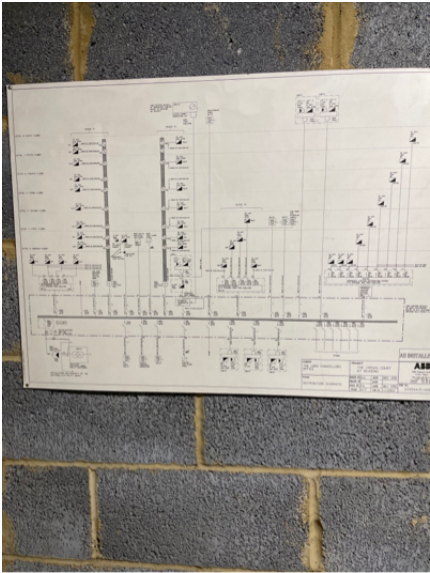


Engie - EV Site Survey Form

Clients Name	HMCTS READING CROWN COURT
Survey Date	12 Apr 2022
Engie Engineer	Ian Crossley
Site Contact Email & Number	
Address and Post Code	
Brief short description of project	2 x 7kW dual 2FC wall mounted chargers with new EV DB & Router - new EV DB fed from spare switch
Health and safety	
Will a site induction be carried out (This is required if you are surveying on your own) Induction to address the following: Emergency Fire Procedure First Aid Provision Works Permit System	Yes
Will a member of staff or client be present at all times during the survey	Yes
Asbestos Is there any Asbestos Containing material on site	Yes
If yes where is it located and is it managed and in good condition	Check before work is carried out
If this cannot be confirmed DO NOT ENTER	
If no confirmations can be obtained ASUME ASBESTOS IS PRESENT	
*Confirm you will use PPE as appropriate, including high visibility clothing and safety footwear.	Yes
*Confirm you have assessed site traffic management hazards and will avoid vehicles, moving plant and machinery. You will always keep to any marked pedestrian zones,	Yes

walkways and crossings	
*Do Not: Use Ladders, Work at height (above or below Ground) or Enter Confined Spaces.	
* Electrical Safety: Observe only no dismantling of equipment and comply with all Electrical Danger Signs warning of electrical danger may not always be easy to see or may have been removed, STAY VIGILANT	
Incoming Supply Details	
Earthing Arrangement	TNS
Main Tails Size (mm)	Unknown
Main Earth Size (mm)	Unknown
Earth Bonding Size (mm)	Unknown
Gas Main Bond	Yes
Water Main Bond	Yes
Steel Main Bond	Yes
Lightening Main Bond	Yes
Earthing	
Main Cut Out Size (amps)	800
Maximum Demand From Meter	Assumed ok
Meter Serial Number	
Meter location description	
Meter location GPS	

Estimate Spare Capacity	Assumed ok
Main Switch BS Number	
Main Switch Current Rating (amps)	800
Main Switch Photo	
Other Notes	
Incoming Supply Loadings or DB Loadings Distribution Board Details	
D/B Existing Make or New Required	New EV DB required spare 100qmp TP&N switch
Spare Ways Yes	Yes
Spare Ways No	No
Distribution Board Reference	EV db
Shutdown Required and Notice Period	No spare switch available
Existing Distribution Board	

Fuse Type	
DB Cable size	
New Distribution Location	
Other Notes	
L1 (amps)	
L2 (amps)	
L3 (amps)	
Neutral (amps)	
New Charger Details	
Proposed Rating/Amount/Type	7kW 2Feeder cable
Dual or Single outlet	Dual
Mounting Type	Wall
Number of Chargers	2
Number of bays to be used by charger	4
Back Office Required	Yes
Charger Branding Required	Yes

Smart Network Required	No
Charger Locations	Pillar mounted
Charger Location GPS	
Charger 1 location	
Charger 2 Location	
Charger 3 Location	
Additional charger Locations	
Feeder Pillar Location	
Feeder Pillar GPS Location	
Charger Notes	
Existing Chargers	
Other Charger	No
Existing EV Charger Type, amount and KW?	
Existing chargers	
Existing Charger Notes	
Risk Assessed For Simultaneous Contact	
Is the incoming supply PME?	Not Applicable
Is simultaneous contact applicable (Outdoors)?	Not Applicable
Are the charger/s to be converted to TT System?	No
If PME has the area been assessed for conductive parts connected to PME?	Not Applicable
If PME is it possible to touch any conductive parts connected to PME and conductive parts connected to TT System, Vehicle is included?	Not Applicable

If the answer is yes above and no other location available can suitable insulation or barrier be provided for conductive parts connected to PME?	Not Applicable
If none of the above is possible is it possible to convert the whole installation to TT System (last resort)?	
Other Notes Simultaneous Contact	
Alternative to TT - Install PEN Monitoring device (Matt:e)	Not Applicable
PEN Monitoring Device location	
Checklist for Commercial and Industrial Location	
Are there any hazardous zones where flammable/combustible gases may be present?	No
Have the boundaries of the hazardous zones been identified?	Unknown
Can the installation be carried out so the charged vehicle, cable and connectors are outside the hazardous area when charging?	Yes
Is the incoming supply a metered supply?	Yes
Is the existing supply adequate for the additional demand?	Yes
Has the earthing arrangement of the incoming power supply been established?	Yes
Are the existing earthing and bonding arrangements compliant with BS7671?	Yes
If the supply is PME, have precautions necessary to prevent danger in the event of an open circuit neutral been identified and addressed?	Not Applicable

Has planning consent been granted/considered for the charging equipment installation?	Unknown
Has all the manufacturers instructions been taken into account for the installation?	Yes
Have the details of the installation been discussed with the client and or landlord?	Unknown
Have and necessary repairs to the existing installation been discussed/agreed with the client?	No
Any further notes on the above section?	

GSM Signal Readings For Back Office Only

Notes on mobile signal	Router required and aerial - power required for router - 30m from installation on existing containment
Mobile Signal Photo No1	
Mobile Signal Photo No2	
Remote Signal Booster / Modem required	Remote router required to rear entrance
Location & cable route	

Cable Routes

Cable Runs Length Total (m) per Charger	1 x 25mm 4m - 20m x 4 for chargers all cables on existing containment apart from 1m drop to chargers and DB
Cable Route No1	

Cable Route No2	
Cable Route No3	
Cable Route Comment	
Additional Containment	3m of additional containment
Additional Containment	
Special Access, Scaffold etc	
Additional Containment Comment	
Civil Engineering Works	
Charger Bases	
Charging Post - Root or bolt down	
Trenching Soft Dig (m)	
Trenching Block/Tarmac Dig (m)	
Trenching Concrete Dig (m)	
Core Hole	
Road Plates	
Cable Inspection Pits	
Earth Mats	

Crash Bollards	
Wheel Stops	
Signage	
Feeder Pillar Base	
Civil Engineering Photo No1	
Civil Engineering Photo No 2	
Civil Engineering Photo No 3	
Line Marking	
Line Marking Required	
Bays for Line Marking No 1	
Bays for Line Marking No 2	
Line Marking Surface No 1	
Line Marking Surface No 2	
Comments	
Additional Notes	
Comments	
Agreed Works by Customer	
Additional Photos	
Additional Photos	
Additional Photos	
Additional Photos	
New Field	