

1
GROUND FLOOR
EXISTING + DEMOLITION
SCALE: 1:50

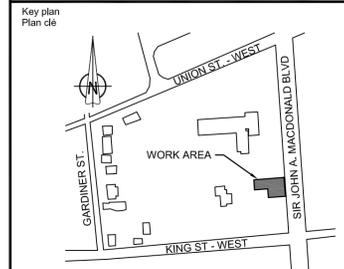
DRAWING NOTES

- 1 DEMOLISH EXISTING OBSOLETE FUEL OIL PIPING, COMPLETE WITH ALL SUPPORTS AND ACCOUTREMENTS. FLOOR TO BE MADE GOOD UPON COMPLETION OF DEMOLITION WHERE PIPING PENETRATES FLOOR. PIPING TO BE CAPPED AND STUBBED AT THERMAL FLUID BOILER #1.
- 2 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.
- 3 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.
- 4 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.
- 5 DEMOLISH EXISTING GAS PIPING TO THERMAL FLUID BOILER #2, COMPLETE WITH ALL SUPPORTS AND ACCOUTREMENTS, BACK TO PIPE DROP AND CAP REMAINING PIPING. REFER TO DRAWING M400 FOR EXACT INTERVENTION LOCATION.
- 6 EXISTING STEAM GENERATOR #1 AND ASSOCIATED SUPPORTS, PIPING, AND ACCOUTREMENTS TO REMAIN.
- 7 EXISTING THERMAL FLUID LOOP #1 PUMP AND ASSOCIATED SUPPORTS, PIPING, AND ACCOUTREMENTS TO REMAIN.
- 8 EXISTING THERMAL FLUID BOILER #1 AND ASSOCIATED SUPPORTS, PIPING, AND ACCOUTREMENTS TO REMAIN.
- 9 EXISTING NPS 1/2 HOSE BIBB TO REMAIN.
- 10 EXISTING NPS 3/4 WALL HYDRANT TO REMAIN.
- 11 DEMOLISH EXISTING BREECHING, COMPLETE WITH FLUE GAS ECONOMIZER AND ALL SUPPORTS AND ACCOUTREMENTS, SERVING THERMAL FLUID BOILER #2. BREECHING IS TO BE DEMOLISHED UP TO PLANT EXTERIOR WALL, THEN CAPPED WITH BLANK FLANGE INSIDE EXTERIOR WALL.
- 12 DEMOLISH EXISTING BREECHING, COMPLETE WITH FLUE GAS ECONOMIZER AND ALL SUPPORTS AND ACCOUTREMENTS, FORMERLY SERVING THERMAL FLUID BOILER #3. BREECHING IS TO BE DEMOLISHED UP TO PLANT EXTERIOR WALL, THEN CAPPED WITH BLANK FLANGE INSIDE EXTERIOR WALL.
- 13 DEMOLISH OBSOLETE FEEDWATER PIPING FORMERLY SERVING STEAM GENERATOR #1, INCLUDING ALL SUPPORTS AND ACCOUTREMENTS. CAP AND STUB PIPING AS INDICATED. PIPING CONTINUES ON MEZZANINE LEVEL ON DRAWING M103. PIPING BRANCHES TO FLUE GAS ECONOMIZER #1 AND STEAM GENERATOR #1 ARE TO REMAIN AS SHOWN. CLIENT IS RESPONSIBLE FOR CONNECTING ECONOMIZER AND STEAM GENERATOR TO NEW EXISTING FEEDWATER PIPING ALREADY ON-SITE.
- 14 DEMOLISH EXISTING FEEDWATER PIPING FORMERLY SERVING STEAM GENERATOR #3, INCLUDING ALL SUPPORTS AND ACCOUTREMENTS. PIPING CONTINUES ON MEZZANINE LEVEL ON DRAWING M103.
- 15 DEMOLISH EXISTING FEEDWATER PIPING SERVING STEAM GENERATOR #2, INCLUDING ALL SUPPORTS AND ACCOUTREMENTS. PIPING CONTINUES ON MEZZANINE LEVEL ON DRAWING M103.
- 16 EXISTING BREECHING, COMPLETE WITH FLUE GAS ECONOMIZER AND ALL SUPPORTS AND ACCOUTREMENTS, SERVING THERMAL FLUID BOILER #1 TO REMAIN.
- 17 EXISTING NPS 1-1/2 DOMESTIC WATER PIPING FROM BASEMENT UP TO MEZZANINE TO REMAIN. MEZZANINE CONNECTIONS TO THERMAL FLUID EXPANSION TANKS #1 AND #2 ARE TO BE DEMOLISHED AND CAPPED AT TEE FROM COMMON PIPING.
- 18 EXISTING FEEDWATER PIPING FOR NEW FEEDWATER SUPPLY TO STEAM GENERATOR #1, FLUE GAS ECONOMIZER #1, AND NEW BOILER. CLIENT IS TO TIE-IN FEEDWATER LINE TO STEAM GENERATOR #1, FLUE GAS ECONOMIZER #1, AND FEEDWATER SUPPLY PIPING FROM FEEDWATER PUMPS IN BASEMENT. TIE-INS ARE TO BE DONE WHERE INDICATED. CONTRACTOR IS TO DEMOLISH ALL OBSOLETE FEEDWATER PIPING AS INDICATED. EXISTING TIE-INS ARE TO BE USED FOR NEW BOILER FEEDWATER SUPPLY.
- 19 DEMOLISH EXISTING CONTROL PANEL FOR THERMAL FLUID BOILER #1. POWER AND CONDUIT FROM MCC TO BE DEMOLISHED BY DIVISION 26. EXISTING CONNECTIONS FROM CONTROL PANEL TO THERMAL FLUID BOILER #1 AND OTHER EQUIPMENT TO BE DEMOLISHED BY DIVISION 23. WORK TO BE PHASED IN ORDER TO MAINTAIN OPERATIONAL CONTROLS FOR THERMAL FLUID BOILER #1 AT ALL TIMES. COORDINATE WITH INSTALLATION OF NEW CONTROL PANEL.

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. 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.
4. REFER TO DRAWING M300, M301, AND M302 FOR SCHEMATICS.
5. 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.

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	B	C
Detail No.	No. du détail	drawing no. - where detail required	dessin no. - où détail exigé
		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
DEMOLITION**

drawn by
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PATRICK BOURGEOIS

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soumission
DUNCAN PARKER, P.ENG.

project manager
administrateur
de projets

project date
date du projet
2014/04/07

project no.
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R.068125.001

drawing no.
dessin no.
M102