOCATION OF SITE COMPOUND TO BE AGREED WITH THE LOCAL HIGHWAY AUTHORITY PRIOR TO WORKS COMMENCING. ALL MOVEMENT OF PLANT SHOULD BE IN ACCORDANCE WITH RECOGNISED GOOD INDUSTRY PRACTICE. BANKSMEN SHOULD BE PROVIDED WHEN REQUIRED.
4. THE GENERAL PUBLIC SHOULD BE SEPARATED FROM THE WORKS WITH ADEQUATE LATERAL CLEARANCE AND APPROPRIATE SAFETY ZONES PROVIDED IN ACCORDANCE WITH CHAPTER 8 OF THE TRAFFIC SIGNS MANUAL.
5. ACCESS TO PRIVATE PROPERTIES MUST BE MAINTAINED AT ALL TIMES UNLESS OTHERWISE AGREED WITH THE AFFECTED PARTY AND THE LOCAL HIGHWAY AUTHORITY.
6. MEASURES SHOULD BE DEPLOYED TO ENSURE NOISE, VIBRATION AND DUST IS MINIMISED.
7. ALL BURIED SERVICES ARE TO BE POSITIVELY LOCATED ON SITE PRIOR TO EXCAVATION. CAT SCANS SHALL BE COMPLETED PRIOR TO EXCAVATION WITH SERVICE LOCATIONS MARKED UP ON SITE. OPERATIVES SHALL

EMPLOY HAND DIGGING METHODS WHEN WORKING IN CLOSE PROXIMITY TO BURIED SERVICES. STATUTORY UNDERTAKER'S PLANT SHALL BE PROTECTED AS NECESSARY. ADDITIONAL TRIAL PITS SHALL BE EXCAVATED AS REQUIRED.

8. FINAL LAYOUT OF PUBLIC RIGHT OF WAY TO BE AGREED.

KEY

- PROPOSED WHITE ROAD MARKINGS
- PROPOSED YELLOW ROAD MARKINGS
- PROPOSED CARRIAGEWAY
- PROPOSED SHARED FOOTWAY/CYCLEWAY
- PROPOSED VERGE
- PROPOSED CUT
- PROPOSED EMBANKMENT
- PROPOSED TRAFFIC ISLAND
- PROPOSED MAINTENANCE HARDSTANDING
- PROPOSED DRAINAGE FEATURE
- PROPOSED MAINTENANCE CORRIDOR
- LIMIT OF DESIGN
- EXISTING WATER COURSE
- AREA FOR CONTRACTOR'S COMPOUND
- EXISTING PUBLIC RIGHT OF WAY
- PROPOSED TACTILE PAVING
- PROPOSED CULVERT
- 150 PROPOSED CHAINAGE
- PROPOSED BOLLARD
- PROPOSED ACCESS TRACK
- PROPOSED BRICK OVERRUN AREA



BSO A1 594mm x 841mm
 Project Management Initials: Designer: MH Checked: RM Approved: RM
 File name: PLUKCDF1:TPPROJECTS\HIGHWAYS - ST.ATHAN\03 EXECUTION\03 DOCUMENTS\0100 - GENERAL ARRANGEMENTS\0509148-SHT-30-0000-CT-0125_0125.DWG Last saved by: BEIMBRIDGEB Last Plotted: 2017-03-14
 Printed on: 100% Recycled Content Paper

This drawing has been prepared for the use of AECOM's client. It may not be used, modified, reproduced or relied upon by third parties, except as agreed by AECOM or as required by law. AECOM accepts no responsibility, and denies any liability whatsoever, to any party that uses or relies on this drawing without AECOM's express written consent. Do not scale. All measurements must be obtained from the stated dimensions.



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 log).

Construction
UNDERGROUND UTILITIES IN THIS AREA (INC. GAS)
WORKING ADJACENT TO WATERCOURSE
WORKING ON AND ADJACENT TO LIVE CARRIAGEWAY
MOD ACTIVITIES IN ADJACENT LAND

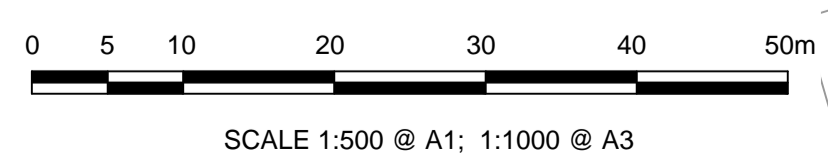
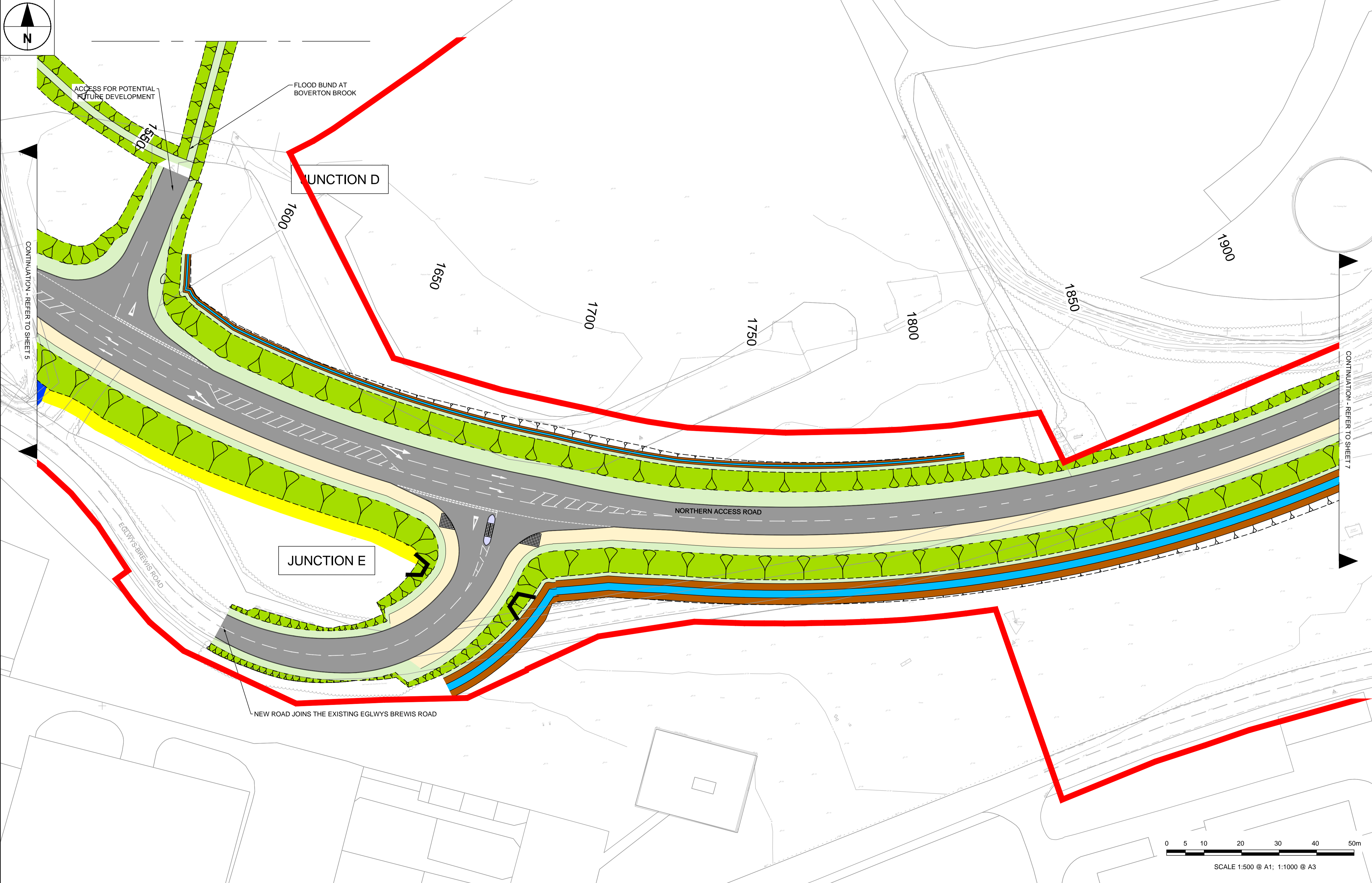
NOTES

1. ALL WORKS ARE TO BE CARRIED OUT IN ACCORDANCE WITH THE CONTRACT SPECIFICATION AND THE MANUAL OF CONTRACT DOCUMENTS FOR HIGHWAY WORKS.
2. ALL WORKING HOURS AND TRAFFIC MANAGEMENT MEASURES ARE TO BE AGREED WITH THE LOCAL HIGHWAY AUTHORITY AND DEPLOYED IN ACCORDANCE WITH CHAPTER 8 OF THE TRAFFIC SIGNS MANUAL.
3. LOCATION OF SITE COMPOUND TO BE AGREED WITH THE LOCAL HIGHWAY AUTHORITY PRIOR TO WORKS COMMENCING. ALL MOVEMENT OF PLANT SHOULD BE IN ACCORDANCE WITH RECOGNISED GOOD INDUSTRY PRACTICE. BANKSMEN SHOULD BE PROVIDED WHEN REQUIRED.
4. THE GENERAL PUBLIC SHOULD BE SEPARATED FROM THE WORKS WITH ADEQUATE LATERAL CLEARANCE AND APPROPRIATE SAFETY ZONES PROVIDED IN ACCORDANCE WITH CHAPTER 8 OF THE TRAFFIC SIGNS MANUAL.
5. ACCESS TO PRIVATE PROPERTIES MUST BE MAINTAINED AT ALL TIMES UNLESS OTHERWISE AGREED WITH THE AFFECTED PARTY AND THE LOCAL HIGHWAY AUTHORITY.
6. MEASURES SHOULD BE DEPLOYED TO ENSURE NOISE, VIBRATION AND DUST IS MINIMISED.
7. ALL BURIED SERVICES ARE TO BE POSITIVELY LOCATED ON SITE PRIOR TO EXCAVATION. CAT SCANS SHALL BE COMPLETED PRIOR TO EXCAVATION WITH SERVICE LOCATIONS MARKED UP ON SITE. OPERATIVES SHALL

- EMPLOY HAND DIGGING METHODS WHEN WORKING IN CLOSE PROXIMITY TO BURIED SERVICES. STATUTORY UNDERTAKER'S PLANT SHALL BE PROTECTED AS NECESSARY. ADDITIONAL TRIAL PITS SHALL BE EXCAVATED AS REQUIRED.
8. FINAL LAYOUT OF PUBLIC RIGHT OF WAY TO BE AGREED.

KEY

- PROPOSED WHITE ROAD MARKINGS
- PROPOSED YELLOW ROAD MARKINGS
- PROPOSED CARRIAGEWAY
- PROPOSED SHARED FOOTWAY/CYCLEWAY
- PROPOSED VERGE
- PROPOSED CUT
- PROPOSED EMBANKMENT
- PROPOSED TRAFFIC ISLAND
- PROPOSED MAINTENANCE HARDSTANDING
- PROPOSED DRAINAGE FEATURE
- PROPOSED MAINTENANCE CORRIDOR
- LIMIT OF DESIGN
- EXISTING WATER COURSE
- AREA FOR CONTRACTOR'S COMPOUND
- EXISTING PUBLIC RIGHT OF WAY
- PROPOSED TACTILE PAVING
- PROPOSED CULVERT
- PROPOSED CHAINAGE
- PROPOSED BOLLARD
- PROPOSED ACCESS TRACK
- PROPOSED BRICK OVERRUN AREA



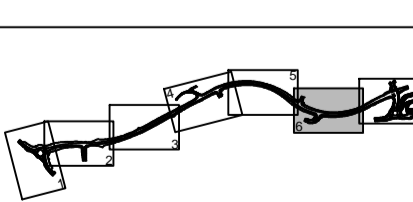
STATUS

PLANNING PERMISSION ISSUE

ISSUE/REVISION

NO	DATE	DESCRIPTION
A	27-03-17	PLANNING SUBMISSION ISSUE

KEY PLAN



PROJECT NUMBER

60509148

SHEET TITLE

ST.ATHAN
GENERAL ARRANGEMENT
SHEET 6 OF 8

SHEET NUMBER

60509148-SHT-30-0000-CT-0126

BSO A1 894mm x 641mm
 Approved: RM
 Checked: RM
 Designer: MH
 Project Management Initials:
 Last saved by: BEAMBRIDGEB Last Plotted: 2017-03-14
 File name: P:\UK\CDP1\TP\PROJECTS\HIGHWAYS - ST.ATHAN\03 EXECUTION\03 DOCUMENTS\0100 - GENERAL ARRANGEMENT\60509148-SHT-30-0000-CT-0126_0127.DWG
 Recycled Content Paper

This drawing has been prepared for the use of AECOM's client. It may not be used, modified, reproduced or relied upon by third parties, except as agreed by AECOM or as required by law. AECOM accepts no responsibility, and denies any liability whatsoever, to any party that uses or relies on this drawing without AECOM's express written consent. Do not scale. All measurements must be obtained from the stated dimensions.



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 log).

Construction
UNDERGROUND UTILITIES IN THIS AREA (INC. GAS AND ELECTRICITY)
WORKING ADJACENT TO WATERCOURSE
MOD ACTIVITIES IN ADJACENT LAND
WORKING ON AND ADJACENT TO LIVE CARRIAGEWAY

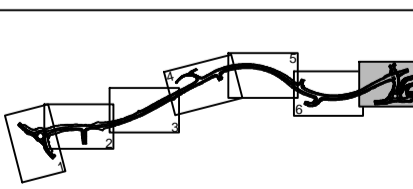
STATUS

PLANNING PERMISSION ISSUE

ISSUE/REVISION

NO	DATE	DESCRIPTION
A	27-03-17	PLANNING SUBMISSION ISSUE

KEY PLAN



PROJECT NUMBER

60509148

SHEET TITLE

ST.ATHAN
GENERAL ARRANGEMENT
SHEET 7 OF 8

SHEET NUMBER

60509148-SHT-30-0000-CT-0127

NOTES

1. ALL WORKS ARE TO BE CARRIED OUT IN ACCORDANCE WITH THE CONTRACT SPECIFICATION AND THE MANUAL OF CONTRACT DOCUMENTS FOR HIGHWAY WORKS.
2. ALL WORKING HOURS AND TRAFFIC MANAGEMENT MEASURES ARE TO BE AGREED WITH THE LOCAL HIGHWAY AUTHORITY AND DEPLOYED IN ACCORDANCE WITH CHAPTER 8 OF THE TRAFFIC SIGNS MANUAL.
3. LOCATION OF SITE COMPOUND TO BE AGREED WITH THE LOCAL HIGHWAY AUTHORITY PRIOR TO WORKS COMMENCING. ALL MOVEMENT OF PLANT SHOULD BE IN ACCORDANCE WITH RECOGNISED GOOD INDUSTRY PRACTICE. BANKSMEN SHOULD BE PROVIDED WHEN REQUIRED.
4. THE GENERAL PUBLIC SHOULD BE SEPARATED FROM THE WORKS WITH ADEQUATE LATERAL CLEARANCE AND APPROPRIATE SAFETY ZONES PROVIDED IN ACCORDANCE WITH CHAPTER 8 OF THE TRAFFIC SIGNS MANUAL.
5. ACCESS TO PRIVATE PROPERTIES MUST BE MAINTAINED AT ALL TIMES UNLESS OTHERWISE AGREED WITH THE AFFECTED PARTY AND THE LOCAL HIGHWAY AUTHORITY.
6. MEASURES SHOULD BE DEPLOYED TO ENSURE NOISE, VIBRATION AND DUST IS MINIMISED.
7. ALL BURIED SERVICES ARE TO BE POSITIVELY LOCATED ON SITE PRIOR TO EXCAVATION. CAT SCANS SHALL BE COMPLETED PRIOR TO EXCAVATION WITH SERVICE LOCATIONS MARKED UP ON SITE. OPERATIVES SHALL

EMPLOY HAND DIGGING METHODS WHEN WORKING IN CLOSE PROXIMITY TO BURIED SERVICES. STATUTORY UNDERTAKER'S PLANT SHALL BE PROTECTED AS NECESSARY. ADDITIONAL TRIAL PITS SHALL BE EXCAVATED AS REQUIRED.

8. FINAL LAYOUT OF PUBLIC RIGHT OF WAY TO BE AGREED.

KEY

- PROPOSED WHITE ROAD MARKINGS
- PROPOSED YELLOW ROAD MARKINGS
- PROPOSED CARRIAGEWAY
- PROPOSED SHARED FOOTWAY/CYCLEWAY
- PROPOSED VERGE
- PROPOSED CUT
- PROPOSED EMBANKMENT
- PROPOSED TRAFFIC ISLAND
- PROPOSED MAINTENANCE HARDSTANDING
- PROPOSED DRAINAGE FEATURE
- PROPOSED MAINTENANCE CORRIDOR
- LIMIT OF DESIGN
- EXISTING WATER COURSE
- AREA FOR CONTRACTOR'S COMPOUND
- EXISTING PUBLIC RIGHT OF WAY
- PROPOSED TACTILE PAVING
- PROPOSED CULVERT
- 150 PROPOSED CHAINAGE
- PROPOSED BOLLARD
- PROPOSED ACCESS TRACK
- PROPOSED BRICK OVERRUN AREA



File name: P:\UK\CDP1\TP\PROJECTS\HIGHWAYS - ST.ATHAN\03 EXECUTION\03 DOCUMENTS\0308 CAD\01 WORKING DRAWINGS\0100 - GENERAL ARRANGEMENT\60509148-SHT-30-0000-CT-0127.DWG
 Last saved by: BEIMBRIDGEB
 Last plotted: 2017-03-14
 Project Management Initials: Designer: MH Checked: RM Approved: RM
 ISO A1 594mm x 841mm

This drawing has been prepared for the use of AECOM's client. It may not be used, modified, reproduced or relied upon by third parties, except as agreed by AECOM or as required by law. AECOM accepts no responsibility, and denies any liability whatsoever, to any party that uses or relies on this drawing without AECOM's express written consent. Do not scale this document. All measurements must be obtained from the stated dimensions.