The City of Winnipeg Tender No. 1271-2019

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APPENDIX 'F'

MANITOBA HYDRO JOB PLAN

▲ Manitoba Hydro

JOB PLAN - ENGINEERING & CONSTRUCTION Underground Construction - Winnipeg

1. EMERGENCY RESPONSE PLAN							
Identify exact location	n for emergenc	y response:	Emergency phor	ne numbers:			
How will you execute	a rescue?		VHF: 040	369, 204-474-30	007, 204-474-3327 eakey - 204-871-20		
INSTRUCTION: Pr	epare, discus	ss and review the jo	b plan with the	crew daily a	nd whenever a	change is introduce	ed to the job.
2. CURRENT DATE CSC and Radio Chan	/ mm dd F	Project name	Work Order no.	Description			Phone no.
3. HAZARD IDENT							
 Mechanical 1.1 Equipment fai 1.2 Lifting with a b 1.3 Max work load 1.4 Vehicle stabili 1.5 Moving parts/3 1.6 Tension loads 	boom ds ty Sharp objects	2. E lectricity 2.1 Live contact l 2.2 Live contact l 2.3 Induction/bac 2.4 Induction/bac 2.5 Static charge 2.6 Step potentia 2.7 ARC Flash po 2.8 Clothing igniti FRC required 2.9 Lockout/Tago	_V kfeed HV kfeed LV I otential on hazard/	3.2 Fallin 3.3 Fallin 3.4 Riggii	g from a height g objects g structures ng failure ing over water	 4. Applicable 4.1 Vehicular 4.2 Kenetic 4.3 Thermal 4.4 Chemical 4.5 Confined Space 4.6 Excavations 4.7 Vehicle or pede 4.8 Underground I 4.9 Other, specify 4.9.1 	lestrian traffic Jtilities
Hand contact:	Incident energy	V -	ARC flash bound	darv -	AF	RC Flash PPE Level -	
Hot stick Work:	Incident energy					RC Flash PPE Level -	
4. JOB STEPS			MAJOR HAZARDS		RS	n Hard Hat and Safety Foot L OTHER REQUIRED PPE including eyewear. Yes No	(LO/TO)
	REVIEWED BY		DATE yyyy mm dd]			

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5. HAVE WE CONSIDERED (It is critical that we make note of any changes that may occur during the work cycle)						
People	Procedures	Hardware/Equip	nent	Environment	Workers Affect on Environment	
Qualification of personnel Other work groups/ contractors Effective Communication Worker fatigue Pedestrian control General public Traffic control Safety watcher	Limits of approach De-energize/Isolation of apparatus Safety hold off/ Blocking required Switching orders Adequate cover-up Grounding apparatus and vehicles Work permit/ Clearance to work Permit checklists (soft dig, confined space, etc.) Review rescue procedures Spiking/Stethoscoping Cut Hazards/Cut Resistant Gloves AT ARE THE CHANGES?	up-to-date	tools & PPE vehicles structures r rigging ver-up pools -	 Environment checklist Underground locates Weather conditions Soil conditions/Shoring Lighting conditions Adjacent structures/ Vegetation Housekeeping Emergency plan/ procedure Open excavations/ Trench Distractions and Interuptions 	Cause erosion Release/spills (liquids/gases/solids) Waste disposal liquids/solids) Noise Fire Species at risk (plant and animal) Disturbing waterways/ drainage/wetlands/ burial grounds Wildlife Habitat Bio Security	
WHAT ARE THE CHANGES!				HOW WILL THIS AFFECT		

6. HUMAN ERROR REDUCTION TOOLS (Consider which HER Tools you need to safely execute task or Critical Steps)						
Stop When Unsure / Know When to Stop Stop when unclear on task / outcomes	Procedure Use and Adherence Verify correct / accurate procedure	Self Check STAR Stop / Think / Act / Review				
Questioning Attitude Identify confusion / doubt / uncertainty	Effective Communication Send message / paraphrase back / acknowledge					

7. PERSONS WORKING ON THE JOB

Designated person in charge (Print Name):		Crew cell no.:	Designated person in charge (Signature):	yyyy mm dd Date:
Print Full Names	of Crew Members:			
yyyy mm dd		Initial/Sig	gn off for Tailboard Discussion	

8. OTHER CREWS AND VISITORS Be aware of all work crews in the area.		Multi-crew job coordinator	Cell phone:
WHAT OTHER CREWS ARE ON SITE	PER	SON IN CHARGE	HOW WILL THEIR JOB AFFECT YOURS

Any visitors to your site shall read and sign your Plan.

WORKSITE VISITOR SIGN OFF	DATE yyyy mm dd	WORKSITE VISITOR SIGN OFF	DATE yyyy mm dd