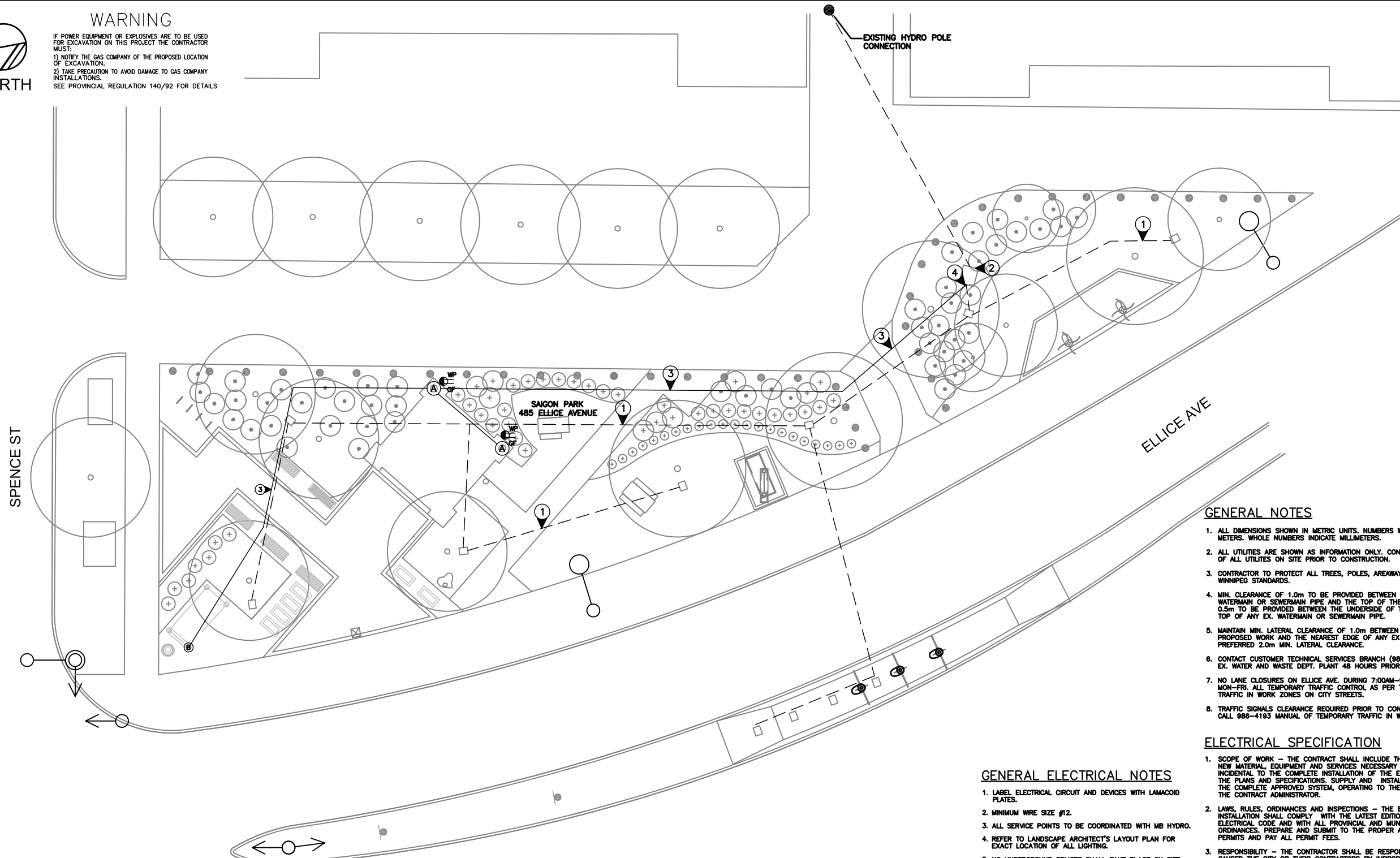




WARNING

IF POWER EQUIPMENT OR EXPLOSIVES ARE TO BE USED FOR EXCAVATION ON THIS PROJECT THE CONTRACTOR MUST:
 1) NOTIFY THE GAS COMPANY OF THE PROPOSED LOCATION OF EXCAVATION.
 2) TAKE PRECAUTION TO AVOID DAMAGE TO GAS COMPANY INSTALLATIONS.
 SEE PROVINCIAL REGULATION 140/92 FOR DETAILS

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

- ALL DIMENSIONS SHOWN IN METRIC UNITS. NUMBERS WITH DECIMALS INDICATE METERS. WHOLE NUMBERS INDICATE MILLIMETERS.
- ALL UTILITIES ARE SHOWN AS INFORMATION ONLY. CONTRACTOR TO CONFIRM LOCATION OF ALL UTILITIES ON SITE PRIOR TO CONSTRUCTION.
- CONTRACTOR TO PROTECT ALL TREES, POLES, AREAWAYS ETC. TO REMAIN TO CITY OF WINNIPEG STANDARDS.
- 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.
- 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.
- CONTACT CUSTOMER TECHNICAL SERVICES BRANCH (986-3322) FOR CLEARANCE OF EX. WATER AND WASTE DEPT. PLANT 48 HOURS PRIOR TO CONSTRUCTION.
- NO LANE CLOSURES ON ELLICE AVE. DURING 7:00AM-9:00AM, 3:30PM-5:30PM, MON-FRI. ALL TEMPORARY TRAFFIC CONTROL AS PER THE MANUAL OF TEMPORARY TRAFFIC IN WORK ZONES ON CITY STREETS.
- TRAFFIC SIGNALS CLEARANCE REQUIRED PRIOR TO CONSTRUCTION. CONTRACTOR TO CALL 986-4183 MANUAL OF TEMPORARY TRAFFIC IN WORK ZONES ON CITY STREETS.

ELECTRICAL SPECIFICATION

- SCOPE OF WORK - THE CONTRACTOR 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.
- 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.
- RESPONSIBILITY - THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE CAUSED THE CITY OR THEIR CONTRACTORS BY IMPROPERLY CARRYING OUT THIS CONTRACT.
- 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.
- IDENTIFICATION - INSTALL DESIGNATORY LETTERING ON ALL ELECTRICAL EQUIPMENT.
- 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.
- 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.
- MINIMUM WIRE SIZE #12 AWG RW90 ALL WIRING TO BE COPPER.
- ALL NEW DISTRIBUTION EQUIPMENT IS TO BE WEATHER-PROOF, VANDAL-RESISTANT.
- 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.
- PROVIDE CONCRETE BASES, TRENCHING, AND BACKFILLING.
- SLEEVE ALL CABLING THAT PASSES BELOW PATHWAYS IN RIGID PVC CONDUIT. CONDUIT TO EXTEND 250MM BEYOND EXTENT OF PATHWAY ON EACH SIDE.

GENERAL ELECTRICAL NOTES

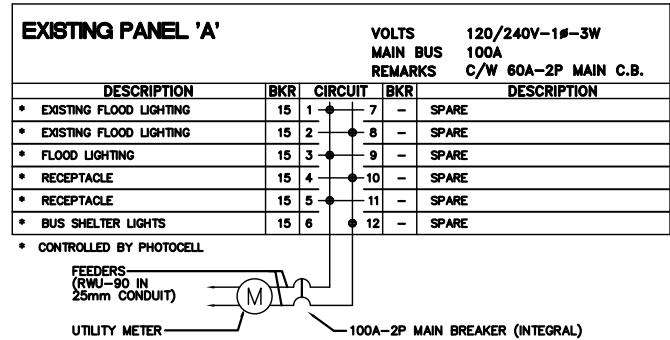
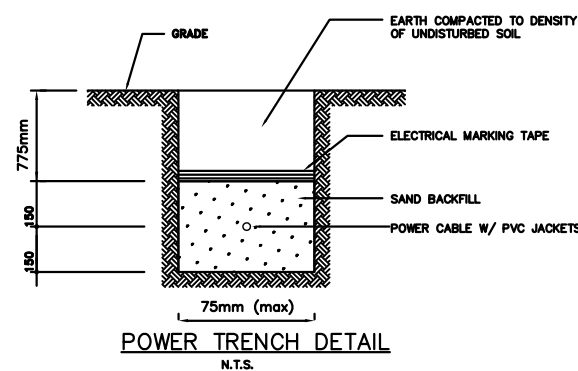
- LABEL ELECTRICAL CIRCUIT AND DEVICES WITH LAMACOID PLATES.
- MINIMUM WIRE SIZE #12.
- ALL SERVICE POINTS TO BE COORDINATED WITH MB HYDRO.
- REFER TO LANDSCAPE ARCHITECT'S LAYOUT PLAN FOR EXACT LOCATION OF ALL LIGHTING.
- NO UNDERGROUND SPLICES SHALL TAKE PLACE ON SITE

SPECIFIC ELECTRICAL NOTES

- EXISTING APPROXIMATE LOCATION OF TRENCHED CABLE TO LIGHTS.
- EXISTING CSTE/PANEL A
- TRENCH CABLE TO LIGHTS. TRENCH TO BE DUG, BACKFILLED AND SURFACE REPAIRED. SHRUBS TO BE REVIEWED AND REPLACED AS REQUIRED.
- CONNECT NEW CABLE TO EXISTING CSTE/PANEL A TO FEED NEW LIGHTING AND RECEPTACLES

SYMBOL SCHEDULE

- POLE MOUNTED FLOOD LIGHT WITH PROTECTIVE GALVANIZED STEEL CAGE BOLTED TO CONCRETE BASE. LITHONIA TFM 150M RG 120 SCWA YK FV DNA C/W 1-150W CMH LAMP
- WEATHER-PROOF GROUND FAULT DUPLEX RECEPTACLE, MOUNTED IN CAST FSE BOX AND D570G COVER ONTO CONCRETE GRADE BEAM
- BUS SHELTER FLUORESCENT LIGHTS IN MESSAGE BOARD.



No.	Revisions	Date	By
15/08/13	1:250		

Designed By: AH, Drawn By: AH, Checked By: DZ



WEST END BIZ
 Project Title: SAIGON PARK UPGRADES
 Drawing No. E1
 Sheet Title: ELECTRICAL PLAN
 Project No. 09-006a