

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 BID PRICE. FAILING SUCH NOTIFICATION, THE CONTRACTOR SHALL MEET ALL SUCH REQUIREMENTS WITHOUT EXTRA COST TO THE CITY OF WINNIPEG.
4. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS, PAY ALL NECESSARY FEES AND GIVE ALL NECESSARY NOTICES.
5. ALL EQUIPMENT SUPPLIED UNDER THIS CONTRACT SHALL BE NEW AND SHALL BE CSA AND LOCALLY APPROVED.
6. ALL WORK SHALL BE LAID OUT AND BE LOGICALLY ARRANGED FOR SIMPLICITY OF ACCESSIBILITY AND ELECTRICAL EFFICIENCY.
7. THE CONTRACTOR SHALL PROVIDE LAMACOID NAMEPLATES FOR ALL ELECTRICAL DISTRIBUTION EQUIPMENT/DEVICES AND SHALL MOUNT THE NAME PLATES ON ALL EQUIPMENT TO INDICATE FUNCTION, VOLTAGE AND POWER OF DEVICES.
8. 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.
9. 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.
10. 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.
11. ALL TREES WITHIN THE CONSTRUCTION AREA MUST BE PROTECTED FOR THE DURATION OF THE CONSTRUCTION PERIOD IN ACCORDANCE WITH SECTION E5 OF THE TENDER SPECIFICATIONS.

CONSTRUCTION:

1. LIGHTS MARKED **L 01** AND **L 02** ARE FOR FLOOD LIGHT STRUCTURES THAT ARE TO BE REMOVED, REFURBISHED AND REPLACED BY OTHERS.
2. LIGHT MARKED **L 03** IS AN EXISTING LIGHT STANDARD AND LUMINAIRE THAT SHALL BE REMOVED AND SALVAGED. ONE NEW 3.65M HIGH POLE, DECORATIVE POLE BASE COVER AND 347V LUMINAIRE IS TO BE INSTALLED ON THE EXISTING CONCRETE BASE. NEW 347V UNDERGROUND WIRING SHALL BE INSTALLED FROM **L 03** ALONG THE EAST SIDE OF THE PATHWAY TO **L 02** AND FED UP THE EXISTING CONDUIT TO THE EXISTING FLOODLIGHT LOCATION.
3. LIGHTS MARKED **L 04** AND **L 05** WILL BE REMOVED, REFURBISHED AND THE POLES AND DECORATIVE POLE BASE COVERS WILL BE REINSTALLED BY OTHERS. THE CONTRACTOR SHALL INSTALL 2 NEW LUMINAIRES ON THE TOP OF THESE REFURBISHED POLES.
4. LIGHTS **L 06 - L 10** AND **L 13 - L 16** ARE EXISTING LIGHT STANDARDS AND LUMINAIRES THAT SHALL BE REMOVED AND SALVAGED. NEW 3.65M HIGH POLES, DECORATIVE BASE COVERS AND 347V LUMINAIRES SHALL BE INSTALLED ON EXISTING CONCRETE BASES.
5. LIGHTS **L 11** AND **L 12** ARE EXISTING LIGHT STANDARDS AND LUMINAIRES THAT SHALL BE REMOVED AND SALVAGED. NEW 2.4M HIGH POLES, DECORATIVE BASE COVERS AND 347V LUMINAIRES SHALL BE INSTALLED ON EXISTING CONCRETE PILLARS.
6. **L 17** IS THE LOCATION FOR A NEW GALVANIZED SCREW-IN BASE WITH A NEW 3.65M HIGH POLE, DECORATIVE BASE COVER AND 347V LUMINAIRE MOUNTED TO IT. NEW UNDERGROUND WIRING TO **L 17** WILL COME FROM **L 16**.
7. **L 18 - L 25** ARE EXISTING PILE CAPS FOR THE 8 NEW BOLLARD LIGHTS. THE CONTRACTOR SHALL CUT AWAY ALL EXISTING ANCHOR BOLTS AND SECURE NEW BOLLARD LIGHTS BY DRILLING INTO THE PILE CAPS AND INSTALLING NEW EPOXY COATED ANCHOR BOLTS.
8. **L 26** IS AN EXISTING CONCRETE PILE. THE CONTRACTOR SHALL REMOVE THE EXISTING PROTECTIVE COVER AND INSTALL A NEW 3.65M HIGH POLE, DECORATIVE BASE COVER AND 120V LUMINAIRE ON TO THE EXISTING CONCRETE BASE.
9. NEW 120V UNDERGROUND WIRING TO **L18 - L26** SHALL BE INSTALLED BY THE CONTRACTOR FROM THE DISTRIBUTION PANEL. A NEW CONTRACTOR FOR THE NEW CIRCUIT WILL BE REQUIRED IN THE DISTRIBUTION PANEL AS WELL.

DELIVERABLES:

THE CONTRACTOR SHALL MAINTAIN ONE SET OF PLANS AT THE JOB SITE WHICH 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.

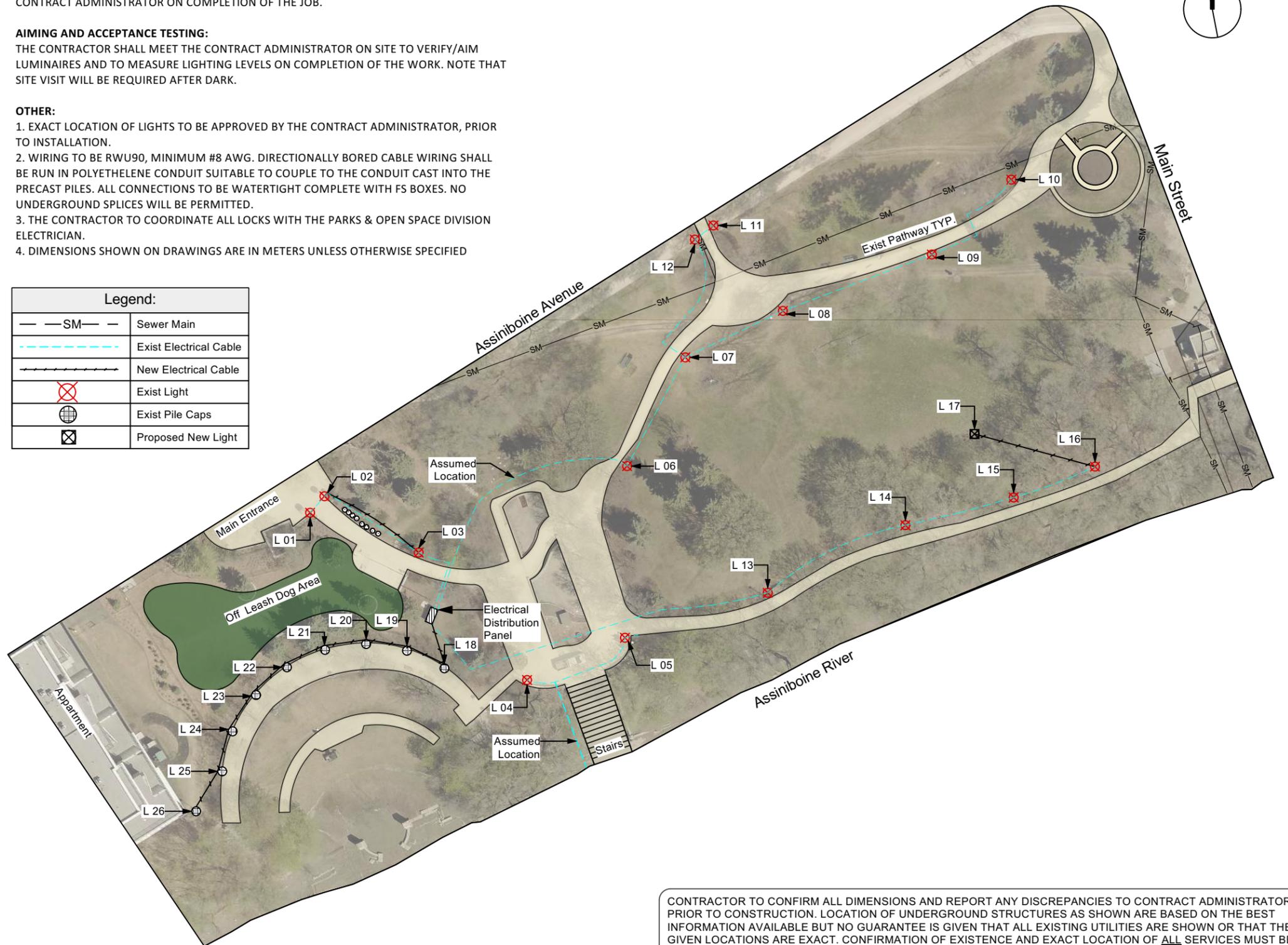
AIMING AND ACCEPTANCE TESTING:

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.

OTHER:

1. EXACT LOCATION OF LIGHTS TO BE APPROVED BY THE CONTRACT ADMINISTRATOR, PRIOR TO INSTALLATION.
2. WIRING TO BE RWU90, MINIMUM #8 AWG. DIRECTIONALLY BORED CABLE WIRING SHALL BE RUN IN POLYETHELENE CONDUIT SUITABLE TO COUPLE TO THE CONDUIT CAST INTO THE PRECAST PILES. ALL CONNECTIONS TO BE WATERTIGHT COMPLETE WITH FS BOXES. NO UNDERGROUND SPLICES WILL BE PERMITTED.
3. THE CONTRACTOR TO COORDINATE ALL LOCKS WITH THE PARKS & OPEN SPACE DIVISION ELECTRICIAN.
4. DIMENSIONS SHOWN ON DRAWINGS ARE IN METERS UNLESS OTHERWISE SPECIFIED

Legend:	
— SM —	Sewer Main
---	Exist Electrical Cable
---	New Electrical Cable
⊗	Exist Light
⊕	Exist Pile Caps
⊗	Proposed New Light



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.

<p>THE CITY OF WINNIPEG Planning, Property and Development Department Planning and Land Use Division Unit 15 - 30 Fort Street, Winnipeg, MB, (R3C 4X5)</p>	DESIGNED BY	RGZ	CHECKED BY	RGZ	MANAGER, PARK AND OPEN SPACES	DATE	DRAWING TITLE Bonnycastle Park Lighting Upgrades	DRAWING NO. B.2 - K
	DRAWN BY	GZ	APPROVED BY					
	HORIZ. SCALE	1:900			MANAGER, PLANNING AND LAND USE DIVISION	DATE	SITE ADDRESS 260 Assiniboine Avenue	BID OPPORTUNITY NO. 536 - 2021
	VERT. SCALE							
DATE		August 03, 2021						