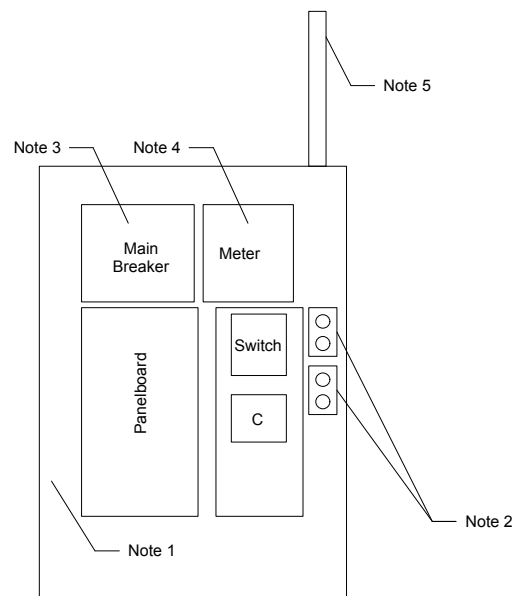


Hot Dipped Galvanized Metal Screw-in Base

n.t.s.

DETAIL 1



NOTES:

1. THE CONTRACTOR SHALL PROVIDE NEMA 3R LOCKABLE ENCLOSURE FPR DISTRIBUTION COMPONENTS, ALL BREAKERS, CONTACTOR, AND SWITCH TO BE LABELED AS TO THEIR FUNCTION.
2. THE CONTRACTOR SHALL PROVIDE TWO (2) WEATHERPROOF RECEPTACLES ON A DEDICATED CIRCUIT. RECEPTACLES TO BE DUPLEX "U" GROUND TYPE, RATED 15A, 125V, SPECIFICATION GRADE 5262, HUBBELL, P&S M ARROWHART. COVER PLATES TO BE GASKETED, WEATHERPROOF CAST, P&S CA8-GV.
3. MAIN BREAKER TO BE LOCKABLE IN "OFF" POSITION.
4. PROVIDE 100A METER SOCKET FOR UTILITY METERING.
5. PROVIDE 1.2 METER LENGTH OF 41MM RIGID STEEL CONDUIT AND ATTACH TO ENCLOSURE. INSTALL PHOTOCELL AT TOP OF CONDUIT COMPLETE WITH WIRE GUARD.

Distribution Enclosure Layout

n.t.s.

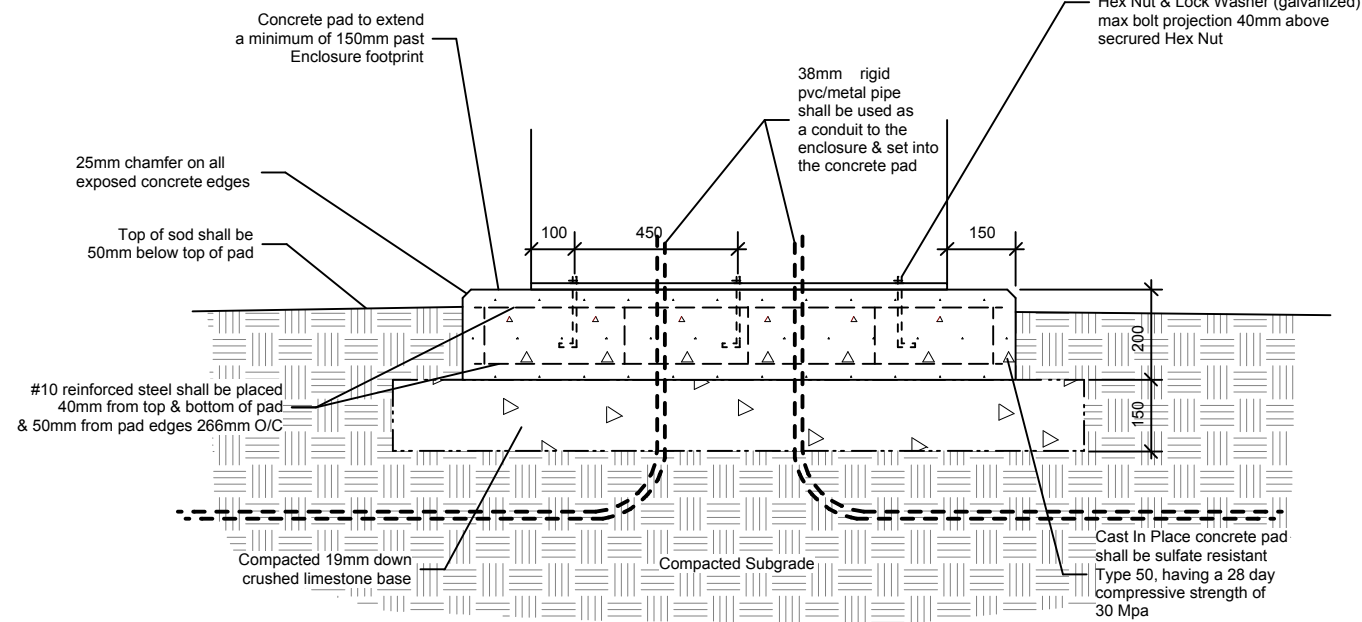
DETAIL 3

WARNING:

IF POWER EQUIPMENT IS TO BE USED FOR EXCAVATION ON THIS PROJECT, THE CONTRACTOR MUST:

1. NOTIFY MANITOBA HYDRO OF THE PROPOSED LOCATION OF EXCAVATION.
2. TAKE PRECAUTION TO AVOID DAMAGE TO COMPANY INSTALLATIONS.

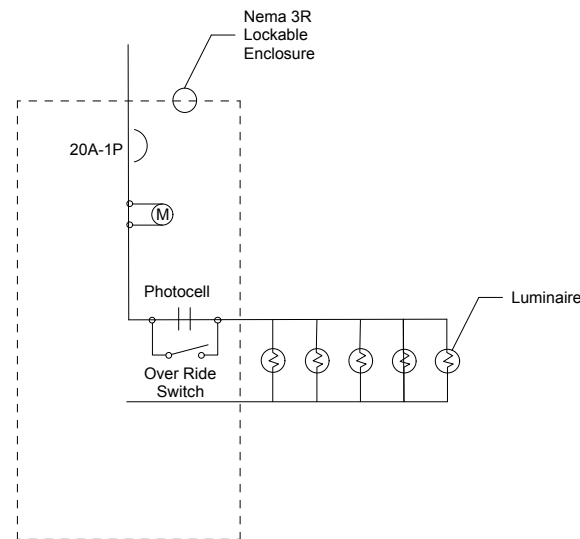
SEE PROVINCIAL REGULATION 210/72 FOR DETAILS



Distribution Pad Detail

n.t.s.

DETAIL 2



Single Line Diagram

n.t.s.

DETAIL 4

GENERAL

1. THE ELECTRICAL SYSTEM SHALL COMPLY WITH THE REQUIREMENTS OF THE LATEST EDITION OF THE CANADIAN ELECTRICAL CODE (CEC) AND WITH ALL PROVINCIAL AND MUNICIPAL LAWS, RULES AND ORDINANCES.
2. THE CONTRACTOR SHALL PROVIDE ALL MATERIALS, LABOUR AND EQUIPMENT NECESSARY FOR INSTALLING, TESTING AND PLACING IN INITIAL OPERATION THE COMPLETE ELECTRICAL SYSTEM.
3. EXAMINE ALL PLANS AND SPECIFICATIONS PERTAINING TO THIS CONTRACT. NOTIFY CONTRACT ADMINISTRATOR OF ERRORS OR OMISSIONS BEFORE SUBMITTING THE PRICE. FAILING SUCH NOTIFICATION, THIS CONTRACTOR SHALL MEET ALL SUCH REQUIREMENTS WITHOUT EXTRA COST TO THE CITY.
4. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS, PAY ALL NECESSARY FEES AND GIVE ALL NECESSARY NOTICES.
6. ALL EQUIPMENT SUPPLIED UNDER THIS CONTRACT SHALL BE NEW AND SHALL BE CSA AND LOCALLY APPROVED.
7. ALL WORK SHALL BE LAID OUT IN ITS MECHANICAL APPEARANCE. IT SHALL BE LOGICALLY ARRANGED FOR SIMPLICITY OF ACCESSIBILITY AND ELECTRICAL EFFICIENCY.
8. THE CONTRACTOR SHALL PROVIDE LAMACOID NAMEPLATES FOR ALL ELECTRICAL DISTRIBUTION EQUIPMENT/DEVICES AND SHALL MOUNT THE NAMEPLATES ON ALL EQUIPMENT TO INDICATE FUNCTION, VOLTAGE AND POWER OF DEVICES.
9. THIS SPECIFICATION IS NOT INTENDED TO RESTATE THE APPLICABLE CODES. THE CONTRACTOR WILL BE RESPONSIBLE FOR PROVIDING ALL GROUNDING, ETC. AND FOLLOWING ALL WIRING METHODS.
10. THE CONTRACTOR SHALL EXAMINE THE CONDITIONS OF THE SITE AND SHALL BE RESPONSIBLE FOR ALL EQUIPMENT, MATERIAL, AND LABOUR NECESSARY FOR THE WORK REQUIRED FOR THIS PROJECT.
11. PRIOR TO SCHEDULING FINAL INSPECTION, THE CONTRACTOR SHALL ENSURE THAT ALL WORK IS COMPLETED AND IN PARTICULAR THAT OPERATION AND MAINTENANCE MANUALS ARE COMPLETED. ALL NAMEPLATES INSTALLED, VERIFICATION TESTS HAVE BEEN DONE AND CERTIFICATES HAVE BEEN RECEIVED THAT INDICATE WORK INSTALLED CONFORMS TO ALL REQUIREMENTS.
12. ALL TREES WITHIN THE CONSTRUCTION AREA MUST BE PROTECTED FOR THE DURATION OF THE CONSTRUCTION PERIOD IN ACCORDANCE WITH SECTION 3.19 (CW 1130 SITE REQUIREMENTS) CITY OF WINNIPEG STANDARD CONSTRUCTION SPECIFICATIONS.

DELIVERABLES

1. THE CONTRACTOR SHALL MAINTAIN ONE SET OF PLANS AT JOB SITE WHICH HE SHALL CLEARLY NOTE ALL CHANGES OR DEVIATIONS FROM THE CONTRACT DOCUMENT AS THE JOB PROGRESSES. THE CONTRACTOR SHALL SUBMIT THREE SETS OF AS-BUILT DRAWINGS TO THE CONTRACT ADMINISTRATOR ON COMPLETION OF THE JOB.

AIMING AND ACCEPTANCE TESTING

1. THE CONTRACTOR SHALL MEET THE CONTRACT ADMINISTRATOR ON SITE TO VERIFY/AIM LUMINAIRES AND TO MEASURE LIGHTING LEVELS ON COMPLETION OF THE WORK. NOTE THAT SITE VISIT WILL BE REQUIRED AFTER DARK.

TRENCHING

1. CONTRACTOR TO PROVIDE TRENCHING REQUIRED TO POWER ALL LUMINAIRES. DEPTH TO BE MINIMUM 450MM AS PER CODE. PROVIDE MINIMUM 6" SAND ABOVE AND BELOW WIRING. PROVIDE WEATHERPROOF PLANKING ABOVE SAND. MAINTAIN ACCURATE LOCATIONS OF TRENCHING FOR INCLUSION OF AS-BUILT DRAWINGS.
2. CONTRACTOR TO COORDINATE TRENCHING WITH CONTRACT ADMINISTRATOR. CONTRACTOR TO PROVIDE SOIL COMPACTION TO 95% STANDARD PROCTOR DENSITY. RE-DOD AS REQUIRED TO RETURN AREA TO ORIGINAL CONDITION.
3. THE CONTRACTOR SHALL INFORM THE CA AT LEAST FIVE (5) DAYS IN ADVANCE OF INSTALLING THE BASES TO ALLOW THE CA TO VERIFY LOCATIONS AND WITNESS PROCESSES. THE CONTRACTOR TO ALSO INFORM THE CA AT LEAST FIVE (5) DAYS IN ADVANCE OF THE TRENCHING TO ALLOW THE CA TO WITNESS THE PROCESS.

NOTES

1. EXACT LOCATIONS OF LIGHTS AND DISTRIBUTION PANEL TO BE APPROVED BY THE CA, NADIA SELBY @ 204-986-6548, PRIOR TO INSTALLATION.
2. WHERE NUMBERS INDICATE MILLIMETERS, DECIMALIZED NUMBERS INDICATE METERS.
3. WIRING TO BE RWU90, MINIMUM #12 AWG, RUN IN 50MM LOW DENSITY POLYETHELENE CONDUIT OUTDOORS, ALL PVC CONNECTIONS TO BE WATERTIGHT COMPLETE WITH FS BOXES. NO UNDERGROUND SPLICES WILL BE PERMITTED.
4. THE CONTRACTOR TO COORDINATE ALL LOCKS WITH THE PARKS & OPEN SPACE DIVISION ELECTRICIAN AND PROVIDE THREE (3) SETS OF KEYS FOR THE LOCKABLE DEVICES.

CONTRACTOR TO CONFIRM ALL DIMENSIONS AND REPORT ANY DISCREPANCIES TO CONTRACT ADMINISTRATOR PRIOR TO CONSTRUCTION. LOCATION OF UNDERGROUND STRUCTURES AS SHOWN ARE BASED ON THE BEST INFORMATION AVAILABLE BUT NO GUARANTEE IS GIVEN THAT ALL EXISTING UTILITIES ARE SHOWN OR THAT THE GIVEN LOCATIONS ARE EXACT. CONFIRMATION OF EXISTENCE AND EXACT LOCATION OF ALL SERVICES MUST BE OBTAINED FROM THE INDIVIDUAL UTILITIES BEFORE PROCEEDING WITH CONSTRUCTION.



THE CITY OF WINNIPEG
 Planning, Property and Development Department
 Planning and Land Use Division
 Unit 15 - 30 Fort Street, Winnipeg, MB, (R3C 4X5)

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|--------------|---------------|-------------|----|
| DESIGNED BY | NS | CHECKED BY | RZ |
| DRAWN BY | NS | APPROVED BY | RZ |
| HORIZ. SCALE | NTS | | |
| VERT. SCALE | | | |
| DATE | December 2015 | | |

| | |
|--|------|
| MANAGER, PARK AND OPEN SPACES | DATE |
| MANAGER, PLANNING AND LAND USE DIVISION | DATE |

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| DRAWING TITLE ENDERTON PARK PROPOSED DETAILS | DRAWING NO. E.12-F |
| SITE ADDRESS | BID OPPORTUNITY NO. 1057-2015 |