

1
GROUND FLOOR
EXISTING + NEW
M202 SCALE: 1:50

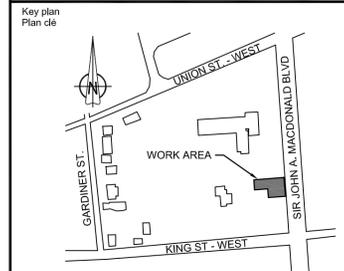
DRAWING NOTES

- ① NEW NPS 1 BOILER FEEDWATER CONNECTION TO NEW BOILER FROM EXISTING FEEDWATER SUPPLY PIPING.
- ② NEW ORIFICE PLATE SUPPLIED AND INSTALLED BY DIVISION 23. ORIFICE PLATE TO BE SIZED FOR THE MINIMUM FLOW THROUGH THE NEW BOILER FEED PUMPS.
- ③ NEW NPS 1 BOILER FEEDWATER BYPASS THROUGH FLOOR TO CONDENSATE RECEIVER IN BASEMENT. PIPING CONTINUES ON DRAWING M200.
- ④ NEW NPS 1 BOILER BLOWDOWN PIPING CONNECTED TO BOILER AND ROUTED THROUGH EXISTING FLOOR TRENCH TO EXISTING BLOWDOWN TANK IN BASEMENT. PIPING CONTINUES ON DRAWING M200.
- ⑤ NEW NPS 2 GAS PIPING TO BE CONNECTED TO EXISTING DROP FORMERLY SERVING THERMAL FLUID BOILER #3 AND ROUTED TO NATURAL GAS CONNECTION FOR NEW BOILER.
- ⑥ NEW GAS VENTS TO BE COMBINED INTO SINGLE NPS 1-1/2 VENT LINE ROUTED THROUGH ROOF. ROOF TO BE MADE GOOD UPON COMPLETION OF INSTALLATION AND WEATHERPROOFED.
- ⑦ NEW 610Ø EXHAUST BREECHING FROM NEW BOILER THROUGH ROOF. ROOF TO BE MADE GOOD UPON COMPLETION OF INSTALLATION AND WEATHERPROOFED. BOILER TO BE INSTALLED SUCH THAT NO OFFSETS OR ELBOWS ARE REQUIRED TO INSTALL NEW EXHAUST BREECHING.
- ⑧ NEW NPS 1 BOILER ECONOMIZER BYPASS LINE FROM BOILER TO DEAERATOR INLET. PIPING CONTINUES ON DRAWING M203.

GENERAL NOTES

- 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.
1. 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.
 2. UPON COMPLETION OF NEW BOILER INSTALLATION, EXISTING BOILER #1 NEEDS TO BE SEALED OUT OF LOOP TO MEET TSSA REQUIREMENTS. CONTRACTOR IS RESPONSIBLE FOR MEETING TSSA REQUIREMENTS AND COORDINATING TSSA APPROVAL OF SYSTEM.
 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
01	ISSUED FOR ADDENDUM 3	2014/08/26
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
**GROUND FLOOR
PIPING
NEW**

drawn by
dessiné par
PATRICK BOURGEOIS

designed by
conçu par
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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

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M202