



**1**  
**BASEMENT**  
**EXISTING + DEMOLITION**  
 M100 SCALE: 1:50

**DRAWING NOTES**

- 1 EXISTING PUMPS P-6 (PARTIALLY DEMOLISHED), P-7, AND P-8 TO BE DEMOLISHED. NEW PUMPS TO BE INSTALLED IN-PLACE. PHASING TO BE UTILIZED TO ELIMINATE DOWNTIME FOR FEEDWATER SYSTEM. REFER TO PROPOSED PHASING ON DRAWING M400.
- 2 DEMOLISH EXISTING THERMAL FLUID PIPING BACK TO HEADER AND CAP REMAINING STUB. THERMAL FLUID FROM DEMOLISHED PIPING IS TO BE DRAINED AND CAPTURED IN EXISTING THERMAL FLUID STORAGE TANKS ON-SITE.
- 3 DEMOLISH EXISTING CONDENSATE PIPING, COMPLETE WITH ALL SUPPORTS AND ACCOUTREMENTS, AS WELL AS AT CONNECTION TO THERMAL FLUID BOILER #1.
- 4 DEMOLISH EXISTING PIPING FROM STEAM GENERATORS #2 AND #3 (PREVIOUSLY REMOVED) BACK TO BLOWDOWN HEADER AND CAP REMAINING STUB.
- 5 DEMOLISH EXISTING STEAM GENERATOR #2 COMPLETE WITH ALL PIPING, SUPPORTS, AND ACCOUTREMENTS. HOUSEKEEPING PAD TO BE DEMOLISHED, AND FLOOR MADE GOOD UPON COMPLETION OF DEMOLITION.
- 6 DEMOLISH EXISTING THERMAL FLUID PUMP #2 COMPLETE WITH ALL PIPING, SUPPORTS, AND ACCOUTREMENTS. HOUSEKEEPING PAD TO BE DEMOLISHED, AND FLOOR MADE GOOD UPON COMPLETION OF DEMOLITION.
- 7 DEMOLISH EXISTING THERMAL FLUID BOILER #2 COMPLETE WITH ALL PIPING, SUPPORTS, AND ACCOUTREMENTS. HOUSEKEEPING PAD TO BE DEMOLISHED, AND FLOOR MADE GOOD UPON COMPLETION OF DEMOLITION.
- 8 EXISTING THERMAL FLUID BASEMENT STORAGE TANK ASSEMBLY TO REMAIN, INCLUDING TANKS, PUMPS, AND PIPING NETWORK.
- 9 EXISTING OBSOLETE FUEL OIL PIPING TO BE DEMOLISHED THROUGH CEILING, COMPLETE WITH ALL SUPPORTS AND ACCOUTREMENTS. CEILING TO BE MADE GOOD UPON COMPLETION OF DEMOLITION.
- 10 EXISTING CONDENSATE RECEIVER AND ASSOCIATED SUPPORTS, PIPING, AND ACCOUTREMENTS TO REMAIN.
- 11 EXISTING BLOWDOWN TANK, COMPLETE WITH ALL SUPPORTS AND ACCOUTREMENTS, TO REMAIN.
- 12 EXISTING FEEDWATER PIPING TO FEEDWATER PUMPS P-6, P-7, AND P-8 TO REMAIN.
- 13 EXISTING BUILDING DOMESTIC WATER SUPPLY TO REMAIN.
- 14 EXISTING THERMAL FLUID BOILER #1 AND ASSOCIATED SUPPORTS, PIPING, AND ACCOUTREMENTS TO REMAIN.
- 15 EXISTING STEAM GENERATOR #1 AND ASSOCIATED SUPPORTS, PIPING, AND ACCOUTREMENTS TO REMAIN.
- 16 EXISTING THERMAL FLUID LOOP #1 PUMP AND ASSOCIATED SUPPORTS, PIPING, AND ACCOUTREMENTS TO REMAIN.
- 17 DEMOLISH EXISTING THERMAL FLUID EXPANSION LOOP PIPING, COMPLETE WITH ALL SUPPORTS AND ACCOUTREMENTS. PIPING IS TO BE CAPPED AT STORAGE TANKS IN BASEMENT AND DEMOLISHED THROUGH CEILING. CEILING TO BE MADE GOOD UPON COMPLETION OF WORK. EXISTING BASEMENT VENT STORAGE TANKS ARE TO BE DEMOLISHED.
- 18 DEMOLISH EXISTING DOMESTIC COLD WATER PIPING IN TRENCH AND CAP WHERE INDICATED. PIPING IS TO BE DEMOLISHED UP TO THERMAL FLUID PUMP #2.
- 19 DEMOLISH EXISTING DOMESTIC COLD WATER PIPING IN TRENCH AND CAP WHERE INDICATED. PIPING IS TO BE DEMOLISHED UP TO FORMER LOCATION OF THERMAL FLUID PUMP #3.
- 20 CAP EXISTING DROPS AFTER COMPLETION OF PUMP DEMOLITION. REFER TO M400 FOR PHASING.
- 21 EXISTING CONDENSATE TRANSFER PUMPS P-1 AND P-2 BELOW CONDENSATE TANK TO BE DEMOLISHED. NEW PUMPS TO BE INSTALLED ADJACENT TO CONDENSATE TANK. REFER TO NEW INSTALLATION LOCATION ON M200.

**GENERAL NOTES**

1. CONTRACTOR IS RESPONSIBLE FOR DEMOLISHING ALL EXISTING UNUSED HANGERS ON-SITE.
2. ALL HANGERS REMOVED FROM SITE ARE TO BE DEMOLISHED UP TO ANCHOR POINT.
3. REFER TO DRAWINGS M300, M301, AND M302 FOR SCHEMATICS.
4. CONTRACTOR IS TO MAINTAIN ALL PIPING CONNECTIONS FOR THERMAL FLUID BOILER #2 AND STEAM GENERATOR #2 THAT ARE NECESSARY TO CONNECT A TEMPORARY BOILER IF DETERMINED NECESSARY DURING PROJECT. UPON COMPLETION OF COMMISSIONING FOR NEW BOILER, ALL PIPING TEMPORARILY MAINTAINED FOR POSSIBLE TEMPORARY BOILER CONNECTION IS TO BE DEMOLISHED AS SHOWN ON DRAWINGS.



02	ISSUED FOR ADDENDUM 3	2014/08/26
01	ISSUED FOR ADDENDUM 1	2014/08/08
00	ISSUED FOR TENDER	2014/07/24
0A	ISSUED FOR 99% REVIEW	2014/05/22
revision	description	date

Do not scale drawings.  
 Verify all dimensions and conditions on site and immediately notify the engineer of all discrepancies.

	A	Detail No.
	B	drawing no. - where detail required dessin no. - où détail exigé
	C	drawing no. - where detailed dessin no. - où détaillé

project title  
 titre du projet  
**OTTAWA** ONTARIO  
 CLIENT  
 560 KING STREET,  
 KINGSTON, K7L 4V7  
**KINGSTON PENITENTIARY  
 HEATING PLANT UPGRADE**

drawing title  
 titre du dessin  
**BASEMENT  
 PIPING  
 DEMOLITION**

drawn by  
 dessiné par  
 PATRICK BOURGEOIS

designed by  
 conçu par  
 CARY MCGEE, P.ENG

approved by  
 approuvé par  
 CARY MCGEE, P.ENG

tender  
 soumission  
 DUNCAN PARKER, P.ENG. project manager  
 administrateur de projets

project date  
 date du projet  
 2014/04/07

project no.  
 no. du projet  
 R.068125.001

drawing no.  
 dessin no.  
 M100