



OPERATION 4
 INSTALLATION OF FUSED SWITCH AND BUS TRANSITION ON EAST SIDE OF 5kV SWITCHGEAR
 REMOVAL OF TEMPORARY CABLE
 STATION SHUT DOWN REQUIRED UP TO 8 HOURS

Operation #4

1. All required bus transitions shall be provided by the equipment supplier, which shall be Schneider and Benshaw. The two suppliers or their designate shall coordinate their respective work to provide fully functioning switchgear sections and associated components, which shall be assembled on site by the electrical Contractor. Provide and install all necessary bus transitions to furnish complete and fully functioning 5 kV switchgear at the Deacon Booster Pumping Station. All switchgear sections shall have 350 MVA fault rating. Provide and supply special bracing for all switchgear sections, which need to be moved in and out of the place to allow the sections to be moved in horizontal position.

2. Remove the safety barrier on the existing fused switch for the 500kVA transformer.
3. Install relocated tie switch and remaining fused switch.
4. The 1200A 5kV Vacuum Breaker shall remain open and de-energized.
5. Remove the safety barrier from the west side of the 300kVA transformer fused switch.
6. Remove the existing temporary cable installed from bus on existing 5kV Switch for 500kVA transformer and make good bus work.
7. Terminate Service Conductor #1
8. Open tie switch and close Incoming Breaker #1

SUPPLY TO CHLORINATION SYSTEM AND OTHER 600V LOADS
 FUSE SWITCH TO 500kVA TRANSFORMER
 500kVA TRANSFORMER

SUPPLY TO THE UV SYSTEM

 Certificate of Authorization Earth Tech Canada Inc. No. 730	B.M. ELEV.	 Frederickson Cooper ARCHITECTS	 A Type International Ltd. Company	ENGINEER'S SEAL		 THE CITY OF WINNIPEG WATER AND WASTE DEPARTMENT ENGINEERING DIVISION	WATER TREATMENT PLANT DEACON BOOSTER PUMP STATION UPGRADE	CITY FILE NUMBER	
				DESIGNED BY: GSN	CHECKED BY: GSN			ORIGINAL SIGNED BY: P. STRYK	SHEET OF
				DRAWN BY: ERC/CPG	APPROVED BY: AHL			2007/03/19	CITY DRAWING NUMBER
				SCALE: N.T.S.	RELEASED FOR CONSTRUCTION BY: R. SOROKOWSKI			CONSULTANT DRAWING NO. WD-E0413	1-06010-G-E0413-001-010
	NO. REVISIONS	DATE	BY	DATE	DATE	ELECTRICAL SWITCHGEAR REPLACEMENT AND UPGRADE SEQUENCE OF OPERATIONS			