

KEY PLAN N.T.S.



No.	REVISIONS	MARK	DATE	BY
3	RE-ISSUED FOR SPA		MAY 17/2016	J.T.
2	ISSUED FOR SPA		MAR 09/2016	J.T.
1	ISSUED FOR COORDINATION		OCT 27/2015	J.T.

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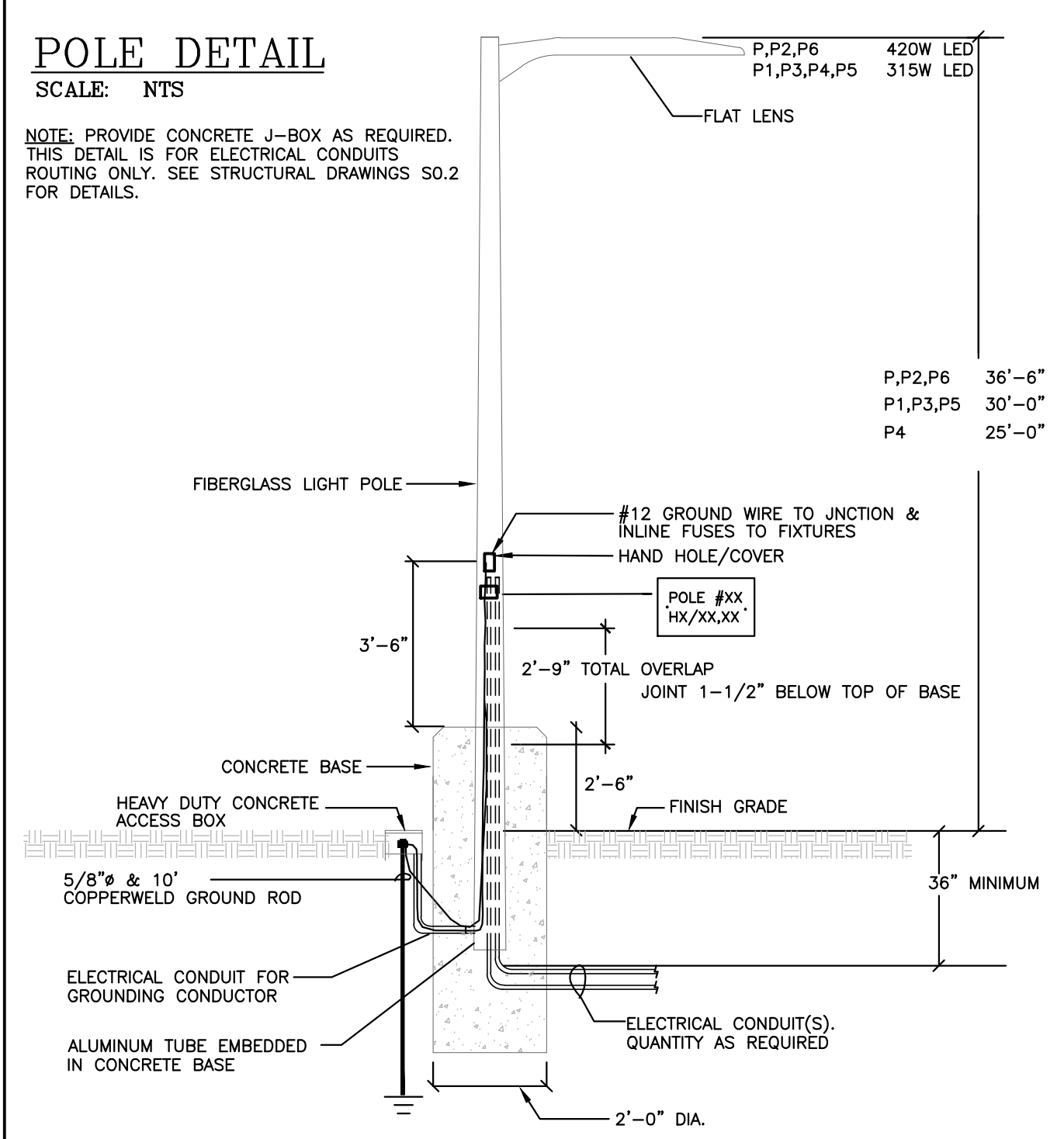
BLOCK B - ELECTRICAL SITE PLAN AND DETAILS

SCALE: 1 : 500

COMMERCIAL DEVELOPMENT
CITY CENTRE EAST
2012 OGILVIE ROAD - GLOUCESTER
OTTAWA, ON



DRAWN BY	J.T.	PROJECT No.	13-487
CHECKED BY	MH	DATE	MAY 17, 2016
DATE	MAY 17, 2016	ENG. No.	500
ISSUED	MAY 17, 2016		



- GENERAL NOTES:**
- THE CONTRACTOR SHALL APPLY FOR, OBTAIN AND PAY FOR ALL PERMITS, LICENSES, INSPECTIONS, EXAMINATIONS AND TESTS REQUIRED TO COMPLETE ALL WORK AS SHOWN.
 - COSTCO GENERAL CONTRACTOR SHALL PROVIDE ALL LABOUR, MATERIAL AND EQUIPMENT (UNLESS OTHERWISE INDICATED) NECESSARY TO COMPLETE ALL WORK AS SHOWN.
 - CABLE/CONDUIT ROUTING AND TERMINATIONS INSIDE PROPERTY LINE ARE DIAGRAMMATIC, SHOWING THE APPROXIMATE ARRANGEMENT. OBTAIN LOCATES BEFORE STARTING ANY WORK, INSIDE AND OUTSIDE COSTCO PROPERTY LINES.
 - ELECTRICAL CONTRACTOR TO VERIFY IN FIELD EXISTING ELECTRICAL FEEDERS, DETECT ALL FEEDERS BEFORE EXCAVATING FOR NEW DUCT BANKS, REPAIR DAMAGED CONDUITS AND WIRES DURING CONSTRUCTION AT NO COST TO OWNER.
 - NEW NATURAL GAS SERVICE PROVIDED BY ENERGEAS GAS.
 - ALL WORK ON UNDERGROUND CONDUIT/CABLE/DUCT BANKS TO INCLUDE EXCAVATION, INSTALLATION OF CONDUIT/CABLE/DUCT BANKS BACK FILLED TO GRADE AND RENESTATE EXISTING SURFACE. ALL DUCT BANKS TO INCLUDE FULL ROPE.
 - UNDERGROUND CONDUIT/CABLE/DUCT BANKS TO BE BURIED MIN. 600mm BELOW FINISHED GRADE IN NON TRAFFIC AREAS AND MIN. 900mm BELOW FINISHED GRADE IN TRAFFIC AREAS. REFER TO DEC FOR ADDITIONAL REQUIREMENTS.
 - ALL CONDUITS RUNNING TO OR THROUGH HAZARDOUS AREA MUST BE GALVANIZED RIGID STEEL AND EQUIPPED WITH 'EYS' TYPE SEALS AT BOTH ENDS.
 - GENERAL CONTRACTOR RESPONSIBLE FOR ALL CIVIL WORKS AND MATERIALS WITHIN PROPERTY RELATED TO UTILITY INSTALLATIONS OR RELOCATION INCLUDING NEW SURFACES WHERE REQUIRED.
 - UTILITY REPRESENTATIVES RESPONSIBLE FOR OBTAINING MUNICIPAL PERMITS FOR ALL WORKS WITHIN MUNICIPAL RIGHT-OF-WAYS. COORDINATE CONSTRUCTION START DATE WITH GENERAL CONTRACTOR ACCORDINGLY.
 - ALL UTILITY DESIGNS ARE PRELIMINARY AND ARE PENDING APPROVAL FROM UTILITY RESPONSIBLE FOR SERVICE. GENERAL CONTRACTOR IS TO COORDINATE WITH UTILITY REPRESENTATIVE REGARDING SCHEDULING AND EXECUTION OF WORK.
 - UPS SOURCE OF POWER REQUIRED FOR FIBRE EQUIPMENT IN ELECTRICAL ROOM.
 - 'MIST LOCK' PLUGS REQUIRED FOR PHONE SERVICE IN ELECTRICAL ROOM.
 - BELL CANADA RESPONSIBLE FOR ALL WORKS AND PERMITS OUTSIDE PROPERTY LINE.
 - BELL TO PROVIDE FIBRE OPTIC SERVICE.

CABLE/CONDUIT SCHEDULE

NO.	SERVICE	CABLES	CONDUIT
C1	27.6KV, 3PH, PRIMARY HYDRO SERVICE FROM POLE TO TRANSFORMER	HY CABLES BY HYDRO OTTAWA	4-100mm (2W-2H) PVC CONCRETE ENCASED DUCT BANK
C2	2000A, 600V, 3PH, 4W WAREHOUSE SECONDARY SERVICE	6W-750MCM + GND COPPER CONDUCTORS	2-100mm (6W+4H) PVC CONCRETE ENCASED DUCT BANK
C3	27.6KV, 3PH, PRIMARY HYDRO SERVICE FROM POLE TO FUEL FACILITY TRANSFORMER	HY CABLES BY HYDRO OTTAWA	4-100mm (2W-2H) PVC CONCRETE ENCASED DUCT BANK
C4	200A, 208V, 3PH, 4W FUEL FACILITY SECONDARY SERVICE	#4/0 AND 1#3 AWG GND COPPER CONDUCTORS	2-100mm PVC CONCRETE ENCASED DUCT BANK
C5	PHONE SERVICE FROM WAREHOUSE	(2) 25 PAIR PHONE WIRE C/2# 1C #12 AWG GND	53mm PVC CONDUIT
C6	SECURITY TO WAREHOUSE	SIZE AND TYPE OF WIRE AS REQUIRED	53mm PVC CONDUIT
C7	FIBRE OPTIC TO WAREHOUSE EDP ROOM	SIZE AND TYPE OF WIRE AS REQUIRED	27mm PVC CONDUIT
C8	VEEDER ROOM ALARM TO WAREHOUSE ENTRY/EXIT	3C #10 AND 1C #10 AWG GND	27mm PVC CONDUIT
C9	SPARE CONDUIT		53mm PVC CONDUIT
C10	COMMUNICATIONS TO WAREHOUSE	1 FIBRE OPTIC	100mm PVC CONDUIT
C11	COMMUNICATIONS TO WAREHOUSE	1 CABLE (FUTURE)	100mm PVC CONDUIT
C12	COMMUNICATIONS TO WAREHOUSE	SPARE	100mm PVC CONDUIT

FIXTURE DESCRIPTION

P	COOPER GALLEON GLEON-AE-8-LED-E1-SM-QZ, 420W TYPE 5 DISTRIBUTION, FIBERGLASS POLE 36'-6" ABOVE GRADE, WITH 2'-6" BASE.
P1	COOPER GALLEON GLEON-AE-6-LED-E1-SL3-HSS-BZ, 315W TYPE 3 DISTRIBUTION, FIBERGLASS POLE 30'-0" ABOVE GRADE, WITH 2'-6" BASE.
P2	COOPER GALLEON GLEON-AE-8-LED-E1-SM-QZ, 420W TYPE 5 DISTRIBUTION, FIBERGLASS POLE 36'-6" ABOVE GRADE, WITH 2'-6" BASE.
P3	COOPER GALLEON GLEON-AE-6-LED-E1-SL4-HSS-BZ, 315W TYPE 4 DISTRIBUTION, FIBERGLASS POLE 30'-0" ABOVE GRADE, WITH 2'-6" BASE.
P4	COOPER GALLEON GLEON-AE-8-LED-E1-SM-QZ, 420W TYPE 5 DISTRIBUTION, FIBERGLASS POLE 36'-6" ABOVE GRADE, WITH 2'-6" BASE.
P5	COOPER GALLEON GLEON-AE-6-LED-E1-SL3-BZ, 315W TYPE 3 DISTRIBUTION, FIBERGLASS POLE 30'-0" ABOVE GRADE, WITH 2'-6" BASE.
P6	COOPER GALLEON GLEON-AE-8-LED-E1-T3-BZ, 420W TYPE 3 DISTRIBUTION, FIBERGLASS POLE 36'-6" ABOVE GRADE, WITH 2'-6" BASE.

