

GENERAL ELECTRICAL NOTES

1. LABEL ELECTRICAL CIRCUIT AND DEVICES WITH LAMACOID PLATES.
2. MINIMUM WIRE SIZE #12.

SPECIFIC ELECTRICAL NOTES

- 1 MANITOBA HYDRO SERVICE POINT. (MB HYDRO TO PROVIDE SERVICE CONDUCTORS TO PANEL)
- 2 PROVIDE NEW PANEL A TO BE LOCATED WITHIN SIGN. COORDINATE WITH SIGNAGE SUPPLIER.
- 3 BURIED RWU-90 CU AND GROUND IN A RIGID PVC CONDUIT. PROVIDE TRENCHING, BACKFILLING AND SURFACE REPAIR AS REQUIRED. PUSH BELOW SURFACE WHERE PRACTICAL.
- 4 PROVIDE PHOTOCELL CONTROL OF CIRCUIT A3
- 5 RECEPTACLE TO BE MOUNTED ON LUMINAIRE POLE (TYPICAL OF 4). MOUNTED 600mm AFG.
- 6 SUPPLY AND INSTALL CONDUIT TO EACH CANOPY BASE PILLAR FOR FUTURE ELECTRICAL. CONFIRM LOCATION ON SITE WITH CONTRACT ADMINISTRATOR. RUN 2-1" CONDUITS FROM PANEL TO FIRST PILLAR AND BETWEEN EACH SET OF PILLARS.
- 7 DISCONNECT EXISTING OVERHEAD SERVICE TO SIGNAGE BEING REMOVED. COORDINATE WITH MB HYDRO.

SYMBOL SCHEDULE

- WP WEATHER-PROOF GROUND FAULT GF DUPLEX RECEPTACLE.
- SINGLE HEAD POST LIGHT C/W CROSS ARM AND 15' POLE. CONCRETE BASE BY G.C. LUMINAIRE TO BE ASL-TLRC15-49LED-700MA-30K-R2-120-GCF-SF-DNA. POLE TO BE VALMONT 15' DECAGONAL STEEL STREET LIGHT POLE, 5" DIAMETER, GALVANIZED.
- A CUSTOM SIGN KIOSK CONNECTION POINT. PROVIDE POWER WIRING AS REQUIRED
- B FLOOD LIGHT MOUNTED ON CONCRETE PAD (PAD BY G.C.) WITH PROTECTIVE GALVANIZED STEEL CAGE BOLTED TO CONCRETE BASE. LITHONIA TFM 150W RG 120 SCWA YK FV DNA C/W 1-150W CMH LAMP

PANEL 'A'
MOUNTING: IN KIOSK

VOLTS: 120/240V/1Ø/3W
MAIN BUS: 200A
REMARKS: C/W GROUNDING AS PER CEC

DESCRIPTION	BKR	CIRCUIT	BKR	DESCRIPTION
KIOSK - POWER	15	1	2	KIOSK - WIRELESS DATA
SITE LIGHTING	15	3	4	FLOOD LIGHTING
RECEPTACLE	15	5	6	15 RECEPTACLE
RECEPTACLE	15	7	8	15 RECEPTACLE
SPARE	15	9	10	15 SPARE
SPARE	15	11	12	15 SPARE
FUTURE	50	13	14	SPACE
FUTURE	50	15	16	SPACE
FUTURE	50	17	18	SPACE
SPACE	-	19	20	SPACE
SPACE	-	21	22	SPACE
SPACE	-	23	24	SPACE

FEEDERS (3-3/0 RW-90 IN 1.5" CONDUIT)

UTILITY METER

200A-2P MAIN BREAKER (INTEGRAL)

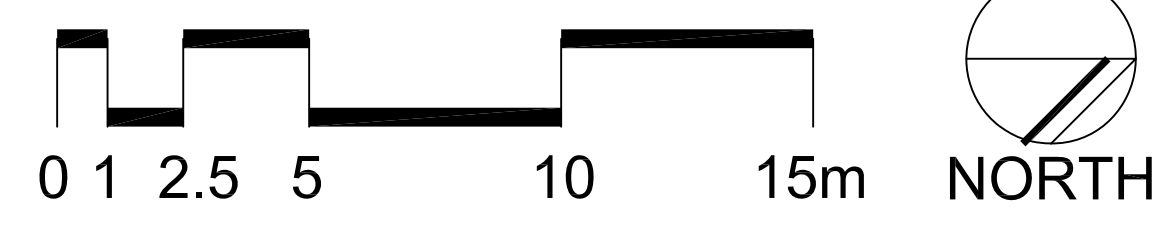
PANEL 'A'

NOTE: PANEL TO BE W.P., LOCKABLE, MANCO OR APPROVED EQUAL

NOVA 3 NOVA 3 ENGINEERING LTD. CONSULTING ENGINEERS

201-120 FORT STREET TEL.: (204) 943-6142
WINNIPEG, MANITOBA FAX.: (204) 942-1276
R3C 1C7

THIS DRAWING IS THE EXCLUSIVE PROPERTY OF NOVA 3 ENGINEERING LTD. AND MAY ONLY BE REPRODUCED WITH THE WRITTEN PERMISSION OF NOVA 3 ENGINEERING LTD. THE CONCEPT AND DESIGN INCORPORATED INTO THIS DRAWING ARE BASED ON INFORMATION PROVIDED BY THE CLIENT AND OTHER RELATED SOURCES. PROFESSIONAL ENGINEER ACCEPTS NO RESPONSIBILITY FOR DRAWING AND DESIGN UNLESS DRAWING IS ACCOMPANIED BY ORIGINAL SEALED AND SIGNED LETTER OF INTENT AND CERTIFICATE OF INSPECTION.



GENERAL NOTES

1. ALL DIMENSIONS SHOWN IN METRIC UNITS. NUMBERS WITH DECIMALS INDICATE METERS. WHOLE NUMBERS INDICATE MILLIMETERS.
2. ALL UTILITIES ARE SHOWN AS INFORMATION ONLY. CONTRACTOR TO CONFIRM LOCATION OF ALL UTILITIES ON SITE PRIOR TO CONSTRUCTION.
3. CONTRACTOR TO PROTECT ALL TREES, POLES, AREAWAYS ETC. TO REMAIN TO CITY OF WINNIPEG STANDARDS.
4. MIN. CLEARANCE OF 1.0m TO BE PROVIDED BETWEEN THE UNDERSIDE OF ANY EX. WATERMAIN OR SEWERMAIN PIPE AND THE TOP OF THE PROPOSED WORK OR MIN. 0.5m TO BE PROVIDED BETWEEN THE UNDERSIDE OF THE PROPOSED WORK AND THE TOP OF ANY EX. WATERMAIN OR SEWERMAIN PIPE.
5. MAINTAIN MIN. LATERAL CLEARANCE OF 1.0m BETWEEN THE NEAREST EDGE OF THE PROPOSED WORK AND THE NEAREST EDGE OF ANY EX. WATERMAIN OR SEWERMAIN. PREFERRED 2.0m MIN. LATERAL CLEARANCE.

ELECTRICAL SPECIFICATION

1. Scope of Work - The contract shall include the furnishing of labour, new material, equipment and services necessary and reasonably implied and incidental to the complete installation of the electrical work shown on the plans and specifications. Supply and install all devices required for the complete approved system, operating to the complete satisfaction of the Contract Administrator.
2. Laws, Rules, Ordinances and Inspections - The entire electrical installation shall comply with the latest edition of the Canadian Electrical Code and with all provincial and municipal laws, rules and ordinances. Prepare and submit to the proper authorities all necessary permits and pay all permit fees.
3. Responsibility - The Contractor shall be responsible for any damage caused the City or their Contractors by improperly carrying out this contract.
4. Drawings - The Contractor shall carefully examine all drawings relating to the Work, to be certain that the Work under this Contract can be carried out and, prior to the submission of his/her Bid in accordance with B4, report at once to the Contract Administrator any defect, discrepancy, omission or interference affecting the Work of this section or the guarantee of same.
5. Identification - Install designatory lettering on all electrical equipment.
6. Guarantee - The Electrical Contractor shall guarantee the satisfactory operation of all work and apparatus included and installed under this section for a period of twelve (12) calendar months after the final acceptance of the complete building.
7. Existing Work - The Electrical Contractor shall take into account items which he/she is responsible for due to the changes and alterations to the existing site and allow for such items that may occur in his/her tendered price.
8. Minimum wire size #12 AWG all wiring to be copper.
9. All new distribution equipment is to be weather-proof, vandal-resistant.
10. Identify all existing underground plant and utilities. Repair any damage to existing underground plant and utilities caused during installation of electrical equipment wiring and bases.

1	ADDENDUM 1	26/05/14	AH
-	ISSUED FOR TENDER	16/05/14	DZ
Revised	Reasons	Date	By
28-03-14	1:150		
Designed By	Drawn By	Checked By	
DZ	AH	DZ	



CITY OF WINNIPEG
Project Title
PROVENCHEUR PARK UPGRADES

Sheet Title
PLAZA ELECTRICAL PLAN
Project No. 13-031 Drawing No. E1