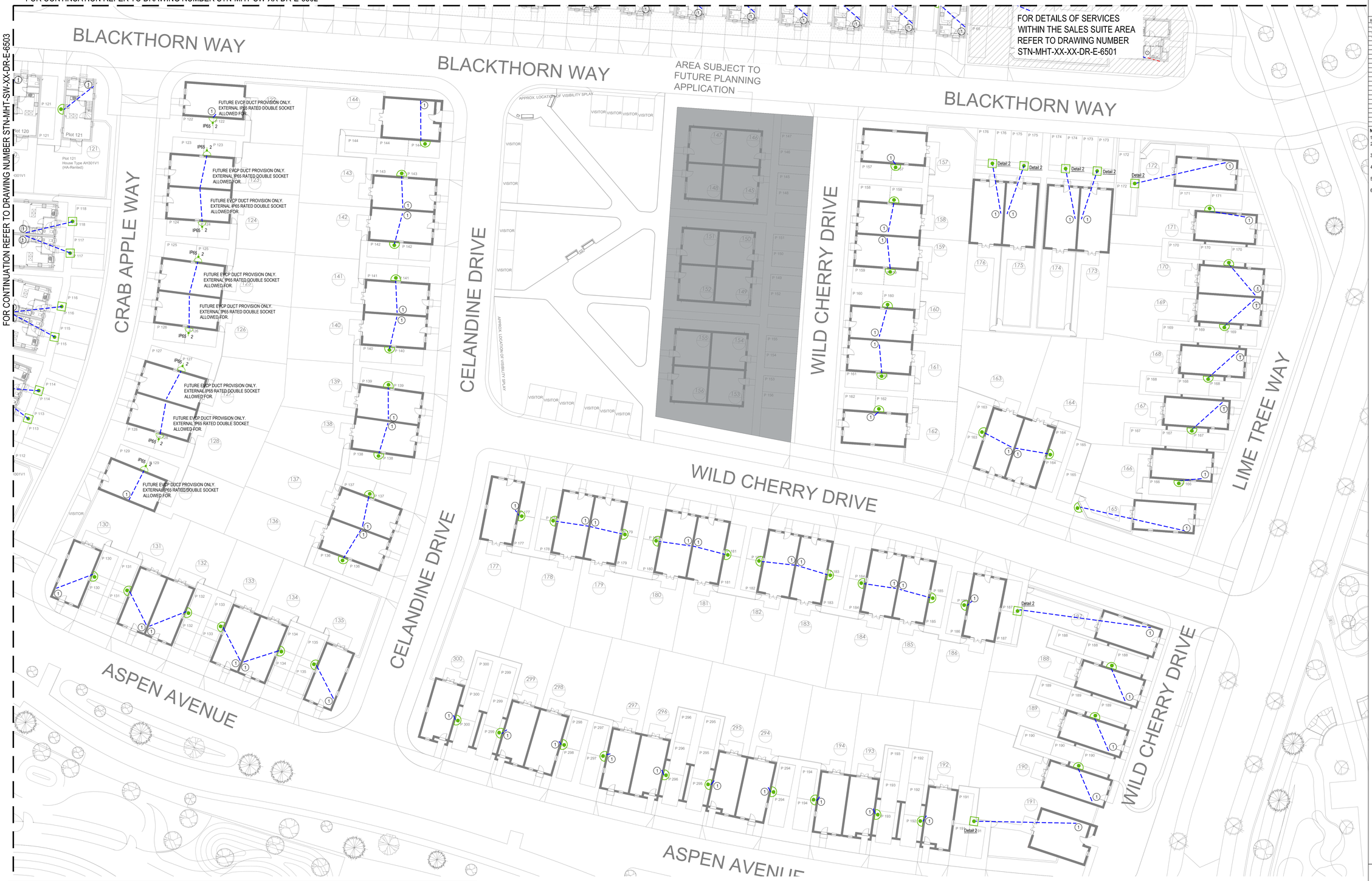
ISO A0 1189mm x 841mm

FOR CONTINUATION REFER TO DRAWING NUMBER STN-MHT-SW-XX-DR-E-6502

FOR CONTINUATION REFER TO DRAWING NUMBER STN-MHT-SW-XX-DR-E-6503



FOR DETAILS OF SERVICES WITHIN THE SALES SUITE AREA REFER TO DRAWING NUMBER STN-MHT-XX-XX-DR-E-6501

STAGE 4 TENDER ISSUE

REV.	DESCRIPTION	BY	DATE
T01	TENDER ISSUE	SS	12.03.21
T02	TENDER ISSUE	SS	01.04.21
T03	TENDER ISSUE - AMENDED AS HIGHLIGHTED	SS	23.06.22
T04	TENDER ISSUE - UPDATED ARCHITECTURAL LAYOUT	VR	21.02.25

NOTES:

1. DO NOT SCALE FROM THIS DRAWING.
2. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE STATED.
3. THE DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER DRAWINGS AND SPECIFICATIONS.
4. ANY DISCREPANCY IS TO BE REFERRED TO THE ENGINEER.
5. THIS INSTALLATION IS TO BE CO-ORDINATED WITH ALL OTHER TRADES.
6. ALL DIMENSIONS TO BE CHECKED AND VERIFIED ON SITE PRIOR TO THE COMMENCEMENT OF THE WORKS.

LEGEND:

- DUCT TO ELECTRIC VEHICLE CHARGING (EVC) POINT. INDIVIDUAL DUCT TO EACH CHARGER (STAR ARRANGEMENT). 75Ø UNLESS OTHERWISE STATED IN THE DRAWING
- 75Ø PRIVATE ELECTRICAL LV DUCT FROM HOUSE TO GARAGE.

NOTE: ALL DUCTS TO BE WITH PULL CORDS

- ELECTRIC VEHICLE CHARGING UNIT ON FREESTANDING MOUNT. ADJACENT ACCESS PIT REQUIRED. REFER TO THE DESCRIPTION OF PROVISION FROM DAY ONE AND DETAILS.
- ELECTRIC VEHICLE CHARGING UNIT, WALL MOUNTED. ADJACENT ACCESS PIT REQUIRED. REFER TO THE DESCRIPTION OF PROVISION FROM DAY ONE AND TO DETAIL 1.
- (1) CABLE DUCT STARTS FROM INSIDE THE CUPBOARD HOUSING THE DWELLING CONSUMER UNIT. FOR FURTHER DETAILS REFER TO THE TYPICAL HOUSE LAYOUTS.

ADDITIONAL NOTES:

7. ALL CABLE DUCT ROUTES ARE INDICATIVE AND REPRESENT BELOWGROUND DUCTS FOR EVC POINTS AND REMOTE GARAGE LOCATIONS ONLY.

8. THIS DRAWING DOES NOT INDICATE ANY UTILITY CABLE DUCTS (INCOMING LV AND COMMS SUPPLIES).

9. ACCESS PITS TO BE PROVIDED ON CABLE ROUTES AT TURNING POINTS, JUNCTIONS AND AT ALL WALL MOUNTED CHARGING POINTS.

10. THIS DRAWING DOES NOT INDICATE THE CABLE DUCTS BETWEEN THE HOUSE UTILITY METERS AND CONSUMER UNIT CUPBOARDS. FOR DETAILS REFER TO THE TYPICAL HOUSE LAYOUTS.

11. THIS DRAWING DOES NOT INDICATE ANY DUCTS FOR PRIVATE ROAD LIGHTING AS WELL AS ANY PUBLIC ROAD EVC POINTS.



EVC7101
eDock/eVoom
Single Unit Mounting Post

CIVIL WORKS

Concrete Foundation

- 600mm x 600mm x 400mm (WxLxD) non-reinforced concrete
- Ducting must be run directly into the centre of the foundation
- The foundation must have a flush and level surface finish
- The back of the foundation must be at least 200mm away from any wall/obstacle



Ducting

Supply Cable Duct:

- Continuous twin wall duct for the entirety of the run into the centre of the EVCP concrete foundation
- Minimum depth of 450mm except roadways where depth should be 600mm
- Minimum size of 63mm (should be adequate for the cable size running through)

DETAIL 2 - TYPICAL CAR CHARGER BASE AND DUCTING ARRANGEMENT FOR FREE STANDING UNITS.

DESCRIPTION OF PROVISION FROM DAY ONE/ ENABLING WORKS FOR FUTURE EVC

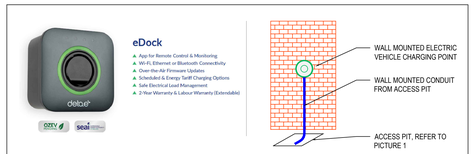
RESIDENTIAL BLOCKS:

1) DUCTS (WITH PULL ROPE) FROM THE FUTURE DISTRIBUTION EQUIPMENT LOCATIONS TO EACH FUTURE EVC POINT WILL BE PROVIDED BELOW GROUND, WITH THE ASSOCIATED ACCESS PITS WHERE REQUIRED. THIS IS TO ALLOW FOR FUTURE INSTALLATION OF POWER AND COMMUNICATION CABLE.THE DUCTS WILL TERMINATE AS DESCRIBED BELOW AND WILL BE SUITABLY CAPPED OFF TO PREVENT ENTRY OF WATER, VERMINTS AND DEBRIS.
2) THE DUCTS WILL TERMINATE ON THE FUTURE DISTRIBUTION EQUIPMENT SIDE AS FOLLOWS:
   - FOR BLOCKS 1 AND 3, INTERNAL SPACE WILL BE ALLOWED IN CUPBOARDS/ ROOMS FOR FUTURE INSTALLATION OF LV CUT-OUT, UTILITY METER AND EVC DISTRIBUTION (LOAD MANAGEMENT) EQUIPMENT. THE DUCTS WILL TERMINATE INSIDE THE ROOMS/ CUPBOARDS AS PER THE LAYOUT.
   - FOR BLOCKS 2 AND 4, EXTERNAL SPACE WILL BE ALLOWED FOR FUTURE INSTALLATION OF FEEDER PILLARS (OR GRP ENCLOSURES), WHICH WILL HOUSE THE DISTRIBUTION EQUIPMENT. THE DUCTS WILL TERMINATE IN AN ACCESS PIT WITH COVER, SIMILAR TO PICTURE 1 (FINISH TO MATCH SURROUNDING AREA). THE ACCESS PIT IS TO BE LOCATED ADJACENT TO THE FUTURE CONCRETE BASE OF THE FEEDER PILLAR/ GRP ENCLOSURE.
3) THE DUCTS WILL TERMINATE ON THE EVC POINT SIDE AS FOLLOWS:
   - THE DUCTS FOR THE FREESTANDING EVC UNITS WILL TERMINATE IN AN ACCESS PIT WITH COVER, SIMILAR TO PICTURE 1 (FINISH TO MATCH SURROUNDING AREA). THE ACCESS PIT IS TO BE LOCATED ADJACENT TO THE FUTURE CONCRETE BASE FOR THE CHARGER. FOR TYPICAL FUTURE CONCRETE BASE REFER TO DETAIL 2.
   - THE DUCTS FOR THE WALL/ FENCE MOUNTED UNITS WILL TERMINATE IN AN ACCESS PIT, LOCATED DIRECTLY BELOW THE FUTURE WALL MOUNTED UNIT LOCATION, AS PER DETAIL 1 AND PICTURE 1.

HOUSES:

4) DUCTS (WITH PULL ROPE) FROM THE HOUSE CONSUMER UNIT CUPBOARD TO EACH FUTURE EVC POINT WILL BE PROVIDED BELOW GROUND, WITH THE ASSOCIATED ACCESS PITS WHERE REQUIRED. THIS IS TO ALLOW FOR FUTURE INSTALLATION OF POWER AND COMMUNICATION CABLE. THE DUCTS WILL BE SUITABLY CAPPED OFF ON BOTH SIDES TO PREVENT ENTRY OF WATER, VERMINTS AND DEBRIS.
5) THE DUCTS FOR THE FREESTANDING EVC UNITS WILL TERMINATE IN AN ACCESS PIT WITH COVER, SIMILAR TO PICTURE 1 (FINISH TO MATCH SURROUNDING AREA). THE ACCESS PIT IS TO BE LOCATED ADJACENT TO THE FUTURE CONCRETE BASE FOR THE CHARGER. FOR TYPICAL FUTURE CONCRETE BASE REFER TO DETAIL 2.
6) THE DUCTS FOR THE WALL/ FENCE MOUNTED UNITS WILL TERMINATE IN AN ACCESS PIT, LOCATED DIRECTLY BELOW THE FUTURE WALL MOUNTED UNIT LOCATION, AS PER DETAIL 1 AND PICTURE 1.

NOTE: NO ELECTRIC VEHICLE CHARGERS WILL BE INSTALLED FROM DAY ONE FOR APARTMENTS AND HOUSES. THESE WILL BE INSTALLED BY HOME OWNERS AND HOME OWNERS/ EVC MANAGEMENT COMPANY IN THE FUTURE.



DETAIL 1 - TYPICAL WALL MOUNTED ELECTRIC VEHICLE CHARGING POINT



PICTURE 1 - TYPICAL ACCESS COVER/ PIT. DUCT TERMINATION POINT FOR WALL MOUNTED UNITS.

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PROJECT
WINTRINGHAM PARK
ST. NEOTS

CLIENT
DURKAN

TITLE
SITEWIDE
CABLE DUCTS LAYOUT FOR PRIVATE EVC POINTS AND REMOTE PRIVATE SERVICES
SHEET 4

DISCIPLINE			SCALE @ A0
ELECTRICAL			NTS
PROJECT No	DRAWN	DESIGNED	APPROVED
2539	SS	SS	SB
DRAWING No			ISSUE
STN-MHT-SW-XX-DR-E-6504			T04

DATE: 21 February 2025 14:35:26
FILE LOCATION: H:\PROJECTS\2539 - WINTRINGHAM PARK, ST NEOTS\1. MHT\MEP\DRAWINGS\ELECTRICAL\3D CAD\SITEWIDE\STN-MHT-SITEWIDE ELEC DUCTS.DWG

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