

**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.

- MUNICIPAL EXCAVATION STANDARDS**
- BEFORE EXCAVATION FOR INSTALLATION OF HYDRO UNDERGROUND PLANT, DEPTH AND LOCATION OF OBSTRUCTIONS MUST BE DETERMINED.
  - BEFORE COMMENCING WORK, ALL UTILITIES ARE TO BE CONTACTED FOR CLEARANCES.
  - CONCRETE SAW TO BE USED TO CUT PAVEMENT (FULL DEPTH)
  - THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL REPAIRS TO STREETS, CURBS, BOULEVARDS, SIDEWALKS, FENCES, AND ANY OTHER PROPERTY DAMAGE DURING THE COURSE OF CONSTRUCTION.
  - ALL EXISTING STREET EXCAVATIONS TO BE BACKFILLED WITH STABILIZED FILL. SIDEWALK EXCAVATIONS WITH STABILIZED FILL. ALL OTHER EXCAVATIONS SHALL BE BACKFILLED WITH EARTH FILL.
  - ALL WORK SHALL CONFORM TO MANITOBA HYDRO SPECIFICATIONS.
  - MINIMUM 1.2 METERS COVERING CABLES AT DITCH BOTTOM. RESTORE AND REGRADE DITCH.

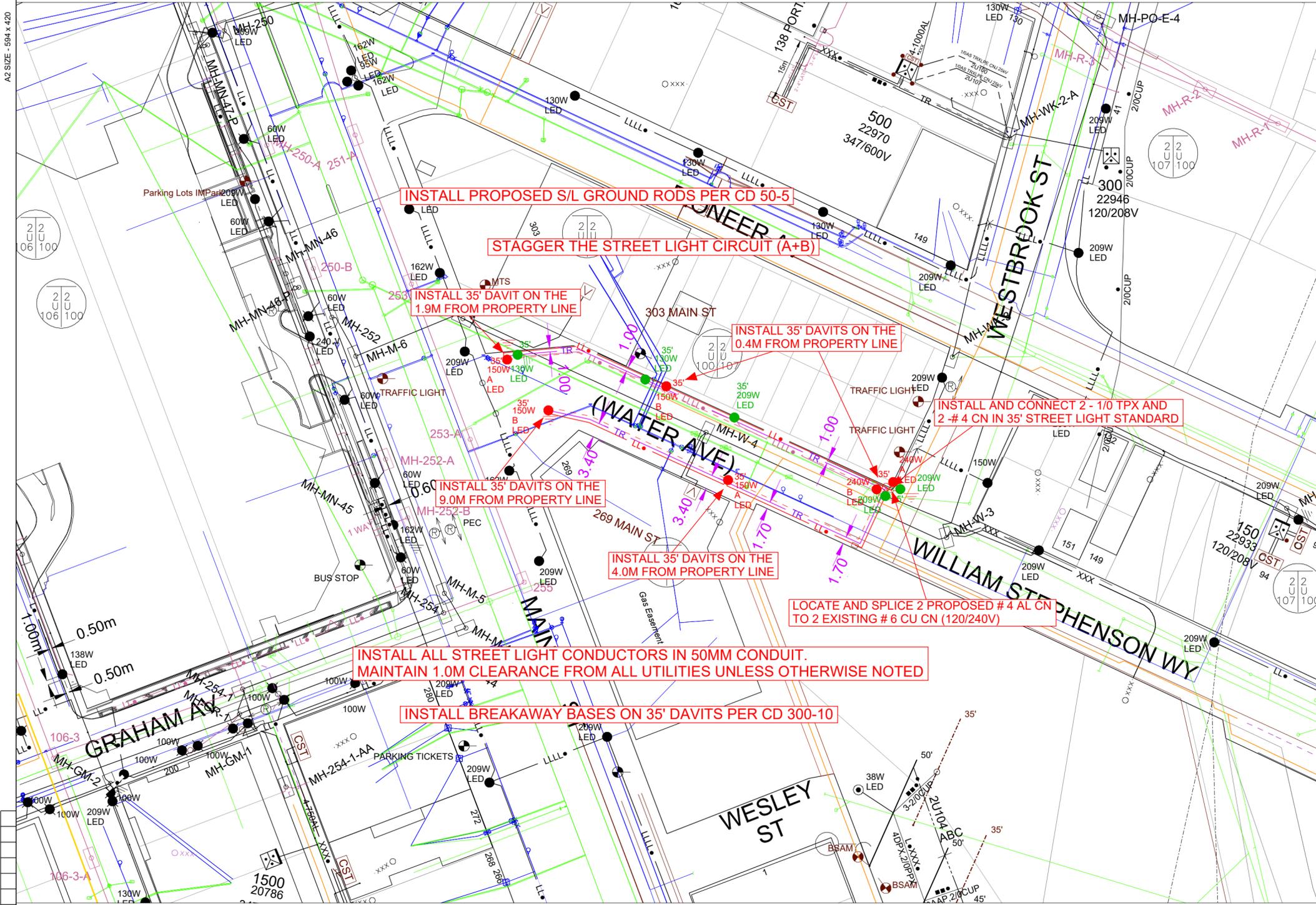
**\*\* CONSTRUCTION CREWS MUST CONSULT C.O.W U/G STRUCTURES APPROVAL DRAWING AS WELL AS GEOMATICS DOCUMENTATION PRIOR TO COMMENCEMENT OF WORK. \*\***  
 \*ENSURE ALL EXCAVATION PERMITS AND CLEARANCES HAVE BEEN ACQUIRED BEFORE CONSTRUCTION BEGINS.  
 \*CITY OF WINNIPEG UNDERGROUND STRUCTURES APPROVAL DRAWING #: NOT REQUIRED.

\*CONFIRMATION OF EXISTENCE AND EXACT LOCATION OF ALL SERVICES MUST BE OBTAINED FROM THE INDIVIDUAL UTILITIES BEFORE PROCEEDING WITH CONSTRUCTION.  
 \*ENSURE THAT THE GEOMATICS BRANCH IS CONTACTED (204-918-1360) AT LEAST 5 WORKING DAYS INADVANCE OF CONSTRUCTION STARTING TO PROVIDE APPOINTMENT FOR MONUMENT PROTECTION IF NECESSARY.  
 \*ENSURE THAT ALL OTHER BRANCHES THAT ARE MENTIONED ON THE C.O.W. APPROVAL DRAWING HAVE BEEN CONTACTED PRIOR TO ANY CONSTRUCTION BEING STARTING.

UNDERGROUND CABLES SHALL NOT BE INSTALLED IN THE SAME VERTICAL PLANE WITH UNDERGROUND SYSTEMS.  
 SUCH AS PRIVATELY OWNED SUPPLY CABLES, GAS, WATER, SEWER LINES OR ANY FORI CONDUIT. INSTALLATION WITH COMMUNICATION CABLE IN THE SAME VERTICAL PLANE IS PERMIT WITH JOINT USE INSTALLATION  
 A MINIMUM HORIZONTAL SEPARATION OF 0.3M (DEFINED AS THE HORIZONTAL DISTANCE BETWEEN TWO VERTICAL PLANES) SHALL BE OBTAINED BETWEEN MANITOBA HYDRO OR UNDERGROUND CABLE AND OTHER UNDERGROUND SYSTEMS. SEE TABLE 1 AND 2 FROM C22.3 NO.7-10 PAGES 34 & 35

**\*\* DISCLAIMER \*\***  
 THE INDICATION OF OTHER PARTIES ON THIS DRAWING ARE FOR TRENCH LOCATION PURPOSES ONLY. REFER TO THE OTHER PARTY'S DRAWINGS FOR DESIGN DETAILS.

CONTACT	NAME	PHONE NUMBER	E-MAIL ADDRESS
DESIGN	PATRIC LEBECQUE	918-3807	plebecque@mcw.com
DESIGN ENGINEER	BOB BUSCHAU	779-7900	tbuschau@mcw.com
MH DESIGN ENGINEER	SCOTT WHALEY	204 761-4906	swhaley@hydro.mb.ca
MAJOR ACCOUNT ADVISOR	RYAN AUBRY	323-3097	raubry@hydro.mb.ca
U/G CONSTRUCTION	BRENT KROEKER	204-360-4275	bckroeker@hydro.mb.ca
U/G CONSTRUCTION	DEAN ADAMS	360-5712	dadams@hydro.mb.ca
DISTRICT ENG TECH	GEORGE WEDDALL	360-7451	gweddall@hydro.mb.ca
			@hydro.mb.ca
URD PROGRAM COORDINATOR		360-	@hydro.mb.ca
PLANNING		360-	@hydro.mb.ca
PROTECTION		360-	@hydro.mb.ca



INSTALL PROPOSED S/L GROUND RODS PER CD 50-5

STAGGER THE STREET LIGHT CIRCUIT (A+B)

INSTALL 35' DAVIT ON THE 1.9M FROM PROPERTY LINE

INSTALL 35' DAVITS ON THE 0.4M FROM PROPERTY LINE

INSTALL AND CONNECT 2 - 1/0 TPX AND 2 # 4 CN IN 35' STREET LIGHT STANDARD

INSTALL 35' DAVITS ON THE 9.0M FROM PROPERTY LINE

INSTALL 35' DAVITS ON THE 4.0M FROM PROPERTY LINE

LOCATE AND SPLICE 2 PROPOSED # 4 AL CN TO 2 EXISTING # 6 CU CN (120/240V)

INSTALL ALL STREET LIGHT CONDUCTORS IN 50MM CONDUIT. MAINTAIN 1.0M CLEARANCE FROM ALL UTILITIES UNLESS OTHERWISE NOTED

INSTALL BREAKAWAY BASES ON 35' DAVITS PER CD 300-10

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

REEL NUMBER	MANUFACTURER	MANUFACTURE DATE

AUTHORITY	NOTIFIED	NOT REQ'D	OBTAINED
DEPT. OF HIGHWAYS		X	
COMMUNICIPAL APPROVALS	2022-03-		
M.T.S.		X	
GAS		X	
EASEMENTS			
CONTROL CENTER		X	
RAILWAY		X	
CATV		X	
DISTRICT	2022-03-		

**PRELIMINARY**  
 NOT TO BE USED FOR CONSTRUCTION

NO.	DATE	REVISIONS	BY	CKD.	APP.
00	2022-02-	ISSUED TO CONSTRUCTION	PRL		

DRAWING NUMBER	REFERENCE DRAWINGS	DRAWN	CHECK	SCALE	DATE
	City Of Winnipeg Approval	P.R.L.		1:750	2022 02 22

AREA NUMBER	MANITOBA HYDRO DISTRIBUTION ENGINEERING
5201	WO# P:36424 NETWORK # 4307320
STATION NUMBER	CSC: CITY CENTRE
1502	CUSTOMER SERVICE PROJECT:
FEEDER NUMBER	CITY OF WINNIPEG ROAD RENEWAL ON WILLIAM STEPHENSEN AVE. INSTALL 3 - 35' DAVITS, 1/0 TPX, AND 50MM CONDUIT FROM MAIN ST TO WESTBROOK ST
SYSTEM VOLTAGE	7.2/12.47KV

INSTALLED			
Quantity	Fixture Type	Wattage	Pole Type
0	LED	40	SHARED
0	LED	50	SHARED
0	LED	60	SHARED
0	LED	90	SHARED
4	LED	150	EXCLUSIVE
2	LED	209	EXCLUSIVE

REMOVED			
Quantity	Fixture Type	Wattage	Pole Type
0	LED	91	EXCLUSIVE
2	LED	130	EXCLUSIVE
0	LED	162	EXCLUSIVE
3	LED	209	EXCLUSIVE
0	LED	400	SHARED



FOR MICROFILM USE ONLY