

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.

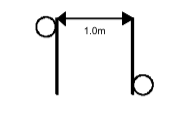
CITY OF WINNIPEG REQUIREMENTS:

WATER AND WASTE DEPARTMENT APPROVAL SUBJECT TO THE FOLLOWING NOTES:

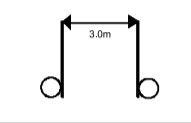
A MINIMUM CLEARANCE OF 1000 MILLIMETERS SHALL BE PROVIDED BETWEEN THE UNDERSIDE OF ANY EXISTING WATERMAIN OF SEWERMAIN PIPE AND THE TOP OF THE PROPOSED WORKS

OR
A MINIMUM CLEARANCE OF 500 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 ANY EXISTING WATERMAIN, WATERMAIN VALVE, HYDRANT, SEWERMAIN OR SEWER MANHOLE.



A MINIMUM CLEARANCE OF 3.0 METERS SHALL BE PROVIDED



REEL NUMBER	MANUFACTURER	MANUFACTURE DATE

AUTHORITY	NOTED	NOT REQUIRED	OBTAINED
DISTRICT	?		?
S.C.C.		X	
EASEMENTS		X	
GAS		X	
M.T.S.		X	
SHAW		X	
RAILWAY		X	
DEPT OF HIGHWAYS		X	
CITY OF WINNIPEG	?		?

CONTACT	NAME	PHONE
DESIGN	KEVIN VANDENBERGHE	284-8100 ext. 1331
DISTRICT ENG TECH	MIKE LAUZON	360-5198
ENERGY SERVICES ADVISOR	TERRY MCCARTHY	360-4127
LIG CONSTRUCTION	BILL AMMETER	981-8356
OIL CONSTRUCTION	WAYNE IRELAND	771-5212
CUSTOMER CONTRACT	RICK PHILLIPS	360-7018
CONNECTIONS	ALVARO SILVA	360-6214
TEMP. STRINGING	TERRY TABAK	360-7521

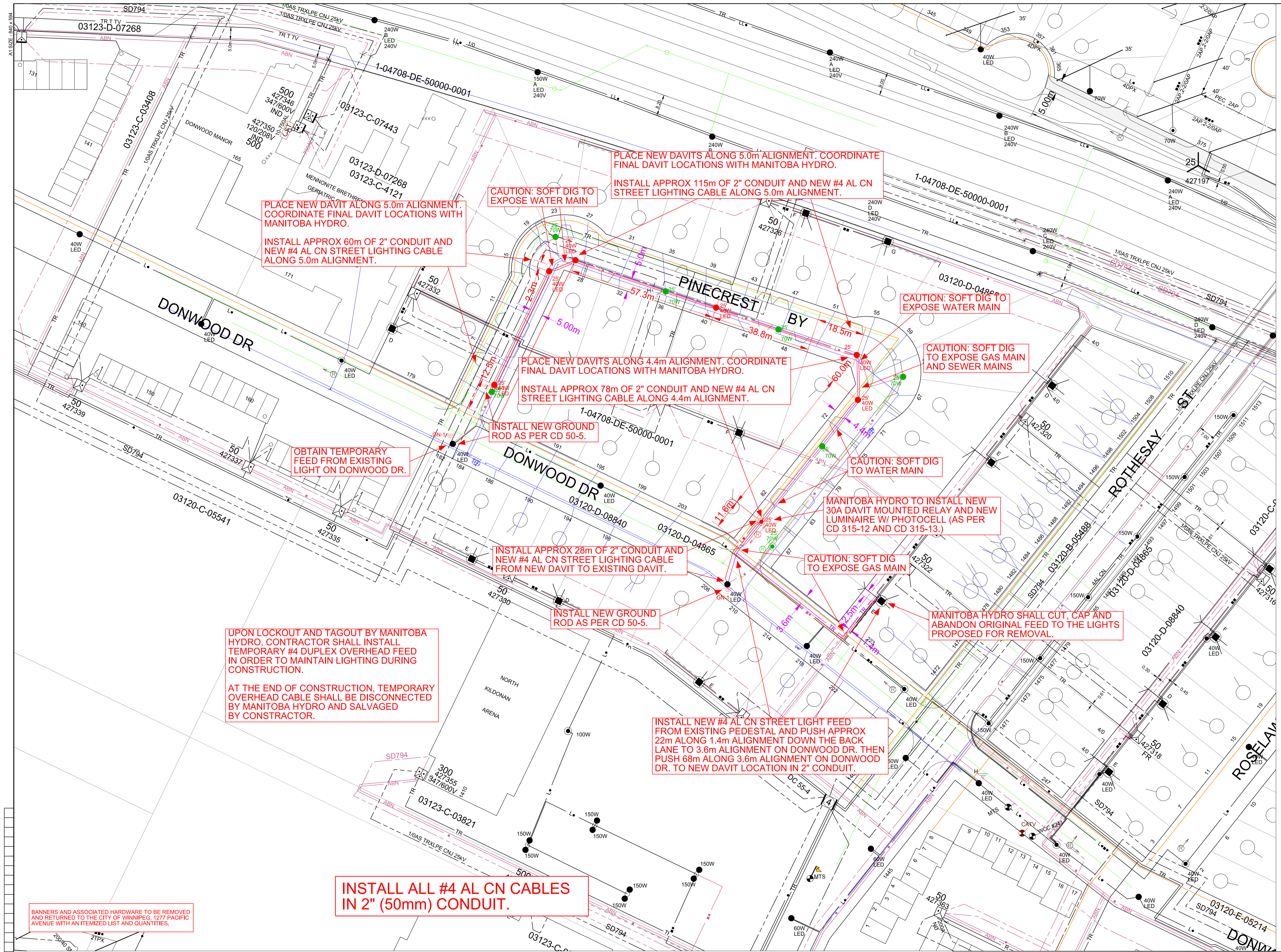
MAGENTA	PROPOSED TRENCH
RED	PROPOSED OBJECT
PINK	OBJECT TO BE ABANDONED
GREEN	OBJECT TO BE SALVAGED
BLACK	EXISTING OBJECT
LL ANNOTATION	1 - #4 AL CN STREET LIGHTING CABLE
LL ANNOTATION	1 - 1/0 TRIPLEX STREET LIGHTING CABLE

INSTALLED			
Quantity	Fixture Type	Wattage	Pole Type
7	LED	40	EXCLUSIVE

REMOVED			
Quantity	Fixture Type	Wattage	Pole Type
7	HPS	70	EXCLUSIVE

LED CONVERSION CHART		
HPS WATTAGE	EQUIVALENT LED WATTAGE	CATALOG NUMBER
100	73	ERS10C3E1540
150	95	ERS10C3E1740
250	138	ERS20H3E1540
400	209	ERS30N3E1540

**COW TENDER
2017-R-02**



PLACE NEW DAVIT ALONG 5.0m ALIGNMENT. COORDINATE FINAL DAVIT LOCATIONS WITH MANITOBA HYDRO.
INSTALL APPROX 60m OF 2" CONDUIT AND NEW #4 AL CN STREET LIGHTING CABLE ALONG 5.0m ALIGNMENT.

CAUTION: SOFT DIG TO EXPOSE WATER MAIN
INSTALL APPROX 115m OF 2" CONDUIT AND NEW #4 AL CN STREET LIGHTING CABLE ALONG 5.0m ALIGNMENT.

PLACE NEW DAVITS ALONG 4.4m ALIGNMENT. COORDINATE FINAL DAVIT LOCATIONS WITH MANITOBA HYDRO.
INSTALL APPROX 78m OF 2" CONDUIT AND NEW #4 AL CN STREET LIGHTING CABLE ALONG 4.4m ALIGNMENT.

OBTAIN TEMPORARY FEED FROM EXISTING LIGHT ON DONWOOD DR.

INSTALL NEW GROUND ROD AS PER CD 50-5.

CAUTION: SOFT DIG TO WATER MAIN

MANITOBA HYDRO TO INSTALL NEW 30A DAVIT MOUNTED RELAY AND NEW LUMINAIRE W/ PHOTOCCELL (AS PER CD 315-12 AND CD 315-13.)

INSTALL APPROX 28m OF 2" CONDUIT AND NEW #4 AL CN STREET LIGHTING CABLE FROM NEW DAVIT TO EXISTING DAVIT.

CAUTION: SOFT DIG TO EXPOSE GAS MAIN

MANITOBA HYDRO SHALL CUT, CAP AND ABANDON ORIGINAL FEED TO THE LIGHTS PROPOSED FOR REMOVAL.

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 #4 AL CN STREET LIGHT FEED FROM EXISTING PEDESTAL AND PUSH APPROX 22m ALONG 1.4m ALIGNMENT DOWN THE BACK LANE TO 3.6m ALIGNMENT ON DONWOOD DR, THEN PUSH 68m ALONG 3.6m ALIGNMENT ON DONWOOD DR, TO NEW DAVIT LOCATION IN 2" CONDUIT.

INSTALL NEW GROUND ROD AS PER CD 50-5.

INSTALL ALL #4 AL CN CABLES IN 2" (50mm) CONDUIT.

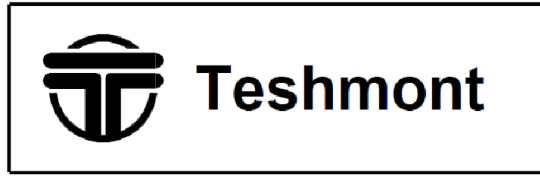
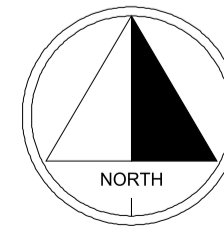
BANNERS AND ASSOCIATED HARDWARE TO BE REMOVED AND RETURNED TO THE CITY OF WINNIPEG, 1277 PACIFIC AVENUE WITH AN ITEMIZED LIST AND QUANTITIES.

CONTACT "CLICK BEFORE YOU DIG MANITOBA" AT ClickBeforeYouDigMB.com
THREE FULL WORKING DAYS
PRIOR TO CONSTRUCTION FOR LOCATION OF EXISTING WATER, WASTEWATER, LAND DRAINAGE UTILITIES AND MANITOBA HYDRO UTILITIES

NOTE: INDICATION OF ALL UNDERGROUND UTILITIES IS FOR ILLUSTRATIVE PURPOSES ONLY. CONTACT THE APPLICABLE UTILITIES FOR SPECIFIC PLANT LOCATIONS AND CLEARANCES.

PRELIMINARY NOT TO BE USED FOR CONSTRUCTION

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.



NO.	DATE	REVISION	BY	CHKD.	APP.

DRAWING NUMBER	REFERENCE DRAWINGS	DRAWN	KLV

CHECK	SCALE	DATE
	1:750	2017 05 02

AREA NUMBER	MANITOBA HYDRO DISTRIBUTION PLANNING & DESIGN
5306	WO# P:27871 NETWORK # 4304355
STATION NUMBER	DISTRICT: RIVER EAST
1030	2017 STREET LIGHT RENEWAL PROJECTS
FEEDER NUMBER	PINECREST BAY
SD794	CONTRACTOR TO REPLACE EXISTING UNDERGROUND STREET LIGHTING PLANT
SYSTEM VOLTAGE	7.2/12.47kV
1-04707-DD-50000-0352	SHT. REV. 0001 00