

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.

AUTHORITY	NOTIFIED	NOT REQ'D	OBTAINED
DISTRICT			
C.O.W./MUNICIPAL			
M.T.S.			
GAS			
SHAW			
EASEMENTS			
COMMUNICATIONS			
S.C.C.			
DEPT. OF HIGHWAYS			

CONTACT	NAME	PHONE NUMBER	E-MAIL ADDRESS
DESIGN	WILL HYDROCHUK	204-612-0560	WILL.HYDROCHUK@PRIMARHYDRO.COM
DESIGN ENGINEER	MONTY PECKOVER	204-781-5611	MONTY.PECKOVER@PRIMARHYDRO.COM
PORTFOLIO PM	DIANA NEWBURY	204-360-3252	DNEWBURY@HYDRO.MB.CA
ENERGY SERVICES			
U/G CONSTRUCTION	BRENT KROEGER	360-4275	BCKROEGER@HYDRO.MB.CA
CUSTOMER REP	RYAN AUBRY	204-325-3097	RAUBRY@HYDRO.MB.CA
DISTRICT ENG TECH	KELLY GROENING	204-479-0255	KGROENING@HYDRO.MB.CA

INSTALLED			
Quantity	Fixture Type	Wattage	Pole Type
4	LED	60	EXCLUSIVE
1	LED	60	SHARED
1	LED	40	SHARED
	LED		SHARED
	LED		SHARED

REMOVED			
Quantity	Fixture Type	Wattage	Pole Type
1	LED	90	EXCLUSIVE
3	LED	40	EXCLUSIVE
1	LED	40	SHARED
	HPS		EXCLUSIVE
	LED		SHARED

LED CONVERSION CHART		
HPS WATTAGE	EQUIVALENT LED WATTAGE	CATALOG NUMBER
100	73	ERS10C3E1540
150	95	ERS10C3E1740
250	138	ERS120H3E1540
400	209	ERS30N3E1540

"STREETLIGHT PLACEMENT FOLLOWS IES STANDARDS AND THEY ARE PLACED ACCORDINGLY USING DRIVEWAY LOCATIONS PROVIDED BY THE DEVELOPER. DRIVEWAY LOCATIONS THAT HAVE BEEN CHANGED AFTER THE DESIGN HAS BEEN SEALED RESULTING IN A CONFLICT BETWEEN STREETLIGHTS AND THE DRIVEWAY ARE THE RESPONSIBILITY OF THE DEVELOPER TO RECOVER THE COSTS ASSOCIATED WITH RELOCATING THE STREETLIGHTS."

BANNERS AND ASSOCIATED HARDWARE TO BE REMOVED AND RETURNED TO THE CITY OF WINNIPEG, 1277 PACIFIC AVENUE WITH AN ITEMIZED LIST AND QUANTITIES.

PROPOSED SEQUENCE OF CONSTRUCTION:

- MH STAFF SHALL DISCONNECT AND ISOLATE THE EXISTING STREET LIGHT 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 DIP (IF APPLICABLE) AND TERMINATE IN HAND HOLE.
- 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.

PRELIMINARY

INFORMATION PERTAINING TO THE SIZE, TYPE 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 BEING UNDERTAKEN AT OR NEAR HYDRO INSTALLATIONS.

MANITOBA HYDRO

DISTRIBUTION ENGINEERING

WO# P:41148 NETWORK # 4308861

CSC: ST BONIFACE
COW STREETLIGHT RENEWAL PROJECT
INSTALL LIGHTS ON CROMWELL ST
LYNDALE TO ST. MARY'S

INSTALL CABLES IN 2" CONDUIT

INSTALL NEW GROUND RODS AS PER CD50-5

UPON DISCONNECTION BY MANITOBA HYDRO THE CONTRACTOR SHALL INSTALL TEMPORARY #4PX OVERHEAD FEED IN ORDER TO MAINTAIN LIGHTING DURING CONSTRUCTION.
AT THE END OF CONSTRUCTION TEMPORARY OVERHEAD SHALL BE DISCONNECTED BY THE CONTRACTOR.

MANITOBA HYDRO SHALL CUT, CAP & ABANDON ORIGINAL FEED TO THE STREET LIGHTS PRIOR TO REMOVAL. ALL FINAL CONNECTIONS WILL BE COMPLETED BY MANITOBA HYDRO.

RECOMMENDED OH TEM. FEED.

RELOCATE STREETLIGHT ARM FROM ADJACENT SOUTHERN POLE.

REUSE EXISTING DAVIT. REPLACE 40W LUMINAIRE WITH 60W LUMINAIRE.

ABANDON SPLICE FROM OLD STREETLIGHT LOCATION TO EXISTING STREETLIGHT.

TERMINATE NEW #4 AL CN CABLE INTO EXISTING STREETLIGHT.

INSTALL NEW 40' CLASS 4 POLE.
TRANSFER SECONDARY CABLES TO NEW POLE.
INSTALL 2-60A RELAYS INCLUDING TWO #4 AL CN STREETLIGHT DIPS AS PER CD 315-5.
INSTALL APPROX. 71m OF #4 AL CN CABLE TO FEED THE LIGHTS WEST ON CROMWELL ST.
INSTALL APPROX. 135m OF #4 AL CN CABLE TO FEED THE LIGHTS EAST ON CROMWELL ST.

COW TENDER #: 25-R-06

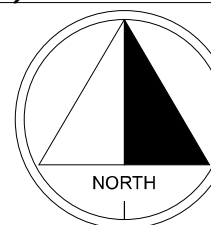


REEL NUMBER	MANUFACTURER	MANUFACTURE DATE

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



NO.	DATE	REVISION	BY	CHKD.	APP.
DRAWING NUMBER		REFERENCE DRAWINGS		DRAWN WH	
				CHECK	
				SCALE 1:500	
				DATE 2025 03 19	

AREA

5401

STATION NUMBER

N/A

FEEDER NUMBER

N/A

SYSTEM VOLTAGE

120/240V