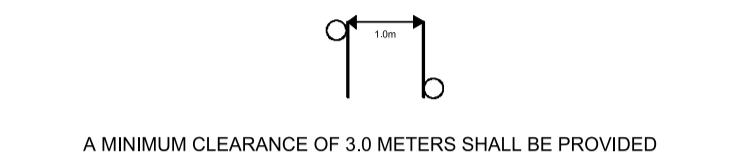


NOTES :

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 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.



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

PROPOSED SEQUENCE OF CONSTRUCTION:

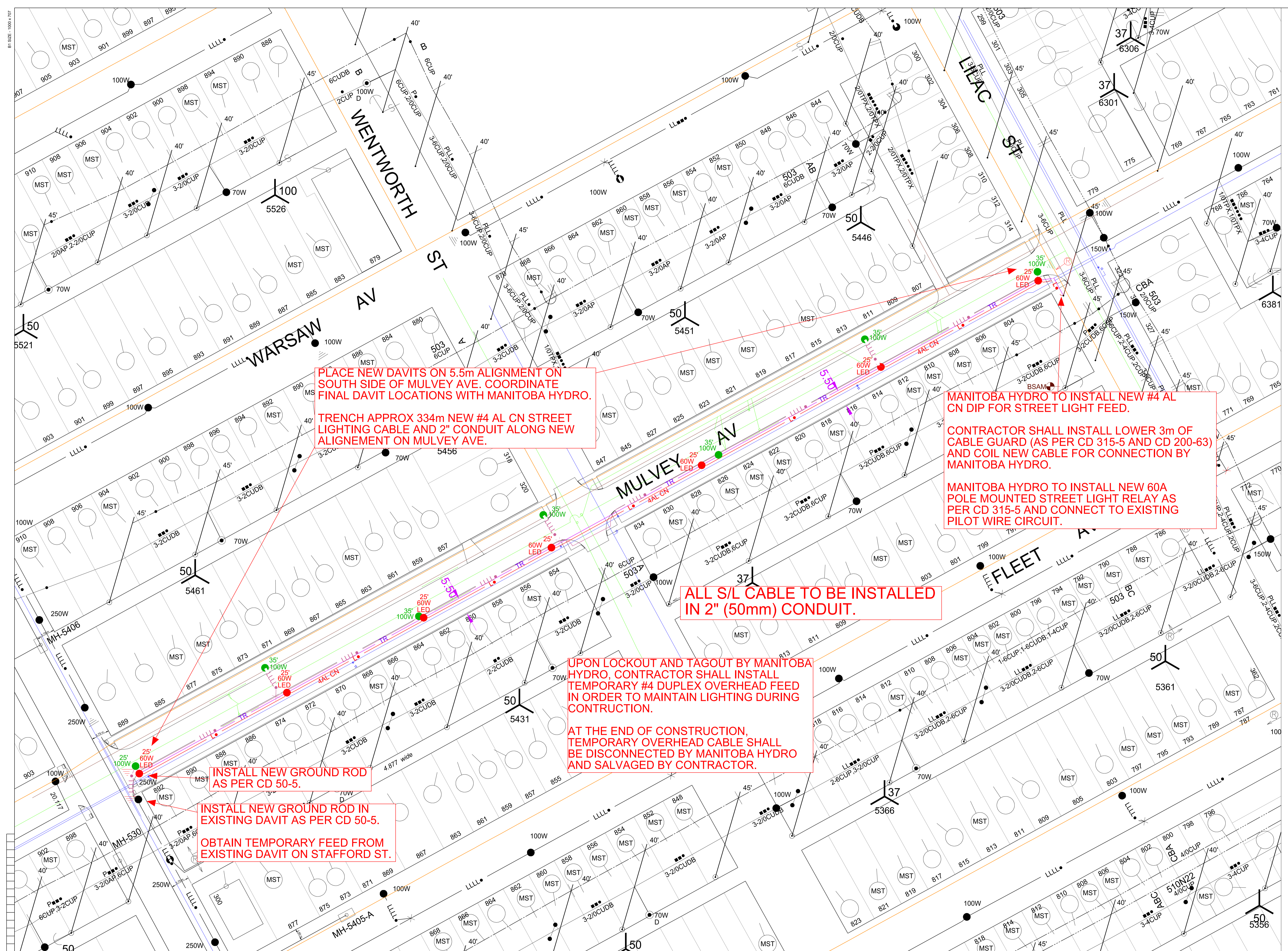
- M/STAFF SHALL DISCONNECT AND ISOLATE THE EXISTING STREET LIGHT POLE OR POLES TO BE REPLACED.
- CONTRACTOR TO INSTALL TEMPORARY OH FEEDS BETWEEN EXISTING POLES.
- M/STAFF TO INSTALL FINAL DROP FROM EXISTING POLE TO SOURCE AND ENERGIZE.
- CONTRACTOR TO INSTALL NEW POLES, UNDERGROUND STREET LIGHT CABLE 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	TIM WILKINSON	360-7467
ENERGY SERVICES ADVISOR	TERRY MCCARTHY	360-4127
LIG CONSTRUCTION	JAYSON WITT	803-1165
OH CONSTRUCTION	WAYNE IRELAND	360-5789
CUSTOMER CONTRACT	RICK PHILLIPS	360-7018
CONNECTIONS	ALVARO SILVA	360-6214
TEMP. STRINGING	TERRY TABAK	360-7521

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-08

PRELIMINARY NOT TO BE  
USED FOR  
CONSTRUCTION



PLACE NEW DAVITS ON 5.5m ALIGNMENT ON SOUTH SIDE OF MULVEY AVE. COORDINATE FINAL DAVIT LOCATIONS WITH MANITOBA HYDRO.  
TRENCH APPROX 334m NEW #4 AL CN STREET LIGHTING CABLE AND 2" CONDUIT ALONG NEW ALIGNEMENT ON MULVEY AVE.

MANITOBA HYDRO TO INSTALL NEW #4 AL CN DIP FOR STREET LIGHT FEED.

CONTRACTOR SHALL INSTALL LOWER 3m OF CABLE GUARD (AS PER CD 315-5 AND CD 200-63) AND COIL NEW CABLE FOR CONNECTION BY MANITOBA HYDRO.

MANITOBA HYDRO TO INSTALL NEW 60A POLE MOUNTED STREET LIGHT RELAY AS PER CD 315-5 AND CONNECT TO EXISTING PILOT WIRE CIRCUIT.

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

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.

INSTALL NEW GROUND ROD AS PER CD 50-5.

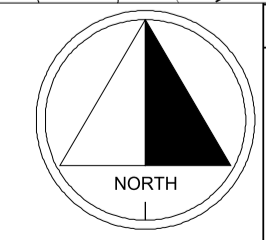
INSTALL NEW GROUND ROD IN EXISTING DAVIT AS PER CD 50-5.

OBTAIN TEMPORARY FEED FROM EXISTING DAVIT ON STAFFORD ST.

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-50000-0224	CALROSSIE BLVD 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			

DRAWING NUMBER	REFERENCE DRAWINGS	DRAWN	CHECK
1-04707-DD-50000-0224	CALROSSIE BLVD ROAD RENEWAL	NTW	
1-04707-DD-50000-0227	RENFREW ST ROAD RENEWAL		
1-04707-DD-50000-0229	WILSON PL ROAD RENEWAL		

DATE	SCALE	DATE
2015/12/01	1:500	

AREA NUMBER	MANITOBA HYDRO DISTRIBUTION PLANNING & DESIGN
5202	WBS # P:24428 NETWORK # 4302927
STATION NUMBER	DISTRICT: CITY CENTRE
1505	2015 STREET LIGHT RENEWAL PROJECTS
FEEDER NUMBER	MULVEY AVE FROM LILAC ST TO STAFFORD ST
503	CONTRACTOR TO REPLACE EXISTING UNDERGROUND STREET LIGHTING PLANT
SYSTEM VOLTAGE	2.4/4.16 KV
DATE	1-04707-DD-50000-0226