MOUNTED @6m ON LIGHTING DIMS:106 (D) x 78mm(H)

AS PER LUMINAIRE SCHEDULE

COLUMN.

**REF: 'X7' LUMINAIRES** 26W, 4000K, 2815lm, POLE MOUNTED LUMINAIRE ON 4m HIGH COLUMN. DIMS: Ø475mm x 590mm (H)

AS PER LUMINAIRE SCHEDULE

THIS DRAWING IS THE PROPERTY OF IN2 ENGINEERING DESIGN PARTNERSHIP & SHALL NOT BE USED, REPRODUCED OR DISCLOSED TO ANYONE WITHOUT PRIOR WRITTEN PERMISSION OF IN2 ENGINEERING DESIGN PARTNERSHIP & SHALL BE RETURNED UPON REQUEST.

5W, 3000K, 480lm, SURFACE MOUNTED LUMINAIRE DIMS: Ø85mm x 110mm (H)

AS PER LUMINAIRE SCHEDULE

REF: 'X8' LUMINAIRES

REF: 'X9' LUMINAIRES 4.8W/m, 2700K, 500lm/m, LED STRIP MOUNTED ON 45° PROFILE, DIMMED TO 50 % DIMS: 10mm (W) x 4mm (H)

AS PER LUMINAIRE SCHEDULE

ISOLUX CONTOUR LINES REFERENCE KEY 5 LUX ( REALITY LIGHTING ISOLUX CONTOUR LINE)

7.5 LUX ( REALITY LIGHTING ISOLUX CONTOUR LINE) 10 LUX ( REALITY LIGHTING ISOLUX CONTOUR LINE) 15 LUX ( REALITY LIGHTING ISOLUX CONTOUR LINE)

SITE LIGHTING SYMBOLS REFERENCE KEY

LIGHTING CIRCUIT X5 / X6 STREET LIGHTING AMENITY SPACES AMENITY SPACES AMENITY SPACES

LIGHTING COLUMN

## SITE LIGHTING NOTES

- 1.00 LIGHTING POLES TO BE ALUMINIUM, ROOT MOUNTED, CONE SHAPED WITH TOP TAIL OF 60mm Ø c/w CLASS II 4x16mm2 SHUNT TERMINAL CONNECTION BLOCK - HEIGHT 5m ABOVE FINISHED GROUND LEVEL c/w TILTING FACILITY TO ALLOW FOR EASE OF MAINTENANCE.
- 2.00 LIGHTING POLES TO ACCOMMODATE UP TO 3no. LIGHT FITTINGS. FITTING BRACKETS TO BE SUITABLE FOR SPECIFIED POLE WITH TOP BRACKET FOR UPPER FITTING. DIRECTION OF FITTINGS TO BE CONFIRMED AND COORDINATED ON SITE.
- 3.00 ALL CABLING TO EXTERNAL LIGHTING LOCATIONS TO BE WIRED IN 3 Core 6mm<sup>2</sup> CU/XLPE/SWA/LSOH CONTAINED IN HDPE DUCTS.
- 4.00 ALL IN GROUND HDPE DUCTS TO BE INSTALLED BY THE MAIN CONTRACTOR UNDER THE COORDINATION OF THE ELECTRICAL CONTRACTOR.
- 5.00 THE ELECTRICAL CONTRACTOR SHALL, PRIOR TO THE INSTALLATION, VERIFY THE CAPACITY OF THE IN-GROUND DUCT NETWORK TO THE MAIN CONTRACTOR.
- 6.00 EACH EXTERNAL LIGHTING LUMINAIRE SHALL BE SWITCHED BY MINIATURE PHOTO-ELECTRONIC SWITCH INTEGRATED INTO THE LED LUMINAIRE SUCH AS THE SELC 8482 OR APPROVED EQUAL AND EACH LUMINAIRE SHALL BE INDIVIDUALLY
- CONTROLLED BY THIS PHOTOCELL. 7.00 THE PHOTOCELL USED SHALL COMPLY WITH THE LATEST VERSION OF BS5972. THE PHOTOCELL CONTROLL SHALL SWITCH ON/OFF THE LUMINAIRE AT 35/ 18 LUX
- 8.00 ALL OUTGOING CIRCUITS SHALL BE INDIVIDUALLY FUSED BY MEANS OF A 16 OR 20
- AMP HRC CUT-OUT TYPE AND CAPABLE OF ACCOMMODATING CABLE SIZES UP TO 25mm². THESE FUSES SHALL BE RATED 20kA MINIMUM RUPTURING CAPACITY AND
- SHALL COMPLY WITH BS88.
- 9.00 THE CONTRACTOR SHALL MAKE A FULL TECHNICAL SUBMITTAL TO THE DESIGN TEAM FOR ALL EXTERNAL LIGHTING FOR APPROVAL PRIOR TO ORDERING.
- 10.00 THE ELECTRICAL CONTRACTOR SHALL REFER TO IN2 ENGINEERING DRAWING No.s
- E-0201 & E-0201 FOR ROUTING OF IN-GROUND DUCTS.
- 11.00 THE CONTRACTOR SHALL MAKE A FULL TECHNICAL SUBMITTAL TO THE DESIGN





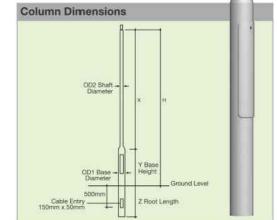
DESCRIPTION

ALL MANHOLES TO BE c/w HEAVY TRAFFIC GRADE COVERS OF INFILL MANHOLE COVERS TO MATCH SURFACE FINISH AS PER LANDSCAPE ARCHITECTS DETAIL. 8 METER PROPRIETRY LUMINAIRE COLUMN BY ELECTRICAL CONTRACTOR. FILL IN AS DESIRED TO Ø100mm RED PVC DUCT FOR SITE LIGHTING Ø300mm PVC SLEEVE 150mm CONCRETE FILL COMPACTED SAND FILL ALL ROUND BY PUBLIC LIGHTING CONTRACTOR 50mm CONCRETE SLAB

SLEEVE DETAIL FOR COLUMN LUMINAIRE



6m HIGH CONICAL TUBULAR STEEL LIGHTING COLUMN.



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w: www.in2.ie STATUS DATE STATUS DATE DESCRIPTION STATUS DATE DESCRIPTION DRN ENG APP REV

ISSUED FOR PLANNING DS YP JR P01 STATUS DATE DRN ENG APP REV DESCRIPTION DRN ENG APP REV

**PROJECT** White Heather Residential White Heather Industrial Estate, South Circular Road, Dublin 8 Palm Capital

DRAWING TITLE ELECTRICAL SERVICES INSTALLATION SITE PLAN SITE LIGHTING LAYOUT DRAWING No. WHR-IN2-ZZ-ZZ-DR-E-0101 1:200 A0