

**BASEMENT**  
**1** EXISTING + NEW CONSTRUCTION  
 M200 SCALE: 1:50

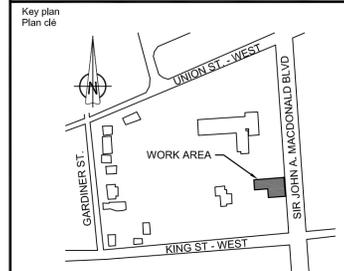
**DRAWING NOTES**

- 1 NEW NPS 1 BOILER FEEDWATER BYPASS THROUGH CEILING FROM FEEDWATER SUPPLY TO NEW BOILER. PIPING CONTINUES ON DRAWING M202.
- 2 NEW PUMP P-8. PHASING OF PUMP DEMOLITION AND INSTALLATION IS SHOWN ON DRAWING M400.
- 3 NEW PUMP P-7. PHASING OF PUMP DEMOLITION AND INSTALLATION IS SHOWN ON DRAWING M400.
- 4 NEW NPS 1 BOILER BLOWDOWN PIPING FROM NEW BOILER TO EXISTING BLOWDOWN TANK HEADER. PIPING IS TO BE ROUTED THROUGH EXISTING FLOOR TRENCHES FROM GROUND FLOOR. PIPING CONTINUES ON DRAWING M202.
- 5 CONTRACTOR TO INSTALL NEW TEMPERATURE SENSOR IN EXISTING STEAM TUNNEL TO KINGSTON PENITENTIARY. REFER TO DRAWING M203 FOR LOCATION AND SCOPE OF INSTALLATION.
- 6 NEW CONDENSATE TRANSFER PUMPS P-1 AND P-2 INSTALLED ON NEW 150mm REINFORCED HOUSEKEEPING PAD. PUMPS TO BE TIED INTO EXISTING CONDENSATE PIPING ASSOCIATED WITH CONDENSATE TANK AND DEAERATOR. REFER TO DRAWING M401 FOR CONNECTION DETAILS.
- 7 NEW 150mm HOUSEKEEPING PAD FOR PUMPS P-1 AND P-2. HOUSEKEEPING PAD TO PROVIDE 100mm CLEARANCE AROUND NEW PUMPS. REFER TO M401 FOR HOUSEKEEPING PAD DETAIL.
- 8 CONTRACTOR TO PROVIDE NEW CONTROL PANEL TO MATCH EXISTING FOR PUMPS P-1 AND P-2. PANEL TO BE WALL MOUNTED AND PROVIDED BY DIVISION 23. CONTROLS FOR PUMPS TO BE DONE BY DIVISION 25. POWER TO BE PROVIDED AND CONNECTED BY DIVISION 26. COORDINATE WITH ELECTRICAL. CONTROL PANEL TO MATCH SEQUENCE OF OPERATIONS OF EXISTING PANEL FOR PUMPS P-1 AND P-2. NEW CONTROL PANEL TO INCLUDE DISCONNECT SWITCH AND BE 600V. EXISTING PANEL TO BE DEMOLISHED. ALL ALARMS TO BE CONNECTED TO EXISTING PAGER SYSTEM IN CONTROL ROOM.

**GENERAL NOTES**

1. DESIGN DOCUMENTS ARE BASED ON PIPING AND CONNECTION REQUIREMENTS FOR A SPECIFIC BOILER MODEL. CONTRACTOR IS RESPONSIBLE FOR ACCOMMODATING ALL REQUIRED PIPING CONNECTIONS AND OTHER NECESSITIES FOR PROPER INSTALLATION OF NEW STEAM BOILER THAT IS PROVIDED, SHOULD THE PROVIDED BOILER DEViate FROM THE REQUIREMENTS IDENTIFIED IN THESE DESIGN DOCUMENTS.
2. CONTRACTOR IS RESPONSIBLE FOR ENSURING BOILER PLANT MEETS OPERATIONAL REQUIREMENTS OF PWGSC BY OCTOBER 15, 2014. CONTRACTOR IS TO PROVIDE AND INSTALL TEMPORARY BOILERS TO MEET DEMAND IF PLANT IS DEEMED BY PWGSC TO NOT MEET OPERATIONAL REQUIREMENTS ON THIS DATE.
3. REFER TO DRAWINGS M300, M301, AND M302 FOR SCHEMATICS.

Public Works and Government Services Canada  
 Architectural and Engineering Services  
 Ontario Region  
 Travaux publics et Services gouvernementaux Canada  
 Services d'architecture et de génie  
 Région de l'Ontario



revision	description	date
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

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

	A	Detail No. No. du détail
	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  
 NEW**

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.  
**M200**