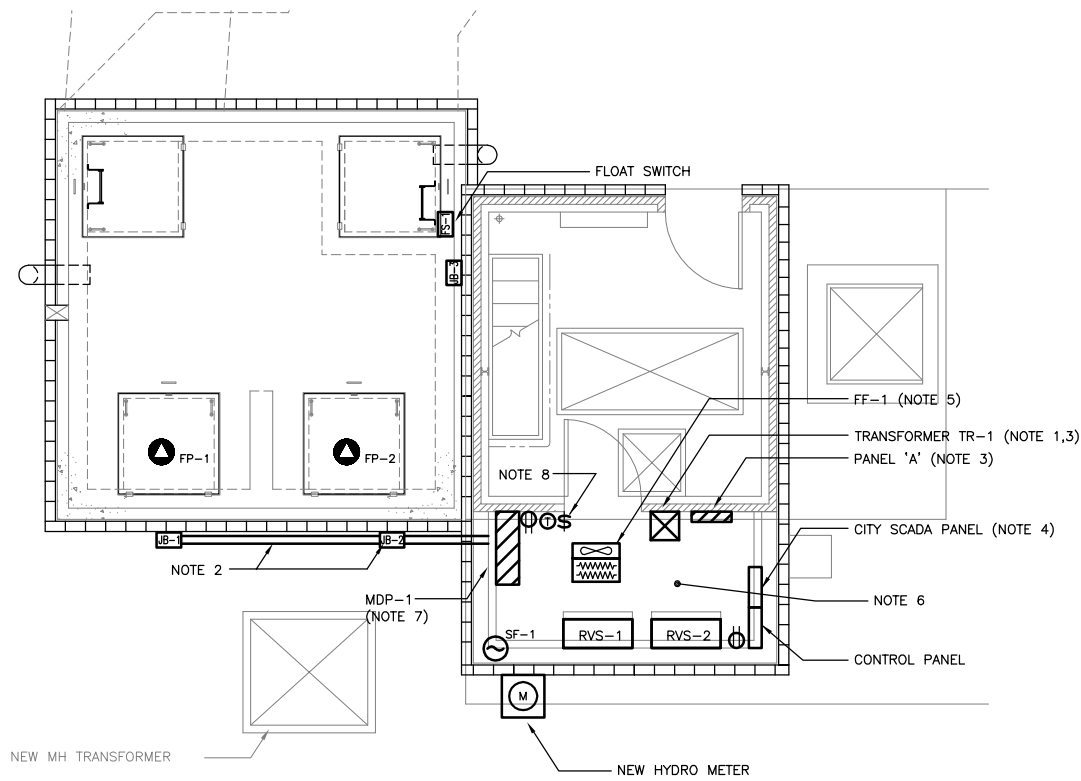




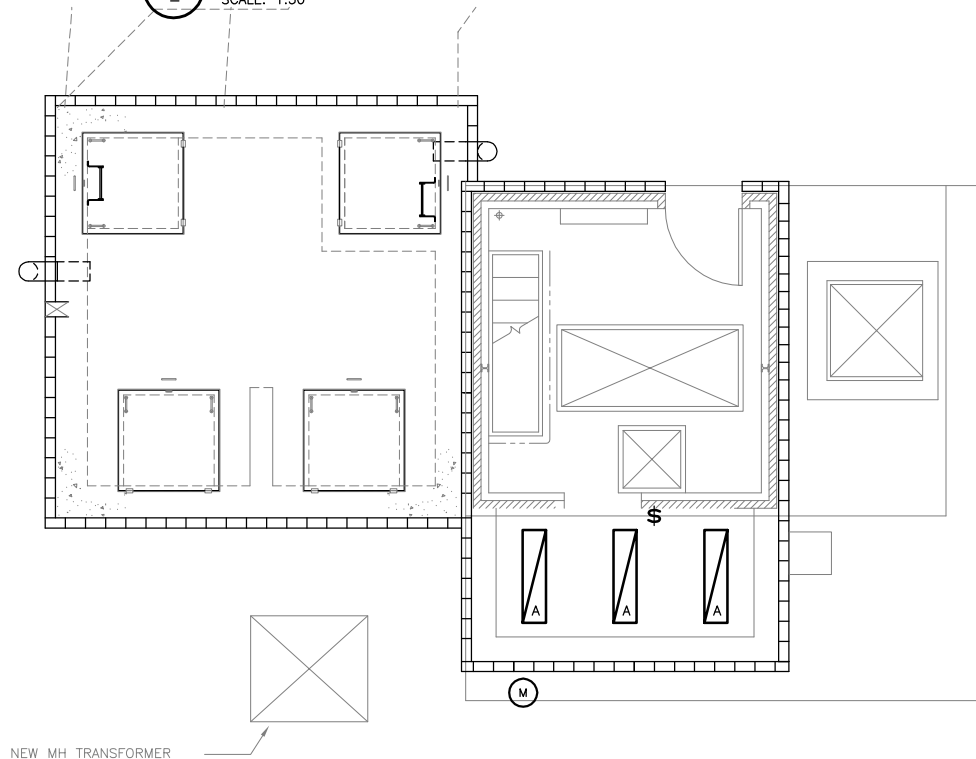
CONSTRUCTION NORTH



NOTES:

1. TRANSFORMER TR-1 SHALL BE WALL MOUNTED AT OVERHEAD ELEVATION.
2. ROUTE MAIN FEEDER CONDUITS INTO BUILDING.
3. CO-ORDINATE LOCATION OF EQUIPMENT WITH VENTILATION EQUIPMENT.
4. CITY WILL TURN OVER SCADA PANEL FOR THE CONTRACTOR TO MOUNT WITHIN THE ELECTRICAL ROOM. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONNECTION OF THE CONTROL CABLING AS INDICATED ON THE SCHEMATIC, PROVIDING POWER TO THE PANEL AND CONNECTION OF THE PHONE LINE. THE CITY SHALL PERFORM ALL OTHER REQUIRED CONFIGURATION AND COMMISSIONING OF THE PANEL.
5. FF-1 SHALL BE A CEILING/SURFACE MOUNTED FORCE FLOW HEATER SUPPLIED BY THE CONTRACTOR RATED AT 2250W. THE HEATER SHALL BE COMPLETE WITH ALL REQUIRED SURFACE MOUNT ACCESSORIES AND AN INTERGAL THERMOSTAT SET TO MAINTAIN 15 DEGREES CELSIUS IN THE ROOM. THE UNIT SHALL BE AN OULLETTE OACP OR APPROVED EQUAL.
6. ALL WIRING WITHIN THE ELECTRICAL ROOM SHALL BE RUN IN RIGID PVC CONDUIT.
7. MDP-1 LOCATION SHALL BE CO-ORDINATED WITH INSTALLATION OF SF-1. MDP-1 SHALL BE MAXIMUM 38" WIDE.
8. LOCATION OF JB-3 RECEPTACLE SWITCH.

1 PUMP STATION POWER PLAN
SCALE: 1:50



LUMINAIRE SCHEDULE				
TYPE	DESCRIPTION	VOLTAGE	LAMPS	APPROVED MANUFACTURERS
A	CHAIN SUSPENDED FLUORESCENT INDUSTRIAL LUMINAIRE c/w SLOTTED REFLECTOR AND ELECTRONIC BALLAST.	120V	2-32W T8 4100°K	LITHONIA LIGHTING: RIU 2 32 120 GEB10RS CSA

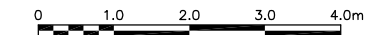
SUPPLY: 120/208V 3Ø 4W MAINS AMPACITY: 100A INCOMING: <input type="checkbox"/> BREAKER <input type="checkbox"/> LUGS MAIN BREAKER REQUIRED: <input type="checkbox"/> YES <input type="checkbox"/> NO MAIN BREAKER AMPS: 60A BUS MATERIAL: <input type="checkbox"/> COPPER <input type="checkbox"/> ALUMINUM BUS AND BREAKER RATING: 10 kA (SYM.) I.C.		NAME PLATE: PANEL 'A'	LOCATION: - MOUNTING: <input checked="" type="checkbox"/> SURFACE <input type="checkbox"/> FLUSH MANUFACTURER: - MODEL NO: - BREAKER: <input type="checkbox"/> PLUG-IN <input checked="" type="checkbox"/> BOLT-ON BREAKER TYPE: -								
CCT	VA	P	BKR	A	B	C	BKR	P	VA	CCT	
1	RECEPTACLE	(2)	-	1	15			15	1	300	SUPPLY FAN SF-1
3	LIGHTING			1	15			15	1		POWER TO CITY SCADA PACK
5	HEATER FOR RVS-1			1	15			1			SPACE
7	HEATER FOR RVS-2			1	15			1			SPACE
9	FF-1 (NOTE 5)			2	15			1			SPACE
11								1			SPACE
13	JB-3 RECEPTACLE			2	20			1			SPACE
15								1			SPACE
17								1			SPACE
19	SPACE			1				1			SPACE
21	SPARE			1	15			15	1		SPACE
23	SPARE			1	15			15	1		SPACE

WARNING

IF POWER EQUIPMENT OR EXPLOSIVES ARE TO BE USED FOR EXCAVATION ON THIS PROJECT THE CONTRACTOR MUST:
 1) NOTIFY THE GAS COMPANY OF THE PROPOSED LOCATION OF EXCAVATION.
 2) TAKE PRECAUTION TO AVOID DAMAGE TO GAS COMPANY INSTALLATIONS.
 SEE PROVINCIAL REGULATION 210/72 FOR DETAILS.

METRIC

WHOLE NUMBERS INDICATE MILLIMETRES
 DECIMALIZED NUMBERS INDICATE METRES



SCALE: 1:50 METRIC A1
 1:100 METRIC A3

2 PUMP STATION LIGHTING PLAN
SCALE: 1:50



LOCATION APPROVED UNDERGROUND STRUCTURES SUPPLY U/O STRUCTURES COMMITTEE DATE NOTE: LOCATION OF UNDERGROUND STRUCTURES AS SHOWN ARE BASED ON THE BEST INFORMATION AVAILABLE BUT NO GUARANTEE IS GIVEN THAT ALL EXISTING UTILITIES ARE SHOWN OR THAT THE GIVEN LOCATIONS ARE EXACT. CONFIRMATION OF EXISTENCE AND EXACT LOCATION OF ALL SERVICES MUST BE OBTAINED FROM THE INDIVIDUAL UTILITIES BEFORE PROCEEDING WITH CONSTRUCTION.	B.M. XX-XXX ELEV. XXX.XXX	KGS GROUP CONSULTING ENGINEERS & PROJECT MANAGERS WINNIPEG (204) 896-1209 THUNDER BAY (807) 345-2233	ENGINEER'S SEAL ORIGINAL DRAWING SIGNED BY A. PAWLKIEWICH 05/12/07	THE CITY OF WINNIPEG WATER & WASTE DEPARTMENT HAWTHORNE FLOOD PUMPING STATION UPGRADE ELECTRICAL POWER AND LIGHTING	SHEET 23 OF 24
	DESIGNED BY AP CHECKED BY REW		CAD FILE DRAWING NUMBER 05-0107-13		
	DRAWN BY GCN APPROVED BY		CITY DRAWING NUMBER LD-3260		
	HOR. SCALE: AS NOTED RELEASED FOR CONSTRUCTION:		CONSULTANT DRAWING NO. 05-0107-13_23		
0 ISSUED FOR CONSTRUCTION 05/12/07 AP	NO. REVISIONS DATE BY	DATE 05/11/08	DATE		