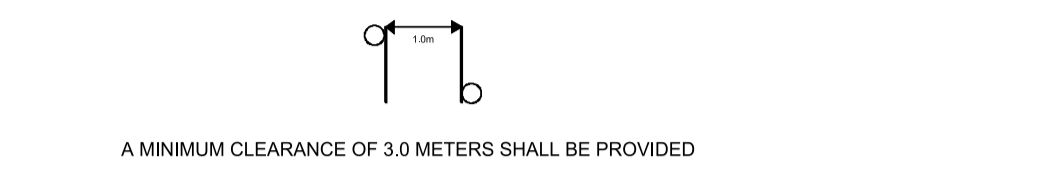


NOTES :
 CONSTRUCTION STANDARDS
 TO BE CONSTRUCTED IN ACCORDANCE WITH MANITOBA HYDRO DISTRIBUTION AND SUBTRANSMISSION STANDARDS. LATEST REVISION NO. MAJOR CHANGE SHALL BE MADE WITHOUT APPROVAL OF THE DESIGN ENGINEER OR DELEGATE.

CITY OF WINNIPEG REQUIREMENTS:
 WATER AND WASTE DEPARTMENT APPROVAL SUBJECT TO THE FOLLOWING NOTES:
 A MINIMUM CLEARANCE OF 100 MILLIMETERS SHALL BE PROVIDED BETWEEN THE UNDERSIDE OF ANY EXISTING WATERMAIN OR SEWERMAIN PIPE AND THE TOP OF THE PROPOSED WORKS OR
 A MINIMUM CLEARANCE OF 500 MILLIMETERS SHALL BE PROVIDED BETWEEN THE UNDERSIDE OF THE PROPOSED WORKS AND THE TOP OF ANY EXISTING WATERMAIN OR SEWERMAIN PIPE.
 A MINIMUM LATERAL CLEARANCE OF 1.0 METER SHALL BE PROVIDED BETWEEN THE NEAREST EDGE OF THE PROPOSED WORKS AND THE NEAREST EDGE OF ANY EXISTING WATERMAIN, WATERMAIN VALVE, HYDRANT, SEWERMAIN OR SEWER MANHOLE.



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

PROPOSED SEQUENCE OF CONSTRUCTION:
 - MH STAFF SHALL DISCONNECT AND ISOLATE THE EXISTING STREET LIGHT POLE OR POLES TO BE REPLACED.
 - CONTRACTOR TO INSTALL TEMPORARY OH FEEDS BETWEEN EXISTING POLES.
 - MH STAFF TO INSTALL FINAL DROP FROM EXISTING POLE TO SOURCE AND ENERGIZE.
 - CONTRACTOR TO INSTALL NEW POLES, UNDERGROUND STREET LIGHT CABLE BETWEEN POLES, GROUND RODS, RELAYS, AND BOTTOM SECTION OF CABLE GUARD AT TOP IF APPLICABLE AND TERMINATE IN MANHOLE.
 - MH STAFF TO DISCONNECT AND ISOLATE TEMPORARY OH FEED TO EXISTING POLES, AS WELL AS COMMISSION AND ENERGIZE NEW POLES FROM NEW UNDERGROUND SOURCE.
 - CONTRACTOR TO REMOVE OH FEEDS AND REMOVE EXISTING POLES.

| CONTACT | NAME | PHONE |
|-------------------------|----------------|----------|
| DESIGN | MIKE PARTIYKA | 360-4475 |
| DISTRICT ENG TECH | ROB DENSKA | 235-4355 |
| ENERGY SERVICES ADVISOR | TERRY MCCARTHY | 360-4127 |
| LIG CONSTRUCTION | JAYSON WITT | 803-1165 |
| OH CONSTRUCTION | WAYNE IRELAND | 360-5786 |
| CUSTOMER CONTRACT | RIK PHILLIPS | 360-7018 |
| CONNECTIONS | ALVARO SILVA | 360-6214 |
| TEMP. STRINGING | TERRY TABAK | 360-7521 |

| LEGEND | DESCRIPTION |
|---------------|---------------------------------------|
| MAGENTA | PROPOSED TRENCH |
| RED | PROPOSED OBJECT |
| PINK | OBJECT TO BE ABANDONED |
| GREEN | OBJECT TO BE SALVAGED |
| BLACK | EXISTING OBJECT |
| LA ANNOTATION | 1 - #4 AL CN STREET LIGHTING CABLE |
| LL ANNOTATION | 1 - 1/0 TRIPLEX STREET LIGHTING CABLE |

PRELIMINARY NOT TO BE USED FOR CONSTRUCTION

COW TENDER 2014-R-07

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

INFORMATION PERTAINING TO THE SIZE AND LOCATION OF MANITOBA HYDRO FACILITIES AND INSTALLATIONS IS ILLUSTRATIVE AND SHOULD NOT BE RELIED ON FOR THE PURPOSES OF ANY ACTIVITY BEING CONDUCTED AT OR NEAR THE IDENTIFIED HYDRO INSTALLATIONS. ALL LOCATIONS AND EQUIPMENT MUST BE VERIFIED BY APPROPRIATE HYDRO DISTRICT OFFICES PRIOR TO ANY PHYSICAL ACTIVITY UNDERTAKEN AT OR NEAR HYDRO INSTALLATIONS. A CURRENT WORK CLEARANCE REQUEST FORM CAN BE OBTAINED FROM THE DISTRICT OFFICE AND MUST BE ON SITE PRIOR TO THE COMMENCEMENT OF ANY EXCAVATIONS.

CALL BEFORE YOU DIG!!

| DATE | REVISIONS | BY | CHKD. | APP. |
|------------|-----------|----|-------|------|
| 2014/04/08 | | | | |

| DRAWING NUMBER | REFERENCE DRAWINGS |
|-----------------------|---------------------|
| 1-04707-DD-50000-0193 | MULVEY ROAD RENEWAL |
| 1-04707-DD-50000-0194 | WALKER ROAD RENEWAL |
| 1-04707-DD-50000-0195 | SOUTH ROAD RENEWAL |

| ORIGINAL DRAWING SEALED BY | DATE | DRAWN | CHECK | SCALE |
|----------------------------|------------|-------|--------|-------|
| R. D. FOUGERE | 2014 04 11 | MP | R.D.F. | 1:750 |

| AREA NUMBER | MANITOBA HYDRO DISTRIBUTION PLANNING & DESIGN |
|----------------|-------------------------------------------------------------------|
| 5202 | WBS # P:22904 NETWORK # 4302336 |
| STATION NUMBER | DISTRICT: CITY CENTRE |
| 1515 | STREET LIGHTING PROJECT - OAK ST. FROM GRANT AVE. TO FLEET AVE. |
| FEEDER NUMBER | CONTRACTOR TO REPLACE EXISTING UNDERGROUND STREET LIGHTING PLANT. |
| 1507N16 | |
| SYSTEM VOLTAGE | |
| 2.4/16 KV | |