



CONSTRUCTION NOTES

1 THE 4160V FEEDER CABLES TO TRANSFORMERS LST-4 AND LST-5 ARE BELIEVED TO BE SIGNIFICANTLY LARGER THAN THE 2/0 AWG SHOWN ON THE DRAWING. THE CABLES MAY BE 350 KCMIL TO MATCH THE SIZE FOR UVT-2 AND UVT-3. CONFIRM THE CONDUCTOR SIZE, PROVIDE ALL APPROPRIATE MATERIAL FOR THE CORRECT CABLE SIZE, AND MARK UP THE AS-BUILTS WITH THE CORRECT CABLE SIZE.

SPECIFIC NOTES

1 THE TAP SETTING FOR THE CONTROL POWER TRANSFORMERS (CPT) HAS NOT BEEN CONFIRMED. 92.5, 100, AND 107.5% SETTINGS ARE AVAILABLE AS PER THE SHOP DRAWINGS.

2 THE NEUTRALS OF TRANSFORMERS UVT-2 AND UVT-3 ARE TIED TOGETHER THROUGH THE DOWNSTREAM 480/277V SWITCHGEAR.

NOTES:

- THIS DRAWING SUPERCEDES PART OF 1-101U-E0001-001.
- THIS DRAWING IS BASED UPON EXISTING DOCUMENTS AND HAS NOT BEEN VALIDATED WITH A THOROUGH INSPECTION.



1-0101A-E0004-001	ELECTRICAL SINGLE LINE DIAGRAM LEGEND & DETAILS
1-0101-ESLD-E002	SUBSTATION - ELECTRICAL BUILDING, 66kV AND 12.47kV DISTRIBUTION
1-0101-ESLD-E004	SUBSTATION - ELECTRICAL BUILDING, 4160V DISTRIBUTION
1-0101U-E0015-001	UV BUILDING, 480 V DISTRIBUTION
1-0101U-E0016-001	UV BUILDING, 600 V & 208/120 V DISTRIBUTION
DRAWING NUMBER	REFERENCE DRAWINGS

8.M. ELEV.	FIELD BOOK #:		
POSTED TO LBIS			
04	ISSUED FOR CONSTRUCTION (152-2023)	2023-02-28	CJR
03	REVISED AS PER EXISTING	2021-05-05	CJR
02	REVISED PER SITE INVESTIGATION JULY 2016	2017/02/22	DB
01	REVISED DRAWING NUMBER; WAS 1-0101U-F-E0007	2008/03/03	EFB
00	ISSUED FOR CITY USE	2007/07/05	CJR
PA	ISSUED FOR REVIEW	2007/02/19	CJR
NO.	REVISIONS	DATE	BY

	DESIGNED BY	EXISTING	CHECKED BY	CJR
	DRAWN BY	DEB	APPROVED BY	
	HOR. SCALE	NTS	RELEASED FOR CONSTRUCTION	
	VERTICAL			
	DATE	2006/07/07	DATE	
	FILENAME:			

ENGINEER'S SEAL

REV. 04 CHANGES ONLY

THE CITY OF WINNIPEG
 WATER AND WASTE DEPARTMENT

NORTH END WATER POLLUTION CONTROL CENTRE
 UV DISENFECTION
 SINGLE LINE DIAGRAM
 4160V ELECTRICAL DISTRIBUTION

CITY DRAWING NUMBER	SHEET	REV.	SIZE
1-0101U-E0013	001	04	A1