

GENERAL
This drawing is to be read in conjunction with the standard drawings and relevant details by Gridserve

Installation to comply with all applicable standards and regulations.

Below ground and concrete detail by structural engineer (SE).
Any discrepancy in the drawings or specification to be brought to the attention of the Envevo project manager (PM) for further instruction.

APPROVED SITE PLAN AND SURVEY

INTERSECT SURVEYS - 1007112-001UNDERGROUND UTILITY LAYOUT & TOPOGRAPHICAL SURVEY (OCTOBER 2023)

If ground conditions appear to be unsuitable structural engineer to be consulted.
Contractor must survey and scan all areas prior to works commencing to ensure no unidentified hazards. Any temporary diversions or disconnections to be agreed with Envevo PM prior to works. All to be reinstated/tested/certified as required upon completion of works.

SITE PREPARATION
Allow for complete site preparation to areas of construction.
All levels to be maintained as existing and/or as per drawings. Any 'soft spots' discovered to be reported to PM/SE for further assessment and instruction.

CHARGER UNIT & BASE

The charger bases are to be a NAL access chamber, socket & adapter plate system (adapter plate to suite ABB Terra High Power Gen III Charger) and installed to manufacturers detail and instructions.
Bases for the chargers will be installed at the correct level to suit adjacent finishes and will have to be covered/ capped to ensure safe and suitable level access for pedestrian and vehicular traffic ensuring no trip/slip hazards are created in an expansion scenario. Upon expansion works, covers must be easily removed in order for the charger.

POWER PACK UNIT & BASE

The power pack bases are to be a NAL access chamber, socket & adapter plate system (adapter plate to suite ABB Terra High Power 175) and installed to manufacturers detail and instructions.
Bases for the power packs will be installed at the correct level to suit adjacent finishes and will have to be covered/ capped to ensure safe and suitable level access for pedestrian and vehicular traffic ensuring no trip/slip hazards are created in an expansion scenario. Upon expansion works, covers must be easily removed in order for the charger.

HV ENCLOSURE AND BASE

DNO substation installed on concrete base to standard details.

WILSON SUBSTATION/INTEGRATED LV FP CABINET
Concrete base as per Marks Heeley SE detailed design provided by Envevo

SCADA / Griderve EQQ
Pre Cast Concrete base details to be provided by Envevo

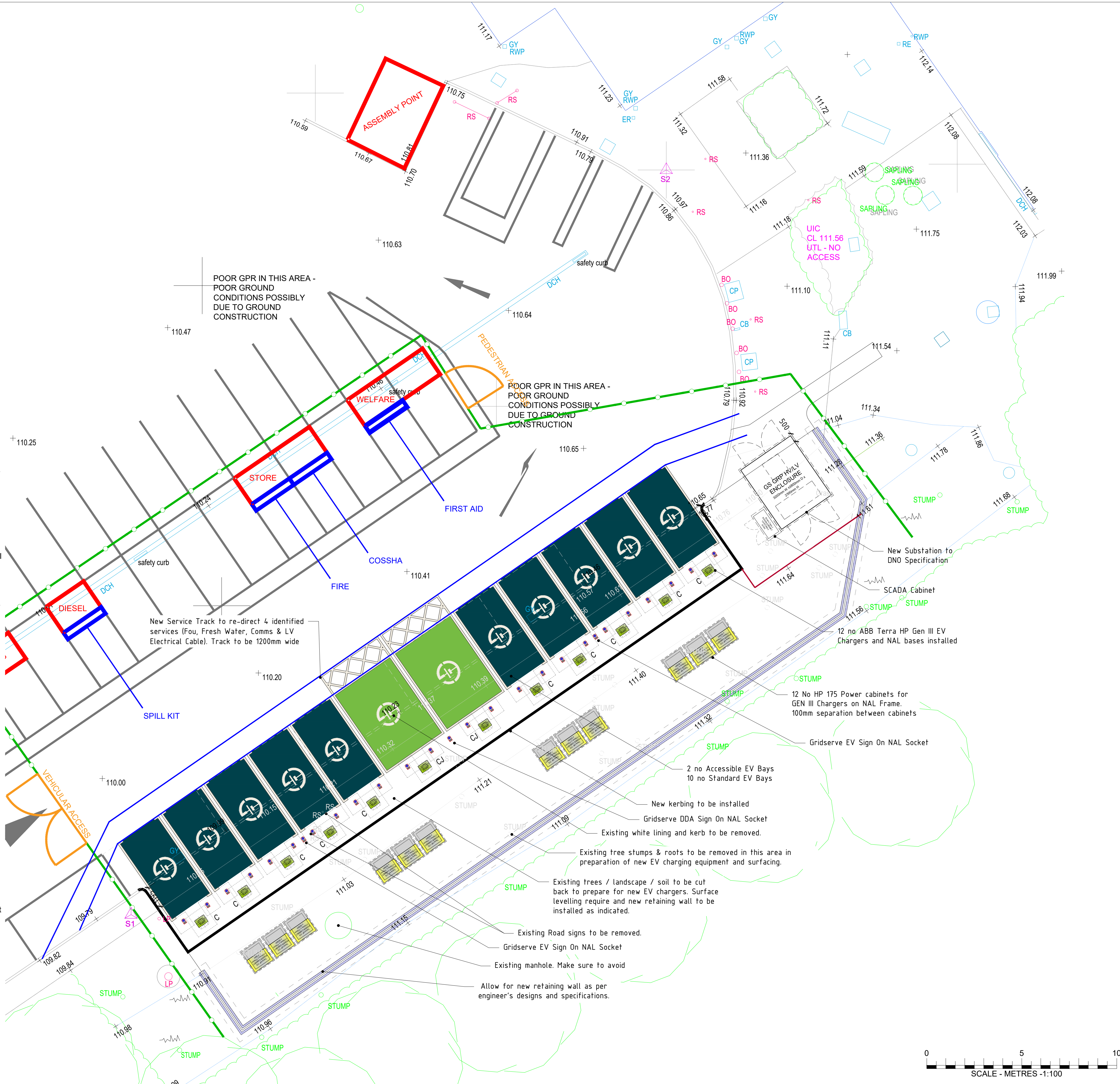
CHARGING BAY SURFACING
Existing Asphalt to be resurfaced to match existing as shown.

All ductwork trenching to Envevo details

DUCT ACCESS CHAMBERS/DRAW PITS
Use NAL STAKKAbbox module installed to manufacturers instruction.
Frames and covers to be galv steel suitable for vehicular traffic D250 spec

BOLLARDS

190A STAINLESS STEEL BOLLARDS .
Manufacturer: Architectural Street Furnishings or Equivalent
- web: www.asfco.co.uk
- tel: 01484 401414 .
- Product reference: ASF 5002/114.
Material: Grade 316 Stainless steel.
- Finish: Manufacturers standard - Satin brushed.
Height above ground: 1000mm. Product height 1470mm as standard.
Sectional size: 114mm diameter.
Top: Slightly domed.
Special features: 1 x green reflective strip (RAL 6018) that conform to all relevant legislation and installed to manufacturers specification.
Include for the supply and installation of NAL RS115 retention socket to manufacturers instructions.

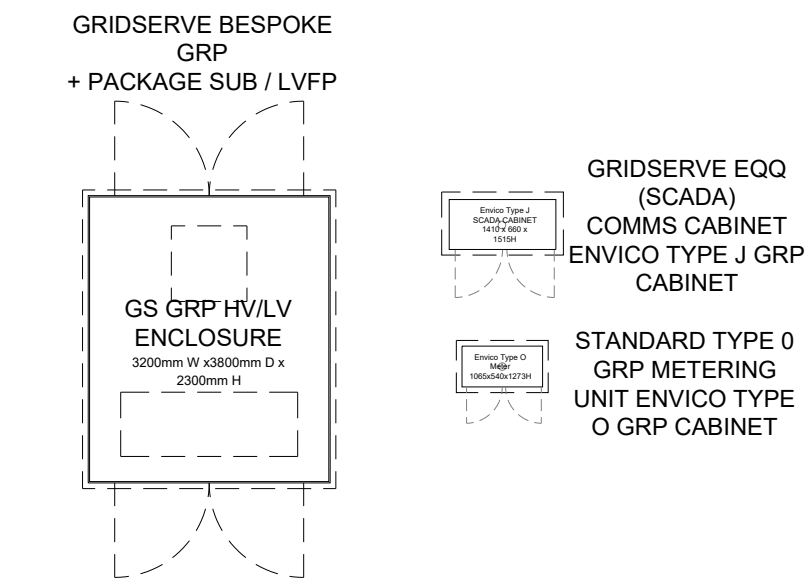


DRAWING NOTES

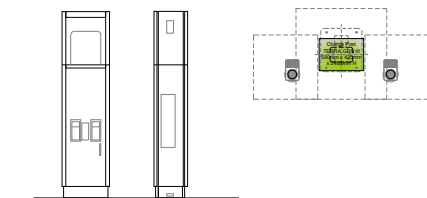
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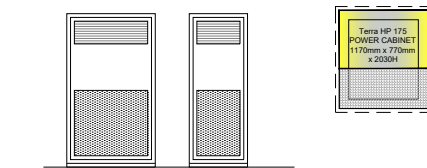
STANDARD HV LV ARRANGEMENT & EQUIPMENT



CHARGING POST
ABB - TERRA HP GEN III
Unit Size 590mm x 425mm x 2463mm H



CHARGING CABINET
ABB - Terra HP 175
Unit Size 1170mm x 770mm x 2030mm H



F	25/01/24	Powerpack position amended	NB
E	09.11.23	Retaining wall illustration updated	DM/ACM
D	27.10.23	New TOPO / GPR survey received and applied.	ACM/MBH
C	31.08.23	Bollard spec notes & Charger setting out updated	ACM/MBH
B	17.08.23	New location, additional chargers added	ACM
A	22.02.22	Future Use Details added + GPR survey results	PSB
REV	DATE	DESCRIPTION	DRAWN/CHECKED
REVISION NOTES			

WORKING DRAWING



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PROJECT
MOTO BIRCH EAST
M62 EASTBOUND JCT 18/19
HEYWOOD, LANCASHIRE
OL10 2QH

DRAWING TITLE
DUCTWORK

DRAWN BY PSB	DATE 17.08.23	SCALE 1/100	PAPER SIZE A1
CHECKED BY MBH	DRAWING NUMBER ENV2268-101	REV. F	