

One Earth Solar Farm

Volume 2.0: Plans [EN010159]

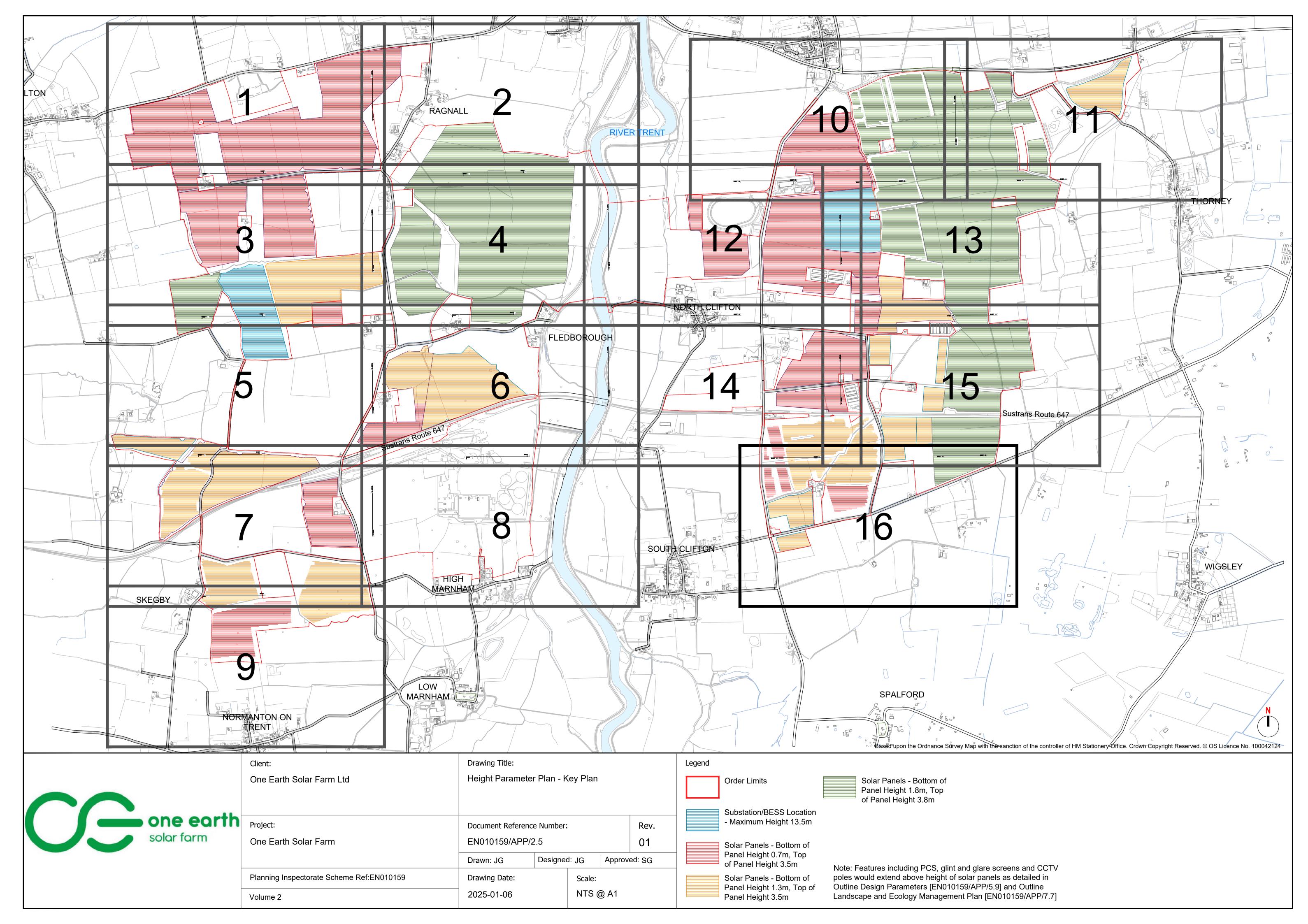
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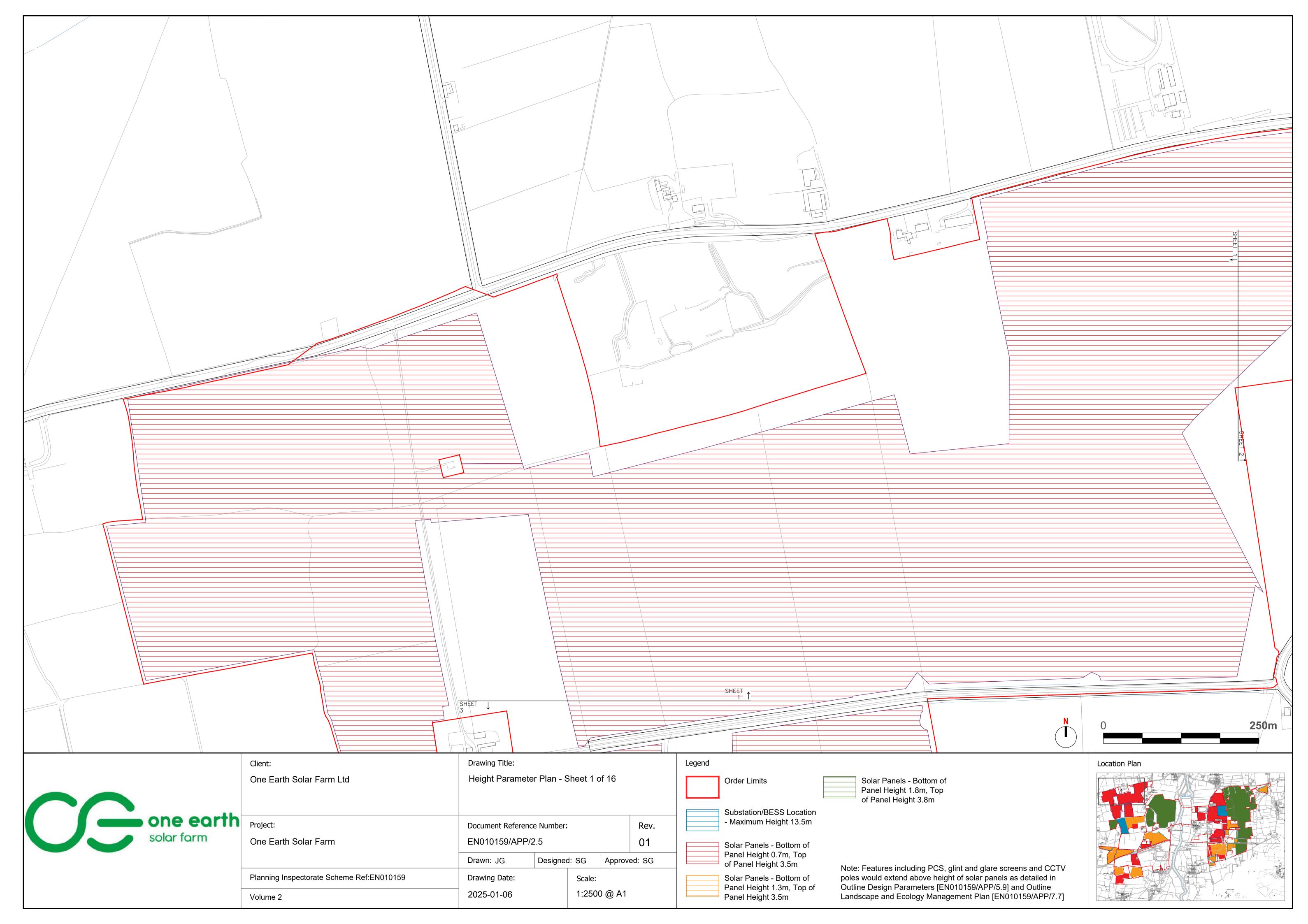
February 2025

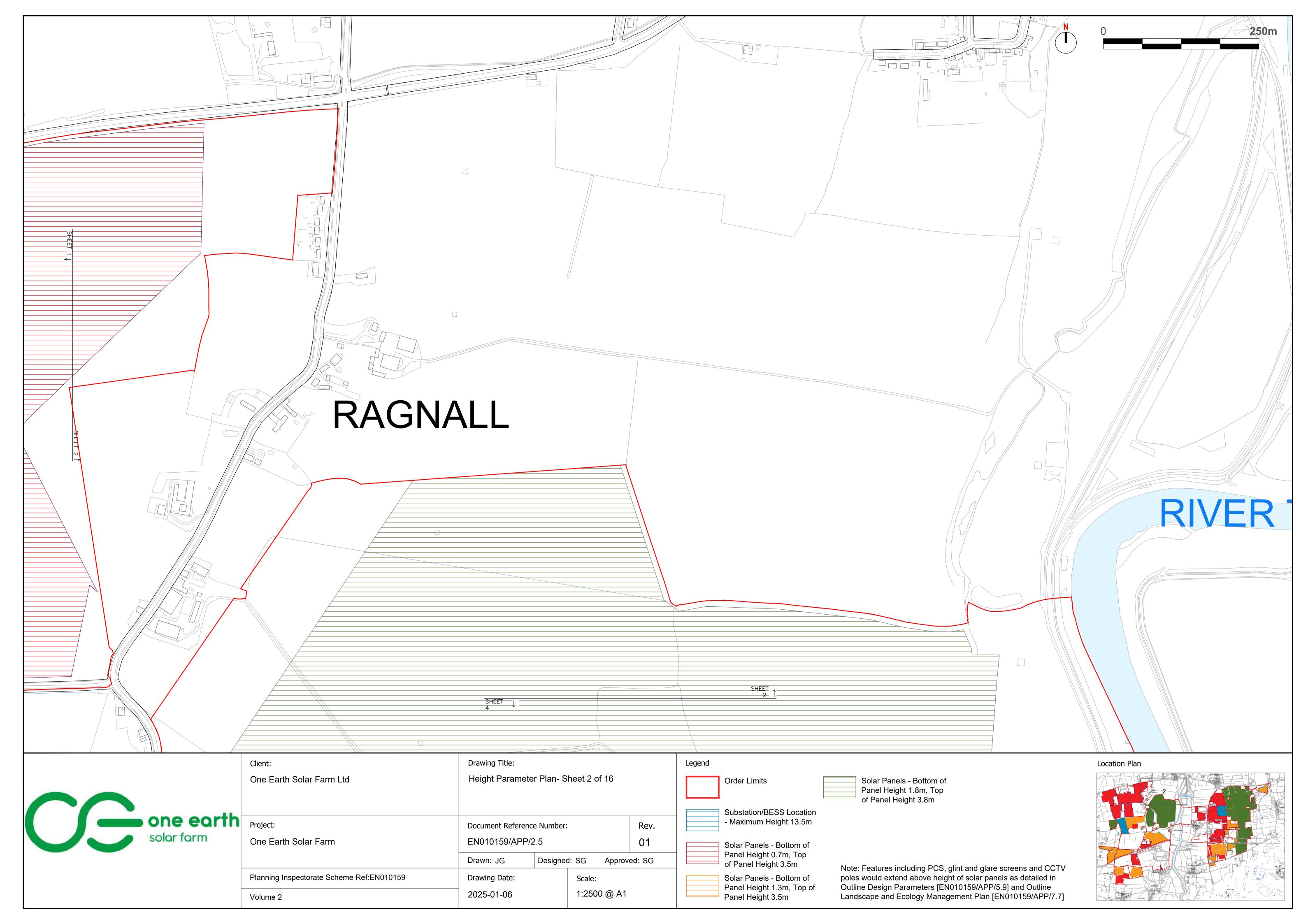
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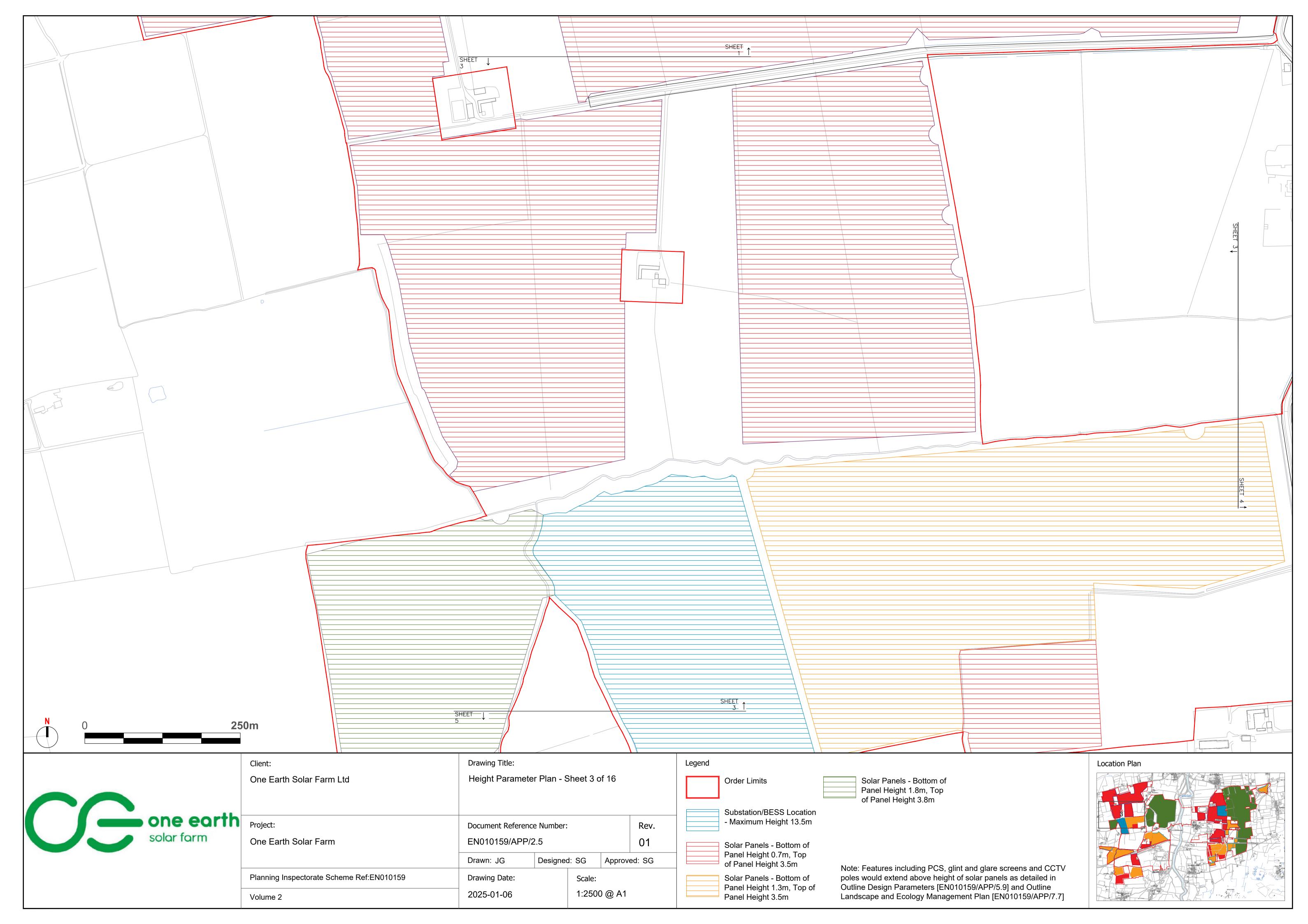
Revision 01

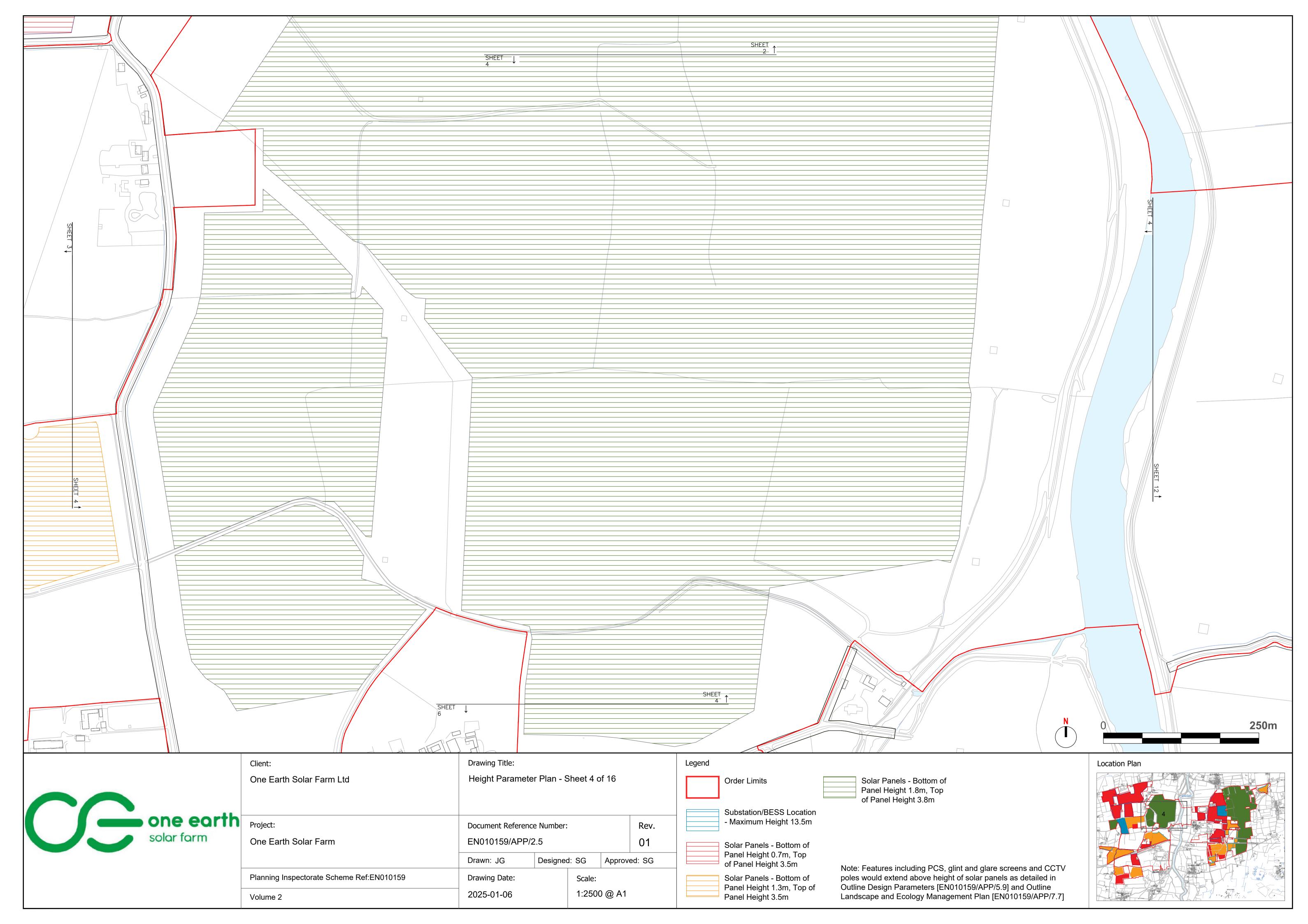
Infrastructure Planning (Applications: Prescribed Forms and Procedure) Regulations 2009 - Reg 5 (2) (o)

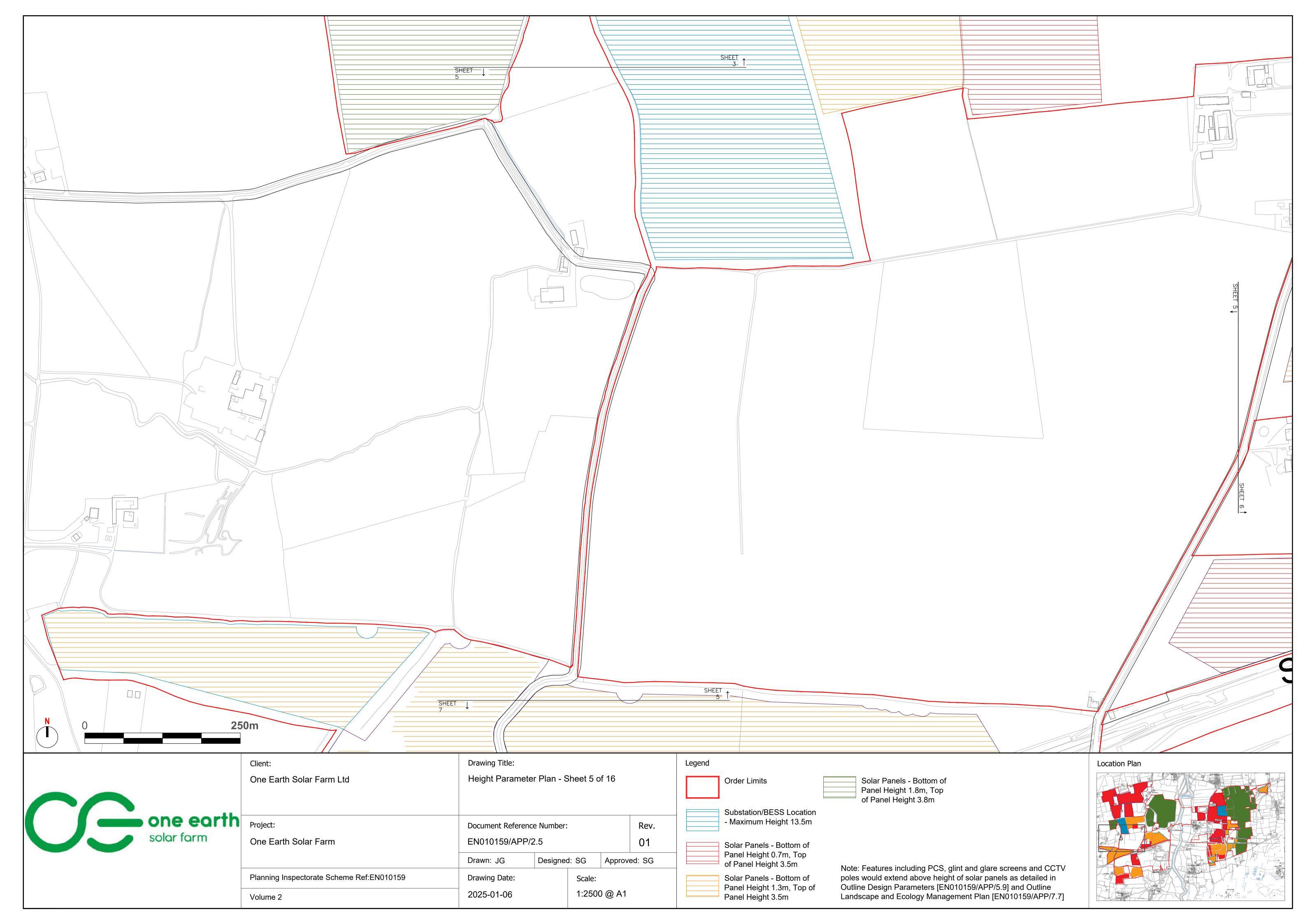


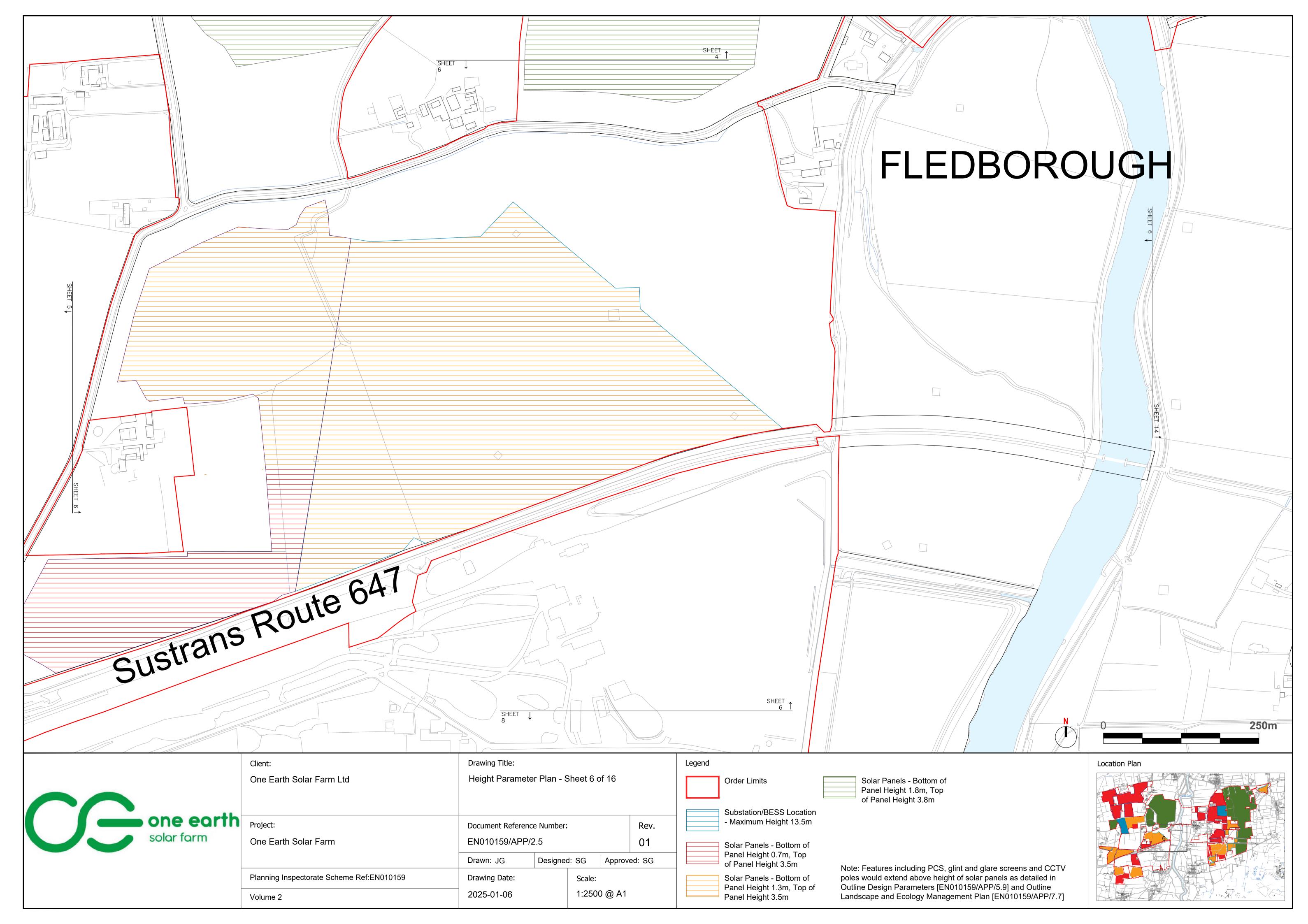


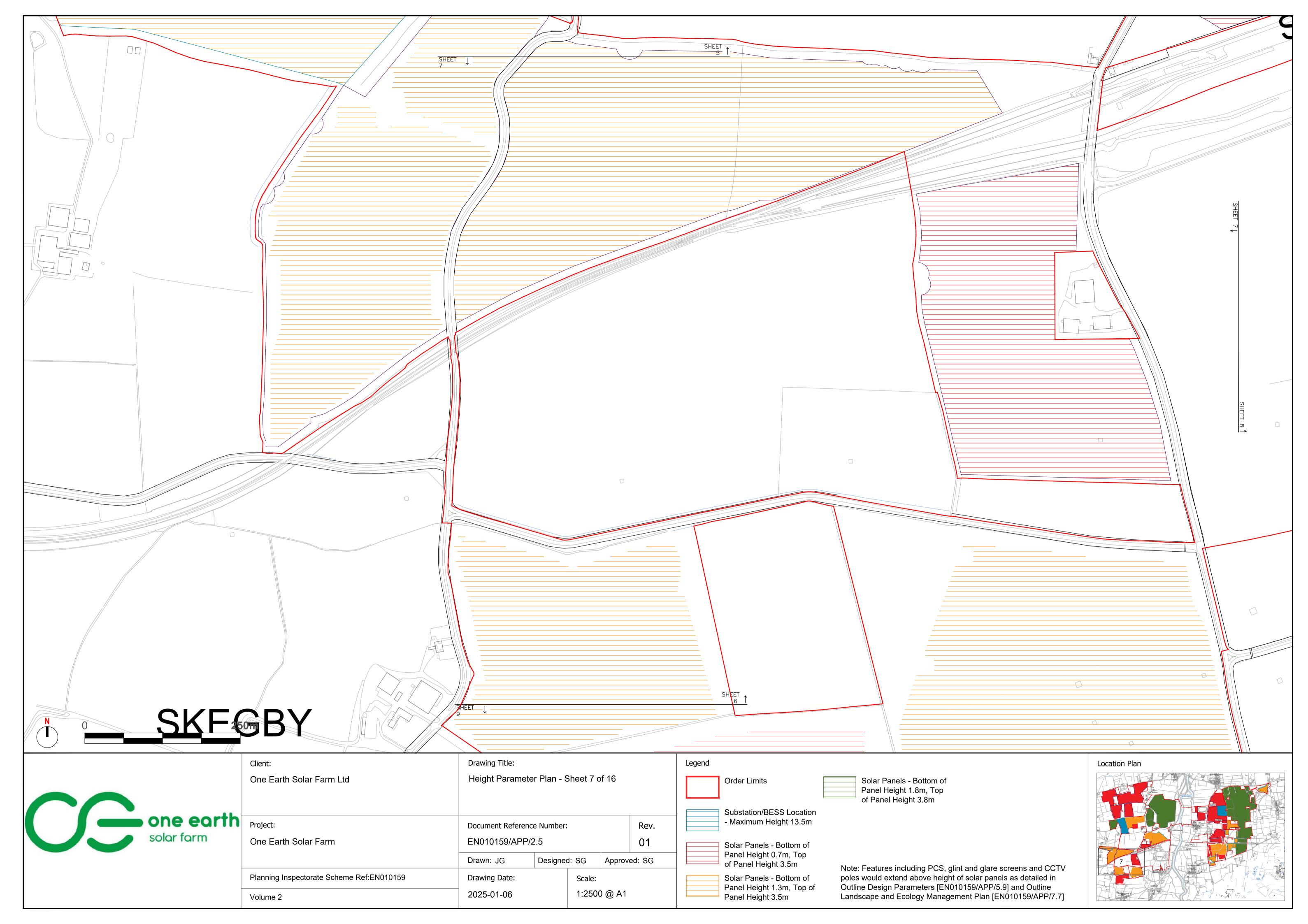


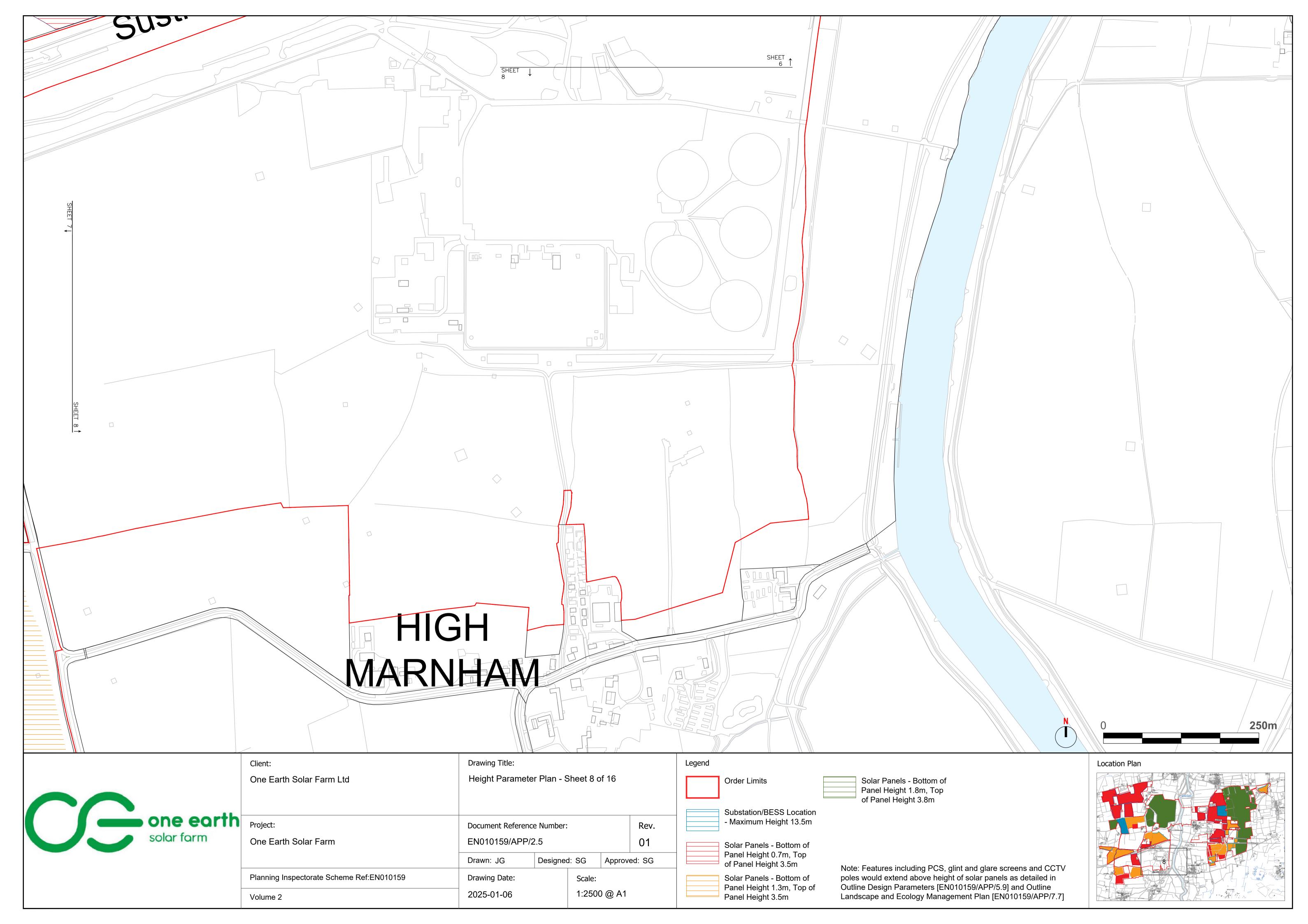


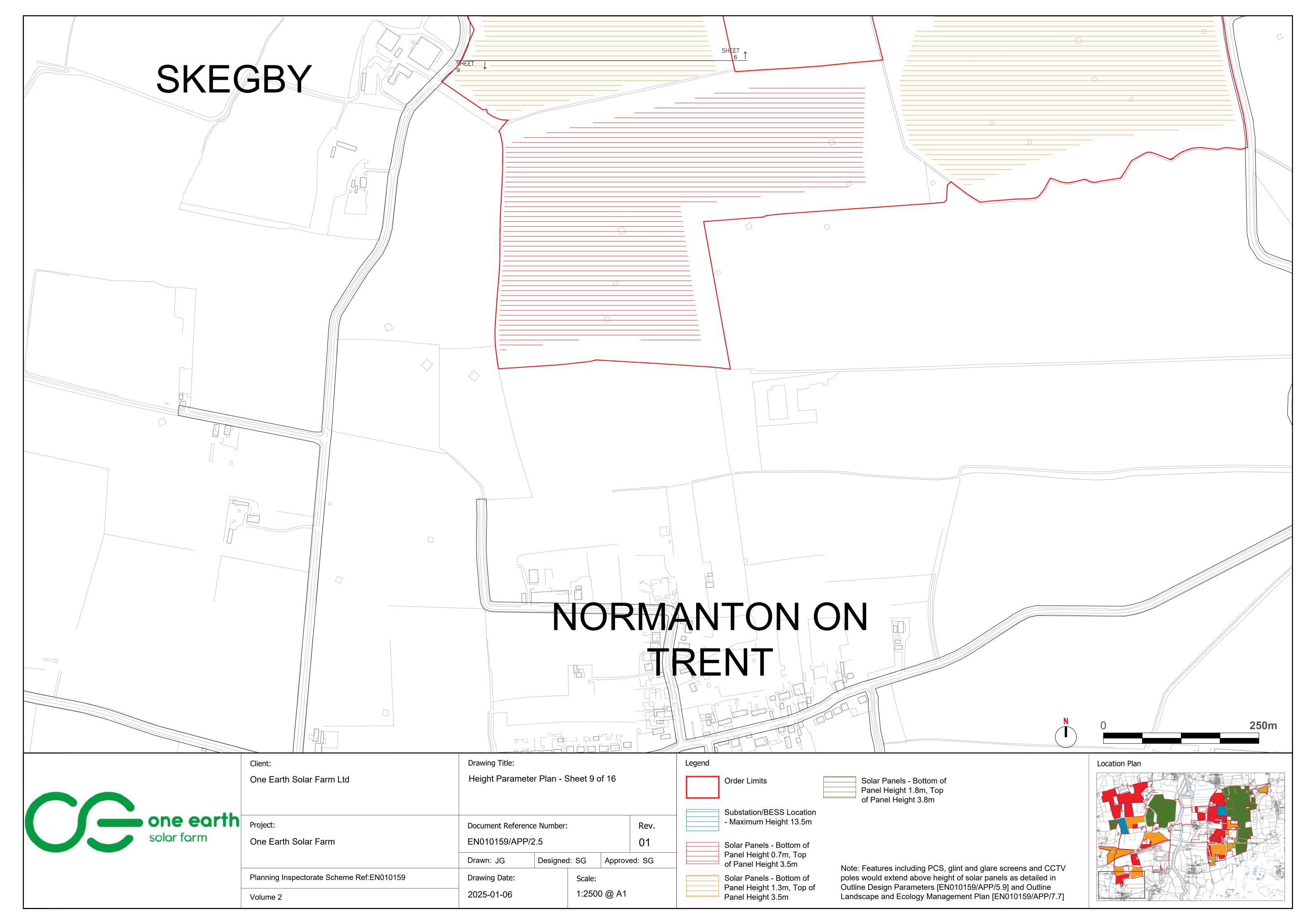


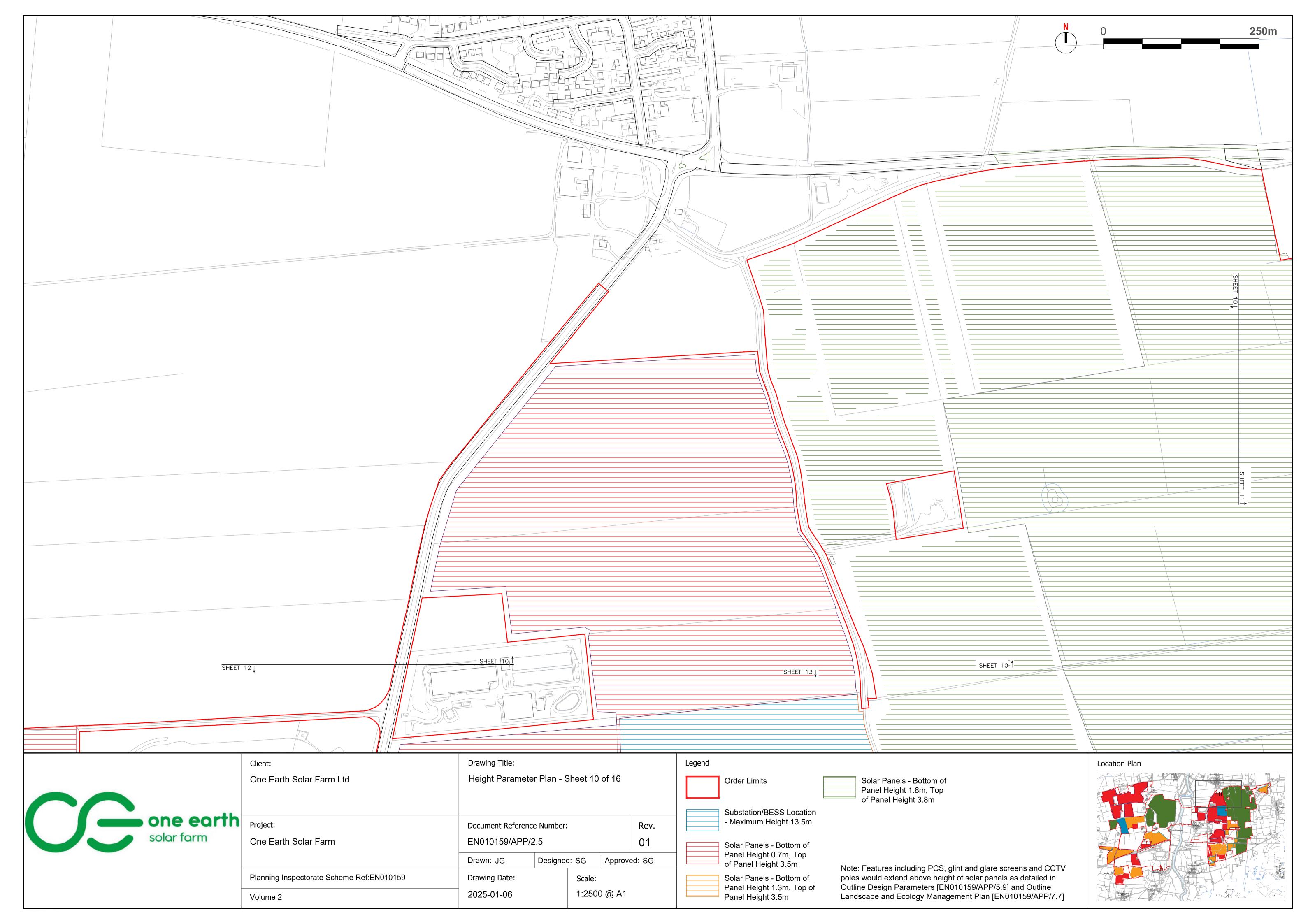


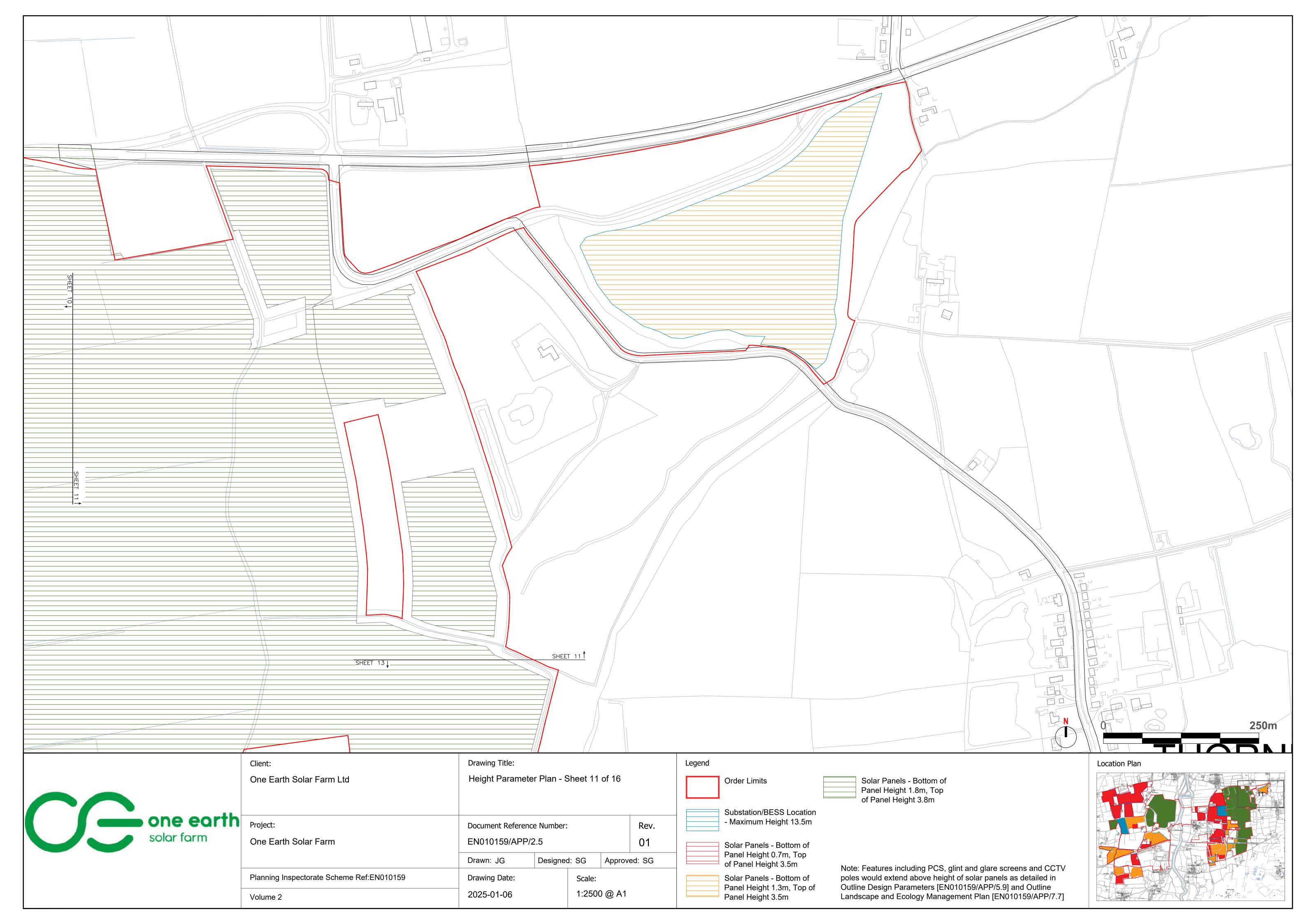


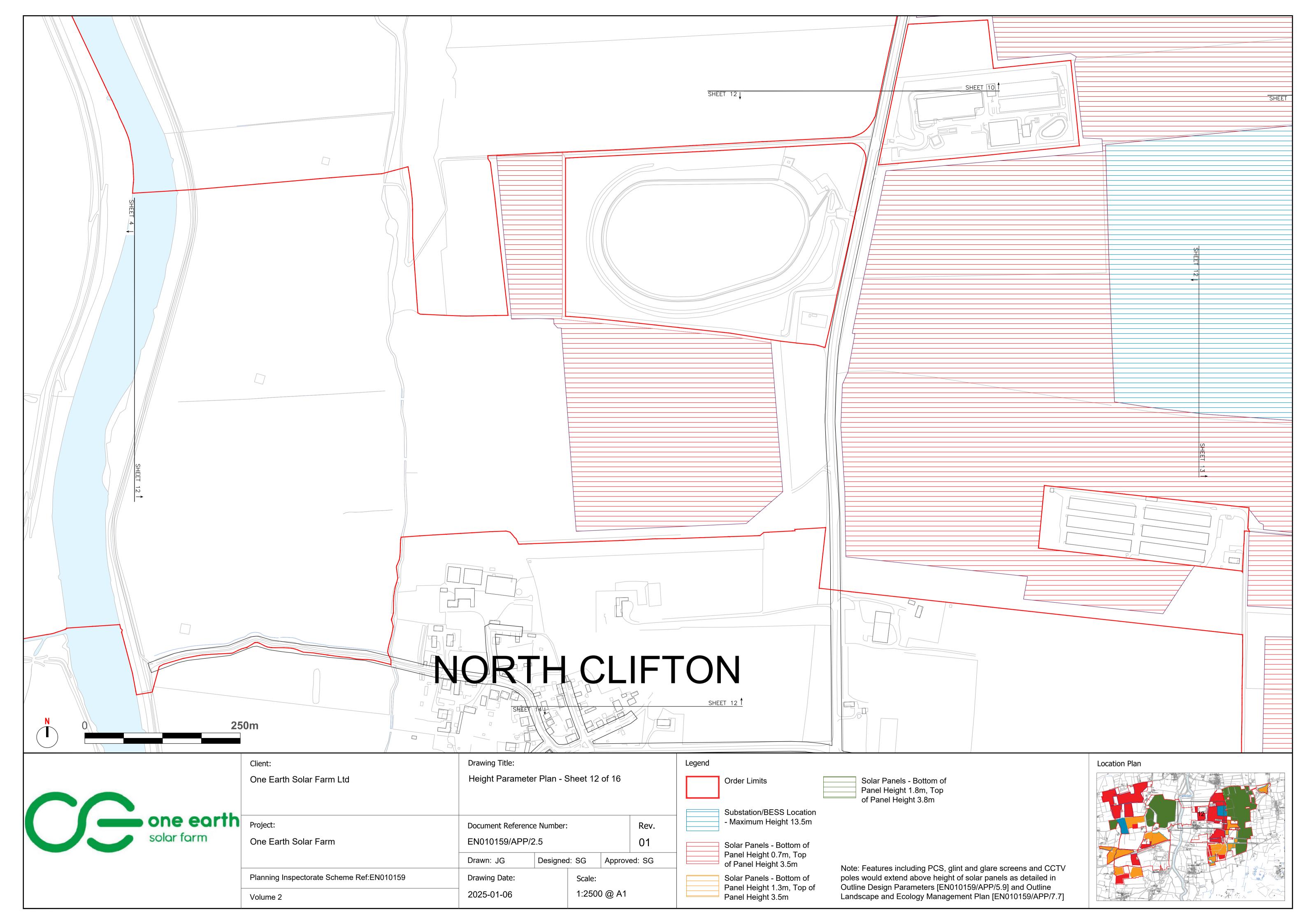


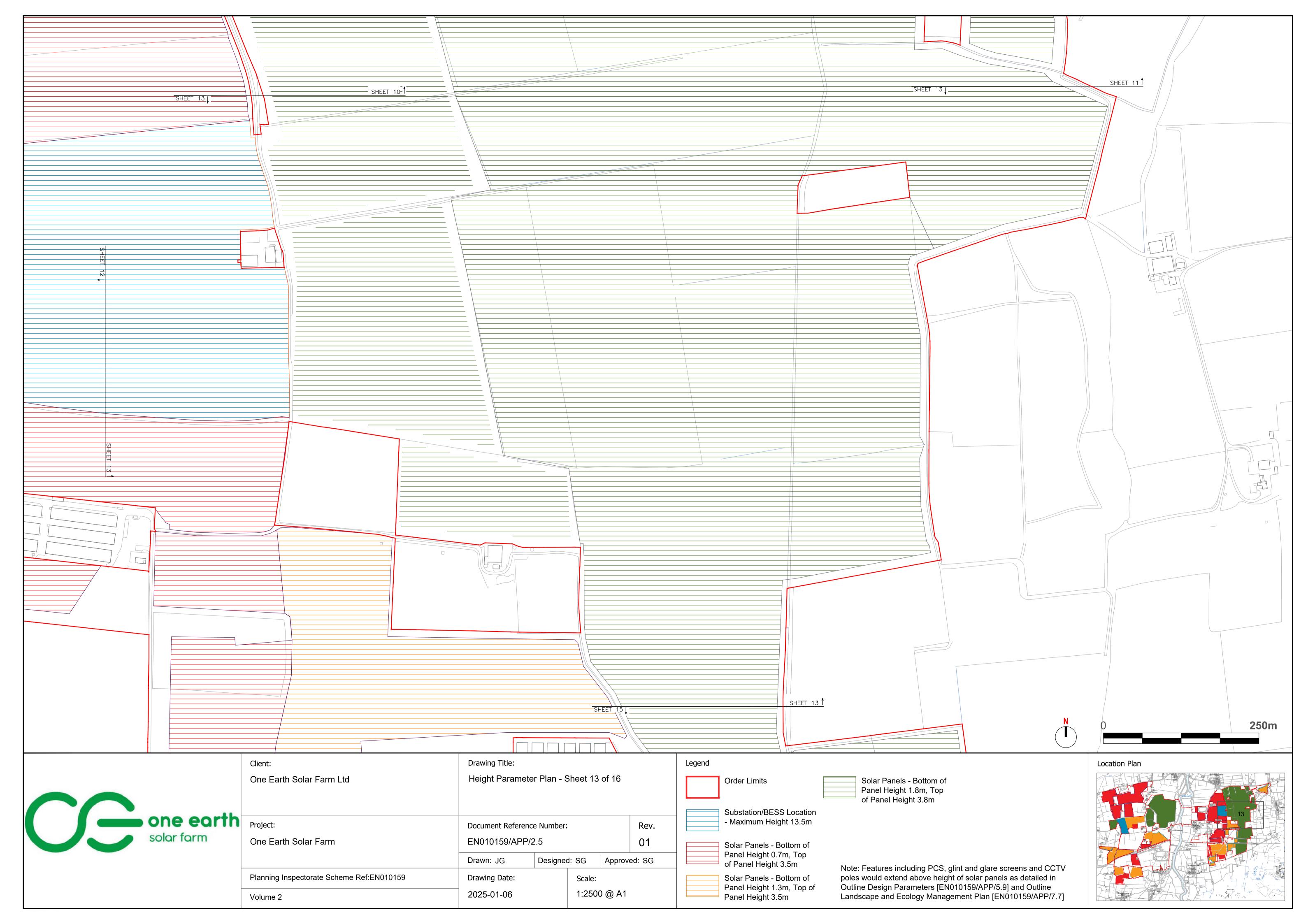


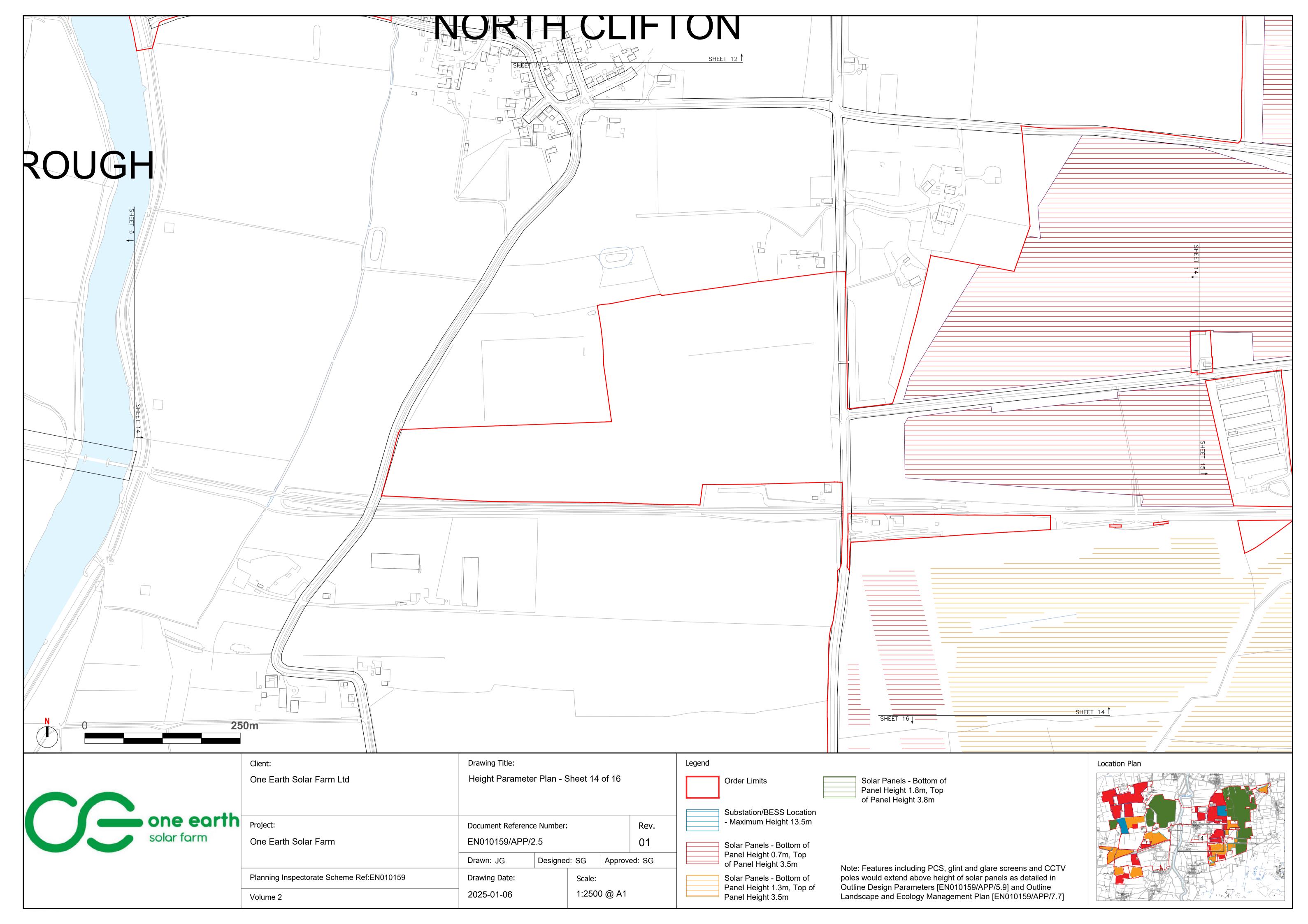


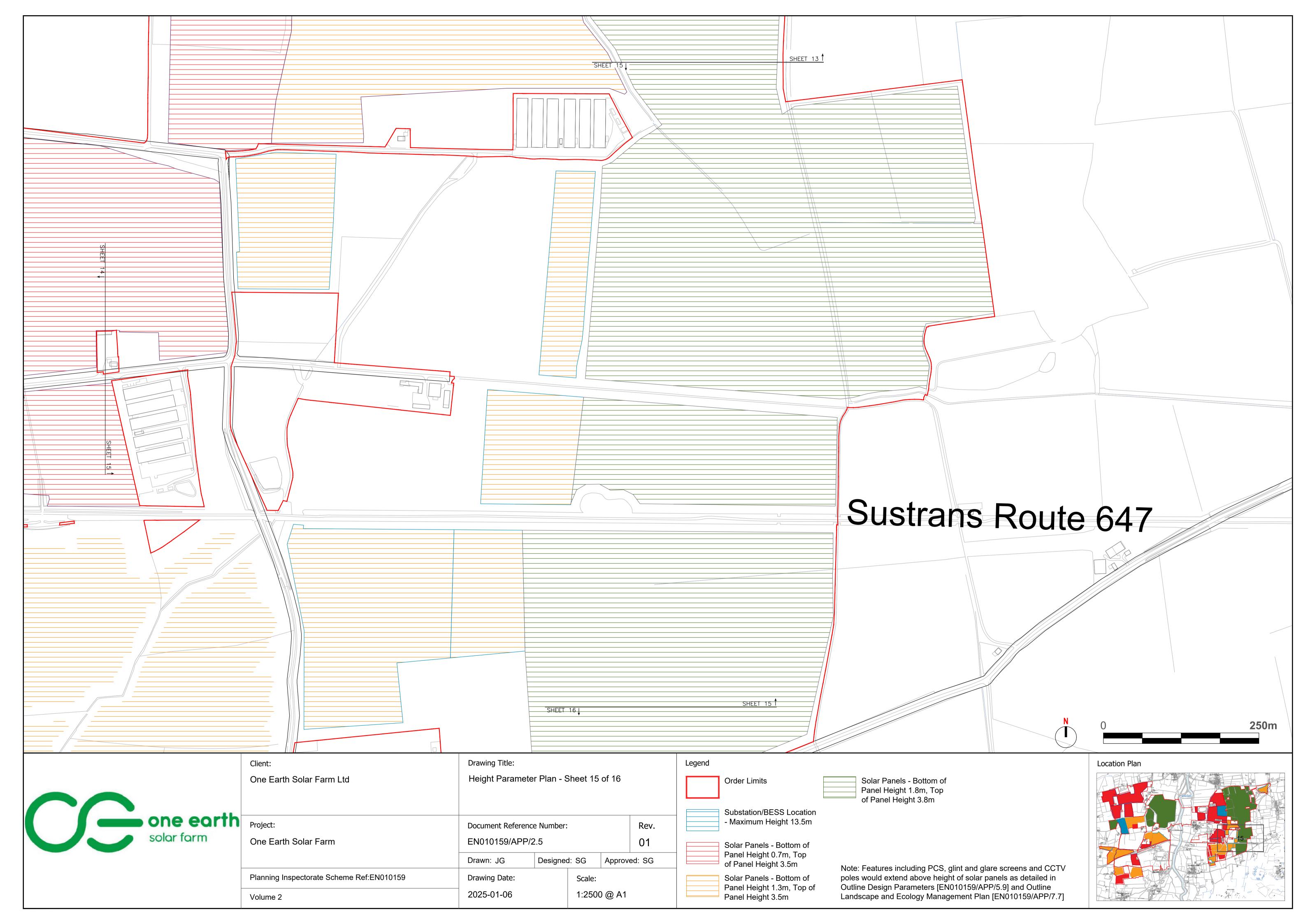


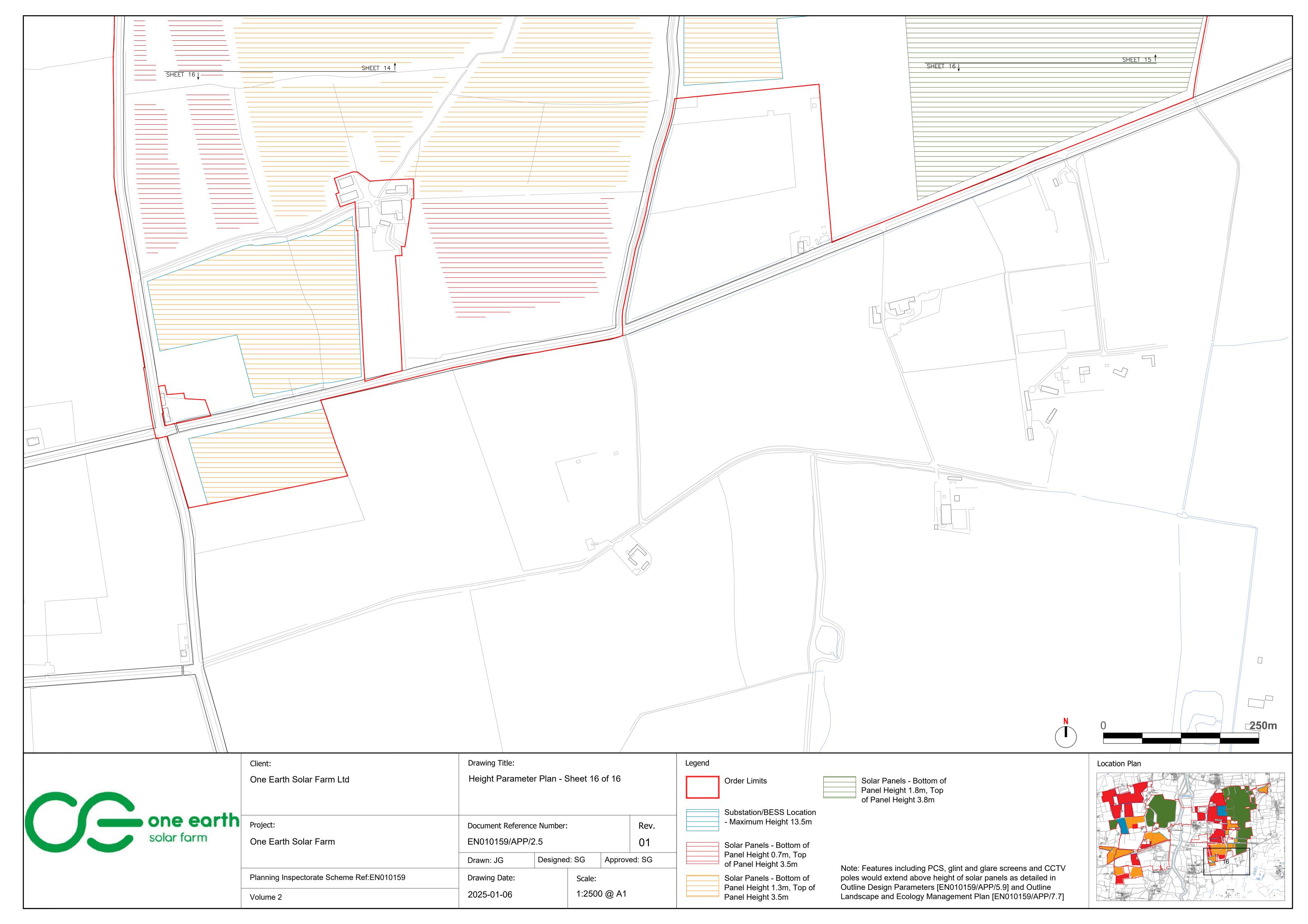


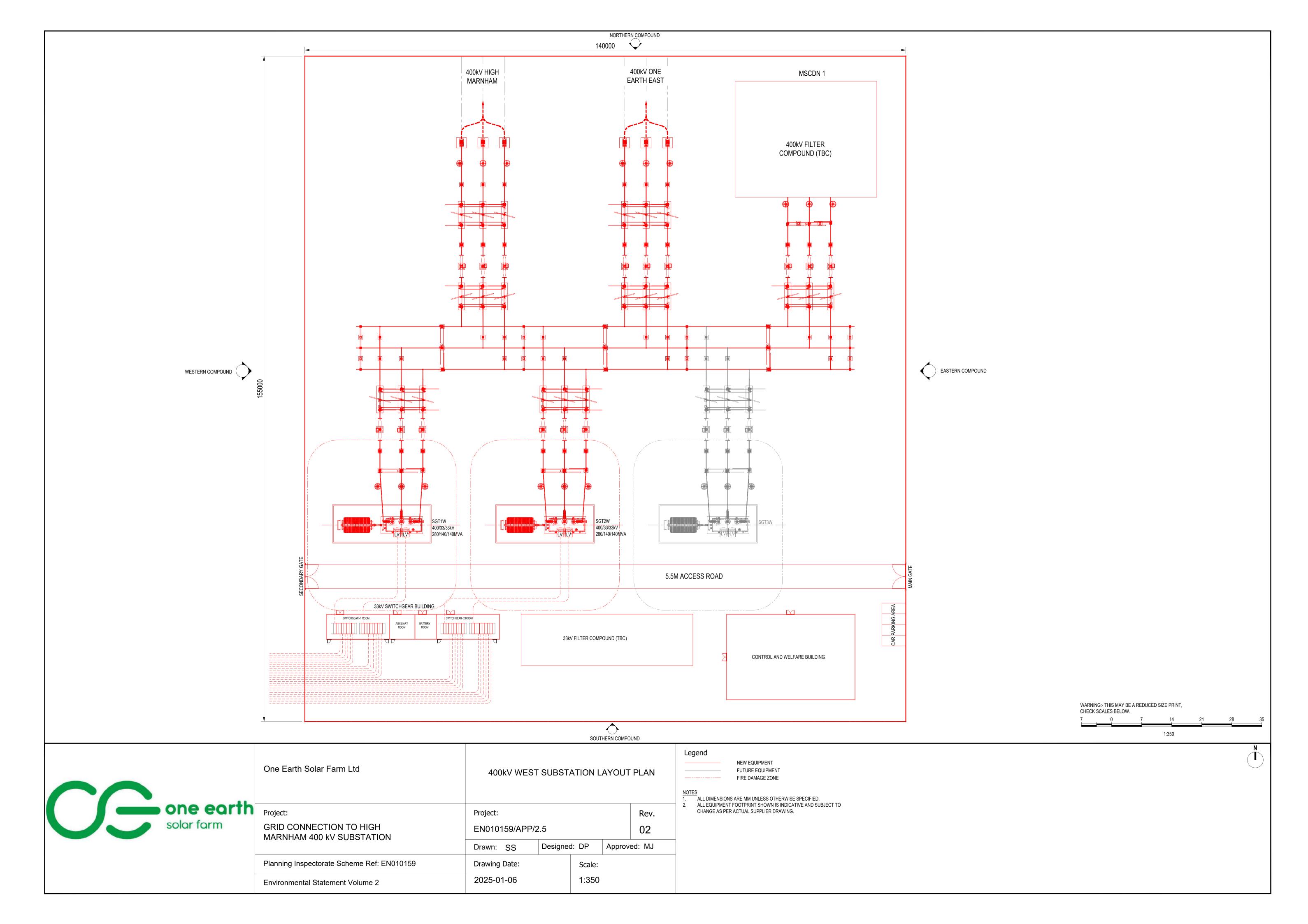


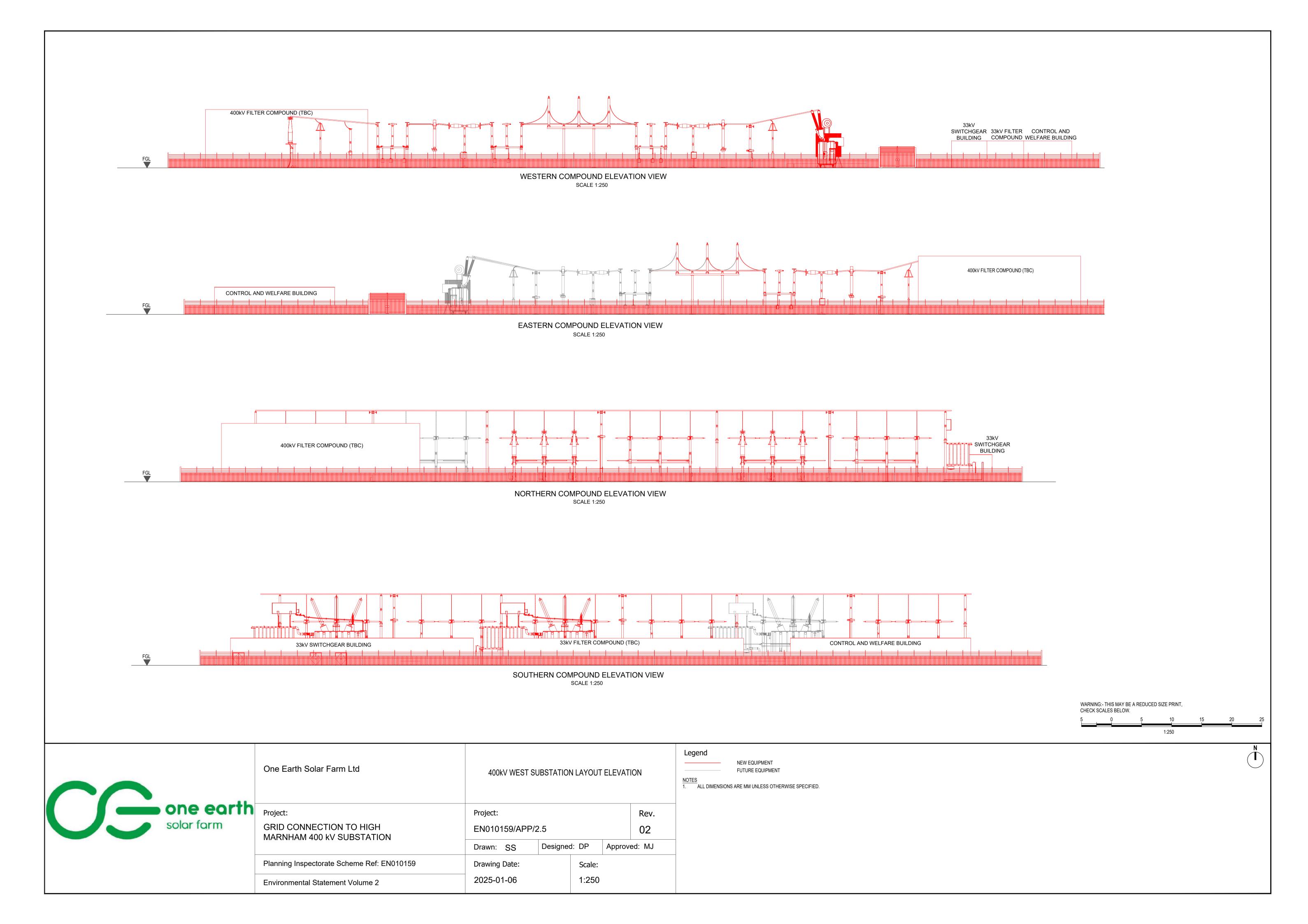


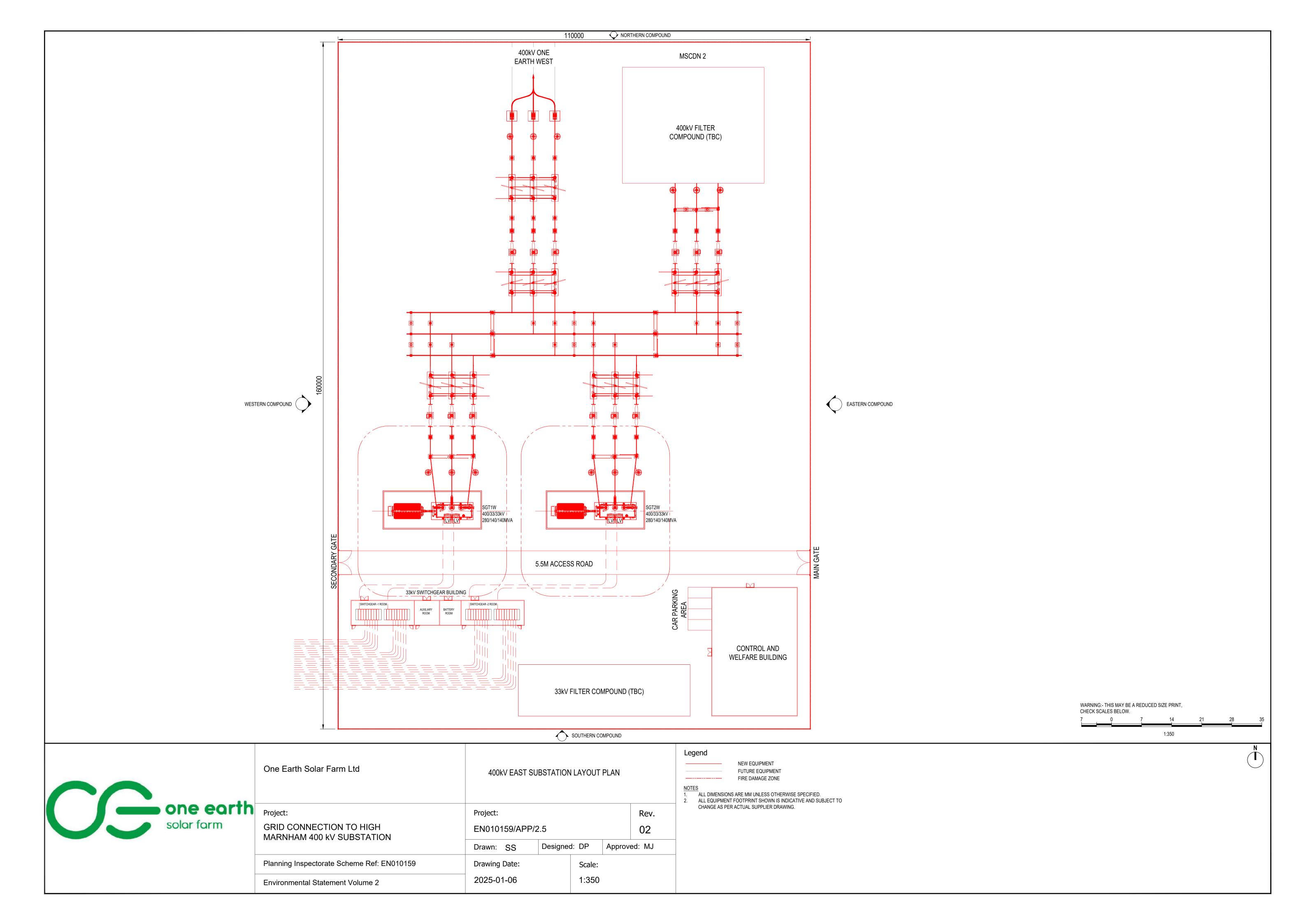


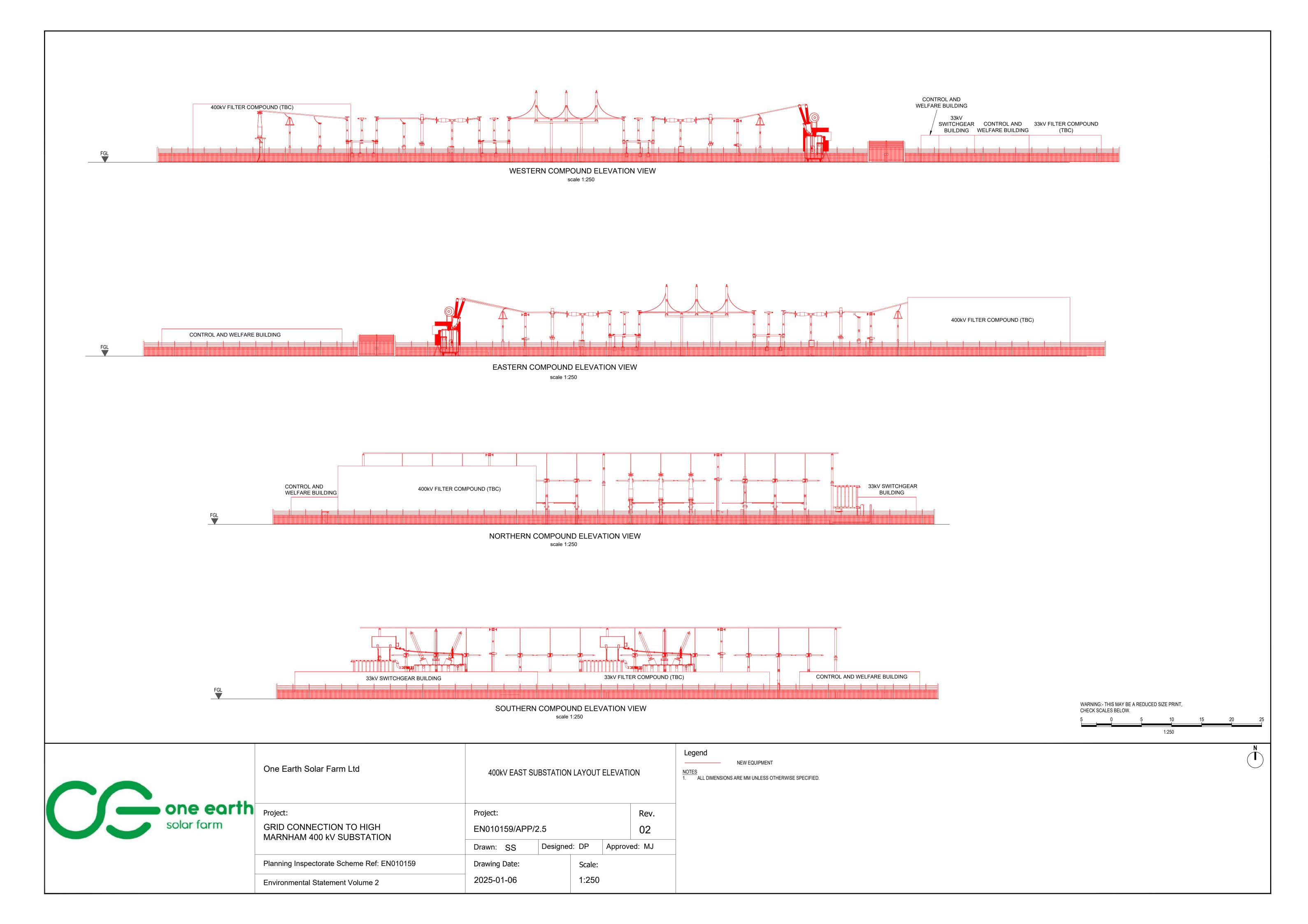


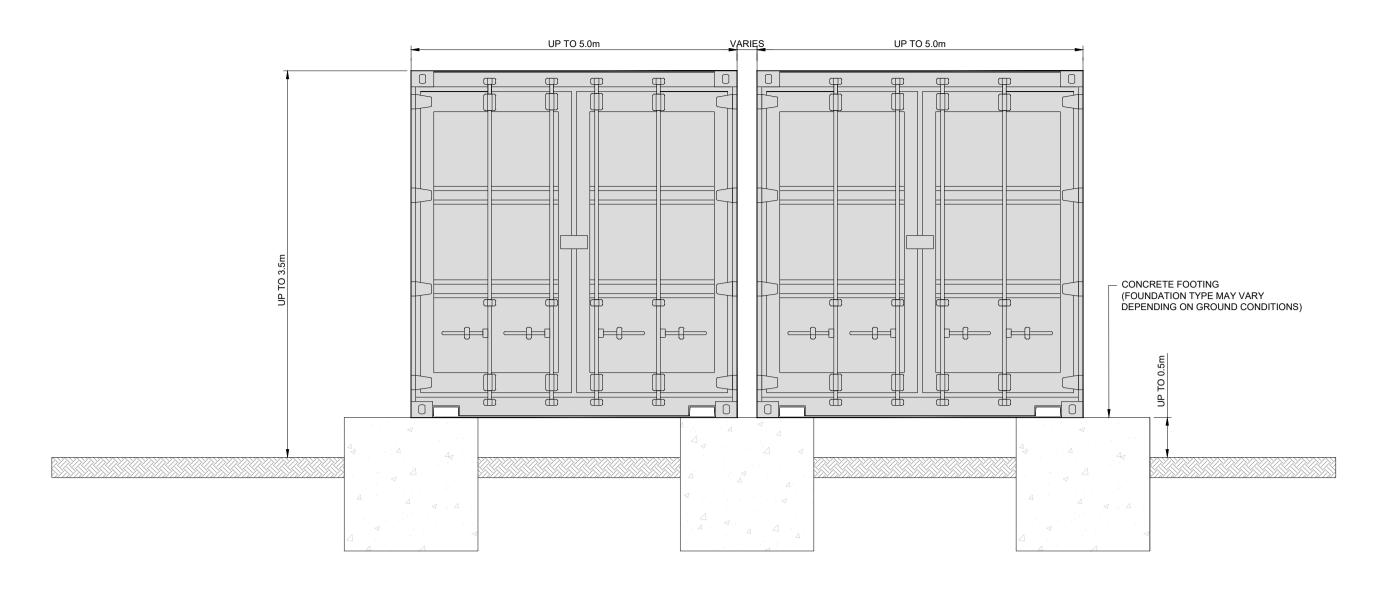




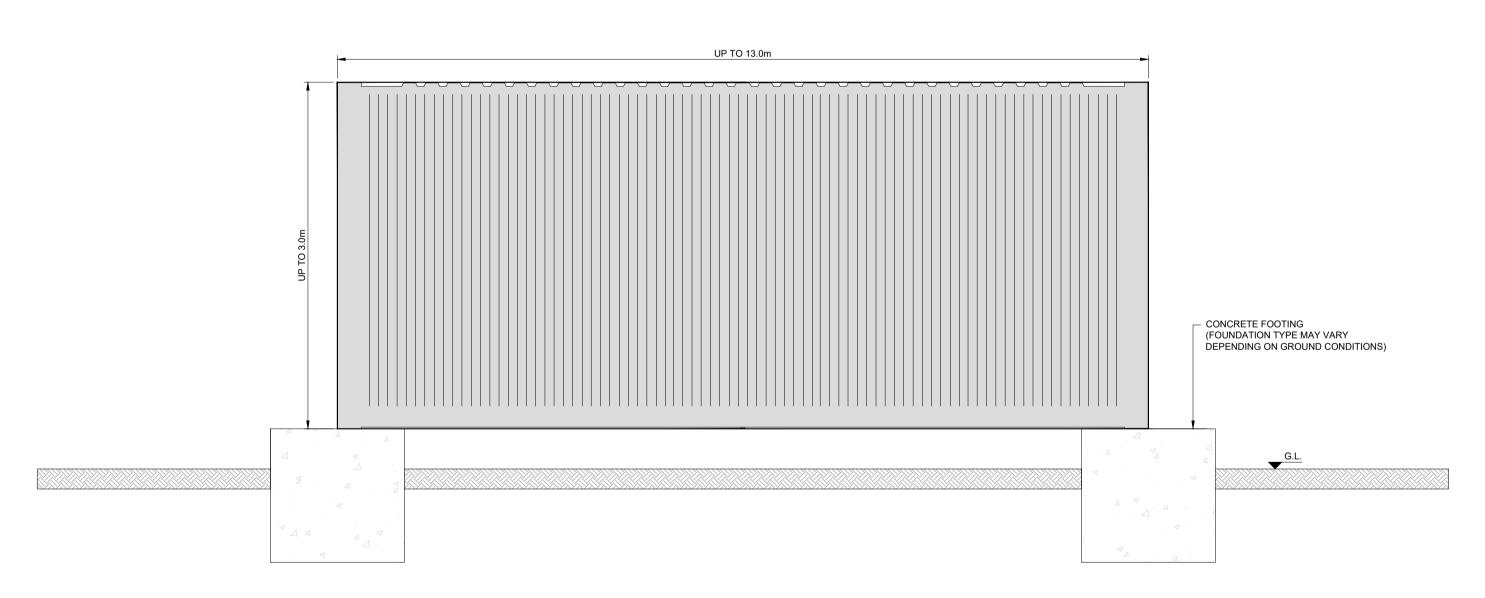








A BATTERY UNIT FRONT ELEVATION 2007 SCALE 1:20



B BATTERY UNIT SIDE ELEVATION

2007 SCALE 1:20

Legend

FOR INFORMATION ONLY

NOT FOR CONSTRUCTION



Client:
One Earth Solar Farm Ltd

Project:
One Earth Solar Farm

One Earth Solar Farm

Project:
One Earth Solar Farm

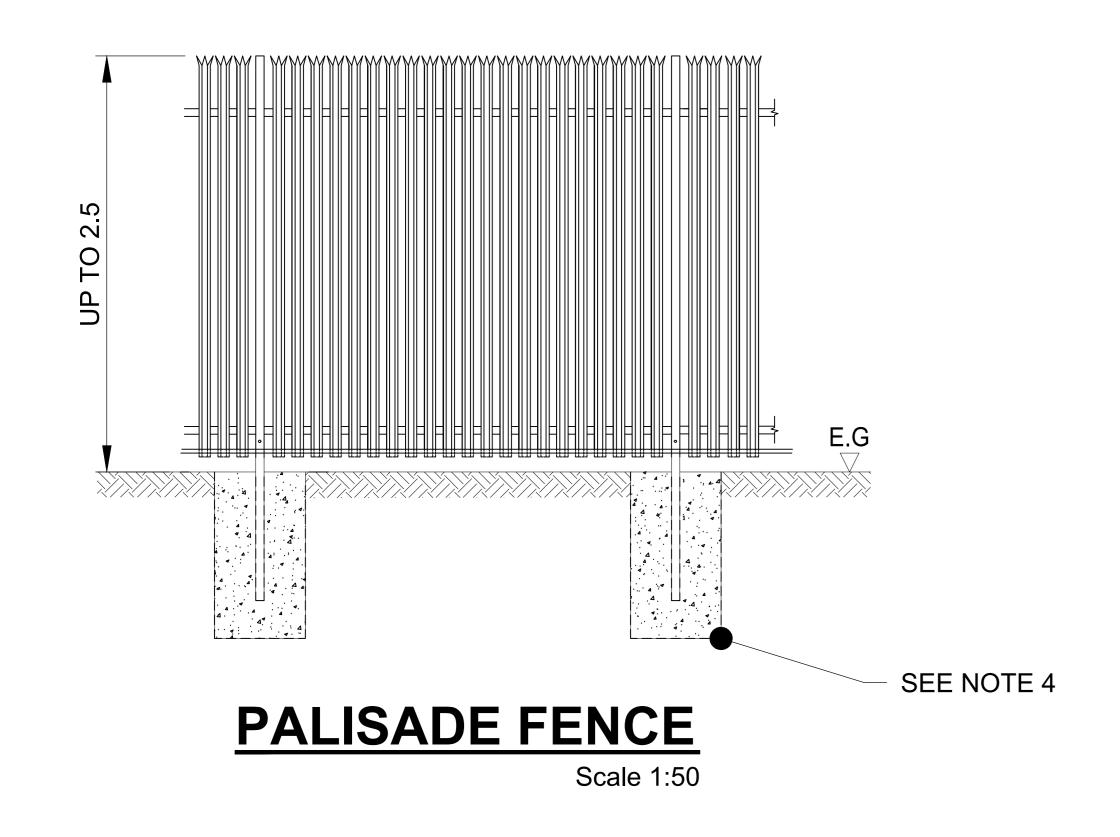
One Earth Solar Farm

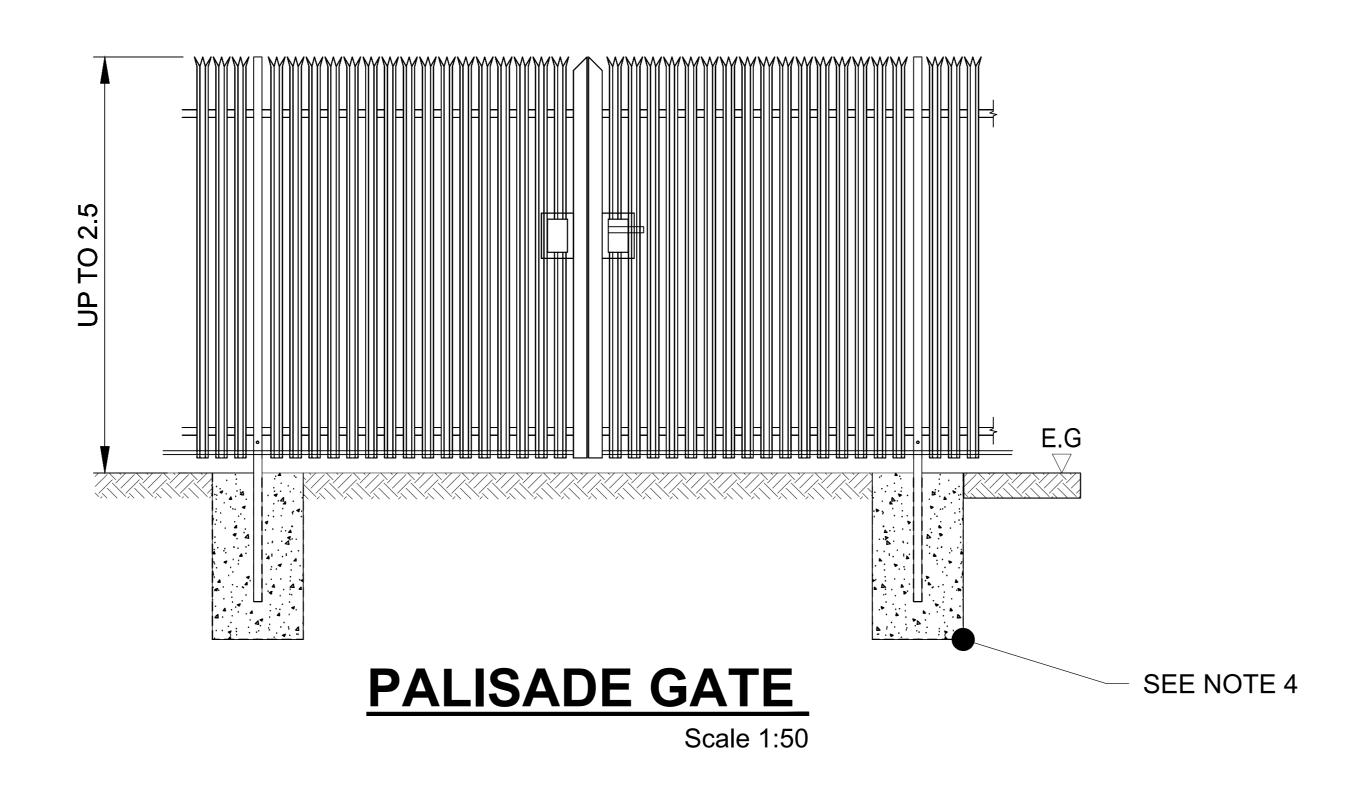
Project:
One Earth Solar Farm

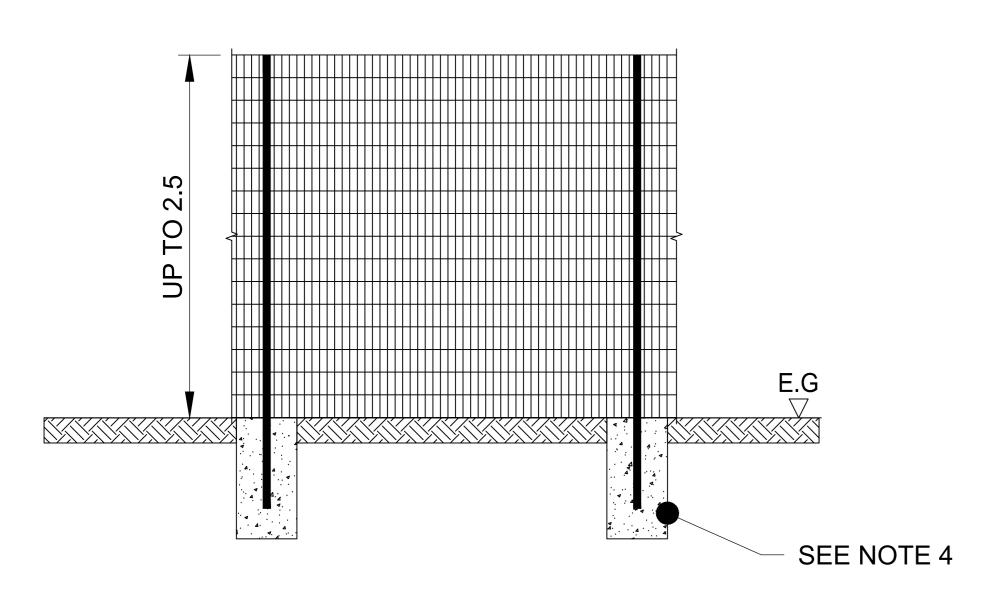
One Earth Sol

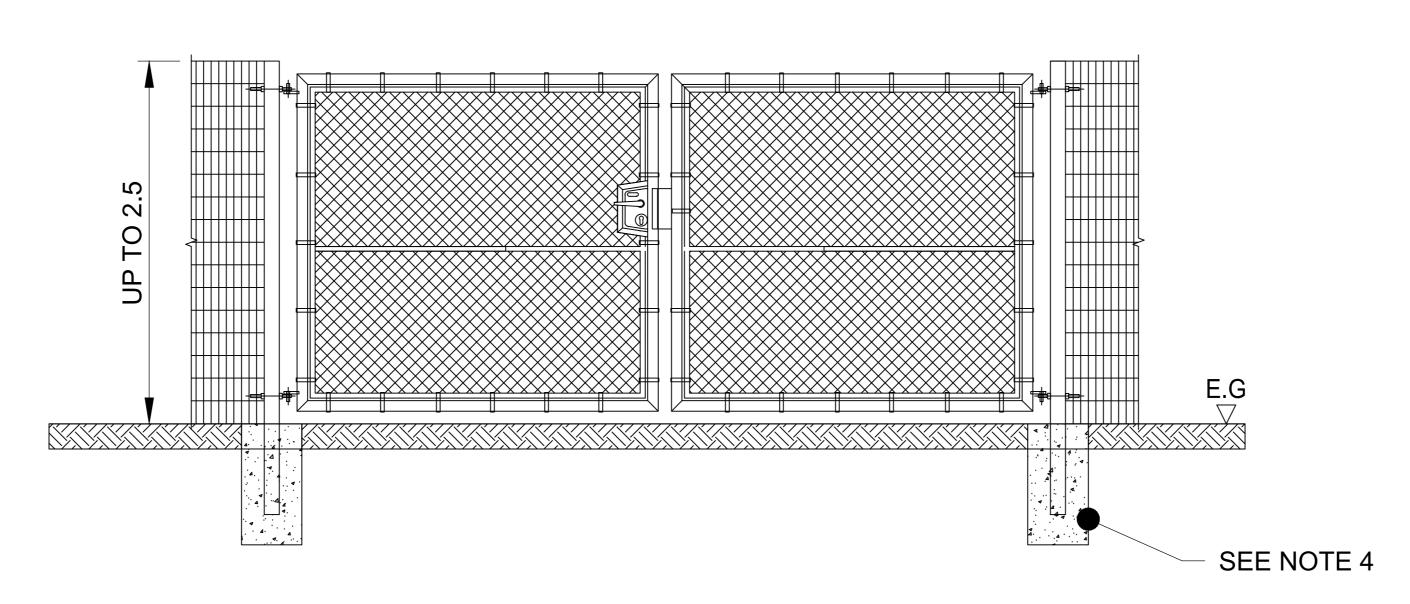
- DRAWING IS FOR INDICATIVE PURPOSES
 ONLY
- 3. DRAWING IS IN METERS (m) UNLESS OTHERWISE STATED
- DIMENSIONS SHOWN ARE INDICATIVE ONLY

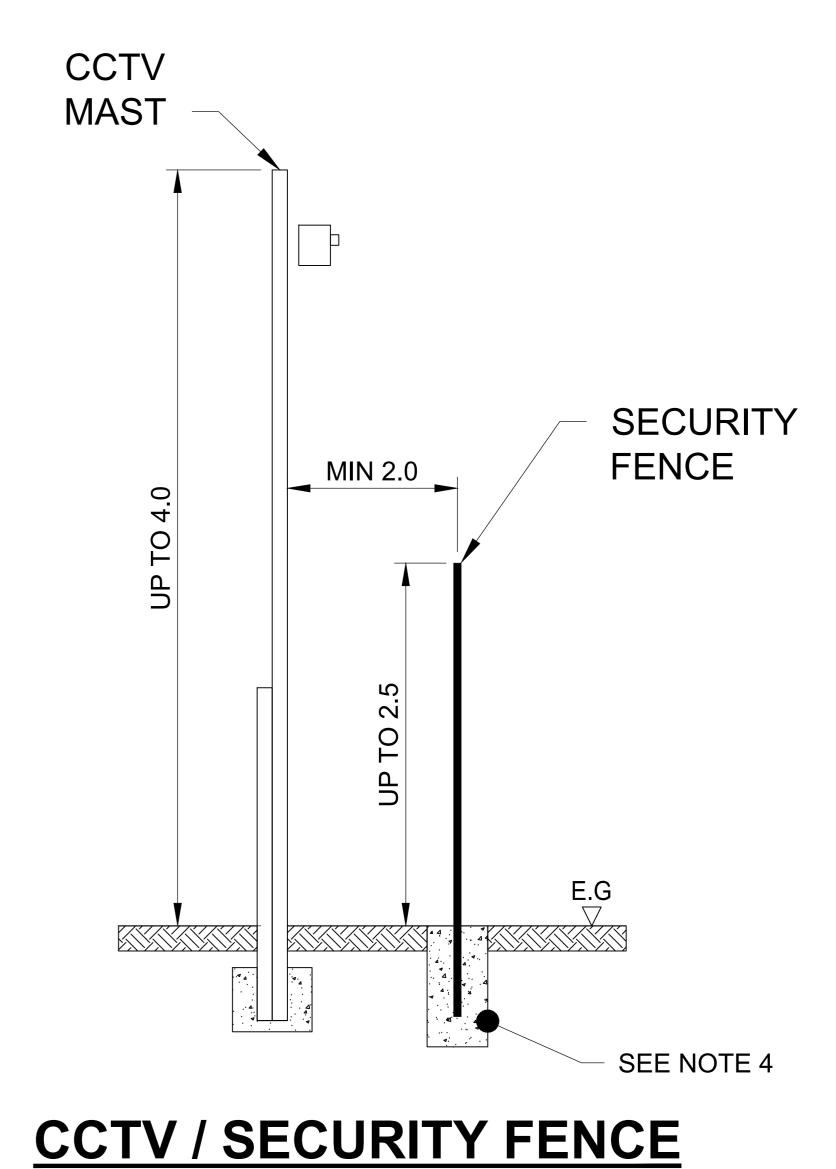
 AND SUBJECT TO FINAL DETAILED DESIGN.
- AND SUBJECT TO FINAL DETAILED DESIGN DIMENSIONS.
- 5. BESS UNIT FINISH FLOOR LEVEL SUBJECT TO AGREEMENT ON FINAL FLOOD DESIGN LEVEL.
- INDICATIVE FOUNDATION SHOWN. FINAL FOUNDATION SOLUTION TO BE CONFIRMED AT DETAILED DESIGN STAGE.



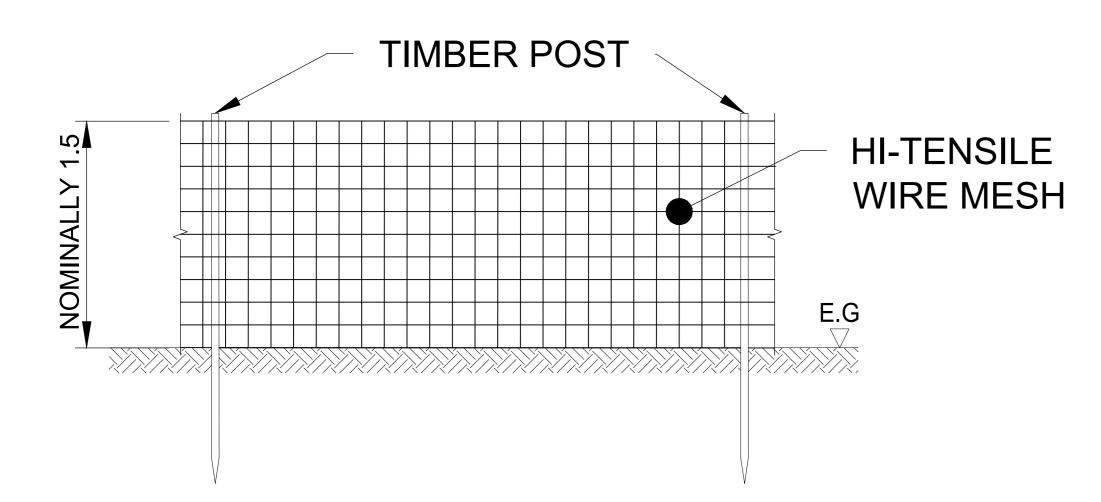








SECURITY FENCE

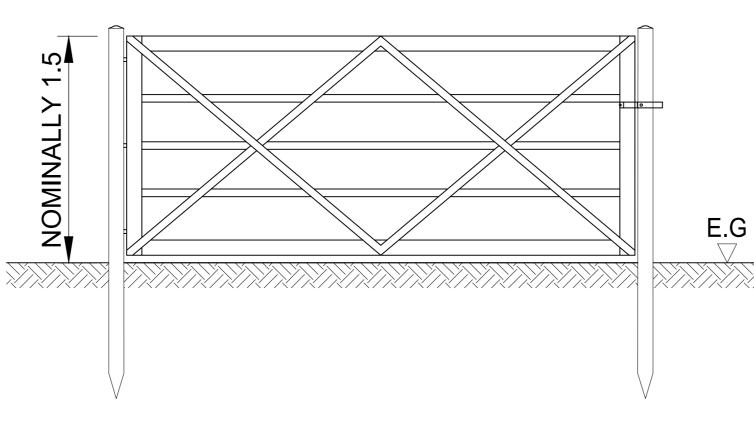


AGRICULTURAL FENCE

Scale 1:50

Scale 1:50





AGRICULTURAL GATE

Scale 1:50

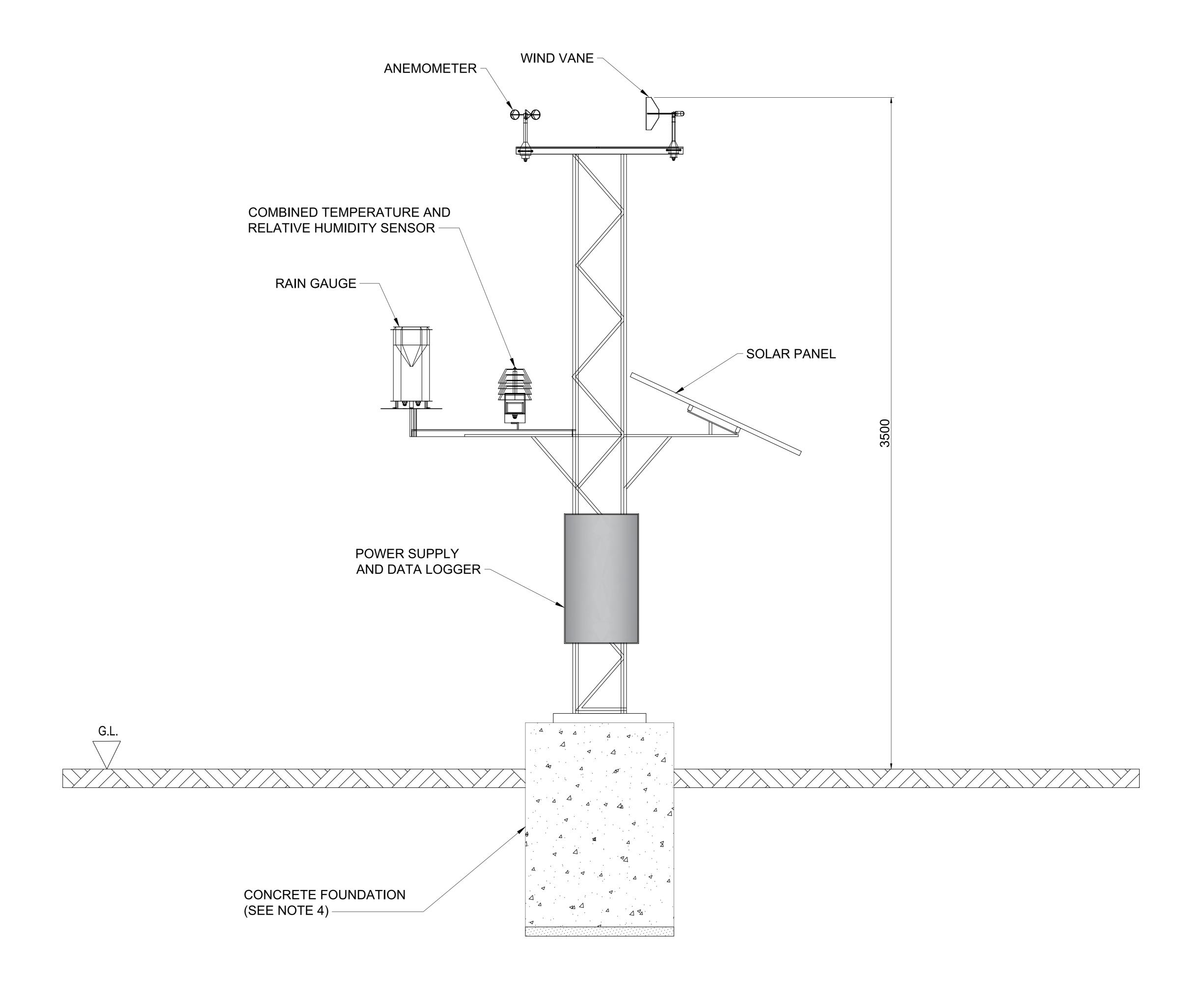
Legend





	Client: One Earth Solar Farm Ltd	Drawing Title: OE-ACM-R0-GE-DR-02008 Standard Fencing and Gate Details				
1	Project:	Project:				Rev.
	One Earth Solar Farm	EN010159/APP/7	.13			01
		Drawn: OK	Designed	13 01 Designed: JC Approved: DL Scale:		ed: DL
	Planning Inspectorate Scheme Ref:EN010159	Drawing Date:		Scale:		
	Environmental Statement Volume 2	2025-02-05		1:50 @ A		2.5 m

- Notes 1. DRAWING IS FOR INDICATIVE PURPOSES ONLY 2. ALL UNITS ARE IN METERS UNLESS OTHERWISE
- STATED 3. MAXIMUM HEIGHT OF SECURITY EQUIPMENT IS 4.0m ABOVE GROUND AND IS BASED ON THE
- WORST CASE DIMENSIONS AND LAYOUT. CONTRACTOR CAN DESIGN SYSTEM WITH LOWER OVERALL HEIGHT.
- 4. INDICATIVE FOUNDATION SHOWN. FINAL FOUNDATION DESIGN TO BE CONFIRMED AT DETAILED DESIGN STAGE.





Legend

(FOR INFORMATION ONLY) (NOT FOR CONSTRUCTION)

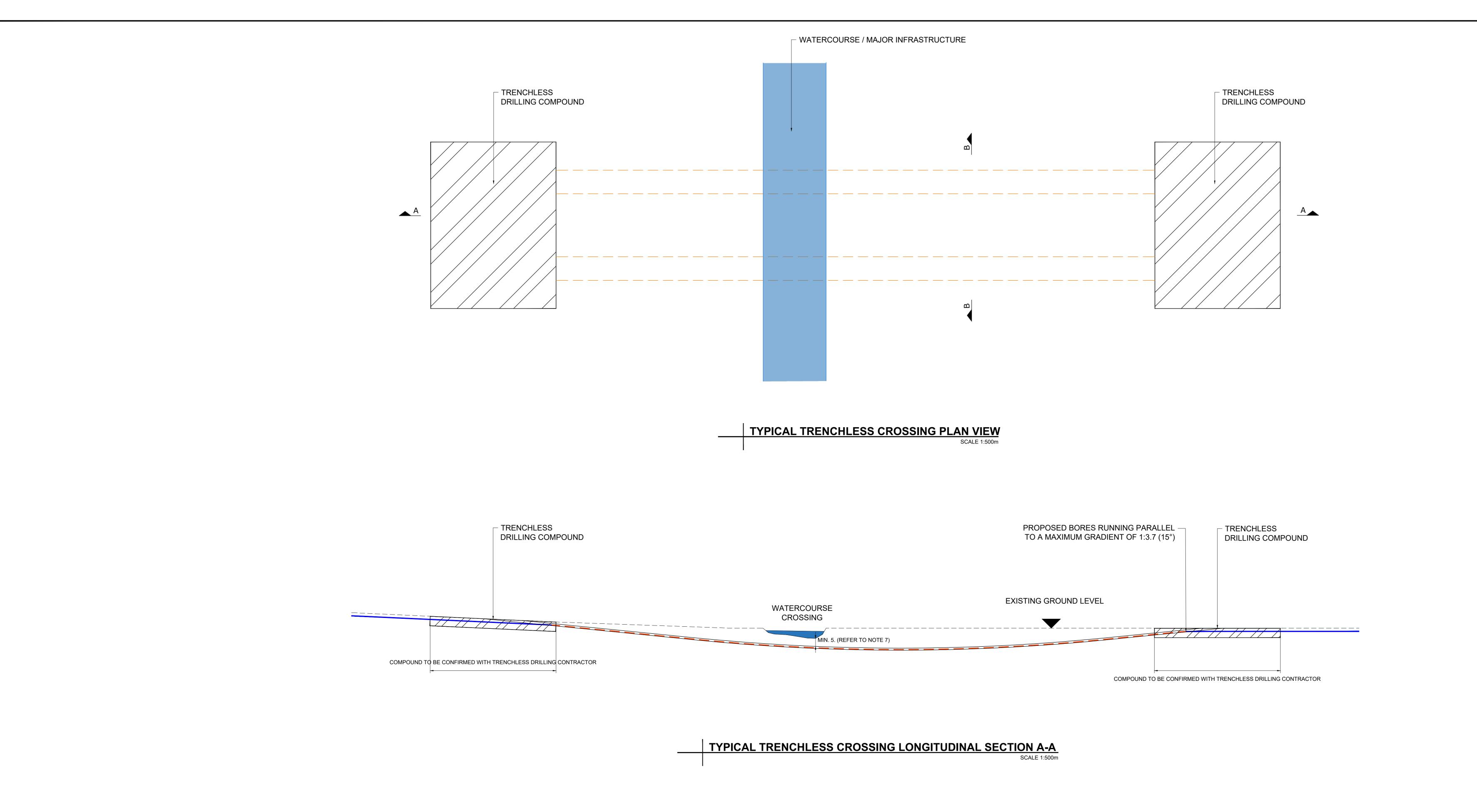


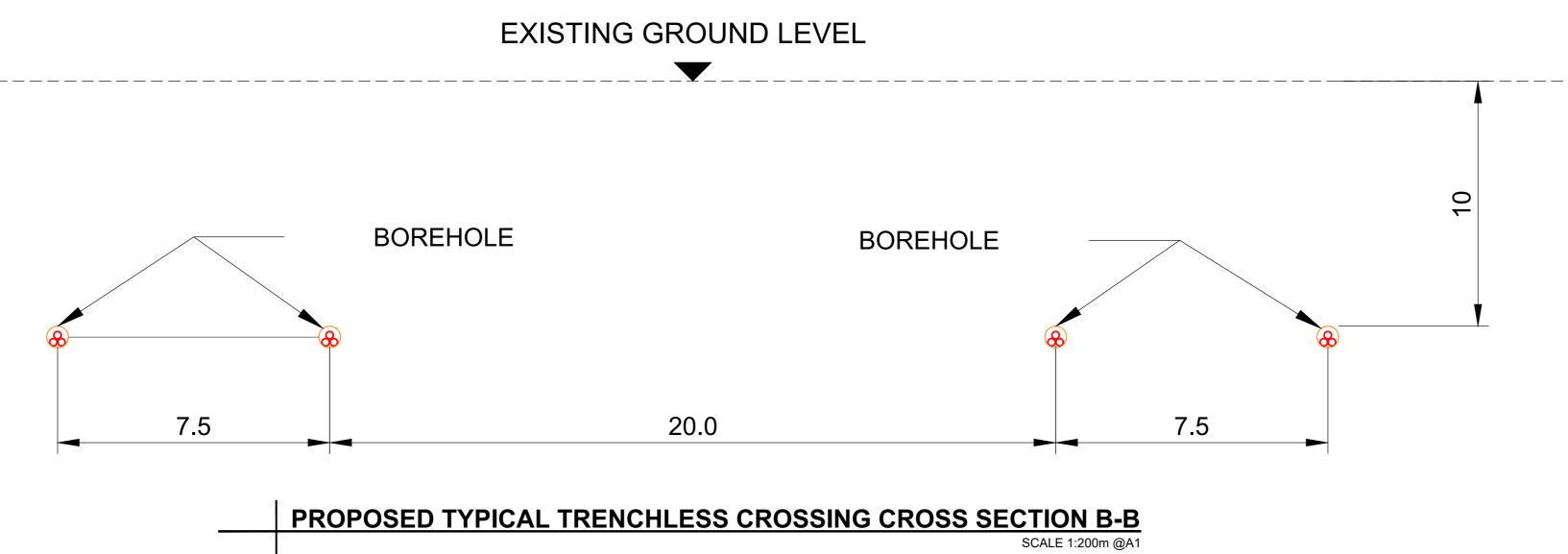
	Client: One Earth Solar Farm Ltd	Drawing Title: OE-ACM-R0-GE-DR-02007 Weather Station Typical Detail				
h	Project:	Project:		Rev.		
	One Earth Solar Farm	EN010159/APP/7	.13 01			01
		Drawn: OK	Designed: JC Approved:		ed: DL	
	Planning Inspectorate Scheme Ref:EN010159	Drawing Date:				
	Environmental Statement Volume 2	2025-01-21		NTS		

Notes

1. DRAWING IS FOR INDICATIVE PURPOSES

- UNITS ARE IN MILLIMETERS (MM) UNLESS OTHERWISE STATED.
- 3. DRAWING IS NOT TO SCALE.
- 4. DEPTH AND SIZE OF FOUNDATIONS WILL
- VARY DEPENDING ON GROUND CONDITIONS AND WIND LOADING.



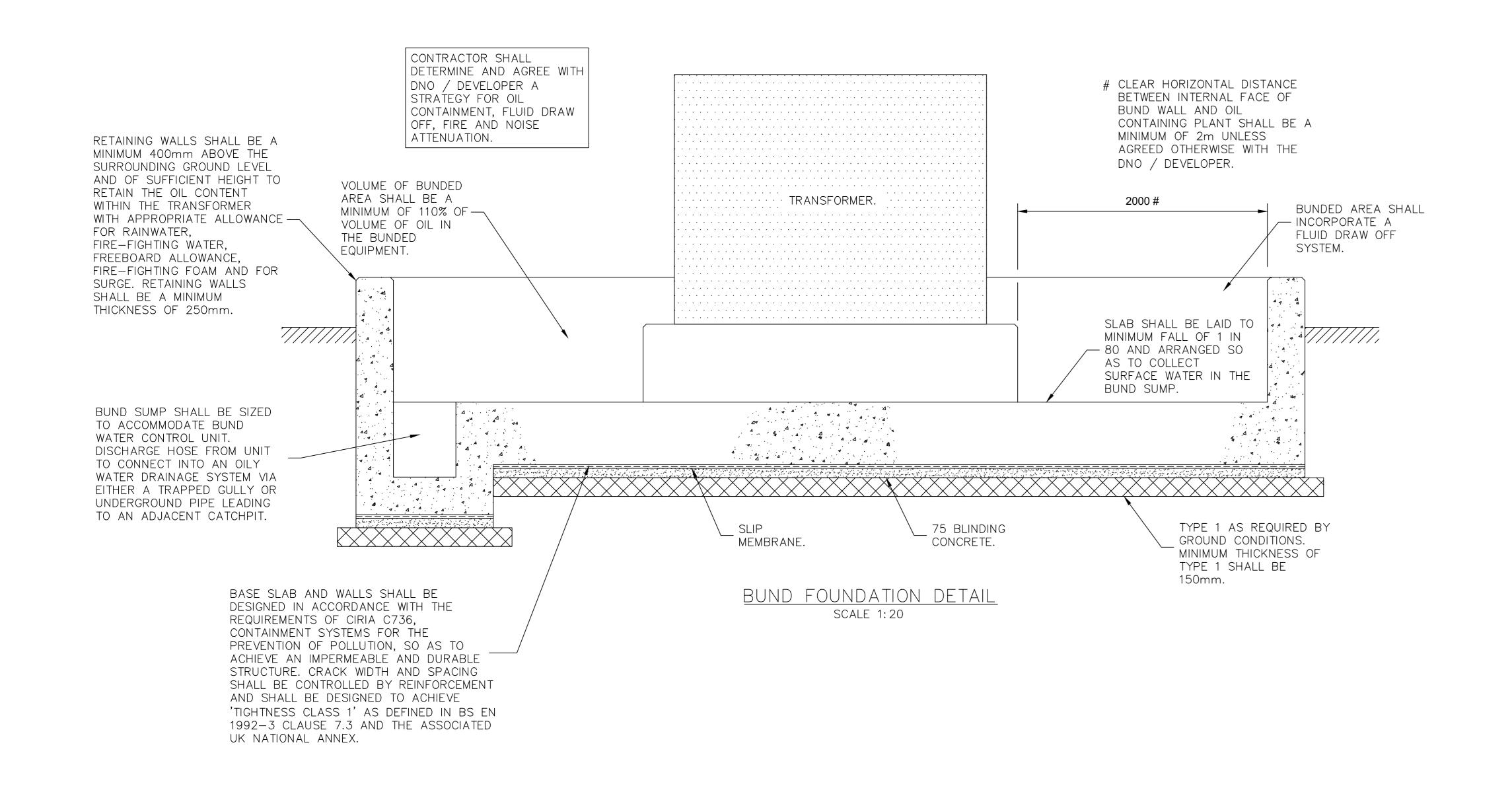


(FOR INFORMATION ONLY) (NOT FOR CONSTRUCTION



Drawing Title: Client: Legend OE-ACM-R0-GE-DR-02006 One Earth Solar Farm Ltd ---- EXISTING LEVEL Typical Trenchless Crossing Section BOREHOLE OPEN CUT TRENCH Project: Rev. One Earth Solar Farm EN010159/APP/7.13 Designed: JC Approved: DL Drawn: OK Planning Inspectorate Scheme Ref:EN010159 Drawing Date: 2025-02-05 **Environmental Statement Volume 2**

- 1. ALL DIMENSIONS ARE IN METERS UNLESS STATED OTHERWISE.
- 2. DRAWING IS FOR INDICATIVE PURPOSES ONLY. TRENCHLESS DRILLING DETAILS ARE TO BE CONFIRMED IN LATER DESIGN STAGES AND WITH TRENCHLESS DRILLING CONTRACTOR.
- 3. TRENCHLESS DRILLING LENGTH IS SUBJECT TO SITE CONDITIONS AND IDENTIFIED CONSTRAINTS.
- 4. GROUND INVESTIGATION INFORMATION NOT AVAILABLE AT THE TIME OF DRAWING PRODUCTION. TRENCHLESS DRILLING DESIGN IS SUBJECT TO GROUND INVESTIGATION FINDINGS AND FURTHER
- TOPOGRAPHICAL SURVEY. 5. CABLE SIZING, TYPE, CONFIGURATION AND MAXIMMUM DEPTHS ARE
- SUBJECT TO SPECIFICATIONS OUTLINED IN CABLE CALCULATIONS.
- 6. TRENCHLESS CROSSING LOCATIONS TO BE IDENTIFIED AT LATER DESIGN STAGES.
- 7. ACTUAL TRENCHLESS BOREHOLE DEPTH BELOW WATERCOURSE TO BE NO LESS THAN 5M. THIS IS SUBJECT TO FINAL DESIGN TO SUIT GROUND CONDITIONS AND CABLE RATING REQUIREMENTS.



NOTES (CONT.)

FOUNDATIONS.

PLANNING REQUIREMENTS:

THE CONTRACTOR SHALL DESIGN AND CONSTRUCT ALL WORKS IN ACCORDANCE WITH THE REQUIREMENTS OF THE PLANNING CONDITIONS FOR THE SITE SO AS TO ALLOW THE DEVELOPER TO DISCHARGE THESE CONDITIONS IN ORDER TO OPERATE THE SITE.

PERFORMANCE REQUIREMENTS:

- DESIGN LIFE FOR ALL STRUCTURAL ELEMENTS SHALL BE 40 YEARS.
- ALL CONCRETE STRUCTURES SHALL BE DESIGNED IN ACCORDANCE WITH BS EN 1992-1-1:2023 EUROCODE 2 AND ASSOCIATED UK NATIONAL ANNEX.
- ALL BELOW GROUND WORKS SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF BS 8005:2015 CODE OF PRACTICE FOR FOUNDATIONS.
- 4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR: SATISFYING THEMSELVES AS TO THE GROUND CONDITIONS ON THE SITE (INCLUDING THE PRESENCE OF
- ANY GROUND CONTAMINATION); ARRANGING AND UNDERTAKING ANY ADDITIONAL GROUND INVESTIGATION WORK REQUIRED TO COMPLETE
- THE DESIGN OF ALL FOUNDATIONS ON THE SITE; AND THE DESIGN OF ALL FOUNDATIONS ON THE SITE. THE CONTRACTOR SHALL ASCERTAIN THE SPECIFIC REQUIREMENTS OF THE DNO / DEVELOPER AND SHALL ENSURE THAT ALL WORKS TO BE ADOPTED BY THE DNO /
- ACCORDANCE WITH THEIR REQUIREMENTS. THE CONTRACTOR SHALL ASCERTAIN THE SETTLEMENT CRITERIA FOR PLANT AND EQUIPMENT AND SHALL ENSURE THAT THIS IS INCORPORATED INTO THE DESIGN OF THE

DEVELOPER ARE DESIGNED AND CONSTRUCTED IN

- THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE APPROPRIATE DESIGN CHEMICAL (DC) CLASS FOR ALL CONCRETE IN CONTACT WITH THE GROUND IN ACCORDANCE WITH THE REQUIREMENTS OF BRE SPECIAL DIGEST 1, CONCRETE IN AGGRESSIVE GROUND.
- 3RD EDITION. THE CONTRACTOR SHALL REFER TO THE M&E DRAWINGS FOR DETAILS OF THE LIGHTNING PROTECTION REQUIREMENTS AND FOR ALL INCOMING AND OUTGOING SERVICES REQUIRED TO BE INCORPORATED INTO THE CONCRETE WORKS.

THE CONTRACTOR SHALL DETERMINE AND AGREE EARTHING REQUIREMENTS FOR THE CIVIL WORKS WITH THE PLANT AND EQUIPMENT SUPPLIERS.

MATERIAL AND WORKMANSHIP REQUIREMENTS:

- ALL CONCRETE SHALL BE PRODUCED IN ACCORDANCE WITH THE RELEVANT CLAUSES OF BS EN 206:2013+A2:2021, BS 8500-1:2023 AND BS 8500-2:2023.
- MAXIMUM NOMINAL AGGREGATE SIZE TO BE 20MM. MINIMUM CONCRETE GRADES ARE STATED BELOW. THE CONTRACTOR IS TO CONFIRM SUITABILITY FOR DESIGN REQUIREMENTS
- FOUNDATIONS = C32/40
- MASS FILL / TRENCH FILL = GEN3 BLINDING = GEN 3
- 4. THE FOLLOWING MATERIALS SHALL NOT BE USED:- HIGH ALUMINA CEMENT, CALCIUM SILICATE BRICKS, CEMENT CONTAINING ADDED CALCIUM CHLORIDE AS A SETTING AGENT, CONCRETE MADE WITH AGGREGATE CONTAINING SILICA, WOODWOOL SLABS FOR PERMANENT SHUTTERING POLYISOCYANURATE OR UREA FORMALDEHYDE FOAM, ASBESTOS OR ASBESTOS PRODUCTS,
- CHLOROFLUORCARBONS OR DELETERIOUS MATERIALS. THE USE OF GROUND GRANULATED BLAST FURNACE SLAG OR PULVERISED FUEL ASH AS PART REPLACEMENT FOR ORDINARY PORTLAND CEMENT SHALL ONLY BE PERMITTED
- WITH THE PRIOR APPROVAL OF THE DEVELOPER. 6. ALL DUCT AND CABLE ENTRIES SHALL BE SEALED USING A
- PROPRIETARY SYSTEM AFTER CABLE INSTALLATION. THE EXTERNAL CONCRETE EDGES SHALL BE CHAMFERED WITH 25MM X 25MM CHAMFER.
- 8. THE SURFACE OF ALL EXTERNAL SLABS SHALL BE LAID TO ACHIEVE THE REQUIREMENTS OF THE EQUIPMENT SUPPLIER. IN LIEU OF SPECIFIED LIMITS A MINIMUM FALL OF 1:80 SHALL BE ACHIEVED. SURFACES SHALL BE FINISHED WITH A BRUSH FINISH IN THE DIRECTION OF THE FALL AND A PLAIN SMOOTH TROWELLED FINISH AROUND THE PERIMETER OF THE SLAB. THE SURFACE OF ANY PLINTHS SHALL ALSO HAVE A PLAIN SMOOTH TROWELLED FINISH.

TEMPORARY WORKS REQUIREMENTS:

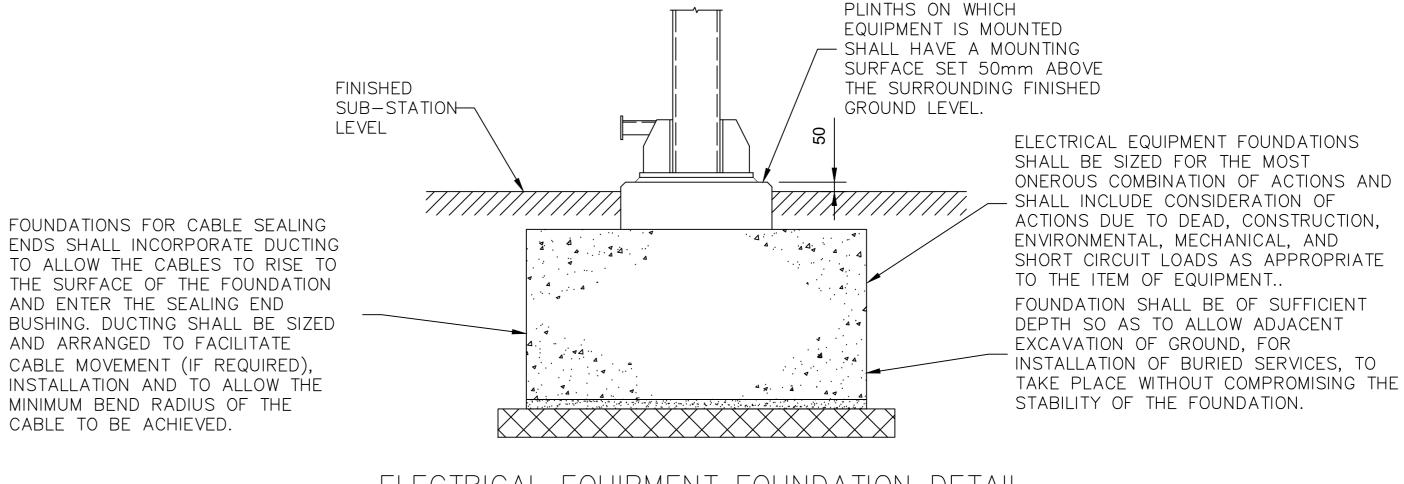
THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN AND IMPLEMENTATION OF ALL TEMPORARY WORKS ON THE SITE DURING THE CONSTRUCTION PERIOD. THIS SHALL TYPICALLY INCLUDE RESPONSIBILITY FOR STABILITY

OF THE BUILDINGS, EQUIPMENT AND EXCAVATIONS DURING THE CONSTRUCTION PERIOD.

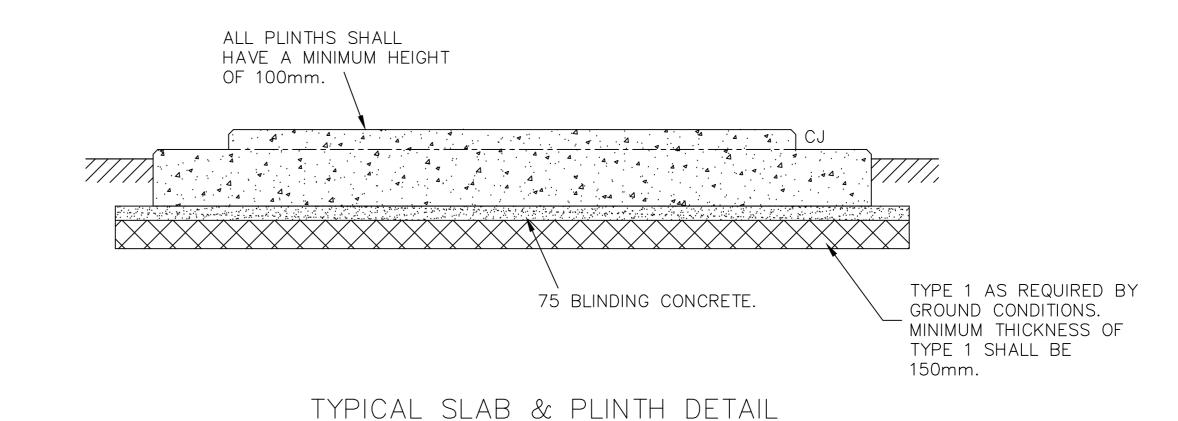
SUSTAINABILITY:

1. THE CONTRACTOR SHALL DEVELOP A LOW-CARBON DESIGN FOR THE CIVIL INFRASTRUCTURE IN ACCORDANCE WITH THE RECOMMENDATIONS OF PUBLICLY AVAILABLE SPECIFICATION (PAS) 2080 (CARBON MANAGEMENT IN

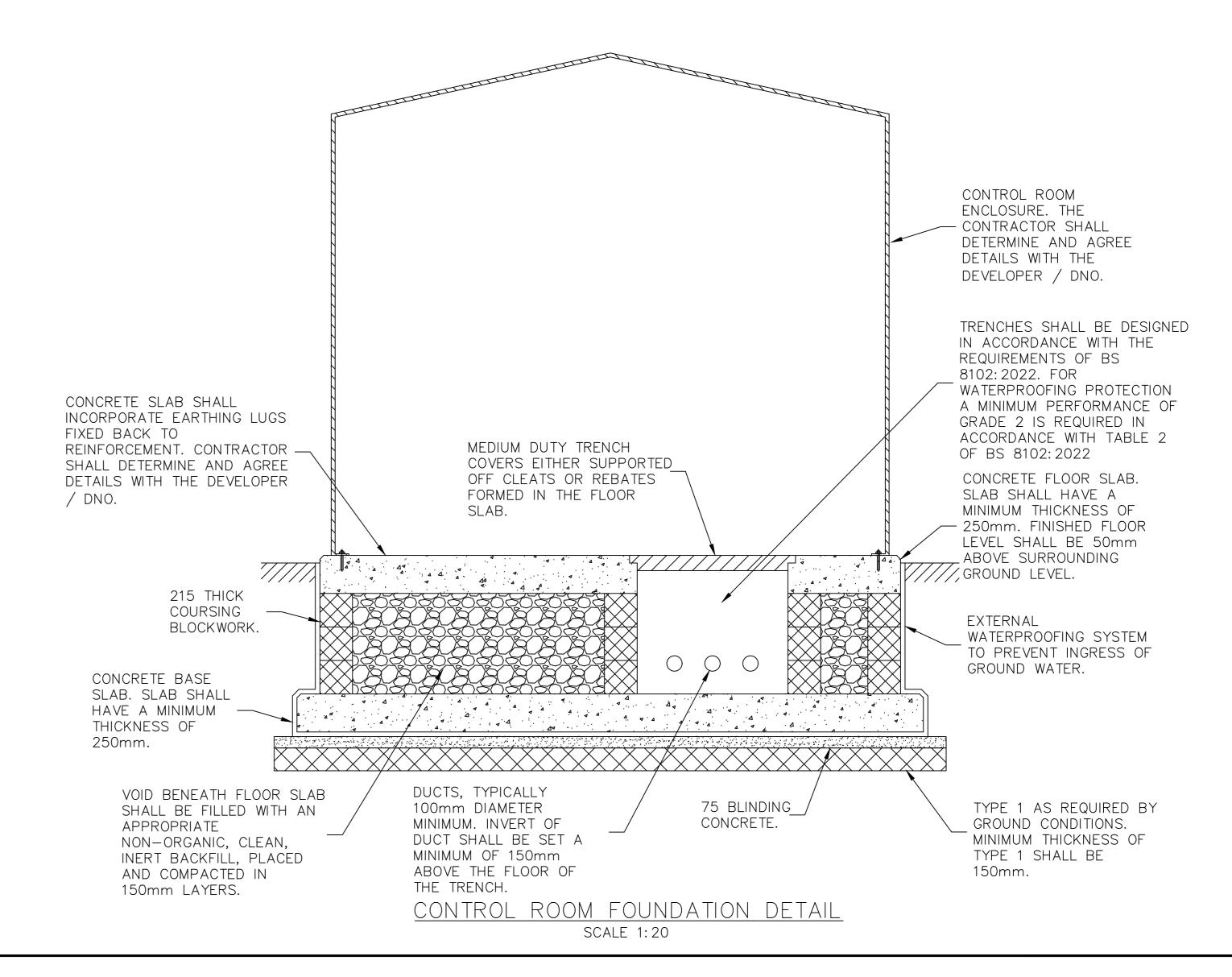
BUILDINGS AND INFRASTRUCTURE).



ELECTRICAL EQUIPMENT FOUNDATION DETAIL SCALE 1:20



SCALE 1:20

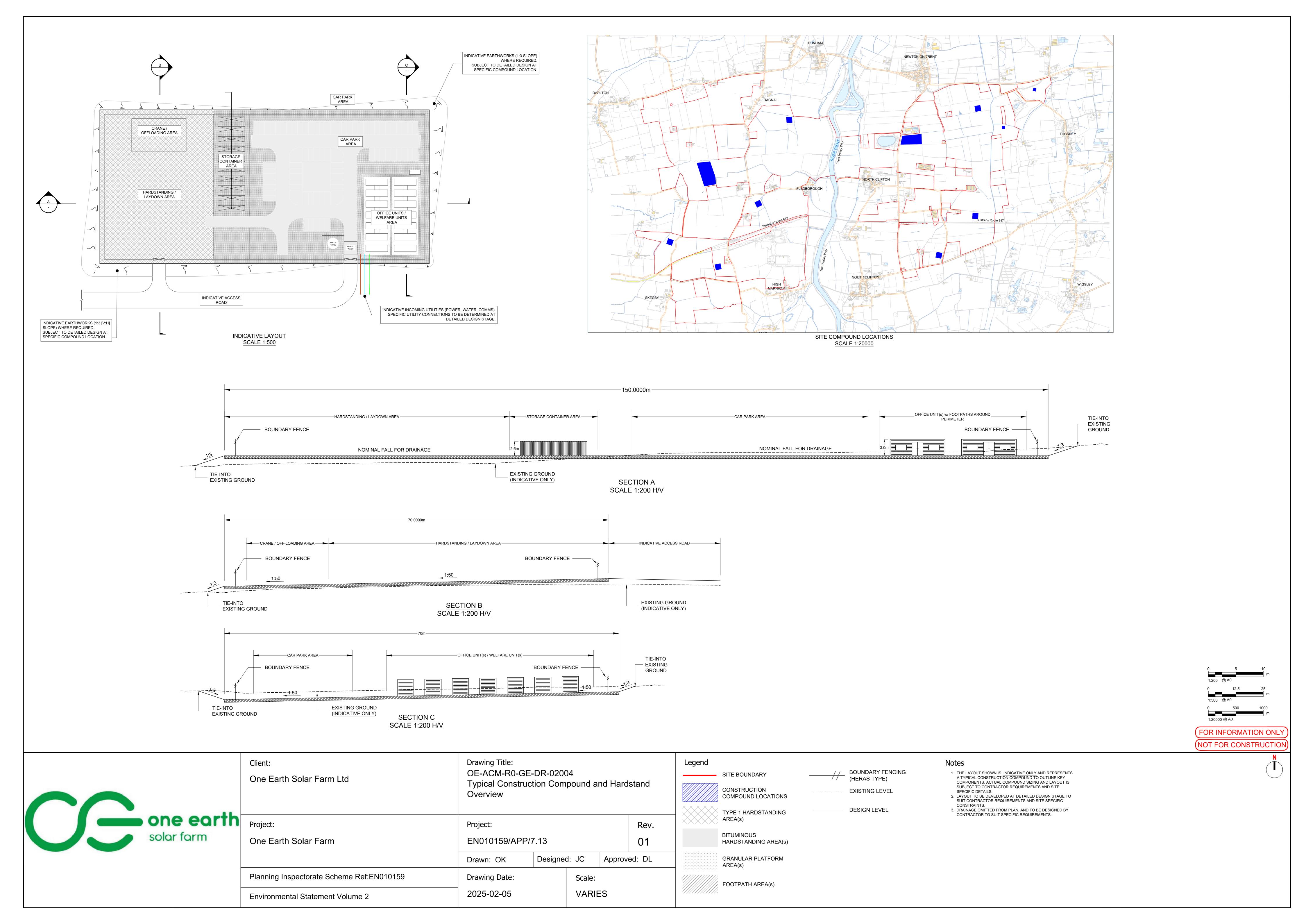


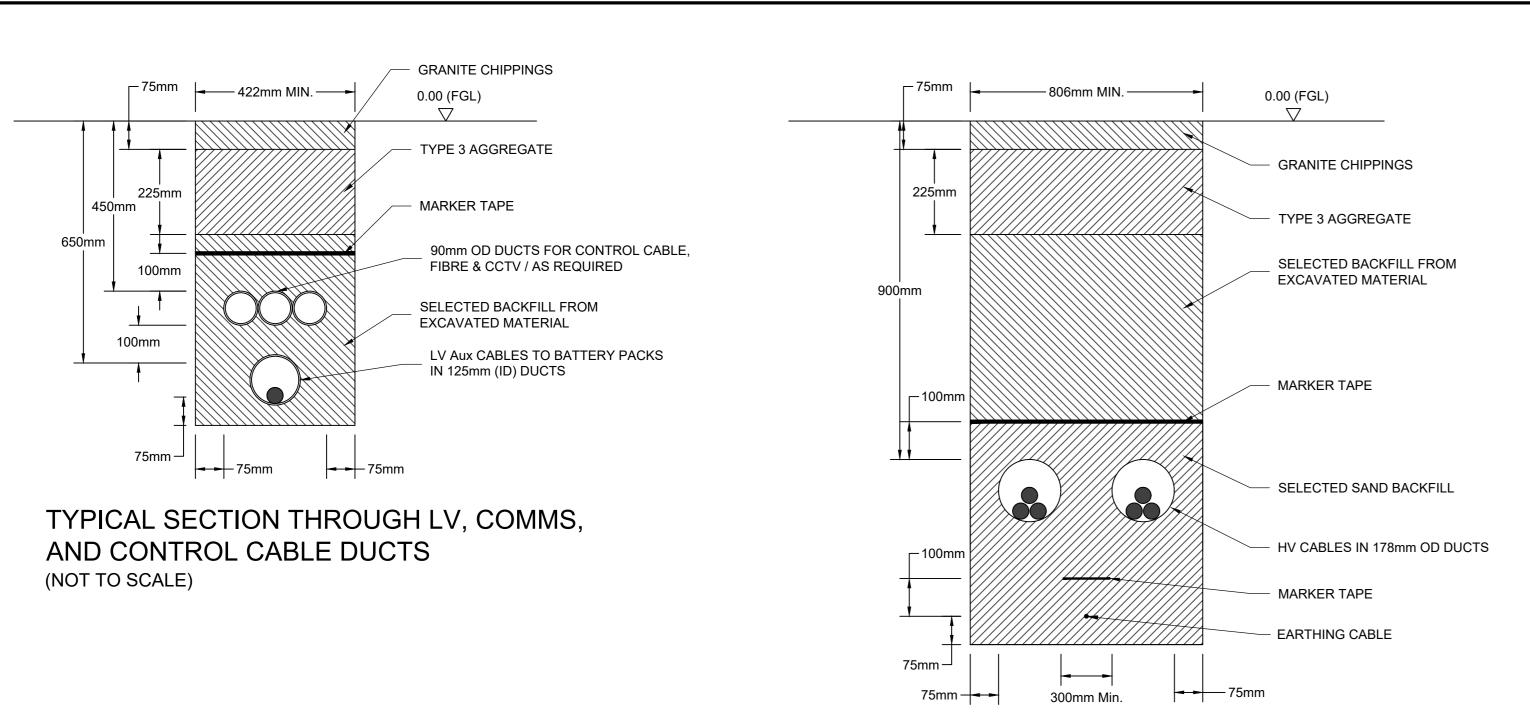
FOR INFORMATION ONLY NOT FOR CONSTRUCTION



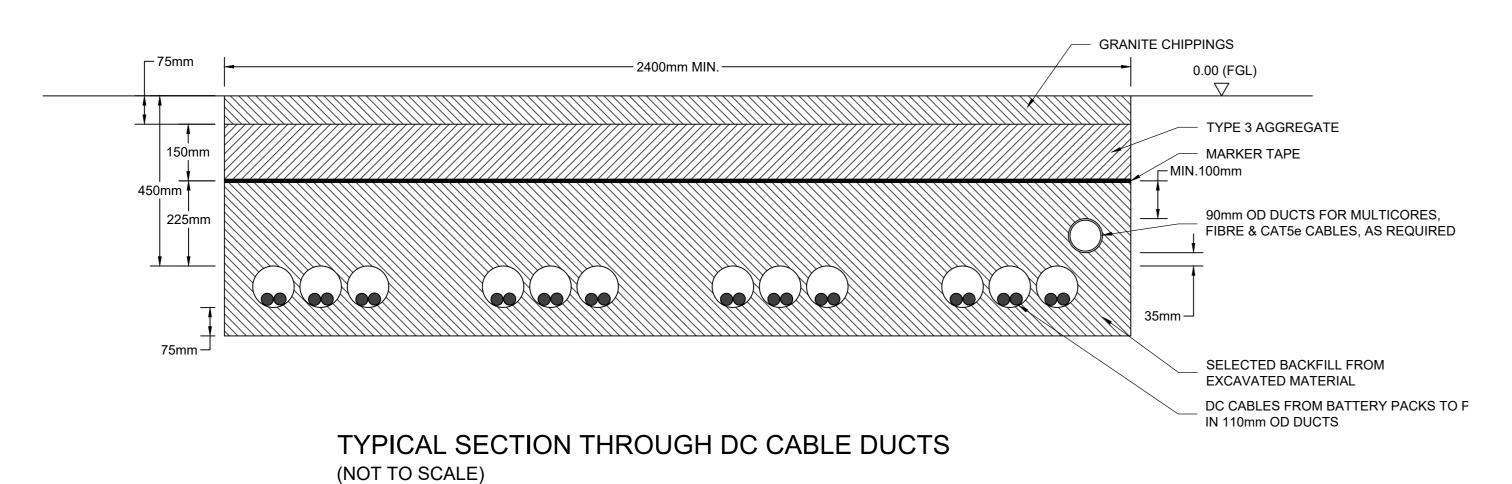
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Project: One Earth Solar Farm	Project: EN010159/APP/7.13				Rev.
Planning Inspectorate Scheme Ref:EN010159 Environmental Statement Volume 2	Drawn: OK Drawing Date: 2025-02-05	Designed: JC Approved: DL Scale: 0 500 1000 1:20 @ A0		000	

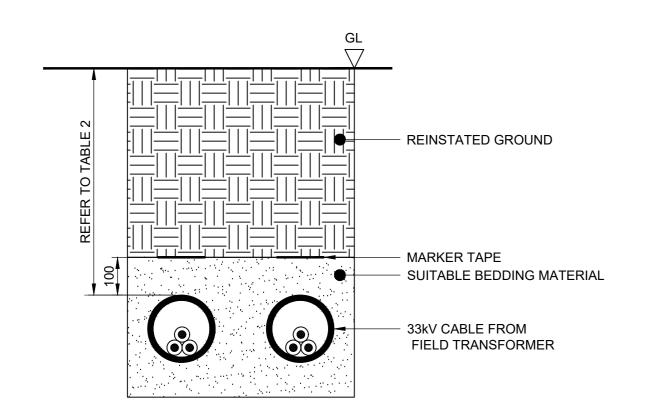
- DRAWING IS FOR INDICATIVE PURPOSES ONLY
- 2. DEFINITION OF THE TERMS: THE DEVELOPER REFERS TO ONE EARTH SOLAR FARM
- THE CONTRACTOR REFERS TO THE DESIGN AND BUILD
- CONTRACTOR. THE SITE REFERS TO THE EXTENTS OF ONE EARTH
- SOLAR FARM. 3. ALL WORKS ON OR NEAR UNDERGROUND SERVICES SHALL BE
- CARRIED OUT IN ACCORDANCE WITH HSG 47, AVOIDING DANGER FROM UNDERGROUND SERVICES. 4. ALL WORKS BY THE CONTRACTOR SHALL BE CARRIED OUT IN
- SUCH A WAY THAT ALL REQUIREMENTS UNDER THE HEALTH AND SAFETY AT WORK ACT ARE SATISFIED. ALL WORKS SHALL ALSO BE CARRIED OUT IN COMPLIANCE WITH THE
- REQUIREMENTS OF THE STATUTORY AUTHORITIES AND THE CONSTRUCTION (DESIGN AND MANAGEMENT) REGULATIONS.
- 5. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS NOTED OTHERWISE.
- DO NOT SCALE FROM THIS DRAWING. 7. THIS DRAWING AND DESIGN REQUIREMENTS SHOULD BE READ IN CONJUNCTION WITH THE ASSOCIATED AECOM TECHNICAL
- NOTE AND EMPLOYERS REQUIREMENTS. 8. ALL WORKS SHALL BE CARRIED OUT BY A COMPETENT CONTRACTOR WORKING UNDER A SAFE SYSTEM OF WORK.





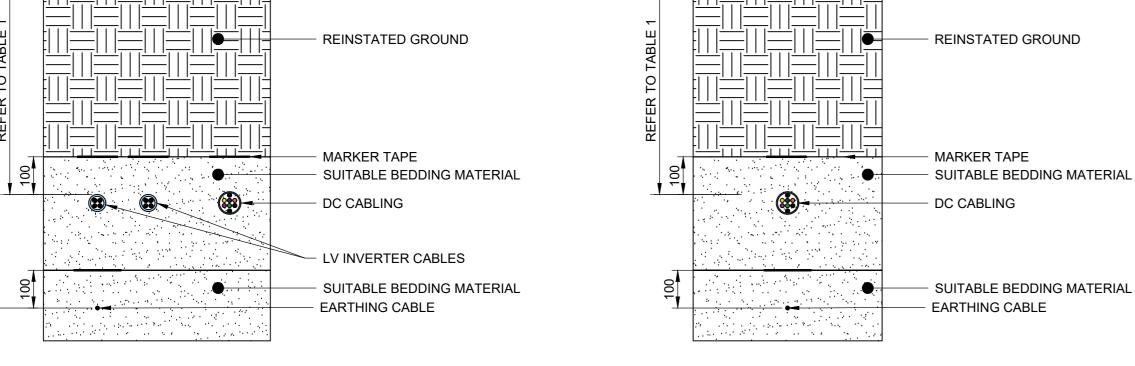
TYPICAL SECTION THROUGH HV CABLE DUCTS (NOT TO SCALE)





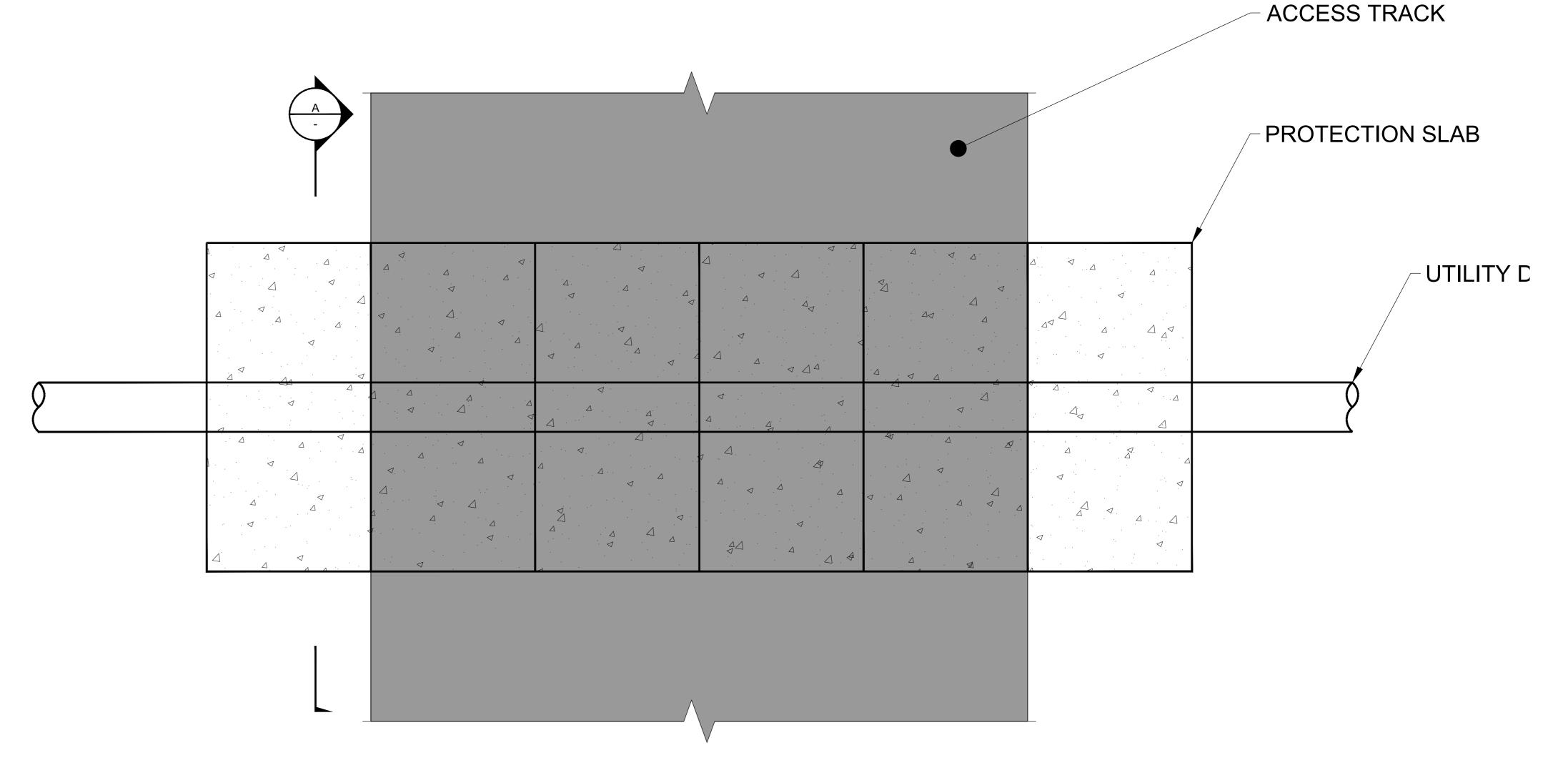
33kV AC CABLE TRENCH TO SUBSTATION (NOT TO SCALE)

- REINSTATED GROUND SUITABLE BEDDING MATERIAL - LV INVERTER CABLES

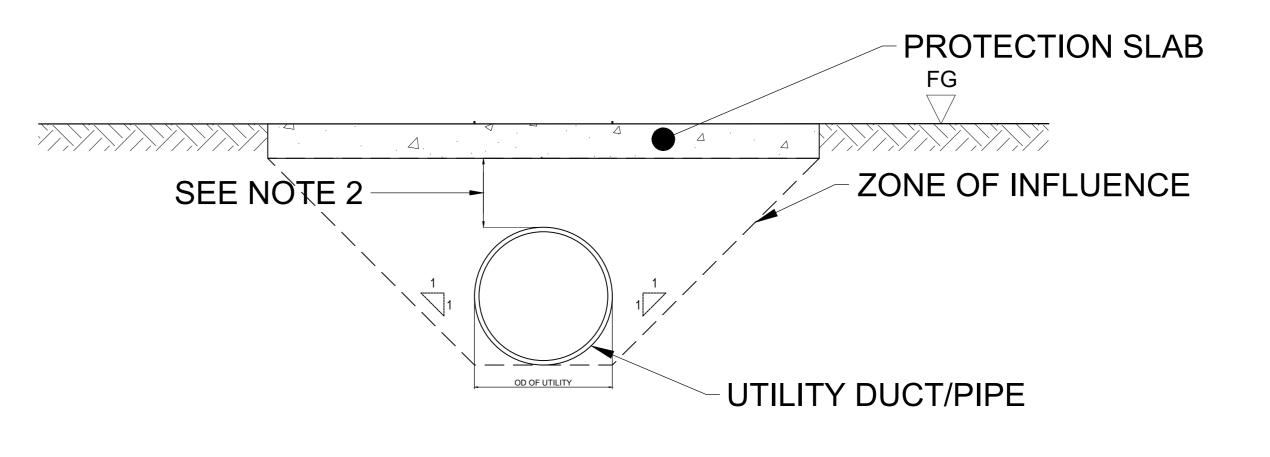


DC CABLE TRENCH WITH LV INVERTER SUPPLY (NOT TO SCALE)

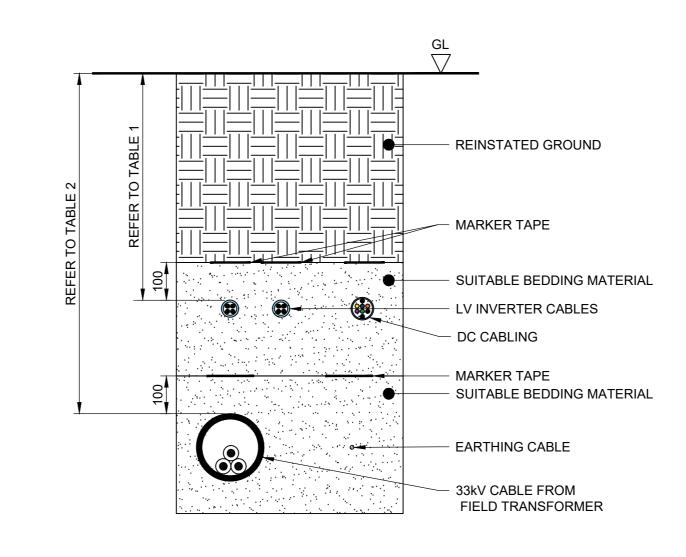
INTERNAL DC CABLE TRENCH (NOT TO SCALE)



PLAN VIEW OF GENERIC UTILITY (AS REQUIRED)



SECTION A-A (NOT TO SCALE)



(NOT TO SCALE)

TABLE 1: DEPTH OF LV CABLE LAYING					
ENVIRONMENT	INDICATIVE DEPTH OF COVER				
FOOTWAY	450mm				
CARRIAGEWAY	600mm				
AGRICULTURAL LAND	900mm				
OTHER LAND	450mm				

	: DEPTH OF HV CABLE LAYING					
ENVIRONMENT	INDICATIVE DEPTH OF COVER					
FOOTWAY	600mm					
CARRIAGEWAY	750mm					
AGRICULTURAL LAND	900mm					
OTHER LAND	600mm					

MIXED VOLTAGE CABLE TRENCH (NOT TO SCALE)

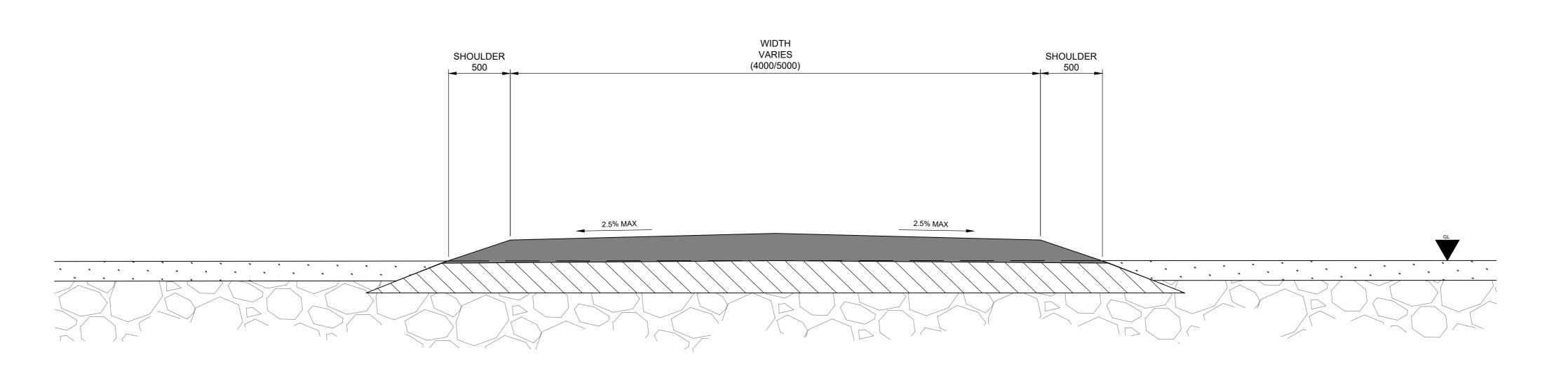
Legend

FOR INFORMATION ONLY (NOT FOR CONSTRUCTION

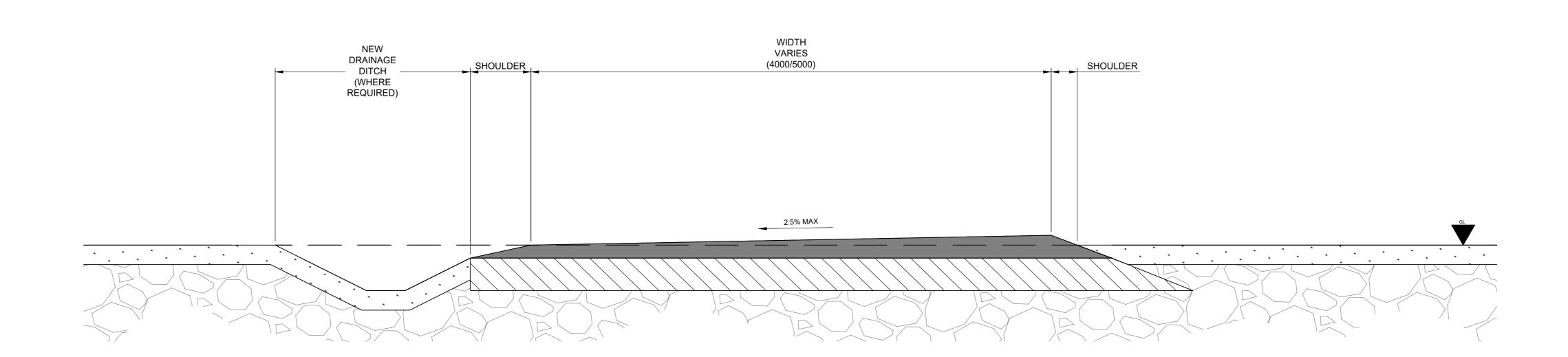


Client: One Earth Solar Farm Ltd	Drawing Title: OE-ACM-R0-GE-DR-2003 Typical Trenching Details				
Project:	Project: Rev.				
One Earth Solar Farm	EN10159/APP/7	159/APP/7.13 01			
	Drawn: OK	Designed: JC Approved: DL			ed: DL
Planning Inspectorate Scheme Ref:EN010159	Drawing Date:		Scale:		
Environmental Statement Volume 2	2025-01-21 NOT TO SCALE			LE	

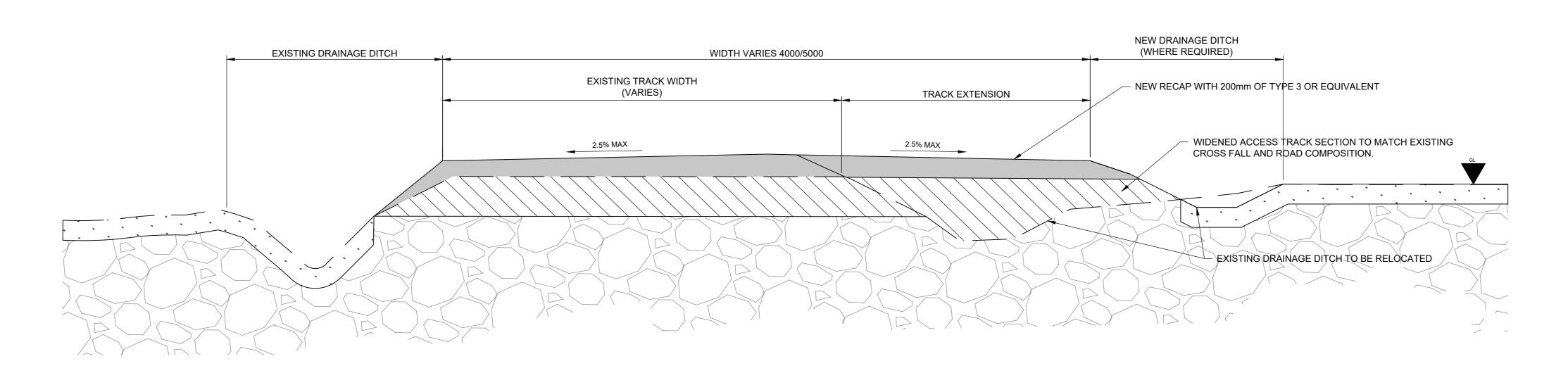
- DRAWING IS FOR INDICATIVE PURPOSES ONLY
- 2. MINIMUM COVER AND PROTECTION SLAB DIMENSIONS TO BE AGREED WITH THE UTILITY OWNER OR OPERATOR PRIOR TO ANY WORKS BEING
- UNDERTAKEN. 3. PRIOR TO LIFT INSPECT SLAB FOR CRACKS AND LIFTING PIN CORROSION. IF
- DEFECTS ARE SPOTTED DO NOT PROCEED AND SEEK SUPPLIER ADVICE.
- 4. PROTECTION SLAB TO BE INSTALLED AS PER MANUFACTURERS SPECIFICATIONS.
- 5. LIFTING SYSTEM FOR PROTECTION SLAB MUST ADHERE TO MANUFACTURERS SPECIFICATIONS.
- 6. FINAL CABLE SPECIFICATION AND CONFIGURATION TO BE DEVELOPED AND CONFIRMED BY THE CONTRACTOR.
- 7. ALL EXPOSED CABLE DUCTS TO BE MADE VERMIN PROOF UPON FINAL CABLE INSTALLATION.
- 8. ALL DUCTING TO BE WATERTIGHT.
- 9. THE UTILITY ASSET OWNER AND OR OPERATOR SHALL BE CONSULTED PRIOR TO INSTALLATION OF ANY UTILITY CROSSINGS.



A TYPICAL ACCESS TRACK CROSS SECTION



B ACCESS TRACK ONE WAY CROSSFALL WITH DRAINAGE CROSS SECTION SCALE 1:20mm @A1



C ACCESS TRACK WIDENING CROSS SECTION SCALE 1:20mm @A1

FOR INFORMATION ONLY (NOT FOR CONSTRUCTION



	Client: One Earth Solar Farm Ltd		tle: R0-GE-DR-02002 ccess Track Cross Section				
Project: Project:					Rev.		
	One Earth Solar Farm	EN010159/APP/7.13			01		
		Drawn: OK	Designed	d: JC	Approv	ed: DL	
	Planning Inspectorate Scheme Ref:EN010159	Drawing Date:		Scale:			
	Environmental Statement Volume 2	2025-02-05		1:20	500 1	1000 mm	

Legend SURFACE COURSE **BASE COURSE** SUBBASE --- EXISTING SURFACE

Notes

1. ALL DIMENSIONS IN MILLIMETERS UNLESS OTHERWISE NOTED. DO NOT SCALE.

- 2. IT IS ASSUMED THAT ALL WORKS WILL BE CARRIED OUT BY A COMPETENT CONTRACTOR WORKING, WHERE APPROPRIATE, TO AN APPROVED METHOD STATEMENT. MATERIALITY:
- RUNNING SURFACE: CELLULAR GROUND REINFORCEMENT TRACK INFILLED WITH GRAVEL/ AGGREGATE TO MANUFACTURER SPECIFICATION. - SUBBASE: CLASS 6F1 OR SIMILAR.
- 4. ACCESS TRACK DEPTH TO BE DETERMINED BY THE CONTRACTOR IN ACCORDANCE WITH THE GUIDANCE IN TABLE 1 BELOW.
- 5. EXCAVATE ALL UNSUITABLE MADE GROUND, SOFT/ VERY SOFT ORGANIC SOILS WHERE ENCOUNTERED. MINIMUM REQUIRED UNDRAINED SHEAR STRENGTH (CU) IS 40KPA WHERE APPLICABLE OR CBR GREATER THAN 2%. CU / CBR SHALL BE VERIFIED BY IN-SITU TESTING. 6. A GEOGRID MAY BE INCORPORATED INTO THE FINAL DESIGN, THIS TO BE CONFIRMED BY THE CONTRACTOR AND INSTALLED TO MANUFACTURERS
- 7. IN AREAS OF HIGH GROUND WATER ADDITIONAL MATERIAL MAY BE REQUIRED TO SATISFY THE REQUIRED SUBBASE STIFFNESS. THIS IS TO BE
- CONFIRMED BY THE CONTRACTOR WITHIN THE DETAILED DESIGN.
- 8. WHERE ROAD SIDE DRAINAGE IS PROVIDED, CAPPING LAYER IS TO BE GRADED TOWARDS THE LOW POINT.

