

LEGEND	
	EXISTING UNDERGROUND STREET/SITE LIGHTING CABLE ROUTE (SUBJECT TO IDENTIFICATION ON SITE)
	EXISTING OVERHEAD STREET/SITE LIGHTING CABLE ROUTE (SUBJECT TO IDENTIFICATION ON SITE)
	PROPOSED PUBLIC LIGHTING DUCTING ROUTE. DUCTS SHALL BE 107MM RED HDPE SINGLE WALL 5MM THICK DUCT STAMPED 'PUBLIC LIGHTING' TO I.S.135 CLASS B.
	PROPOSED PUBLIC LIGHTING DUCTING ROUTE. DUCTS SHALL BE uPVC COMPLYING WITH BS3506 CLASS B OR HIGH DENSITY POLYETHYLENE PIPE TO I.S.135 CLASS B. MINIMUM SIZE 100mm WITH 100mm SPARE DUCTS DEPLOYED AT ROAD CROSSINGS.
	PROPOSED PUBLIC LIGHTING MICRO PILLAR. PROPOSED MICRO PILLAR SHALL BE LOCATED A MINIMUM DISTANCE 2M FROM ESB MINI-PILLARS.
	EXISTING ESB NETWORKS MINI-PILLAR AND/OR RECESSED VAULT
	PROPOSED ESB NETWORKS MINI-PILLAR & VC2 VAULT ARRANGEMENT
	PROPOSED (800x800) CONCRETE DRAW PIT / INSPECTION CHAMBER.
	DENOTES 6 METRE COLUMN MOUNTED PUBLIC LIGHTING LUMINAIRE
	DENOTES COLUMN 8 METRE MOUNTED PUBLIC LIGHTING LUMINAIRE
	EXISTING STREET LIGHTING POLE

NOTES RELATING TO STREET LIGHTING INSTALLATIONS:

THE PUBLIC LIGHTING DESIGN SHALL FULLY COMPLY WITH BS5489:2013 LIGHTING CLASS P4.

THE CONTRACTOR SHALL NOTE THAT ALL PUBLIC LIGHTING DUCTING TO BE 100MM RED HIGH DENSITY POLYETHYLENE (HDPE) DUCTS STAMPED 'STREET LIGHTING' OR 'PUBLIC LIGHTING' AND BE IN ACCORDANCE WITH DUBLIN COUNTY COUNCIL PUBLIC LIGHTING REQUIREMENTS.

CONTRACTOR SHALL ENSURE THAT ALL ESNB SUPPLY POINTS, PUBLIC LIGHTING PILLARS, COLUMNS, DUCTS & CABLES ARE INSTALLED/PLACED OUTSIDE THE BOUNDARIES OF PRIVATE PROPERTY.

ALL COLUMNS SHALL BE OF TAPERED OCTAGONAL CONSTRUCTION, FABRICATED FROM 3mm SHEET STEEL OR OF TUBULAR STEEL CONSTRUCTION WITH A MINIMUM WALL THICKNESS OF 3mm. NO CIRCUMFERENTIAL BUTT-WELDING SHALL BE USED IN COLUMN CONSTRUCTION. ALL LIGHT COLUMNS SHOULD BE ACCESSIBLE FOR MAINTENANCE USING A TRUCK MOUNTED HOIST. PLACES WHERE THE TRUCK HOIST CANNOT ACCESS, HINGED COLUMNS ARE TO BE PROVIDED. COLUMNS SHALL COMPLY WITH DCC STREET LIGHTING DIVISION REQUIREMENTS & SPECIFICATIONS.

COLUMNS SHALL HAVE FITTED COMPARTMENT DOORS SET AT A HEIGHT OF 1.5m TO CENTRE OF OPENING ABOVE FINISHED ROAD LEVEL AND NORMALLY FACED AWAY FROM ONCOMING TRAFFIC.

CONTRACTOR SHOULD NOTE THAT THERE ARE TO BE NO MORE THAN 6 NO. LUMINAIRES ON ANY GIVEN CIRCUIT & NO MORE THAN 4 NO. CIRCUITS SHALL BE TAKEN FROM ANY GIVEN PUBLIC LIGHTING MINI PILLAR.

THE OUTSIDE OF THE PLANTED PORTION OF ALL COLUMNS SHALL BE PROTECTED BY A BITUMINOUS COATING EXTENDING TO A HEIGHT OF 150mm ABOVE GROUND LEVEL.

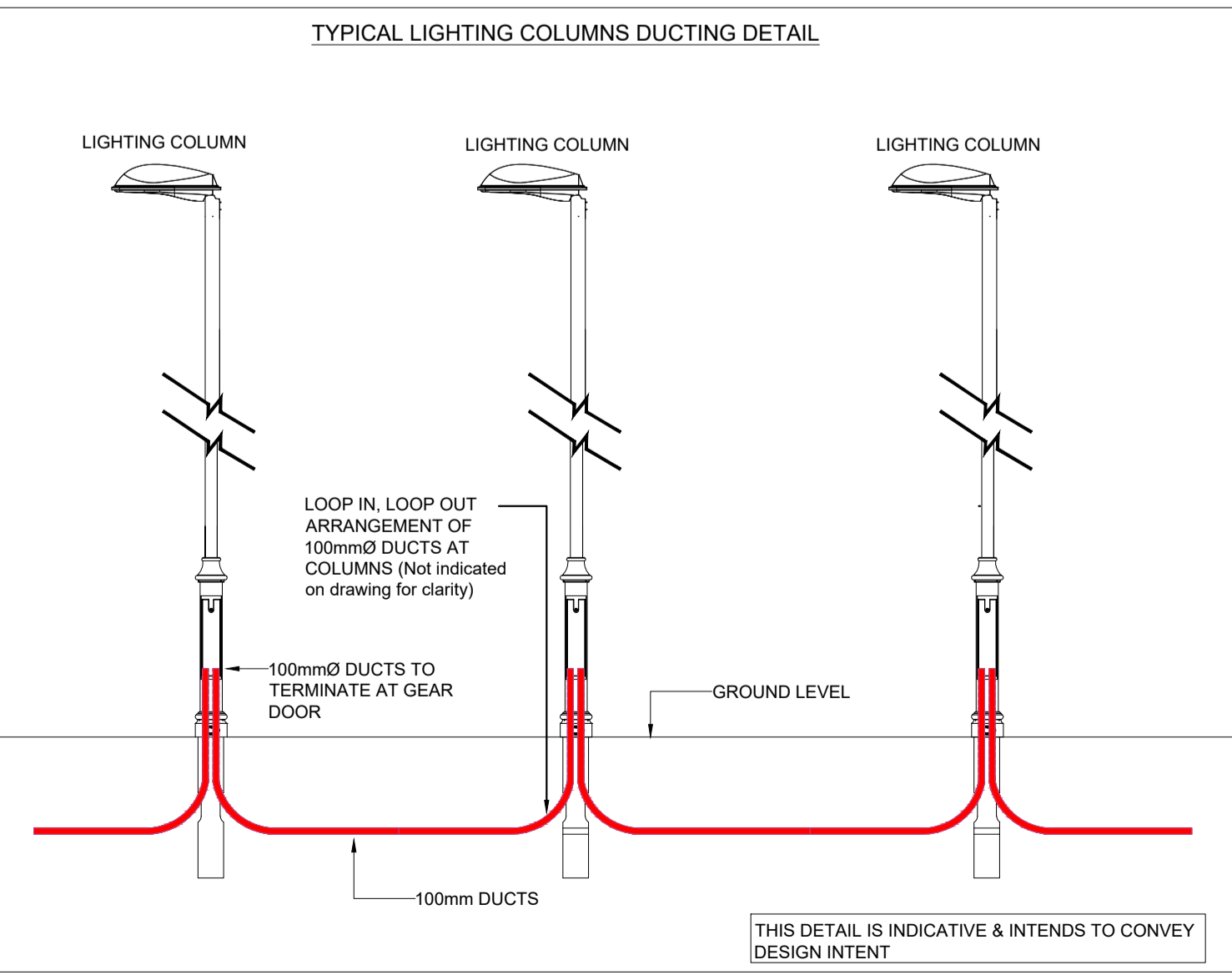
ALL DUCTS SHALL BE PLACED OUTSIDE THE BOUNDARIES OF PROPERTIES AND SHALL NOT AT ANY TIME PASS THROUGH ESB OR EIR TELECOM CHAMBERS. WHERE DUCTS CONVERGE AT A TEE THEY SHOULD TERMINATE IN A JB1 CHAMBER. WHERE DUCTS CROSS THE ROAD A JB1 CHAMBER SHOULD IDEALLY BE PLACED AT BOTH SIDES OF THE ROAD.

THE CONTRACTOR SHALL ENSURE THAT SPARE 100mm DUCTS ARE LAID ACROSS ALL DRIVEWAY APPROXIS. SPARE 100mm DUCT SHALL BE PROVIDED AT EACH ROAD CROSSING. IN ALL SITUATIONS ELECTRICAL HAZARD WARNING TAPE AS PER ET10101:2020 SHALL BE LAID AT THE APPROPRIATE DEPTH.

CABLING DEPLOYED FOR STREET LIGHTING SHALL BE MINIMUM 2*50 PVC/SWA/PVC PLUS INTEGRAL EARTH. THE SIZE OF THE CABLE SHOULD BE ADEQUATE TO LIMIT TO 4% VOLTAGE DROP FROM THE ESB NETWORKS SUPPLY POINT.

A BARE COPPER OR HOT DIP GALV IRON EARTH ROD 16mm DIA SHALL BE SUNK TO A MINIMUM DEPTH OF 1200mm ADJACENT TO EACH SERVICE PILLAR. EARTH RODS SHALL BE INSTALLED WITH SUITABLE INSPECTION BOXES TO FACILITATE INSPECTION OF THE EARTH CONDUCTOR CONNECTION TO THE ROD.

ELECTRICAL CONTRACTOR SHALL REFER TO DUBLIN COUNTY COUNCIL GUIDELINES FOR PUBLIC LIGHTING WORKS AND ENSURE THAT THEIR INSTALLATION FULLY COMPLIES WITH THIS DOCUMENT.



EXISTING STREET LIGHTING IN PLACE TO BE DISCONNECTED AND REMOVED AS PART OF THE HOUSING WORKS. LIGHTING COLUMN IS CURRENTLY LOCATED ON ROUNDABOUT BUT WILL INTERFERE WITH PROPOSED WORKS. WRITTEN APPROVAL TO BE SOUGHT FROM PUBLIC SERVICES LIGHTING.

P03 PART 8 SUBMISSION	DMcD	SF	19.11.2025
P02 PRE PART 8(SITE UPDATES)	DMcD	SF	20.03.2025
P01 PPFE PART 8 SUBMISSION	DMcD	SF	28.11.2024
REV DESCRIPTION	DRN	CKD	DATE

ISSUE PLANNING

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PROJECT TITLE
SOCIAL HOUSING BUNDLE 4/5

DRAWING TITLE
DEVELOPMENT AT CHERRY ORCHARD, DUBLIN
PUBLIC LIGHTING DUCTING REQUIREMENTS

DRAWING REFERENCE	DRN	SCALE
SHB5-CRD-DR-SMK-ME-P3-6033	DMcD	A1 1:400