NYSEG

NEW YORK STATE ELECTRIC & GAS CORPORATION
Licensing & Environmental Operations Department
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WORK PLAN

Soil Removal For

Damaschke Field Training Facility Addition foundation
and
Gas Service to Air Sparge/ SVE System Equipment Building

Oneonta Former MGP Site
Oneonta, Otsego County, New York

Prepared By:

5/18/98
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Approved By:

Joseph M Simone 5/18/98
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Program Manager

1.0 INTRODUCTION

This Work Plan describes the soil removal, approximately 200 tons, for the Damaschke Field Training Facility Addition foundation (26 feet X 50 feet) and gas service (110 feet) to Air Sparge/ SVE System Equipment Building located on the Oneonta Former MGP site located in the City of Oneonta, Otsego County, New York. The Work Plan will be undertaken by NYSEG (New York State Electric & Gas Corporation) and will involve excavation with off-site landfill of Site MGP residues.

2.0 PREREMEDIATION SAMPLING AND ANALYSIS

On March 27, 1998, NYSEG conducted an in situ sampling event in the area proposed for the Training Facility Addition. This sampling event was conducted in accordance with the *In Situ Sampling and Analysis Protocol For Building Addition activities at the Oneonta Former MGP Site*, submitted to the New York State Department of Environmental Conservation (NYSDEC) on March 12, 1998, and approved by your Department.

Laboratory analytical results for the in situ soil samples collected at the Oneonta former MGP site were submitted to the NYSDEC on April 6, 1998. These data indicate that the soil to be excavated is a RCRA nonhazardous waste and may be transported to an industrial solid waste facility for disposal.

2.0 NOTIFICATION

Prior to any on-site construction activities, the Underground Facility Protection Organization (UFPO) will be notified, and all underground utilities will be marked in the field.

3.0 AIR SPARGE/ SVE SYSTEM OPERATIONS

During site activities by NYSEG and General Contractor, the Air Sparge/ SVE System will be partially shutdown. The western portion of the Air Sparge Wells ASW -1 through ASW -6 will be shut off and tagged out. The entire Horizontal Vent Line will remain in operation.

4.0 EXCAVATION

The procedures that will be implemented during all excavation activities are as follows: The excavation of soil will be accomplished through open-cut excavation techniques which require sloping or benching of the excavation side walls at a minimum of one and one-half horizontal to one vertical ratio to minimize sloughing or collapse of adjacent soils. Excavation will be supervised by a competent person (29 CFR 1926.650) to maintain compliance with the Occupational Safety and Health Administration's (OSHA's) excavation standards. The soil will be removed using a Komatsu PC150 Track-hoe and placed into dump trailers.

If Tarry Waste (grossly contaminated soil, often with visible free phase coal tar present) is encountered it will be placed on 10 mil reinforced polyethylene sheeting (west of the Air Sparge/SVE System Equipment Building), sampled and covered with 10 mil reinforced polyethylene sheeting. Samples will be biased to collect the samples from the material which appears most impacted by coal tar

Odors or fugitive vapors which could potentially emanate from this excavation will be actively controlled by misting the excavated area with BIO SOLVE®, an emission suppressant, and by covering the excavation with polyethylene sheeting should it need to remain overnight. The BIO SOLVE® will be applied using a pressure washer or pump. A worker will be available for dedicated operation of this equipment if required.

Dust will be actively controlled by misting the excavated area and access road with water.

4.1 Field Training Facility Addition foundation

Excavation for the footprint of the foundation will be 4 feet wide X 5 feet deep. The area under the concrete floor will be 1 foot deep. Benching will be 1 foot deep around the perimeter of the foundation excavation (see Figure 2).

If groundwater in encountered prior to reaching the full depth of the excavation, then the excavation will be halted. NYSEG does not plan on dewatering excavation. The excavation will be filled above the water table. Work would resume once the water table has dropped below bottom of excavation.

4.2 Gas Service to Air Sparge/ SVE System Equipment Building

Excavation for the gas service will be 3 feet wide X 18 inches deep (see Figure 2). The area between the Locker Room and the Air Sparge/ SVE System Equipment Building has previously been excavated to a depth of 2 feet.

5.0 EQUIPMENT, VEHICLE, AND DEBRIS DECONTAMINATION

An Equipment contamination reduction zone will be constructed using 8" X 8" timbers along the perimeter. Then 10 mil reinforced polyethylene sheeting will be placed over the timbers and secured by nailing wooden batten to the timbers.

The tires, tracks, undercarriages, and excavation buckets of all vehicles and construction equipment which enter the work zone will be decontaminated at the contamination reduction zone prior to entering the clean zone. Decontamination procedures include the physical/mechanical removal of dirt, etc., including high-pressure washing.

Trucks transporting soil off site will be staged in the contamination reduction zone and placed on 6 mil polyethylene sheeting. Care will be exercised when loading trucks not to spill material on the outside of the trucks. Prior to leaving the contamination reduction zone, truck tires will be inspected and cleaned with brushes as required. In addition trucks will be tarped in the contamination reduction zone. Before staging another truck, the 6 mil polyethylene sheeting will be either cleaned or replaced.

6.0 WASTE TRANSPORTATION AND DISPOSAL

The transportation of soil will be accomplished by a transportation contractor in accordance with the NYSEG specification for the *Transportation of Solid/or Liquid Materials*. All truck drivers leaving the site must have either a Hazardous Waste Manifest or a Nonhazardous Solid Waste Manifest signed by NYSEG and the driver.

Truck route from site will be as follows: left onto Gas Avenue; right onto Market Street; left onto Division Street; left onto Grand Street; right on Main Street; right onto Lettice Highway; and right onto I88 (Exit 15).

The nonhazardous soil will be disposed of at Seneca Meadow's Nonhazardous Industrial Solid Waste Landfill, Waterloo, New York. Tarry waste will be stockpiled as described in Section 4.0, sampled and characterized in accordance with the acceptance requirements of the landfill permitted to accept the material. Upon receipt of favorable laboratory analytical results, the material will be transferred into a truck and transported off-site for disposal at a properly permitted landfill.

7.0 WASTEWATER

The wastewater generated during equipment decontamination will be collected and stored in 1,500 gallon tanks. The tank's contents will be sampled and characterized in accordance with the acceptance requirements of the facility permitted to accept the wastewater. Upon receipt of favorable laboratory analytical results, the wastewater will be transferred into a tank truck and transported off-site for disposal at a properly permitted facility.

8.0 AIR-QUALITY MONITORING PLAN

8.1 Real-Time Air Monitoring - Volatile Organic Compounds

Real-time air quality data will be collected from the perimeter of the exclusion zones using portable instrumentation. Four site monitoring stations will be established. Each station will be located along the perimeter of the exclusion zones and will be designated as Real-time Stations 1 through 4.

Real-time monitoring will commence at the start of each work day and will continue until excavation activities have ceased. The real-time data generated will allow the site construction supervisor to determine if air quality at the exclusion zone perimeter is being impacted by excavation activities and whether excavation activities should be suspended.

Real-time monitoring will be accomplished using a total volatile organic analyzer equipped with a photo ionization detector (PID) and a 10.2-eV lamp (Mini-RAE™ or equivalent), which will be calibrated daily to benzene with an isobutylene air standard. Monitoring will be undertaken at each monitoring station at least hourly during the course of excavation activities. Results will be recorded in a log book and will be maintained on-site for review.

An action level of 5 ppm total volatiles will be used at the perimeter of the exclusion zone, in accordance with OSHA short-term exposure limits (STEL) for benzene. If contaminant levels in the air exceed the total volatile air-quality action level of 5 ppm, the site construction supervisor will be promptly notified and excavation activity will be suspended. NYSEG may elect to resume excavation activities using a mist of BioSolve in the area of excavation such that the total volatile air-quality action level of 5 ppm is not exceeded. BioSolve will be used to control ordor as well, as described in Section 4.0

8.2 Real-Time Air Monitoring - Total Suspended Particulates

In conjunction with the real-time hourly volatile emission monitoring, a Mini Ram™ will be used to collect real-time airborne particulate data. Real-time particulate measurements will be based on a 30-second, time-weighted average. The Mini Ram™ will be calibrated daily with a filtered air sample.

A New York State action level of 0.15 mg/m^3 for particulate matter will be used to determine whether modifications to excavation activities are required. If the site particulate measurement is greater than 0.15 mg/m^3, or if dust is observed leaving the work site, dust suppression techniques (i.e., misting surfaces with water or covering open piles) will be implemented to reduce the generation of fugitive dust. Results will be recorded in a log book and will be maintained on-site for review.

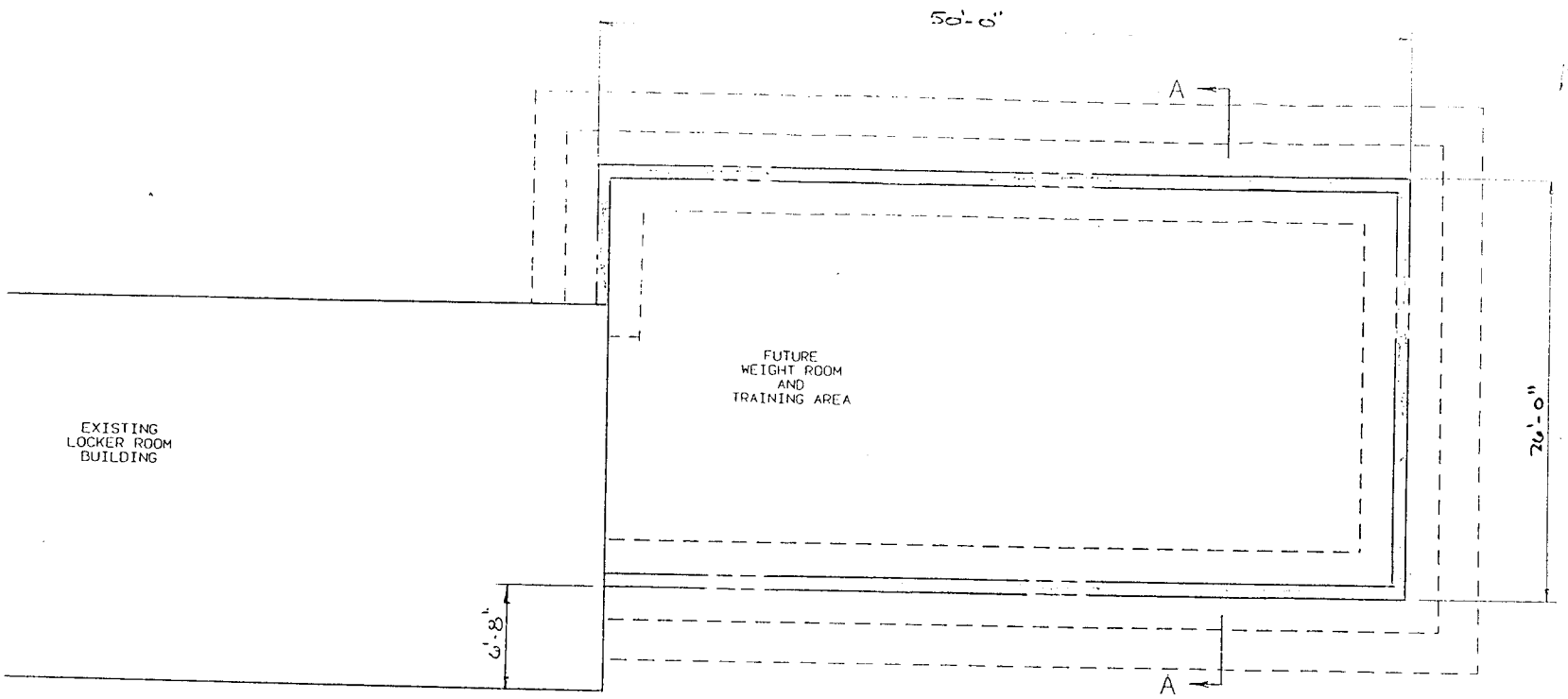
9.0 POST EXCAVATION

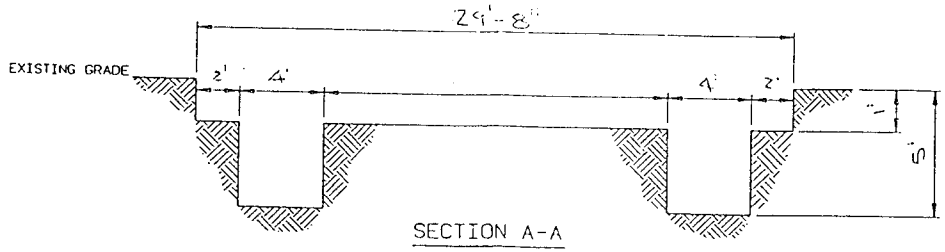
Confirmation soil sampling and analyses plan will be implemented to determine the concentration of compounds remaining on the site following excavation. These data will be used to determine if indoor air sampling is warranted to assure no impact from MGP related soil vapor.

A polyethylene liner will be placed at the bottom of the excavation. The General Contractor will place a minimum of 6 inches of item #4 over the polyethylene prior to installing footers and floor.

Monitoring Well #7 will be removed during excavation. After backfilling around building foundation is completed by the General Contractor, a new Monitoring

Well # 7 will be installed. If additional monitoring wells are disturbed they will be replaced. If additional monitoring wells are required they will be installed.





SECTION A-A

NYSEG New York State Electric & Gas Corporation

DAMASCHKE FIELD
ONEONTA YANKEES
TRAINING FACILITY

ONEONTA, NEW YORK

SCALE:
DATE:

DWG.NO. FIG. 1

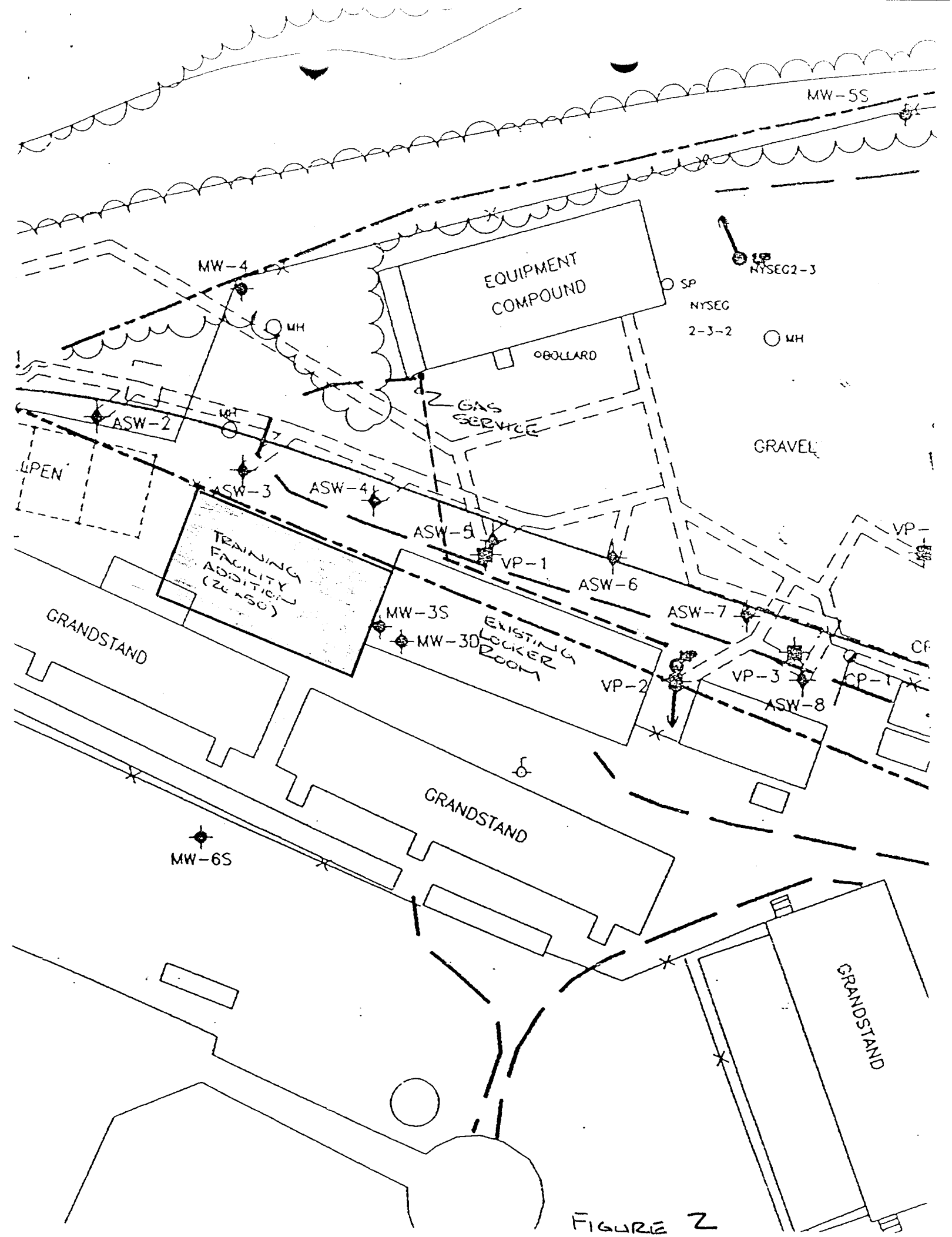
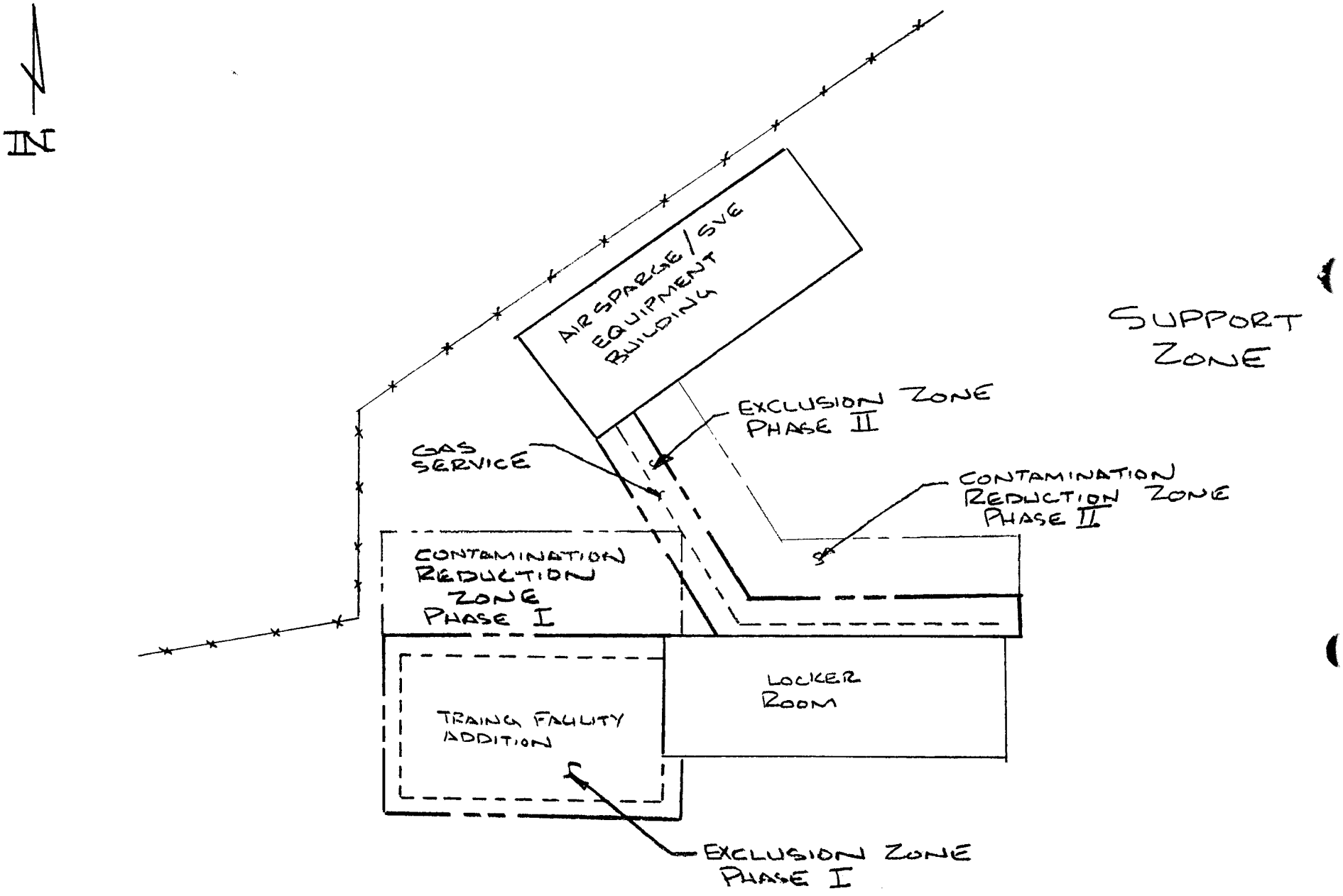

MW-5S
MW-4
EQUIPMENT COMPOUND
SP NYSEG 2-3-2
UP NYSEG2-3
MH
MH
BOLLARD
GAS SERVICE
GRAVEL
ASW-2
ASW-3
ASW-4
ASW-5
ASW-6
ASW-7
ASW-8
VP-1
VP-2
VP-3
VP-
CP-1
MW-3S
MW-3D
MW-6S
TRAINING FACILITY ADDITION (24'x50')
EXISTING LOCKER ROOM
GRANDSTAND
GRANDSTAND
GRANDSTAND

FIGURE 2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AIR SPARGE / SVE EQUIPMENT BUILDING
SUPPORT ZONE
EXCLUSION ZONE PHASE II
GAS SERVICE
CONTAMINATION REDUCTION ZONE PHASE II
CONTAMINATION REDUCTION ZONE PHASE I
LOCKER ROOM
TRAING FACILITY ADDITION
EXCLUSION ZONE PHASE I

FIGURE 3