

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.

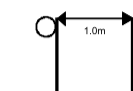
CITY OF WINNIPEG REQUIREMENTS:

WATER AND WASTE DEPARTMENT APPROVAL SUBJECT TO THE FOLLOWING NOTES:

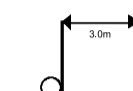
A MINIMUM CLEARANCE OF 1000 MILLIMETERS SHALL BE PROVIDED BETWEEN THE UNDERSIDE OF ANY EXISTING WATERMAIN OF SEWERMAIN PIPE AND THE TOP OF THE PROPOSED WORKS OR

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 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	KEVIN VANDERBERGE	284-8100 ext. 1331
DISTRICT ENG TECH	GEORGE WEDDALL	485-3306
ENERGY SERVICES ADVISOR	TERRY MCCARTHY	360-4127
LIUG 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

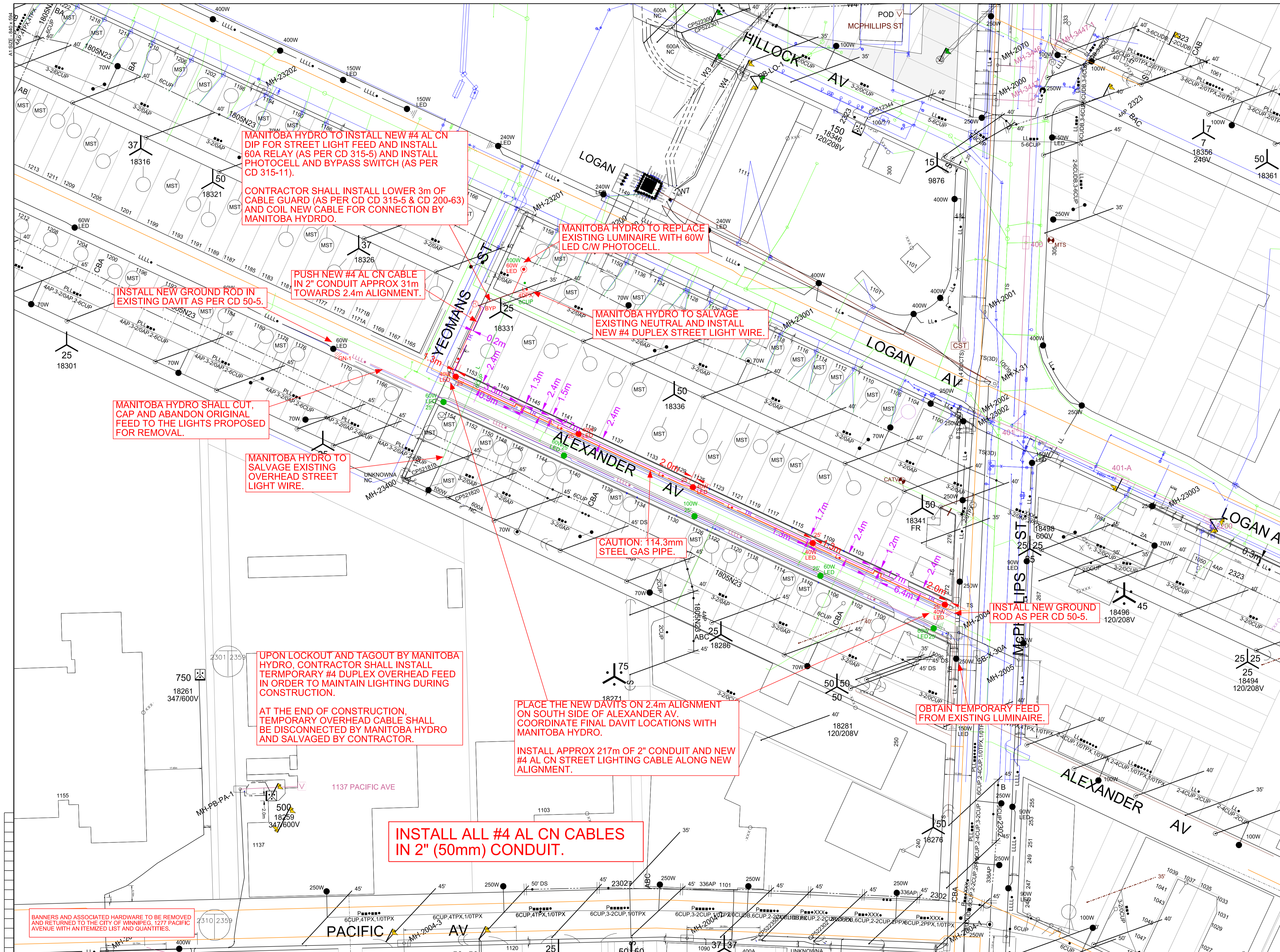
LEGEND	DESCRIPTION
MAGENTA	PROPOSED TRENCH
RED	PROPOSED OBJECT
PINK	OBJECT TO BE ABANDONED
GREEN	OBJECT TO BE SALVAGED
BLACK	EXISTING OBJECT
LL	1 - #4 AL CN STREET LIGHTING CABLE
LL	1 - 1/0 TRIPLEX STREET LIGHTING CABLE

INSTALLED			
Quantity	Fixture Type	Wattage	Pole Type
1	LED	40	EXCLUSIVE
1	LED	60	SHARED

REMOVED			
Quantity	Fixture Type	Wattage	Pole Type
5	LED	60	EXCLUSIVE
1	HPS	100	SHARED
1	HPS	100	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-01**



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	CKD.	APP.

DRAWING NUMBER	REFERENCE DRAWINGS	DRAWN	SCALE	DATE
		KLV	1:750	2017 03 14

AREA NUMBER	MANITOBA HYDRO DISTRIBUTION PLANNING & DESIGN
5202, 5201	WO# P:27870 NETWORK # 4304359
STATION NUMBER	DISTRICT: CITY CENTRE
1518, 1523	2017 STREET LIGHT RENEWAL PROJECTS
FEDDER NUMBER	ALEXANDER AV FROM YEOMANS ST TO MCPHILLIPS ST
1805N23	CONTRACTOR TO REPLACE EXISTING UNDERGROUND STREET LIGHTING PLANT
SYSTEM VOLTAGE	2.4/4.16KV