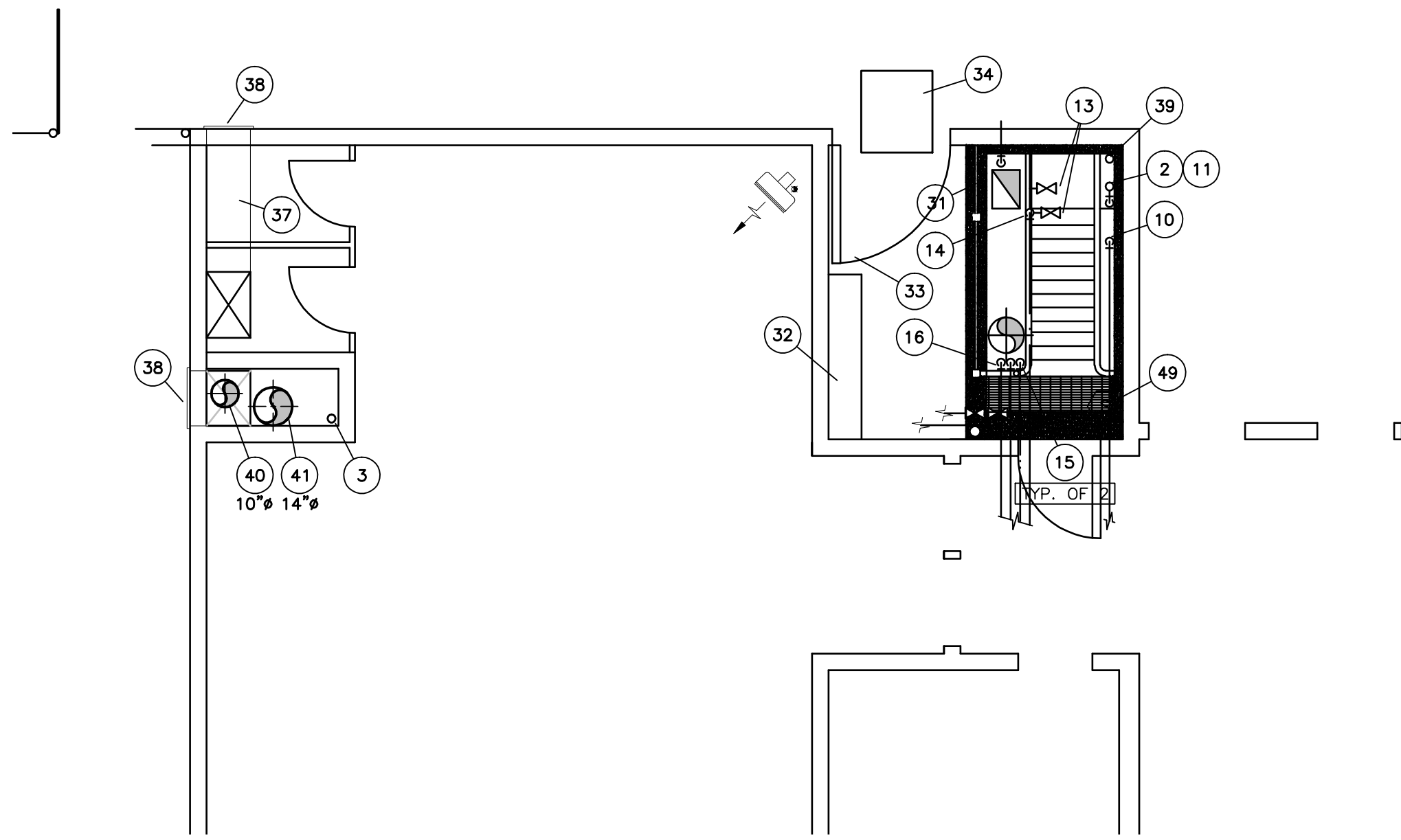
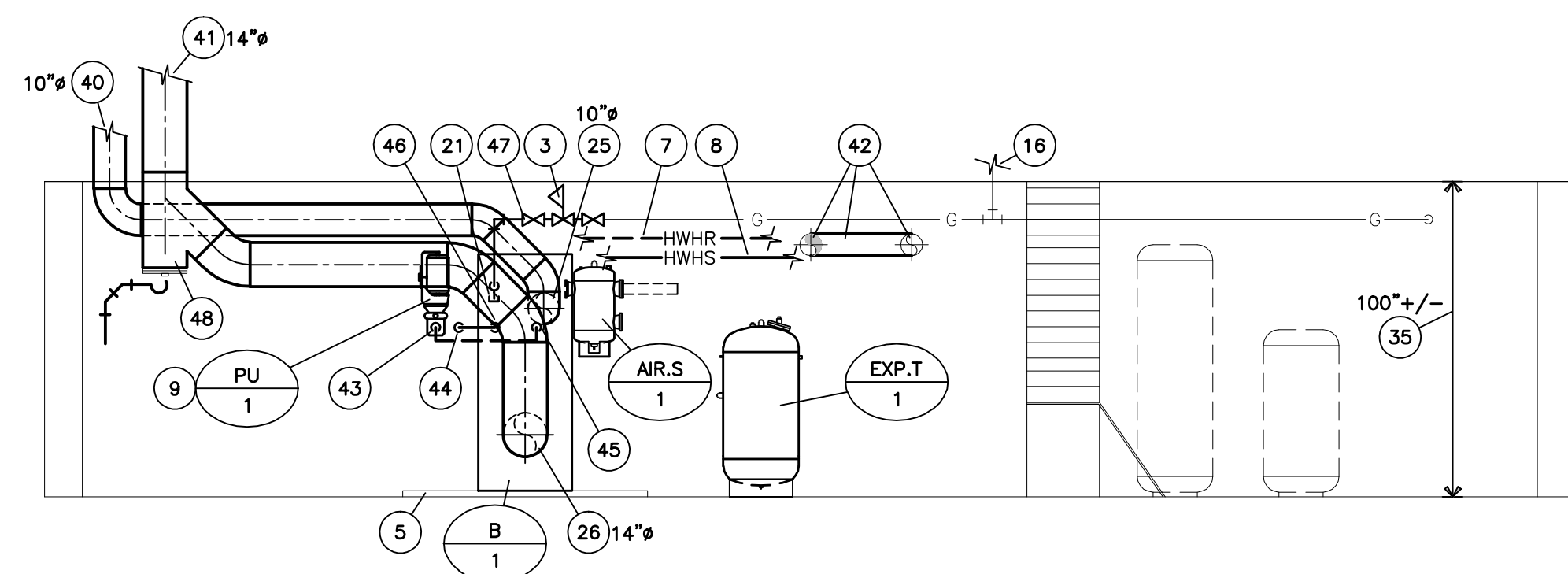


BASEMENT PART PLAN - NEW WORK
SCALE: 1/4" = 1'-0"



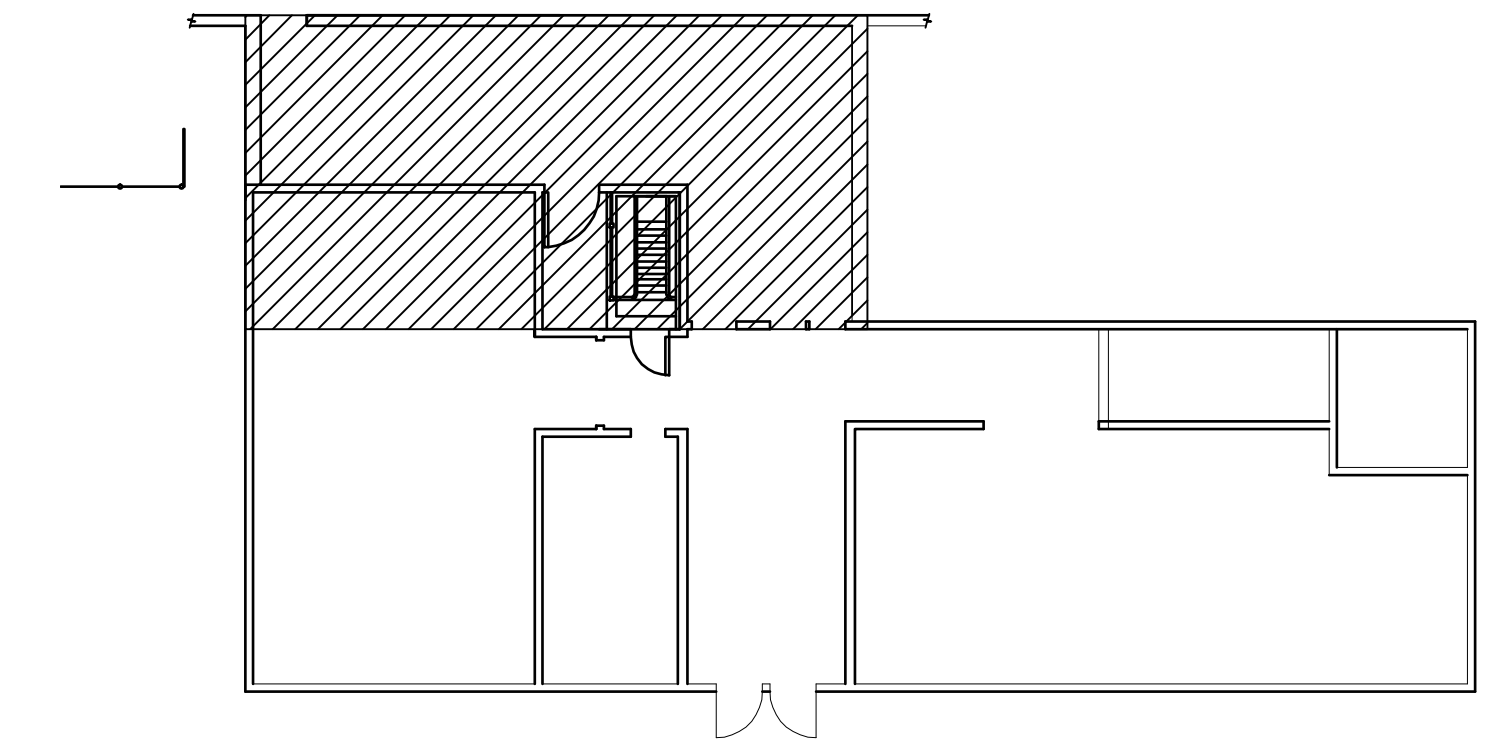
MAIN FLOOR PART PLAN - NEW WORK
SCALE: 1/4" = 1'-0"



SECTION 1
SCALE: 1/4" = 1'-0"

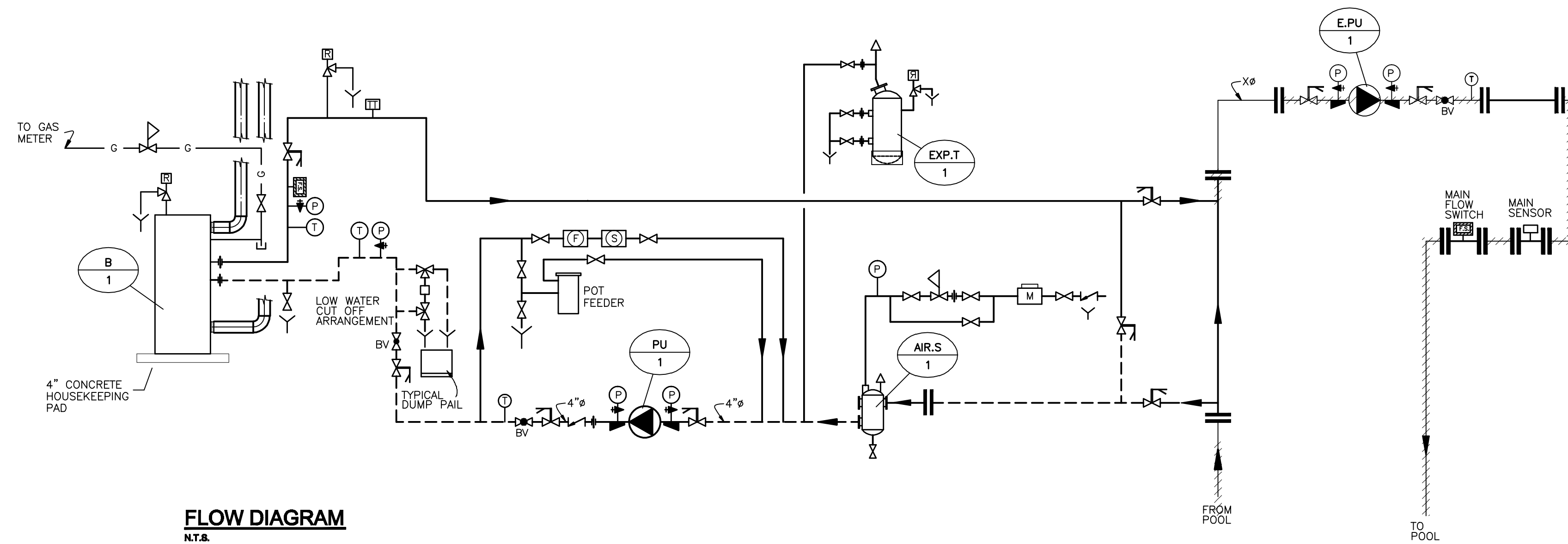
SUPPLEMENTARY NOTES

1. Connect to existing 5 lb. gas service within basement.
2. New gas PRV c/w vent to atmosphere, serves building less boiler.
3. New gas PRV c/w vent to atmosphere, serves boiler only.
4. New Boiler. See flow diagram.
5. See Structural drawings for extent of housekeeping pad.
6. See flow diagram. New piping flanged connections made to existing piping system.
7. See flow diagram. New return piping back to boiler.
8. See flow diagram. New supply piping from boiler.
9. See flow diagram. New circulating pump to new boiler. Suspend with unistrut c/w neoprene pad.
10. Existing gas piping rising up to main floor to be removed now section shown replaced once new boiler has been placed. Note this riser serves another section of the building.
11. Existing PRV vent up through roof to be removed from stairwell and new installed once new boiler has been placed.
12. New valving and piping section installed once new boiler has been placed.
13. New valves to be placed in the vertical plane.
14. Existing riser section up to main floor to be replaced.
15. Existing domestic water risers up to main floor to remain as is.
16. Existing gas riser. Re-connect at basement up to main floor serving unit heaters only.
17. Maintain required clearances.
18. See flow diagram boiler piping pumping arrangement.
19. New combustion air.
20. New chimney.
21. Gas to boiler c/w shut off and dirt pocket.
22. Re-connect to existing domestic water serving other section of building.
23. New back flow preventer services new boiler water make-up. Use same service connection as existing c/w new isolation valve.
24. New back flow preventer services other section of building. Use same service connection as existing c/w new isolation valve. Re-route around new boiler.
25. Note combustion air, boiler only size has been increased from boiler connection.
26. Note the complete boiler chimney assembly is by the boiler supplier.
27. Assumed abandoned duct shaft up to main floor to be re-ducted to meet domestic hot water tank requirements.
28. Existing electric unit heater.
29. Existing gas hot water tank. 610 000 Btu in; 502 000 Btu out.
30. Complete existing stair and handrail shown reinstalled once new boiler is installed.
31. Existing metal fence reinstalled once new boiler is installed.
32. Existing lockers to be removed and reinstalled.
33. Reinstall door and frame as required.
34. Illustrates new boiler physical size.
35. Approximate distance to underside of structure. Note existing piping travels at high level within high level space to the underside of the structure.
36. Existing floor drain to be modified to accepted new combination funnel floor drain top.
37. Assumed combustion air to outside wall.
38. Existing louver.
39. Assumed 5 lb. service down from roof.
40. Combustion air serves boiler only.
41. Boiler chimney.
42. New piping section.
43. Back to boiler.
44. From boiler.
45. Boiler inlet.
46. Boiler outlet.
47. Provide isolation valves each side.
48. Cleanout by Mechanical c/w drip to drain.
49. Boiler emergency shutoff.



MAIN FLOOR KEY PLAN
N.T.S.

HATCH INDICATES OUTLINE OF BOILER ROOM BELOW



FLOW DIAGRAM
N.T.S.

This drawing is for the purpose of Tendering. A letter signed by the Engineer for this drawing is on file. This drawing will be signed by the Engineer when required to obtain Building Permits. 29 FEB. 2008



NO.	REVISION/DESCRIPTION	BY	DATE

DRAWN BY: NNL | CHECKED BY: BR/PP | APPROVED BY: BR/PP
DATE: 29 FEB 2008 | USER APPROVAL

THE CITY OF WINNIPEG
CIVIC BUILDINGS DEPARTMENT
400-180 KING ST. R3B 3G8

PROJECT
**BOILER REPLACEMENT
LIONS CLUB POOL**

SHEET TITLE
NEW WORK
BASEMENT PART PLAN & SECTIONS

SCALE: AS NOTED | PROJECT NO: 38-2008 | SHEET NO: M2.0