












LEGEND	
	EXISTING UNDERGROUND STREET/STREET LIGHTING CABLE ROUTE (SUBJECT TO IDENTIFICATION ON SITE)
	EXISTING OVERHEAD STREET/STREET LIGHTING CABLE ROUTE (SUBJECT TO IDENTIFICATION ON SITE)
	PROPOSED PUBLIC LIGHTING DUCTING ROUTE DUCTS SHALL BE 100MM RED HDPE SINGLE WALL 5MM THICK DUCT STAMPED PUBLIC LIGHTING TO IS: 135 CLASS B
	PROPOSED PUBLIC LIGHTING DUCTING ROUTE DUCTS SHALL BE PVC COMPILING WITH BS5966 CLASS B OR HIGH DENSITY POLYETHYLENE PIPE TO IS: 135 CLASS B. MINIMUM SIZE 100MM WITH 100MM SPARE DUCTS DEPLOYED AT 100MM SPACING
	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 & 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 P3.

THE CONTRACTOR SHALL NOTE THAT ALL PUBLIC LIGHTING DUCTING TO BE 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 ESB 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 TUBULAR STEEL CONSTRUCTION WITH A MINIMUM WALL THICKNESS OF 3mm. NO CIRCUMFERENTIAL BUTTWELDING SHALL BE USED IN THE CONSTRUCTION OF COLUMNS. COLUMNS SHALL BE FINISHED TO THE DIVISION REQUIREMENTS & SPECIFICATIONS.

COLUMNS SHALL HAVE FITTED COMPARTMENT DOORS SET AT A HEIGHT OF 1.8m TO THE TOP OF THE COLUMN. COMPARTMENT DOORS SHALL BE FINISHED TO LEVEL AND NORMALLY FACED AWAY FROM ONCOMING TRAFFIC.

THE OUTSIDE OF THE PAINTED PORTION OF ALL COLUMNS SHALL BE PROTECTED BY A BITUMINOUS COATING EXTENDING TO A HEIGHT OF 1.8m ABOVE GROUND LEVEL. ALL DUCTS SHALL BE PLACED OUTSIDE THE BOUNDARIES OF PROPERTIES AND SHALL NOT AT ANY TIME PASS THROUGH ESB OR IIR TELECOM CHAMBERS.

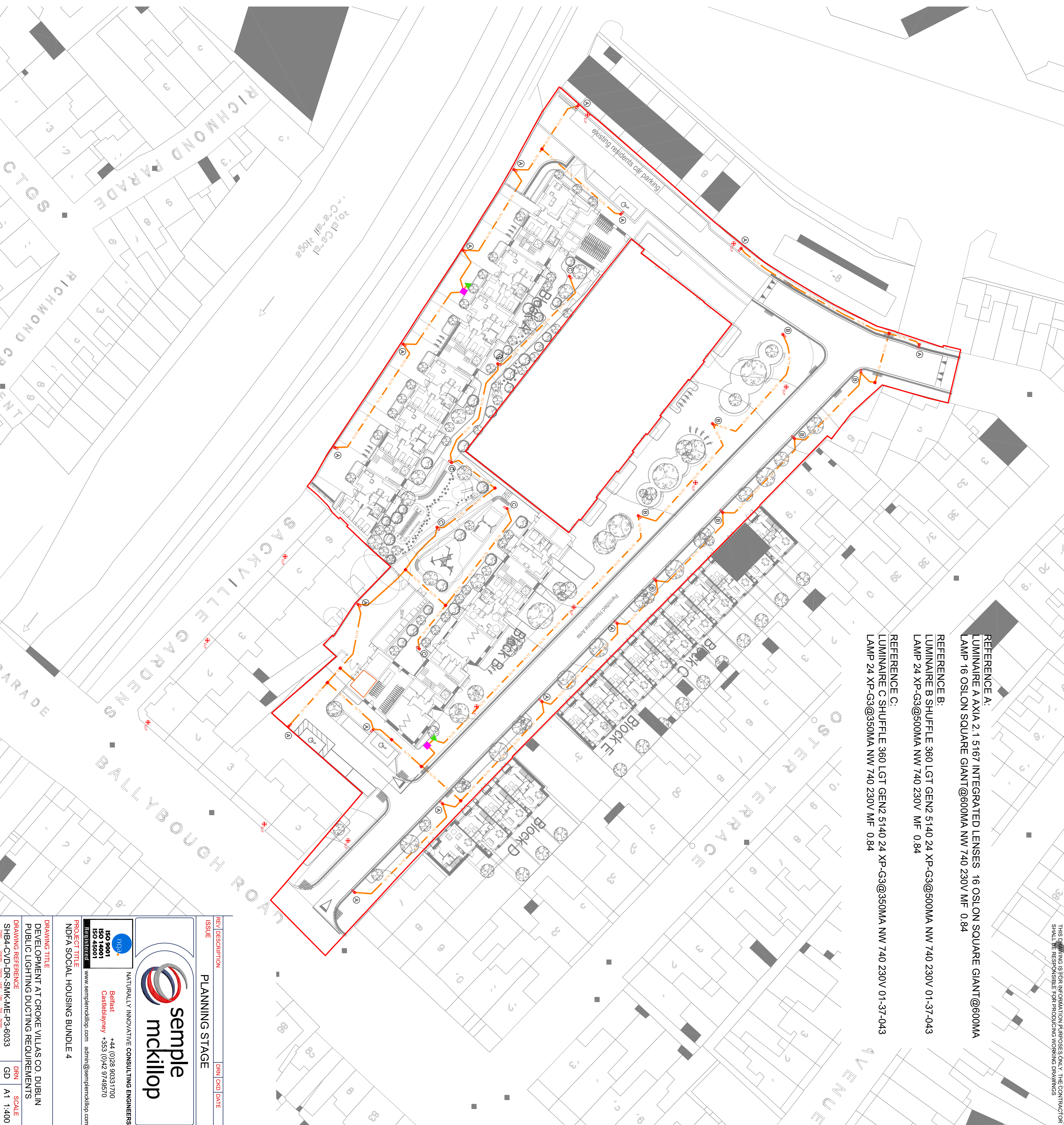
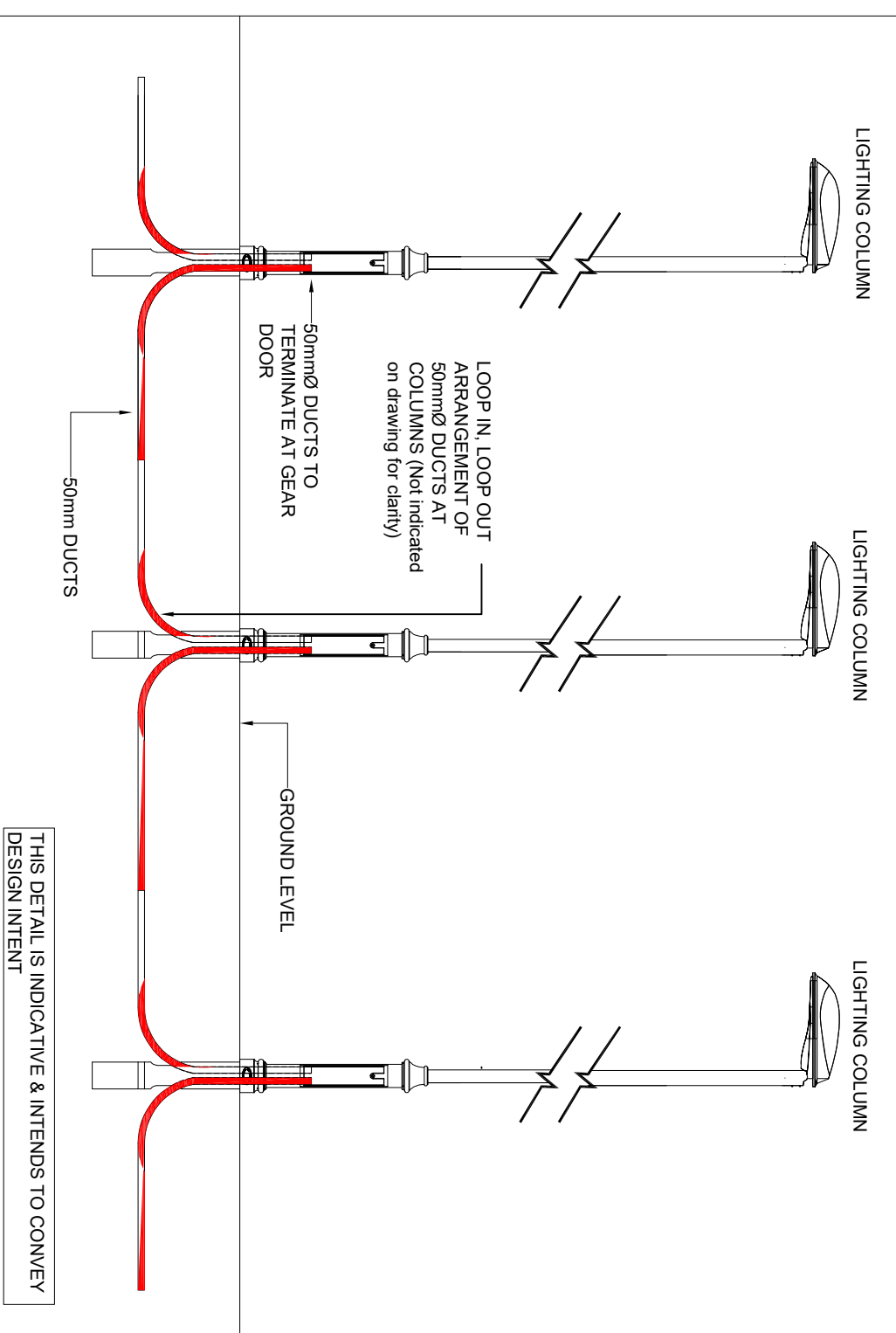
THE CONTRACTOR SHALL ENSURE THAT SPARE 50mm DUCTS ARE Laid ACROSS ALL DRIVEWAYS AERONS. SPARE 100mm DUCT SHALL BE PROVIDED AT EACH ROAD CROSSING. IN ALL SITUATIONS ELECTRICAL HAZARD WARNING TAPE AS PER EN10172:2003 SHALL BE Laid AT THE APPROPRIATE DEPTH.

CABLING DEPLOYED FOR STREET LIGHTING SHALL BE MINIMUM 28mm SO CABLESWAY/PLUS INTEGRAL EARTH.

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

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

**TYPICAL LIGHTING COLUMNS DUCTING DETAIL**



REFERENCE A:  
LUMINAIRE A AXIA 2.1 5167 INTEGRATED LENSES 16 OSLO SQUARE GIANT@600MA  
LAMP 16 OSLO SQUARE GIANT@600MA NW 740 230V MF 0.84

REFERENCE B:  
LUMINAIRE B SHUFFLE 360 LGT GEN2 5140 24 XP-G3@500MA NW 740 230V 01-37-043  
LAMP 24 XP-G3@500MA NW 740 230V MF 0.84

REFERENCE C:  
LUMINAIRE C SHUFFLE 360 LGT GEN2 5140 24 XP-G3@350MA NW 740 230V 01-37-043  
LAMP 24 XP-G3@350MA NW 740 230V MF 0.84

REV / DESCRIPTION	ISSUE	DATE
PLANNING STAGE		

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PROJECT TITLE  
NDFA SOCIAL HOUSING BUNDLE 4

DRAWING TITLE  
DEVELOPMENT AT CROKE VILLAS CO. DUBLIN  
PUBLIC LIGHTING DUCTING REQUIREMENTS

DRAWING REFERENCE  
SHB4-CVD-DR-SMK-ME-P3-6033

DRN SCALE  
GD A1 1:400