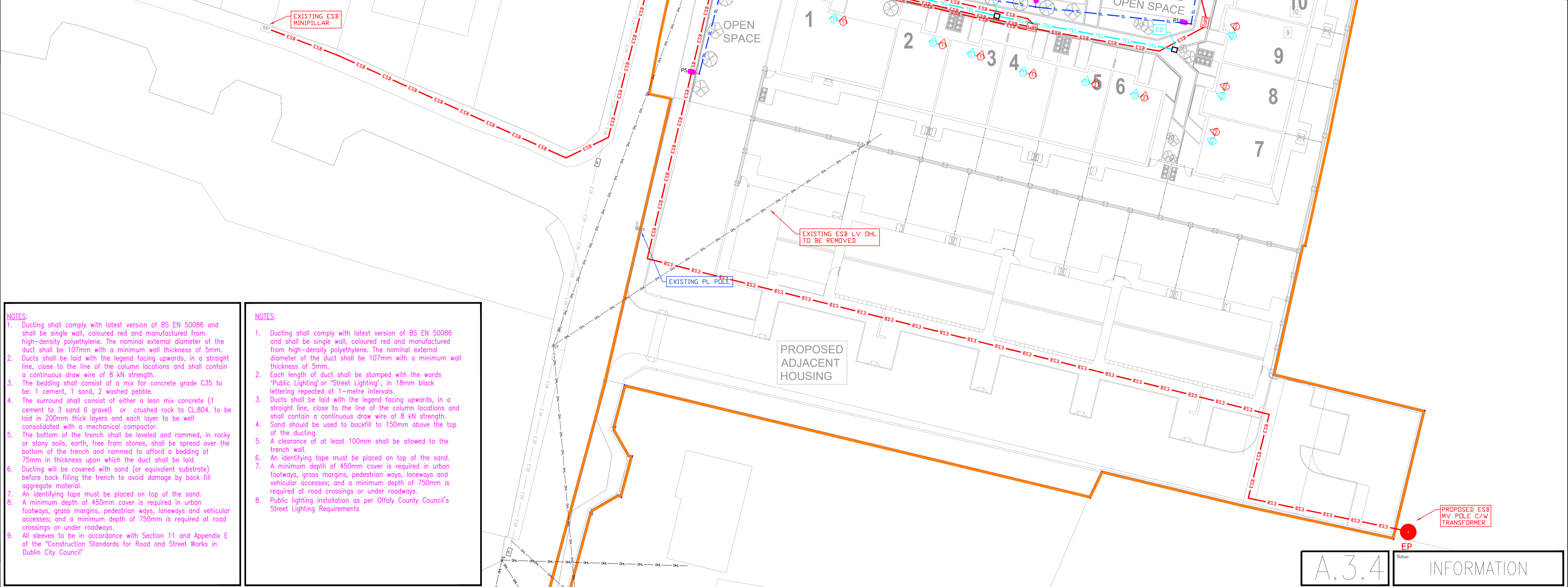


NOTES:

- USE ONLY SOLID WALL HIGH IMPACT RESISTANCE ESB NETWORKS APPROVED RED DUCTING TO IS 370 COLOUR STANDARD AND ESB NETWORKS SPECIFICATION 16113 (3.8MM MINIMUM WALL THICKNESS μ PVC FOR 125MM DUCTS). DISCOLOURED DUCT NOT ACCEPTABLE.
- LIGHTWEIGHT, FLEXIBLE CORRUGATED TWIN WALL DUCTING IS NOT ACCEPTABLE TO ESB NETWORKS IRRESPECTIVE OF MANUFACTURER.
- DUCTS SHALL BE LAID WITH THE LEGEND FACING UPWARDS, IN A STRAIGHT LINE, ROPED USING 12MM POLYPROPYLENE ROPE WITH CERTIFIED SAFE BREAKING LOAD OF 1.5 TONS.
- THE INSTALLATION SHALL COMPLY WITH THE ESB'S "STANDARD SPECIFICATION FOR ESB NETWORKS MV/LV NETWORKS DUCTING".
- THE THERMAL RESISTIVITY OF THE DUCT SURROUND MATERIAL MUST BE MAXIMUM 1.0K/M/WATT @0% MOISTURE CONTENT. ONLY ESB NETWORKS APPROVED UNWASHED SAND GRADED TO BS882 STANDARD OR EQUIVALENT ESB NETWORKS APPROVED MATERIAL IS ACCEPTABLE. PEA GRAVEL AND FOAM CONCRETE ARE UNACCEPTABLE.
- AN IDENTIFYING RED TAPE MUST BE PLACED ON TOP OF THE SAND AND A YELLOW 300mm FROM THE SURFACE.
- A MINIMUM DEPTH OF 450MM IS REQUIRED IN ESTABLISHED FOOTWAYS, 600MM IN NEW HOUSING ESTATE CARRIAGEWAYS & FOOTWAYS AND ALL GRASSED AREAS, 750MM ALL NON-HOUSING ESTATE CARRIAGEWAYS.

LEGEND

- ESB PROPOSED ESB LV LINE
- EX ESB EXISTING ESB LINE
- DL EXISTING OHL
- EP EXISTING ESB POLE
- MANHOLE FOR DRAWING WIRES, ACCESS AND MAINTENANCE.
- EPn ESB MINIPILLAR "n", C/W VC2 VAULT IMMEDIATELY IN FRONT
- TEL TELECOM GREY DUCTS
- TEL #110mm MAINS TO CHAMBERS AND #50mm FROM CHAMBERS TO ETU'S
- EP EXISTING EIR DUCT
- MANHOLE FOR DRAWING WIRES, ACCESS AND MAINTENANCE.
- TEL TELECOM 1 JB "n"
- EPn #50mm GREY DUCT TO JB "n"
- EP EXISTING EIR POLE
- EP EXISTING LUMINAIRE
- SL EXTERNAL LIGHTING DUCT #100mm (RED)
- EPn LED LANTERN, 17W, 2600lm, 4000K, DW50 DISTRIBUTION, ON 6m POLE
- EPn PL MICROPIILLAR "n"



- NOTES:
- Ducting shall comply with latest version of BS EN 50086 and shall be single wall, coloured red and manufactured from high-density polyethylene. The nominal external diameter of the duct shall be 107mm with a minimum wall thickness of 5mm.
 - Ducts shall be laid with the legend facing upwards, in a straight line, close to the line of the column locations and shall contain a continuous draw wire of 8 kN strength.
 - The bedding shall consist of a mix for concrete grade C35 to be: 1 cement, 1 sand, 2 washed pebble.
 - The surround shall consist of either a lean mix concrete (1 cement to 3 sand 6 gravel) or crushed rock to CL804, to be laid in 200mm thick layers and each layer to be well consolidated with a mechanical compactor.
 - The bottom of the trench shall be leveled and rammed, in rocky or stony soils, earth, free from stones, shall be spread over the bottom of the trench and rammed to afford a bedding of 75mm in thickness upon which the duct shall be laid.
 - Ducting will be covered with sand (or equivalent substrate) before back filling the trench to avoid damage by back fill aggregate material.
 - An identifying tape must be placed on top of the sand.
 - A minimum depth of 450mm cover is required in urban footways, grass margins, pedestrian ways, laneways and vehicular accesses; and a minimum depth of 750mm is required at road crossings or under roadways.
 - All sleeves to be in accordance with Section 11 and Appendix E of the "Construction Standards for Road and Street Works in Dublin City Council"

- NOTES:
- Ducting shall comply with latest version of BS EN 50086 and shall be single wall, coloured red and manufactured from high-density polyethylene. The nominal external diameter of the duct shall be 107mm with a minimum wall thickness of 5mm.
 - Each length of duct shall be stamped with the words "Public Lighting" or "Street Lighting", in 18mm black lettering repeated at 1-metre intervals.
 - Ducts shall be laid with the legend facing upwards, in a straight line, close to the line of the column locations and shall contain a continuous draw wire of 8 kN strength.
 - Sand should be used to backfill to 150mm above the top of the ducting.
 - A clearance of at least 100mm shall be allowed to the trench wall.
 - An identifying tape must be placed on top of the sand.
 - A minimum depth of 450mm cover is required in urban footways, grass margins, pedestrian ways, laneways and vehicular accesses; and a minimum depth of 750mm is required at road crossings or under roadways.
 - Public lighting installation as per Offaly County Council's Street Lighting Requirements

Rev. No.	Date	Description	Dwn.	Chkd.	Appvd.
P1	25/01/23	INFORMATION	HP	BC	BC
P2	25/09/23	INFORMATION	HP	BC	BC

Rev. No.	Date	Description	Dwn.	Chkd.	Appvd.
P1	25/01/23	INFORMATION	HP	BC	BC
P2	25/09/23	INFORMATION	HP	BC	BC

- NOTES:
- THIS DRAWING TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTS, C&S ENGINEERS DRAWINGS & SPECIFICATIONS.
 - ALL WORKS TO BE CARRIED OUT IN ACCORDANCE WITH THE RELEVANT BUILDING REGULATIONS.
 - DO NOT SCALE - WORK TO FIGURE DIMENSIONS ONLY.



PROPOSED SITE SERVICES LAYOUT

Date: 25/01/2023
Scale: 1:250@A1 (1:500@A3)

Drawn By: H.P.
Checked By: B.C.
Approved By: B.C.

OFFALY COUNTY COUNCIL

Job Description: PROPOSED OPDs AT CIRCULAR ROAD BEECHWOOD COURT, DAINGEAN, Co. OFFALY

Project No: 22ME021
Drawing Ref: ME-1000
Rev: P2

Hayes Higgins Partnership

Gas House Lane, Kilkenny.

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A.3.4 INFORMATION