

NOTES:
 CONSTRUCTION STANDARDS:
 TO BE CONSTRUCTED IN ACCORDANCE WITH MANITOBA HYDRO DISTRIBUTION AND SUBTRANSMISSION STANDARDS. LATEST REVISIONS AND MAJOR CHANGES SHALL BE MADE WITHOUT APPROVAL OF THE DESIGN ENGINEER OR DELEGATE.
 BUMPER POST/FIBERGLASS PAD
 MANITOBA HYDRO IS RESPONSIBLE FOR INSTALLING FIBERGLASS PAD AND BUMPER POSTS FOR PMT CUSTOMER ACCEPTANCE.
 THE CUSTOMER SERVICE DEPARTMENT REPRESENTATIVE IS RESPONSIBLE FOR OBTAINING WRITTEN CUSTOMER AGREEMENT TO THE PROPOSED INSTALLATION PRIOR TO CONSTRUCTION COMMENCEMENT.
 SITE GRADING
 THE DEVELOPER IS RESPONSIBLE FOR GRADING OF THE SITE TO WITHIN +/-10.0MM OF FINISHED GRADE PRIOR TO CONSTRUCTION COMMENCEMENT. BENCHMARKS ARE TO BE OBTAINED FROM THE DEVELOPER OR CONSULTANT.

PROPOSED SEQUENCE OF CONSTRUCTION:
 - MH STAFF SHALL DISCONNECT AND ISOLATE THE EXISTING STREET LIGHT POLE OR POLES TO BE REPLACED.
 - CONTRACTOR TO INSTALL TEMPORARY OH FEEDS BETWEEN EXISTING POLES.
 - MH STAFF TO INSTALL FINAL DROP FROM EXISTING POLE TO SOURCE AND ENERGIZE.
 - CONTRACTOR TO INSTALL NEW POLES, UNDERGROUND STREET LIGHT CABLE BETWEEN POLES, CIRCUIT RIGS, RELAYS, AND BOTTOM SECTION OF CABLE GUARD AT DIP (IF APPLICABLE) AND TERMINATE IN HAND HOLE.
 - MH STAFF TO DISCONNECT AND ISOLATE TEMPORARY OH FEED TO EXISTING POLES, AS WELL AS COMMISSION AND ENERGIZE NEW POLES FROM NEW UNDERGROUND SOURCE.
 - CONTRACTOR TO REMOVE OH FEEDS AND REMOVE EXISTING POLES.

**COW TENDER
 FIFE STREET ROAD RENEWAL**

REEL NUMBER	MANUFACTURER	MANUFACTURE DATE

AUTHORITY	NOTIFIED	NOT REQ'D	OBTAINED
DISTRICT	2018 02 28		2018 02 28
CITY OF WINNIPEG	2018 02 13		2018 02 23
M.T.S.		X	
GAZ		X	
SHOW		X	
ASSESSMENTS		X	
COMMUNICATIONS		X	
S.C.C.		X	
DEPT. OF HIGHWAYS		X	

CONTACT	NAME	PHONE NUMBER	E-MAIL ADDRESS
DESIGN ENGINEER	FRAN HAYES	451-3570	FHAYES@HYDRO.MB.CA
DESIGN ENGINEER	MATT SINGER	360-3201	MSINGER@HYDRO.MB.CA
PORTFOLIO PM	DARIN WACH	360-3082	DWACH@HYDRO.MB.CA
ENERGY SERVICE ADVISOR	DARRYL STOGG	360-7715	DSTOGG@HYDRO.MB.CA
UG CONSTRUCTION	DEAN ADAMS	360-6712	DADAMS@HYDRO.MB.CA
OH CONSTRUCTION	WAYNE IRELAND	771-8212	WIRELAND@HYDRO.MB.CA
CONNECTIONS	ALVARO SILVA	781-0481	ASILVA@HYDRO.MB.CA
TEMP STRINGS	TERRY TABAK	360-5741	TTABAK@HYDRO.MB.CA
CUSTOMER CONTACT			
COW TECHNOLOGY BRANCH	CORY HUMBERT	238-2303	CHUMBERT@WINNIPG.CA
COW PUBLIC WORKS	ANDREW CONDON	818-0326	ACCONDON@WINNIPG.CA
DISTRICT ENG TECH	TODD FOUNTAIN	365-7487	TFOUNTAIN@HYDRO.MB.CA

CITY OF WINNIPEG REQUIREMENTS:
 WATER AND WASTE DEPARTMENT APPROVAL SUBJECT TO THE FOLLOWING NOTES:
 A MINIMUM CLEARANCE OF 1500 MILLIMETERS SHALL BE PROVIDED BETWEEN THE UNDERSIDE OF ANY EXISTING WATERMAIN OR SEWERMAIN PIPE AND THE TOP OF THE PROPOSED WORKS OR
 A MINIMUM CLEARANCE OF 1000 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 METERS 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 METERS SHALL BE PROVIDED BETWEEN THE NEAREST EDGE OF ANY PROPOSED POLE OR LIGHT STANDARD INSTALLATION AND THE NEAREST EDGE OF ANY EXISTING HYDRANT AND HYDRANT BRANCH.

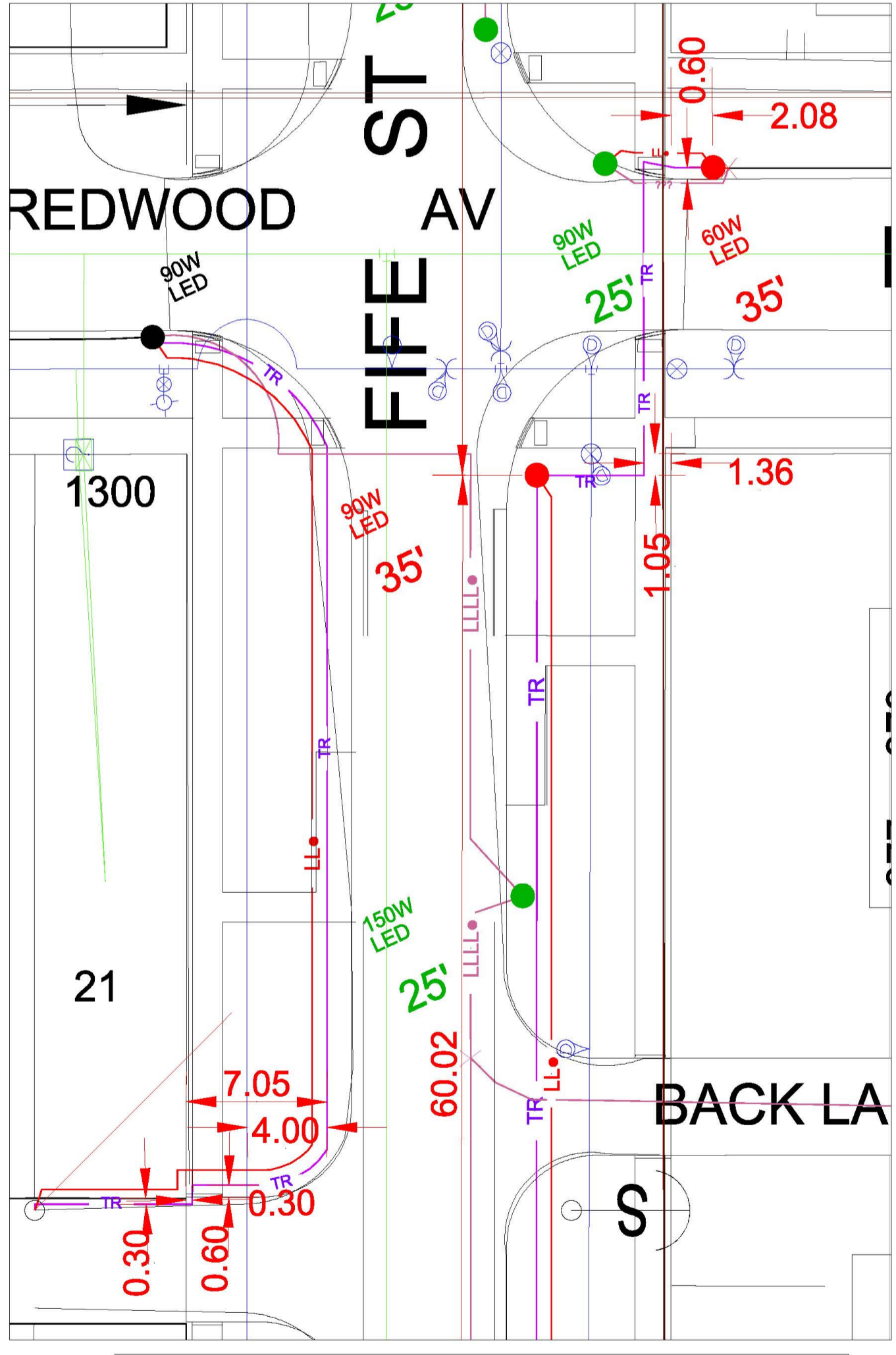
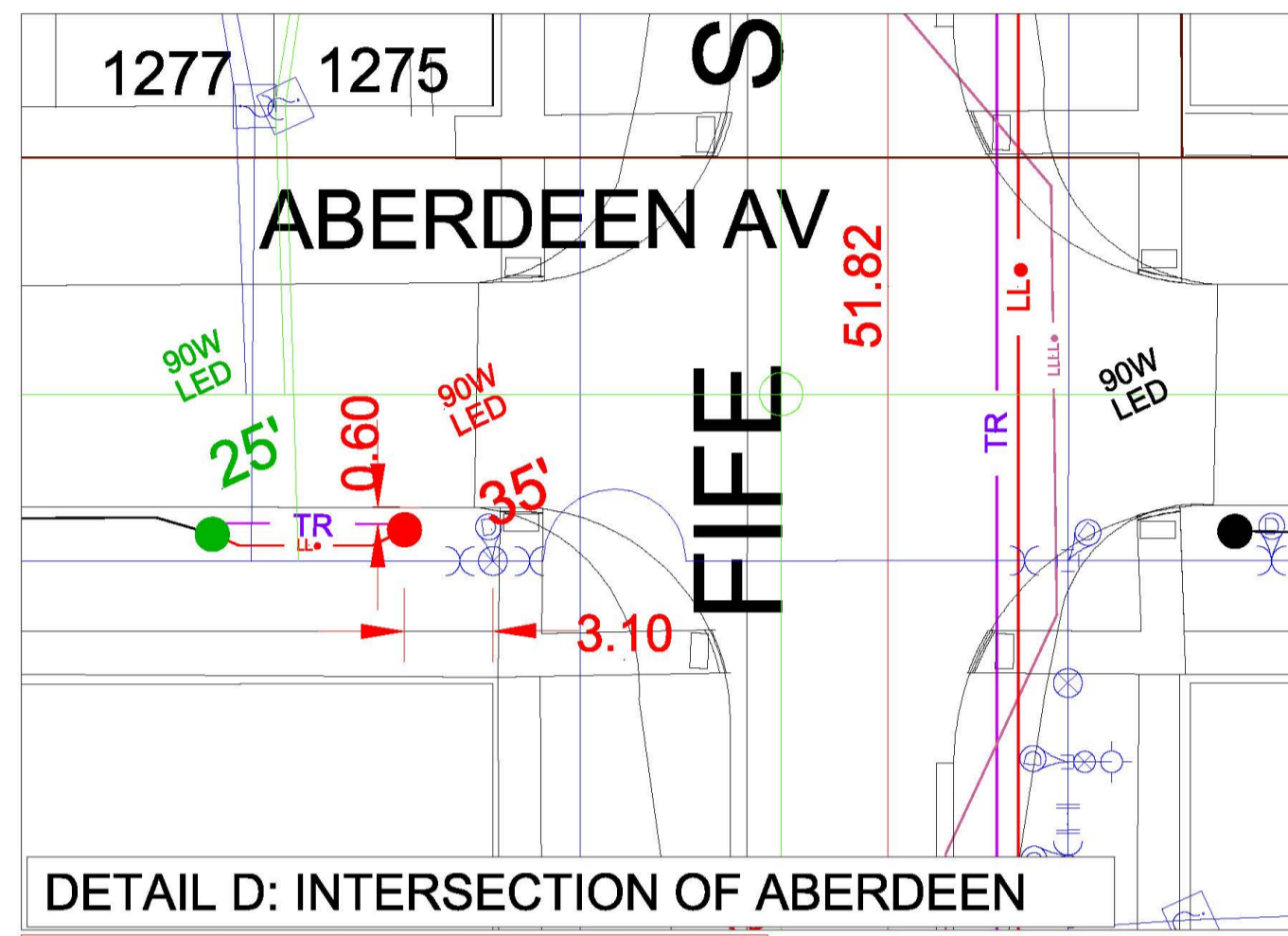
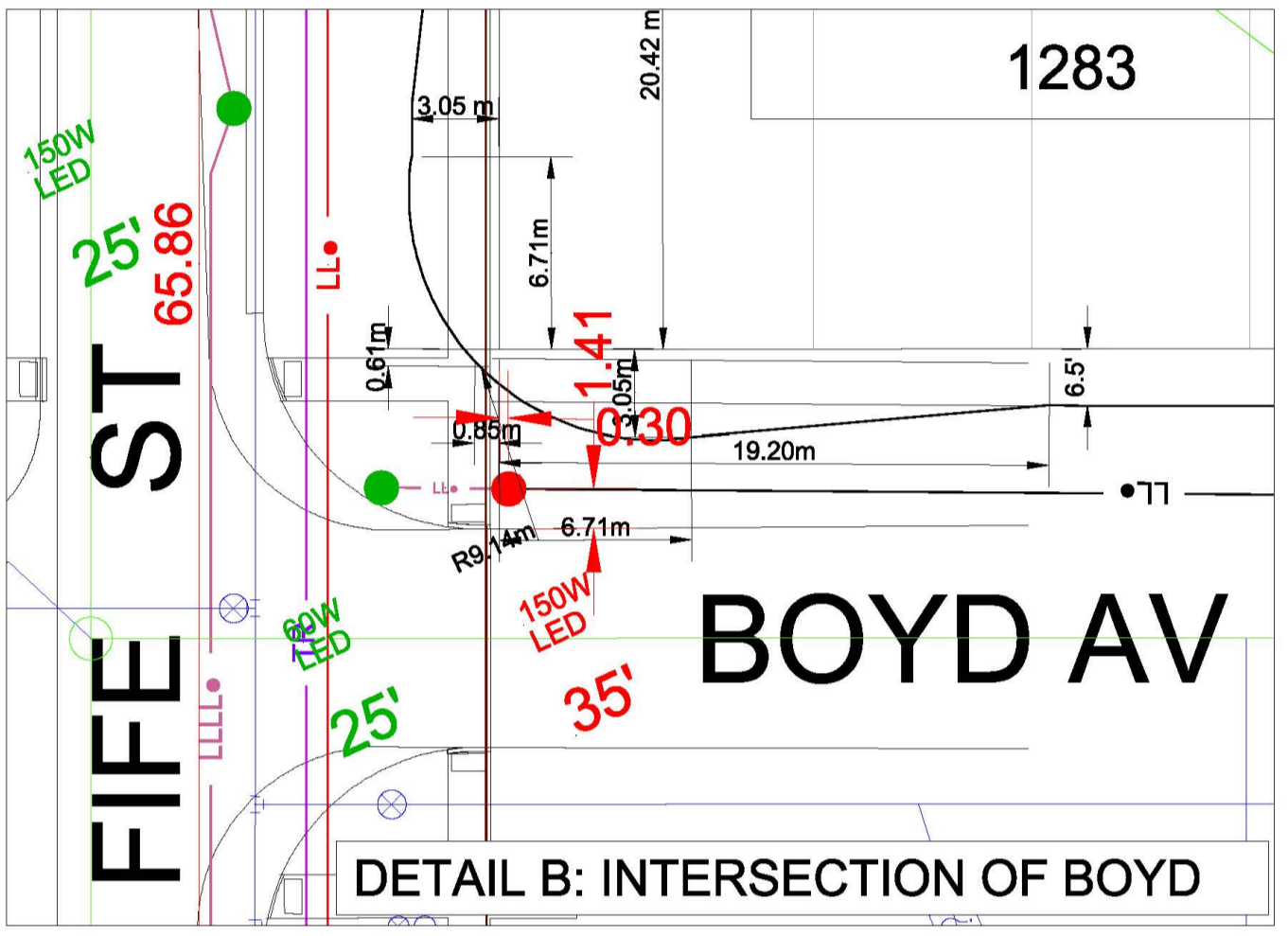
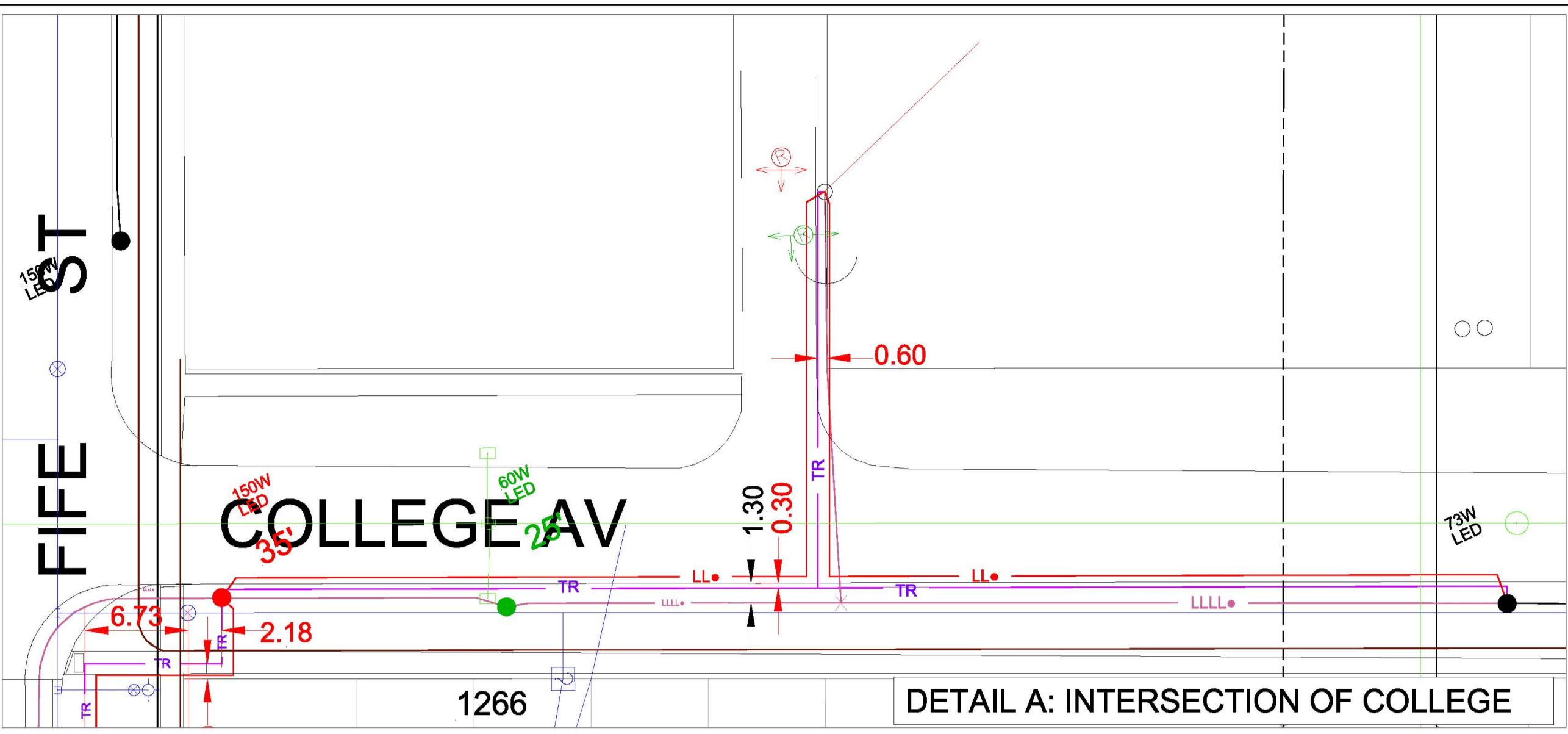
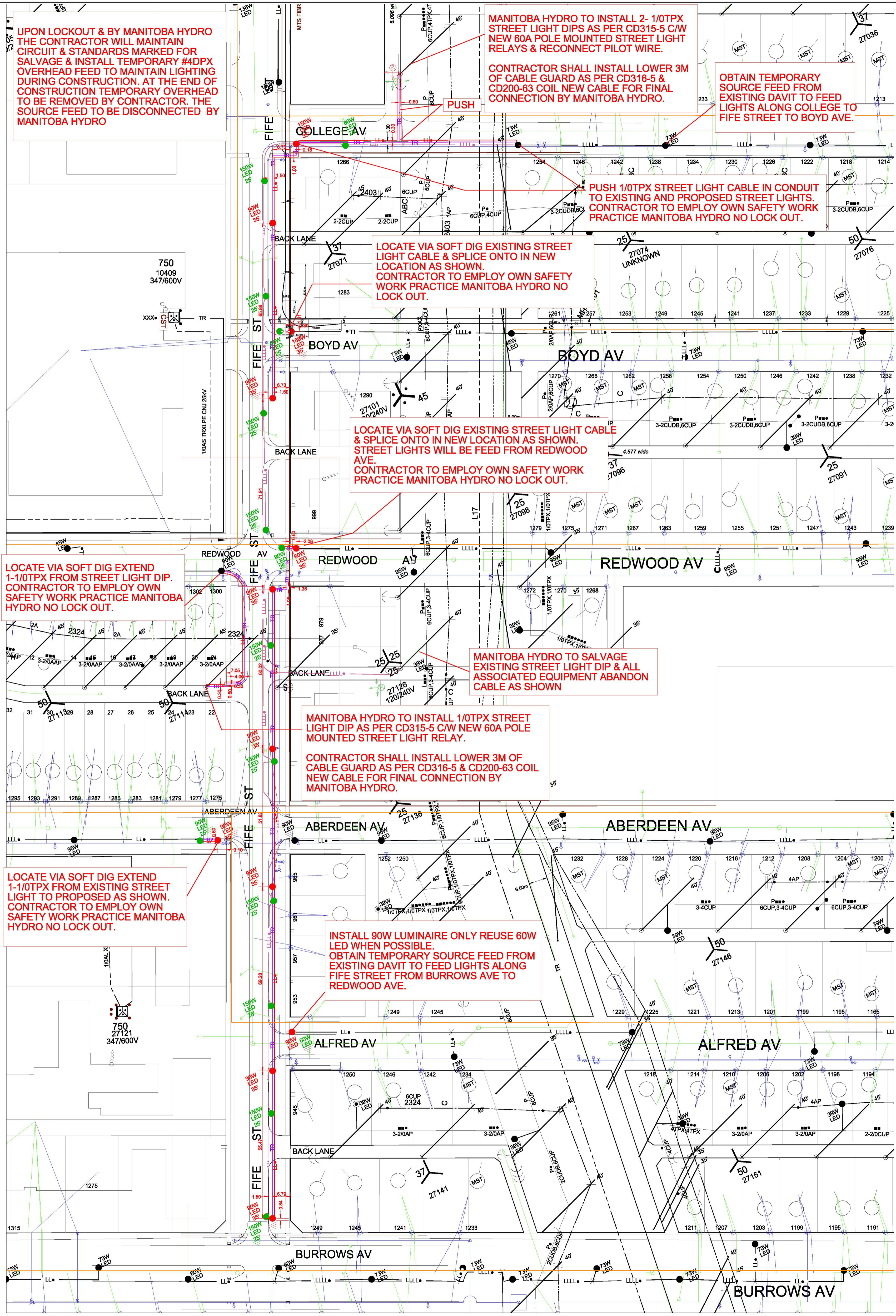
- CITY OF WINNIPEG EXCAVATION STANDARDS**
- BEFORE EXCAVATION FOR INSTALLATION OF HYDRO UNDERGROUND PLANT, DEPTH AND LOCATION OF OBSTRUCTIONS MUST BE DETERMINED.
 - BEFORE COMMENCING WORK, ALL UTILITIES ARE TO BE CONTACTED FOR CLEARANCES.
 - CONCRETE SAW TO BE USED TO CUT PAVEMENT (FULL DEPTH)
 - THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL REPAIRS TO STREETS, CURBS, BOULEVARDS, SIDEWALKS, FENCES, AND ANY OTHER PROPERTY DAMAGED DURING THE COURSE OF CONSTRUCTION.
 - ALL EXISTING STREET EXCAVATIONS TO BE BACKFILLED WITH STABILIZED FILL. SIDEWALK EXCAVATIONS WITH STABILIZED FILL. ALL OTHER EXCAVATIONS TO BE BACKFILLED WITH EXACT FILL.
 - ALL WORK SHALL CONFORM TO MANITOBA HYDRO SPECIFICATIONS.
 - MINIMUM 12 METERS COVERING CABLES AT DITCH BOTTOM. RESTORE AND REGRADE DITCH.

****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.

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**

INFORMATION PERTAINING TO THE SIZE, TYPE 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



MANITOBA HYDRO SHALL CUT, CAP & ABANDON ORIGINAL FEED TO THE STREET LIGHTS PROPOSED TO REMOVAL. ALL FINAL CONNECTIONS WILL BE COMPLETED BY MANITOBA HYDRO.

INSTALL PROPOSED STREET LIGHTS ON THE NEW TRENCH ALIGNMENTS AS SHOWN

INSTALL PROPOSED DAVITS ON BREAK-AWAY BASES AS PER CD300-10.

INSTALL NEW GROUND RODS AS PER CD50-5

PRELIMINARY NOT TO BE USED FOR CONSTRUCTION

INSTALLED			
Quantity	Fixture Type	Wattage	Pole Type
2	LED	150	EXCLUSIVE
9	LED	90	EXCLUSIVE
1	LED	60	EXCLUSIVE

REMOVED			
Quantity	Fixture Type	Wattage	Pole Type
10	LED	150	EXCLUSIVE
2	LED	90	EXCLUSIVE
3	LED	60	EXCLUSIVE

LOCATION	LUMINAIRE	TYPE	HEIGHT	AVG. CONC.	UL RATIO	UL RATIO ALTERN.	MAX. LV. RATIO	MAX. LV. RATIO
FIFE STREET	90W	LED	30	0.6	3.5	0.0	0.4	

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DATE	REVISIONS	BY	CHKD.	APP.

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

DRAWING NUMBER	REFERENCE DRAWINGS	DRAWN	CHKD.	APP.
3L-837	CITY OF WINNIPEG APPROVED PLAN	FH		

AREA NUMBER	MANITOBA HYDRO NETWORK #
5203, 5001	4304917

STATION NUMBER	CSC: CITY CENTRE
1523	

FEEDER NUMBER	CUSTOMER SERVICE PROJECT
2324,2403	FIFE STREET ROAD RENEWAL

SYSTEM VOLTAGE	REPLACE STREET LIGHTS ON FIFE STREET BETWEEN COLLEGE AVE AND BURROWS AVE
2.414,16KV	

DATE	1-04707-DE-50000-0401 0001-R1	SHT.	REV.
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