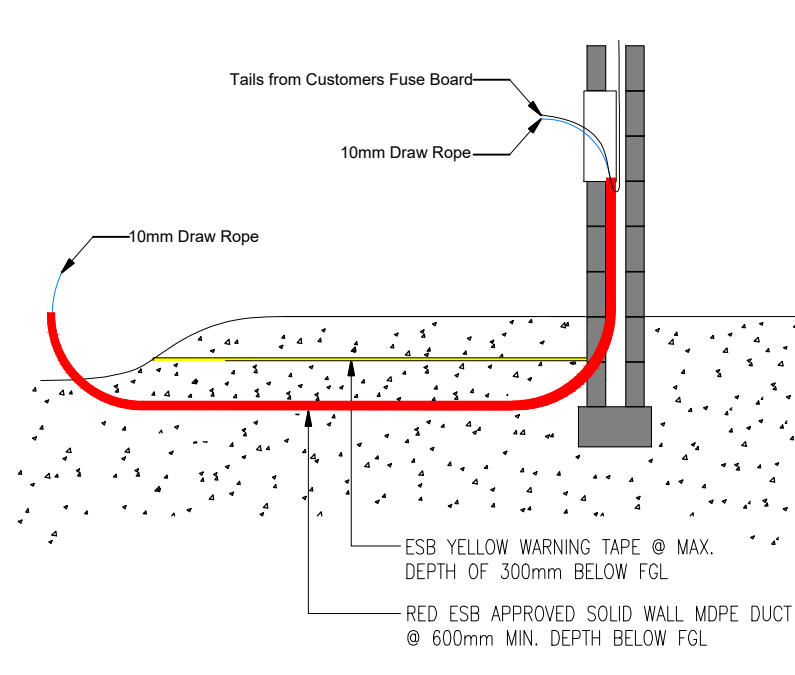
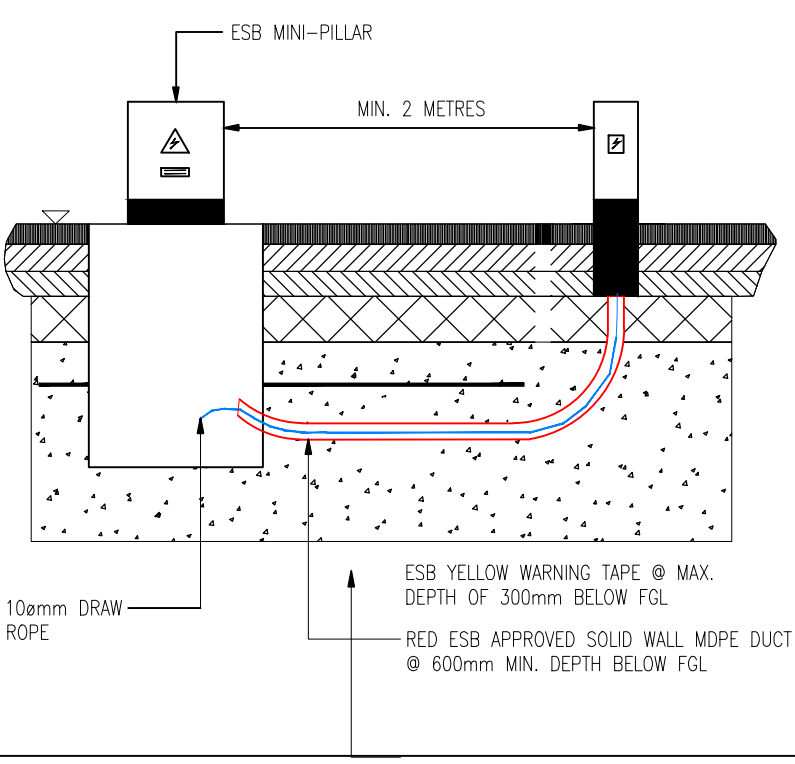




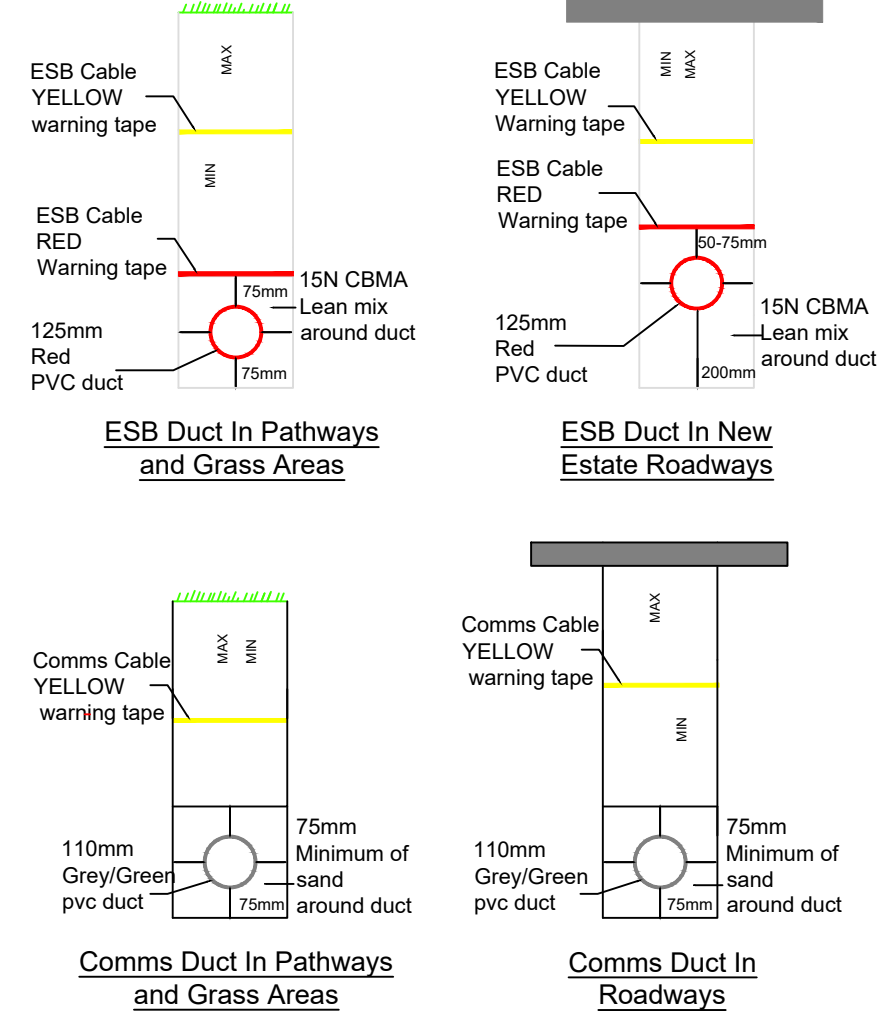
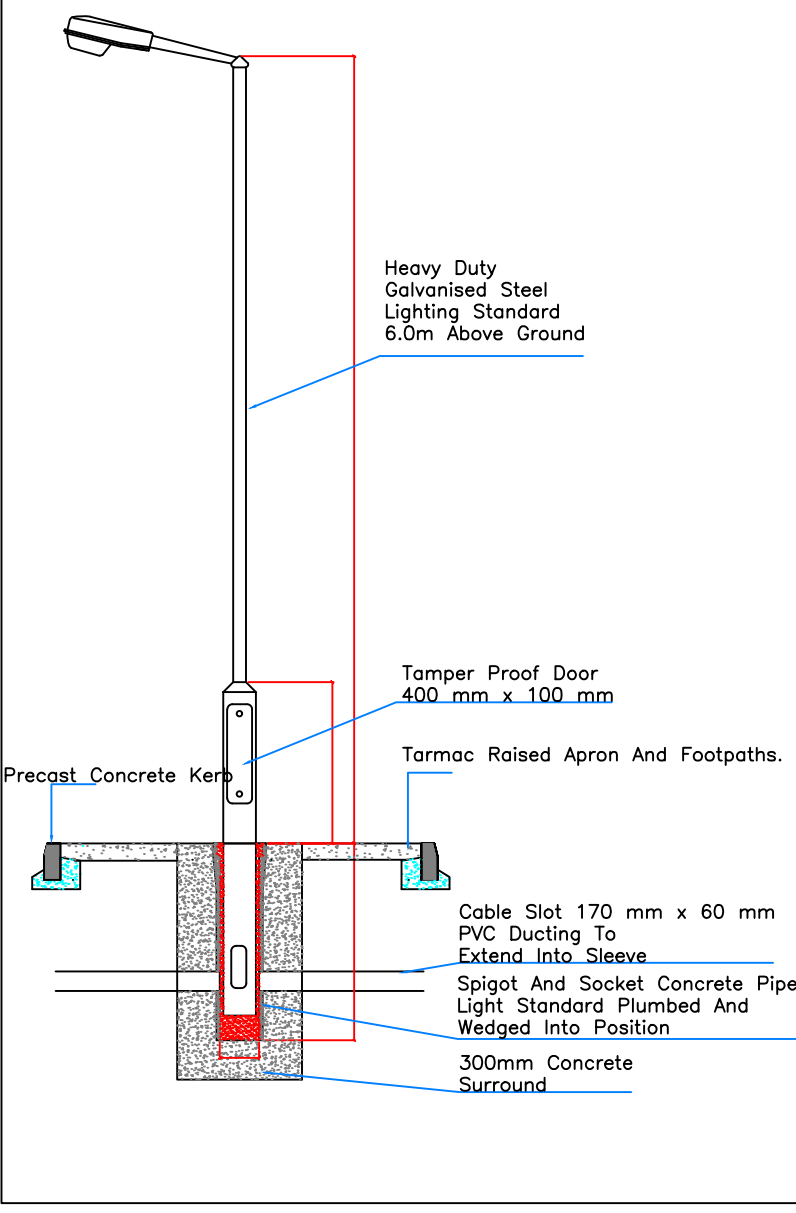
DETAIL A: TYPICAL CONNECTION TO HOUSE



DETAIL B: TYPICAL CONNECTION TO PUBLIC LIGHTING MICROPILLAR



DETAIL C: TYPICAL LIGHTING COLUMN & SURROUND DETAILS (N.T.S)



GENERAL NOTES:

- DUCTS TO HAVE DRAW WIRES AND WARNING TAPE.
- DUCTING COLOURS TO BE IN COMPLIANCE WITH THE CURRENT EDITION OF BS370
- EASY SWEEP BENDS TO BE USED FOR CABLE DUCTING
- CONTRACTOR TO ALLOW FOR ALL ATTENDANCES FOR UTILITIES CONNECTIONS IN THEIR TENDER RETURN
- EXACT CONNECTION POINTS FOR ALL UTILITIES S'S TO BE FINALISED AND AGREED WITH UTILITY PROVIDERS ON SITE.

ESB NOTES:

- CONNECTION DETAILS TO LOCAL ESB NETWORKS TO BE AGREED AT TIME OF APPLICATION. SEE ESB GUIDANCE DOCUMENTS FOR BEDDING DETAILS. ESB SPEC EASY SWEEP BENDS TO BE USED THROUGHOUT.
- THE MAIN SUPPLY CABLE THEN CONNECTS TO THE MINIPILLARS AROUND THE SITE AND EACH MINIPILLAR TYPICALLY FEEDS UP TO TWO HOUSES EACH IN INDIVIDUAL 50mm RED DUCTING RINGS TO AN EXTERNAL METER BOX. THESE FEEDING POINTS SHOULD NOT CROSS INTO THE BOUNDARY OF ANOTHER PROPERTY.
- MINIPILLAR VALVES ARE TO BE PREMADE UNITS TO ESB SPECIFICATION, BLOCK BUILT UNITS ARE NOT ACCEPTABLE.
- EACH MINIPILLAR REQUIRES A 15m LONG OPEN TRENCH FOR AN EARTH CABLE TO BE REINFORCED. THE DUCT TRENCH TYPICALLY FULFILLS THIS FUNCTION.
- MINIPILLAR LOCATIONS ARE TO BE CHOSEN TO AVOID POTENTIAL DAMAGE. ANY MINIPILLARS LOCATED BETWEEN DRIVEWAYS ARE TO HAVE A BRICK BUILT SURROUND OR SIMILAR MECHANICAL PROTECTION WHICH DOES NOT LIMIT ACCESS TO PILLAR. SEE ESB HOUSING SCHEMES GUIDEBOOK FOR MORE INFORMATION.
- THESE HOUSE SUPPLY MINIPILLARS CAN ALSO SERVE AS A PUBLIC LIGHTING MINIPILLAR AND A 100mm DUCT LINK IS REQUIRED BETWEEN THE TWO HOWEVER A MINIMUM 2M SEPARATION IS REQUIRED TO KEEP THESE PILLARS SEPARATE.

ELECTRICAL UNDERGROUND DUCTING

- ESB LV UNDERGROUND SUPPLY DUCTS, 125mm
- RED HIGH IMPACT HDPE SMOOTH WALL WITH EASY SWEEP BENDS, (SUPPLYING MINI PILLARS)
- ESB LV UNDERGROUND SUPPLY DUCTS, 125mm
- RED HIGH IMPACT HDPE SMOOTH WALL WITH EASY SWEEP BENDS, (SUPPLYING EV CHARGER PILLARS)
- ESB LV UNDERGROUND SUPPLY DUCTS, 125mm
- RED HIGH IMPACT HDPE SMOOTH WALL WITH EASY SWEEP BENDS, (SUPPLYING MIDI PILLARS)
- ESB HOUSE FEEDER DUCT, 50mm RED HIGH IMPACT HDPE SMOOTH WALL FROM MINIPILLAR VAULT TO EXTERNAL METER BOX WITH HOCKEYSTICK
- EIR DUCTING DUCTING 110MM UNLESS OTHERWISE NOTED
- EIR HOUSE FEEDER DUCT

UTILITIES EQUIPMENT

- ESB UNIT SUBSTATION WITH EARTH PIT AND 3m WIDE ACCESS
- ESB MINIPILLAR WITH PREMADE VAULT
- PUBLIC LIGHTING MIDI PILLAR, CW TYPE 2 SURGE PROTECTION
- COMMUNAL CAR CHARGING DOUBLE HEIGHT EXTERNAL PILLAR - ASSUMED 320Wx800x1850H

UTILITY BOXES

- EXTERNAL ESB DOMESTIC METER BOX
- EXTERNAL EIR DOMESTIC CONNECTION BOX
- EXTERNAL SIRO DOMESTIC CONNECTION BOX

ELECTRIC CAR CHARGING

- CAR CHARGING DUCT FOR COMMUNAL CHARGING SOLUTION BY PRIVATE COMPANY VIA OMC IN THE FUTURE
- DOUBLE HEAD COMMUNAL CHARGING PILLAR 2100x800x1850H
- COMMUNAL CAR CHARGING DOUBLE HEIGHT EXTERNAL PILLAR - ESB METERING AND PRIVATE CAR CHARGING SWITCHGEAR IN SEPARATE SECTIONS - SIZE DEPENDANT ON ESB METERING REQUIREMENTS, ASSUMED 320Wx800x1850H
- CAR CHARGING DUCTING LIDDED POP UP FOR FUTURE PILLAR INSTALL.

LIGHTING

- AXIA 3.1 5267 LED LANTERN, 36.3W, 16 OLSEN SQUARE GIANT @ 700mA, 2700K COLOUR TEMPERATURE, MOUNTED ON 6M COLUMNS, CW INTEGRATED REAR LOUVER

REV	DATE	DESCRIPTION	BY	APP
P06	07.07.26	ISSUED FOR INFORMATION	J.S.	F.F.
P07	18.06.26	ISSUED FOR INFORMATION	J.S.	F.F.
P04	01.12.25	ISSUED FOR INFORMATION	S.C.	F.F.
P03	20.10.25	ISSUED FOR INFORMATION	S.C.	F.F.
P02	17.10.25	ISSUED FOR INFORMATION	S.C.	F.F.
P01	17.10.25	ISSUED FOR INFORMATION	S.C.	F.F.

PROJECT: HOUSING DEVELOPMENT AT GLEAN CAOIN, BORRISOLEIGH, Co. TIPPERARY

CLIENT: TIPPERARY COUNTY COUNCIL

MWP
ENGINEERING AND ENVIRONMENTAL CONSULTANTS
CORK | TRALEE | LONDON | LIMERICK
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DRAWN:	CHECKED:	APPROVED:
S.C.	F.F.	F.F.

PROJECT NUMBER:	DATE:	SCALE @ A1:
25847	17/10/2025	1:500

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