



1 POOL HEATING SCHEMATIC  
M3 SCALE: NTS

**KEY NOTES**

- 1 EXISTING 3" Ø PVC INJECTION LOOP FROM MAIN POOL RETURN.
- 2 BALANCE POOL HEATER INJECTION LOOP TO 68 gpm.
- 3 LOCATE ALL DIALS IN AN ACCESSIBLE AND VISIBLE LOCATION
- 4 HOT WATER HEATING LOOP TO BE COMPLETE WITH THERMAL PIPE INSULATION
- 5 DISCHARGE OVER EXISTING FLOOR DRAINS.
- 6 TEMPERATURE SENSORS IN HOT WATER SUPPLY FROM BOILERS. B-1 SETPOINT TO BE 86 F. B-2 SETPOINT TO BE 82 F. BOILERS TO MODULATE STAGES TO MAINTAIN SETPOINTS. PUMPS PU-1 AND PU-2 TO BE CONTROLLED OFF THE BOILER CONTROL POINTS TO RUN WHEN RESPECTIVE BOILERS ARE OPERATING.
- 7 BUTTERFLY VALVES.

**SYMBOLS**

	SHUT-OFF VALVE
	CONTROL VALVE
	THREE WAY CONTROL VALVE
	CHECK VALVE
	GATE VALVE
	GLOBE VALVE
	PRESSURE REDUCING VALVE
	PRESSURE RELIEF VALVE
	TEMP. & PRESSURE RELIEF VALVE
	BUTTERFLY VALVE
	UNION
	FLANGE
	STRAINER
	BACK FLOW PREVENTOR
	REVERSE PRESSURE BACK FLOW PREVENTOR
	TRIPLE DUTY VALVE
	DIRECTION OF FLOW
	MANUAL AIR VENT
	PRESSURE GAUGE
	THERMOMETER
	INSTRUMENT TEST WELL
	PUMP

0 07-03-29 FOR TENDER AND CONSTRUCTION

No. DATE ISSUANCE  
Seal



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**CITY OF WINNIPEG BUILDING SERVICES**

Project: ELMWOOD KILDONAN & SEVEN OAKS POOLS  
POOL BOILER REPLACEMENT  
BID OPPORTUNITY# 275-2007

Sheet Title: **POOL HEATING SCHEMATIC**

AS NOTED

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**M-3**