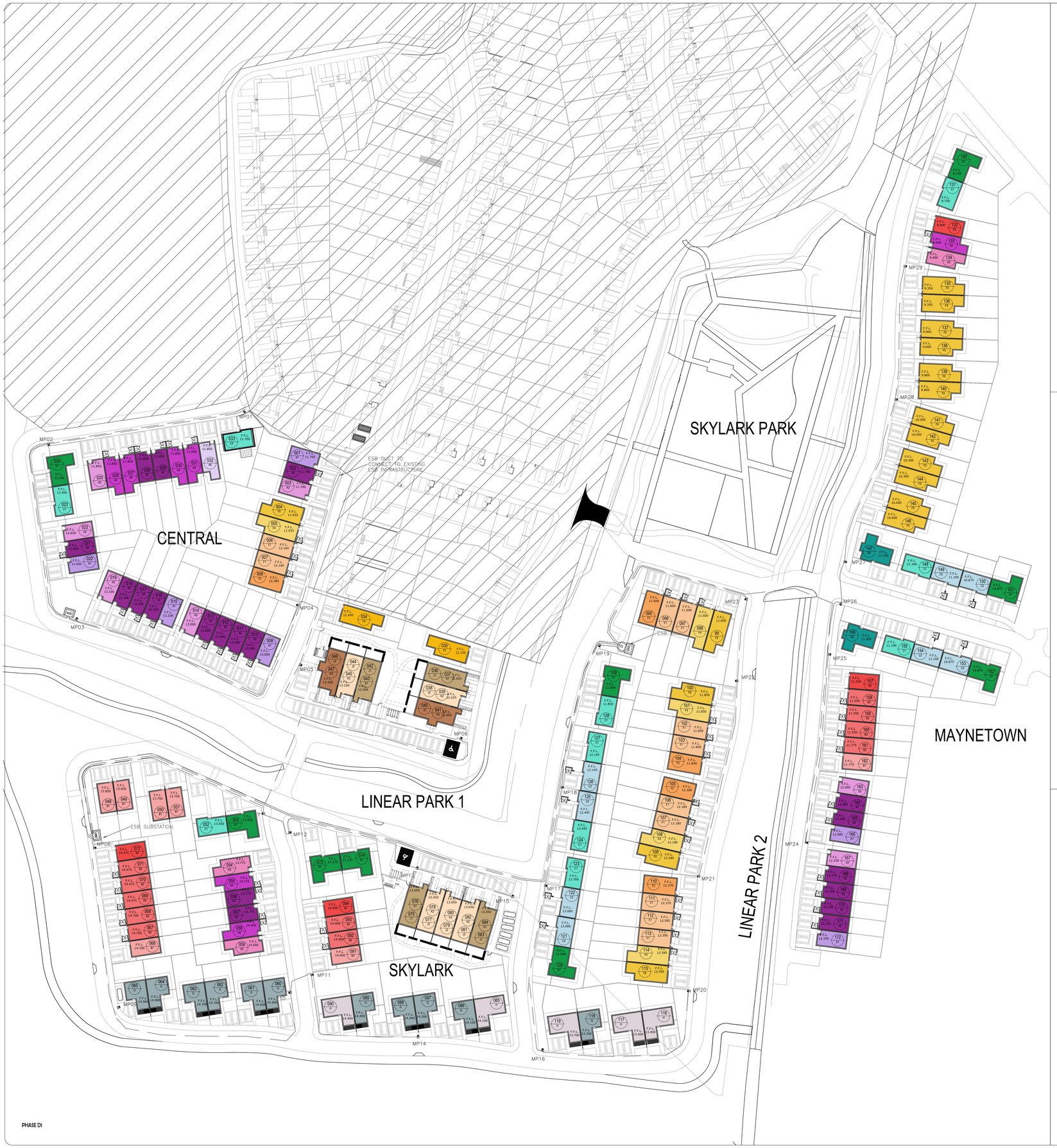
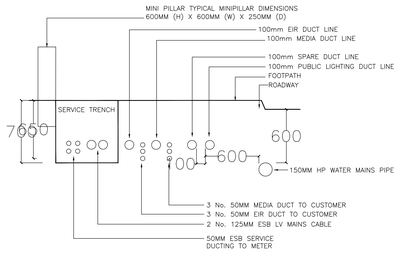
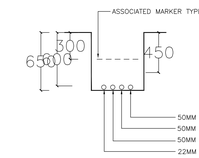


PHASE 01

ESB MINIPILLAR AND SERVICE TRENCH IN RELATION TO OTHER UTILITY DUCTS



UTILITY SERVICES TRENCH WITHIN HOUSE OWNERS PROPERTY SHOWING MINIMUM DEPTH AND MINIMUM SPACING REQUIREMENTS.



NOTE:

ALL DIMENSIONS SHOWN HERE ARE IN MM

NORMAL STANDARD CLEARANCE 100MM

CLEARANCE FROM HIGH PRESSURE PIPES 600MM

WARNING TAPE MUST BE INSTALLED AT 300MM DEPTH

GENERAL NOTES

ANY DISCREPANCIES OR OMISSIONS TO BE REPORTED TO JAK CONSULTING ENGINEERS IMMEDIATLY.

DO NOT SCALE - WORK FROM FIGURED DIMENSIONS ONLY.

THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL CIVIL ENGINEERS, STRUCTURAL ENGINEERS, ARCHITECTS & ALL OTHER RELEVANT DRAWINGS & SPECIFICATIONSRELATING TO THE PROJECT.

ALL DIMENSIONS TO BE CONFIRMED ON SITE.

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LEGEND

- NEW 125mm ESB RED BAND DUCT NO. OF DUCTS AS INDICATED
- MINIPILAR SERVICE VAULT/MANHOLE
- XX ESB MINIPILLAR – XX DENOTES REFERENCE
- ESB SUB-STATION
- ESB JOINT LOCATION

NOTES

1) CONTRACTOR TO PROVIDE 1 NO. 50mm ESB DUCT TO EACH DWELLING FROM NEAREST MINIPILLAR

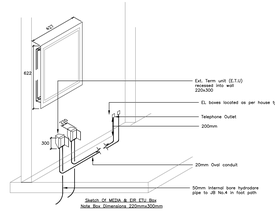
2) MINIPILLAR LOCATIONS AND DUCT QUANTITIES AS PER ESB DESIGN ESB

3) EACH MINIPILLAR TO SERVE UP TO 8 DWELLINGS

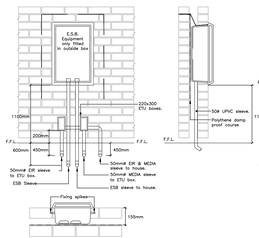
4) THIS DRAWING TO BE READ IN CONJUNCTION WITH OTHER (6–)SERIES DRAWINGS

1. THE EXTERNAL TERMINAL UNIT (E.T.U. SUPPLIED BY EIRCOM OR UPC) MUST BE FITTED BY THE BUILDER IN ALL HOUSING DEVELOPMENTS WHERE THE LOCAL AUTHORITY PLANNING DEPARTMENT SPECIFY THAT TELEPHONE SERVICES WILL BE SUPPLIED UNDERGROUND.
2. THE E.T.U. WILL GENERALLY BE FITTED IN THE GABLE WALL, PORCH OR A LOCATION SELECTED IN AGREEMENT WITH LOCAL PLANNING AND THE BUILDER).
3. THE E.T.U. MUST BE FITTED ABOVE THE D.P.C LEVEL. THE RECOMMEND IN HEIGHT IS ONE BLOCK (200MM) ABOVE D.P.C.
4. THE BUILDER WILL SUPPLY AND INSTALL THE FOLLOWING (2) 32MM INTERNAL BORE HYDRODARE PIPE FROM THE E.T.U. TO THE FOOTWAY JOINT BOX SHOWN ON THE PLAN SUPPLIED BY B.T.E. PLANNING DEPARTMENT, (8) A 20MM OVAL OR ROUND WAVIN PIPE FROM THE E.T.U. TO THE LOCATION SELECTED WITHIN THE DWELLING FOR THE TELEPHONE INSTRUMENT. ANY ADDITIONAL INTERNAL CONDUIT REQUIRED FOR EXTRA TELEPHONE LOCATIONS.

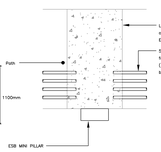
Detail No. 1
Typical EIR & MEDIA ETU & spare Comms Box Detail.



Detail No. 2
Typical E.S.B. Recessed Metering Cabinet – N.T.S.



Detail No. 3
Typical Detail Of ESB Mini Pillar Installation



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MV/LV TRENCH DIMENSIONS AND DUCT CLEARANCES AS REQUIRED BY ESB

DETAIL 1
MINIMUM ESB SPACING REQUIREMENTS FOR UP TO 2 NO. ESB DUCTS IN ANY LAYER

DETAIL 2
MINIMUM ESB SPACING REQUIREMENTS FOR MORE 2 NO. ESB DUCTS IN ANY LAYER

I4	COORDINATION ISSUE	MO	JK	23/11/2021
I3	INFORMATION	MO	JK	11/11/2021
I2	INFORMATION	MO	MO	30/4/2021
I1	INFORMATION	CD	MO	27/04/2021
REV	Description	DRN	APP	Date

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STATION ROAD, PORTMARNOCK, Co.FINGAL

ARCHITECT:
BURKE-KENNEDY DOYLE ARCHITECTS
BKDA,6/7 HARCOURT TERRACE, DUBLIN 2

DRAWING TITLE:
ESB SERVICES LAYOUT
SITE INFRAESTRUCTURE LAYOUT

DRAWING REFERENCE:	DRAWING/PROJECT STATUS:	REVISION REF:
JK29(9-)03	INFORMATION	I4

FILENAME:	DATE:	DRAWN:	SCALE @ A0
JK29(9-)03.dwg	11-11-2021	CD	1:500