Cottam Solar Project

Environmental Statement Appendix 8.1.5:

Photography and Photomontage Methodology Part 5 of 5

Prepared by: Lanpro Services

January 2023

PINS Ref: EN010133

Document reference: C6.3.8.1.5

APFP Regulation 5(2)(a)

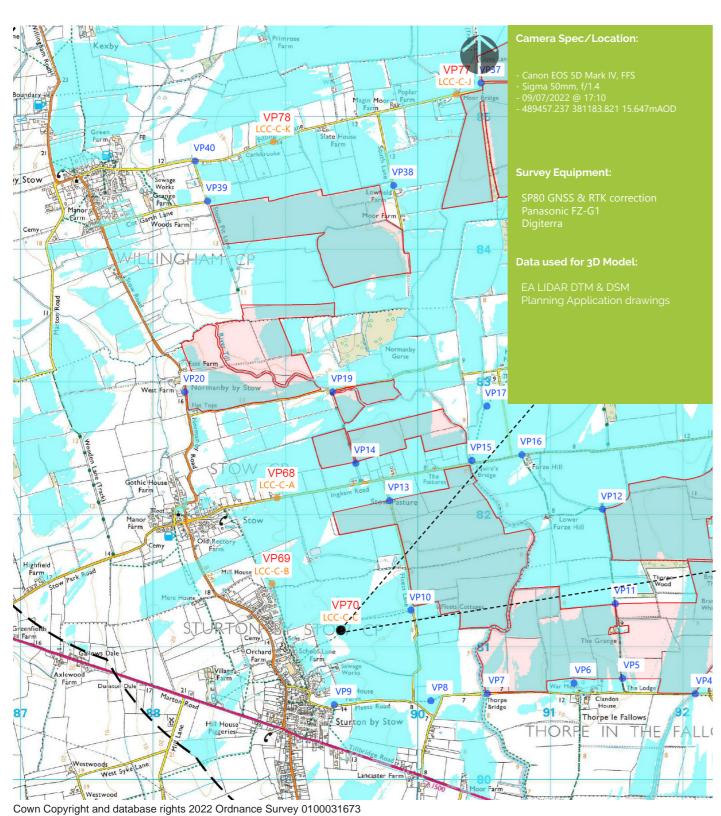






Viewpoint 70 (LCC-C-C)

Camera Location:







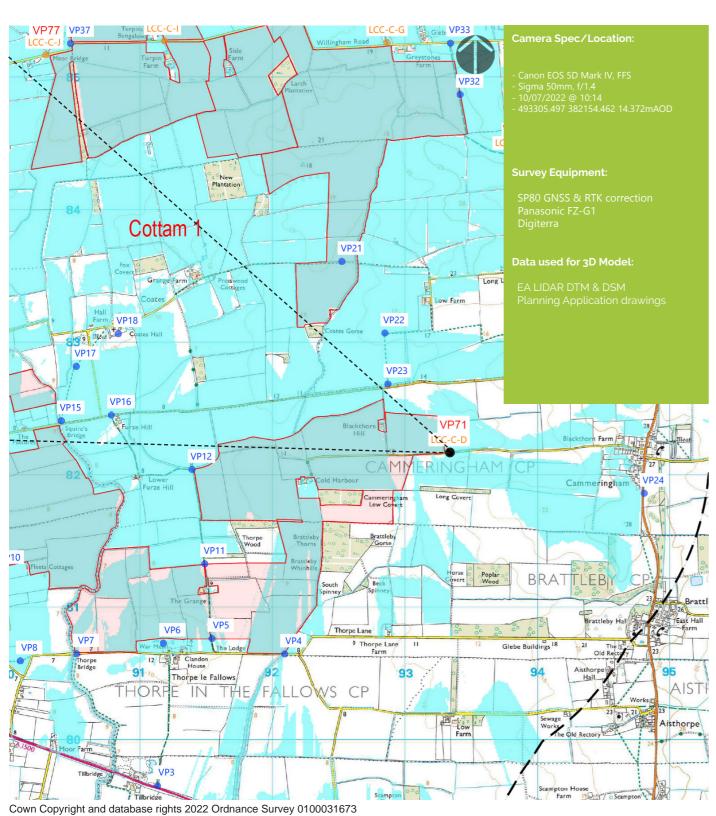




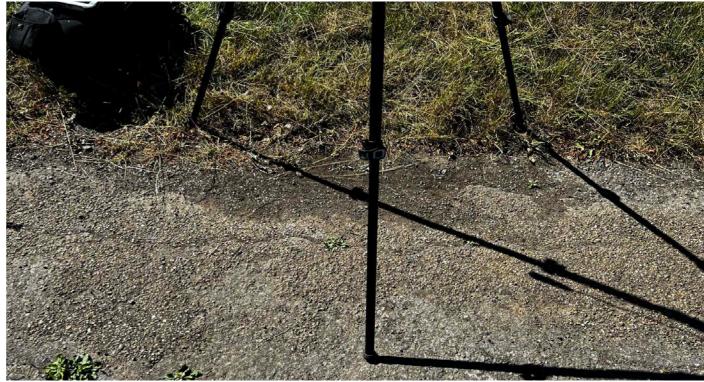


Viewpoint 71 (LCC-C-D)

Camera Location:







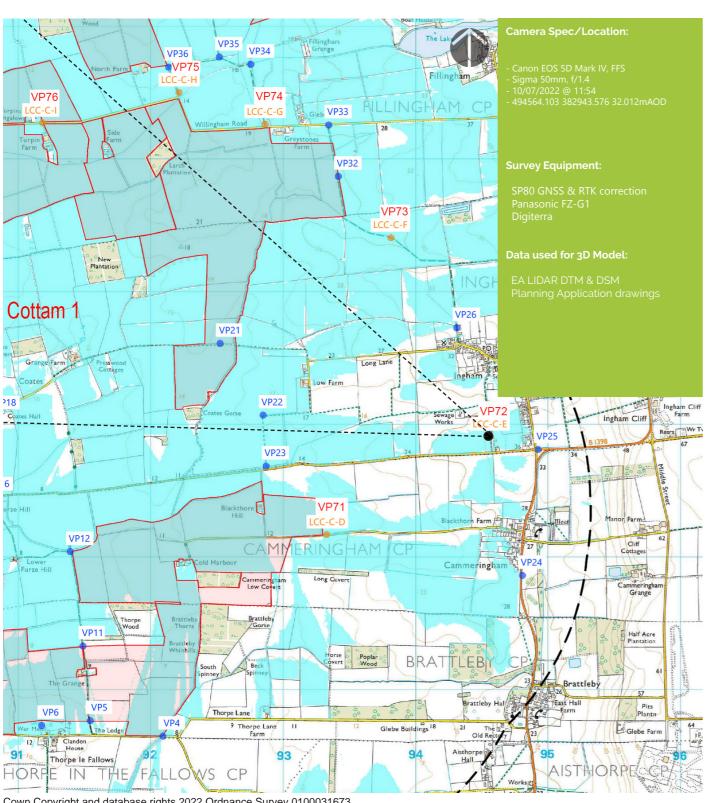






Viewpoint 72 (LCC-C-E)

Camera Location:







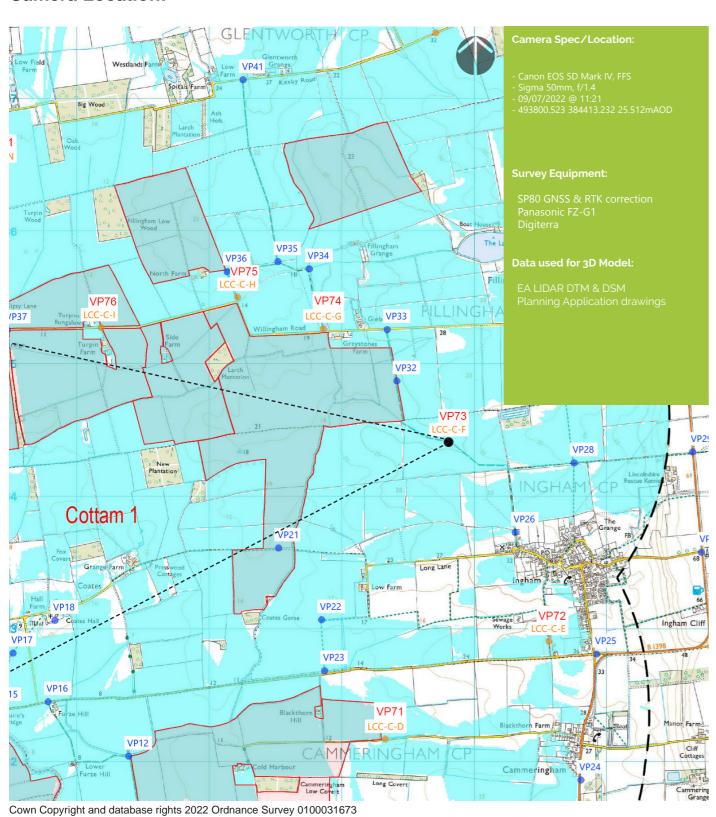






Viewpoint 73 (LCC-C-F)

Camera Location:







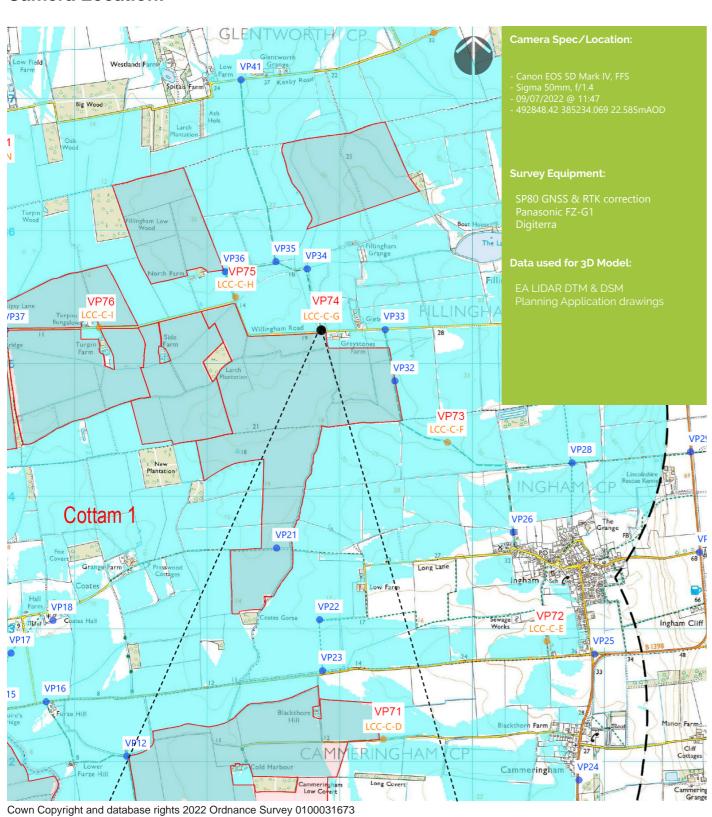






Viewpoint 74 (LCC-C-G)

Camera Location:









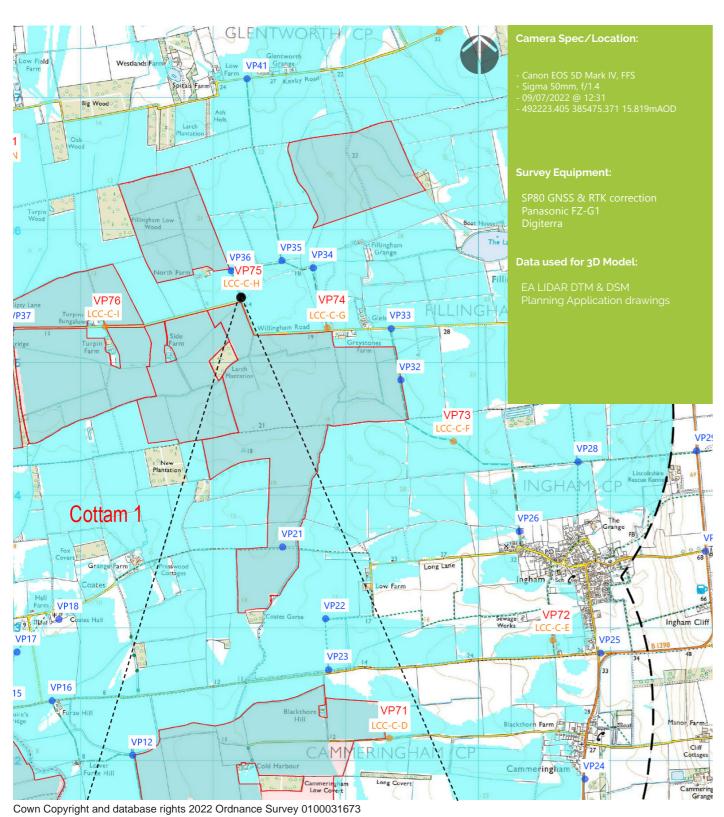


Viewpoint 75 (LCC-C-H)





Camera Location:







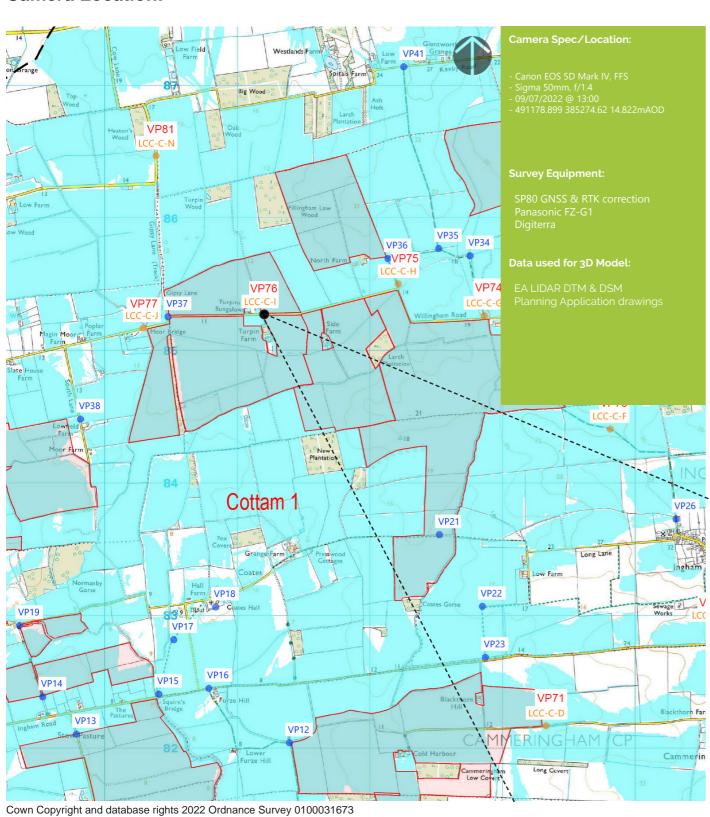






Viewpoint 76 (LCC-C-I)

Camera Location:







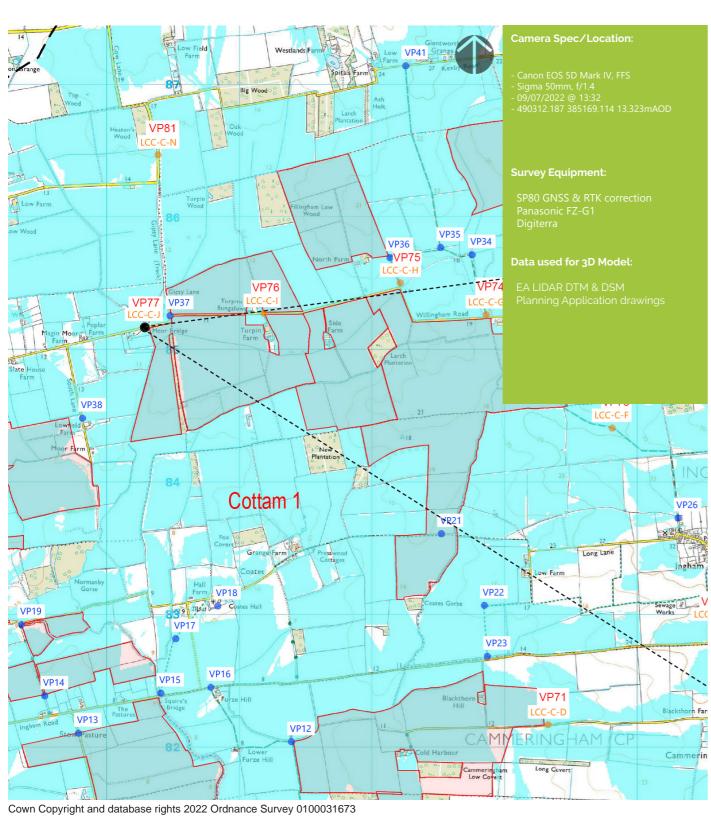






Viewpoint 77 (LCC-C-J)

Camera Location:







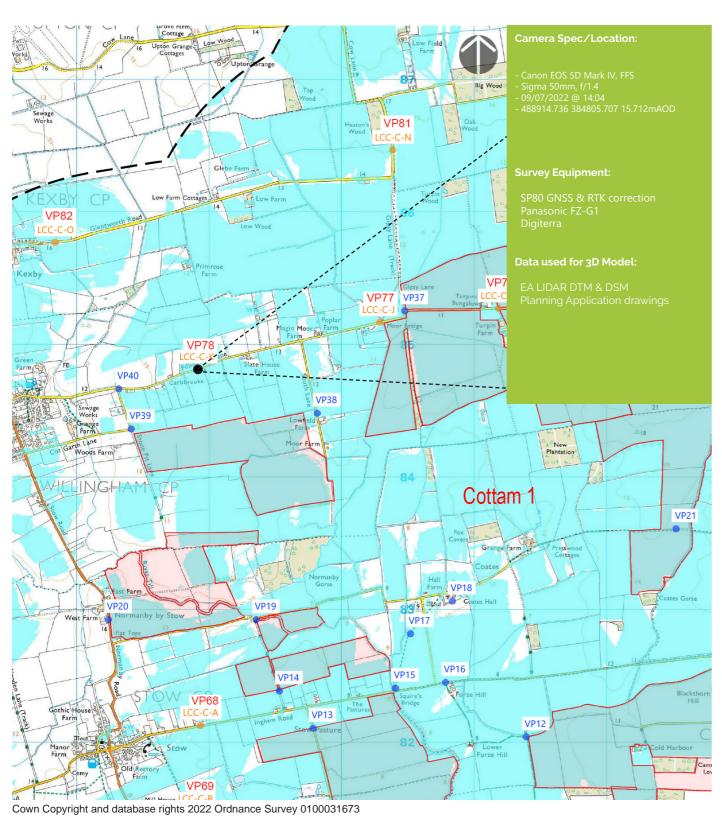






Viewpoint 78 (LCC-C-K)

Camera Location:







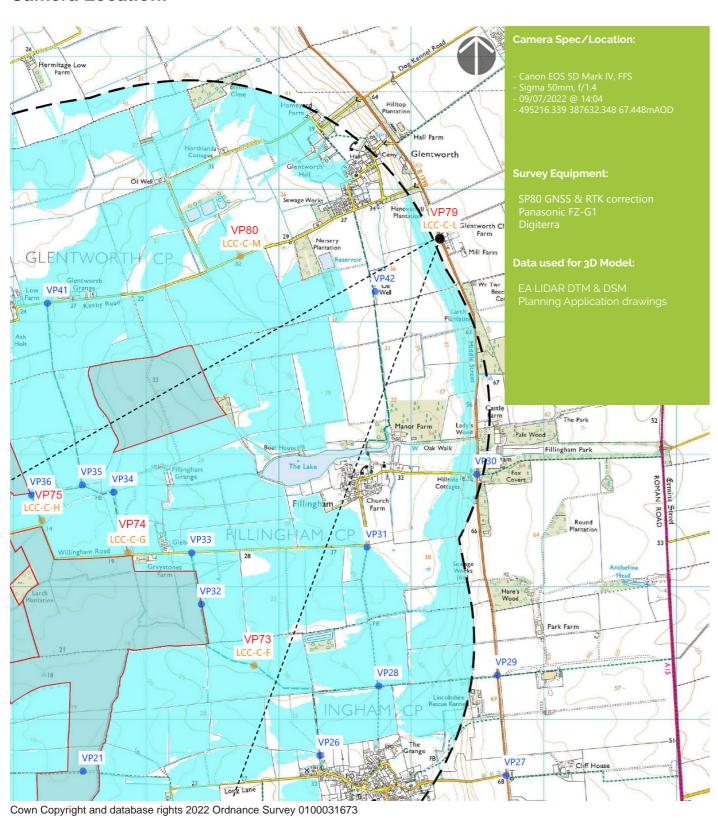






Viewpoint 79 (LCC-C-L)

Camera Location:







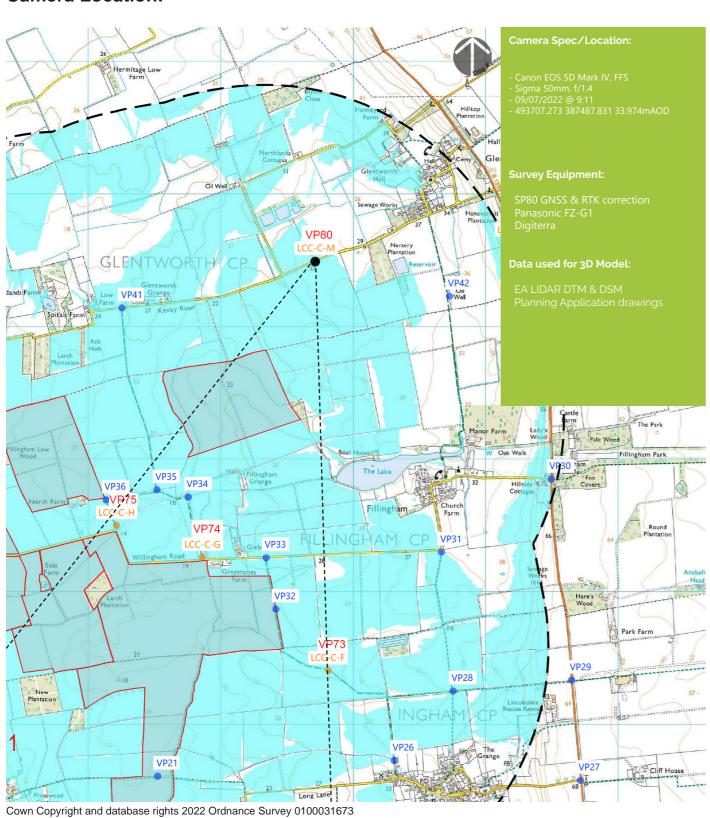






Viewpoint 80 (LCC-C-M)

Camera Location:







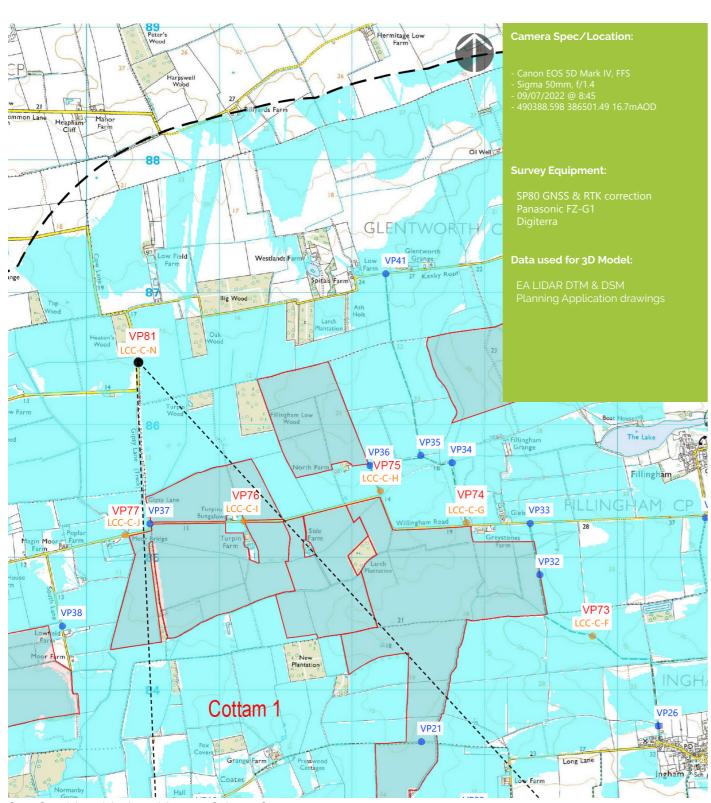






Viewpoint 81 (LCC-C-N)

Camera Location:







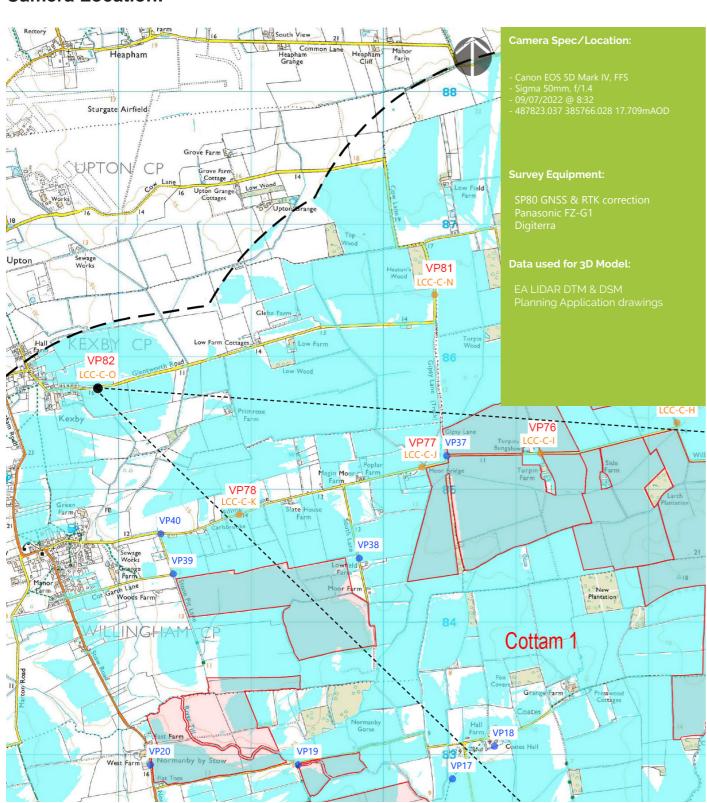






Viewpoint 82 (LCC-C-O)

Camera Location:







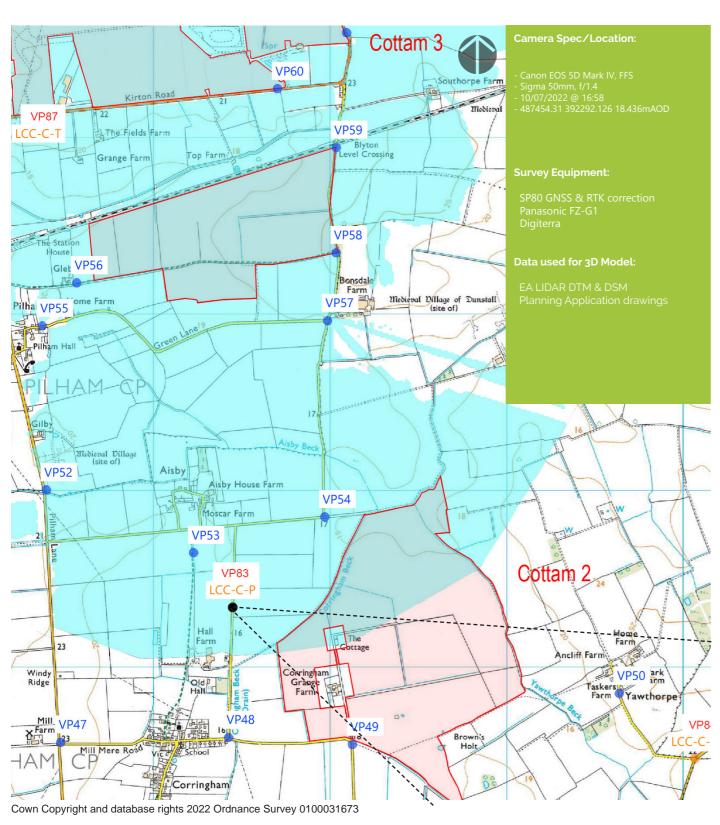






Viewpoint 83 (LCC-C-P)

Camera Location:









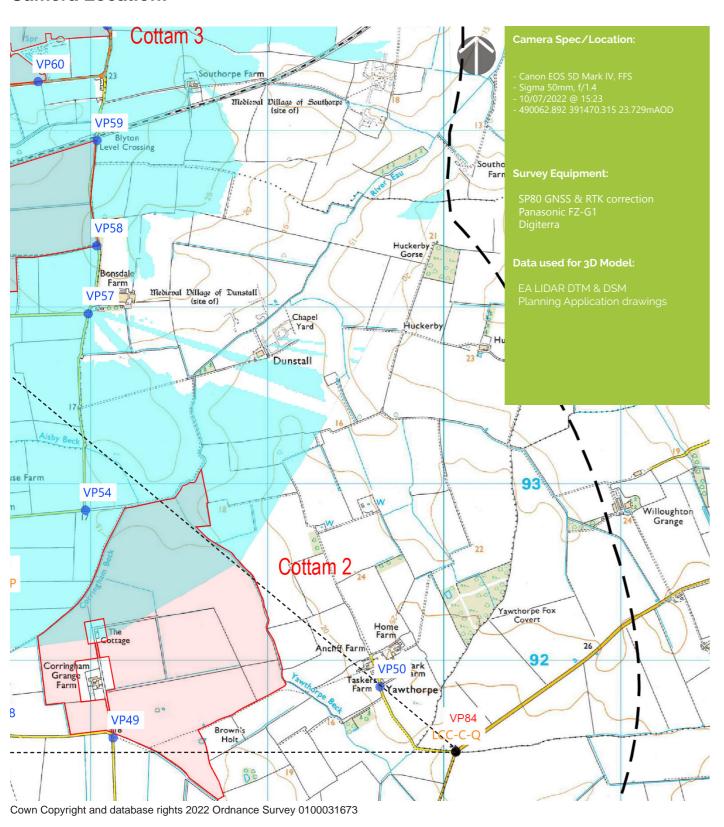
Point of Perspective





Viewpoint 84 (LCC-C-Q)

Camera Location:











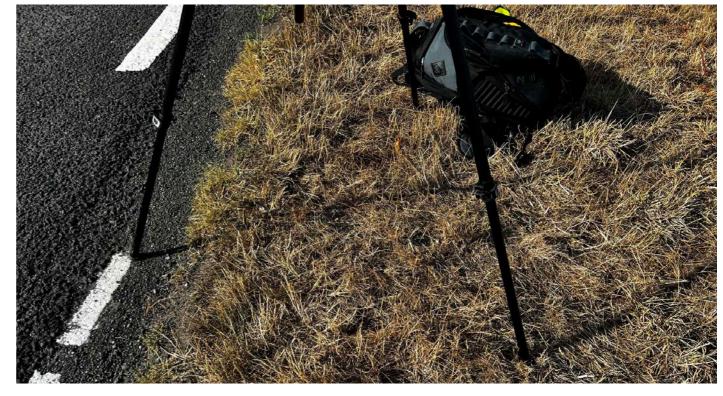


Viewpoint 85 (LCC-C-R)

Camera Location:













Viewpoint 86 (LCC-C-S)

Camera Location:









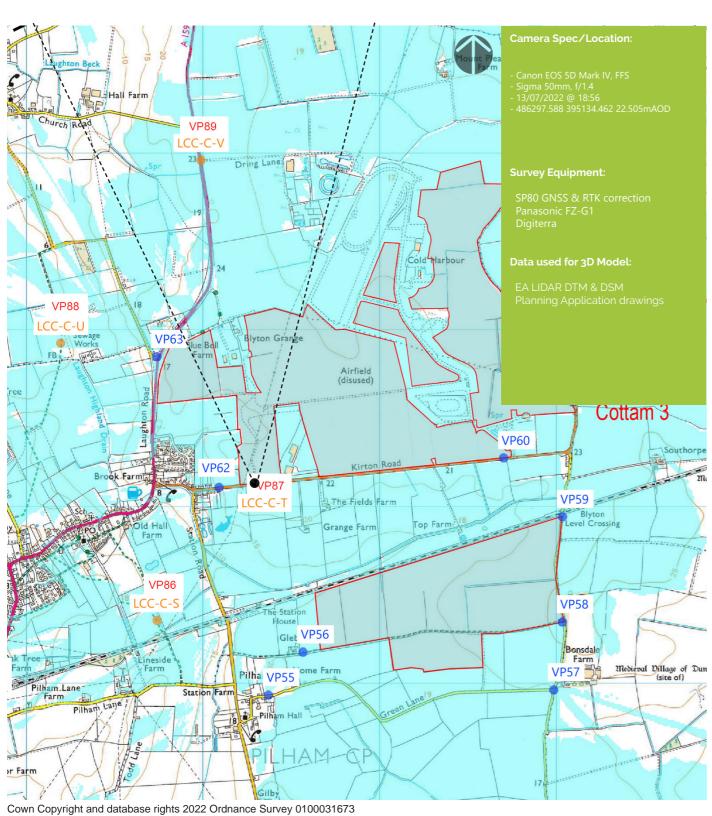
Point of Perspective





Viewpoint 87 (LCC-C-T)

Camera Location:







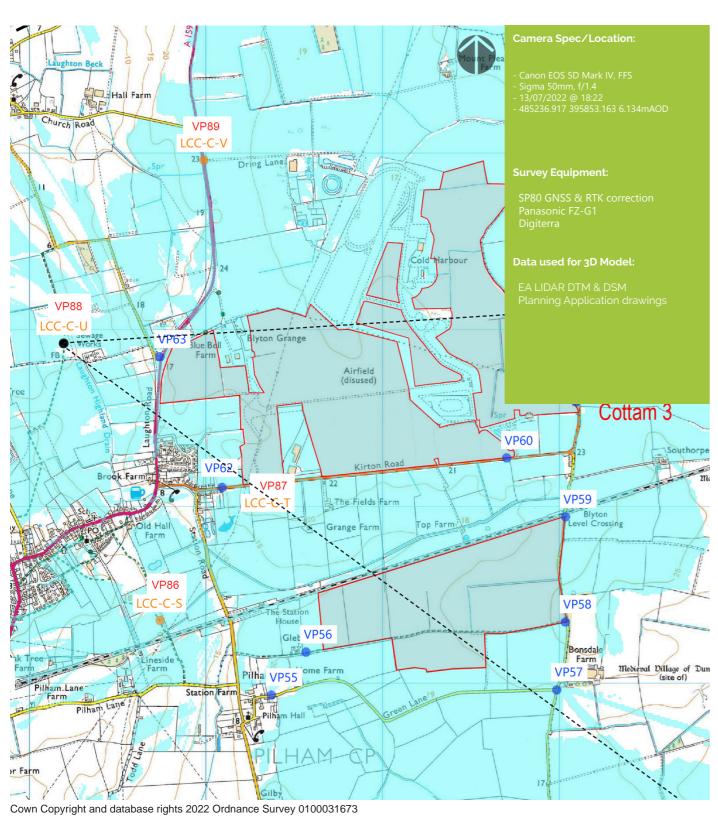






Viewpoint 88 (LCC-C-U)

Camera Location:



Tripod:





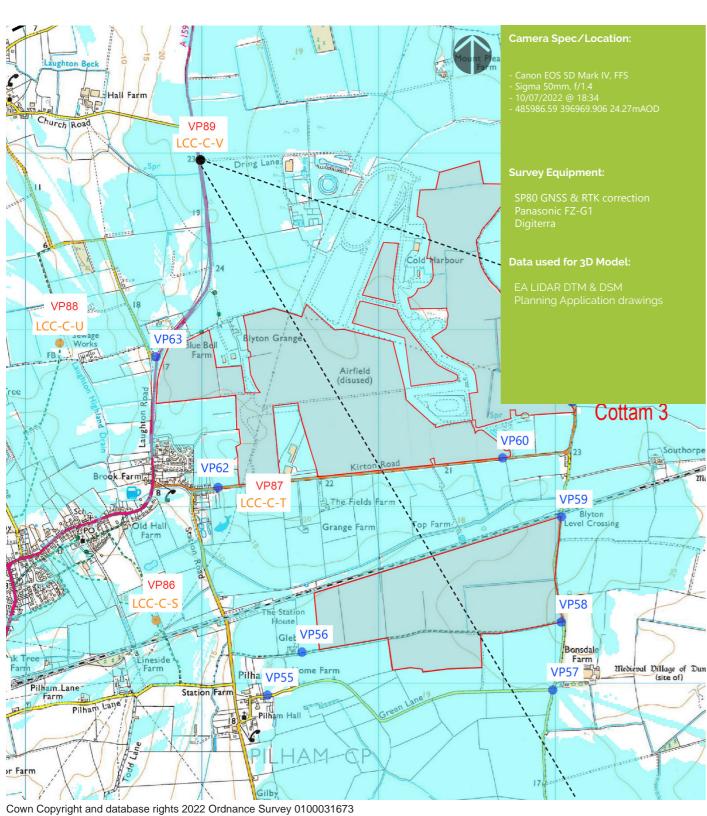






Viewpoint 89 (LCC-C-V)

Camera Location:



Tripod:







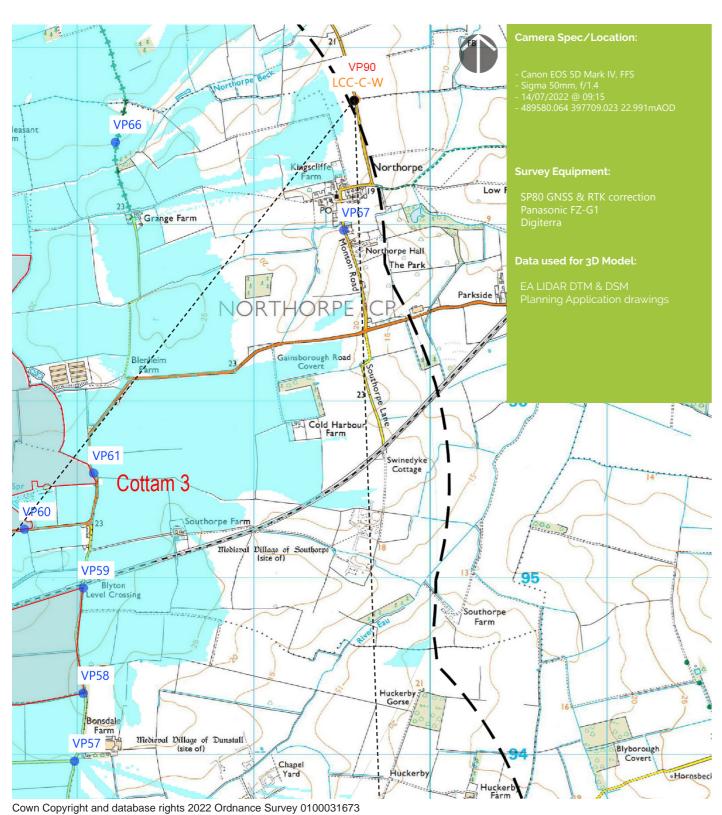
Point of Perspective





Viewpoint 90 (LCC-C-W)

Camera Location:



Tripod:



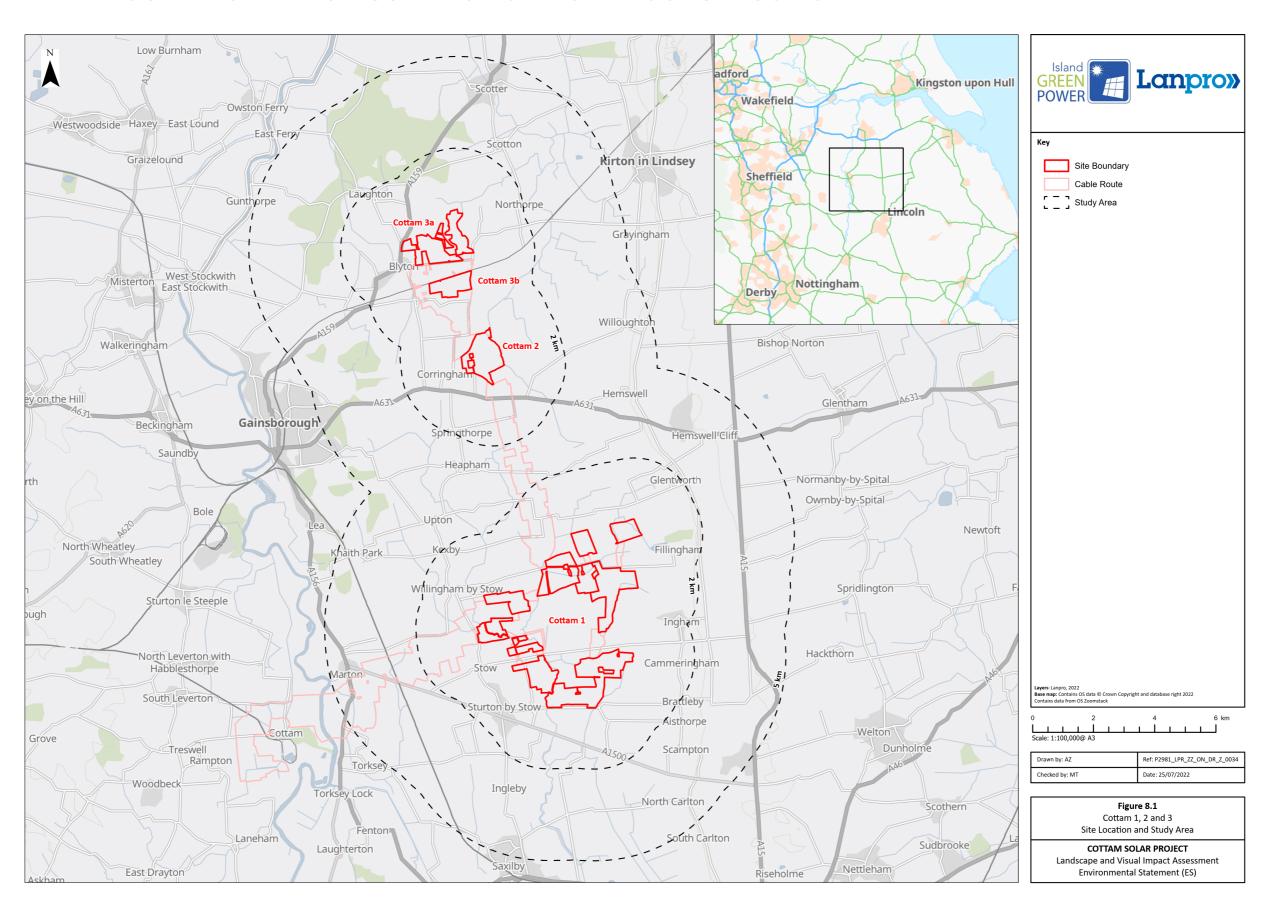








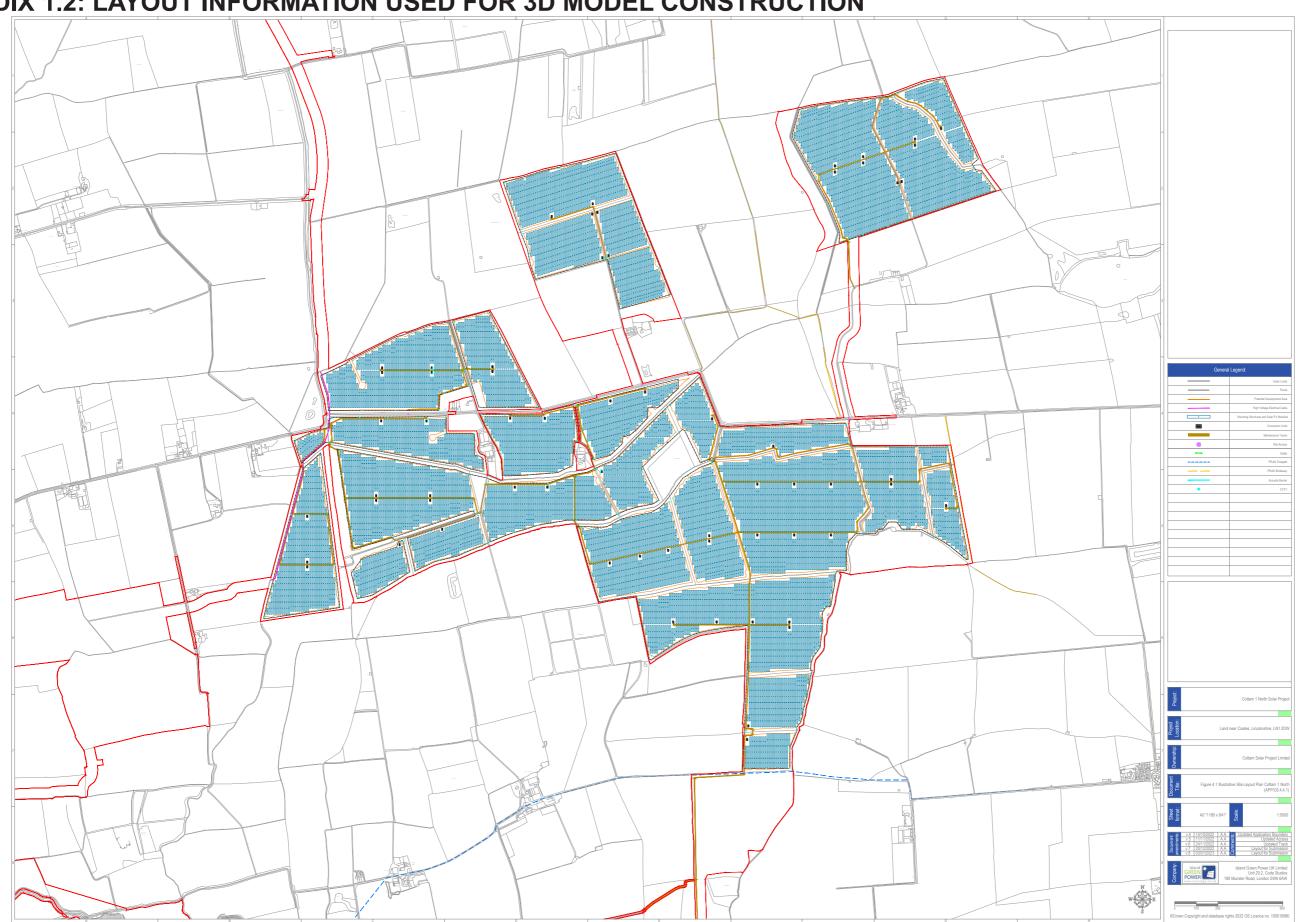








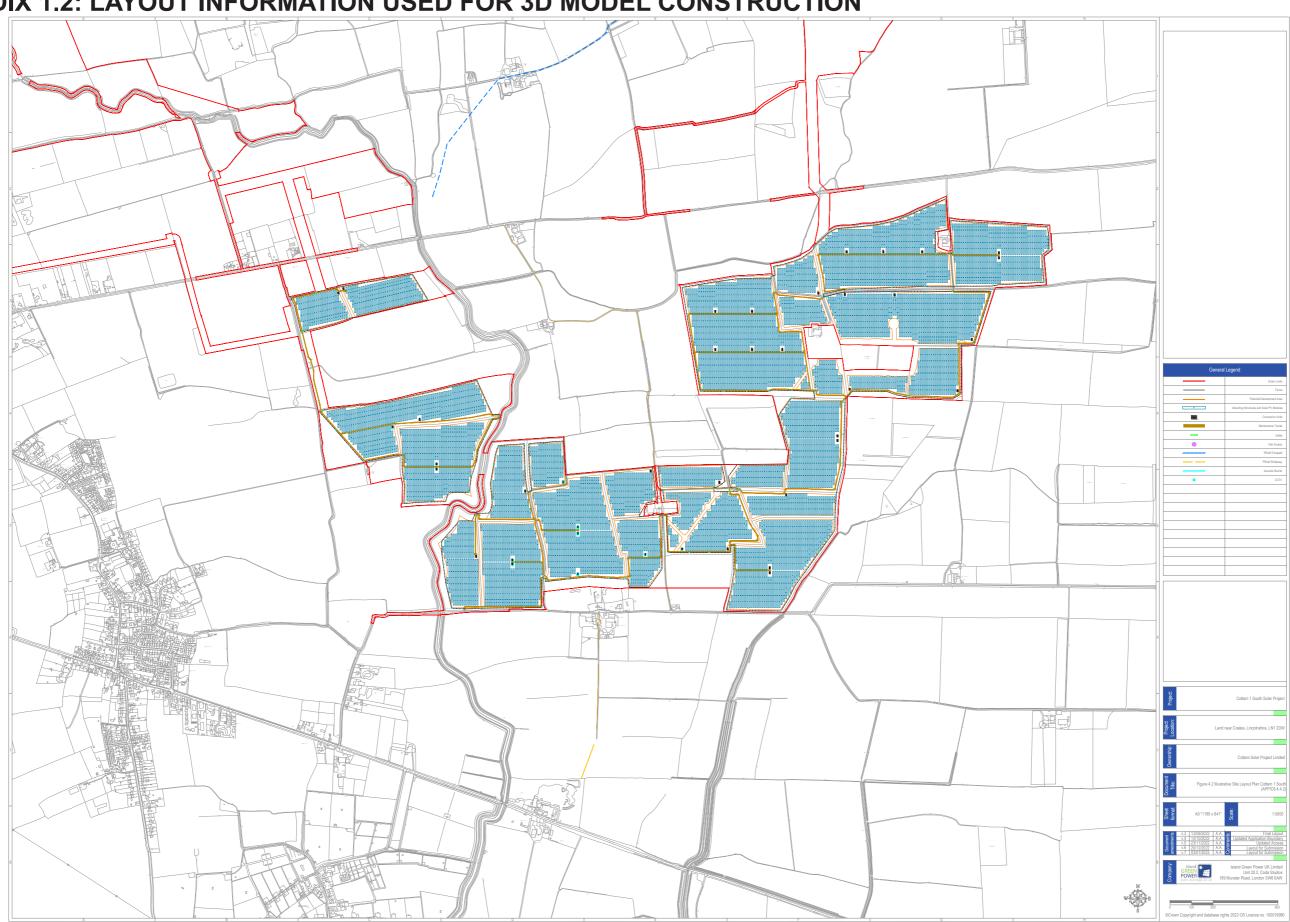








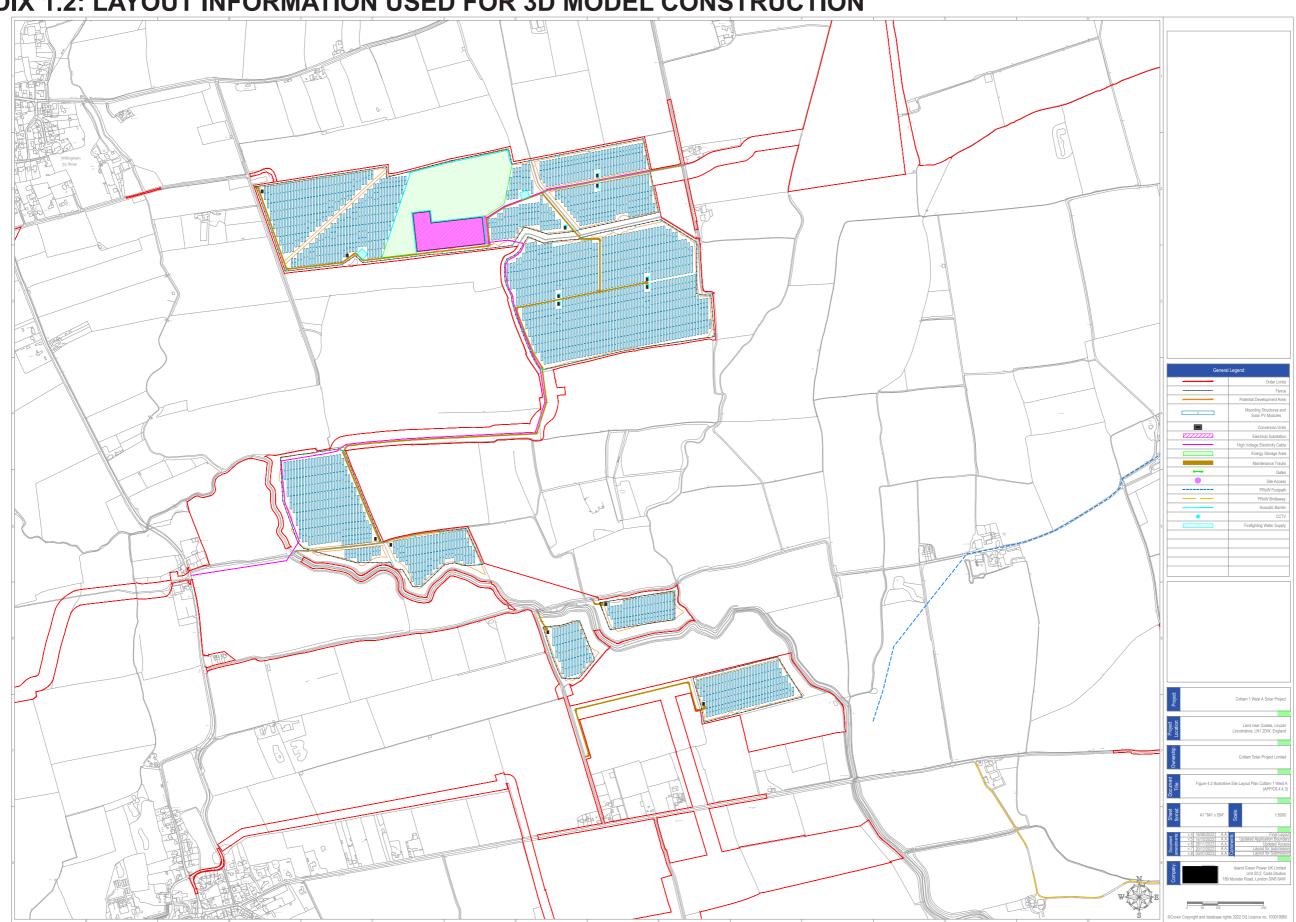








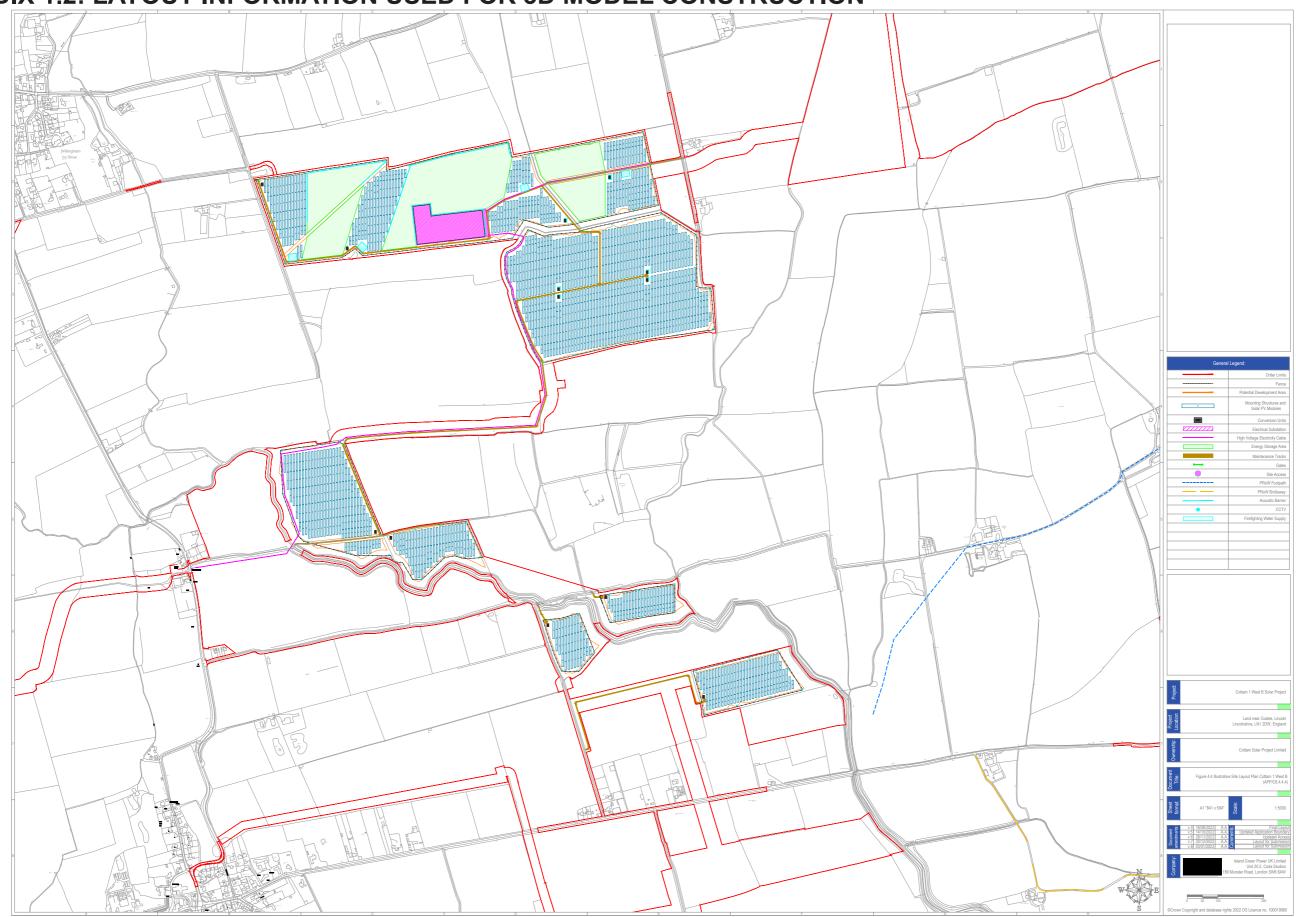








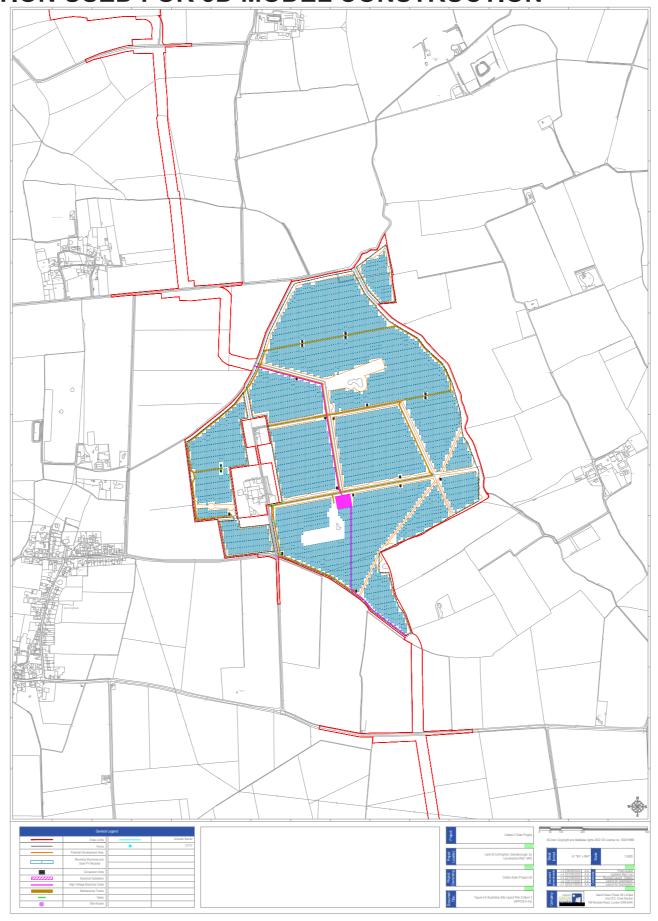








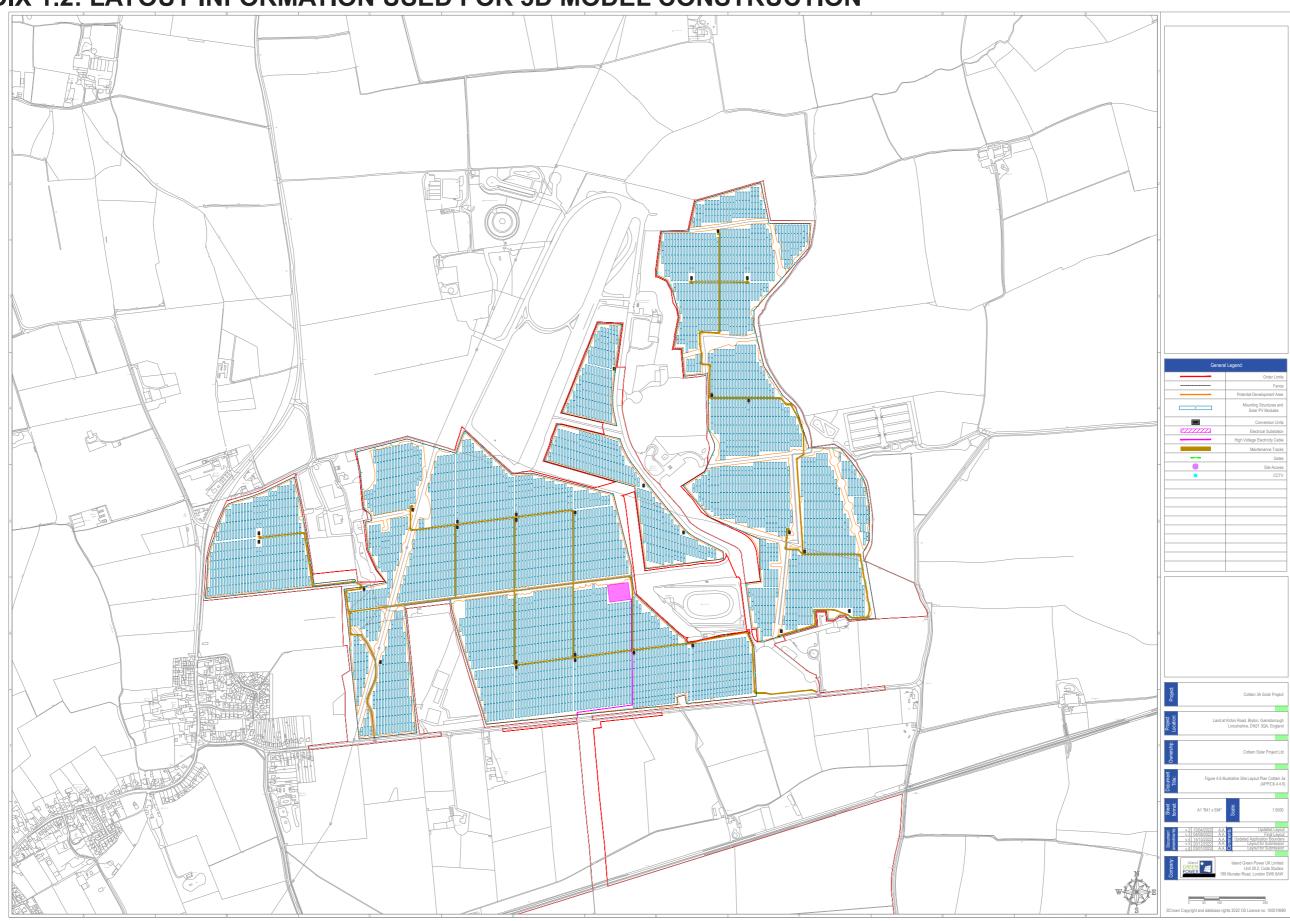








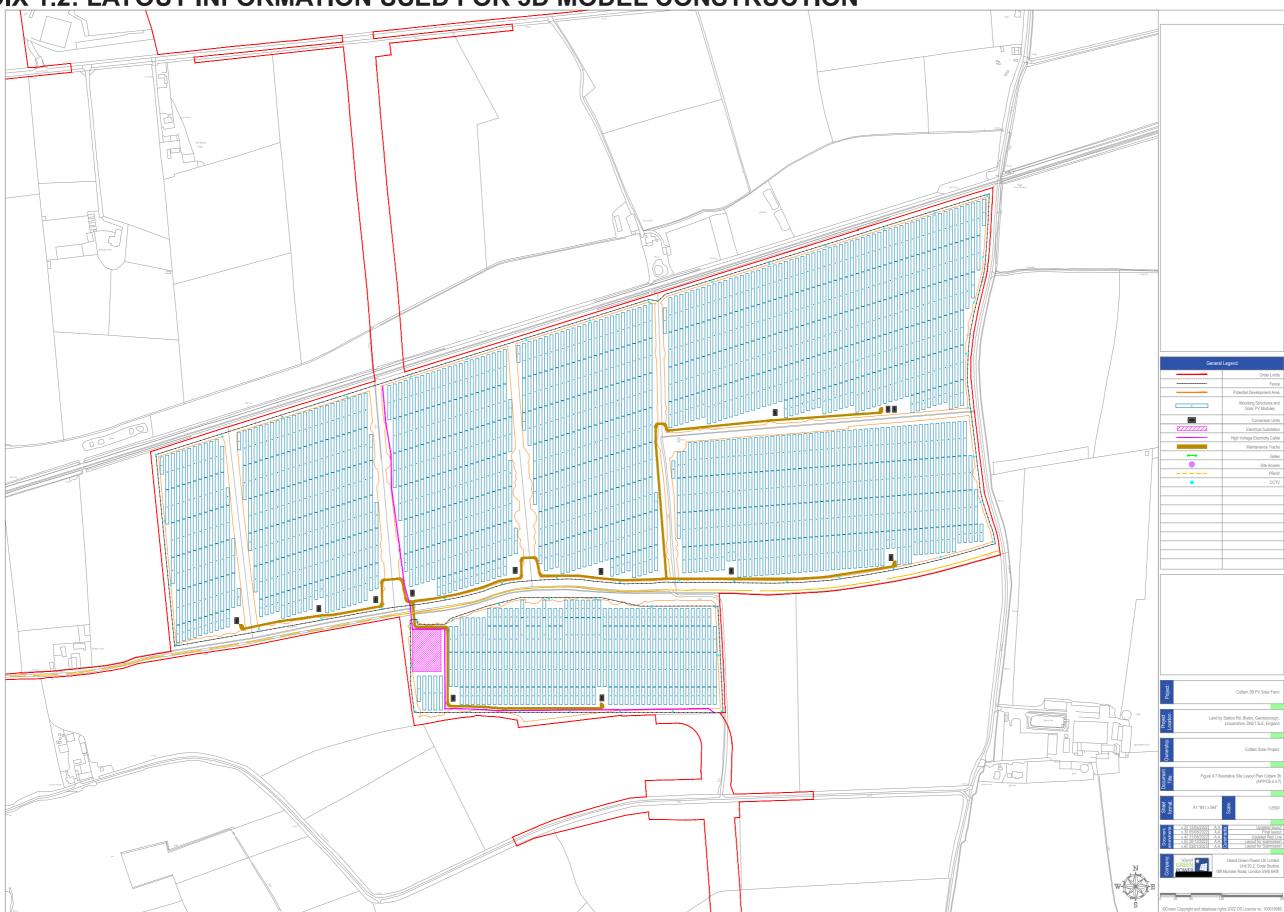




















SFCO SINGLE-AXIS TRACKER TECHNICAL DATASHEET

Tracking System	Horizontal Si
Tracking Range	

Horizontal Single-Axis with independent rows

up to ± 60°

Enclosed Multidrive System, DC Motor

PV Series Self-powered Supply 2.0

Optional: 120/240 Vac or 24 Vdc power-cable

Tracking Algorithm Soltec's TeamTrack™ with NREL SPA's astronomical data

Communication

Drive System

Power Supply

MAIN FEATURES

Open Thread Full Wireless
Optional: RS-485 Full Wired
RS-485 cable not included in Soltec scope

Wind Resistance Per Local Codes
Land Use Features

Independent Rows YES
Slope North-South up to 17%
Slope East-West Unlimited
Ground Coverage Ratio Configurable. Typical range: 30-50%

Foundation Driven Pile | Ground Screw | Concrete Temperature Range

Availability >99%
Modules Standard: 72 / 78 cells | Optional: 60 Cells; Crystalline,

SERVICE PLANS

Pull Test
Factory Support
Onsite Advisory
Construction
Commissioning
Operation & Maintenance
Tracker Monitoring System
Solmate Customer Care

MAINTENANCE

Self-lubricating Bearings
Face to Face Cleaning Mode
2x Wider Aisles
Fewer parts and fastenings

WARRANTY

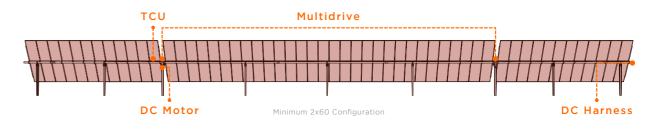
Structure 10 years (extendable) Motor 5 years (extendable) Electronics 5 years (extendable)

> B&V Bankability report DNV GL Technology Review available RWDI WIND TUNNEL TESTED

MODULE CONFIGURATIONS Approximate Dimensions, scalable to bigger modules

2 x 5 6	Length 58.0 m (190' 5")	2 x 8 4	Length 87.1 m (286' 8")
2 x 5 8	Length 60.1 m (197' 2")	2 x 8 7	Length 90.1 m (296' 9")
2 x 6 0	Length 62.1 m (204' 10")	2 x 9 0	Length 93.2 m (306' 9")
	Height 4.1 m (13' 7")	Width 4.2 m	1 (13' 10")

Thin Film (Solar Frontier, First Solar and others)







SPECTRA'
GEOSPATIAL

SP80

APPENDIX 1.3: SURVEY EQUIPMENT



SPECTRA

THE MOST CONNECTED

GNSS RECEIVER







SP80

GNSS CHARACTERISTICS

- UNS CHARKEL EINSTIGS

 GPS LIC/A, LIP(Y), L2C, L2P(Y), L5

 GLONASS LIC/A, LIP, L2C/A, L2P, L3

 Beldou (Phase II) Bil. B2

 Gallieo E L, E5a, E5b

 C/SS LIC/A, L1-(A/L), L2C, L5

 SABS LIC/A, L5 (NAS, E1C, L2C, L5

 SABS LIC/A, L5 (NAS, ENOS, MSAS, GAGAN, SDCM)

 IRNS LS L5

 Support for Trimble RTX⁻¹ real-time correction services

 Patented 7-Bladet exchanglor for optimal GNSS performan

- Support or Immier (I.X**Teat-une Correction services
 Patented Z-Flade technology froe optimal GNSS performance
 Full utilization of signals from all 6 GNSS systems (GPS, GLONASS, Belliou, Gallieu, QZSS and SBAS)
 Enhanced GNSS-centric algorithm: fully-independent GNSS signal tracking and optimal data processing, including GPS-only, GLONASS-only or Belliou-only solution (Autonomous to full RTIX)
 Test Scoret people for a quick condition and re-
- Fast Search engine for quick acquisition and re-acquisition of GNSS signals
- Patented SRAS ranging for using SBAS code & carrier observations and orbits in RTK processing Patented Strobe** Correlator for reduced GMSS multi-path Up to 20 Hz real-time raw data (code & carrier and position
- output)
 Supported data formats: ATOM, CMR, CMR+, RTCM 2.1, 2.2, 2.3, 3.0, 3.1 and 3.2 (including MSM), CMRx and sCMRx (rover only)
 MEA DISS messages output
- REAL-TIME ACCURACY (RMS) (1)(2)

SBAS (WAAS/EGNOS/MSAS/GAGAN) Horizontal: < 50 cm Vertical: < 85 cm

Real-Time DGPS position

Horizontal: 25 cm + 1 ppm
 Vertical: 50 cm + 1 ppm

Real-Time Kinematic Position (RTK)

Horizontal: 8 mm + 1 ppm

Vertical: 15 mm + 1 ppm

Network RTK (6) Horizontal: 8 mm + 0.5 ppm Vertical: 15 mm + 0.5 ppm

REAL-TIME PERFORMANCE
Instant-RTK® Initialization
Typically 2 sec for baselines < 20 km
Up to 99.9% reliability
RTK initialization range: over 40 km

POST-PROCESSING ACCURACY (RMS) (10(2)

Static & Fast Static

Horizontal: 3 mm + 0.5 ppm
 Vertical: 5 mm + 0.5 ppm

High-Precision Static (3)

Horizontal: 3 mm + 0.1 ppm
Vertical: 3.5 mm + 0.4 ppm

DATA LOGGING CHARACTERISTICS

Recording Interval • 0.05 - 999 seconds

PHYSICAL CHARACTERISTICS

Size• 22.2 x 19.4 x 7.5 cm (8.7 x 7.6 x 3.0 in)

Weight • 1.17 kg (2.57 lb)

User Interface
- Graphical PMOLED display
- WEB UI (accessible via WiFI) for easy configuration, operation, status, and data transfer

I/O Interface

- RS232 serial link
- USB 2.0/UART
- Bluetooth 2.1 + EDR
 WIFI (502.11 b/g/n)
 3.56 quad-bend GSM (850/900/1800/1900 MHz) / penta-bend UMTS module (800/850/900/1900/2100 MHz)

- Hemory

 2 @B Internal memory NAND Flash
 (1.5 6B user data)

 Over a year of 15 sec, raw GNSS data
 from 14 satellites

 SD/SDHC Internal memory card (up to 326B)

- Operation
 RTK rover & base
 RTK network rover: VRS, FKP, MAC
 NTRIP, Direct IP
- CSD mode
- Post-processing
 RTK bridge
- UHF repeater
 UHF networking
 Trimble RTX(cellular/IP)

Environmental Characteristics

Operating temperature: -40° to +65°C
(-40° to +149°F)⁽⁴⁾

(-40° to +149°F)^{(N}
Storage temperature: -40° to +85°C
(-40° to +185°F)^(N)
Humidity: 100% condensing
1P67 waterproof, sealed against sand and dust
Drop: 2m pole drop on concrete
Shock: ETS300 D19
Vibration: MIL-STD-810F

Vioration: *(IIL-31) Power Characteristics
 2 Li-lon hot-swappable batteries, 38.5 Wh
(2x 74 V, 2800 mAh)
 Battery life time (two batteries): 10 hrs
(6NSS On, and 6SM or UHF Rx On)
 External DC power: 9-28 V

- Standard System Components

 SP60 receiver

 2 L1-lon batteries
 Dual batter y charger, power supply and international power cord kit
 Tape measure (3.6 m / 12 ft)
 7 cm pole extension
 USB to mini-USB cable
 Hard case
 2 year warranty
 Ootlonal System Components

- Optional System Components
 SP80 UHF Kit (410-470 MHz 2W TRx) SP80 Field Power Kit
- · SP80 Office Power Kit
- · Data collectors
- Ranger 3 T41
- MobileMapper 50 - Nomad 1050

- Nomad 1050
 Field software
 Survey Pro
 FAST Survey
 Survey Mobile (Android)
 Space control app for 3rd party devices (Android)
- 1 Accuracy and TTFF specifications may be affected by atmospheric condition
- signal multipath, satellite geometry and correctors availability and quality.

 Performance values assume minimum of five satellites, following the procedures recommended in the product manual. High multi-path areas,
- high PDOP values and periods of severe atmospheric conditions may degrade
- Long baselines, long occupations, precise ephemeris used
 At very low temperatures UHF module should not be used in the
- transmitter mode. 5. Without hatteries. Batteries can be stored up to ±70°C.
- Network RTK PPM values are referenced to the closest physical base station.
 Receiver initialization time varies based on CNSS constellation health, level of multipath, and proximity to obstructions such as large trees and buildings.

TRIMBLE RTX INITIALIZATION (1)(2)(8)

	Horizontal (RMS)	Initialization	GNSS	
CENTERPOINT® RTX	<4 cm	<30 mins, <5 mins	L1+L2	



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APPENDIX 1.3: SURVEY EQUIPMENT

SP80 GNSS RECEIVER

The Spectra Geospatial SP80 is a next generation GNSS receiver that combines decades of GNSS RTK technology with revolutionary new GNSS processing. Featuring the new 240-channel "66" chipset combined with the patented Z-Blade technology, the SP80 system is optimized for tracking and processing signals from all GNSS constellations in challenging environments.

As the most connected GNSS receiver in the industry, the SP80 offers a unique combination of integrated 3.5G cellular, Wi-Fi and UHF communications with SMS, email and anti-theft technology.

These powerful capabilities, packaged in an ultra-rugged housing and patented antenna design with unlimited operation time (hot-swappable batteries), make SP80 an extremely versatile turnkey solution.







KEY FEATURES

- · Patented Z-Blade technology
- · 240-channel 6G ASIC
- Hot-swappable batteries
 Internal TRx UHF radio
- 3.5G cellular modem
- Built-in WiFi communication
- SMS and e-mail alerts
- Anti-theft technology
- Backup RTKRTK Bridge
- · eLevel technology
- Trimble RTX correction services









UNIQUE 8G GNSS-CENTRIC TECHNOLOGY

Patented Z-Blade processing technology running on a next generation Spectra Geospatial 240-channel 66 ASIC fully utilizes all 6 GNSS systems: 6PS, GLONASS, BeiDou, Galileo, QZSS and SBAS. Unlike GPS-centric technology which requires a minimum number of GPS satellites for GNSS processing, Z-Blades unique GNSS-centric capability optimally combines GNSS signals without dependency on any specific GNSS system; this allows SP80 to operate in GPS-only, GLONASS-only or BeiDou-only mode if needed. In addition, SP80 supports the recently approved RTCM 3.2 Multiple Signal Messages (MSM), a standardized definition for broadcasting all GNSS signals from space, regardless of their constellation. This protects the surveyor's investment well into the future by providing superior performance and improved productivity as new signals become available.

SMS AND EMAIL MESSAGING

SP80 has a unique combination of communication technologies including an integrated 3.56 GSM/UMTS modem, Bluetooth and Wi-Fi connectivity, and optional internal UHF transmit radio. The cellular modem may be used for SMS (text message) and e-mail alerts as well as regular Internet or VRS connectivity. SMS (text messages) can be used to monitor and configure the receiver. Likewise, SP80 can use all available RTK correction sources and connect to the Internet from the field using WiFi hotspots, where available. The internal UHF transmit/receive radio allows for quick and easy setup as a local base station. This saves time and increases the surveyor's efficiency.

ANTI-THEFT PROTECTION

A unique anti-theft technology secures SP80 when installed as a field base station in remote or public places and can detect if the product is disturbed, moved or stolen. This technology allows the surveyor to lock the device to a specific location and make it unusable if the device is moved elsewhere. In this case, SP80 will generate an audio alert and show an alert message on its display. Furthermore, a SMS or e-mail will be sent to the surveyor's mobile phone or computer and provides the receiver's current coordinates allowing tracking of its position and facilitating recovery of the receiver. SP80's anti-theft technology provides surveyors with remote security and peace of mind.

TRIMBLE RTX CAPABLE

Trimble RTX correction services offer a wide range of accuracy requirements ranging from better than 4 cm accuracies, up to sub-meter accuracies, without the need of an RTK base station.

Trimble RTX is available for the SP80 GNSS receiver via cellular/IP delivery. The premium service, CenterPoint® RTX is the most accurate satellite-delivered correction service available today. With the SP80 GNSS receiver and a Trimble RTX correction, achieve high-accuracy positioning nearly anywhere in the world.

THE MOST POWERFUL TOOL FOR RELIABLE FIELD USE

The SP80's rugged housing, created by Spectra Geospatial's engineering design lab in Germany, incorporates a host of practical innovations. Dual hot-swappable batteries can be easily exchanged in the field as a one hand operation for an interruption-free working day, ensuring surveyors remain productive until the job is done. The impact-resistant glass-fiber reinforced casing, designed to withstand 2m pole drops and waterproof to IP67, ensures that SP80 can handle the toughest outdoor conditions. The patented UHF antenna, set inside the rugged carbon fiber rod, extends the range of RTK radio performance at the same time as armoring protection. The sunlight-readable display offers instant access to key information like the number of satellites, RTK status, battery charge and available memory. With eLevel technology, the user is able to focus in one place when leveling and measuring as well as automatically store measurements when the receiver is level. These powerful design features combine to make SP80 the most capable, most reliable GNSS receiver, backed by a comprehensive standard 2 year warranty.



THE SPECTRA GEOSPATIAL EXPERIENCE

With the most advanced and rugged field data collectors from Spectra Geospatial, surveyors get maximum productivity and reliability every day. Spectra Geospatial Survey Pro or FAST Survey software is specifically tailored for the SP80 GNSS receiver providing easy-to-use, yet powerful GNSS workflows, letting the surveyor concentrate on getting the job done. Spectra Geospatial Survey Office Software provides a complete office suite for post-processing GNSS data and adjusting survey data, as well as exporting the processed results directly back to the field or to engineering design software packages. Combined with Spectra Geospatial field and office software, SP80 is a very powerful and complete solution.



APPENDIX 1.3: SURVEY EQUIPMENT

Lanpro GREEN POWER



TOUGHPAD FZ-G1

Panasonic recommends Windows.

SOFTWARE	 Windows 10 Pro 64 bit Panasonic Utilities (including Dashboard), Recovery Partition 		
DURABILITY	MIL-STD-810G certified (4' drop, shock, vibration, rain, dust, sand, altitude, freeze/thaw, high/low temperature, temperature shock, humidity, explosive atmosphere) IP65 certified sealed all-weather design Optional class I division 2, groups ABCD certified model Solid state drive heater Magnesium altoy chassis encased with ABS and elastomer corner guards Optional hand strap or rotating hand strap Port covers Raised bezel for LCD impact protection Pre-installed replaceable screen film for LCD protection		
СРИ	■ Intel® Core™ i5-6300U vPro™ Processor - 2.4 GHz up to 3.0 GHz with Intel® Turbo Boost Technology - Intel Smart Cache 3MB		
STORAGE & MEMORY	86B DDR3L SDRAM ^{4,5} 256GB solid state drive (SSD) with heater ^{4,5} Optional 512GB - up to 64GB additional storage with optional microSDXC card slot		
DISPLAY	10.1" WUXGA 1920 x 1200 with LED backlighting 10.point capacitive multi touch + Waterproof Digitizer pen daylight-readable screen 2-800 nil - IPS display with direct bonding - Anti-relictive and anti-glare screen treatments - Ambient light sensor, digital compass, gyro and acceleration sensors - Automatic screen rotation - Intel® HD Graphics 520 [Built-in CPU] video controller - Concealed mode [configurable]		
AUDIO	Integrated microphone Realtek high-definition audio Integrated speaker On-screen and button volume and mute controls		
KEYBOARD & INPUT	10-point gloved multi touch + digitizer screen - Supports bare-hand touch and gestures and electronic waterproof stylus pen - Supports glove mode and wet-touch mode 1 Tablet buttons (2 user-definable) Integrated stylus holder On-screen QWERTY keyboard		
CAMERAS	720p webcam with mic 8MP rear camera with autofocus and LED light		
EXPANSION	Optional MicroSDXC3		
INTERFACE	Docking connector		
WIRELESS	Dptional integrated 4G LTE multi carrier mobile broadband with satellite GPS Optional GPS (u-blox NEO M8N)? Intel® Dual Band Wireless-AC 8260 [IEEE802.11a/b/g/n/ac] Bluetooth 41, Classier mode/ Low Energy mode, Class 1 [Windows 10 pro 64-bit] Security - Authentication: LEAP, WPA, 802.1x, EAP-TLS, EAP-FAST, PEAP - Encryption: CKIP, TKIP, 128-bit and 64-bit WEP, Hardware AES Dual high-gain antenna pass-through		
POWER SUPPLY	Li-lon battery pack: - Standard battery: Li-ion 11.1 V, 4200 mAh (typ.), 4080 mAh (min.) - Optional long life battery? Li-ion 10.8V, 9300mAh(typ.), 8700mAh (min.) Battery operation! - Standard battery: 14 hours - Optional long life battery?: 28 hours Battery charging time! - Standard battery: 25 hours off, 3 hours on - Optional long life battery?: 3 hours off, 4 hours on Optional bridge battery! (I minute swap time)		
POWER MANAGEMENT	■ Suspend/Resume Function, Hibernation, Standby		
SECURITY FEATURES	Password Security: Supervisor, User, Hard Disk Lock Kensington cable lock slot Trusted platform module ITPMI security chip vz 0°3 Computrace® theft protection agent in BIDS8 Optional Insertable SmartCadr feader ²² Optional Contactless SmartCadr/HF RFID reader ² -ISO 15693 and 14643 API compliant		

RRANTY year limited warranty, parts and labor	
ENSIONS & WEIGHT ⁹	

10.6"[L] x 7.4"[W] x 0.8"[H] 2.4 lbs. (standard battery) 3.0 lbs. (optional long life battery)²

INTEGRATED OPTIONS¹⁸

4 G LTE mutti carrier mobile broadband with satellite GPS

Choice of 10/20 barcode reader [EATI or EA21], GPS, Serial Dongle, Ethernet, MicroSDXC or second USB 2.0 port⁹

Choice of bridge battery, magstripe reader, insertable SmartCard reader, insertable SmartCard reader with bridge battery, contactless SmartCard/RFID HF reader or UHF 900MHz RFID reader [EPC Gen 2]²³

SORIES ¹⁰	
dapter (3-prong)	CF-AA6413CM
dard Battery Pack	FZ-VZSU84A2U
Life Bettern Beeld	E7 V7CH00H

7160-0486-00-P CF-H-PAN-702-P

















APPENDIX 1.4: CAMERA EQUIPMENT (CANON 5D MARK IV)









APPENDIX 1.4: CAMERA EQUIPMENT (SIGMA 50mm f/1.4)







Incredible resolution ideal for the high-megapixel era. Introducing the new benchmark large-aperture standard lens

In 2008, Sigma released a large diameter standard lens designed for digital SLRs, "SIGMA 50mm F1.4 EX DG HSM". At that time, products for film cameras were prevalent, yet we spent enormous effort to set a new benchmark for the 50mm lens that optimizes the characteristics of digital cameras, such as compensating peripheral brightness, controlling the point images in the corners, and improving the image drawing, not only around the focusing point, but also other areas in the image.





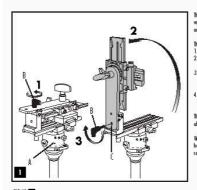


APPENDIX 1.4: CAMERA EQUIPMENT (MANFROTTO 303 SPH)





303SPH SPHERICAL "VR" HEAD



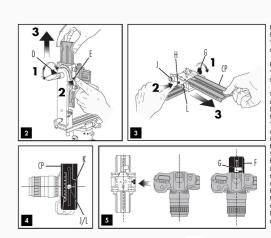
- the next. The ability to position the camera so the "Hodal Point" of the lens(the frontlens) is eactly above the paramanic axiso frotation, to eliminate any parallax problems between the near and distant objects in the scene.
- the near and distant objects in the scene. An additional to lating axis that enables you to shoot several panoramic sequences at different vertical angles in order to achieve a complete spherical scene

The spherical "VR" head comprises three main modules that perform the functions mentioned shore in points 2, 3 and 4.

libles your tripodhas a but i'n levelling derive forch as the Man Form M Ne'Ve tripod's Sham half ball), you vall need to use one of the levelling accessories available Form the Man Forb range to ansure accurate levelling of the head (see point 1).

fix he levelling device (no supplied) is the tripod, then fix the "PS" head on the levelling device via lenale at takment "X".

Completely-remove knob "B", rotate the bracket into the vertical position as shown in Eg. 1 and look it in place by streving the knob "B" in in hole "C".



MOUNTING THE CAMERA 2 3 4 5 Remove the top assembly (fig. 2) by releasing knob "D". To slide it completely out of the housing, push safety button "E".

emove camera plate "CP" (fig. 3) by releasing kno "G". To slide it completely out of the housing, push safety button "H".

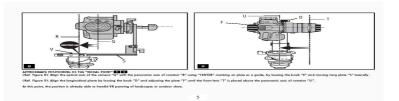
crew "J" (fig. 3) is 1/4 in; "L" is 3/8 in

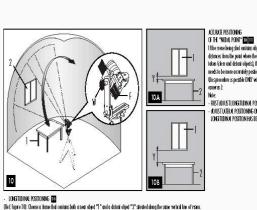
scree "I" (fig. 3) is 1/4 in: "1" is 3/8 in. Bepending an your armen tripded tottoment, choses the correct scree and use it to fix your camera to plate "I" (fig. 4). Use a cost or screen/her to lock take care to olign the lens with the cente of the plate indicated by letter "I". Mouth the camera on the top assembly as show in figure 5 by siding the camera + plate into the boosting followings the direction shown by the "invest" crow. Lock in pince using knob "O": before locking, take care olign the lens with the long plate !" — the lien acts must be perictly above the slot of the plate as shown in figure 5.

fligure 5.

The angle of the lever on the ratchet knob "G" can be repositioned as required without effecting the lock itself. Pull the lever outwards, rotate as required and release and it will locate in the new position.

Mount in the American Internation Land Internation Land International Control Lands (International Control Lands) and International Lands (International Control Lands) and International Lands (International Control Control



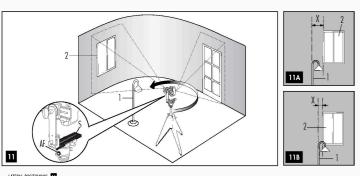


One type in Quantization and continuous man content upon 1 outcomes upon 2 or well-continuous man are record.

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2. For optimes mess, Ir. A continuous optimes of the decidency of the "Not Para" has been predicted.

One flergid position is wherein in a Manda (Manda Ira) in memorize it by noting the greation of the paties "Y on the index on the gradual state."



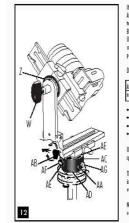
• LACKEL (COSTICUTION LACK)

(Ref. Figure 11): Choose a frame that contains both a near object "1" and a distant object "2" shurded along the same harizontal line of vision.

1. (See Figure 11): Choose a frame that contains both a near object "1" and a distant object "2" shurded along the same harizontal line of vision.

1. (See Figure 11): An and 110): unscrew knob" AF" and move the camera around the paracramic axis so that the two objects are first on the left hand side of the frame, then on the right. Check whether the horizontal gap "X" between the two objects varies in the two frames: the more constant the distance remains, the more occurately the "Nodel Paint" has been positioned.

Once the right position is achieved it is YERY USEFUL to memorise it by noting the position of the plate "5" on the index on the graduated scale.



inconclusions entry severation, exentioners activately as a service service of different rapids from the bottantal Fisty would be depended as on the service of protoconciscoperacy on will need to complete the sphere depending on the rapid of the less you will be using. Before strating with the pronormic sequence, do uses the initial ventical rapids using the round scale (2" (fig. 12) Unscored lodings trank "IL" or remove it completely if you do not need fit must be used to completely strap vention when the bead is used in our-restrict position, with covid any scaletal inversement of the bead in any position). convences taken at different analys from the horizontal. First you will need

Decide the number of shots or the angle of rotation between each shot for the first panoramics equence (see the chart below)

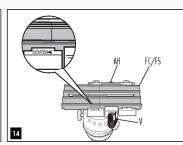
Some knab "No" into the selected setting holes "NA".
 Belaces locking lever "NB" and notite the camers on top plate "NB" to the position of the fistisher.
 Belaces locking lever "NB" and notite the camer lame "NC" with the first "clock snap" is readed, then lock lever "NB".
 Nike the first shot and then notite the camers in the near" clocking "without relevaing "NB" and notice the near shot.

sphere: change the vertical angle using knob "W" and round scale "Z", and repeat the operations described above for each full sequence.

The base of the bead "ND" has protocred scale markings from 0 to 300° and a reference index "NE" on the central barral "NC". This is to be used to set angles not no the chart, howe the bead in this way, valuable holds" to diseaguee the "dick stoy" during rotation of exertal barral "NC" and use the leading knob "NE" to lack the position during showing.

NOTE: The angle of the lever on the anticlet kn ob "AB" can be repositioned as required without effecting the lock itself. Pall the lever owners, rotate as required and release and itwill locate in the new position.

ADDITIONAL PLATES 13



If you here very compact camera we suggest you to use the short plates "SC" (fig. 13) and "FC" (supplied with the head) instead of the two long plates "F" and "S" in order to reduce space and weight of the system.

To replace the plate "S" uncorew screw "SD" (fig. 13)

To replace the plate "F", places refer to fig. 6 and unscrew screw "O"

USE OF THE KIT AS AN OBJECT PANORAMA TURNTABLE 14

The lead can also be used a shrinklet, useful for shooting optical panarams. For this use, losen knob "4" and push button "AH" to slide the lower plate "5" out of the housing on the ponaramic rolation base until in place of the long plate and to passembly, mount one of the No shorter plates supplied as a base for your object. The plate housing has a "center" mark to help you position your object accurately above the center of panaramic rolation.