



**KEY NOTES**

- 1 NEW DRAIN PIPE TO BE ROUTED BELOW BACK FLOW PREVENTERS WEST AS SHOWN AND ROUTE BELOW EXISTING BOILER. BOILER NOT SHOWN. TERMINATE OVER EXISTING FLOOR DRAIN.
- 2 DEMOLISH EXISTING 100MM CONNECTION FROM TEE BELOW FIRE PROTECTION TAKE-OFF.
- 3 DEMOLISH EXISTING PIPE, WATER METER, CHECK VALVE FROM TEE AT LOW LEVEL IN MECHANICAL ROOM OVER TO HIGH LEVEL PIPE. INSTALL NEW FLANGES AT CONNECTION TO DURING CONSTRUCTION, INSTALL BLIND ON FLANGE NEAR FIRE PROTECTION TEE AND MAINTAIN WATER SERVICE TO FIRE PROTECTION SYSTEM.
- 4 RECONNECT AT HIGH LEVEL IN MECHANICAL ROOM AT THIS APPROXIMATE LOCATION.
- 5 PROVIDE NEW HOT WATER HEATING PUMP BELOW EXISTING PUMP. REFER TO SCHEMATIC.
- 6 TO FIRE PROTECTION SYSTEM
- 7 RELOCATE EXISTING 200MM ISOLATION VALVE FROM NOTED LOCATION TO THIS APPROXIMATE LOCATION. REPLACE HANDLE TO GEAR AND WHEEL OPERATOR. PROVIDE NEW HANGERS TO SUPPORT NEW VALVE LOCATION. COORDINATE FINAL LOCATION WITH THE CONTRACT ADMINISTRATOR.
- 8 REPLACE EXISTING PRESSURE GAUGE WITH NEW GAUGE AT THIS LOCATION.
- 9 REPLACE EXISTING 300MM VALVE OPERATOR AND HAND WHEEL. ALL NEW COMPONENTS AS PER SPECIFICATION FOR OPERATION IN POOL ENVIRONMENT.
- 10 REPLACE EXISTING HAND WHEEL WITH WHEEL AND EXTENDED SPINDLE. ADJUST HAND WHEEL LOCATION TO AVOID CURRENT INTERFERENCE WITH PIPING.
- 11 REPLACE EXISTING VALVE ON POST FILTER SYSTEM. EXISTING VALVE IS LOCATED ABOVE FILTER TANK AND ACCESS MAY REQUIRE REMOVAL OF ADJACENT PIPING AND VALVES. COORDINATE WITH THE CONTRACT ADMINISTRATOR DURING POOL SHUTDOWN.
- 12 PROVIDE NEW 900X900X100 DRAIN PAN BELOW EXISTING OPENING IN SLAB. DRAIN PAN TO BE FASTENED TO UNDERSIDE OF SLAB FOR EASY REMOVAL. DRAIN PAN TO BE FULLY WELDED STAINLESS STEEL, 316L. AND COMPLETE WITH GASKET.
- 13 PROVIDE FLANGED CONNECTION TO DRAINAGE PIPING FOR EASY REMOVAL.
- 14 DISCHARGE DRAINAGE PIPE INTO ADJACENT PIT AT LOWER LEVEL OF MECHANICAL ROOM.
- 15 WHILE THE DOMESTIC WATER SYSTEM IS DOWN, PROVIDE TEMPORARY PIPE CONNECTION BETWEEN THE NEW FLANGES TO MAINTAIN TEMPORARY WATER SERVICE.
- 16 HOT WATER HEATING SYSTEM
- 17 DOMESTIC WATER SYSTEM
- 18 POOL WATER SYSTEM



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**APEGM**  
 Certificate of Authorization  
**Epp Siepman Engineering Inc.**  
 No. 4035

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Client

Project  
 PAN AM POOL VALVE AND SERVICES REPLACEMENTS  
 25 POSEIDON BAY

Sheet Title  
**BASEMENT MECHANICAL PLANS - WEST**

1 : 100  
 Bid Opportunity 383-2016



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