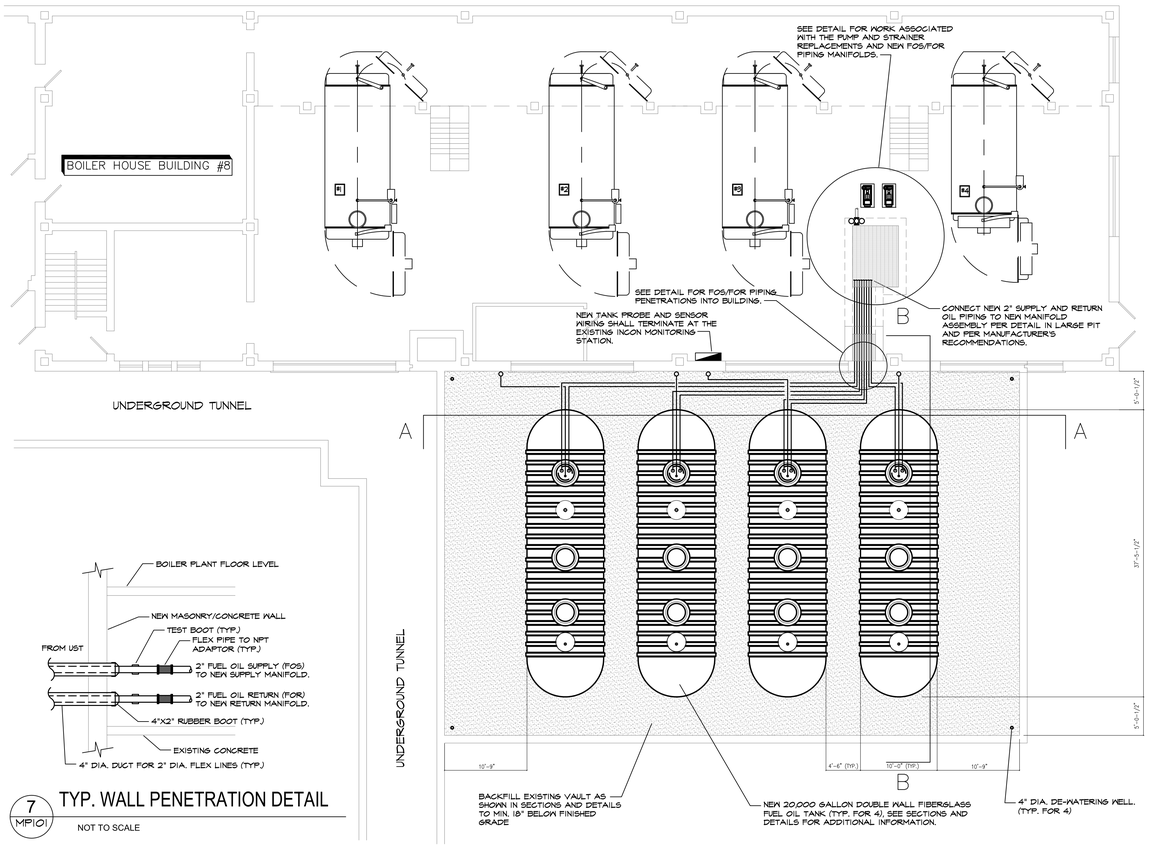
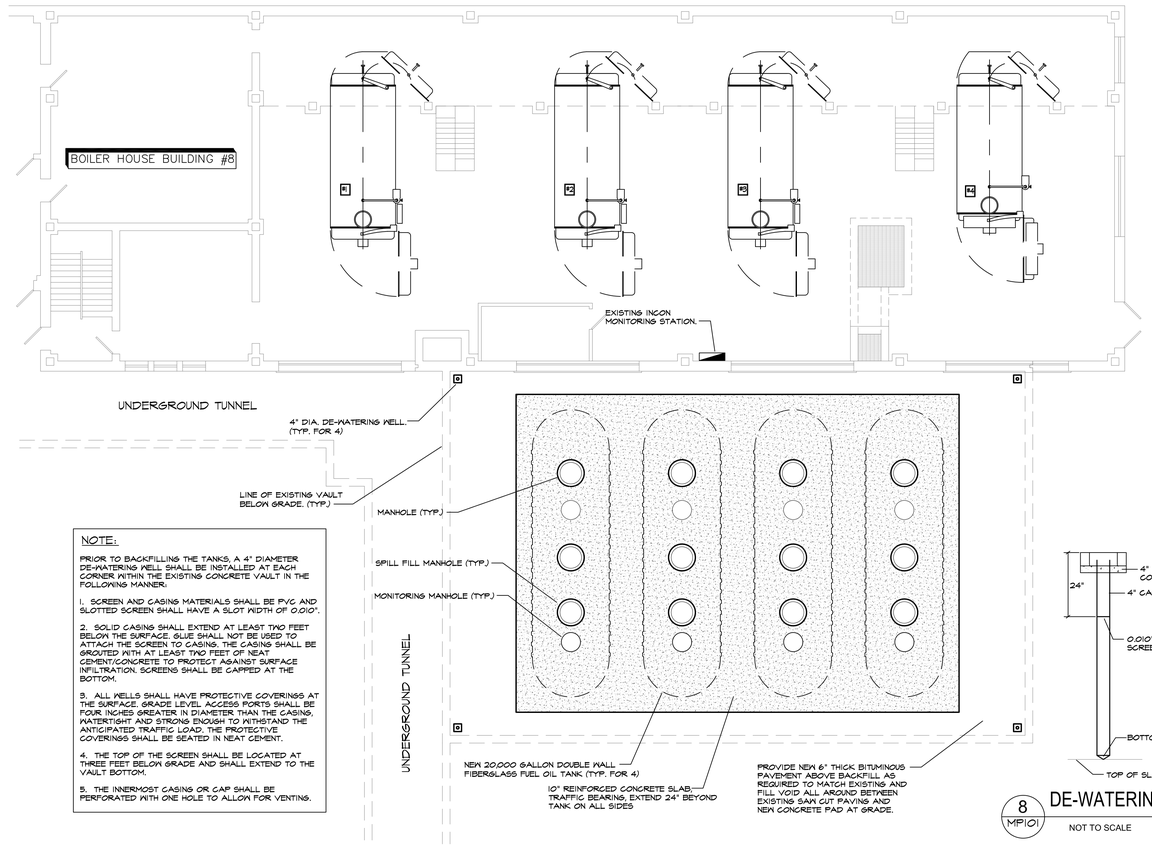



1 MP101 BELOW GRADE STORAGE TANK INSTALLATION PLAN

SCALE: 1/8"=1'-0"




NOTE:

PRIOR TO BACKFILLING THE TANKS, A 4" DIAMETER DE-WATERING WELL SHALL BE INSTALLED AT EACH CORNER WITHIN THE EXISTING CONCRETE VAULT IN THE FOLLOWING MANNER:

1. SCREEN AND CASING MATERIALS SHALL BE PVC AND SLOTTED SCREEN SHALL HAVE A SLOT WIDTH OF 0.010".

2. SOLID CASING SHALL EXTEND AT LEAST TWO FEET BELOW THE SURFACE. GLUE SHALL NOT BE USED TO ATTACH THE SCREEN TO CASING. THE CASING SHALL BE GROUTED WITH AT LEAST TWO FEET OF NEAT CEMENT/CONCRETE TO PROTECT AGAINST SURFACE INFILTRATION. SCREENS SHALL BE CAPPED AT THE BOTTOM.

3. ALL WELLS SHALL HAVE PROTECTIVE COVERINGS AT THE SURFACE. GRADE LEVEL ACCESS PORTS SHALL BE FOUR INCHES GREATER IN DIAMETER THAN THE CASING. WATERTIGHT AND STRONG ENOUGH TO WITHSTAND THE ANTICIPATED TRAFFIC LOAD. THE PROTECTIVE COVERINGS SHALL BE SEATED IN NEAT CEMENT.

4. THE TOP OF THE SCREEN SHALL BE LOCATED AT THREE FEET BELOW GRADE AND SHALL EXTEND TO THE VAULT BOTTOM.

5. THE INNERMOST CASING OR CAP SHALL BE PERFORATED WITH ONE HOLE TO ALLOW FOR VENTING.

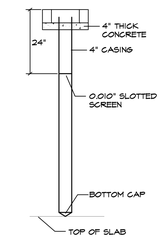
2 MP101 ON GRADE TANK INSTALLATION AND FINISH PLAN

SCALE: 1/8"=1'-0"



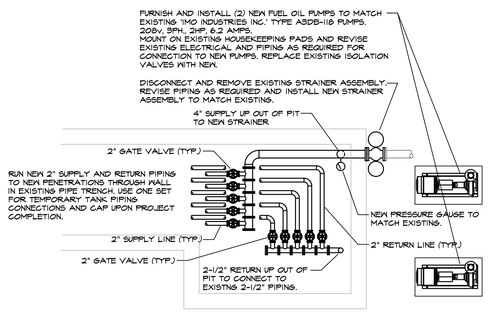

7 MP101 TYP. WALL PENETRATION DETAIL

NOT TO SCALE



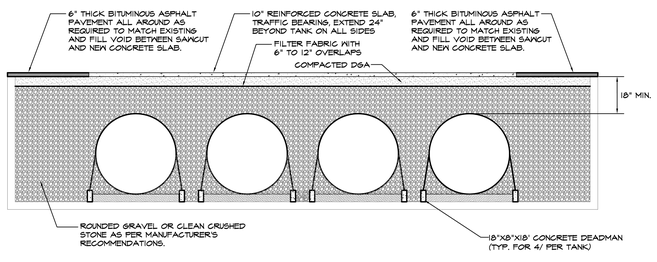

8 MP101 DE-WATERING WELL

NOT TO SCALE



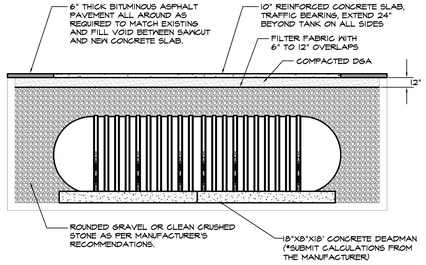

3 MP101 NEW MANIFOLD PIPING DETAIL

NOT TO SCALE



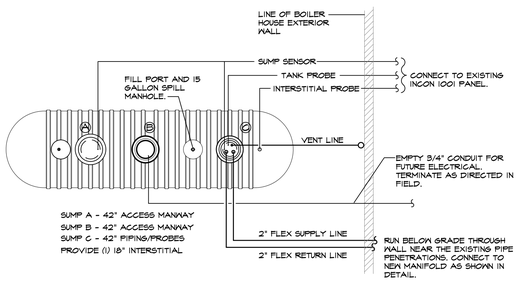

4 MP101 STORAGE TANK INSTALLATION SECTION A - A

NOT TO SCALE




5 MP101 STORAGE TANK INSTALLATION SECTION B - B

NOT TO SCALE




6 MP101 TYP. STORAGE TANK PIPING AND WIRING SCHEMATIC

NOT TO SCALE

# 100% FINAL SUBMISSION

| Revisions: | Date |
|---|---|
| 100% Final Submission | 5-23-12 |
| 100% Design Review Submission | 5-15-12 |
| 95% Design Review Submission | 4-26-12 |
| 65% Design Review Submission | 3-30-12 |

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Drawing Title: NEW 20,000 GALLON BELOW GROUND STORAGE TANKS INSTALLATION PLAN

Approved: Project Director

Project Title: BOILER PLANT STORAGE TANK REPLACMENT
385 TREMONT AVENUE
EAST ORANGE, NJ 07018

Location: East Orange Campus

Date: May 15 , 2012 | Checked: LJM | Drawn: CLM

Project Number: 561-10-139

Building Number: 8

Drawing Number: MP101

Dwg. 4 of 4

Office of Construction and Facilities Management

Department of Veterans Affairs

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