

LINE TYPE

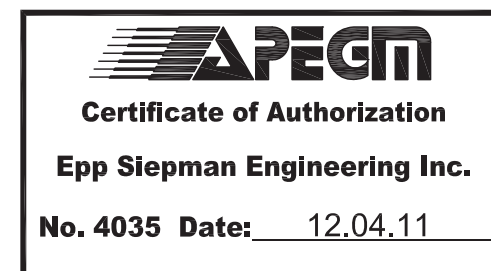
-----	DOMESTIC COLD WATER
-----	DOMESTIC COLD WATER - EXISTING
-----PS-----	POOL WATER SUPPLY - NEW
-----PS-----	POOL WATER SUPPLY - EXISTING
-----PR-----	POOL WATER RETURN - NEW
-----PR-----	POOL WATER RETURN - EXISTING
-----	POOL WATER - TO BE REMOVED
---HWR---	HEATED POOL WATER RETURN
---HWS---	HEATED POOL WATER SUPPLY

SYMBOLS

	SHUT-OFF VALVE
	CHECK VALVE
	CONCENTRIC REDUCER
	PRESSURE REDUCING VALVE
	TEE
	BALL VALVE
	BUTTERFLY VALVE
	UNION
	FLANGE
	STRAINER
	REVERSE PRESSURE BACK FLOW PREVENTER
	DIRECTION OF FLOW
	PRESSURE GAUGE
	PUMP
	WATER METER
	PIPE RISE
	PIPE DROP
	FIXTURE TAG
	GENERAL NOTE
	DEMOLITION NOTE
	DRAWING HEADER

GENERAL NOTES

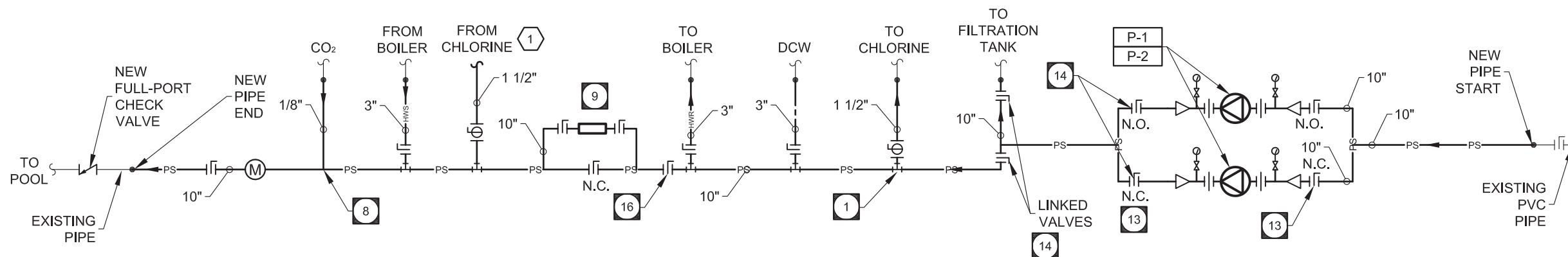
- ALL NEW PIPING TO BE SCH. 80 PVC, CERTIFIED FOR USE WITH POOL WATER.
- INSTALL ALL NEW HANGERS ON NEW AND RELOCATED PIPE. CONNECT TO UNDERSIDE OF STRUCTURE.
- PROVIDE COUPLINGS BETWEEN STEEL AND PVC PIPE WHERE CONNECTIONS ARE MADE TO EXISTING SYSTEM.
- KEY NOTES ON M-2 ARE REFERENCED ON ALL DRAWING PAGES.



CIRCULATION PUMP SCHEDULE

MARK	MAKE/MODEL	PUMP TYPE	SIZE	Impeller Size		SERVES	FLOW		HEAD		NPSHr	MOTOR		VOLTAGE	SUCTION	DISCHARGE	NOTES
				mm	in		lpm	gpm	kPa	ft		kW	HP				
P-1 & 2	(based on) B & G Series 1510	End Suction Base Mounted	6G	340	13.375	POOL	4997	1320	209	70	9.24	30	40	575/3	8	6	1,2,3

1. Confirm voltage with electrical drawings.
2. Duty/Standby - Manual change over of pumps
3. Pumps for use with chlorinated pool water. Pump to be supplied with wetted parts coated with appropriate epoxy coating.



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M-4 PIPING SCHEMATIC
SCALE: N.T.S.

1	ADDENDUM 1	DE	12.04.12
0	FOR CONSTRUCTION	DE	12.04.05
NO.	REVISION/DESCRIPTION	BY	DATE

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DRAWN BY	CAD	CHECKED BY	APPROVED
DATE	2012.04.04	USER APPROVAL	

Winnipeg CITY OF WINNIPEG
 PLANNING, PROPERTY AND
 DEVELOPMENT DEPARTMENT
 CIVIC ACCOMMODATIONS DIVISION
 300 - 65 GARRY ST. R3C 4K4

PROJECT
 ULTRAVIOLET SYSTEM
 AND PUMP UPGRADES
 909 CONCORDIA AVE.

SHEET TITLE
 SCHEMATIC
 AND LEGENDS

SCALE	PROJECT NO.	SHEET NO.
AS SHOWN	118-2012	M-4 R1