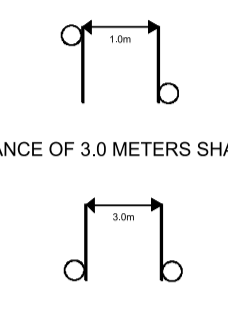


NOTES :
 CONSTRUCTION STANDARDS
 TO BE CONSTRUCTED IN ACCORDANCE WITH MANITOBA HYDRO DISTRIBUTION AND SUBTRANSMISSION STANDARDS. LATEST REVISION NO. MAJOR CHANGE SHALL BE MADE WITHOUT APPROVAL OF THE DESIGN ENGINEER OR DELEGATE.

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:
 -MHI STAFF SHALL DISCONNECT AND ISOLATE THE EXISTING STREET LIGHT POLE OR POLES TO BE REPLACED.
 -CONTRACTOR TO INSTALL TEMPORARY OH FEEDS BETWEEN EXISTING POLES.
 -MHI 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 HANDHOLE.
 -MHI 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 | NICK WIELER | 799-7642 |
| DISTRICT ENG TECH | ROSE MONKMAN | 360-5727 |
| ENERGY SERVICES ADVISOR | TERRY MCCARTHY | 360-4127 |
| LIG CONSTRUCTION | JAYSON WITT | 803-1165 |
| OH CONSTRUCTION | WAYNE IRELAND | 360-5786 |
| CUSTOMER CONTRACT | RICK PHILLIPS | 360-7018 |
| CONNECTIONS | ALVARO SILVA | 360-6214 |
| TEMP. STRINGING | TERRY TABAK | 360-7521 |

| LINE COLOR | 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 |

COW TENDER 2015-R-03

PRELIMINARY NOT TO BE USED FOR CONSTRUCTION

PLACE NEW DAVITS ALONG EXISTING ALIGNMENT 3m OUTSIDE OF PROPERTY LINE. COORDINATE FINAL DAVIT LOCATIONS WITH MANITOBA HYDRO.
 INSTALL APPROX 626m OF NEW #4 AL CN STREET LIGHTING CABLE & 532m OF NEW 2" CONDUIT ALONG EXISTING ALIGNMENT.

ALL S/L CABLE TO BE INSTALLED IN 2" (50mm) CONDUIT.

INSTALL NEW GROUND RODS AS PER CD 50-5.

CAUTION: SOFT DIG TO EXPOSE 1/0 PRIMARY CABLE IN TRENCH CROSSING. CONTACT DISTRICT AS SAFETY WATCHER MAY BE REQUIRED.

CAUTION: SOFT DIG TO EXPOSE GAS MAIN

INSTALL NEW #4 AL CN STREET LIGHT FEED OUT OF EXISTING PADMOUNT TRANSFORMER.

CAUTION: SOFT DIG TO EXPOSE 1/0 PRIMARY CABLE IN TRENCH CROSSING. CONTACT DISTRICT AS SAFETY WATCHER MAY BE REQUIRED.

CAUTION: SOFT DIG TO EXPOSE GAS MAIN

INSTALL NEW GROUND ROD AS PER CD 50-5.

CAUTION: SOFT DIG TO EXPOSE 1/0 PRIMARY CABLE IN TRENCH CROSSING. CONTACT DISTRICT AS SAFETY WATCHER MAY BE REQUIRED.

MANITOBA HYDRO TO INSTALL NEW 60A DAVIT MOUNTED RELAY AND CONNECT TO PHOTOCELL (AS PER CD 315-12 AND 315-13)

INSTALL NEW GROUND ROD AS PER CD 50-5.

MANITOBA HYDRO TO INSTALL NEW 60A DAVIT MOUNTED RELAY AND CONNECT TO PHOTOCELL (AS PER CD 315-12 AND 315-13)

PUSH APPROX 49m OF NEW #4 AL CN STREET LIGHTING CABLE AND 2" CONDUIT ALONG BACKLANE FROM PADMOUNT TRANSFORMER TO 3m ALIGNMENT.

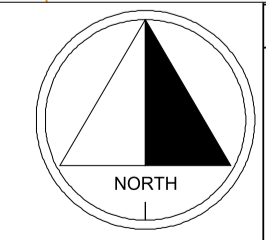
UPON LOCKOUT AND TAGOUT BY MANITOBA HYDRO, CONTRACTOR SHALL INSTALL TEMPORARY #4 DUPLEX OVERHEAD FEED IN ORDER TO MAINTAIN LIGHTING DURING CONSTRUCTION.

OBTAIN TEMPORARY FEED FROM EXISTING LUMINAIRE.

AT THE END OF CONSTRUCTION, TEMPORARY OVERHEAD CABLE SHALL BE DISCONNECTED BY MANITOBA HYDRO AND SALVAGED BY CONTRACTOR.

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. |
|------|-----------|----|-------|------|
| | | | | |

| | | |
|----------------|------------|--|
| AREA NUMBER | 4901 | MANITOBA HYDRO DISTRIBUTION PLANNING & DESIGN |
| STATION NUMBER | 1069 | WBS # P:24357 NETWORK # 4303018 |
| FEEDER NUMBER | CR363 | DISTRICT: FORT GARRY |
| | | 2015 STREET LIGHT RENEWAL PROJECTS |
| | | SWAN LAKE BAY BETWEEN CHANCELLOR DRIVE |
| | | CONTRACTOR TO REPLACE EXISTING UNDERGROUND STREET LIGHTING PLANT |
| DATE | 2015/04/14 | 1-04707-DD-50000-0255 |

B1 SIZE: 1000 X 707
FOR MICROFILM USE ONLY