

NOTES :
 CONSTRUCTION STANDARDS
 TO BE CONSTRUCTED IN ACCORDANCE WITH MANITOBA HYDRO DISTRIBUTION AND SUBTRANSMISSION STANDARDS, LATEST REVISION. NO MAJOR CHANGE SHALL BE MADE WITHOUT APPROVAL OF THE DESIGN ENGINEER OR DELEGATE.
 SURVEYS TO STAKE OUT SURVEY MONUMENTS, IF IN THE VICINITY OF THE NEW CONSTRUCTION TO PREVENT DAMAGE OR LOSS.

| AUTHORITY | NOTIFIED | NOT RECD | OBTAINED |
|-------------------|------------|----------|------------|
| DISTRICT | 2019-02-20 | | 2019-03-18 |
| C.O.W MUNICIPAL | 2019-02-20 | | 2019-03-18 |
| M.T.S. | | X | |
| GAS | | X | |
| SHAW | | X | |
| EASEMENTS | | X | |
| COMMUNICATIONS | | X | |
| S.C.C. | | X | |
| DEPT. OF HIGHWAYS | | X | |

| CONTACT | NAME | PHONE NUMBER | E-MAIL ADDRESS |
|------------------------|-----------------|--------------|------------------------|
| DESIGN | IAN MCCALLUM | 204-470-3154 | imccallum@hydro.mb.ca |
| DESIGN ENGINEER | ERIC WICKSTROM | 204-770-2410 | ewickstrom@hydro.mb.ca |
| PROJECT MGMT | DARIN WACH | 204-360-3082 | dwach@hydro.mb.ca |
| ENERGY SERVICE ADVISOR | DARRYL STOCKI | 204-360-7715 | dstocki@hydro.mb.ca |
| UIG CONSTRUCTION | BILL AMMETER | 204-360-7019 | bammeter@hydro.mb.ca |
| O/H CONSTRUCTION | | | |
| HYDRO GAS | | | |
| CITY OF WINNIPEG | RYAN MUNRO | 204-986-5515 | rmunro@winnipeg.ca |
| S/L MAINTENANCE | TREVOR ANDERSON | 204-451-4229 | tanderson@hydro.mb.ca |
| DISTRICT ENG TECH | GEORGE WEDDALL | 204-360-7451 | gweddall@hydro.mb.ca |

| INSTALLED | | | |
|-----------|--------------|---------|-----------|
| Quantity | Fixture Type | Wattage | Pole Type |
| 2 | LED | 40 | EXCLUSIVE |
| 7 | LED | 60 | EXCLUSIVE |

| SALVAGE | | | |
|----------|--------------|---------|-----------|
| Quantity | Fixture Type | Wattage | Pole Type |
| 6 | LED | 60 | EXCLUSIVE |

| COLOR | DESCRIPTION |
|---------|---------------------------------------|
| MAGENTA | PROPOSED TRENCH |
| RED | PROPOSED OBJECT |
| PINK | OBJECT TO BE ABANDONED |
| GREEN | OBJECT TO BE SALVAGED |
| BLACK | EXISTING OBJECT |
| LL | 1 - #4 AL CN STREET LIGHTING CABLE |
| LL | 1 - 1/0 TRIP-EX STREET LIGHTING CABLE |

| HPS WATTAGE | EQUIVALENT LED WATTAGE | CATALOG NUMBER |
|-------------|------------------------|----------------|
| 100 | 73 | ERS10C3E1540 |
| 150 | 95 | ERS10C3E1740 |
| 250 | 138 | ERS20H3E1540 |
| 400 | 209 | ERS30N3E1540 |

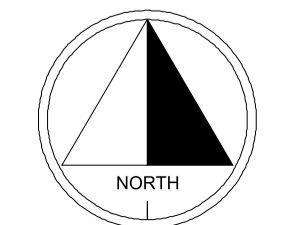
| LOCATION | LUMINAIRE | TYPE | MOUNTING HEIGHT | AVG. CD/2 | L/R. RATIO | U/R. RATIO | MAX. SPACING |
|-----------|-----------|------|-----------------|-----------|------------|------------|--------------|
| LANARK ST | 40W LED | II | 7.6m | 0.45 | 2.25 | 5.00 | 44 |

NOTE: INDICATION OF ALL UNDERGROUND UTILITIES IS FOR ILLUSTRATIVE PURPOSES ONLY. CONTACT THE APPLICABLE UTILITIES FOR SPECIFIC PLANT LOCATIONS AND CLEARANCES.

CONTACT "CLICK BEFORE YOU DIG MANITOBA" AT
ClickBeforeYouDigMB.com
THREE FULL WORKING DAYS
 PRIOR TO CONSTRUCTION FOR LOCATION OF EXISTING WATER, WASTEWATER, LAND DRAINAGE UTILITIES AND MANITOBA HYDRO UTILITIES

FOR CLEARANCE OF EXISTING WATER & WASTE DEPARTMENT PLANT CONTACT THE SURVEY & INSPECTION BRANCH 48 HOURS PRIOR TO CONSTRUCTION AT 986-3322

CITY BID PROJECT
19-R-04 LANARK ST



| NO. | DATE | REVISION | BY | CKD. | APP. |
|-----|------|----------|----|------|------|
| | | | | | |

| DRAWING NUMBER | REFERENCE DRAWINGS | DRAWN | CHECK |
|----------------|--|-------|-------|
| 6L-1165 | City of Winnipeg underground structures approval dwg | IM | |
| | | | |

| SCALE | DATE |
|-------|------------|
| 1:500 | 2019 02 19 |

| AREA NUMBER | MANITOBA HYDRO |
|-----------------------|---|
| 5202 | DISTRIBUTION PLANNING & DESIGN WO# P:31743 NETWORK # 4305737 |
| STATION NUMBER | CSC CITY CENTRE |
| FEEDER NUMBER | LANARK ST |
| | NEW ROADWAY LIGHTING BETWEEN CORYDON AVE AND JOHN BREBEUF PL. |
| SYSTEM VOLTAGE | 2.4/4.16KV |
| 1-04707-DC-50000-0463 | |