PROJECT KEYNOTE LEGEND

NOTE #	
1	DEV CO SHALL SUPPLY AND INSTALL THE 13.2KV METERING BAYS IN THE CONTRACTING AUTHORITIES INCOMING SWITCHGEAR. CURRENT TRANSFORMERS (CT'S) AND POTENTIAL TRANSFORMERS (PT'S) IN THE METERING BAYS SHALL BE SUPPLIED BY HOL. INSTALLATION OF THE CT'S AND PT'S BY THE PROJECT CO VENDOR IN THE VENDORS PLANT SUBJECT TO HOL APPROVAL/REVIEW OF THE VENDOR'S SHOP DRAWING SUBMISSION. SUPPLY AND INSTALL WALL MOUNTED METERING CABINETS, METERING SOCKETS AND EMPTY CONDUITS TO HOL'S REQUIREMENTS.
2	ALL EXTERIOR LIGHTING SHALL BE FULL CUT-OFF, DARK SKY COMPLIANT AND 3000K COLOUR TEMPERATURE.
3	EXTERIOR SITE LIGHTING SHALL BE FED FROM CONDITIONAL POWER. BUILDING AND CANOPY MOUNTED LIGHTING SHALL BE FED FROM VITAL POWER.
4	ALL EXTERIOR LIGHTING SHALL BE CONTROLLED VIA PHOTOCELL.
5	PROVIDE TWO (2) X 104mm EMPTY ICAT PATHWAYS FROM THE NEAREST TELECOMMUNICATIONS ROOM, TR-0-TB-06, TO THE EXTERIOR OF THE BUILDING NEAR THE AMBULANCE BAY FOR CONNECTION TO THE SURGE TEMPORARY STRUCTURE. PATHWAYS TO BE TERMINATED IN A WEATHERPROOF BOX TO ALLOW FOR CONNECTION TO SURGE TENT DURING SURGE EVENT.
6	PROVIDE AN EXTERIOR LOCKED WEATHERPROOF ENCLOSURE WITH TWO (2) UPS FED RECEPTACLES INSIDE WITH WEATHERTIGHT CABLE EXIT GLANDS TO SUPPORT COMMUNICATIONS EQUIPMENT AT THE EMERGENCY AMBULANCE GARAGE TO SUPPORT DISASTER MANAGEMENT.
7	PROVIDE TWO (2) 100A/3P DISCONNECT SWITCHES IN A WEATHERPROOF ENCLOSURE FOR TEMPORARY SURGE TENT STRUCTURE. ONE (1) FOR VITAL/DELAYED VITAL FED FROM DISTRIBUTION PANEL DP-TB-CBRNE-A.1 AND ONE (1) FOR CONDITIONAL POWER FED FROM DISTRIBUTION PANEL DP-TB-CBRNE.B.1 LOCATED IN SUBSTATION ROOM B. SERVICE SIZE BASED ON 5W/SQFT.
8	EACH AMBULANCE PARKING SPACE TO BE COMPLETE WITH ONE (1) 35MM CONDUIT FROM THE MAIN ELECTRICAL ROOM.
9	PROJECT CO SHALL BE RESPONSIBLE FOR, BUT NOT LIMITED TO, THE FOLLOWING; CONSTRUCT THE MEDIUM VOLTAGE CONCRETE ENCASED DUCT BANKS (TO CUP FROM HOL VAULT) TO OESC REQUIREMENTS, DEPENDING ON THE FINAL ROUTING OF THE DUCT BANK, INCLUDE MANHOLES AS REQUIRED. PROVIDE MEDIUM VOLTAGE CABLING INCLUDING PULLING AND TESTING FROM HOL DEMARCATION POINT IN THE VAULT TO CUP. SLOPE DUCT BANKS AWAY FROM BUILDING AND PROVIDE NYLON PULLING ROPE IN EACH DUCT. COORDIANTE THE LOCATION OF SERVICING WITH ALL OTHER UTILITIES, LANDSCAPING, ARCHITECTURAL AND STRUCTURAL PLANS.
10	LEED BOUNDARY PER PSOS 1.2.4.10.1.6 - PROJECT CO SHALL BE RESPONSIBLE FOR ESTABLISHING LEED BOUNDARY EXCLUDING THE CUP AREAS REFERRED TO AS PARTS 5 AND 19 OF PA SCHEDULE 35 TABLE 1 AND SHALL INCLUDE PARTS 1,2,3,4 AND 18 OF PA SCHEDULE 35 TABLE 1.
11	NORMAL POWER DUCT BANK LOCATED 1M OUTSIDE OF CUP BUILDING. COORDINATE WITH ALL APPROPRIATE TRADE AND EXTEND TO THE MAIN ELECTRICAL AS SHOWN.
12	EMERGENCY POWER DUCT BANK LOCATED 1M OUTSIDE OF CUP BUILDING. COORDINATE WITH ALL APPROPRIATE TRADE AND EXTEND TO THE MAIN ELECTRICAL ROOM AS SHOWN.
13	PROJECT CO SHALL BE RESPONSIBLE FOR, BUT NOT LIMITED TO, THE FOLLOWING; CONSTRUCT THE NORMAL POWER MEDIUM VOLTAGE CONCRETE ENCASED DUCT BANKS (TO NCD FROM CUP) TO OESC REQUIREMENTS, DEPENDING ON THE FINAL ROUTING OF THE DUCT BANK, INCLUDE MANHOLES AS REQUIRED. PROVIDE MEDIUM VOLTAGE CABLING INCLUDING PULLING AND TESTING FROM HOL DEMARCATION POINT IN THE CUP TO NCD MAIN SWITCHGEAR. SLOPE DUCT BANKS AWAY FROM BUILDING AND PROVIDE NYLON PULLING ROPE IN EACH DUCT. COORDIANTE THE LOCATION OF SERVICING WITH ALL OTHER UTILITIES, LANDSCAPING, ARCHITECTURAL AND STRUCTURAL PLANS.
14	4M X 2.2M MANHOLE FOR EMERGENCY POWER SERVICES. 2 PARALLEL DUCT BANKS 4W X 1H FOR GENERATOR POWER FROM CUP.
15	4M X 2.2M MANHOLE FOR NORMAL POWER SERVICES.
16	ELECTRICAL CONTRACTOR SHALL PROVIDE CONDITIONAL POWER AND DATA FOR OUTDOOR CHECMICAL STORAGE SHEDS. POWER CONNECTION TO BE CONFIRMED WITH STORAGE SHED MANUFACTURER. DATA SHALL BE PROVIDED FROM NEAREST CABLE TRAY/TELECOMMUNICATIONS ROOMS.
17	PROVIDE AN EXTERIOR LOCKED WEATHERPROOF ENCLOSURE WITH SIX (6) UPS FED RECEPTACLES INSIDE WITH WEATHERTIGHT CABLE EXIT GLANDS TO SUPPORT COMMUNICATIONS EQUIPMENT AT THE OCCASSIONAL COMMAND POST. PROVIDE AN EXTERIOR LOCKED WEATHERPROOF ENCLOSURE TO SUPPORT HARDENED COMMUNICATIONS NETWORK EQUIPMENT MOUNTING. LOCATED AT THE NORTHWEST CORNER OF THE INTERSECTION OF ROAD A AND ROAD B WITHIN 3M OF THE BUILDING INCOMING TRAFFIC STOP SIGN.
18	REFER TO SHEET E1-601 AND E1-602 FOR DUCT BANK DETAIL.
19	FINAL ROUTING FOR DUCT BANK FROM MAPLE DRIVE TO CUP BULDING STRUCTURE SHALL BE COORDINATED WITH ADVANCED WORKS AND CUP UNDERGROUND SERVICING.
20	ELECTRICAL CONTRACTOR SHALL SUPPLY AND INSTALL A 27mm CONDUIT FROM THIS LOCATION UNDER GRADE WITHIN THE CISTERN BACK TO THE IRRIGATION CONTROLLER LOCATED IN THE WATER ENTRY ROOM LOCATED WITHIN THE BUILDING ON LEVEL S. CONDUIT SHALL TERMIANTE AT THE WATER CONNECTION POINT, REFER TO LANDSCAPE DRAWINGS. ADDITIONAL CONDUIT SHALL BE PROVIDED FOR ASSOCIATED PUMP WITHIN CISTERN.

GENERAL NOTES:

1. ELECTRICAL CIRCUITING COVERAGE SHALL BE PROVIDED FROM NEARBY PANELS FOR ALL SITE RELATED POWER REQUIRED.
2. EXTERIOR TRACKING FOR RTLS SHOWN ON SITE SHALL BE MOUNTED IN LINE WITH LEVEL 04 (20 METERS ABOVE GRADE).
3. REFER TO SITE ZONE PLANS (1-5) FOR LOCATION OF SECTIONS SHOWN FOR DUCT BANK ELEVATIONS AND DETAILS. DETAILS SHOWN ON SHEET E1-601.
4. REFER TO SITE ZONE PLANS (1-5) FOR ADDITIONAL DEVICES/EQUIPMENT AND ELECTRICAL SERVCIES REQUIRED.
5. EXTERIOR DURESS STATION SHALL BE STAND ALONE TYPE COMPLETE WITH BEACON, LIGHT AND OVERHEAD CAMERA WHERE STATION DOES NOT FALL WITHIN SITE SURVEILLANCE COVERAGE MAPPING.
6. IN PERIMETER OR EXTERIOR SITE WHERE THE CABLES LENGTHS EXCEED THE 90M DISTANCE THE BELOW SOLUTIONS WILL BE CONSIDERED:
   A. DIAGONAL RUN OF OF IN SLAB CONDUIT TO MEET THE 90M CABLE DISTANCE OR;
   B. THE USE OF FIBER OPTIC CABLES WITH MEDIA CONVERTERS OR;
   C. ADDITION OF A 2M W X 3.5M L TELECOMMUNICATIONS CLOSET THAT CAN ACCOMODATE ONE (1) RACK
   D. FOR BANDWIDTH LIMITED DEVICES WITH <= 1GBPS CONNECTIVITY SUCH AS CCTV CAMERAS, EXTENDED REACH COPPER CABLES WILL BE USED

PROJECT

THE OTTAWA HOSPITAL NEW CAMPUS DEVELOPMENT - PHASE 4 MAIN HOSPITAL BUILDING

900 CARLING AVE. OTTAWA, ONTARIO

CLIENT

The Ottawa Hospital | L'Hôpital d'Ottawa

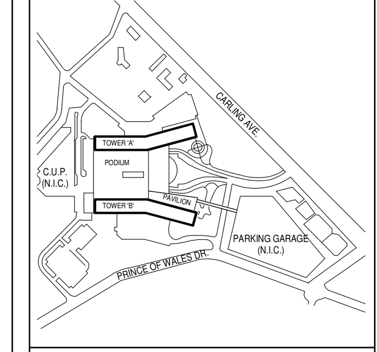
Infrastructure Ontario

PCL CONSTRUCTION | EllisDon

CLIENT PROJECT NO.
1070002

KEY PLAN

TRUE NORTH PROJECT NORTH



NO.	ISSUED	DATE
08	SITE PLAN CONTROL RESUBMISSION	2026-01-12
07	95% DD RE-SUBMISSION	2025-11-03
06	95% DD SUBMISSION	2025-09-19
05	SITE PLAN CONTROL RESUBMISSION	2025-06-05
04	65% DD SUBMISSION	2025-06-05
03	35% DD SUBMISSION	2025-01-28
02	ISSUED FOR ACPDR READINESS	2025-01-08
01	80% SD SUBMISSION	2024-08-15

REVISIONS

DRAWING STATUS

NOT FOR CONSTRUCTION

DISCREPANCIES MUST BE REPORTED IMMEDIATELY TO THE ARCHITECT BEFORE PROCEEDING.
ONLY FIGURED DIMENSIONS ARE TO BE USED. CONTRACTORS MUST CHECK ALL DIMENSIONS ON SITE. THIS DRAWING IS PROTECTED BY COPYRIGHT.

ALL DIMENSIONS ARE SHOWN IN METRIC.

AUTHOR

MULVEY & BANANI
90 Sheppard Avenue East, Suite 500, Toronto, ON M2N 3A1
416.751.2520 | MBII.COM

PROJECT TEAM

DESIGN-BUILDER	PCL/ED, A JOINT VENTURE
ARCHITECTURAL	PARKIN ARCHITECTS LIMITED JODOIN LAMARRE PRATTE ARCHITECTES ADAMSON ASSOCIATE ARCHITECTS bbb ARCHITECTS OTTAWA INC.
STRUCTURAL	STEPHENSON ENGINEERING LTD. BOUTHILLETTE PARIZEAU INC.
MECHANICAL	HH ANGUS & ASSOCIATES LTD. CROSSEY ENGINEERING LTD.
ELECTRICAL	MULVEY & BANANI INTERNATIONAL INC.
CIVIL	WSP CANADA INC.
LANDSCAPE	VERTECHS DESIGN INC. PWP LANDSCAPE ARCHITECTURE
BUILDING CODE	LMDG BUILDING CODE CONSULTANTS LTD.

AUTHOR PROJECT NO.
2233-00

STAMP | STAMP

DRAWING TITLE

ELECTRICAL, ICAT AND SECURITY SITE SERVICES PLAN

DRAWN | CHECKED

SCALE AT 40" x 65": 1 : 750 | DATE: 08/15/24

GRAPHIC SCALE: 0 10 15 30 45m — SCALE IN METERS

DRAWING NO. E1-101 | REV NO. 08