

**Tillbridge Solar Project
EN010142**

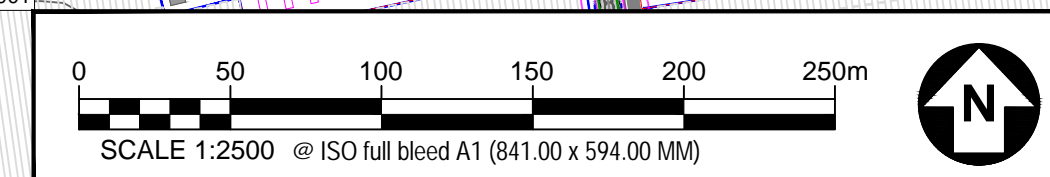
**Volume 6
Environmental Statement**
Appendix 12-7: Arboricultural Impact Assessment
Part 3 of 3
Document Reference: EN010142/APP/6.2

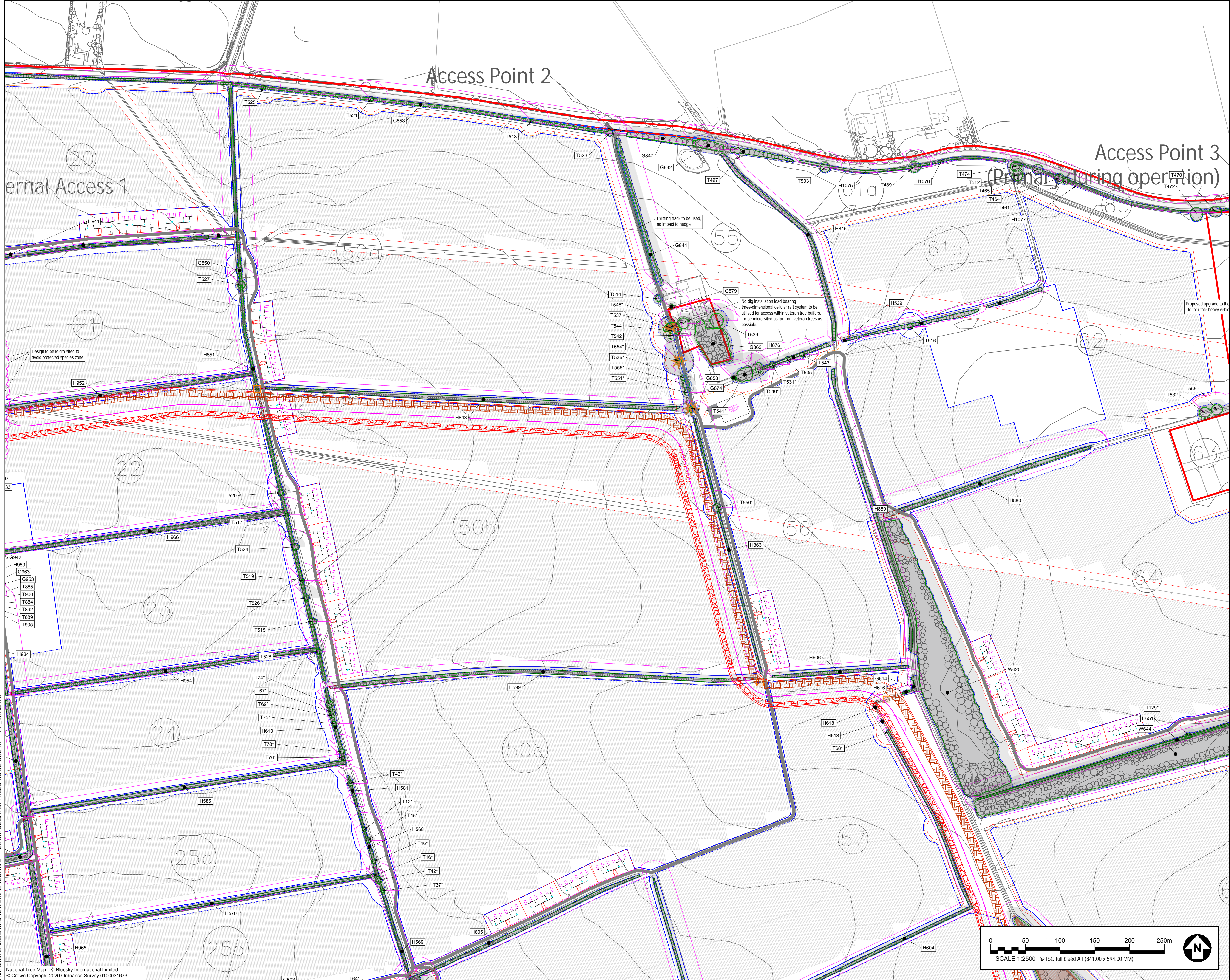
**Regulation 5(2)(a)
Infrastructure Planning (Applications: Prescribed Forms and
Procedure) Regulations 2009**

**April 2025
Revision Number: 01**

Annex C Tree Protection Plan

(Continued)





PROJECT

Tillbridge Solar Project

CLIENT

Tillbridge Solar Limited

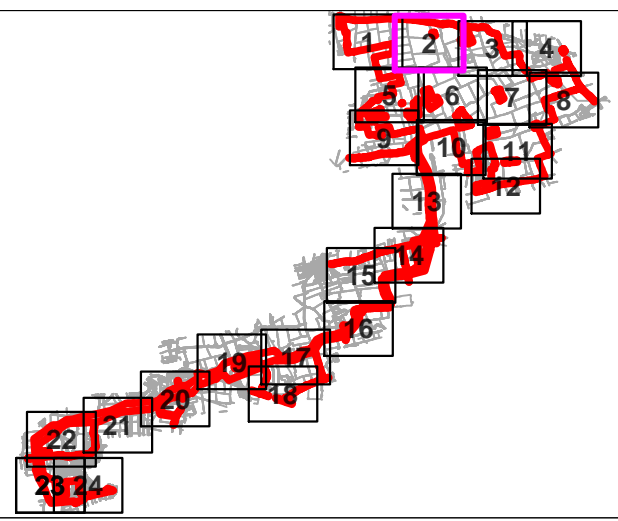
CONSULTANT

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Plymouth, PL6 5DH
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Fax +44(0)870 238 6023
www.aecom.com

GENERAL NOTES

1. TREE CATEGORIES AS DEFINED BY BS 5837:2012
2. TREE LOCATIONS ARE BASED ON THE TOPOGRAPHICAL SURVEY. AERIAL IMAGERY AND GPS CO-ORDINATES FROM ON SITE WALKOVER.
3. PLANS SHOULD BE READ IN CONJUNCTION WITH THE AECOM ARBORICULTURAL REPORT.
4. THE ORIGINAL OF THIS DRAWING WAS PRODUCED IN COLOUR - A MONOCHROME COPY SHOULD NOT BE RELIED UPON.
5. DRAWING REFERENCES:
LPA Designations.dwg
CEV_Tillbridge Solar_20240216_OF_VAR_AZ_V1_A_BEDT.dwg
Combined public road improvements_T5524.dwg
Important hedgerows_CAD.dwg
Tillbridge Solar_Coverage_20240115_PT.dwg
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Principal Site Accesses_Combined 26.03.24.dwg
20240216_Cable Corridor NTH Data.dwg
Tillbridge_Coverage.dwg
Top_Combined.dwg

KEY PLAN



KEY

- ORDER LIMITS
- EXISTING TREE, GROUP, WOODLAND, OR HEDGE TO BE RETAINED
- EXISTING TREE, GROUP, WOODLAND, OR HEDGE TO BE REMOVED
- ROOT PROTECTION AREA OF RETAINED TREES (AS DEFINED BY BS 5837:2012)
- VETERAN (ANCIENT TREE MARKER)
- INDICATED POSITION OF TREE OF VETERAN OR ANCIENT STATUS
- TREE PROTECTION FENCING
- CONSTRUCTION EXCLUSION ZONE (WORKING OF PLANT, MATERIALS STORAGE, EXCAVATION AND ALL OTHER CONSTRUCTION ACTIVITIES ARE EXCLUDED WITHIN THESE AREAS FOR THE PURPOSES OF PROTECTING TREE HEALTH)
- NATIONAL TREE MAP DATA (PROVIDED BY BLUE SKY TO WHOM INDICATIVE 80M BUFFER ADDED BY AECOM)
- NATIONAL TREE MAP DATA - TO BE REMOVED FOR INDICATIVE ALTERNATIVE CABLE ROUTE
- APPROXIMATE SHADING ARC (AS DEFINED BY BS 5837:2012)
- APPROXIMATE MAX HEIGHT SHADING ARC (BASED ON WIND-ASSISTED HEIGHT DATA)
- CONSTRUCTION WORKING ZONE (MANAGED CONSTRUCTION PROCESSES PERMITTED IN ACCORDANCE WITH THE PRINCIPLES SET OUT WITHIN THE ARBORICULTURAL REPORT (ASSESSMENT))
- PROPOSED DEVELOPMENT LAYOUT (BASED UPON DRAWING REFERENCES LISTED IN THE GENERAL NOTES SECTION)
- INDICATIVE ALTERNATIVE CABLE ROUTE (ALTERNATIVE ROUTE BASED ON AVOIDANCE OF VEGETATION LOSS)
- TREE PRESERVATION ORDER (AREA COVERED BY A TREE PRESERVATION ORDER (TPO))
- WOODPASTURE AND PARKLAND BAP (AREA CLASSIFIED AS WOODPASTURE AND PARKLAND BAP)
- ANCIENT AND SEMI-NATURAL WOODLAND (AREA CLASSIFIED AS AN ANCIENT AND SEMI-NATURAL WOODLAND)
- ANCIENT REPLANTED WOODLAND (AREA CLASSIFIED AS AN ANCIENT REPLANTED WOODLAND)
- PRIORITY HABITAT - TRADITIONAL ORCHARD (CLASSIFIED AS A PRIORITY HABITAT - TRADITIONAL ORCHARD)
- PRIORITY HABITAT - DECIDUOUS WOODLAND (CLASSIFIED AS A PRIORITY HABITAT - DECIDUOUS WOODLAND)

ISSUE/REVISION

| 01 | MAR 25 | UPDATED ORDER LIMITS AND UPDATED TPO DATA |
|-----|--------|---|
| 00 | MAR 24 | FOR DCO SUBMISSION |
| 1/R | DATE | DESCRIPTION |

DRAWING STATUS

FOR DCO SUBMISSION

PROJECT NUMBER

60682158

SHEET TITLE

TREE PROTECTION PLAN
(SHEET 2)

SHEET NUMBER

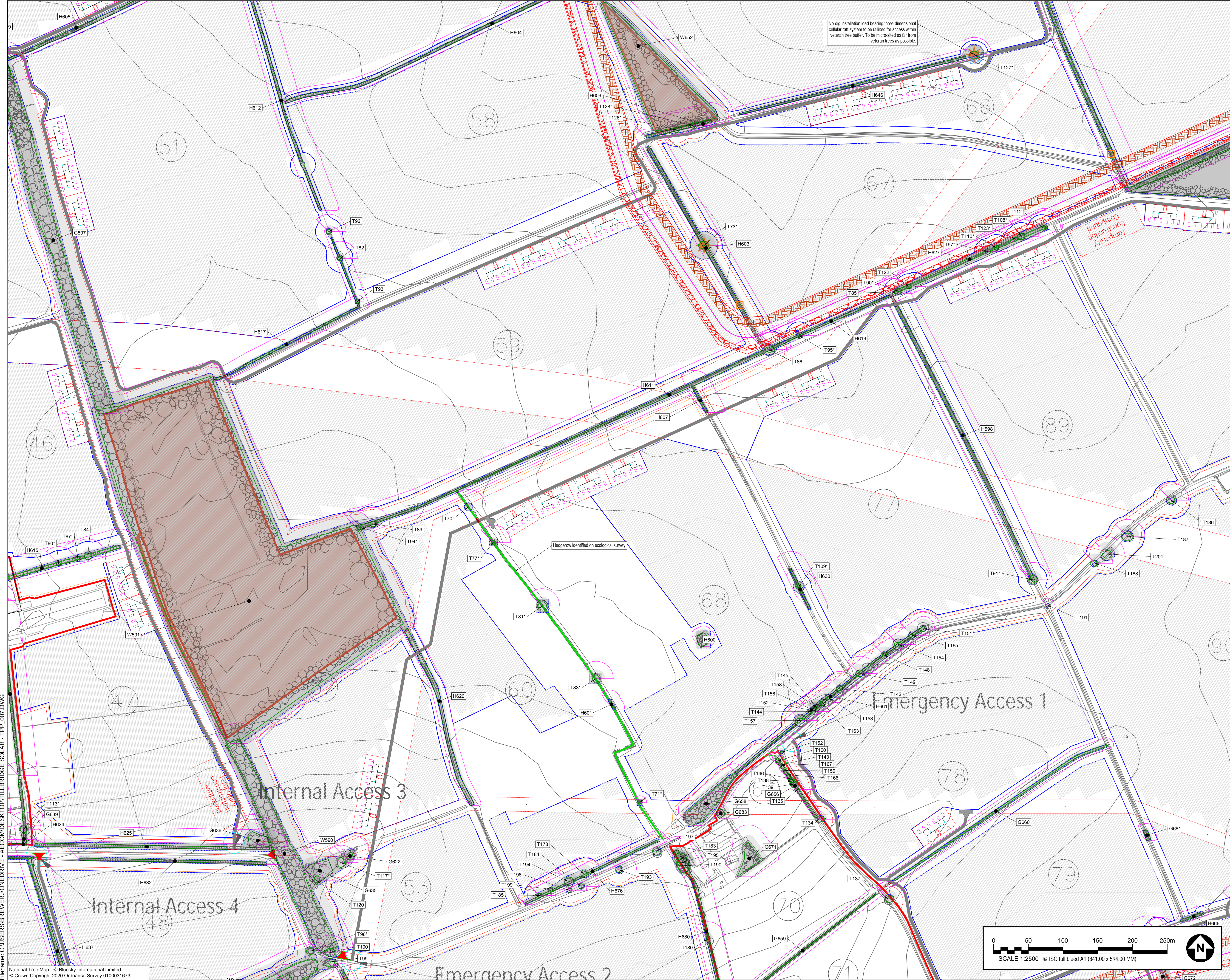
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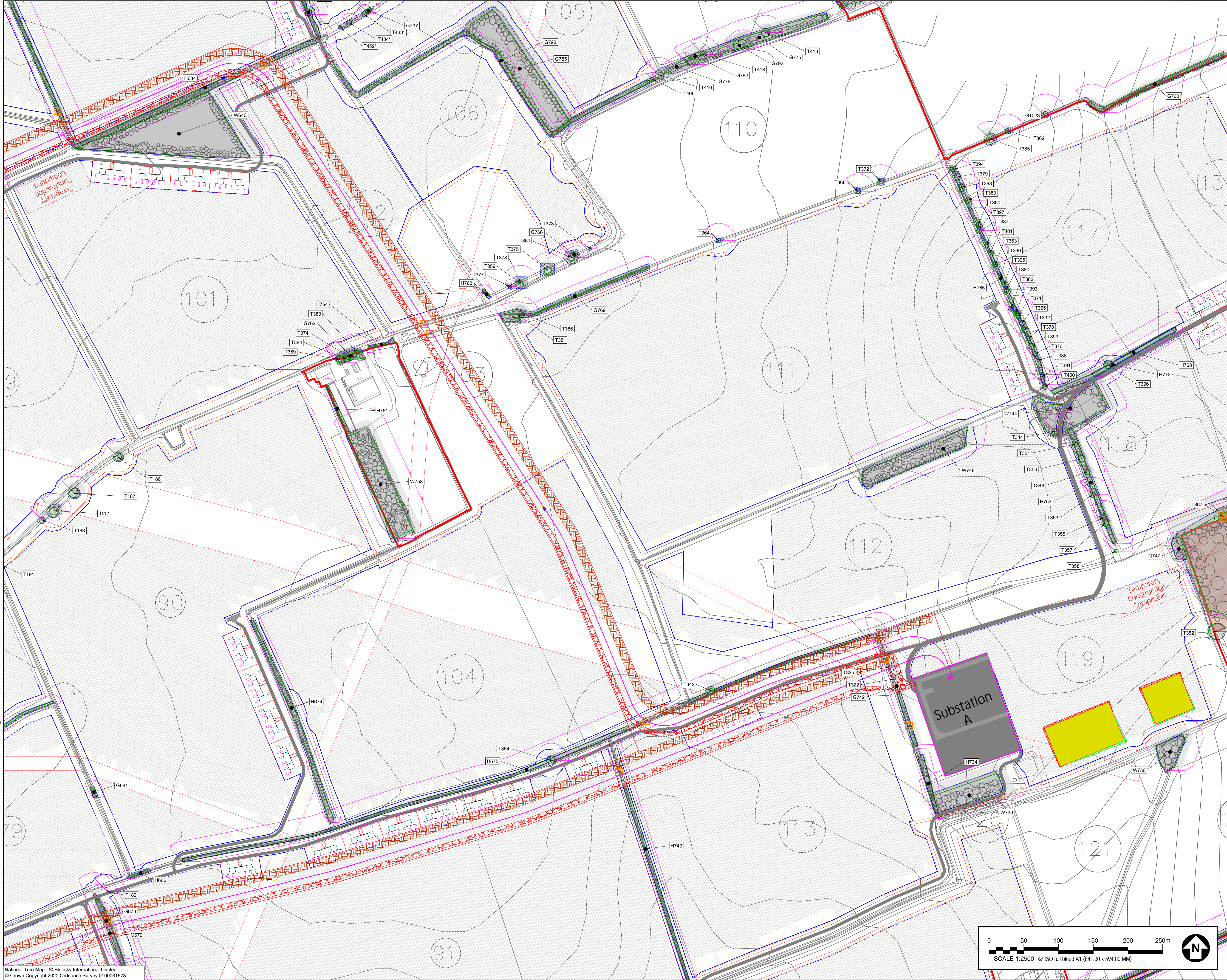
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PROJECT
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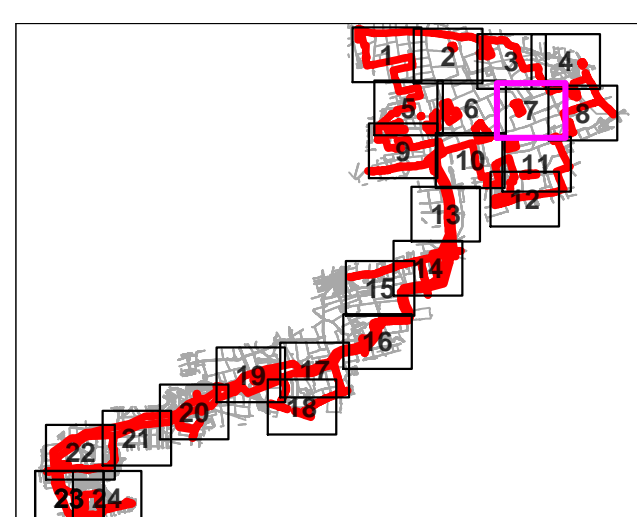
CLIENT
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CONSULTANT

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4. PLANS SHOULD BE READ IN CONJUNCTION WITH THE AECOM ARBOREAL REPORT.
5. THE ORIGINAL OF THIS DRAWING WAS PRODUCED IN COLOUR - A MONOCHROME COPY SHOULD NOT BE RELIED UPON.
6. DRAWING REFERENCES:
LPA Designations.dwg
CEV_Tillbridge Solar_20240216_DFL_VAR_AZ_V1_A_BEDDT.dwg
Combined public road improvements - T50224.dwg
ImportantHedges.dwg_CAD.dwg
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20240216_Cable Corridor NTH Data.dwg
Tillbridge_COAR.dwg
Topo_Combined.dwg

KEY PLAN



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- TREE PROTECTION FENCING
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- NATIONAL TREE MAP DATA (PROVIDED BY BLM AT 1:10,000 SCALE AND 10M BUFFER ADDED BY AECOM)
- NATIONAL TREE MAP DATA - TO BE REMOVED FOR INDICATIVE ALTERNATIVE CABLE ROUTE
- APPROXIMATE SHADING ARC (AS DEFINED BY BS 5837:2012)
- APPROXIMATE MAX HEIGHT SHADING ARC (BASED ON WINDWARD HANDBOOK DATA)
- CONSTRUCTION WORKING ZONE (MANAGED CONSTRUCTION PROCESSES PERMITTED IN ACCORDANCE WITH THE PRINCIPLES SET OUT WITHIN THE ARBOREAL REPORT (SECTION 6.1))
- PROPOSED DEVELOPMENT LAYOUT (BASED UPON DRAWING REFERENCES LISTED IN THE GENERAL NOTES SECTION)
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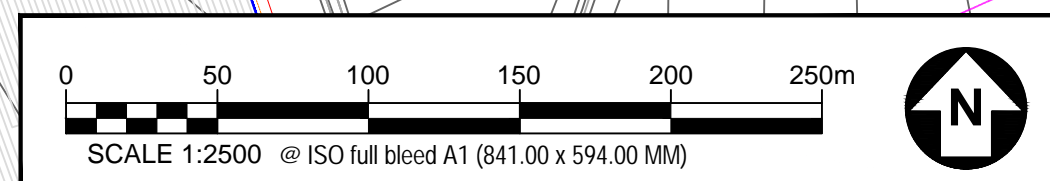
DRAWING STATUS
FOR DCO SUBMISSION

PROJECT NUMBER
60682158

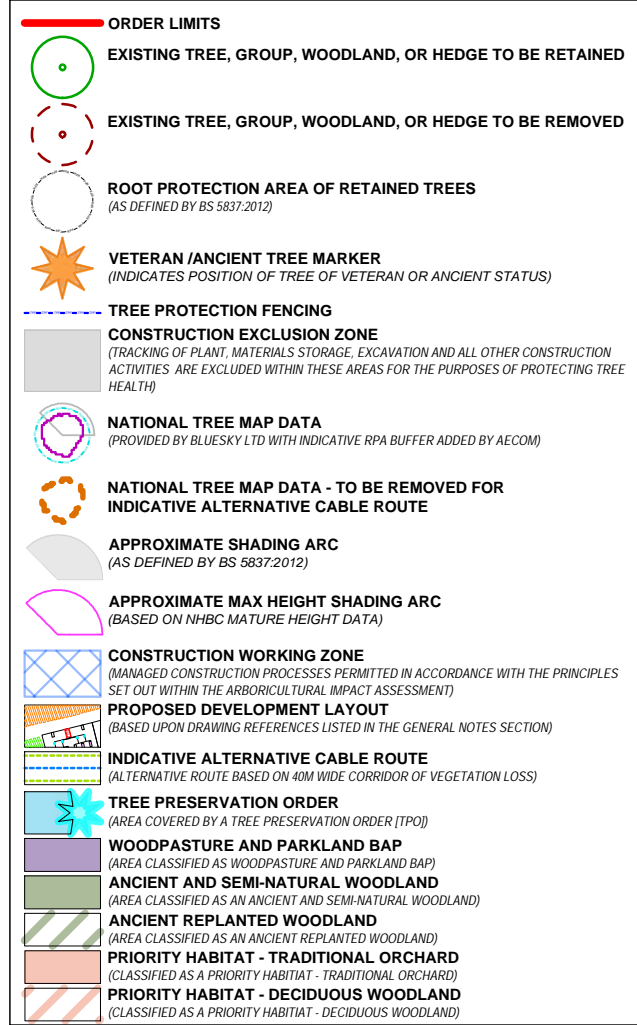
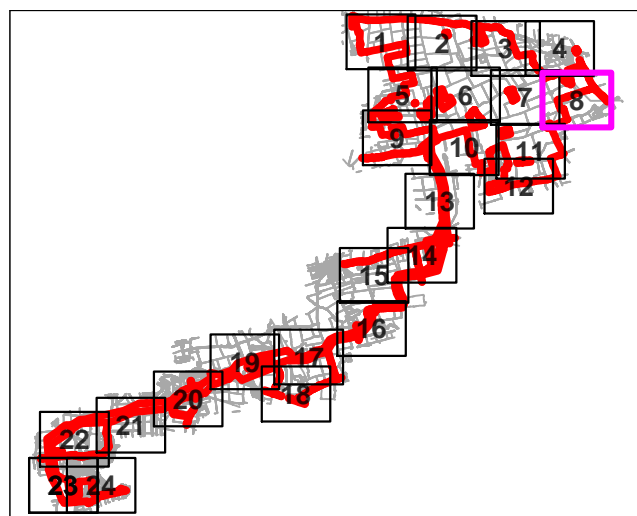
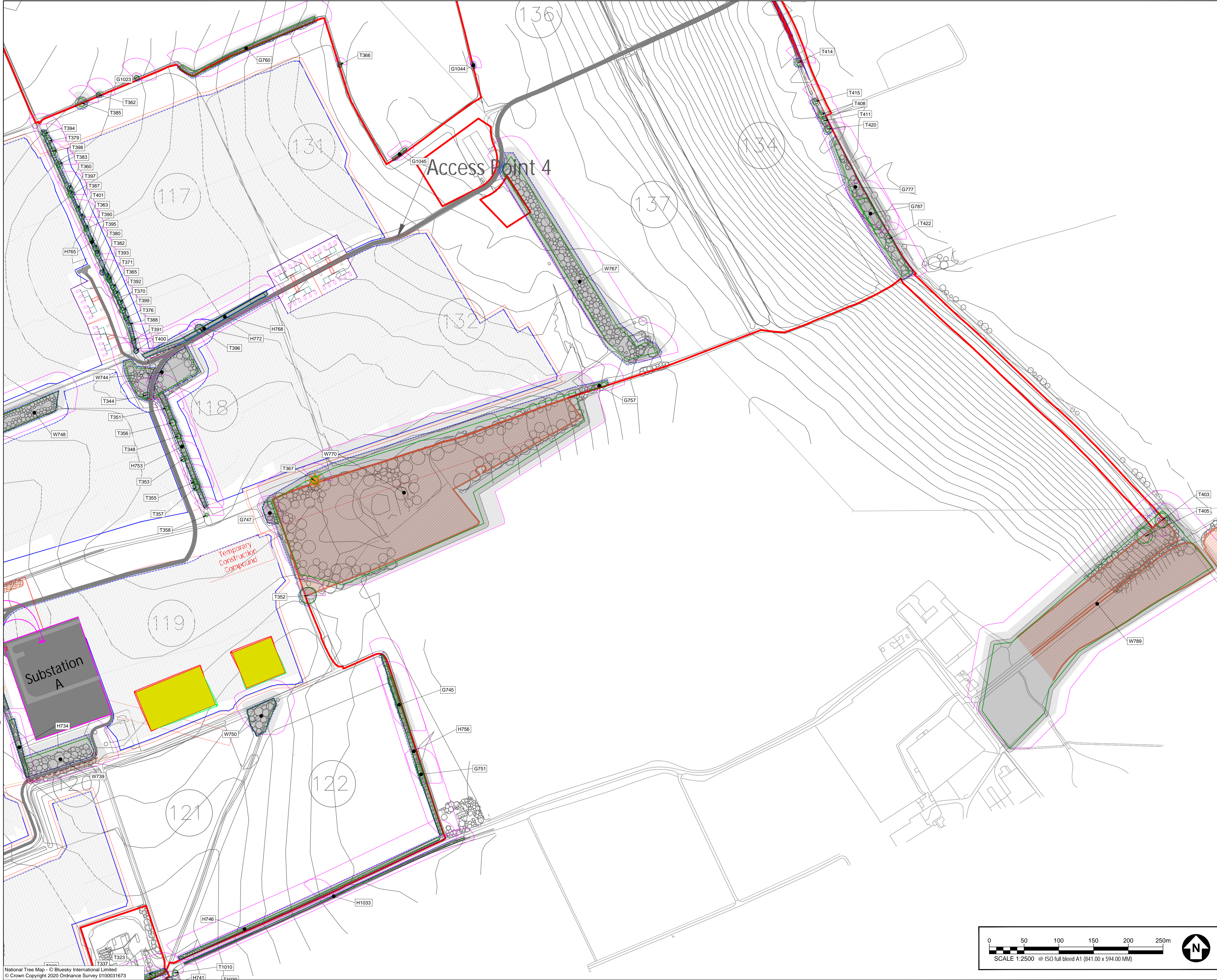
SHEET TITLE
TREE PROTECTION PLAN
(SHEET 7)

SHEET NUMBER
60682158-ACM-XX-XX-AB-TPP-07

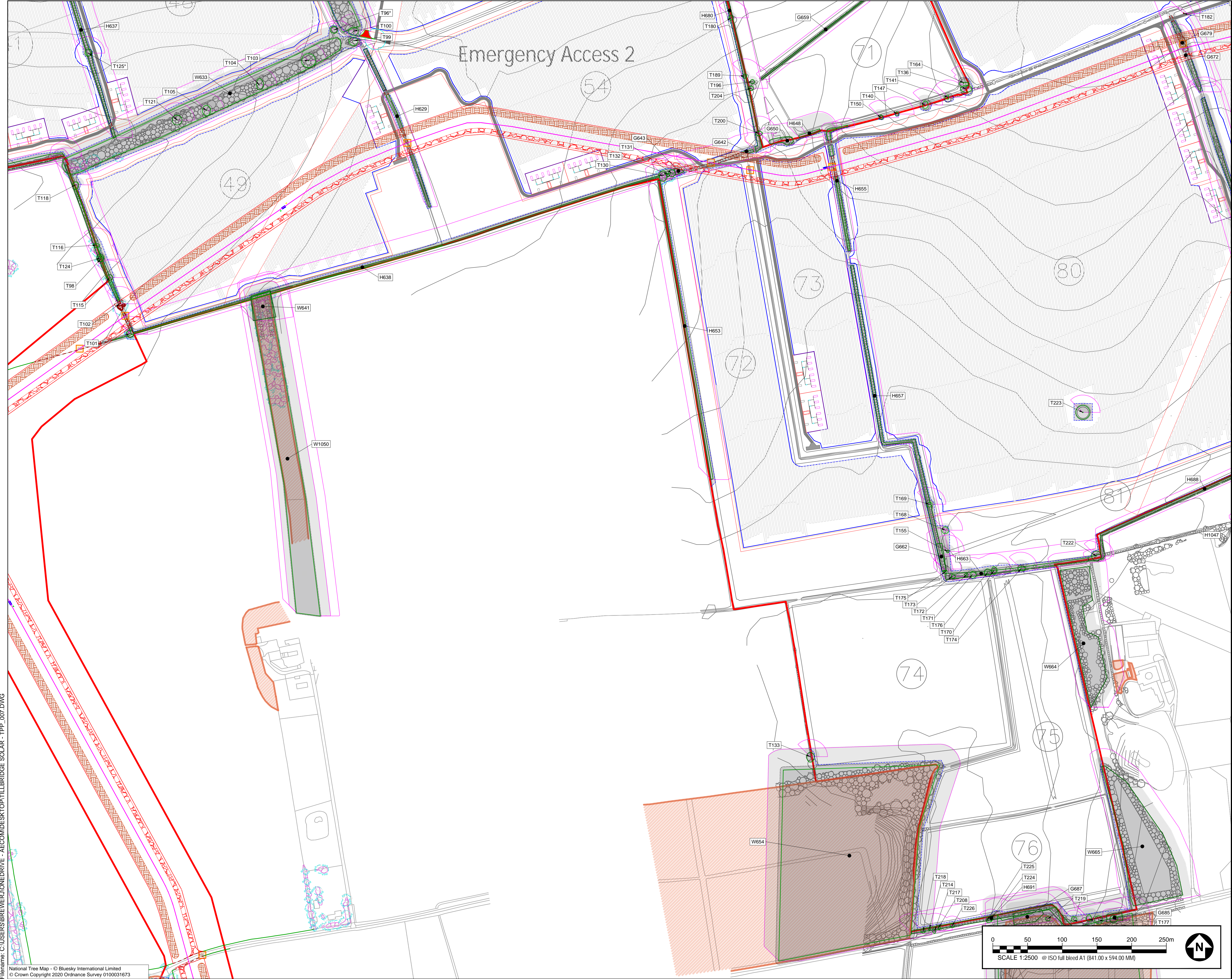
REV.
01

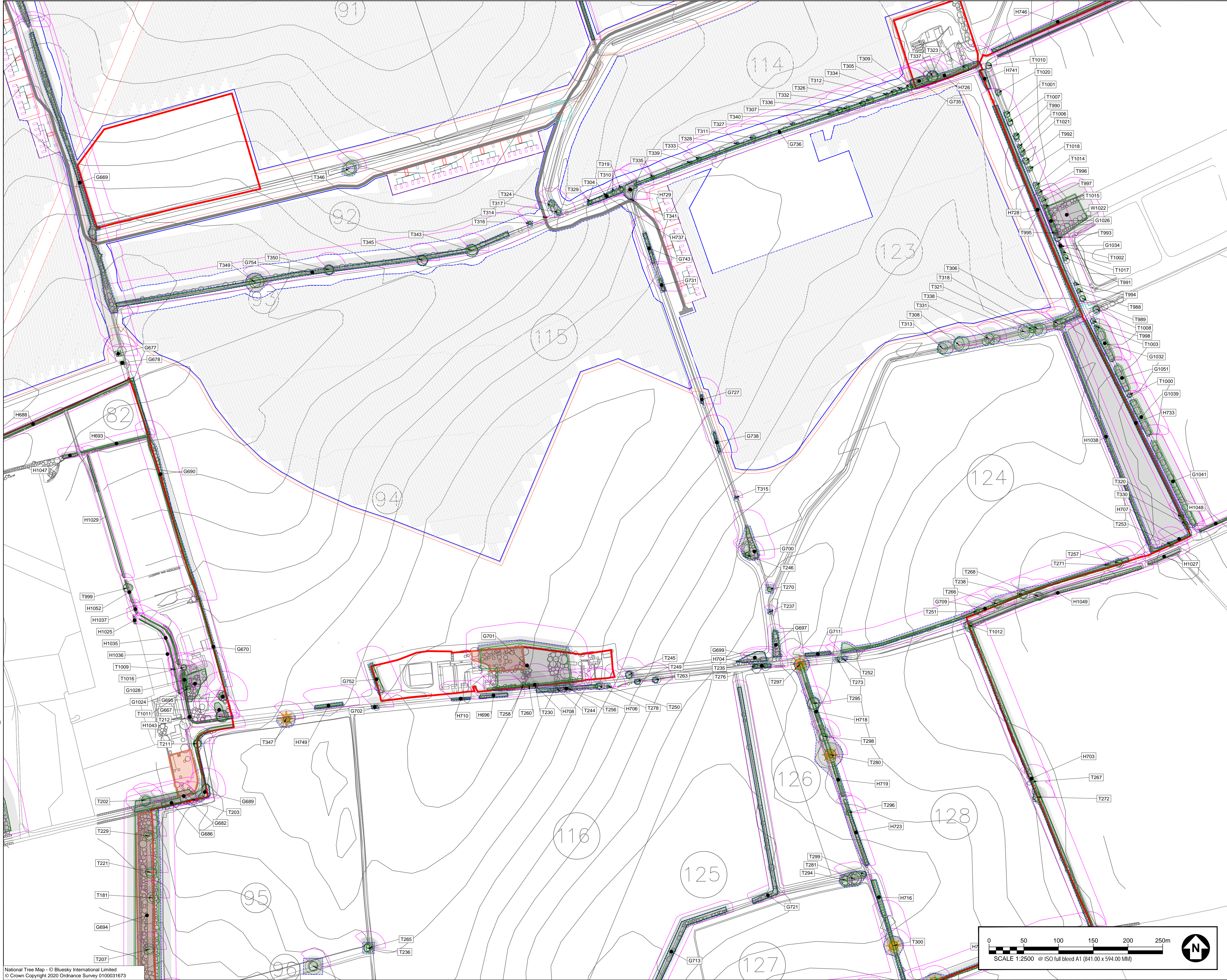


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| 1/R | DATE | DESCRIPTION |





PROJECT

Tillbridge Solar Project

CLIENT

Tillbridge Solar Limited

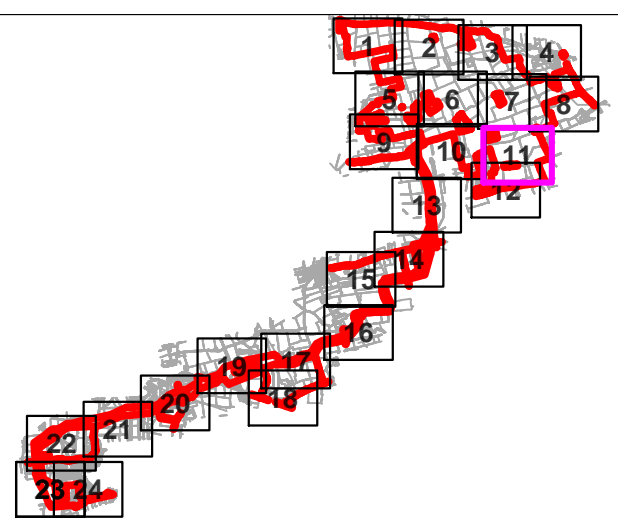
CONSULTANT

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www.aecom.com

GENERAL NOTES

1. TREE CATEGORIES AS DEFINED BY BS 5837:2012
2. TREE LOCATIONS ARE BASED ON THE TOPOGRAPHICAL SURVEY.
3. AERIAL IMAGERY AND GPS CO-ORDINATES FROM ON SITE WALKOVER.
4. PLANS SHOULD BE READ IN CONJUNCTION WITH THE AECOM ARBORICULTURAL REPORT.
5. THE ORIGINAL OF THIS DRAWING WAS PRODUCED IN COLOUR - A MONOCHROME COPY SHOULD NOT BE RELIED UPON.
6. DRAWING REFERENCES:
 - LPA Designations.dwg
 - CEV_Tillbridge Solar_20240216_DFL_VAR_AZ_V1_A_BEDD.dwg
 - Combined public road improvements - T50224.dwg
 - Important Hedgegrows_CAD.dwg
 - TillbridgeSolar_Crossing_2407013_P1.dwg
 - Cable_Corridor Layout_26.02.24_Bound_JB_Ed.dwg
 - TillbridgeSolar_Phase Hedgegrows_240223.dwg
 - Principal Site Accesses_Combined 26.03.24.dwg
 - 20240226_Cable Corridor HTM Data.dwg
 - Tillbridge_Corridor.dwg
 - Topo_Combined.dwg

KEY PLAN



KEY

- ORDER LIMITS
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- EXISTING TREE, GROUP, WOODLAND, OR HEDGE TO BE REMOVED
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- INDICATED POSITION OF TREE OF VETERAN OR ANCIENT STATUS
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- NATIONAL TREE MAP DATA (PROVIDED BY BLUECHIP TO WHOM INDICATIVE RPA BUFFER ADDED BY AECOM)
- NATIONAL TREE MAP DATA - TO BE REMOVED FOR INDICATIVE ALTERNATIVE CABLE ROUTE
- APPROXIMATE SHADING ARC (AS DEFINED BY BS 5837:2012)
- APPROXIMATE MAX HEIGHT SHADING ARC (BASED ON WIND-ASSISTED HEIGHT DATA)
- CONSTRUCTION WORKING ZONE (MANAGED CONSTRUCTION PROCESSES PERMITTED IN ACCORDANCE WITH THE PRINCIPLES SET OUT WITHIN THE WINDSCREENS (WORKER PROTECTION) ACT)
- PROPOSED DEVELOPMENT LAYOUT (BASED UPON DRAWING REFERENCES LISTED IN THE GENERAL NOTES SECTION)
- INDICATIVE ALTERNATIVE CABLE ROUTE (ALTERNATIVE ROUTE BASED ON WINDSCREEN CONSIDERATION OF VEGETATION LOSS)
- TREE PRESERVATION ORDER (AREA COVERED BY A TREE PRESERVATION ORDER (TPO))
- WOODPASTURE AND PARKLAND BAP (AREA CLASSIFIED AS WOODPASTURE AND PARKLAND BAP)
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ISSUE/REVISION

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| 01 | MAR 25 | UPDATED ORDER LIMITS AND UPDATED TPO DATA |
| 00 | MAR 24 | FOR DCO SUBMISSION |

DRAWING STATUS

FOR DCO SUBMISSION

PROJECT NUMBER

60682158

SHEET TITLE

TREE PROTECTION PLAN
(SHEET 11)

SHEET NUMBER

60682158-ACM-XX-XX-AB-TPP-011

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PROJECT

Tillbridge Solar Project

CLIENT

Tillbridge Solar Limited

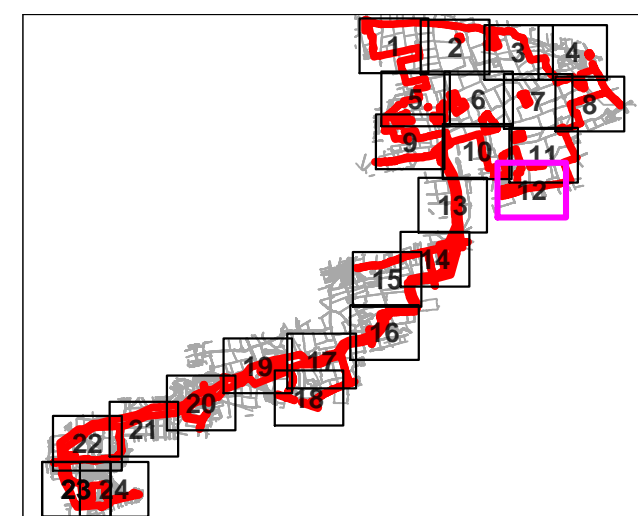
CONSULTANT

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Plymouth, PL6 5DH
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GENERAL NOTES

3. TREE CATEGORIES AS DEFINED BY BS 5837:2012
4. TREE LOCATIONS ARE BASED ON THE TOPOGRAPHICAL SURVEY, AERIAL IMAGERY, AND GPS CO-ORDINATES FROM ON SITE WALKOVER
5. PLANS SHOULD BE READ IN CONJUNCTION WITH THE AECOM ARBORICULTURAL REPORT.
6. THE ORIGINAL OF THIS DRAWING WAS PRODUCED IN COLOUR - A MONOCHROMATIC COPY SHOULD NOT BE RELIED UPON.
7. DRAWING REFERENCES:
 - LPA Designations dwg
 - GEV_Tilttable_Survey_20240216_DFA_VAR_AZ_V1_4_BEDDT.dwg
 - Combined public road improvements-TS242.dwg
 - ImperialHighways_CAD.dwg
 - TilttableCrossing_Crossing_240218_P1.dwg
 - Cable-Connector Layout 2023-24 Board_R01.dwg
 - TilttableSurvey_Phase/Highway_240217.dwg
 - Principal-Site Layout 2023-24 Board_R01.dwg
 - 20240226_Cable_Connector N1 Data.dwg
 - Tilttable_GSAPP.dwg
 - Drawn_Combined.dwg

KEY PLAN



KEY

- ORDER LIMITS**
-  EXISTING TREE, GROUP, WOODLAND, OR HEDGE TO BE RETAINED
-  EXISTING TREE, GROUP, WOODLAND, OR HEDGE TO BE REMOVED
- ROOT PROTECTION AREA OF RETAINED TREES**
(AS DEFINED BY BS 5827:2012)
-  **VETERAN ANCIENT TREE MARKER**
(INDICATES POSITION OF TREE OR VETERAN OR ANCIENT STATUS)
- TREE PROTECTION FENCING**
CONSTRUCTION EXCLUSION ZONE
(TRACING OF PLANT MATERIALS STORAGE, EXCAVATION AND ALL OTHER CONSTRUCTION ACTIVITIES ARE EXCLUDED WITHIN THESE AREAS FOR THE PURPOSES OF PROTECTING TREE HEALTH)
-  **NATIONAL TREE MAP DATA**
(PROVIDED BY BLSKY 1 TO 10 WITH NEGATIVE ALPHA BUFFER ADDED BY AECOM)
- NATIONAL TREE DATA - TO BE REMOVED FOR CONSTRUCTION EXCLUSION ZONE**
-  **APPROXIMATE SHADING ARC**
(AS DEFINED BY BS 5807:2012)
- APPROXIMATE MAX HEIGHT SHADING ARC**
(BASED ON INHIBIT MAXIMUM HEIGHT DATA)
- CONSTRUCTION WORKING ZONE**
MANAGEMENT OF CONSTRUCTION PROCESSES PERMITTED IN ACCORDANCE WITH THE PRINCIPLES SET OUT WITHIN THE ARCHITECTURAL IMPACT ASSESSMENT
- PROPOSED DEVELOPMENT LAYOUT**
(BASED UPON DRAWING REFERENCE TO THE GENERAL NOTES SECTION)
- INDICATIVE ALTERNATIVE TREE ACTION ROUTE**
(ALTERNATIVE ROUTE BASED ON CONSERVATION OF VEGETATION LOSS)
- TREE PRESERVATION ORDER**
AREA COVERED BY A TREE PRESERVATION ORDER (TPO)
- WOODPASTURE AND PARKLAND AREAS**
AREA CLASSIFIED AS WOODPASTURE AND PARKLAND AREAS
- ANCIENT AND SEMI-NATURAL WOODLAND**
AREA CLASSIFIED AS AN ANCIENT AND SEMI-NATURAL WOODLAND
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AREA CLASSIFIED AS A PRIORITY HABITAT (TRADITIONAL ORCHARD)
- PRIORITY HABITAT - DECIDUOUS WOODLAND**
AREA CLASSIFIED AS A PRIORITY HABITAT (DECIDUOUS WOODLAND)

ISSUE/REVISION

| | | |
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| | | |
| 01 | MAR 25 | UPDATED ORDER LIMITS AND UPDATED TPO DATA |
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DRAWING STATUS

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PROJECT NUMBER

60682158

SHEET TITLE

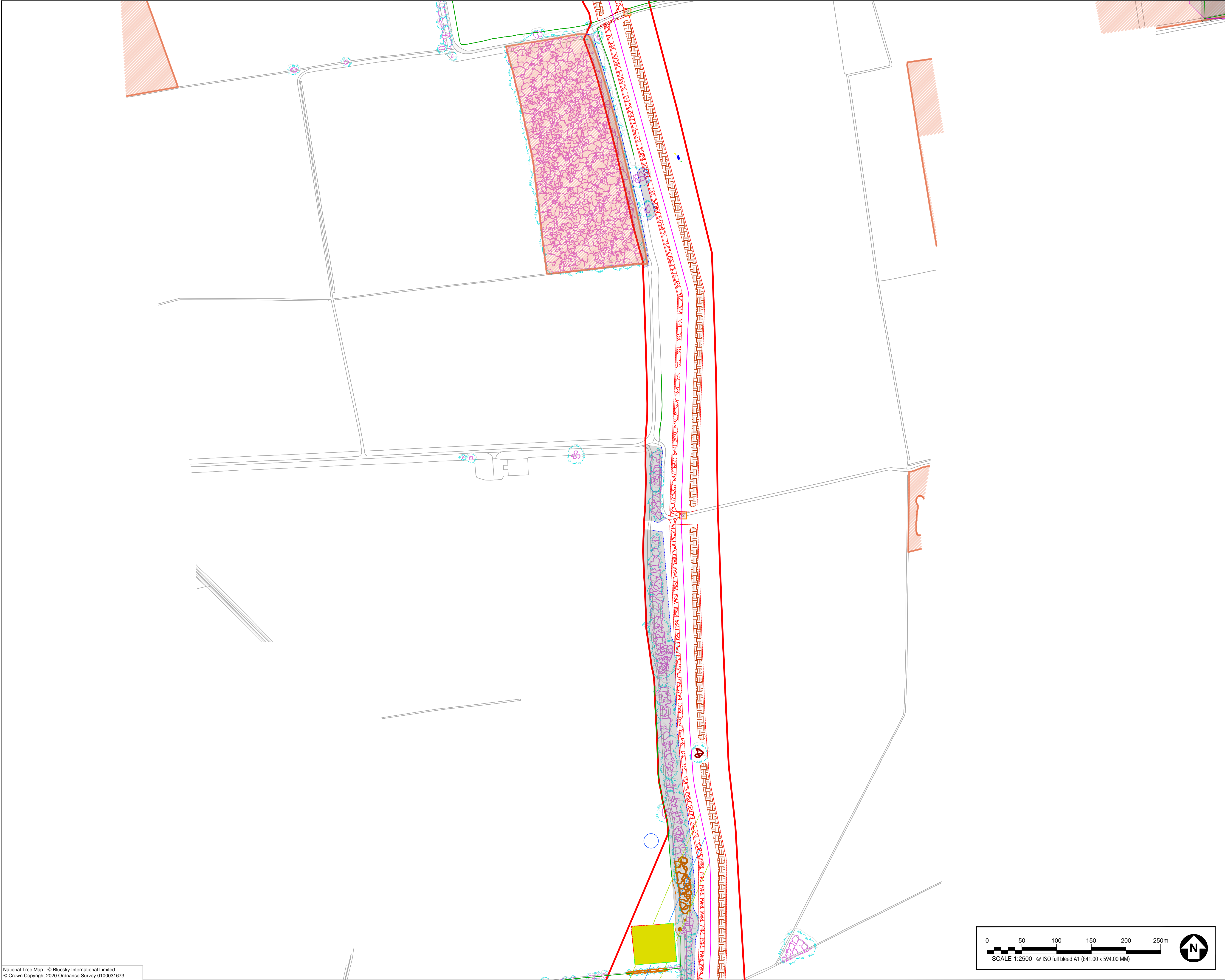
TREE PROTECTION PLAN
 (SHEET 12)

SHEET NUMBER

60682158-ACM-XX-XX-AB-TPP-012

REV.

01



AECOM

PROJECT

Tillbridge Solar Project

CLIENT

Tillbridge Solar Limited

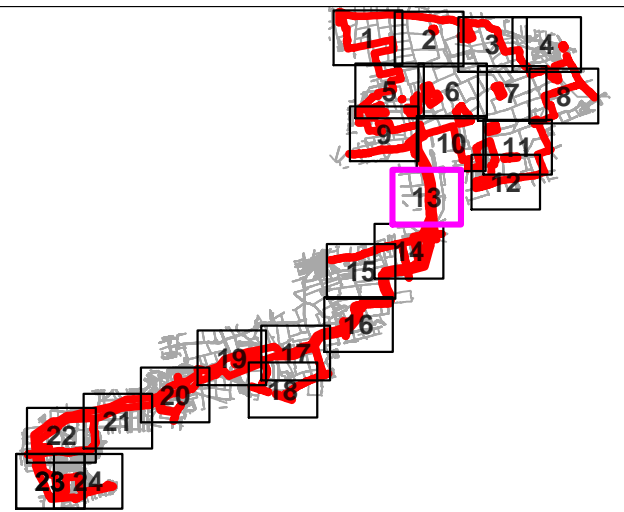
CONSULTANT

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- APPROXIMATE SHADING ARC (AS DEFINED BY BS 5837:2012)
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60682158

SHEET TITLE

TREE PROTECTION PLAN
(SHEET 13)

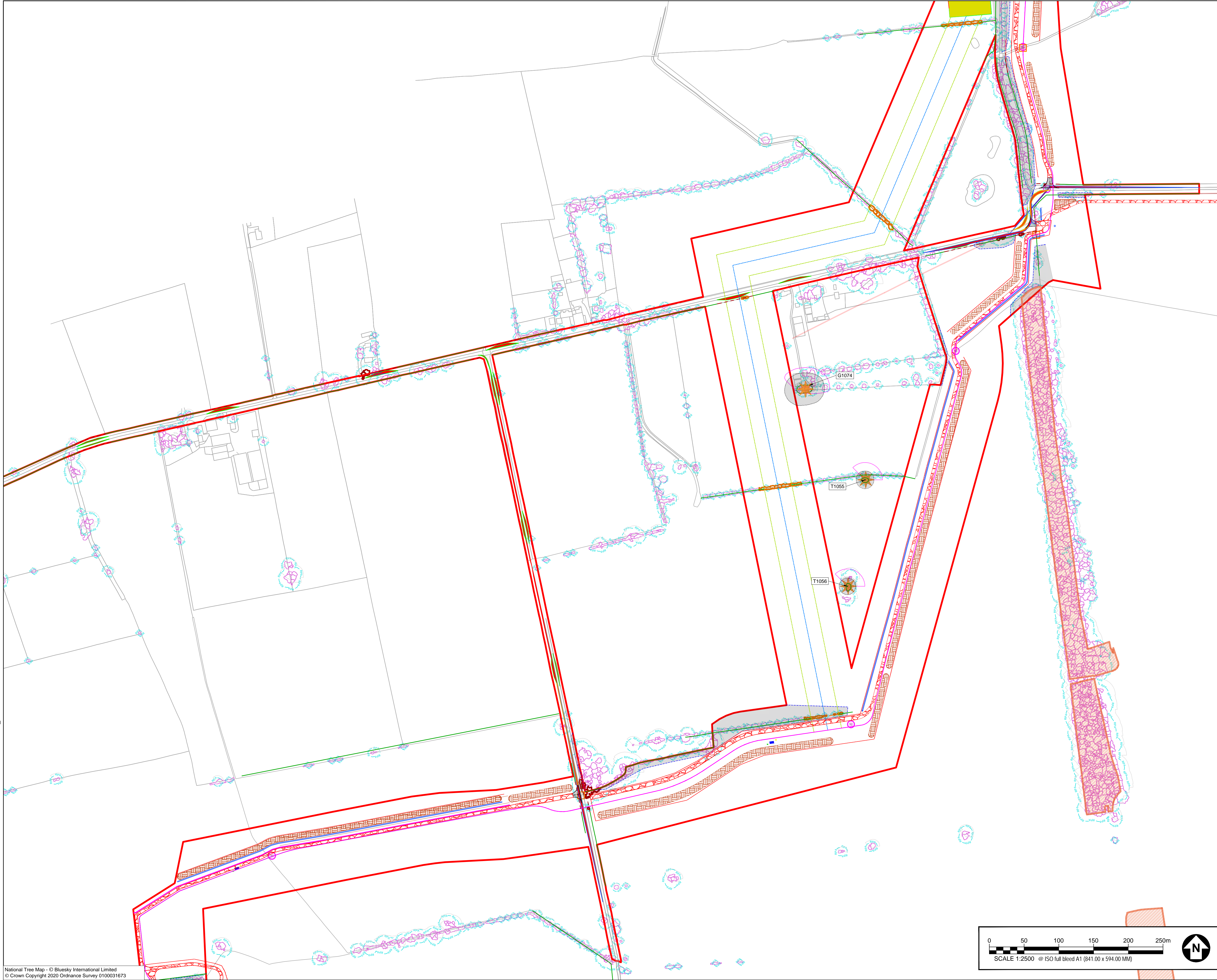
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AECOM

PROJECT

Tillbridge Solar Project

CLIENT

Tillbridge Solar Limited

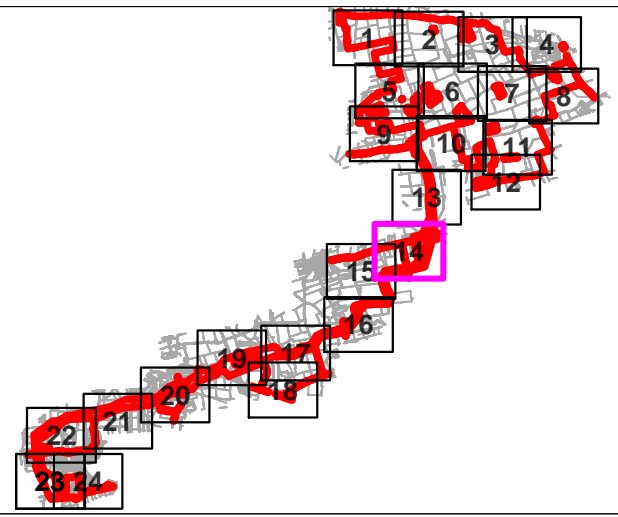
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Tel +44(0)1752 676700
Fax +44(0)870 238 6023
www.aecom.com

GENERAL NOTES

1. TREE CATEGORIES AS DEFINED BY BS 5837:2012
2. TREE LOCATIONS ARE BASED ON THE TOPOGRAPHICAL SURVEY. AERIAL IMAGERY AND GPS CO-ORDINATES FROM ON SITE WALKOVER.
3. PLANS SHOULD BE READ IN CONJUNCTION WITH THE AECOM ARBORICULTURAL REPORT.
4. THE ORIGINAL OF THIS DRAWING WAS PRODUCED IN COLOUR - A MONOCHROME COPY SHOULD NOT BE RELIED UPON.
5. DRAWING REFERENCES:
LPA Designations.dwg
CEV_Tillbridge Solar_20240216_DfA_VAR_AZ_V1_A_BEDT.dwg
Combined public road improvements-150224.dwg
ImportantHedges.dwg_CAD.dwg
TillbridgeSolar_Crossing_240719_P1.dwg
Cable-Corridor Layout-26.02.24_Bound_JB Edt.dwg
TillbridgeSolar_PhaseHedgeLine_240225.dwg
Principal Site Accesses_Combined 26.03.24.dwg
20240226_Cable Corridor NTM Data.dwg
Tillbridge_Corridor.dwg
Topo_Combined.dwg

KEY PLAN



KEY

- ORDER LIMITS**
 - EXISTING TREE, GROUP, WOODLAND, OR HEDGE TO BE RETAINED
 - EXISTING TREE, GROUP, WOODLAND, OR HEDGE TO BE REMOVED
 - ROOT PROTECTION AREA OF RETAINED TREES (AS DEFINED BY BS 5837:2012)
 - VETERAN (ANCIENT TREE MARKER)
- TREE PROTECTION FENCING**
 - CONSTRUCTION EXCLUSION ZONE (WORKING OF PLANT, MATERIALS STORAGE, EXCAVATION AND ALL OTHER CONSTRUCTION ACTIVITIES ARE EXCLUDED WITHIN THESE AREAS FOR THE PURPOSES OF PROTECTING TREE HEALTH)
 - NATIONAL TREE MAP DATA (PROVIDED BY BLUESKY LTD WITH AN INDICATIVE 80M BUFFER ADDED BY AECOM)
 - NATIONAL TREE MAP DATA - TO BE REMOVED FOR INDICATIVE ALTERNATIVE CABLE ROUTE
 - APPROXIMATE SHADING ARC (AS DEFINED BY BS 5837:2012)
 - APPROXIMATE MAX HEIGHT SHADING ARC (BASED ON WINDMILL HEIGHT DATA)
 - CONSTRUCTION WORKING ZONE (MANAGED CONSTRUCTION PROCESSES PERMITTED IN ACCORDANCE WITH THE PRINCIPLES SET OUT WITHIN THE ARBORICULTURAL REPORT (ASSESSMENT))
 - PROPOSED DEVELOPMENT LAYOUT (BASED UPON DRAWING REFERENCES LISTED IN THE GENERAL NOTES SECTION)
 - INDICATIVE ALTERNATIVE CABLE ROUTE (ALTERNATIVE ROUTE BASED ON A WIDE CORRIDOR OF VEGETATION LOSS)
 - TREE PRESERVATION ORDER**
 - AREA COVERED BY A TREE PRESERVATION ORDER (TPO)
 - WOODPASTURE AND PARKLAND BAP (AREA CLASSIFIED AS WOODPASTURE AND PARKLAND BAP)
 - ANCIENT AND SEMI-NATURAL WOODLAND (AREA CLASSIFIED AS AN ANCIENT AND SEMI-NATURAL WOODLAND)
 - ANCIENT REPLANTED WOODLAND (AREA CLASSIFIED AS AN ANCIENT REPLANTED WOODLAND)
 - PRIORITY HABITAT - TRADITIONAL ORCHARD (CLASSIFIED AS A PRIORITY HABITAT - TRADITIONAL ORCHARD)
 - PRIORITY HABITAT - DECIDUOUS WOODLAND (CLASSIFIED AS A PRIORITY HABITAT - DECIDUOUS WOODLAND)

ISSUE/REVISION

| VR | DATE | DESCRIPTION |
|----|--------|---|
| 01 | MAR 25 | UPDATED ORDER LIMITS AND UPDATED TPO DATA |
| 00 | MAR 24 | FOR DCO SUBMISSION |

DRAWING STATUS

FOR DCO SUBMISSION

PROJECT NUMBER

60682158

SHEET TITLE

TREE PROTECTION PLAN
(SHEET 14)

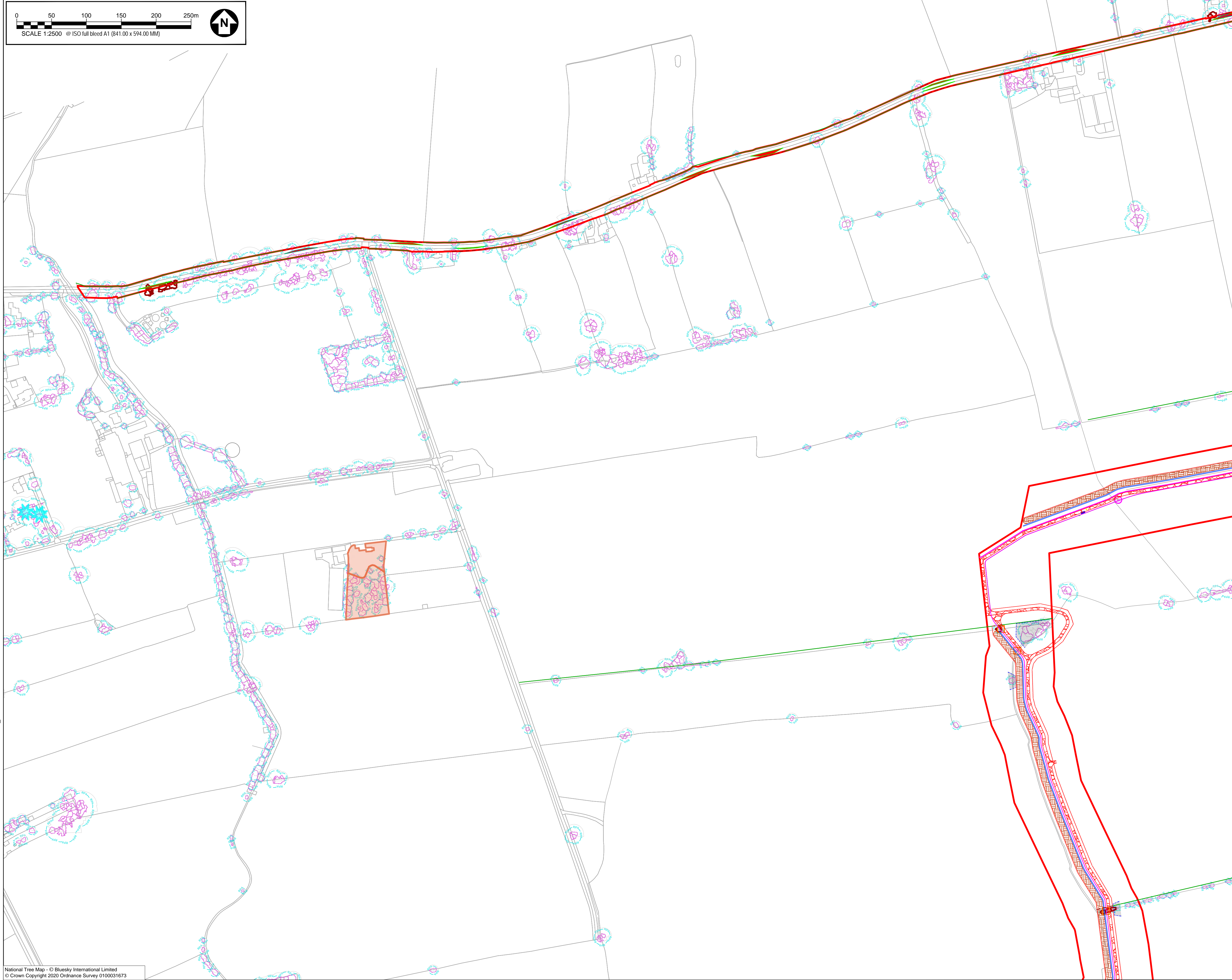
SHEET NUMBER

60682158-ACM-XX-XX-AB-TPP-014

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PROJECT

Tillbridge Solar Project

CLIENT

Tillbridge Solar Limited

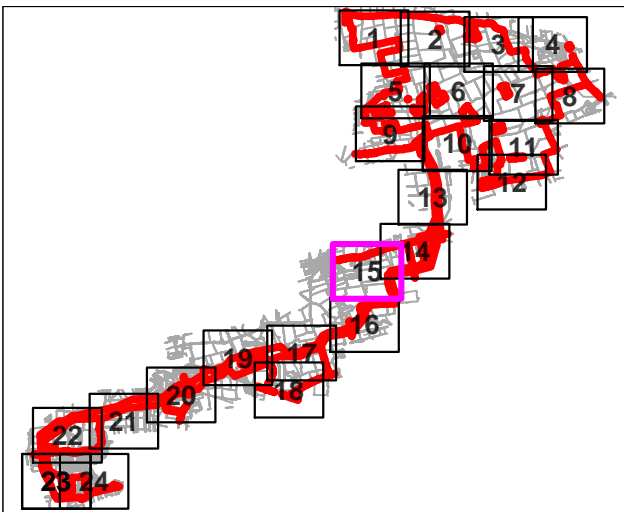
CONSULTANT

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LPA Designations.dwg
CEV_Tillbridge Solar_20240216_DFL_VAR_AZ_V1_4_BEDT.dwg
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TillbridgeSolar_Crossing_240719_P1.dwg
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Top_Combined.dwg

KEY PLAN



KEY

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- ROOT PROTECTION AREA OF RETAINED TREES (AS ADVISED BY BS 5837:2012)
- VETERAN (ANCIENT TREE MARKER)
- TREE PROTECTION FENCING
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ISSUE/REVISION

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|-----|--------|---|
| 01 | MAR 25 | UPDATED ORDER LIMITS AND UPDATED TPO DATA |
| 00 | MAR 24 | FOR DCO SUBMISSION |
| 1/R | DATE | DESCRIPTION |

DRAWING STATUS

FOR DCO SUBMISSION

PROJECT NUMBER

60682158

SHEET TITLE

TREE PROTECTION PLAN
(SHEET 15)

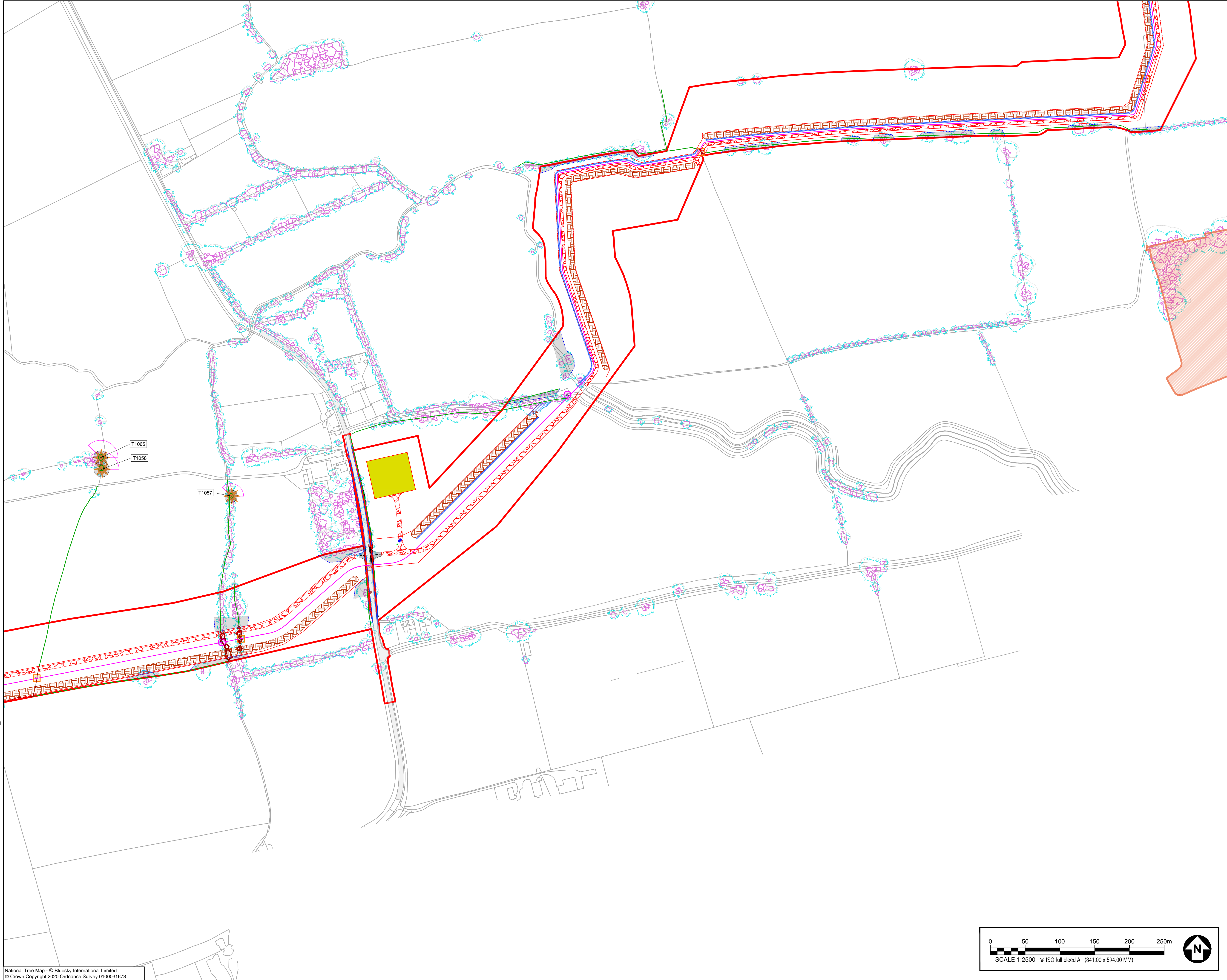
SHEET NUMBER

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PROJECT

Tillbridge Solar Project

CLIENT

Tillbridge Solar Limited

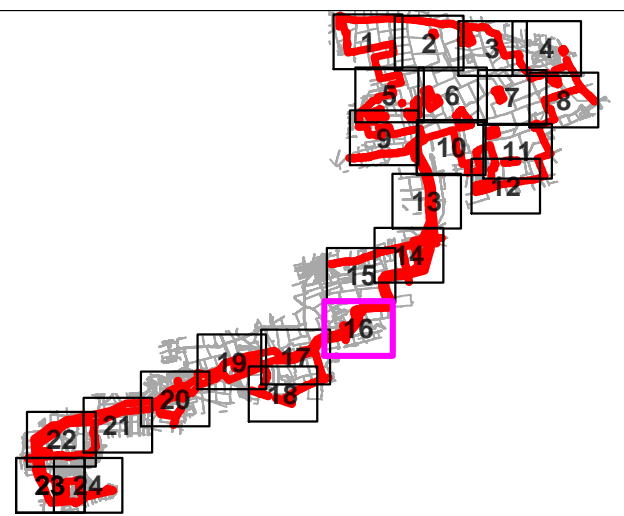
CONSULTANT

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5. DRAWING REFERENCES:
LPA Designations.dwg
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Combined public road improvements-150224.dwg
ImportantHedges.dwg
TillbridgeSolar_Crossing_240713_P1.dwg
Cable_Corridor Layout_28.02.24_Bound_JB E&H.dwg
TillbridgeSolar_PhaseHedgeLine_240223.dwg
Principal Site Accesses_Combined 26.03.24.dwg
20240226_Cable Corridor NTM Data.dwg
Tillbridge_COAR.dwg
Topo_Combined.dwg

KEY PLAN



KEY

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- EXISTING TREE, GROUP, WOODLAND, OR HEDGE TO BE RETAINED
- EXISTING TREE, GROUP, WOODLAND, OR HEDGE TO BE REMOVED
- ROOT PROTECTION AREA OF RETAINED TREES (AS DEFINED BY BS 5837:2012)
- VETERAN (ANCIENT TREE MARKER)
- INDICATED POSITION OF TREE OF VETERAN OR ANCIENT STATUS
- TREE PROTECTION FENCING
- CONSTRUCTION EXCLUSION ZONE (TRACKING OF PLANT MATERIALS STORAGE, EXCAVATION AND ALL OTHER CONSTRUCTION ACTIVITIES ARE EXCLUDED WITHIN THESE AREAS FOR THE PURPOSES OF PROTECTING TREE HEALTH)
- NATIONAL TREE MAP DATA (PROVIDED BY BLUE SKY LTD WITH AN INDICATIVE 80% BUFFER ADDED BY AECOM)
- NATIONAL TREE MAP DATA - TO BE REMOVED FOR INDICATIVE ALTERNATIVE CABLE ROUTE
- APPROXIMATE SHADING ARC (AS DEFINED BY BS 5837:2012)
- APPROXIMATE MAX HEIGHT SHADING ARC (BASED ON HEDGECAMPS HEIGHT DATA)
- CONSTRUCTION WORKING ZONE (MANAGED CONSTRUCTION PROCESSES PERMITTED IN ACCORDANCE WITH THE PRINCIPLES SET OUT WITHIN THE HEDGECAMPS (2017) ASSASSINMENT)
- PROPOSED DEVELOPMENT LAYOUT (BASED UPON DRAWING REFERENCES LISTED IN THE GENERAL NOTES SECTION)
- INDICATIVE ALTERNATIVE CABLE ROUTE (ALTERNATIVE ROUTE BASED ON ADEQUATE CONSIDERATION OF VEGETATION LOSS)
- TREE PRESERVATION ORDER (AREA COVERED BY A TREE PRESERVATION ORDER (TPO))
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ISSUE/REVISION

| VR | DATE | DESCRIPTION |
|----|--------|---|
| 01 | MAR 25 | UPDATED ORDER LIMITS AND UPDATED TPO DATA |
| 00 | MAR 24 | FOR DCO SUBMISSION |
| VR | DATE | DESCRIPTION |

DRAWING STATUS

FOR DCO SUBMISSION

PROJECT NUMBER

60682158

SHEET TITLE

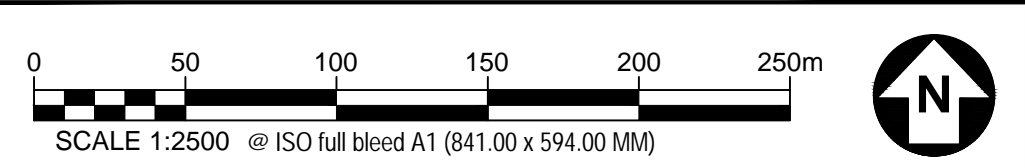
TREE PROTECTION PLAN
(SHEET 16)

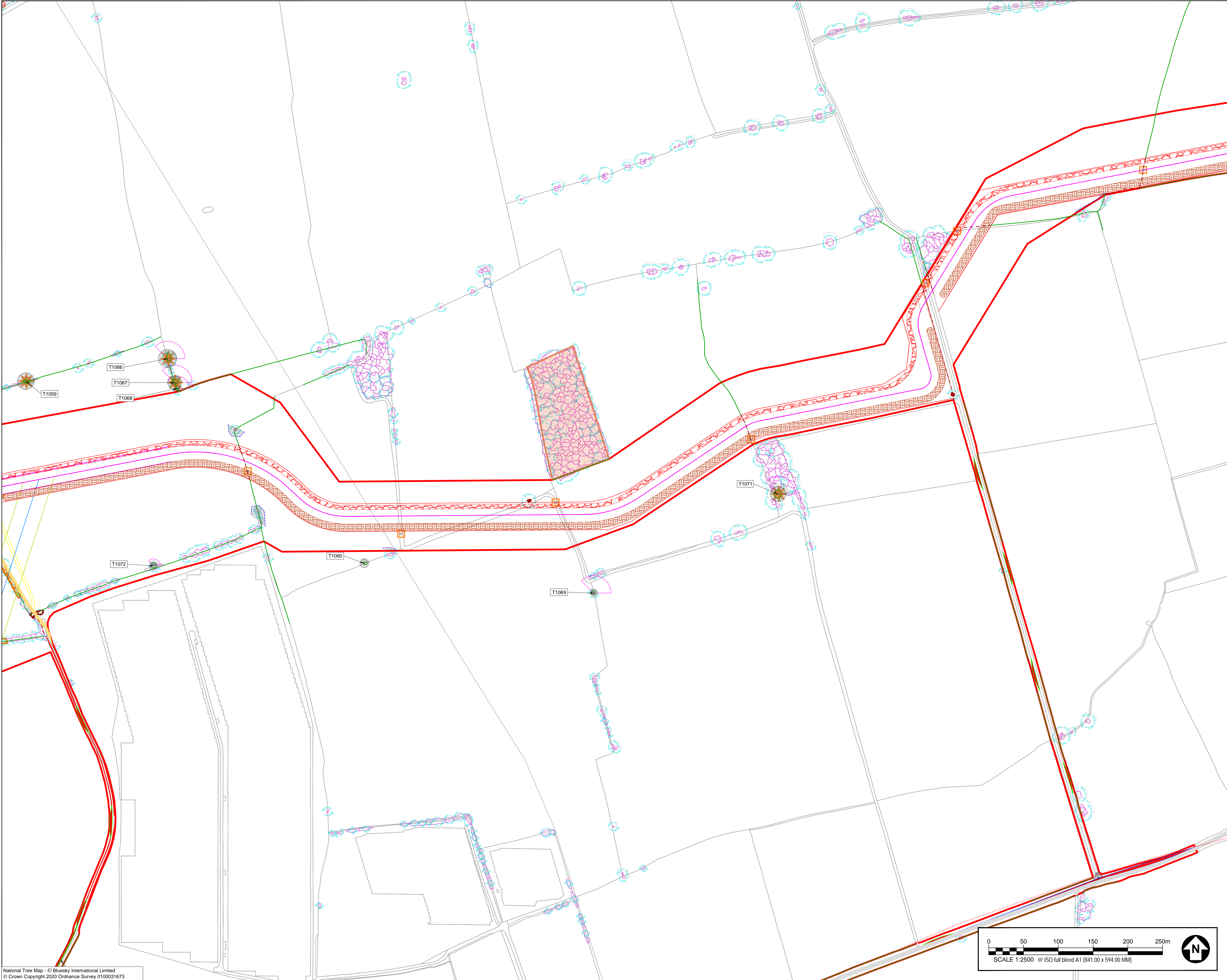
SHEET NUMBER

60682158-ACM-XX-XX-AB-TPP-016

REV.

01





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PROJECT

Tillbridge Solar Project

CLIENT

Tillbridge Solar Limited

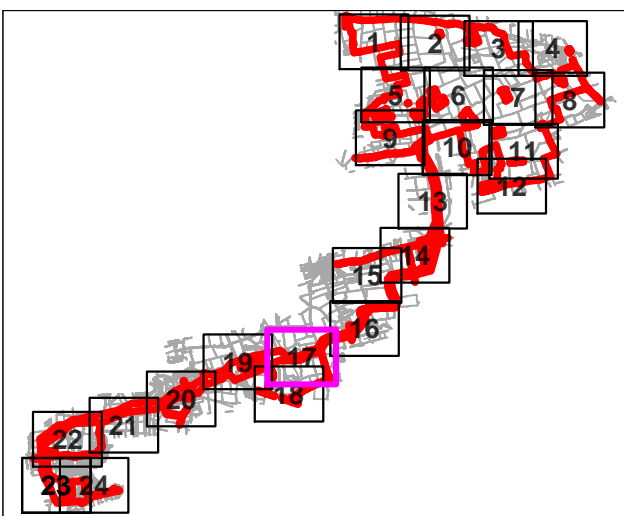
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LPA Designations.dwg
CEV_Tillbridge Solar_20240216_DfA_VAR_AZ_V1_A_BEDT.dwg
Combined public road improvements-150224.dwg
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Cable-Corridor Layout-26.02.24_Bound_JB_Ed.dwg
TillbridgeSolar_PhaseHedgerows_240223.dwg
Principal Site Accesses_Combined 26.03.24.dwg
20240206_Cable Corridor NTH Data.dwg
Tillbridge_COAR.dwg
Topo_Combined.dwg

KEY PLAN



KEY

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- EXISTING TREE, GROUP, WOODLAND, OR HEDGE TO BE REMOVED
- ROOT PROTECTION AREA OF RETAINED TREES (AS DERIVED BY BS 5837:2012)
- VETERAN (ANCIENT TREE MARKER INDICATED POSITION OF TREE OF VETERAN OR ANCIENT STATUS)
- TREE PROTECTION FENCING
- CONSTRUCTION EXCLUSION ZONE (WORKING OF PLANT, MATERIALS STORAGE, EXCAVATION AND ALL OTHER CONSTRUCTION ACTIVITIES ARE EXCLUDED WITHIN THESE AREAS FOR THE PURPOSES OF PROTECTING TREE HEALTH)
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- CONSTRUCTION WORKING ZONE (MANAGED CONSTRUCTION PROCESSES PERMITTED IN ACCORDANCE WITH THE PRINCIPLES SET OUT WITHIN THE ENVIRONMENTAL STATEMENT)
- PROPOSED DEVELOPMENT LAYOUT (BASED UPON DRAWING REFERENCES LISTED IN THE GENERAL NOTES SECTION)
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ISSUE/REVISION

| NO | DATE | DESCRIPTION |
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| 01 | MAR 25 | UPDATED ORDER LIMITS AND UPDATED TPO DATA |
| 00 | MAR 24 | FOR DCO SUBMISSION |
| 1/R | DATE | DESCRIPTION |

DRAWING STATUS

FOR DCO SUBMISSION

PROJECT NUMBER

60682158

SHEET TITLE

TREE PROTECTION PLAN
(SHEET 17)

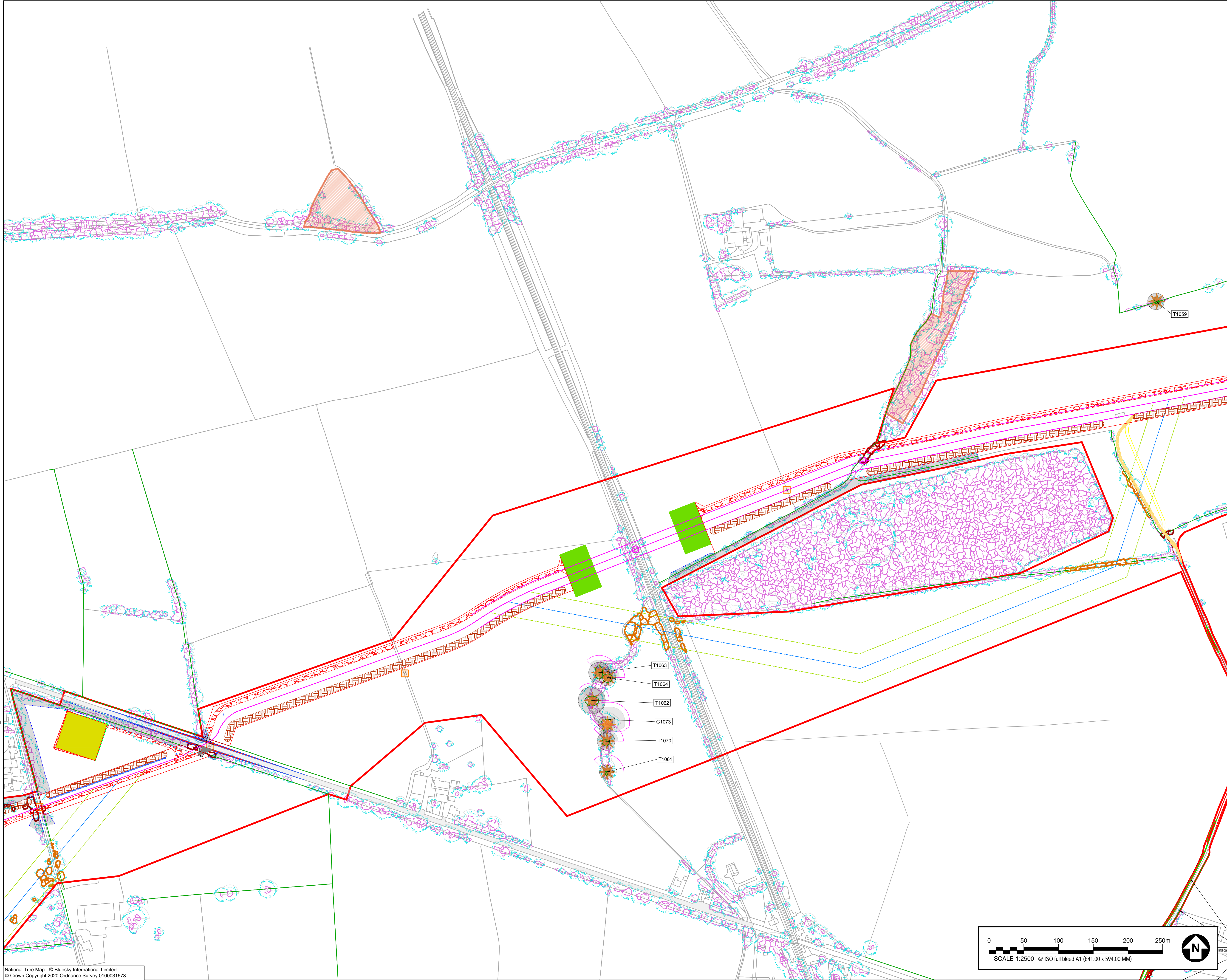
SHEET NUMBER

60682158-ACM-XX-XX-AB-TPP-017

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PROJECT

Tillbridge Solar Project

CLIENT

Tillbridge Solar Limited

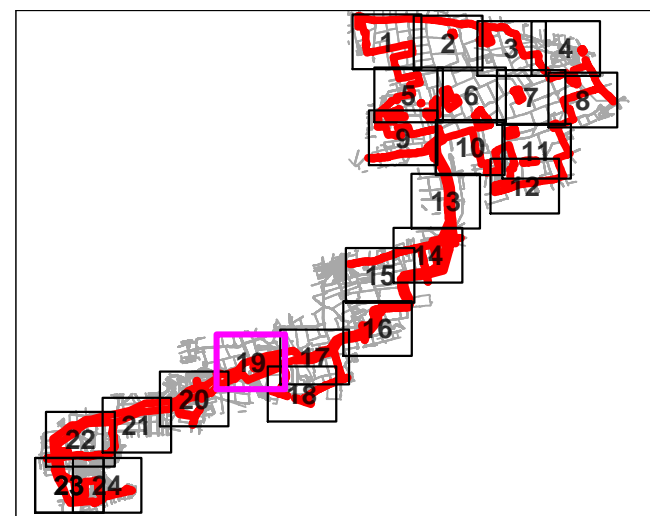
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KEY PLAN



KEY

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| 01 | MAR 25 | UPDATED ORDER LIMITS AND UPDATED TPO DATA |
| 00 | MAR 24 | FOR DCO SUBMISSION |

DRAWING STATUS

FOR DCO SUBMISSION

PROJECT NUMBER

60682158

SHEET TITLE

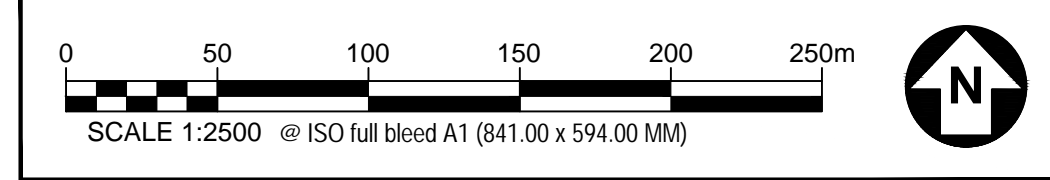
TREE PROTECTION PLAN
(SHEET 19)

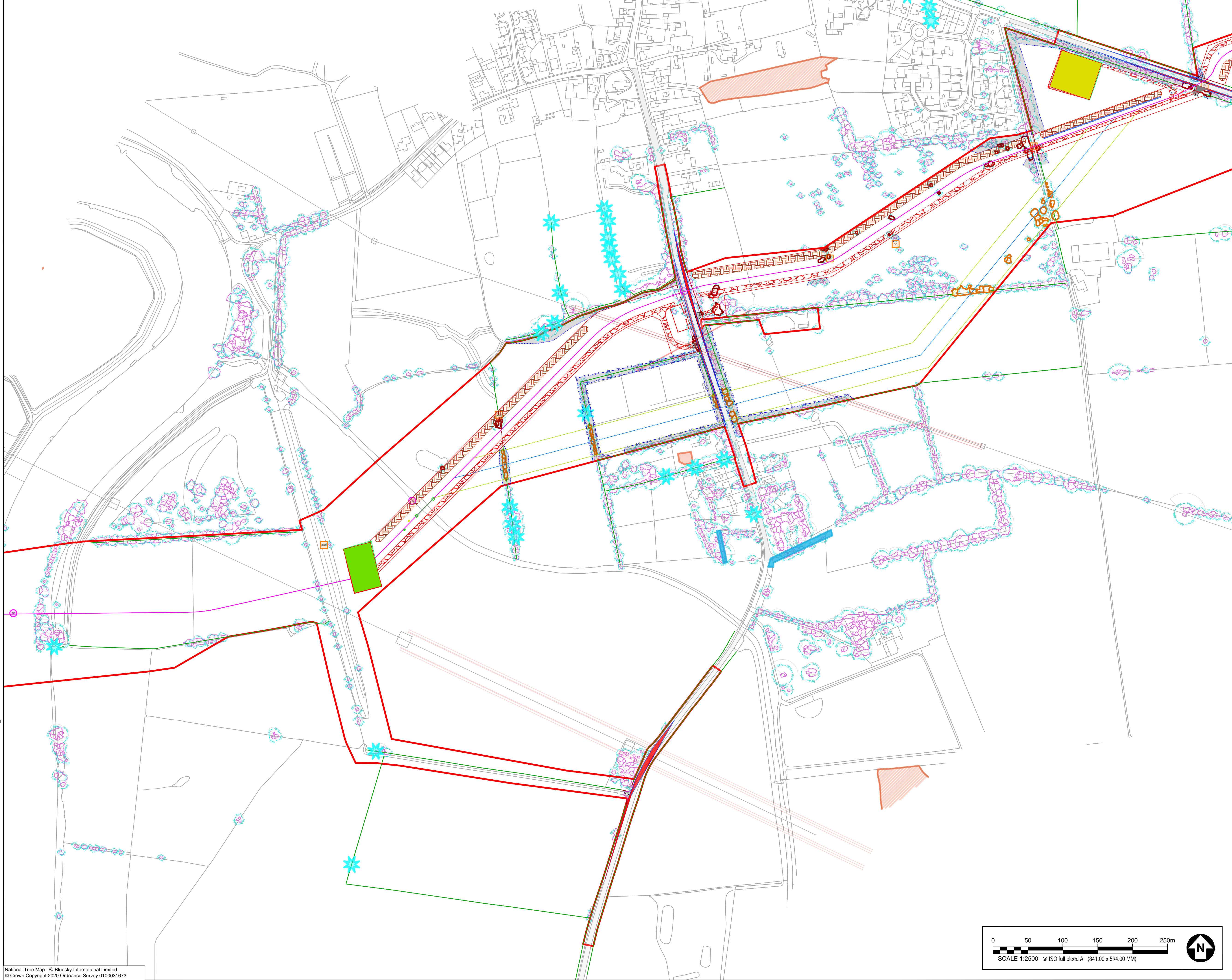
SHEET NUMBER

60682158-ACM-XX-XX-AB-TPP-019

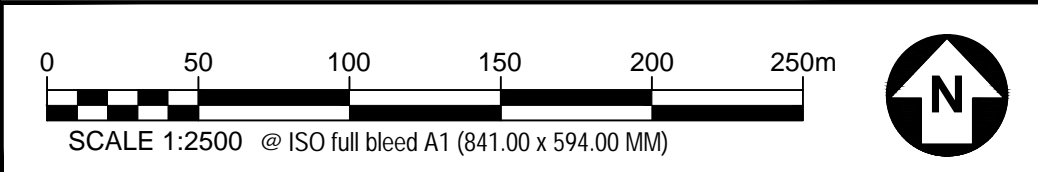
REV.

01





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PROJECT

Tillbridge Solar Project

CLIENT

Tillbridge Solar Limited

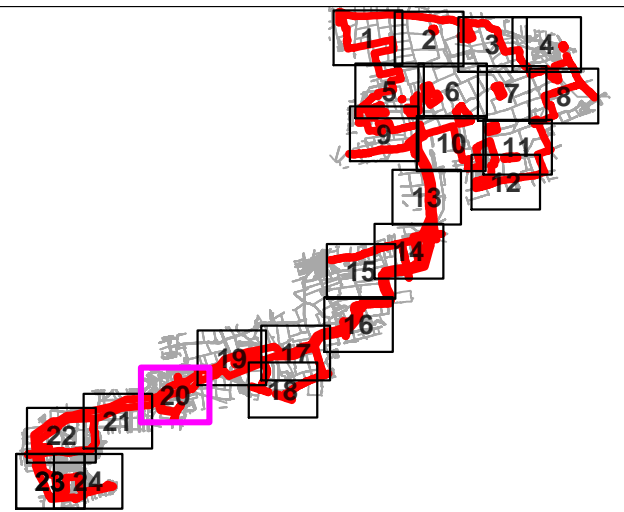
CONSULTANT

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| 01 | MAR 25 | UPDATED ORDER LIMITS AND UPDATED TPO DATA |
| 00 | MAR 24 | FOR DCO SUBMISSION |

DRAWING STATUS

FOR DCO SUBMISSION

PROJECT NUMBER

60682158

SHEET TITLE

TREE PROTECTION PLAN
(SHEET 20)

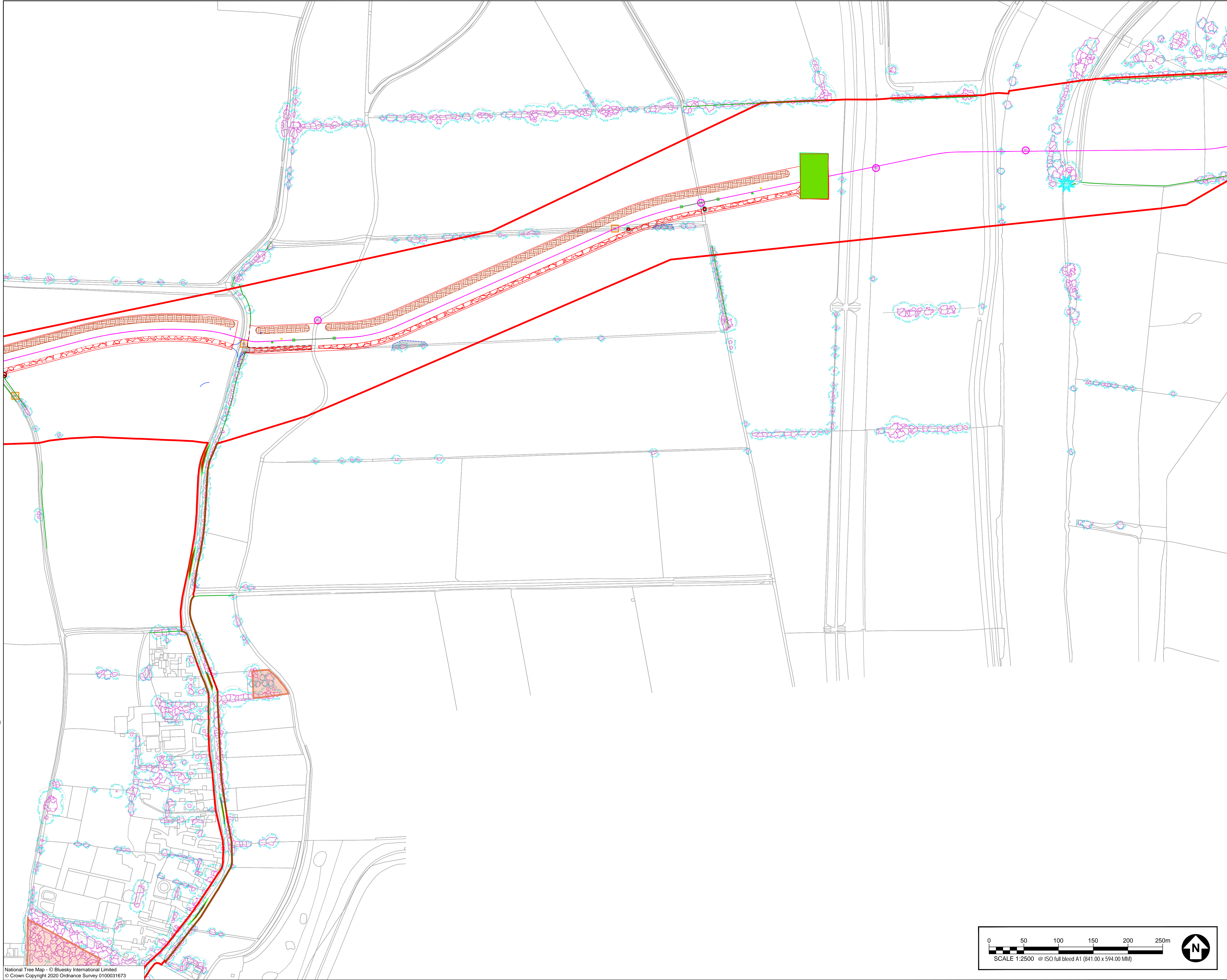
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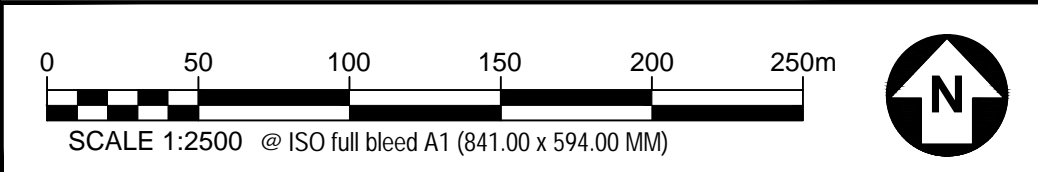
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PROJECT

Tillbridge Solar Project

CLIENT

Tillbridge Solar Limited

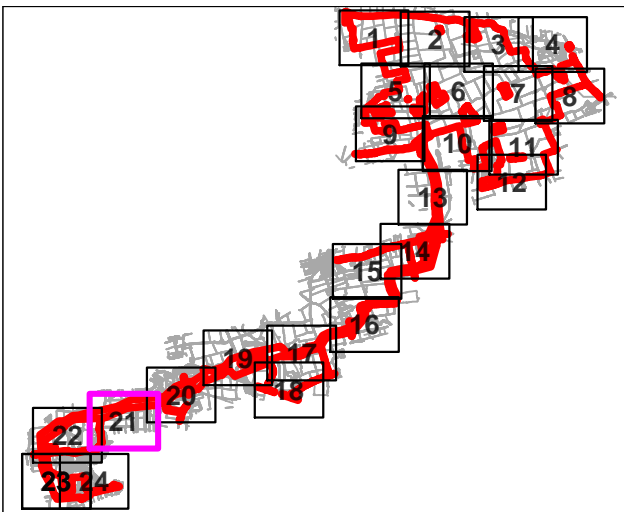
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GENERAL NOTES

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3. PLANS SHOULD BE READ IN CONJUNCTION WITH THE AECOM ARBORICULTURAL REPORT.
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5. DRAWING REFERENCES:
 - LPA Designations.dwg
 - CEV_Tillbridge Solar_20240216_DfL_VAR_A2_V1_L_BEDDT.dwg
 - Combined public road improvements-150224.dwg
 - ImportantHedgegrows_CAD.dwg
 - TillbridgeSolar_Crossing_240719_P1.dwg
 - Cable-Corridor Layout-26.02.24_Bound_JB Edt.dwg
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 - Principal Site Access-Combined 26.03.24.dwg
 - 20240226_Cable Corridor NTH Data.dwg
 - Tillbridge_C20040.dwg
 - Topo_Combined.dwg

KEY PLAN



KEY

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| 00 | MAR 24 | FOR DCO SUBMISSION |

DRAWING STATUS

FOR DCO SUBMISSION

PROJECT NUMBER

60682158

SHEET TITLE

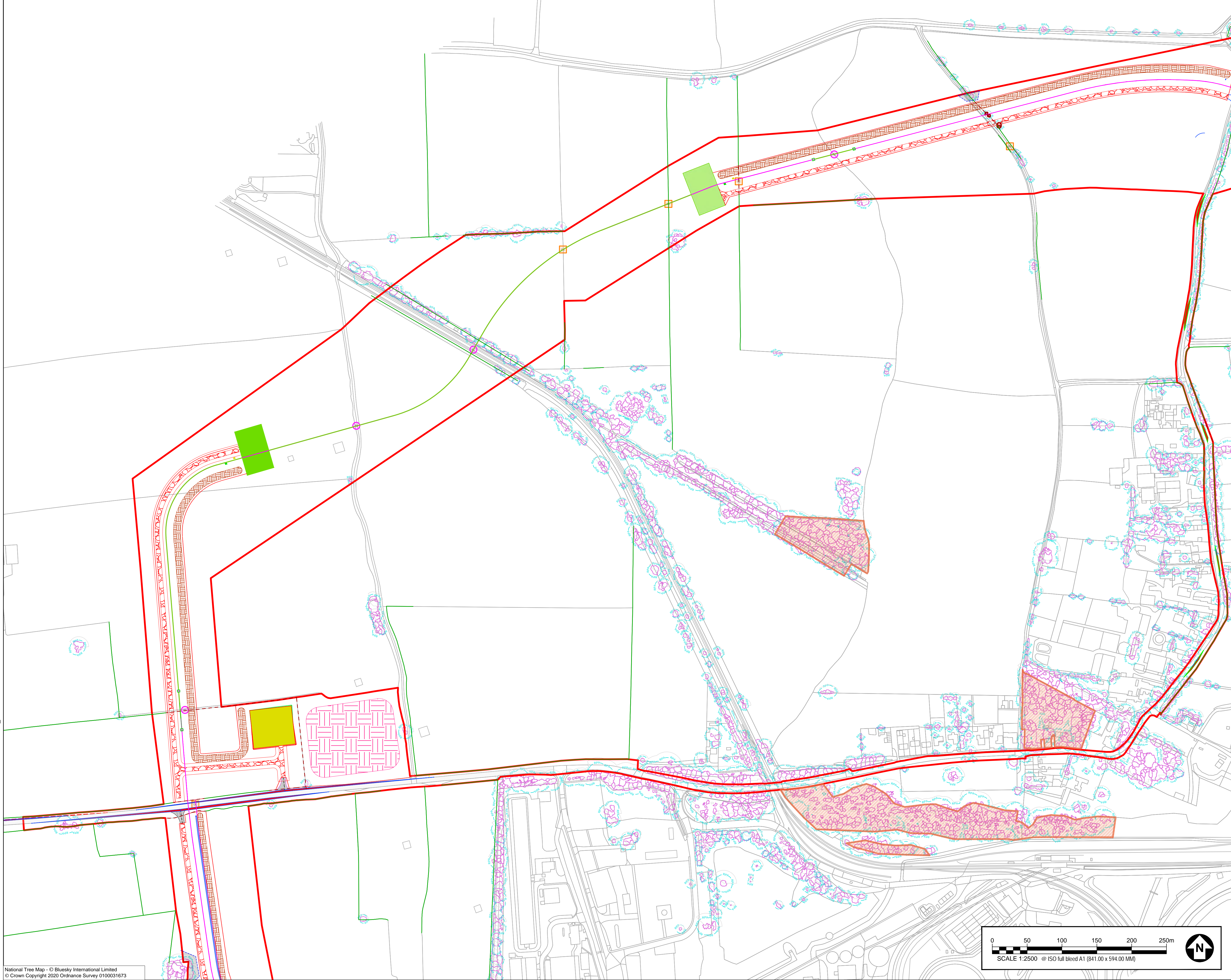
TREE PROTECTION PLAN
(SHEET 21)

SHEET NUMBER

60682158-ACM-XX-XX-AB-TPP-021

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PROJECT

Tillbridge Solar Project

CLIENT

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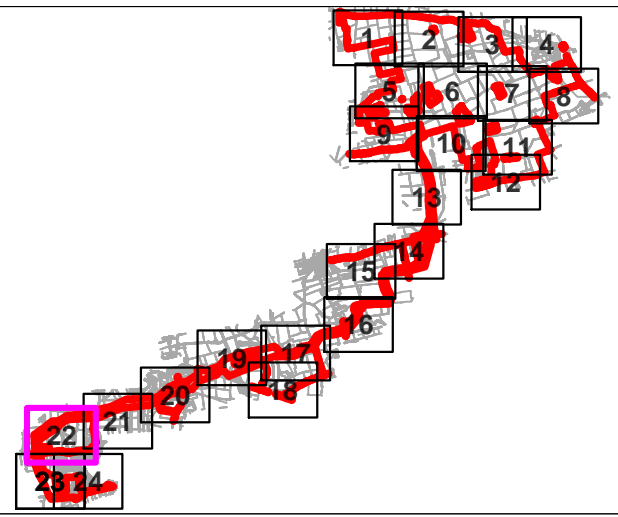
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5. DRAWING REFERENCES:
LPA Designations.dwg
CEV_Tillbridge Solar_20240216_DfA_VAR_A2_V1_A_BEDT.dwg
Combined public road improvements_150224.dwg
ImportantHedges.dwg_CAD.dwg
TillbridgeSolar_Crossing_240719_P1.dwg
Cable_Corridor Layout_26.02.24_Bound_JB Edt.dwg
TillbridgeSolar_PhaseHedgeLine_240223.dwg
Principal Site Accesses_Combined 26.03.24.dwg
20240226_Cable Corridor NTM Data.dwg
Tillbridge_COAR.dwg
Topo_Combined.dwg

KEY PLAN



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DRAWING STATUS

FOR DCO SUBMISSION

PROJECT NUMBER

60682158

SHEET TITLE

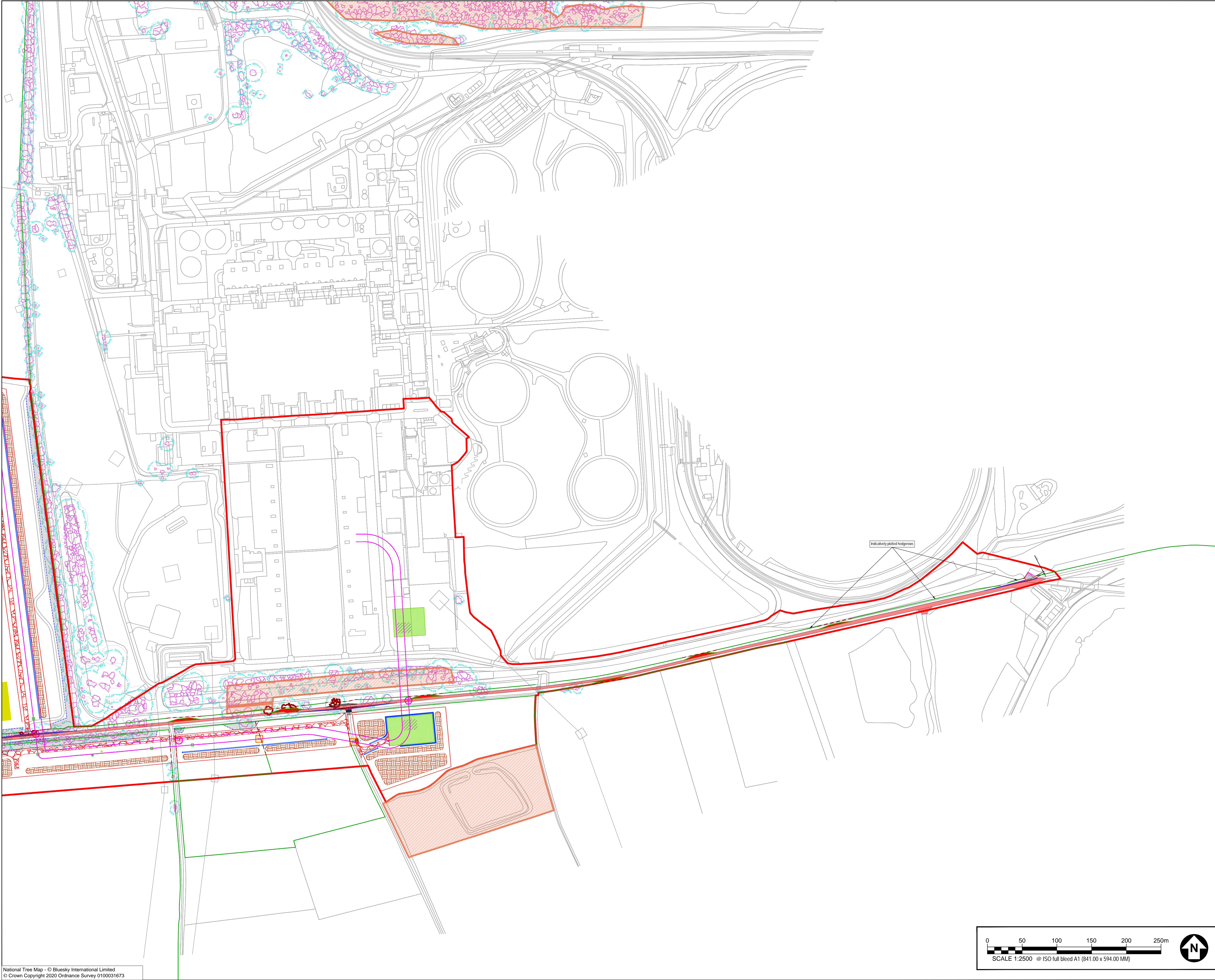
TREE PROTECTION PLAN
(SHEET 22)

SHEET NUMBER

60682158-ACM-XX-XX-AB-TPP-022

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PROJECT

Tillbridge Solar Project

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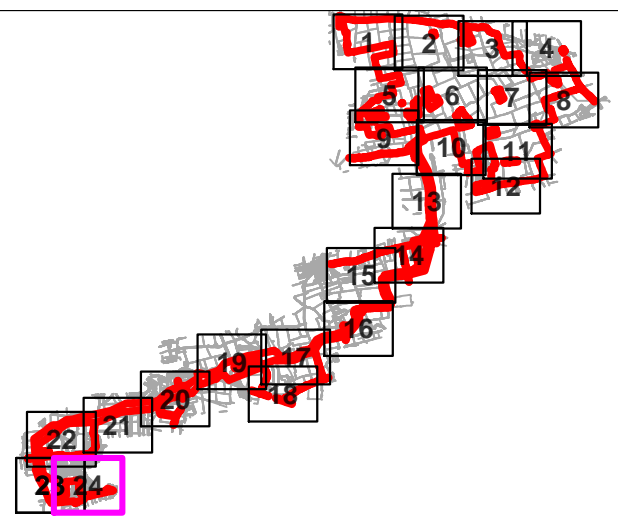
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| 00 | MAR 24 | FOR DCO SUBMISSION |
| I/R | DATE | DESCRIPTION |

DRAWING STATUS

FOR DCO SUBMISSION

PROJECT NUMBER

60682158

SHEET TITLE

TREE PROTECTION PLAN
(SHEET 24)

SHEET NUMBER

60682158-ACM-XX-XX-TPP-024

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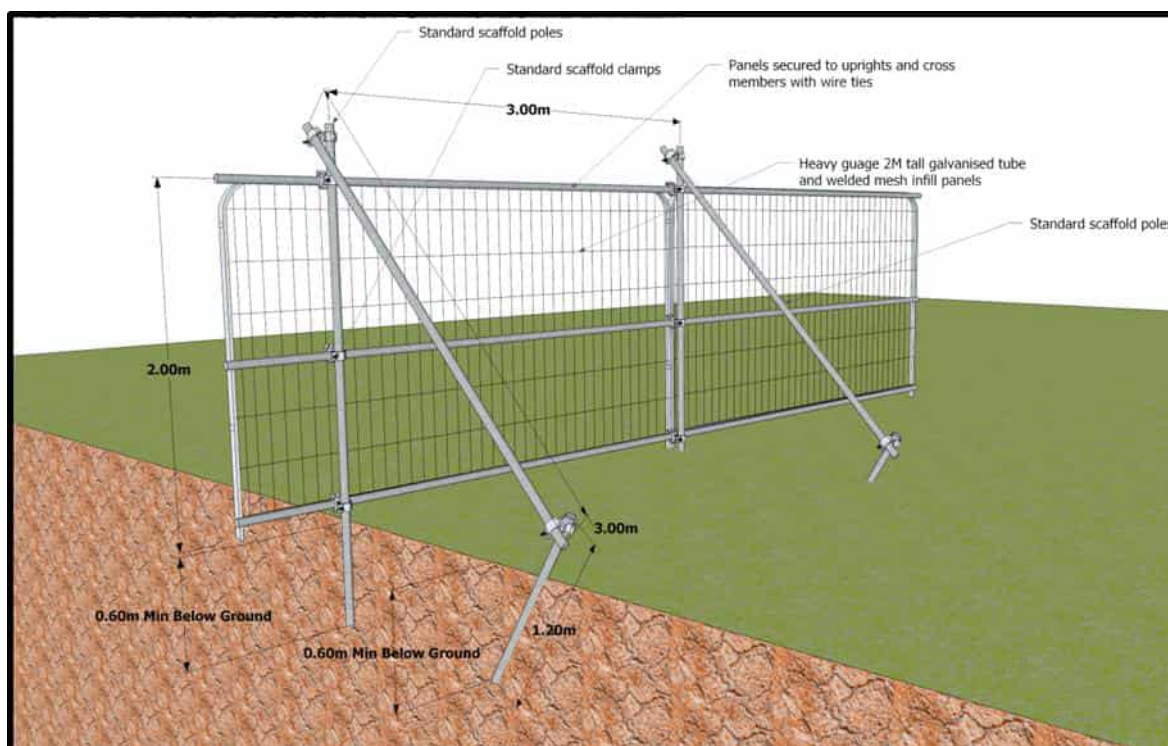
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Annex D Outline Tree Protection Measures

D.1 Tree Protection Fencing

- 7.1.1 The default position as set out by BS 5837:2012 is that retained trees must be protected from construction operations with the erection of robust protective fencing positioned on the outer edge of the RPA or crown spread (whichever is greatest). All site operations will be restricted to the area outside of tree protection fencing and this area will form a Construction Exclusion Zone (CEZ) unless agreed otherwise. Protection measures will be installed as set out in the Tree Protection Plan included as **Annex C** of this report.
- 7.1.2 The area inside the fence and any additional tree protection measures will be sacrosanct and must not be removed or altered without the prior approval of the LPA Tree Officer. Any damage to tree protection measures must be reported immediately.
- 7.1.3 Fencing shall be constructed with robust vertical and horizontal scaffold framework with weldmesh panels firmly attached as per BS5837:2012 Figure 7 (Ref 6) (included below). Vertical support poles and bracing poles must be located with care to avoid underground utility services and will be sited to avoid the structural roots of retained trees.
- 7.1.4 Alternative equivalent robust and immovable fencing specification including site hoarding will also be appropriate.
- 7.1.5 Suitable all weather signage will be fixed to fencing to notify site staff and visitors of the construction exclusion zone and its purpose (example included as **Annex E**).

Figure 7-1 Default Specification for Protective Barrier.



- 7.1.6 When entering and exiting the Site the fencing contractor must avoid the production of ruts on the unprotected surface of the ground.
- 7.1.7 Protective fencing and ground protection shall stay in place until all development operations have been completed and the prior consent of the LPA Tree Officer and/or an arboriculturist has been obtained.

D.2 Ground Protection

- 7.1.8 Should access be unavoidable within the RPA of a retained tree, fit for purpose ground protection must be in place which is sufficient to protect the structure of the soil from damage based on the heaviest anticipated load.
- 7.1.9 As set out in section 6.2.3.3 of BS5837:2012 (Ref 6) the following ground protection measures will be appropriate:
 - a. Suitable ground protection for pedestrian only access will comprise a single thickness of scaffold boards set on a compressible layer of 100mm of woodchip on a geotextile separation layer;
 - b. Pedestrian operated plant up to two tonnes in weight would require the use of a proprietary ground protection system (such as Ground Guards or Eve Trakway or equivalent) set on a minimum depth of 150mm woodchip or sharp sand; and
 - c. Heavier loads will require ground protection to an engineering specification in conjunction with arboricultural advice.
- 7.1.10 As a guide the threshold beyond which root development is significantly affected is a bulk density ranging from 1.4g per cm³ for clay soils, to 1.75g per cm³ for sandy soils.
- 7.1.11 Tree protective measures shall stay in place until all construction operations are completed and removal is agreed with the Site arboriculturist and/or the Local Authority Tree Officer as appropriate.

D.3 General guidance for the management of exposed roots

- 7.1.12 Excavation must only take place within the RPA of a retained tree with the prior agreement of an arboriculturist and the Local Authority Tree Officer. All excavation must be undertaken using hand tools or compressed air (such as an air spade).
- 7.1.13 The following general principles will apply.
 - a. Individual or small groups of roots less than 25mm in diameter will be retained where possible but can be severed with a sharp tool such as secateurs or pruning saws to leave a clean cut end (ideally 100mm back from the face of the excavation to account for future regrowth) where they pose an obstruction;
 - b. Where roots are encountered which are larger than 25mm in diameter or where significant groups of smaller roots are found, the advice of an arboriculturist must be sought to decide an appropriate course of

action (following consultation with the Local Authority Tree Officer where appropriate);

- c. Roots must only be exposed for the minimum period possible. In the interim period any exposed roots must be completely covered with dampened hessian sacking (which may require ongoing re wetting) to avoid drying out and exposure to light (which can result in the death of roots). Backfill for excavations should utilise the parent material and must not be significantly compacted; and
- d. Biosecurity measures should be applied as recommended in the Arboricultural Association (2018) Guidance Note 2 Application of Biosecurity in Arboriculture (Ref 2).

D.4 Storage, use and mixing of materials

- 7.1.14 The use, mixing and washing of materials can lead to run off or inadvertent spillage into tree root zones. Many substances often used on construction sites can be toxic to tree roots (such as concrete, fuels, salts, builders sand and herbicides), can result in the death of tree roots and beneficial soil organisms; and have a significant impact on the future health and appearance of trees.
- 7.1.15 The storage of materials can result in an effective raised soil level. This buries tree roots at depths where air and water are less available and can lead to the decline or death of the tree.
- 7.1.16 For these reasons the storage of materials and any washing, mixing or refuelling must take place in agreed allocated areas at least 5m from the edge of the RPA of retained trees.
- 7.1.17 Any slope effect must be taken into account and where there is a potential for run off, heavy duty polythene sheeting and sandbags must be in place as bunding to prevent toxic materials reaching RPAs.

Annex E Tree Protection Signage (Example)

