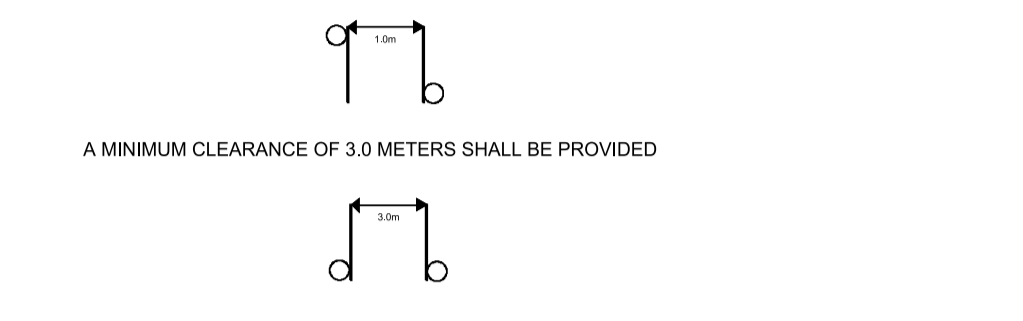


NOTES:
CONSTRUCTION STANDARDS
TO BE CONSTRUCTED IN ACCORDANCE WITH MANITOBA HYDRO DISTRIBUTION AND SUBTRANSMISSION STANDARDS. LATEST REVISION NO MAJOR CHANGE SHALL BE MADE WITHOUT APPROVAL OF THE DESIGN ENGINEER OR DELEGATE.

CITY OF WINNIPEG REQUIREMENTS:
WATER AND WASTE DEPARTMENT APPROVAL SUBJECT TO THE FOLLOWING NOTES:
A MINIMUM CLEARANCE OF 1000 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:
-M1 STAFF SHALL DISCONNECT AND ISOLATE THE EXISTING STREET LIGHT POLE OR POLES TO BE REPLACED.
-CONTRACTOR TO INSTALL TEMPORARY OH FEEDS BETWEEN EXISTING POLES.
-M1 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 DIP IF APPLICABLE AND TERMINATE IN HAND HOLE.
-M1 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	JILL SIFAR	360-7467
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

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-05
PRELIMINARY NOT TO BE USED FOR CONSTRUCTION

MANITOBA HYDRO TO BUILD NEW #4 AL CN DIP FOR STREET LIGHT FEED.
MANITOBA HYDRO TO INSTALL NEW 60A POLE MOUNTED RELAY AND PHOTOCELL W/ BYPASS SWITCH (AS PER CD 315-5 & CD 315-11)
CONTRACTOR SHALL INSTALL LOWER 3m OF CABLE GUARD (AS PER CD 315-5 & CD 200-63) AND COIL NEW CABLE FOR CONNECTION BY MANITOBA HYDRO.

PUSH APPROXIMATELY 17m OF NEW #4 AL CN UNDERGROUND STREET LIGHTING CABLE FROM DIP POLE TO LIMIT OF RECONSTRUCTION.

UPON LOCKOUT AND TAGOUT BY MANITOBA HYDRO, CONTRACTOR SHALL INSTALL TEMPORARY #4 DUPLEX OVERHEAD FEED IN ORDER TO MAINTAIN LIGHTING DURING CONSTRUCTION.
AT THE END OF CONSTRUCTION, TEMPORARY OVERHEAD CABLE SHALL BE DISCONNECTED BY MANITOBA HYDRO AND SALVAGED BY THE CONTRACTOR.

CAUTION: SOFT DIG TO EXPOSE GAS MAIN.

PLACE ALL NEW DAVITS 5.5m OUTSIDE OF PROPERTY LINE. COORDINATE FINAL DAVIT LOCATIONS WITH MANITOBA HYDRO.
INSTALL APPROX 238m OF NEW #4 AL CN STREET LIGHTING CABLE ALONG NEW 5.5m ALIGNMENT.

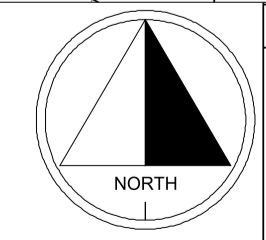
INSTALL NEW GROUND ROD AS PER CD 50-5.

OBTAIN TEMPORARY FEED FROM EXISTING LUMINAIRE.

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.
1-04707-DD-50000-0242	RAVENHILL ROAD RENEWAL			
1-04707-DD-50000-0243	REAY CR ROAD RENEWAL			
1-04707-DD-50000-0244	CHELSEA AVE ROAD RENEWAL			

DRAWING NUMBER	REFERENCE DRAWINGS	DRAWN	NTW
1-04707-DD-50000-0242	RAVENHILL ROAD RENEWAL		
1-04707-DD-50000-0243	REAY CR ROAD RENEWAL		
1-04707-DD-50000-0244	CHELSEA AVE ROAD RENEWAL		

DATE	SCALE	1:456
2015/01/20	1:456	

AREA NUMBER	MANITOBA HYDRO DISTRIBUTION PLANNING & DESIGN
5306	WBS # P:24446 NETWORK # 4302936
STATION NUMBER	DISTRICT: RIVER EAST
1012	2015 STREET LIGHT RENEWAL PROJECTS
FEEDER NUMBER	NEIL AVE FROM WATT ST TO ROCH ST
W125	CONTRACTOR TO REPLACE EXISTING UNDERGROUND STREET LIGHTING PLANT
SYSTEM VOLTAGE	2.4/4.16 KV