



ADDENDUM NO. 1 TO PROJECT NO. M2651

**HAZARDOUS MATERIAL WORK, HVAC WORK, ELECTRIC WORK
 REPLACE CONDENSATE & STEAM LINES FROM THE POWER PLANT, BLDG NO. 24 TO
 BLDG. NOS. 2 & 3
 GREEN HAVEN CORRECTIONAL FACILITY
 ROUTE 216
 STORMVILLE, NY**

October 18, 2012

NOTE: This Addendum forms a part of the Contract Documents. Insert it in the Project Manual. Acknowledge receipt of this Addendum in the space provided on the Bid Form.

SPECIFICATIONS

1) Page 230700-6, Article 3.06: Replace this Article in its entirety with the following:

“3.06 HOT SERVICE INSULATION MATERIAL SCHEDULE

| | SERVICE AND TEMPERATURES | INSULATION MATERIAL | PIPE SIZES (INCHES) | MINIMUM (NOMINAL) INSULATION THICKNESS (INCHES) |
|---|--------------------------------------------------------|----------------------------|----------------------------|--------------------------------------------------------|
| E | Water and other fluids 105 F to 140 F. | Fibrous Glass | 1-1/2 & Less | 1 |
| | Domestic hot water supply Domestic hot water return | | Over 1-1/2 | 2 |
| F | Water and other fluids 141 F to 250 F. | Fibrous Glass | 6 & Less | 2 |
| | Pumped discharge Low pressure condensate | | 8 & Up | 2-1/2 |
| F | Steam (LPS) to 15 psig | Fibrous Glass | 1-1/2 & Less | 1-1/2 |
| | | | 2 & Up | 3 |

| | SERVICE AND TEMPERATURES | INSULATION MATERIAL | PIPE SIZES (INCHES) | MINIMUM (NOMINAL) INSULATION THICKNESS (INCHES) |
|---|-------------------------------------------------------------------------|---------------------|---------------------|-------------------------------------------------|
| G | Water and other fluids 251 F to 350 F. Medium pressure return | Fibrous Glass | 1 & Less | 2 |
| | | | 1-1/4 to 4 | 2-1/2 |
| | | | 5 and Up | 3-1/2 |
| G | Steam (MPS) 16 to 125 psig | Fibrous Glass | 1 & less | 2 |
| | | | 1-1/4 to 4 | 3 |
| | | | 5 & Up | 3-1/2 |

A. **NOTES:**

1. Insulate piping in tunnels and conduits with insulation of thickness as follows:
 - a. Types E, F, and G Service: Minimum 2 inch thick unless greater thickness is specified in Hot Service Insulation material Schedule above.

2) Page 230700-6, Add the following to PART 3 EXCUTION:

“3.07 COLD SERVICE INSULATION MATERIAL SCHEDULE

| | SERVICE AND TEMPERATURES | INSULATION MATERIAL | PIPE SIZES (INCHES) | MINIMUM (NOMINAL) INSULATION THICKNESS (INCHES) |
|--|---------------------------------------------------------|---------------------|---------------------|-------------------------------------------------|
| | Domestic cold water, and as specified. 33 F to 80 F. | Fibrous Glass | All Sizes | 1/2 |

“

3) Page 232123 – 1, Change Paragraph 2.01 A. to Read:

“A. **NOTE:**

1. Condensate Pumps CP-01, CP-02, CP-03, and CP-04 shall be shipped from the factory as assembled units and factory tested. Pumps and strainers connected to the assembly may need to be removed by the contractor in order to get through

- the existing openings. Contractor shall be responsible for reconnecting equipment once the condensate pump is set in place.
2. Condensate Pumps CP-05 thru CP-18 shall be shipped from the factory as assembled units and factory tested. Pumps, strainers, and/or control panels connected to the assembly may need to be removed or temporarily disconnected by the contractor in order to get through the existing openings. Contractor shall be responsible for reconnecting equipment once the condensate pump is set in place.
 3. Condensate Pump CP-19 shall be field welded and erected. Contractor to field verify the existing building openings and construct CP-19 from multiple welded sections as required. Once field erected with all pumps and controls, the entire assembly shall be tested in the field.”
- 4) Page 232123 – 4, Change Second sentence in Paragraph 2.04 B to Read:

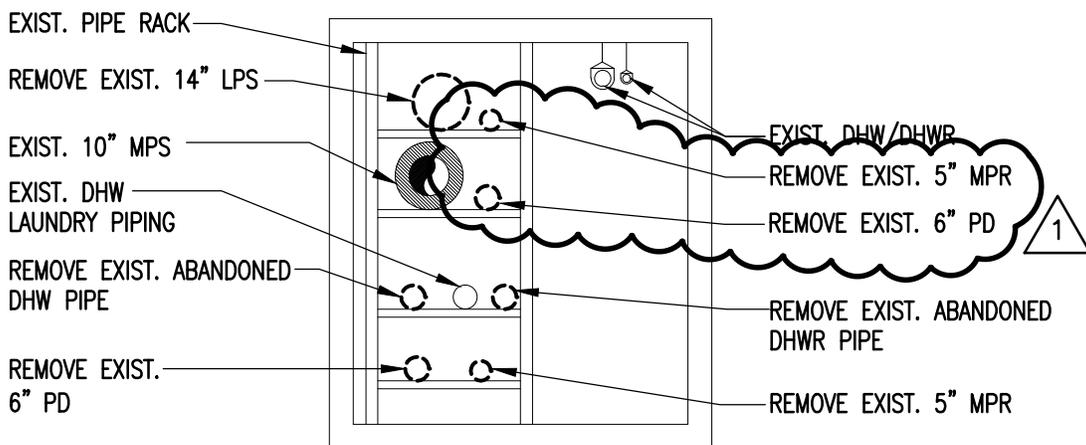
“The receiver shall be 5’-0” long x 2’-8” diameter and shall be equipped with: (3) externally adjustable 2-pole float switches, water level gauge dial thermometer, (3) pressure gauges for pump discharge, (3) bronze fitted isolation valves between pumps and receiver.”

HVAC WORK DRAWINGS

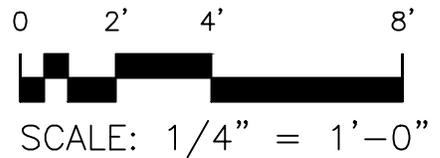
- 5) Drawing M-101, TUNNEL PIPING REMOVAL PARTIAL SITE PLAN AND SECTIONS
REVISE 2/M-101 to show the removal of the existing 5” MPR and 6” PD. Refer to attached drawing AD1-M1
- 6) Drawing M-101, TUNNEL PIPING REMOVAL PARTIAL SITE PLAN AND SECTIONS
ADD to 1/M-101 the vacuum return lines which are being removed in plan view. Refer to attached drawings AD1-M2 and AD1-M3.
- 7) Drawing M-102, TUNNEL PIPING REMOVAL PARTIAL SITE PLAN AND SECTIONS
ADD to 1/M-102 the vacuum return lines which are being removed in plan view. Refer to attached drawings AD1-M4 and AD1-M5.
- 8) Drawing M-201, TUNNEL PIPING PARTIAL SITE PLAN AND SECTIONS
REVISE 1/M-201 note by the main exterior to wall to read, “Provide 4” PD Piping thru 30” thick concrete wall. Patch unused wall openings w/conc. (equip pad mix).”

END OF ADDENDUM

James Dirolf, P.E.
Director of Design



1
TUNNEL SECTION '2'
AD1-M1 SCALE: 1/4" = 1'-0"



1 ADDED 6" PD AND 5" MPR

ADDENDUM #1 REFERENCE DRAWING: M-101

SHEET TITLE: **TUNNEL SECTION '2'**

PROJECT: **REPLACE CONDENSATE & STEAM LINES FROM THE POWER PLANT, BLDG NO. 24 TO BLDG. NOS. 2 & 3**

THE ALTERATION OF THIS MATERIAL IN ANY WAY, UNLESS DONE UNDER THE DIRECTION OF A COMPARABLE PROFESSIONAL, I.E. ARCHITECT FOR AN ARCHITECT, ENGINEER FOR AN ENGINEER OR LANDSCAPE ARCHITECT FOR A LANDSCAPE ARCHITECT, IS A VIOLATION OF THE NEW YORK STATE EDUCATION LAW AND/OR REGULATIONS AND IS A CLASS 'A' MISDEMEANOR.

DWG NO:
AD1-M1

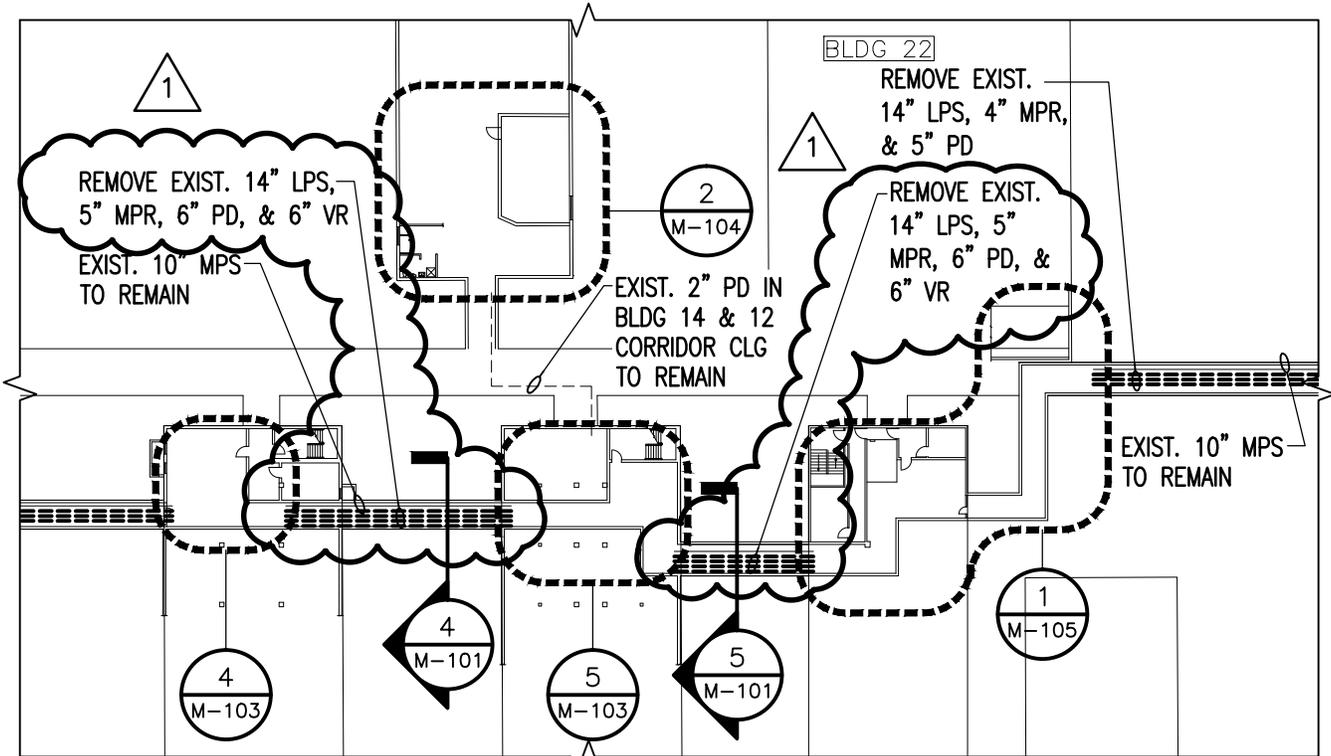


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DELTA PROJECT NUMBER: 2010.589.012

CONTRACT: HVAC
PROJ. NO: M2651
DATE: 10-16-2012
DRAWN: GDB
APPROVED: GDB

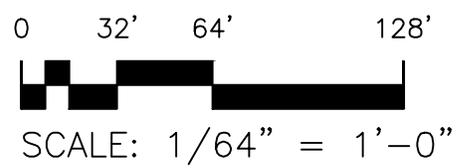
GENERAL NOTES

1. PIPING SHOWN ON THIS PLAN TO BE REMOVED IS LOCATED IN THE UTILITY TUNNEL BELOW GRADE, UNLESS NOTED OTHERWISE. ONLY STEAM AND CONDENSATE PIPING IS SHOWN OFFSET IN TUNNEL FOR CLARITY. REFER TO SECTIONS ON THIS SHEET FOR OTHER UTILITY PIPES LOCATED ON THE RACK.



1 TUNNEL PIPING REMOVAL PARTIAL SITE PLAN

AD1-M2 SCALE: 1/64" = 1'-0"

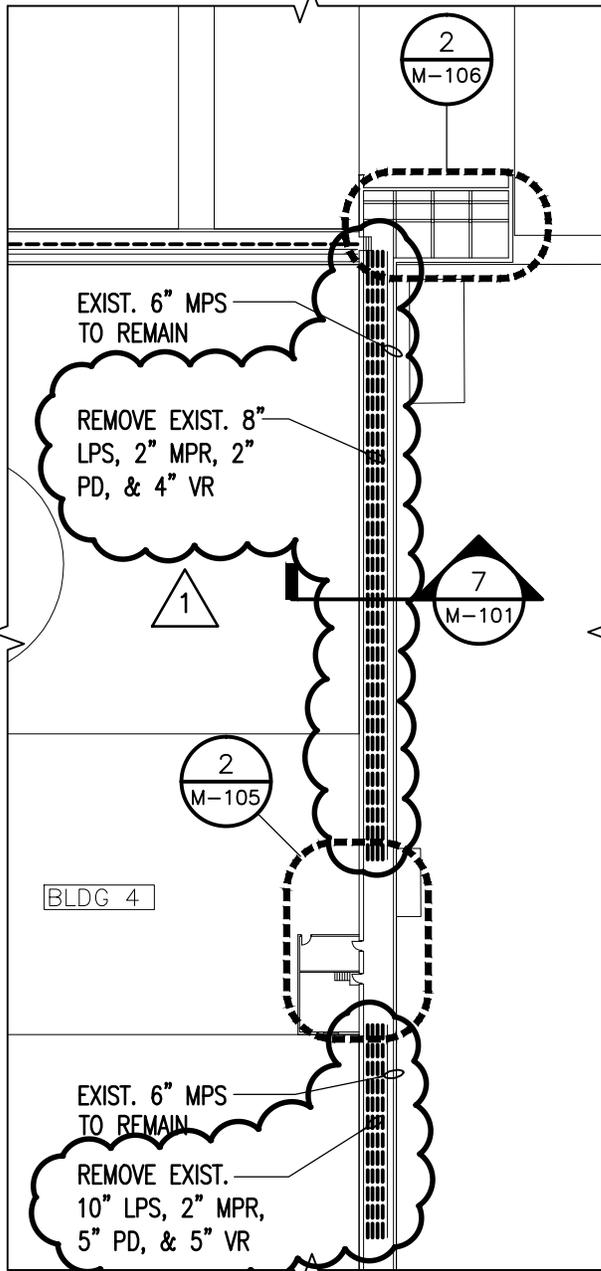


1 ADDED 6" VR

| | |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|
| ADDENDUM #1 | REFERENCE DRAWING: M-101 |
| SHEET TITLE: TUNNEL PIPING REMOVAL PARTIAL SITE PLAN | |
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1 TUNNEL PIPING REMOVAL PARTIAL SITE PLAN

AD1-M3 SCALE: 1/64" = 1'-0"

0 32' 64' 128'



SCALE: 1/64" = 1'-0"

1 ADDED 4" VR AND 5" VR

| | |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|
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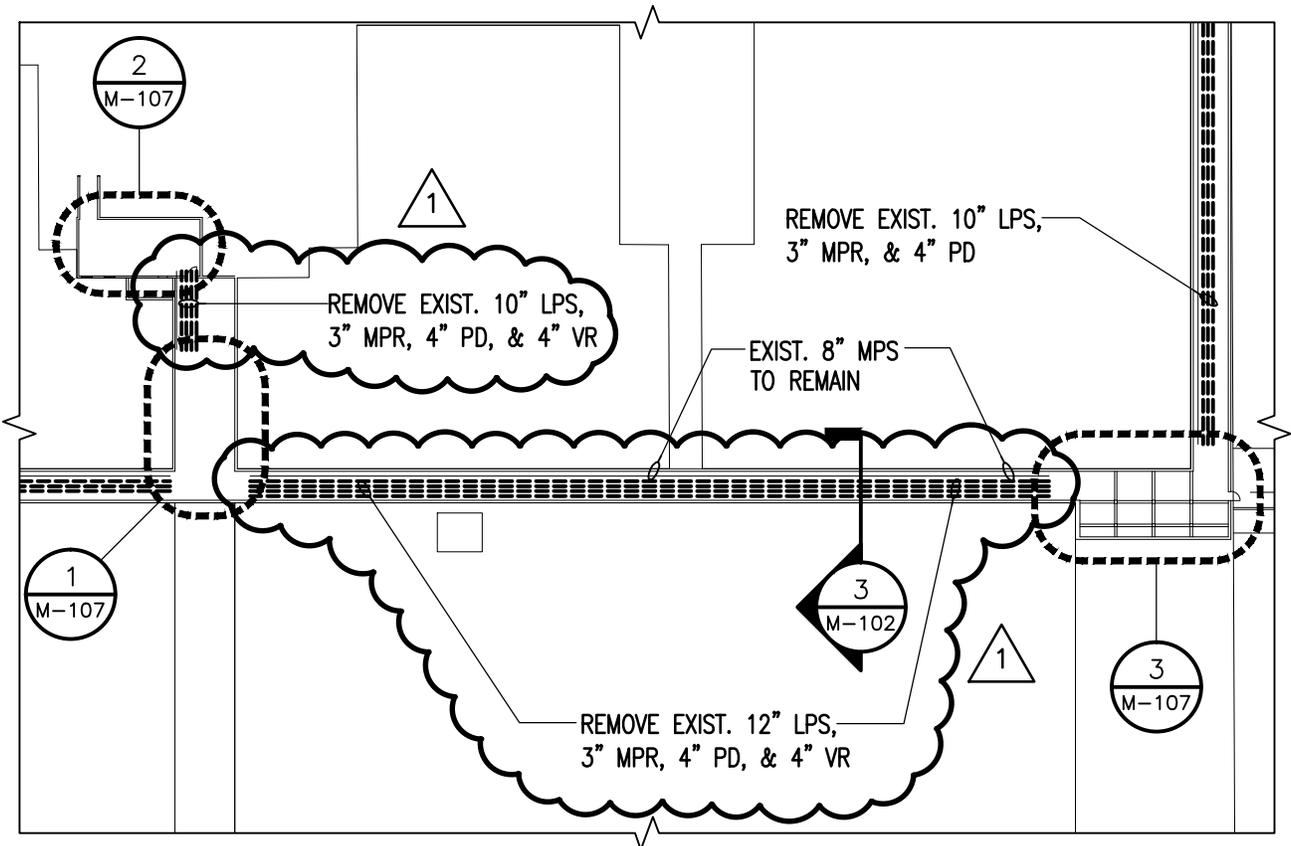
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1 TUNNEL PIPING REMOVAL PARTIAL SITE PLAN

AD1-M4 SCALE: 1/64" = 1'-0"

0 32' 64' 128'



SCALE: 1/64" = 1'-0"

1 ADDED 4" VR

ADDENDUM #1 REFERENCE DRAWING: M-102

SHEET TITLE:
TUNNEL PIPING REMOVAL PARTIAL SITE PLAN

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DWG NO:
AD1-M4



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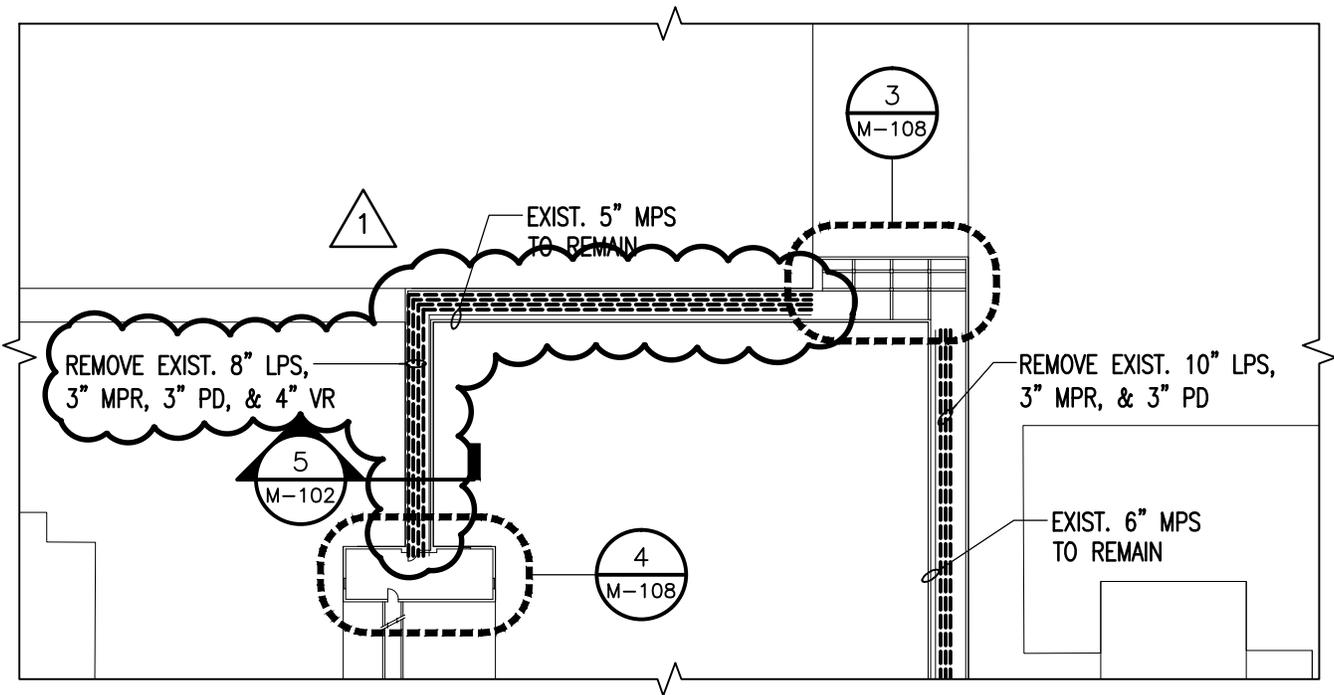
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1 TUNNEL PIPING REMOVAL PARTIAL SITE PLAN

AD1-M5 SCALE: 1/64" = 1'-0"

0 32' 64' 128'



SCALE: 1/64" = 1'-0"

1 ADDED 4" VR

ADDENDUM #1 REFERENCE DRAWING: M-102

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DWG NO:
AD1-M5



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