This is a performance drawing and issued for pricing, guidance. The Installation Contractor shall produce all working drawings, including coordination drawings with other Trades and the Builder. This drawing shall be read inconjuntion with the specification, schedules that are associated with this project. This is an A1 drawing. This drawing is copyright of Barry O'Neill Ltd trading as BBSC

REVISION HISTORY

Rev	Description	Date	By

NOTES.

1. ALL DUCTS TO RISE FROM GROUND TO 150mm AFFL USING HOCKEY STICK DUCT BENDS
2. ALL DUCTS TO CONTAIN PULL CORDS 7.5KN RATED ROPES
3. REFER TO ESB, VIRGIN, EIR FOR DUCTING STANDARDS
4. REFER TO ESB, VIRGIN, EIR AND OTHERS FOR MANHOLE, PULL CHAMBER SPECIFICATIONS

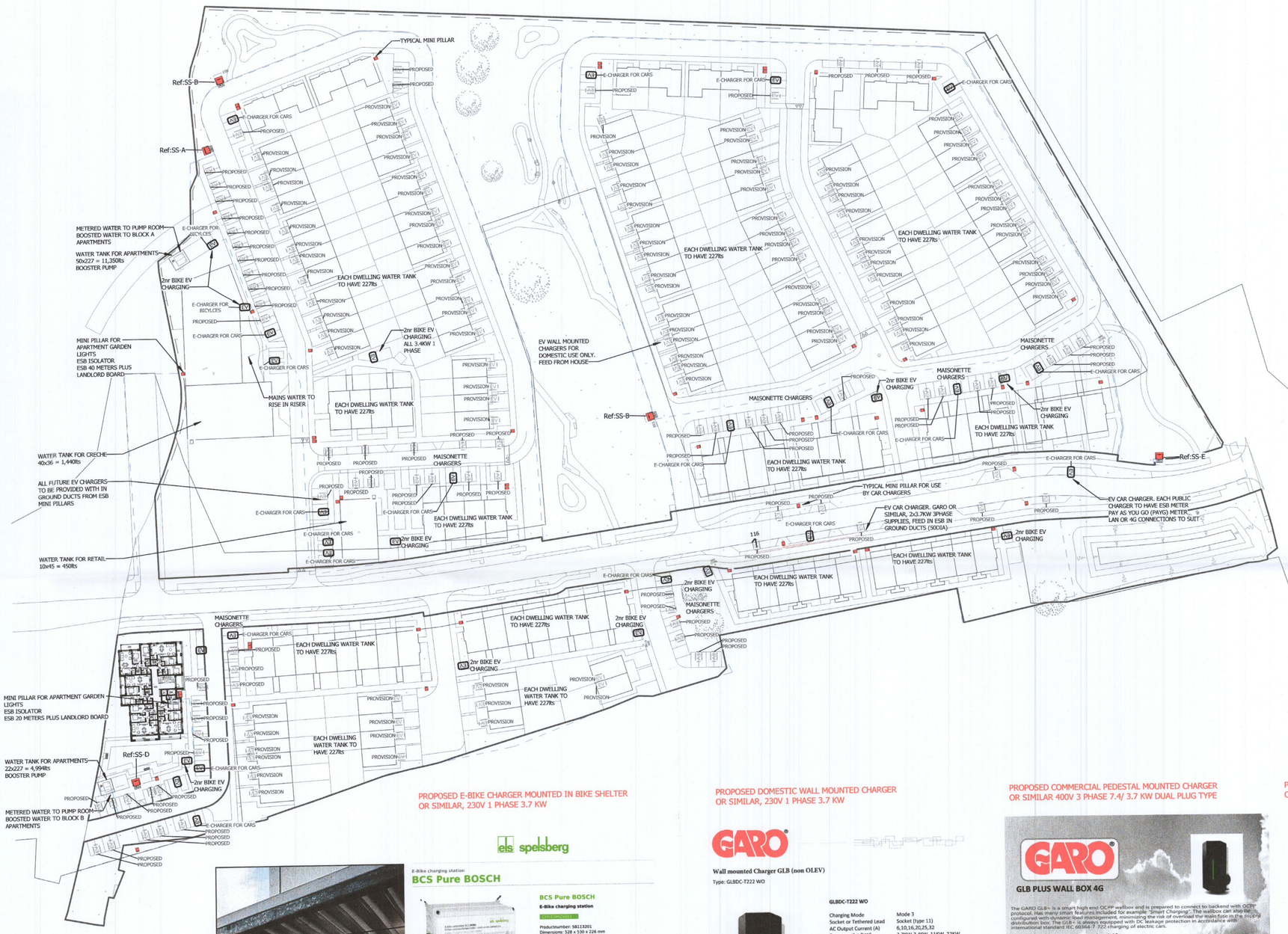
LEGEND OF CHARGERS

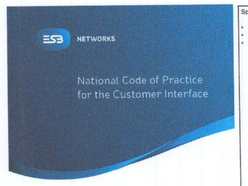
- EV — PUBLIC CHARGING POINT 2 OUTLETS EACH FOR VEHICLES
- EV — PUBLIC CHARGING POINT 2 OUTLETS EACH FOR BICYCLES
- EV — DWELLING CHARGING POINT 1 OUTLET PER DWELLING IN CURTILAGE
- EV — PROVISION OF PUBLIC CHARGING POINT WITH DUCTING PROVISION PROVIDED AS PER PART L 1.4.6
- EV — PROVISION OF DWELLING CHARGING POINT AS PER PART L 1.4.6.

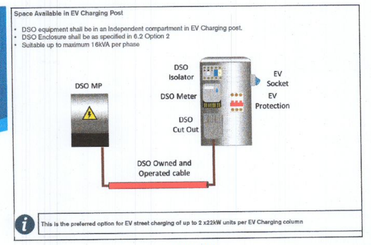
EV CHARGRS	
Count	Comments
12	E-CHARGER FOR BICYCLES
20	E-CHARGER FOR CARS
1	FUTURE
75	PROPOSED

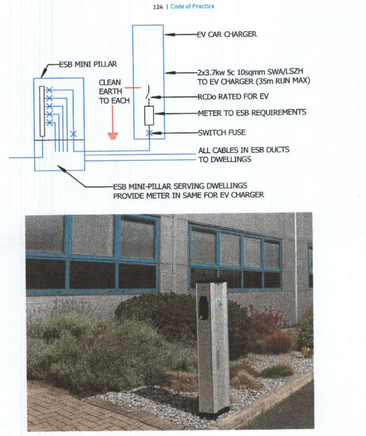
Grand total: 108

BASED ON 192 CAR PARKING SPACES AND 144 BICYCLE PARKING SPACES, NOTE SOME BIKE PARKING SPACES ARE STORAGE ONLY.
EACH CHARGER CAN ACCOMMODATE 2nr VEHICLES/ BIKES









INSTALLATION EXAMPLE OF E-BIKE CHARGER MOUNTED IN BIKE SHELTER

PROPOSED E-BIKE CHARGER MOUNTED IN BIKE SHELTER OR SIMILAR, 230V 1 PHASE 3.7 KW

spelsberg

E-Bike charging station

BCS Pure BOSCH

BCS Pure BOSCH

E-Bike charging station

Product number: 58113201
Dimensions: 528 x 530 x 226 mm

e-bike charging station, monitored and controlled charging for the e-biker and charging station operator, grey, similar to RAL 7035, with printed cover, fixed cable system, including status display of individual charging points, can be connected to 230/400V grid, product delivered ready for connection for rapid and easy wall-mounting

four charging points, of which 2 x Bosch, 2 x SCHUKO® 230V

Technical Data

Built-in devices

SCHUKO® plug socket (on side), 230V:	2
Bosch charging point:	2

electrical characteristics

Rated operating voltage AC:	230 V
Rated operating voltage DC:	50 V
Max. conductor cross section:	4 mm²
Min. conductor cross section:	1,5 mm²
Protection class:	II
Type of protection:	IP54
ventech:	yes

Colours

Base unit colour:	grey
Cover colour:	White translucent

Additional features

Mobile app:	No
Management portal:	No

Dimensions

Width:	528 mm
Length:	530 mm
Height:	226 mm

Created at 07.11.2022. All statements without guarantee. We reserve the right to make improvements to technical progress. Spelsberg GmbH & Co. KG

PROPOSED DOMESTIC WALL MOUNTED CHARGER OR SIMILAR, 230V 1 PHASE 3.7 KW

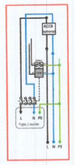
GARO

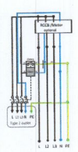
Wall mounted Charger GLB (non OLEV)

Type: GLBDC-T222 WO

GLBDC-T222 WO

Charging Mode	Mode 3
Socket or Tethered Lead	Socket (type 11)
AC Output Current (A)	6,10,16,20,25,32
Power outlet [kW]	3.7KW,7.4KW, 11KW, 22KW
Rated voltage [V AC]	230 / 400
Frequency [Hz]	50
Temperature range [C]	-25...+40
Degree of protection (IP)	44
Weight(KG)	3.2
Location	Wall or GLB Stand
DC Monitoring	Standard
Load management	Yes, with GNM3D/3T-rs485
Local Meter	Option, with GNM3D-rs485
Input for timer/low tariff	Standard, with DV2K timer
Wifi Card	Option
RFID	Option with Wifi card
Communication	Option, with G-Cloud
Certification	EN 61851-1, IEC 61439-7





PROPOSED COMMERCIAL PEDESTAL MOUNTED CHARGER OR SIMILAR 400V 3 PHASE 7.4/ 3.7 KW DUAL PLUG TYPE

seai SUSTAINABLE ENERGY AUTHORITY OF IRELAND

Office for Low Emission Vehicles

GARO

PROPOSED COMMERCIAL GROUND MOUNTED CHARGER OR SIMILAR 400V 3 PHASE 7.4/ 3.7 KW, DUAL PLUG TYPE

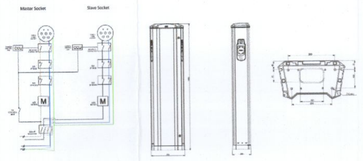
GARO

Ground Mounted Charger LS4 (OLEV approved)

Type: LS4DCMT274WO-LAN

LS4DCMT274WO-LAN

Charging Mode	Mode 3
Socket or Tethered Lead	Socket (type 11) X 2
AC Output Current (A)	6,10,16,20,25,32
Power outlet [kW]	3.7KW,7.4KW
Rated voltage [V AC]	230 / 400
Frequency [Hz]	50
Temperature range [C]	-25...+40
Degree of protection (IP)	54
Weight(KG)	24.5
Location	Ground / Wall mounted
DC Monitoring	Yes,
Load management	Standard with GNM3D / 3T
Local Meter	Standard
Communication	Local Area Network (LAN)
RFID	Standard
Protocol	OCPP1.5 / 1.6
Certification	EN 61851-1, IEC 61439-7



GARO

Client	KELLAND HOMES LTD
Architect	DAVEY-SMITH
Structural	
Planning	ARMSTRONG FENTON
Fire Consultant	

BBSC

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App'd	Approver	Chk'd	Checker	Eng'r	Designer	Drawn	Author

Site
CLONBORRIS K1 DEVELOPMENT
DUBLIN

Drawing Title
EV CHARGERS & APARTMENT WATER REQUIREMENTS

Project Nr.	Scale	Date	Sheet Size
22_0322	As indicated		A1

rev:- rev date :-

ISO file Reference: CLB-BBSC-X-0-DR-ME-6002
Project Status: PLANNING

14/11/2022 13:05:31