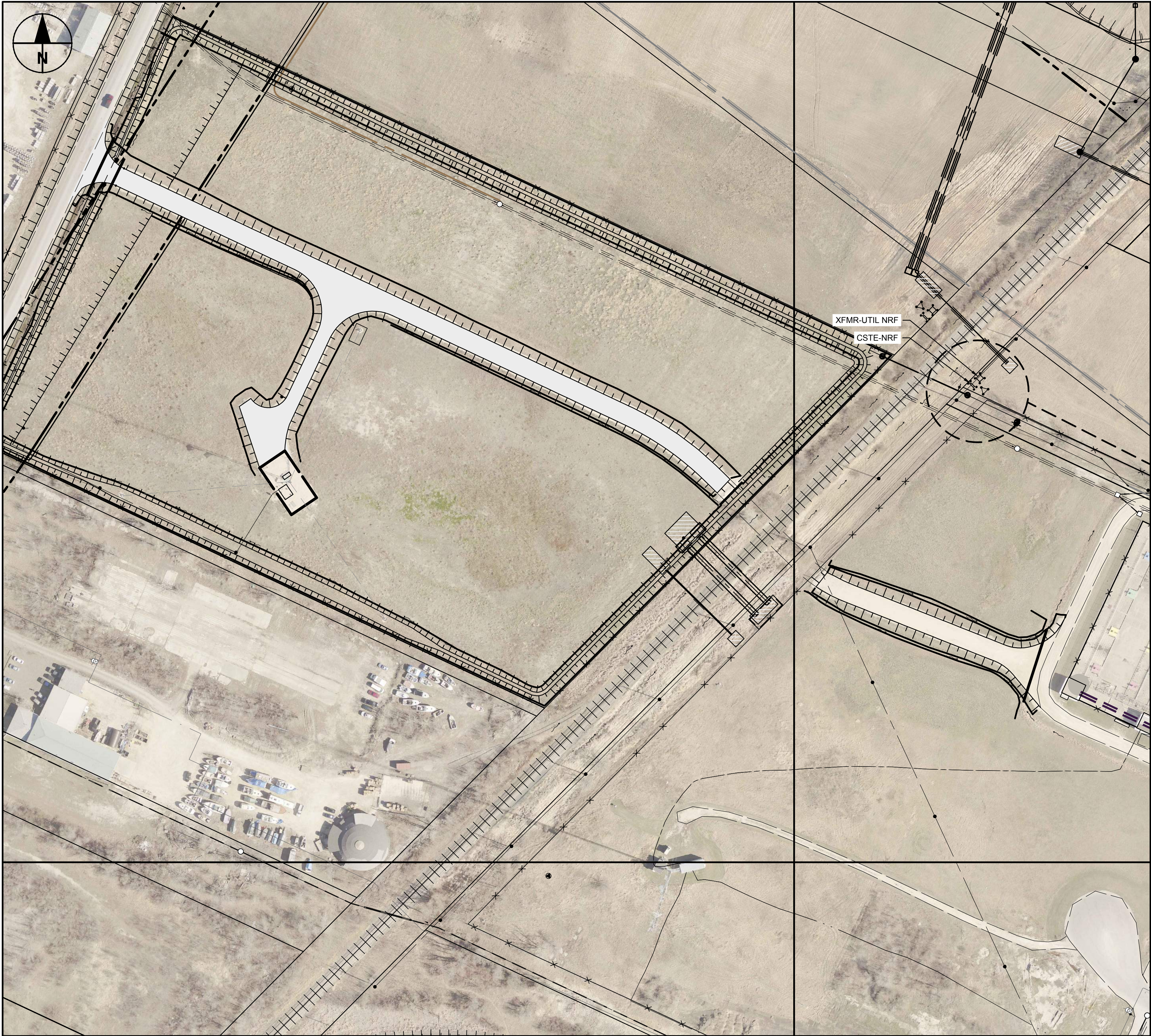


**ENGINEERS
GEOSCIENTISTS
MANITOBA**
Certificate of Authorization
AECOM Canada ULC
No. 4671

ENGINEER'S SEAL	 THE CITY OF WINNIPEG WATER AND WASTE DEPARTMENT		
	NEWPCC - NUTRIENT REMOVAL FACILITIES CONSTRUCTION POWER AND CSTE WORK ELECTRICAL LEGEND		
CITY DRAWING NUMBER	SHEET	REV.	SIZE
-	001	00	A1

LAST SAVE: 2026/02/05 2:08 PM
PATH: C:\Users\johnd\OneDrive\AECOM\City of Winnipeg - NEWPCC Upgrades 2026\Project Files\900 Design Collaboration\00 Common Files\919-E002 SITE PLAN\DETAIL.dwg



SITE PLAN
SCALE: 1:1000



DETAIL VIEW
SCALE: 1:100

**ENGINEERS
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METRIC
WHOLE NUMBERS INDICATE MILLIMETRES
DECIMALIZED NUMBERS INDICATE METRES

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NO.	REVISIONS	DATE	DESIGN CHECK

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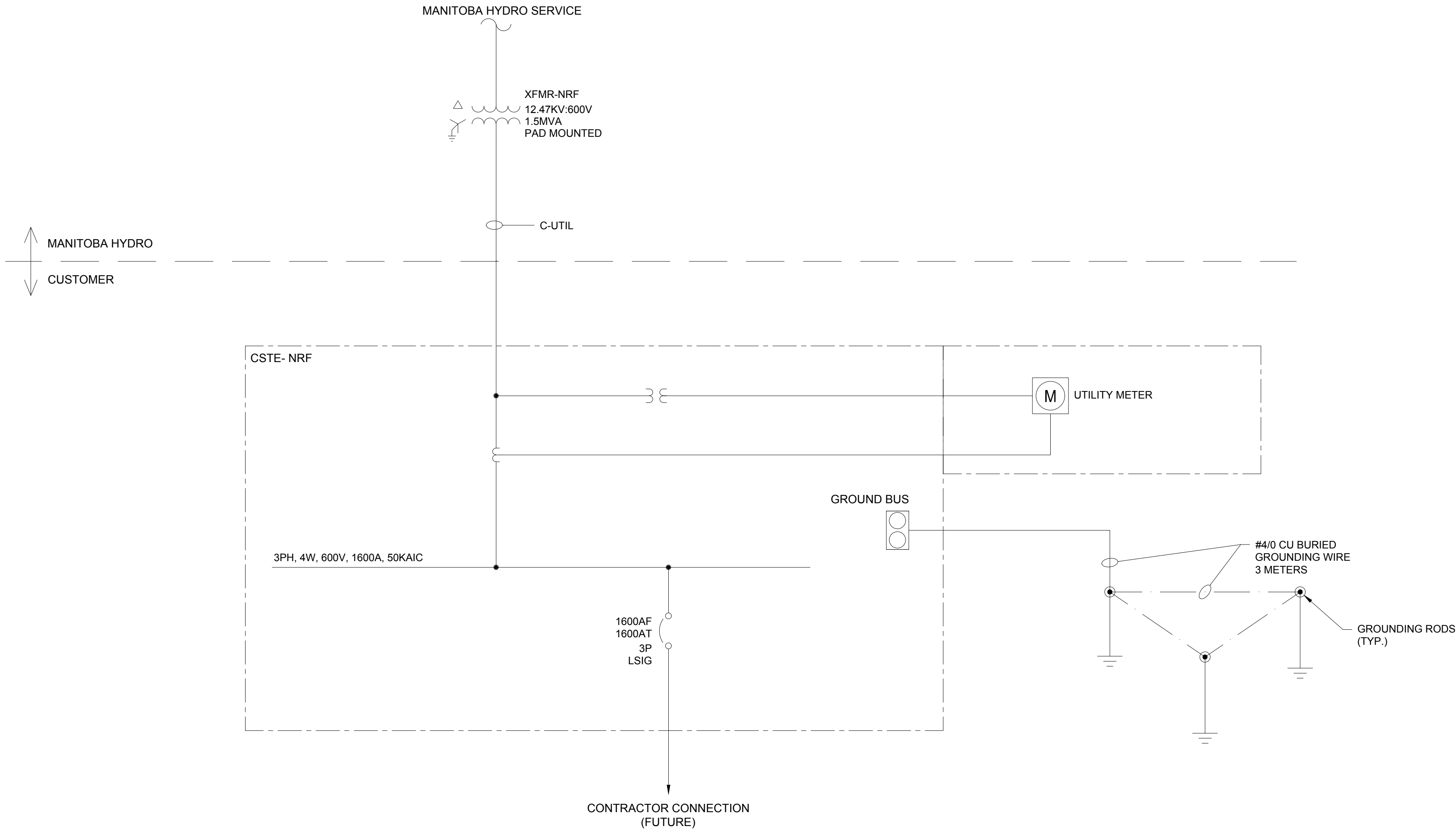
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CONSULTANT NO.: YN-E002	

ENGINEER'S SEAL

THE CITY OF WINNIPEG
WATER AND WASTE DEPARTMENT

NEWPCC - NUTRIENT REMOVAL FACILITIES
CONSTRUCTION POWER AND CSTE WORK
ELECTRICAL
SITE PLAN & DETAIL

CITY DRAWING NUMBER	SHEET	REV.	SIZE
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SINGLE LINE DIAGRAM

MANITOBA HYDRO SCOPE NOTE:

1. PROVIDE AND INSTALL NEW 1.5MVA 12.47KV:600V PAD MOUNT TRANSFORMER.
2. PROVIDE AND INSTALL NEW UTILITY CABLES (QUANTITY 1C x 11, 1000 MCM ALUMINUM) FROM MANITOBA HYDRO PAD MOUNT TRANSFORMERS TO CSTE ENCLOSURE.
3. PROVIDE AND INSTALL POTENTIAL TRANSFORMERS, CURRENT TRANSFORMERS AND METER IN THE CSTE METERING COMPARTMENT.
4. COORDINATE WITH CITY OF WINNIPEG AND CONTRACTOR FOR EXCAVATIONS AND SITE RESTORATION FOR CABLING INSTALLATION.

CONSTRUCTION NOTE:

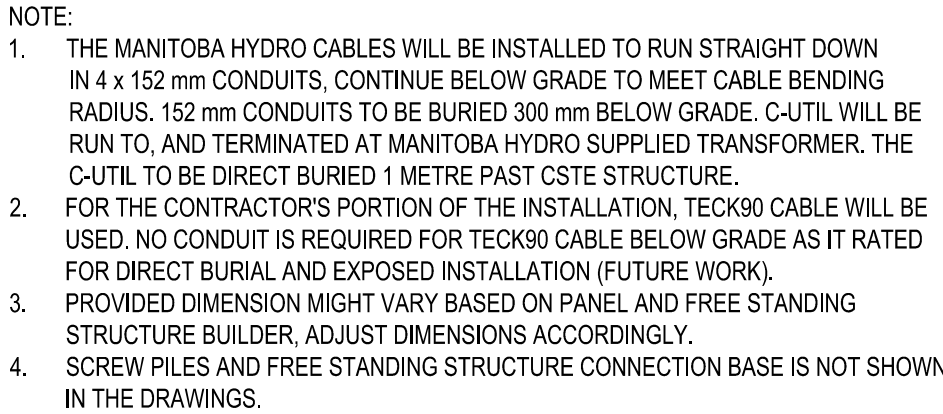
1. CONTRACTOR PROVIDE AND INSTALL NEW 600VOLT CUSTOMER SERVICE TERMINATION ENCLOSURE WITH METERING COMPARTMENT (CSTE-NRF).
2. COORDINATE WITH MANITOBA HYDRO FOR THE INSTALLATION OF THE NEW SERVICE.
3. PROVIDE AND INSTALL 4 X 152 mm CONDUITS TO ROUTE C-UTIL CABLE INTO CSTE, PROVIDE INSTALLATION AS PER DETAIL DRAWINGS.
4. CONTRACTOR TO PROVIDE AND INSTALL GROUND RODS, CONDUCTORS AND STRUCTURE.

GENERAL NOTE:

1. ALL EQUIPMENT SHOWN ON THIS DRAWING BELOW THE "MH-CUSTOMER" LINE, EXCLUDING THE C-UTIL CABLE (PROVIDED BY MANITOBA HYDRO), IS NEW AND PROVIDED BY THE CONTRACTOR.
2. ALL CONDUITS ARE PVC.
3. ALL ELECTRICAL EQUIPMENT IS SECURED WITH PADLOCKS.
4. CONTRACTOR MUST COMPLY WITH THE LATEST CANADIAN ELECTRICAL CODE REQUIREMENTS FOR ALL ELECTRICAL INSTALLATION WORK.
5. PROVIDE BONDING TO FREE STANDING STRUCTURE PER CEC CODE REQUIREMENT.



								ENGINEER'S SEAL				 THE CITY OF WINNIPEG WATER AND WASTE DEPARTMENT			
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BILL OF MATERIAL		
ITEM	QTY	MATERIAL DESCRIPTION
1	1	CSTE METERED SECTION 1600 AMP 347/600 VOLT 3 PHASE 4 WIRE 50 KA c/w PROVISIONS TO SUIT UTILITY CT'S AND PT'S
2	1	HINGED OUTER DOOR OVER CSTB SECTION CW 3 POINT PADLOCKING HANDLE
3	1	1600 AMP 3 POLE LSG BREAKER 80 % RATED 50 KAIC WITH BREAKER LOCK OFF
4	1	1600 AMP NEUTRAL CT
5	1	200 WATT HEATER C/W STAT /DIN RAIL MOUNT BREAKER
6	1	ANTI-CONDENSATE ROOF
7	1	HINGED OUTER DOOR WITH 3 POINT PADLOCKING HANDLE
8	1	FACTORY ASSEMBLED AND WIRED SERVICE ENTRANCE APPROVED ALUMINUM BUS BAR
9	1	POWDER COATED ASA 61 GREY INCLUDES RMC501 METER CABINET – SUPPLIED LOOSE
10	1	CSTE FREE STANDING SUPPORT STRUCTURE
11	6	CSTE SUPPORT CONNECTION BASE TO SCREW PILES

								ENGINEER'S SEAL				 THE CITY OF WINNIPEG WATER AND WASTE DEPARTMENT											
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