

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

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 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

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	JUN TAN	284-8100 ext.1298
DISTRICT ENG TECH	GEORGE WEDDALL	485-3306
ENERGY SERVICES ADVISOR	TERRY MCCARTHY	360-4127
UIG CONSTRUCTION	BILL AMMETER	981-8356
O/H CONSTRUCTION	WAYNE IRELAND	771-5212
CUSTOMER CONTRACT	RIK PHILLIPS ?	360-7018
CONNECTIONS	ALVARO SILVA	360-6214
TEMP. STRINGING	TERRY TABAK	360-7521

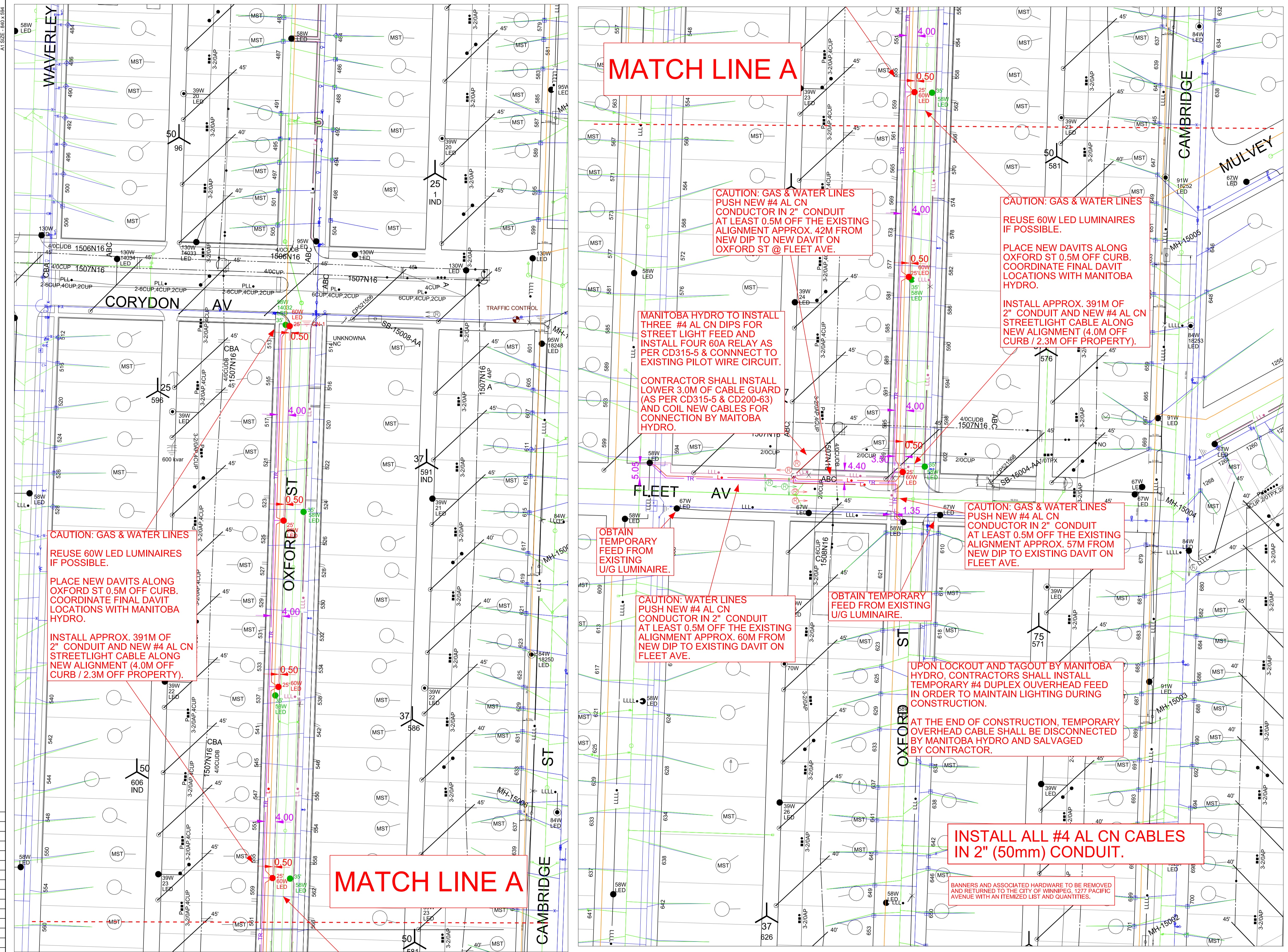
LINE COLOR	DESCRIPTION
MAGENTA	PROPOSED TRENCH
RED	PROPOSED OBJECT
PINK	OBJECT TO BE ABANDONED
GREEN	OBJECT TO BE SALVAGED
BLACK	EXISTING OBJECT
LL - ANNOTATION	1 - #4 AL CN STREET LIGHTING CABLE
LLL - ANNOTATION	1 - 1/8" TRIPLEX STREET LIGHTING CABLE

INSTALLED			
Quantity	Fixture Type	Wattage	Pole Type
6	LED	60	EXCLUSIVE

REMOVED			
Quantity	Fixture Type	Wattage	Pole Type
6	LED	60	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
2018-R-03**



MATCH LINE A

MATCH LINE A

CAUTION: GAS & WATER LINES
PUSH NEW #4 AL CN CONDUIT AT LEAST 0.5M OFF THE EXISTING ALIGNMENT APPROX. 42M FROM NEW DIP TO NEW DAVIT ON OXFORD ST @ FLEET AVE.

CAUTION: GAS & WATER LINES
REUSE 60W LED LUMINAIRES IF POSSIBLE.
PLACE NEW DAVITS ALONG OXFORD ST 0.5M OFF CURB. COORDINATE FINAL DAVIT LOCATIONS WITH MANITOBA HYDRO.

MANITOBA HYDRO TO INSTALL THREE #4 AL CN DIPS FOR STREET LIGHT FEED AND INSTALL FOUR 60A RELAY AS PER CD315-5 & CONNECT TO EXISTING PILOT WIRE CIRCUIT.

CONTRACTOR SHALL INSTALL LOWER 3.0M OF CABLE GUARD (AS PER CD315-5 & CD200-63) AND COIL NEW CABLES FOR CONNECTION BY MAITOBA HYDRO.

CAUTION: GAS & WATER LINES
REUSE 60W LED LUMINAIRES IF POSSIBLE.

PLACE NEW DAVITS ALONG OXFORD ST 0.5M OFF CURB. COORDINATE FINAL DAVIT LOCATIONS WITH MANITOBA HYDRO.
INSTALL APPROX. 391M OF 2" CONDUIT AND NEW #4 AL CN STREETLIGHT CABLE ALONG NEW ALIGNMENT (4.0M OFF CURB / 2.3M OFF PROPERTY).

OBTAIN TEMPORARY FEED FROM EXISTING U/G LUMINAIRE.

CAUTION: WATER LINES
PUSH NEW #4 AL CN CONDUIT AT LEAST 0.5M OFF THE EXISTING ALIGNMENT APPROX. 60M FROM NEW DIP TO EXISTING DAVIT ON FLEET AVE.

OBTAIN TEMPORARY FEED FROM EXISTING U/G LUMINAIRE.

CAUTION: GAS & WATER LINES
PUSH NEW #4 AL CN CONDUIT AT LEAST 0.5M OFF THE EXISTING ALIGNMENT APPROX. 57M FROM NEW DIP TO EXISTING DAVIT ON FLEET AVE.

UPON LOCKOUT AND TAGOUT BY MANITOBA HYDRO, CONTRACTORS 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 ALL #4 AL CN CABLES IN 2" (50mm) CONDUIT.

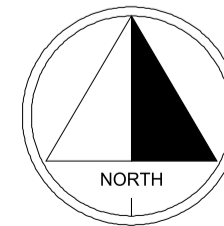
BANNERS AND ASSOCIATED HARDWARE TO BE REMOVED AND RETURNED TO THE CITY OF WINNIPEG, 1277 PACIFIC AVENUE WITH AN ITEMIZED LIST AND QUANTITIES.

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	KD.	APP.

DRAWING NUMBER	REFERENCE DRAWINGS	DRAWN
18-R-03	C.O.W. APPROVED DRAWING	JT

CHECK	SCALE	DATE
	1:750	2018 02 01

AREA NUMBER	MANITOBA HYDRO DISTRIBUTION PLANNING & DESIGN
5202	WO# P:29649 NETWORK # 4304932
STATION NUMBER	DISTRICT: CITY CENTRE
1515	2018 STREET LIGHT RENEWAL PROJECTS
FEDDER NUMBER	CONTRACTOR TO REPLACE EXISTING UNDERGROUND STREET LIGHTING PLANT
1507N16	
SYSTEM VOLTAGE	
2.4/1.6KV	