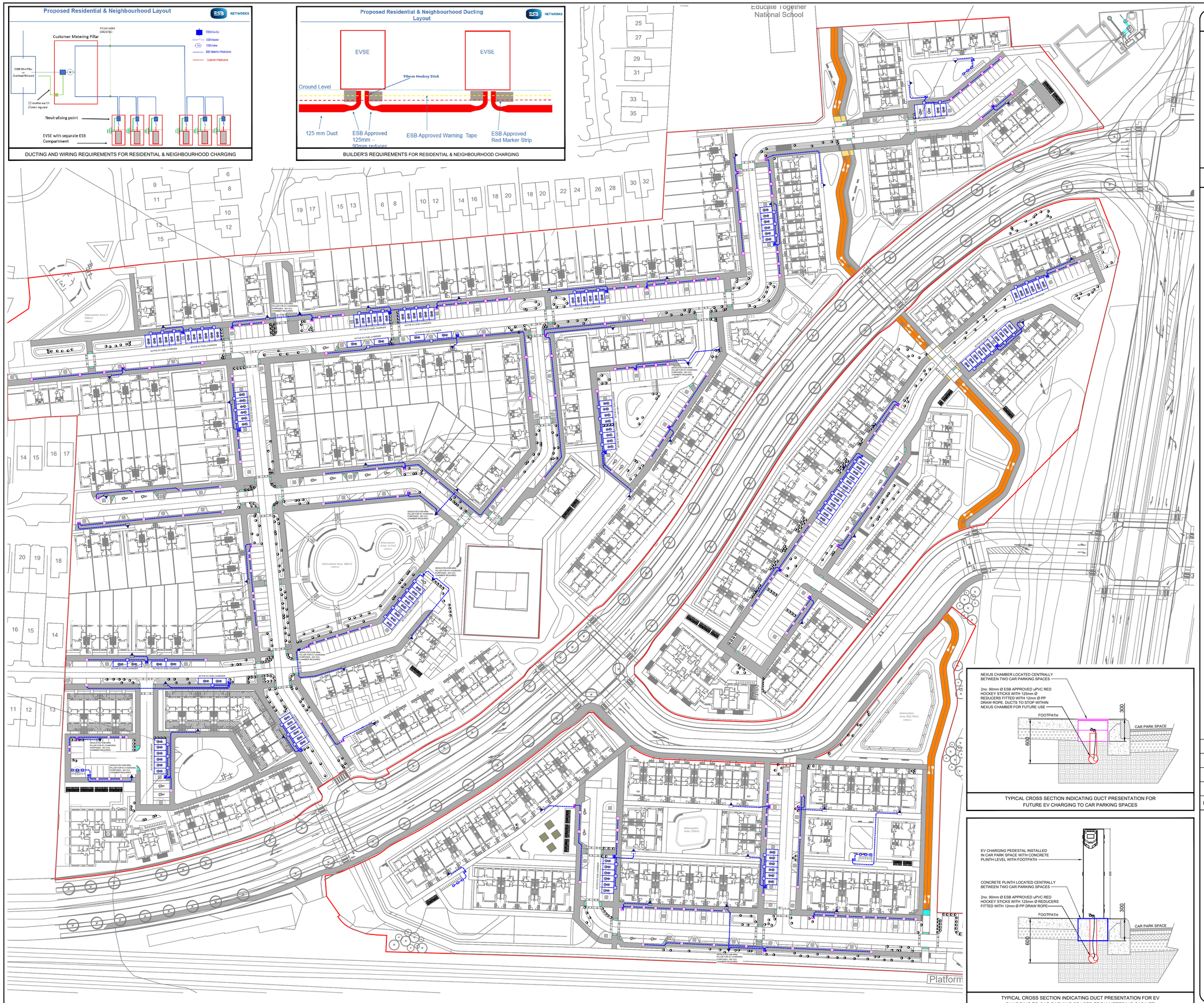
DUCTING AND WIRING REQUIREMENTS FOR RESIDENTIAL & NEIGHBOURHOOD CHARGING

BUILDER'S REQUIREMENTS FOR RESIDENTIAL & NEIGHBOURHOOD CHARGING



TYPICAL CROSS SECTION INDICATING DUCT PRESENTATION FOR FUTURE EV CHARGING TO CAR PARKING SPACES

TYPICAL CROSS SECTION INDICATING DUCT PRESENTATION FOR EV CHARGING TO CAR PARKING SPACES FROM METERING CABINET

NOTES

1. DO NOT SCALE FROM THIS DRAWING. USE FIGURED DIMENSIONS ONLY.
2. THIS DRAWING IS TO BE READ IN COLOUR AND IN CONJUNCTION WITH ALL OTHER RELEVANT ARCHITECTURAL AND ENGINEERING DRAWINGS.
3. FINAL DETAILS OF DUCTING AND CABLING REQUIREMENTS ARE SUBJECT TO CONFIRMATION BY ESBN.
4. FINAL LOCATION OF ELECTRIC VEHICLE SUPPLY EQUIPMENT (EVSE) TO BE CONFIRMED ON SITE WITH EV SPECIALIST PRIOR TO INSTALLATION.
5. PROVIDE FOR CONTINUOUS 10mm PP DRAW ROPE SECURED AT BOTH ENDS IN EACH DUCT.
6. FINAL INSTALLATION OF EVSE INCLUDING PEDESTAL AND CABLING BY OTHERS.
7. DRAWING IS FOR DISCUSSION PURPOSES ONLY - FINAL DUCTING ROUTES TO BE COORDINATED ON SITE BY MAIN CONTRACTOR.

ELECTRIC VEHICLE SUPPLY EQUIPMENT LEGEND

125mm DIAMETER ESB uPVC RED DUCTING DEDICATED FOR LOCAL LV CABLING WITH WARNING TAPE OVER DUCT

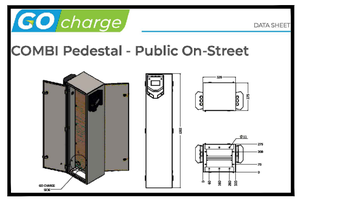
APPROXIMATE LOCATION OF ESB MINI-PILLAR. REFER TO ESB CIVIL DRAWING FOR FINAL LOCATIONS OF MINI-PILLAR

ACTIVE CUSTOMER 3-PHASE METER CABINET 1600 TO SERVE EVSE

PROPOSED LOCATION FOR FUTURE CUSTOMER 3-PHASE METER CABINET 1600 FOR FUTURE EVSE

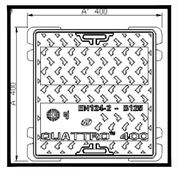
ECAR — "ECAR" INDICATES ACTIVE CAR PARK ELECTRIC VEHICLE CHARGING SOLUTION TO MEET WITH 10% OF OVERALL COMMUNAL CAR SPACES

DC — 80A TP+N EVSE CHARGING COMBI PEDESTAL FED FROM DEDICATED ESB NETWORKS' METER LOCATED IN CUSTOMER's 3-PHASE METER CABINET 1600. COMBI PEDESTAL TO CONTAIN ALL ESB EQUIPMENT INCLUDING ESB CUT-OUT AND ISOLATOR. PEDESTAL TO BE MOUNTED ON 400mm WIDE BY 400mm WIDE BY 300mm HIGH CONCRETE PLINTH BETWEEN TWO CAR PARKING SPACES ON FOOTPATH



EBC — 2no. 15A SP+N E-BIKE CHARGING SOCKETS MOUNTED TO COMBI PEDESTAL FED FROM DEDICATED ESB NETWORKS' METER LOCATED IN CUSTOMER's 3-PHASE METER CABINET 1600. COMBI PEDESTAL TO CONTAIN ALL ESB EQUIPMENT INCLUDING ESB CUT-OUT AND ISOLATOR. PEDESTAL TO BE MOUNTED ON 400mm WIDE BY 400mm WIDE BY 300mm HIGH CONCRETE PLINTH BETWEEN TWO CAR PARKING SPACES ON FOOTPATH

AJ — 300mm BY 300mm ACCESS CHAMBERS SHALL BE "EJ" MANUFACTURED WITH 2no. 150mm HIGH NEXUS CHAMBERS WITH 400mm BY 400mm LID TO BSEN 124, LOADING CLASS B 125, SUITABLY RESISTANT TO INTRUSION OR SIMILAR



PL1	ISSUED FOR PLANNING	KP	KP	DC	08/05/2025
C	ISSUED FOR DESIGN DEVELOPMENT	KP	KP	DC	24/02/2025
B	ISSUED FOR DESIGN DEVELOPMENT	KP	KP	DC	30/04/2024
A	DESIGN ISSUE	KP	KP	DC	02/02/2024
ISSUE	DESCRIPTION	DRN	ORIG	APP	DATE

CLIENT: SOUTH DUBLIN COUNTY COUNCIL

MANDE CONSULTING ENGINEERS
Unit 4 Oak Close
Western Business Park
Dublin 12. D12 R8C6
T: (01) 4508485
W: www.mande.ie
E: info@mande.ie

PROJECT
KISHOGE PART 10 APPLICATION
SITE 3, CLONBURRIS, Co. DUBLIN

TITLE
SITE 3 PLAN
ELECTRIC CHARGING DUCTING LAYOUT

PROJECT No.	20026	DATE:	JANUARY 2024
A1	SCALE 1:750	DRG No.	KSG3-MAE-00-XX-DR-E-6002

THIS DRAWING IS COPYRIGHT© ALL RIGHTS RESERVED. NO PART OF THIS DRAWING MAY BE REPRODUCED, STORED IN A RETRIEVAL SYSTEM OR TRANSMITTED IN ANY FORM OR BY ANY MEANS WITHOUT THE PRIOR WRITTEN PERMISSION FROM MANDE CONSULTING ENGINEERS LTD