

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.
 A MINIMUM CLEARANCE OF 600 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.
 A MINIMUM CLEARANCE OF 3.0 METERS SHALL BE PROVIDED

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

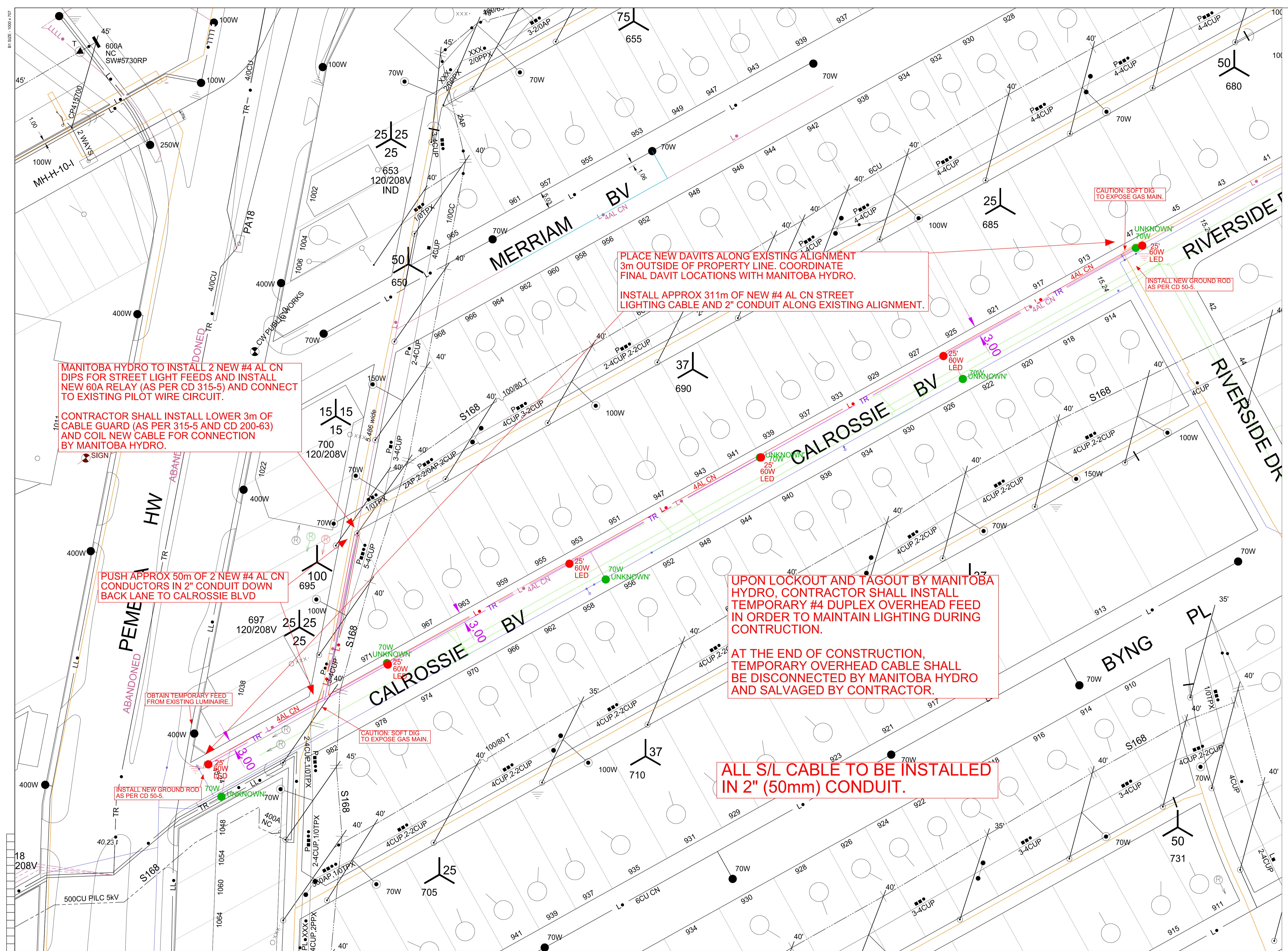
PROPOSED SEQUENCE OF CONSTRUCTION:
 -M/STAFF SHALL DISCONNECT AND ISOLATE THE EXISTING STREET LIGHT POLE OR POLES TO BE REPLACED.
 -CONTRACTOR TO INSTALL TEMPORARY OH FEEDS BETWEEN EXISTING POLES.
 -M/STAFF TO INSTALL FINAL DROP FROM EXISTING POLE TO SOURCE AND ENERGIZE.
 -CONTRACTOR TO INSTALL NEW POLES, UNDERGROUND STREET LIGHT CABLE BETWEEN POLES, GROUND RODS, RELAYS, AND BOTTOM SECTION OF CABLE GUARD AT DIP IF APPLICABLE AND TERMINATE IN HAND HOLE.
 -M/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 STYLE	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-08

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 311m OF NEW #4 AL CN STREET LIGHTING CABLE AND 2" CONDUIT ALONG EXISTING ALIGNMENT.

MANITOBA HYDRO TO INSTALL 2 NEW #4 AL CN DIPS FOR STREET LIGHT FEEDS AND INSTALL NEW 60A RELAY (AS PER CD 315-5) AND CONNECT TO EXISTING PILOT WIRE CIRCUIT.
 CONTRACTOR SHALL INSTALL LOWER 3m OF CABLE GUARD (AS PER 315-5 AND CD 200-63) AND COIL NEW CABLE FOR CONNECTION BY MANITOBA HYDRO.

PUSH APPROX 50m OF 2 NEW #4 AL CN CONDUCTORS IN 2" CONDUIT DOWN BACK LANE TO CALROSSIE BLVD

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

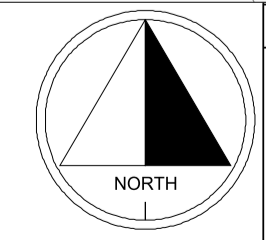
AT THE END OF CONSTRUCTION, TEMPORARY OVERHEAD CABLE SHALL BE DISCONNECTED BY MANITOBA HYDRO AND SALVAGED BY CONTRACTOR.

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

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-50000-0226	MULVEY AVE ROAD RENEWAL			
1-04707-DD-50000-0227	RENFREW ST ROAD RENEWAL			
1-04707-DD-50000-0229	WILSON PL ROAD RENEWAL			
6L-1080	COW APPROVED DESIGN			

AREA NUMBER	MANITOBA HYDRO DISTRIBUTION PLANNING & DESIGN
4901	WBS # P:24428 NETWORK # 4302927
STATION NUMBER	DISTRICT: FORT GARRY
1027	2015 STREET LIGHT RENEWAL PROJECTS
FEEDER NUMBER	CALROSSIE BLVD FROM PEMBINA HWY TO RIVERSIDE DR
S168	CONTRACTOR TO REPLACE EXISTING UNDERGROUND STREET LIGHTING PLANT
SYSTEM VOLTAGE	2.4/4.16 KV
DATE	2014/12/23
1-04707-DD-50000-0224	SHT. REV. 01/01 00