

- Notes:
- This drawing is to be read in conjunction with all drawings and specifications.
 - The Contractor shall refer to the Rolec installation pack to ensure that the requirements are understood.
 - The contractor shall be responsible for the provision of the sub-main cabling from the MSDG to the isolator located within the electrical Cupboards/feeder pillars, final termination of cabling and installation of car chargers.
 - The contractor shall be responsible for supply and install of the containment system and equipment to complete the installation to comply with BS7671 18th Edition and amendments.
 - Final ducting between main runs and charger to be 750 flexible ducting. All ducting to be provided with draw wires.
 - Car charging distribution boards shall be supplied and installed by contractor, including all termination of cable into these boards.
 - The contractor shall provide Wifi Hub, to enable connection from the charging station to the Rolec distribution boards.
 - All post mounted chargers to be supplied with barrier protection.
 - All control cabling to be wired in screened 7-2-2c: Def Stan.
 - Post mounted charging points require a concrete base of 200mm(W) x 200mm(L) x 300mm(D).
 - Number of way of distribution board based on single module double pole RCBO protection.

Legend:

- SP ● Post mounted Single Electric Vehicle Charging (Apartments) Wired from feeder pillar
- TP ●● Post mounted Twin Electric Vehicle Charging (Apartments) Wired from feeder pillar
- TP ●● Post mounted Twin Electric Vehicle Charging (House) Wired from feeder pillar
- SP ●● Post mounted Single Electric Vehicle Charging (House) Wired from feeder pillar
- W ● Wall mounted Single Electric Vehicle Charging (House) Wired from House
- ⊠ Pull Chamber (450(L) x 450(W) unless otherwise specified)
- Underground cable duct (Ø100 mm unless otherwise specified)
- WiFi ● Wifi Hub/3G/4G (Located within feeder pillar unless otherwise stated by Rolec)

Communications	4G LTE Cat-1 (built-in nano SIM, subscription required) LTE FDD: B1/B3/B5/B7/B8/B20/B28 GSM: 82/B3/B5/B8 NFC 13.56 Mhz RJ45 Ethernet connection Bluetooth Low Energy (BLE 4.1) 2402-2480 MHz (for installer configuration purposes) OCPP 1.6J Cyber security – Data encryption level TLS 1.2
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Wall Mounted Electric Charging Point (Rolec Zura Single)



Post Mounted Electric Charging Point (Rolec BasicCharge Single/Double)

- Safety: Health and environmental information unusual significant hazards
- It is assumed that all works will be carried out by a competent contractor working, where appropriate, to an approved method statement, in addition to the hazard database normally associated with the type of work detailed on this drawing note the following:
- Construction
- Working at high height to install all new high level services shall be managed safely, using the correct equipment.
 - During the creation of new build/renovation holes for cables to pass through workers should be using the correct PPE equipment.
 - The use of portable tools should be done through 110V supplies only
- Maintenance/cleaning
- The installation of MEPH equipment has been coordinated during the design stage to ease maintenance and avoid unnecessary risks.
- Operation
- There are no unusual operation risk identified.

Ducting Bending Radius Table		
Duct radius to be in accordance with the following table D = Diameter of Duct		
Duct Size	Bending Radius	
	BCW	Others
900	15D-25D	12D
1000	15D-25D	12D
1250	15D-25D	12D
1500	15D-25D	12D
2000	15D-25D	12D

Details of External Street ET9 Cabinet



CODE	Width (mm)	Depth (mm)	Height (mm)
ET9	1400	660	1515

External EVC Equipment Cabinet - ET9

REF	Cutout Required	Phase	No of 7kw EVC
#6	100A (69kva)	3-Phase	21 (27 Max)
#7	100A (69kva)	3-Phase	21 (27 Max)
#8	100A (69kva)	3-Phase	21 (27 Max)
#9	80A (55kva)	3-Phase	9 (21 Max)
#10	100A (69kva)	3-Phase	12 (27 Max)

Feeder Pillar Electric Supply Cabinet



EXISTING SITE PLAN OF PHASE 2C

REV	DESCRIPTION	DATE	MY NAME
P01	Preliminary Issue	22.05.25	MY NAME

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Do not scale from this drawing.



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STATUS: Preliminary Issue PROJECT NUMBER/TITLE: J7017 - Gorse Ride, Phase 2B			
DRAWING TITLE: Site Wide Electric Vehicle Charging Layout			
DATE /	22.05.25	SCALE	As indicated 1:250@A0
DRAWN BY	MY		
DRAWING NUMBER	700399-DBL-SW-00-DR-E-6000		REV P01