

GENERAL NOTES AND SPECIFICATIONS

ALL ELECTRICAL WORKS SHALL BE DONE IN ACCORDANCE WITH THE PROVISION OF THE LATEST EDITION OF THE PHILIPPINE ELECTRICAL CODE THE LAWS AND ORDINANCES OF THE LOCAL CODE ENFORCING AUTHORITIES AND THE REQUIREMENTS OF THE LOCAL POWER COMPANY.

THE CONTRACTOR SHALL SECURE ALL PERMITS AND ALL FEES REQUIRED FOR THE WORK AND FURNISH THE OWNER THROUGH THE ENGINEERS FINAL CERTIFICATE OF ELECTRICAL INSPECTION AND APPROVAL FROM THE PROPER GOVERNMENT AUTHORITIES FOR COMPLETE WORK.

THE ELECTRICAL SERVICE VOLTAGE SHALL BE 220V, SINGLE PHASE, 3 WIRE, 60HZ. ALL MATERIALS TO BE USED AND EQUIPMENT TO BE INSTALLED SHALL BE BRAND NEW AND SHALL BE APPROVED TYPES FOR THE PARTICULAR LOCATION AND PURPOSED INTENDED.

ALL WIRES SHALL BE COPPER AND THERMOPLASTIC INSULATED TYPE THHN SHALL BE USED.

BOXES SHALL BE OF STEEL, ZINC CHROMATE PROTECTION.

ALL UNDERGROUND CONDUIT PIPES SHALL BE UNPLASTICIZED POLYVINYL CHLORIDE CONDUIT (uPVC) SCHEDULE 40 POLY ETHYLENE PIPE, PROVIDE INTERMEDIATE STEEL CONDUITS WHERE SHOWN IN THE DRAWINGS.

UNDERGROUND CONDUIT RUNS SHALL BE BURIED AT A MINIMUM OF 600mm BELOW GROUND LEVEL.

PIPES SHALL BE BURIED IN A MINIMUM DEPTH OF 450mm BELOW THE GROUND.

CIRCUIT RUNS SHALL BE PROVIDED WITH A THHN GROUND WIRE (PLEASE REFER TO LOAD SCHEDULE FOR THE SIZES OF CONDUITS AND WIRES) THIS GROUND WIRE SHALL BE TERMINATED AT THE PANELBOARD LOCATION AT ALL STREET LIGHT POLE LOCATIONS. ALL METAL SURFACES SHALL LIKEWISE BE GROUNDED.

ALL STREET LUMINAIRE ASSEMBLY SHALL INCLUDES POLE AND FOUNDATION WITH STAND UP TO 250MPH GUSTING WINDS WITHOUT PERMANENT DEFORMATION.

PROVIDE PROPER AND ADEQUATE GROUNDING SYSTEM. ALL METALLIC BODIES SHALL BE GROUNDED.

DO NOT INSTALL POLE WITHOUT COMPLETE INSTALLATION/CONNECTION ASSEMBLY.


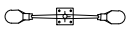


THE CONTRACTOR SHALL RESTORE ALL THE AFFECTED AREAS.

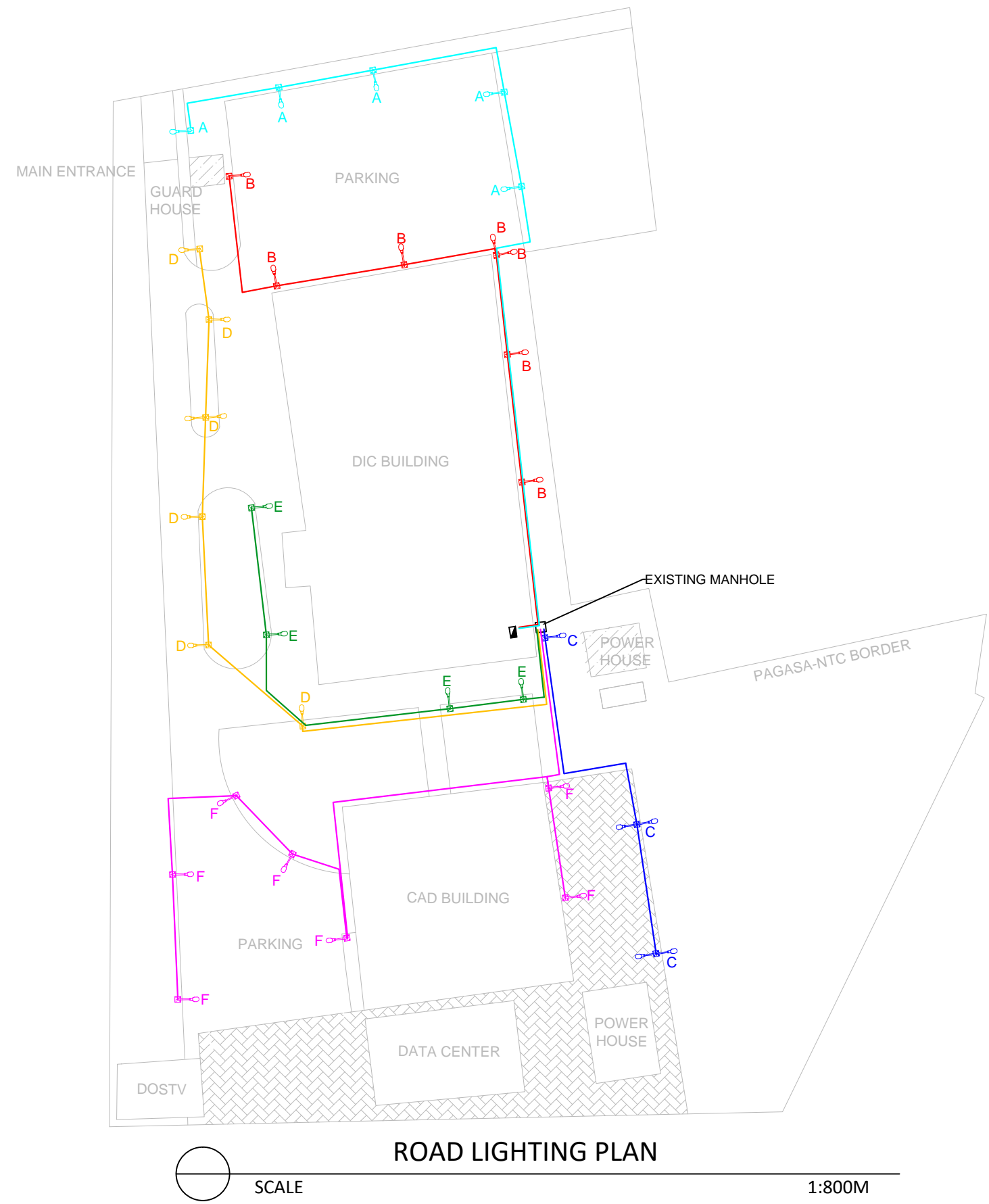
THE ELECTRICAL WORKS SHALL BE DONE UNDER THE DIRECT SUPERVISION OF THE DULY REGISTERED ELECTRICAL ENGINEER OR REGISTERED MASTER ELECTRICIAN.


LED STREET LIGHTS SPECIFICATIONS:

LED CHIP:	Taiwan EPISTAR / US CREE
LED Driver:	Taiwan Meanwell
IP Rating:	IP65
CRI:	75
Input Voltage:	AC85~265V
CCT:	2700-6500
Light Color:	Warm White
Power Efficiency:	>0.88
Power Factor:	>0.95
Luminous Flux:	110 lm/w
Working Temperature:	-30?-50?
Installation Height:	30W to 50W: 3-5m, 100W/150W: 8-12m
Beam Angle:	120 degree
Life span:	50,000 Hrs
Main Material:	Die Cast Aluminum
Product Size (mm):	50W: 620*280*100mm

LEGEND:

	SINGLE ARM STREET LIGHT
	DOUBLE ARM STREET LIGHT
	PANEL BOARD
	CIRCUIT BREAKER



	TITLE:	SHEET NO.:	DRAWN BY:	CHECKED BY:	VERIFIED BY:	NOTED BY:	RECOMMENDING APPROVAL	APPROVAL:
	SUPPLY, DELIVERY, INSTALLATION, TESTING AND COMMISSIONING OF STREET LIGHTS	E/1	CHRISTOPHER DAVE N. SABADO J.O, METTSS, ETSD	DIOSDADO S. ORNUM WFS III, METTSS, ETSD	JESSEI B. ARCE CHIEF, MEIES, ETSD	EDWIN F. MANRESA CHIEF, ETSD	CATALINO L. DAVIS DA for AES	VICENTE B. MALANO ADMINISTRATOR
	LOCATION: WFFC COMPOUND	ELECTRICAL						