

NOTES :

CONSTRUCTION STANDARDS

TO BE CONSTRUCTED IN ACCORDANCE WITH MANITOBA HYDRO DISTRIBUTION AND SUBSTATION STANDARDS, LATEST REVISION. NO MAJOR CHANGE SHALL BE MADE WITHOUT APPROVAL OF THE DESIGN ENGINEER OR DELEGATE.

****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: 3H-666**

***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 IN ADVANCE OF CONSTRUCTION STARTING TO PROVIDE APPROPRIATE 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.**

CONTACT "CLICK BEFORE YOU DIG MANITOBA" AT ClickBeforeYouDigMB.com

THREE FULL WORKING DAYS

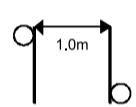
PRIOR TO CONSTRUCTION FOR LOCATION OF EXISTING WATER, WASTEWATER AND LAND DRAINAGE UTILITIES

WATER AND WASTE DEPARTMENT APPROVAL SUBJECT TO THE FOLLOWING NOTES:

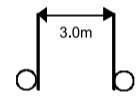
A MINIMUM CLEARANCE OF 1000 MILLIMETERS SHALL BE PROVIDED BETWEEN THE UNDERSIDES OF ANY EXISTING WATERMAIN PIPE AND THE TOP OF THE PROPOSED WORKS.

A MINIMUM CLEARANCE OF 500 MILLIMETERS SHALL BE PROVIDED BETWEEN THE UNDERSIDES 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.



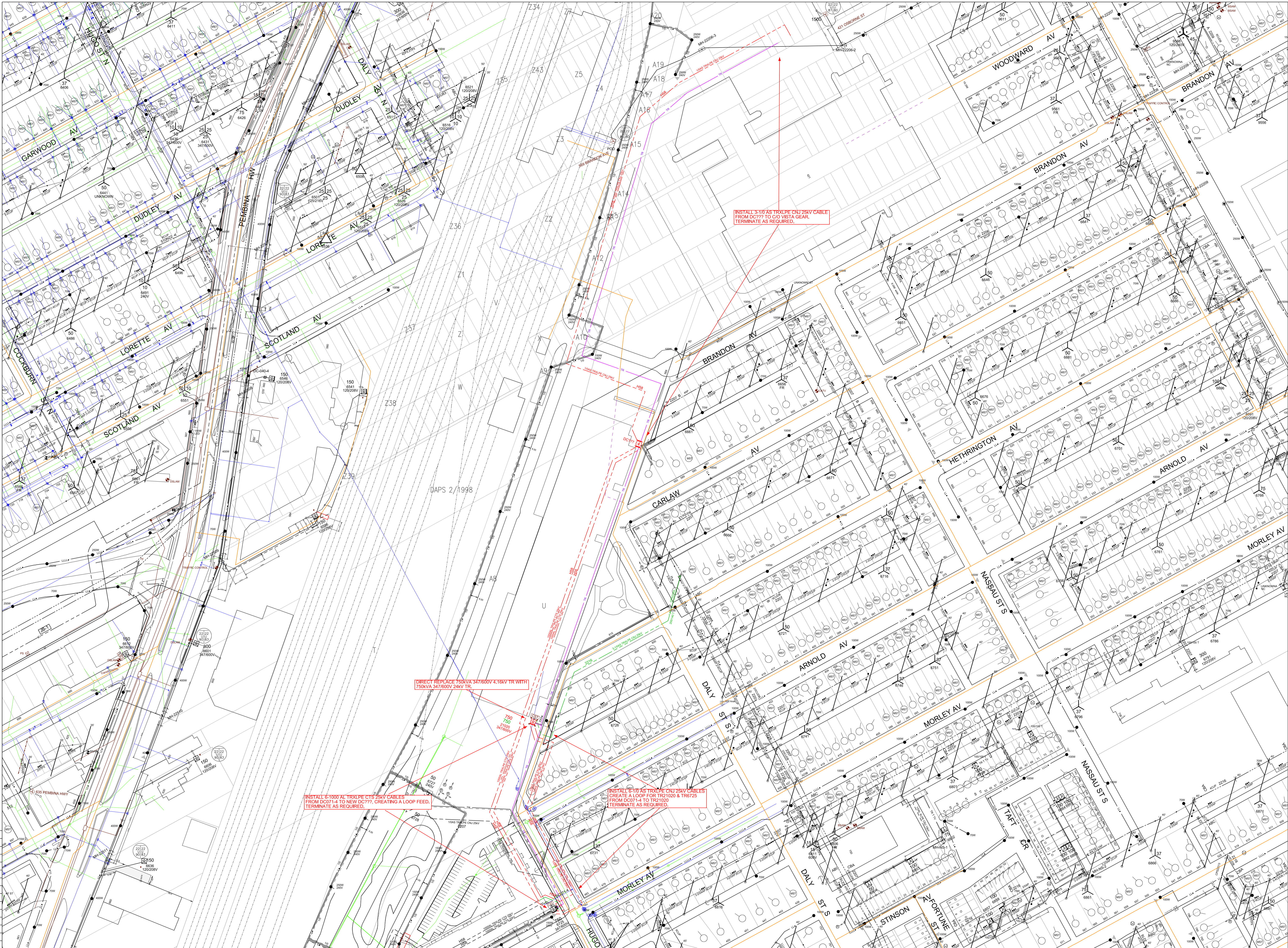
A MINIMUM CLEARANCE OF 3.0 METERS SHALL BE PROVIDED BETWEEN THE NEAREST EDGE OF ANY PROPOSED PILE OR LIGHT STANDARD INSTALLATION AND THE NEAREST EDGE OF ANY EXISTING HYDRANT AND HYDRANT BRANCH.



AUTHORITY	NOTIFIED	NOT REQD	OBTAINED
DISTRICT			
C.O.W. MUNICIPAL			
M.T.S.		X	
GAS		X	
SHAW		X	
EASEMENTS			
COMMUNICATIONS		X	
S.C.C.		X	
DEPT. OF HIGHWAYS		X	

CONTACT	NAME	PHONE NUMBER	E-MAIL ADDRESS
DESIGN	DON GALE	918-3111	DGALE@HYDRO.MB.CA
DESIGN ENGINEER	ERIC WICKSTROM	770-2410	EWICKSTROM@HYDRO.MB.CA
DE & C PROJECTS SECTION	DARREN PALLACK	771-2497	DPALLACK@HYDRO.MB.CA
ENERGY SERVICE ADVISOR	BRIAN ADAMYK	794-8164	BADAMYK@HYDRO.MB.CA
U/G CONSTRUCTION	BRENT KROEKER	793-1670	BKROEKER@HYDRO.MB.CA
O/H CONSTRUCTION	WAYNE IRELAND	771-5212	WIRELAND@HYDRO.MB.CA
HYDRO GAS			
SHAW			
MTS			
CUSTOMER REP			
DISTRICT ENG TECH	GEORGE WEDALL	795-5153	GWEDALL@HYDRO.MB.CA
ELECT CONTRACTOR			

**** 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.



INSTALL 3-TRIP AS TRIPLE CNY 24KV CABLE FROM DC2777 TO C/O VISTA GEAR. TERMINATE AS REQUIRED.

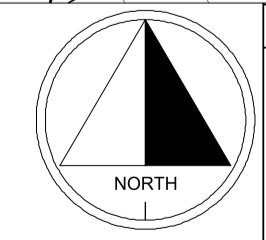
DIRECT REPLACE 120KV 347600V 4.16KV TR WITH 1750KV 347600V 24KV TR.

INSTALL 3-1000 AL TRIPLEX CTS 24KV CABLES FROM DC0714 TO NEW DC2777, CREATING A LOOP FEED. TERMINATE AS REQUIRED.

INSTALL 3-110 AS TRIPLEX CNY 24KV CABLES. CREATE A LOOP FOR TR21020 & TR6725 FROM DC2114 TO TR21020. TERMINATE AS REQUIRED.

REEL NUMBER	MANUFACTURER	MANUFACTURE DATE

PRELIMINARY
NOT TO BE USED FOR CONSTRUCTION



DATE	REVISIONS	BY	CHKD.	APP.

DRAWING NUMBER	REFERENCE DRAWINGS	DRAWN	D.G.	CHECK

SCALE	DATE
1:1250	2016 11 01

AREA NUMBER	MANITOBA HYDRO DISTRIBUTION ENGINEERING
5202	WOF P:27145 NETWORK # 4304107
STATION NUMBER	CSC: CITY CENTRE
1402	421 OSBOURNE ST
FEDDER NUMBER	WPG TRANSIT BLDG
2216	UPGRADE CUSTOMER SERVICE TO 24KV
H58	
SYSTEM VOLTAGE	24KV
DATE	2016 11 01