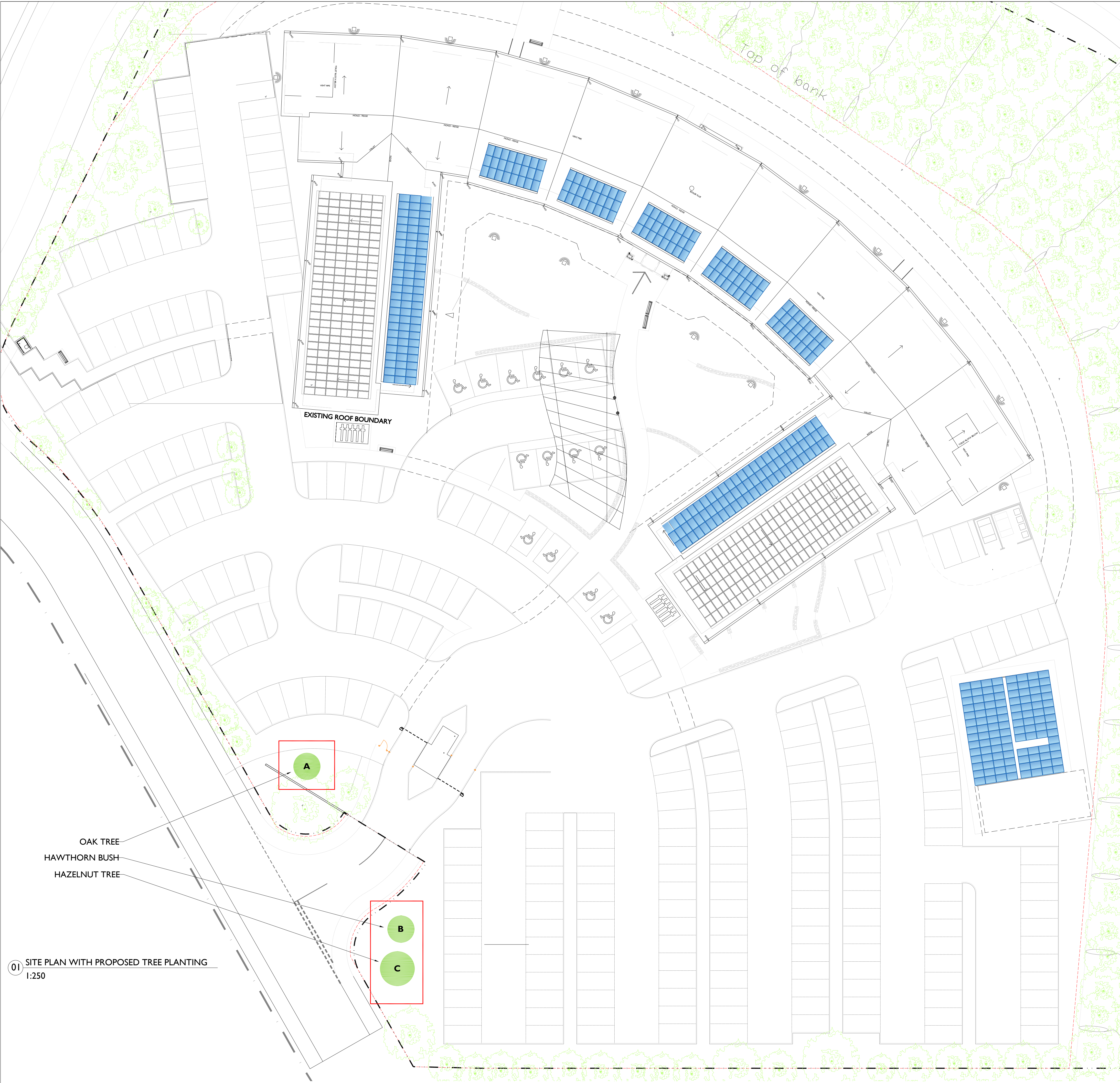




01 SITE PLAN WITH PROPOSED TREE PLANTING
1:250



LOCATION FOR OAK TREE (A)



LOCATION FOR HAWTHORN BUSH
AND HAZEL NUT TREE (B & C)

PLANTING AND ESTABLISHMENT DETAILS
ALL TREES SHALL BE SUPPLIED NURSERY-GROWN, HEALTHY, DISEASE-FREE AND COMPLIANT WITH BS 3936 AND BS 8545.
PLANTING SHALL BE UNDERTAKEN DURING THE DORMANT SEASON (NOVEMBER TO MARCH) UNLESS CONTAINER-GROWN STOCK IS USED AND ADEQUATE IRRIGATION CAN BE PROVIDED.
PLANTING SPECIFICATION:

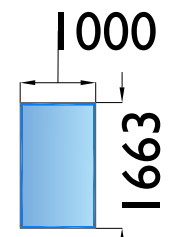
- EXCAVATE PLANTING PITS A MINIMUM OF TWICE THE WIDTH OF THE ROOT SYSTEM AND OF SUFFICIENT DEPTH TO ACCOMMODATE ROOTS WITHOUT DISTORTION.
- LOOSEN THE BASE AND SIDES OF PLANTING PITS TO PREVENT COMPACTION.
- INCORPORATE RETAINED TOPSOIL AND APPROVED ORGANIC SOIL IMPROVER WHERE REQUIRED.
- TREES SHALL BE PLANTED AT THE SAME DEPTH AS GROWN IN THE NURSERY.
- INSTALL A 75-100MM DEPTH OF ORGANIC MULCH IN A MINIMUM 1.0M DIAMETER CIRCLE AROUND EACH TREE, ENSURING MULCH IS KEPT CLEAR OF THE STEM.
- PROVIDE RABBIT/DEER GUARDS WHERE BROWSING PRESSURE EXISTS.
- STAKE AND SECURE TREES WITH SUITABLE TIMBER STAKES AND FLEXIBLE TIES WHERE APPROPRIATE.

MAINTENANCE AND ESTABLISHMENT PERIOD:
A MINIMUM FIVE-YEAR ESTABLISHMENT AND MAINTENANCE PERIOD SHALL BE PROVIDED, INCLUDING:

- REGULAR WATERING DURING DRY PERIODS, PARTICULARLY DURING THE FIRST THREE GROWING SEASONS.
- WEED-FREE MAINTENANCE OF A MINIMUM 1.0M DIAMETER MULCH CIRCLE AROUND EACH TREE.
- REPLACEMENT OF FAILED, DYING, DISEASED OR DAMAGED TREES DURING THE NEXT PLANTING SEASON.
- INSPECTION AND ADJUSTMENT OF STAKES, TIES AND GUARDS AT LEAST ANNUALLY.
- FORMATIVE PRUNING AS REQUIRED TO ESTABLISH A HEALTHY STRUCTURE AND REMOVE DAMAGED OR CROSSING BRANCHES.
- REMOVAL OF STAKES AND TIES ONCE TREES ARE ESTABLISHED, TYPICALLY AFTER 2-3 YEARS.

LONG-TERM SURVIVAL MEASURES:
TO MAXIMISE ESTABLISHMENT SUCCESS, COMPETING VEGETATION SHALL BE CONTROLLED FOR A MINIMUM OF THREE YEARS AND MULCH REPLENISHED ANNUALLY AS NECESSARY. YOUNG TREES AND SHRUBS ESTABLISH MOST SUCCESSFULLY WHERE GRASS AND WEED COMPETITION IS SUPPRESSED AND A WEED-FREE MULCHED AREA IS MAINTAINED AROUND EACH SPECIMEN.

LEGEND
1:150



NEW PV SOLAR PANEL - EXACT LOCATION AND DETAILS TO BE CONFIRMED BY PV SPECIALIST.
PROPOSED TO HAVE No. 270 PANELS ON MAIN BUILDING AND No.109 PANELS ON THE ENERGY CENTRE. LOCATED AS PER ROOF PLANS.

PROPOSED TREE PLANTING

TREES SHALL COMPRISE 1 NO. OAK (*QUERCUS ROBUR* OR *QUERCUS PETRAEA*), 1 NO. HAWTHORN (*CRATAEGUS MONOGYNA*) AND 1 NO. HAZEL (*CORYLUS AVELLANA*). ALL PLANTING SHALL BE CARRIED OUT IN ACCORDANCE WITH BS 8545:2014 AND MAINTAINED FOR A MINIMUM PERIOD OF FIVE YEARS FOLLOWING PLANTING. FAILED OR DEFECTIVE TREES SHALL BE REPLACED DURING THE NEXT AVAILABLE PLANTING SEASON WITH STOCK OF SIMILAR SIZE AND SPECIES. MULCH, STAKES, TIES AND GUARDS SHALL BE INSPECTED AND MAINTAINED THROUGHOUT THE ESTABLISHMENT PERIOD. YOUNG TREES SHALL BE MAINTAINED WEED-FREE WITHIN A MINIMUM 1.0M DIAMETER MULCH ZONE AND WATERED AS REQUIRED TO ENSURE SUCCESSFUL ESTABLISHMENT. THIS ALIGNS WITH ARBORICULTURAL GUIDANCE RECOMMENDING WEED SUPPRESSION AND MULCHING DURING THE FIRST YEARS OF ESTABLISHMENT.



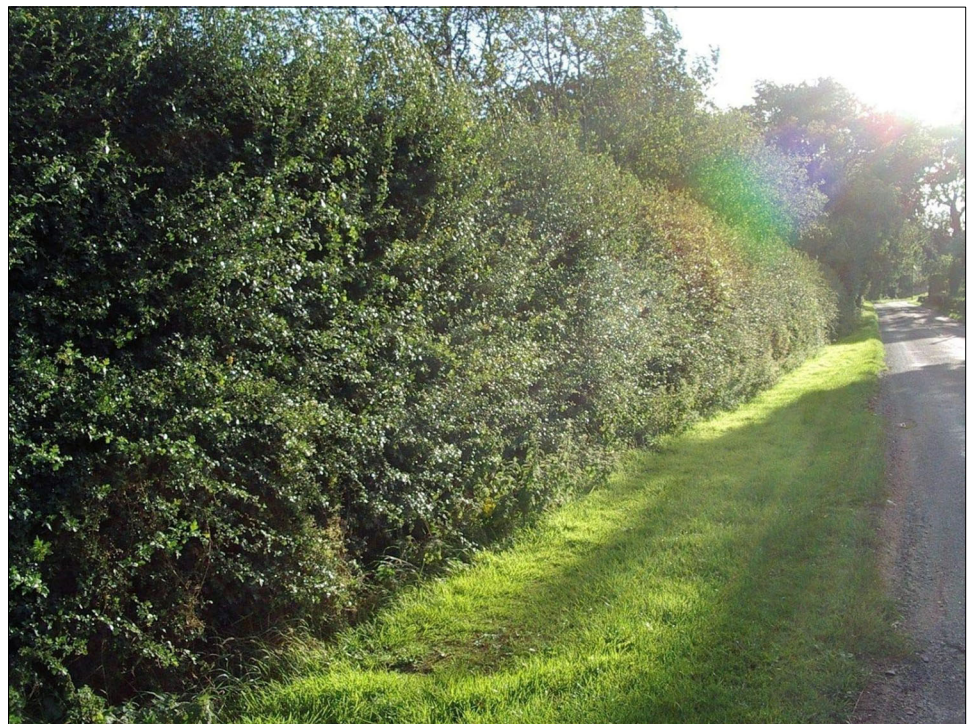
- A** 1 NO. OAK (*QUERCUS ROBUR* OR *QUERCUS PETRAEA*)
SPECIFICATION
- HEAVY STANDARD, 12-14 CM GIRTH.
 - ROOTBALLED OR CONTAINER-GROWN.
 - MINIMUM HEIGHT: 3.0-3.5 M.
 - DOUBLE STAKING SYSTEM WITH CROSSBAR.
 - 1.0 M DIAMETER BARK MULCH RING.

LOCATION REQUIREMENTS

- OPEN POSITION WITH ADEQUATE ROOM FOR LONG-TERM GROWTH.
- MINIMUM 10 M FROM BUILDINGS WHERE POSSIBLE.
- SUITABLE FOR NEUTRAL TO SLIGHTLY ACIDIC SOILS.
- AVOID AREAS WITH UNDERGROUND SERVICES CLOSE TO PLANTING PIT.

LONG-TERM CHARACTERISTICS

- ULTIMATE HEIGHT: 20-35 M+.
 - HIGH BIODIVERSITY VALUE SUPPORTING INSECTS, BIRDS AND MAMMALS.
- EXCELLENT CLIMATE RESILIENCE AND LANDSCAPE PRESENCE.



- B** 1 NO. HAWTHORN (*CRATAEGUS MONOGYNA*)
SPECIFICATION
- FEATHERED TREE OR LIGHT STANDARD.
 - 8-10 CM GIRTH.
 - CONTAINER-GROWN OR ROOTBALLED.
 - SINGLE STAKE AND TIE.
 - 1.0 M DIAMETER BARK MULCH RING.

LOCATION REQUIREMENTS

- FULL SUN TO PARTIAL SHADE.
- SUITABLE FOR MOST SOIL TYPES INCLUDING POORER SOILS.
- CAN BE PLANTED CLOSER TO BOUNDARIES THAN OAK.

LONG-TERM CHARACTERISTICS

- ULTIMATE HEIGHT: 5-10 M.
- SPRING BLOSSOM BENEFICIAL TO POLLINATORS.
- AUTUMN BERRIES PROVIDE FOOD SOURCE FOR BIRDS.

HIGHLY TOLERANT OF EXPOSED CONDITIONS.



- C** 1 NO. HAZEL (*CORYLUS AVELLANA*)
SPECIFICATION
- MULTI-STEM SPECIMEN OR WHIPS/TRANSPLANTS IF PART OF A HABITAT SCHEME.
 - HEIGHT 1.2-1.8 M.
 - PROTECTED WITH RABBIT GUARD WHERE REQUIRED.
 - MULCHED PLANTING AREA.

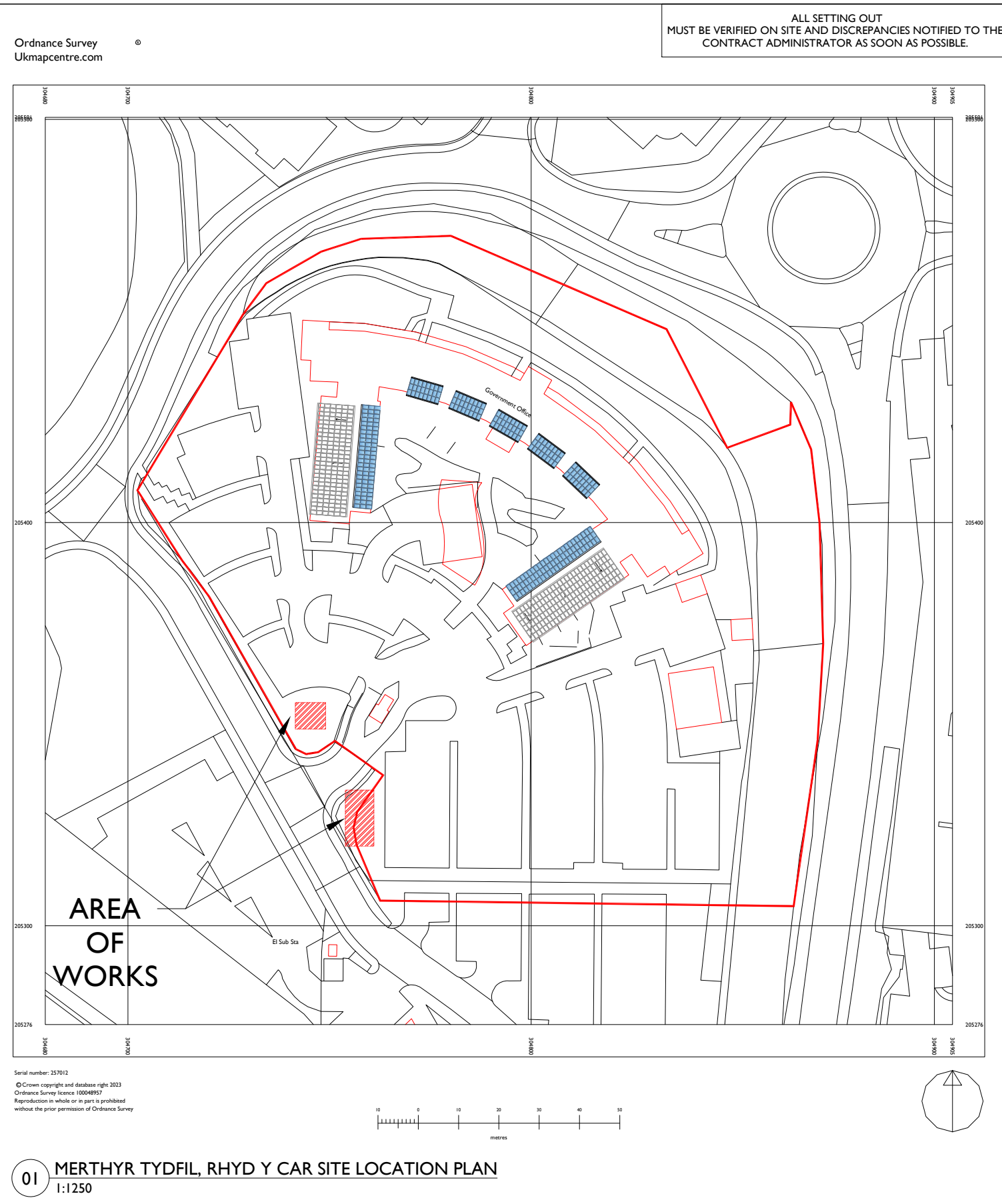
LOCATION REQUIREMENTS

- SUN OR PARTIAL SHADE.
- WELL-DRAINED SOIL.
- SUITABLE FOR WOODLAND EDGE, HEDGEROW OR UNDERSTORY PLANTING.

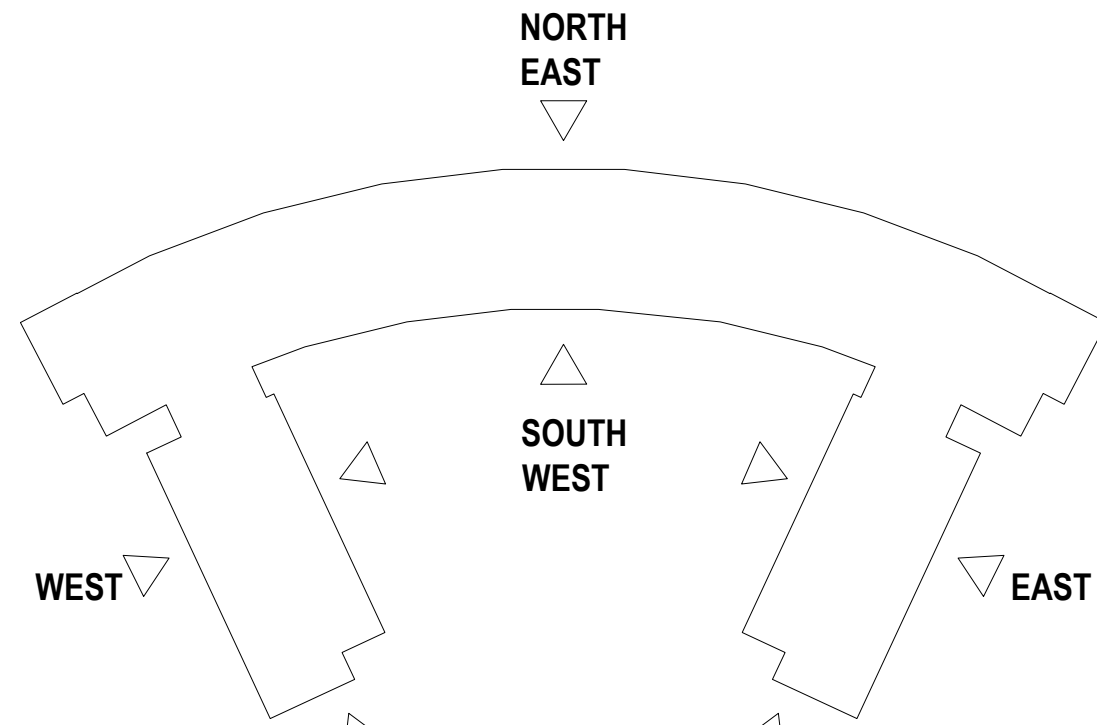
LONG-TERM CHARACTERISTICS

- ULTIMATE HEIGHT: 4-8 M.
- PRODUCES CATKINS AND NUTS.
- EXCELLENT WILDLIFE VALUE.
- CAN BE COPPICED IF DESIRED FOR LONG-TERM MANAGEMENT.

FINAL LOCATION OF TREES TO BE AGREED ON SITE, WITH CAREFUL CONSIDERATION WITH THE BUILDING'S CCTV MEASURES.



01 MERTHYR TYDFIL, RHYD Y CAR SITE LOCATION PLAN
1:1250



00 KEY PLAN
SITE

DRAWING STATUS
PLANNING



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CLIENT NAME
WELSH GOVERNMENT

PROJECT NAME
SOLAR - PV INSTALLATION
MERTHYR TYDFIL, RHYD Y CAR

DRAWING TITLE
PROPOSED TREE PLANTING

DRAWN BY	CHECKED BY	APPROVED BY	DATE	SCALE @ A0
CM	JH	KB	20.08.2026	AS SHOWN
PROJECT No.	DRAWING No.	REV		
WG1322	AL06			

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