

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 # IS: NOT REQUIRED.**

**\*CONFIRMATION OF EXISTANCE 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 IN ADVANCE 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.**

**\*\* 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.

UNDERGROUND CABLES SHALL NOT BE INSTALLED IN THE SAME VERTICAL PLANE WITH OTHER UNDERGROUND SYSTEMS.

SUCH AS PRIVATELY OWNED SUPPLY CABLES, GAS, WATER, SEWER LINES OR ANY FOREIGN CONDUIT.  
INSTALLATION WITH COMMUNICATION CABLE IN THE SAME VERTICAL PLANE IS PERMITTED WITH JOINT USE INSTALLATION.

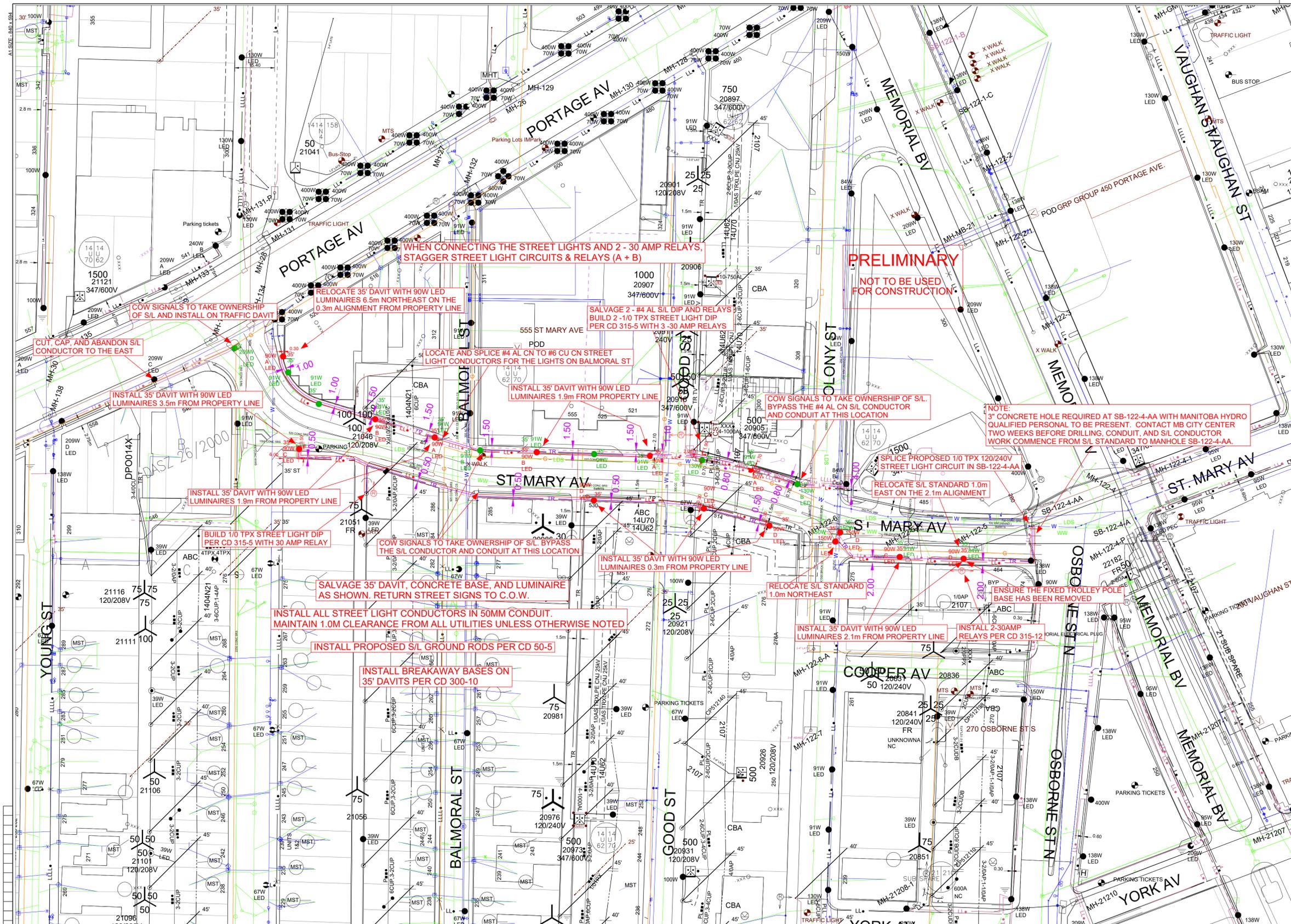
A MINIMUM HORIZONTAL SEPARATION OF 0.3M (DEFINED AS THE HORIZONTAL DISTANCE BETWEEN TWO VERTICAL PLANES) SHALL BE OBTAINED BETWEEN MANITOBA HYDRO OWNED UNDERGROUND CABLE AND OTHER UNDERGROUND SYSTEMS.  
SEE TABLE 1 AND 2 FROM C22.3 NO.7-10 PAGES 34 & 35

REEL NUMBER	MANUFACTURER	MANUFACTURE DATE

AUTHORITY	NOTIFIED	NOT REQ'D	OBTAINED
DEPT. OF HIGHWAYS		X	
MUNICIPAL APPROVALS	2022-01		
M.T.S.		X	
GAS		X	
EASEMENTS	X		
CONTROL CENTER		X	
RAILWAY		X	
CATV		X	
DISTRICT	2022		

CONTACT	NAME	PHONE NUMBER	E-MAIL ADDRESS
DESIGN	PATRIC LEBECQUE	918-3807	plebecque@mcw.com
DESIGN ENGINEER	BOB BUSCHAU	779-7900	bbuschau@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

**PRELIMINARY**  
NOT TO BE USED FOR CONSTRUCTION



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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

INSTALLED				REMOVED			
Quantity	Fixture Type	Wattage	Pole Type	Quantity	Fixture Type	Wattage	Pole Type
0	LED	40	SHARED	11	LED	91	EXCLUSIVE
0	LED	50	SHARED	2	LED	130	EXCLUSIVE
0	LED	60	EXCLUSIVE	2	LED	150	EXCLUSIVE
12	LED	90	SHARED	1	HPS	208	SHARED
2	LED	150	SHARED	0	HPS	400	SHARED
0	LED	240	SHARED				



NO.	DATE	REVISION	BY	CHKD.	APP.
00	2022-04	ISSUE TO CONSTRUCTION	PRL		

AREA NUMBER	MANITOBA HYDRO DISTRIBUTION ENGINEERING
5201	WO# P:36348 NETWORK # 4307288
STATION NUMBER	CSC: CITY CENTRE
FEEDER NUMBER	CUSTOMER SERVICE PROJECT
SYSTEM VOLTAGE	CITY OF WINNIPEG ROAD RENEWAL ON ST MARY AV
SCALE	INSTALL 15 - 35' DAVITS, 1/0 TPX, AND 50MM CONDUIT FROM PORTAGE AV TO MEMORIAL BLVD
DATE	2022 01 17

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