



Looking East

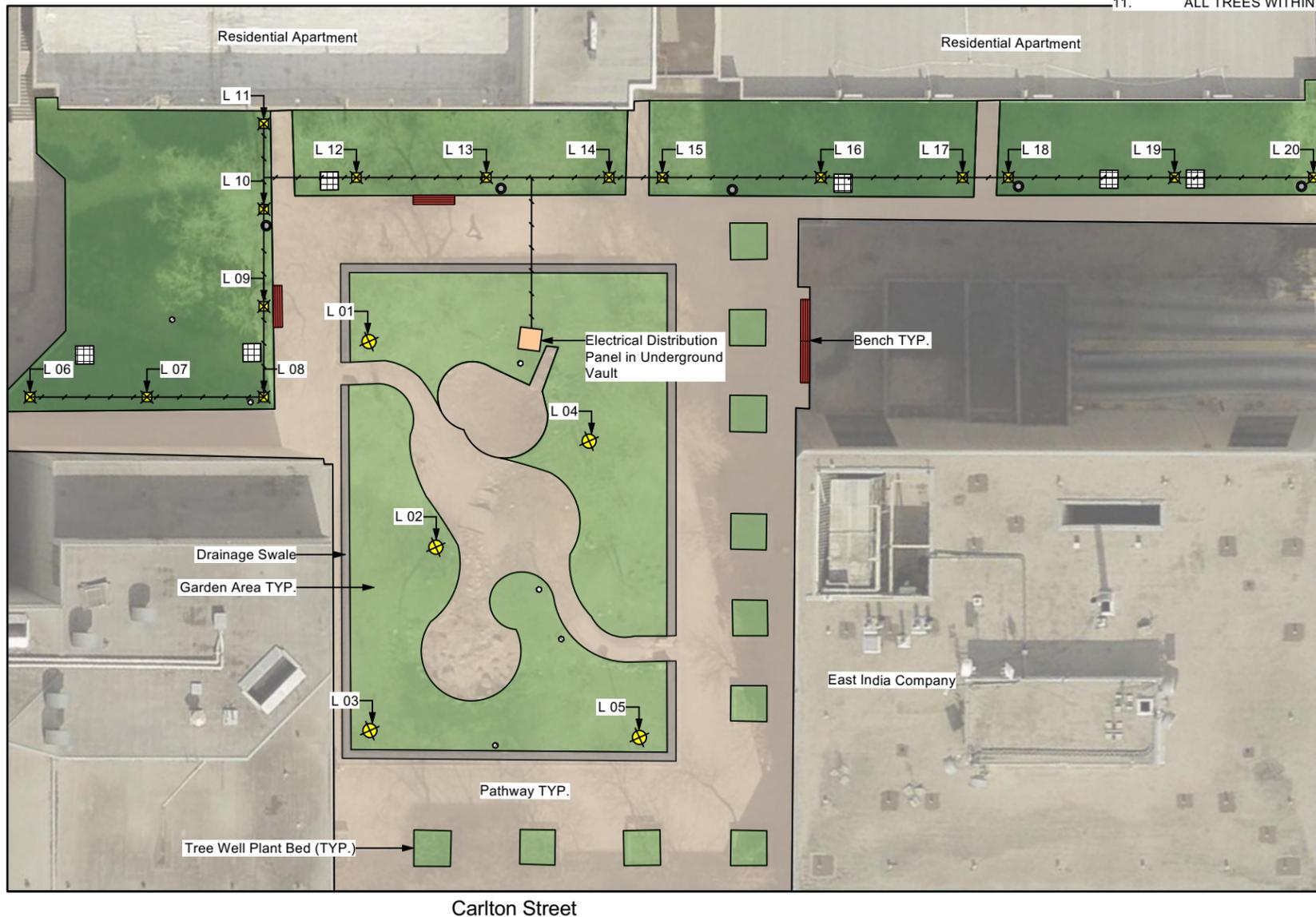


Looking NE From Carlton



Underground Vault

- 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.

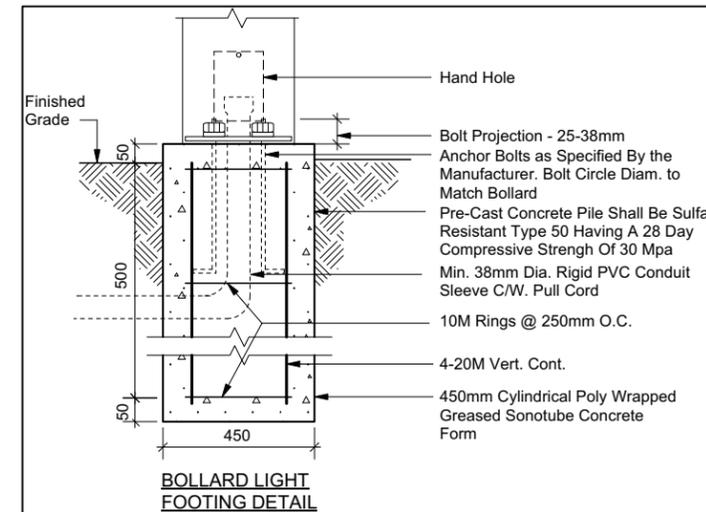


- CONSTRUCTION**
1. LIGHTS MARKED L 01 - L05 ARE EXISTING LIGHT STANDARDS AND LUMINAIRES. LIGHT STANDARDS/POLES ARE TO REUSED. THE EXISTING LUMINAIRES SHALL BE REMOVED AND SALVAGED. FIVE NEW 120/240 VOLT LUMINAIRES ARE TO BE INSTALLED ON THE EXISTING POLES. EXISTING WIRING SHALL BE USED TO CONNECT THE NEW LIGHTS.
  2. NEW 120/240V SINGLE PHASE UNDERGROUND WIRING SHALL BE INSTALLED FROM THE EXISTING DISTRIBUTION PANEL IN THE UNDERGROUND VAULT TO THE L06 TO L20 LIGHT BOLLARDS AS SHOWN ON THE DRAWING.
  3. ALL EXISTING LOW-LEVEL LIGHTS AND PROTECTIVE CAGES SHOWN ON THE DRAWINGS SHALL BE REMOVED AND DISPOSED OF.
  4. L06 - L20 ARE THE LOCATIONS FOR NEW CONCRETE FOOTINGS AS PER BOLLARD LIGHT FOOTING DETAIL WITH NEW 120/240V SINGLE PHASE BOLLARD LIGHTS MOUNTED TO THEM.
  5. NEW CONTRACTOR(S) FOR THE NEW CIRCUIT(S) WILL BE REQUIRED IN THE DISTRIBUTION PANEL AS WELL. CONTRACTOR TO EVENLY DISTRIBUTE THE LOAD ON EACH CIRCUIT IN ACCORDANCE WITH THE CANADIAN ELECTRICAL CODE.

**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 BOLLARD 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 POLYETHYLENE CONDUIT SUITABLE TO COUPLE TO THE CONDUIT CAST INTO CONCRETE FOOTINGS. 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	
	Existing Post Top Lights
	Existing Low Level Lights
	Existing Irrigation
	Existing Waste Receptacle
	Proposed Bollard Lights
	Proposed Electrical Cable

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 <b>Japanese Gardens Lighting Upgrades Existing And Proposed Plan 343 York Avenue</b>	DRAWING NO. <b>J.3 B</b>
	DRAWN BY	GZ	APPROVED BY					
	HORIZ. SCALE	N.T.S			MANAGER, PLANNING AND LAND USE DIVISION	DATE	SITE ADDRESS 343 York Avenue	BID OPPORTUNITY NO. 700-2021
	VERT. SCALE							
DATE	September 28, 2021							