



**Consolidated Edison Company of New York, Inc.
Astoria Hazardous Waste Storage Facility
Interim Operating Procedures**

AUGUST 2003
UPDATED MAY 2011
UPDATED DECEMBER 2011



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**ASTORIA HAZARDOUS WASTE STORAGE FACILITY
CONSOLIDATED EDISON COMPANY OF NEW YORK, INC.
LONG ISLAND CITY, NEW YORK**

INTERIM OPERATING PROCEDURES

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INTERIM OPERATING PROCEDURES**

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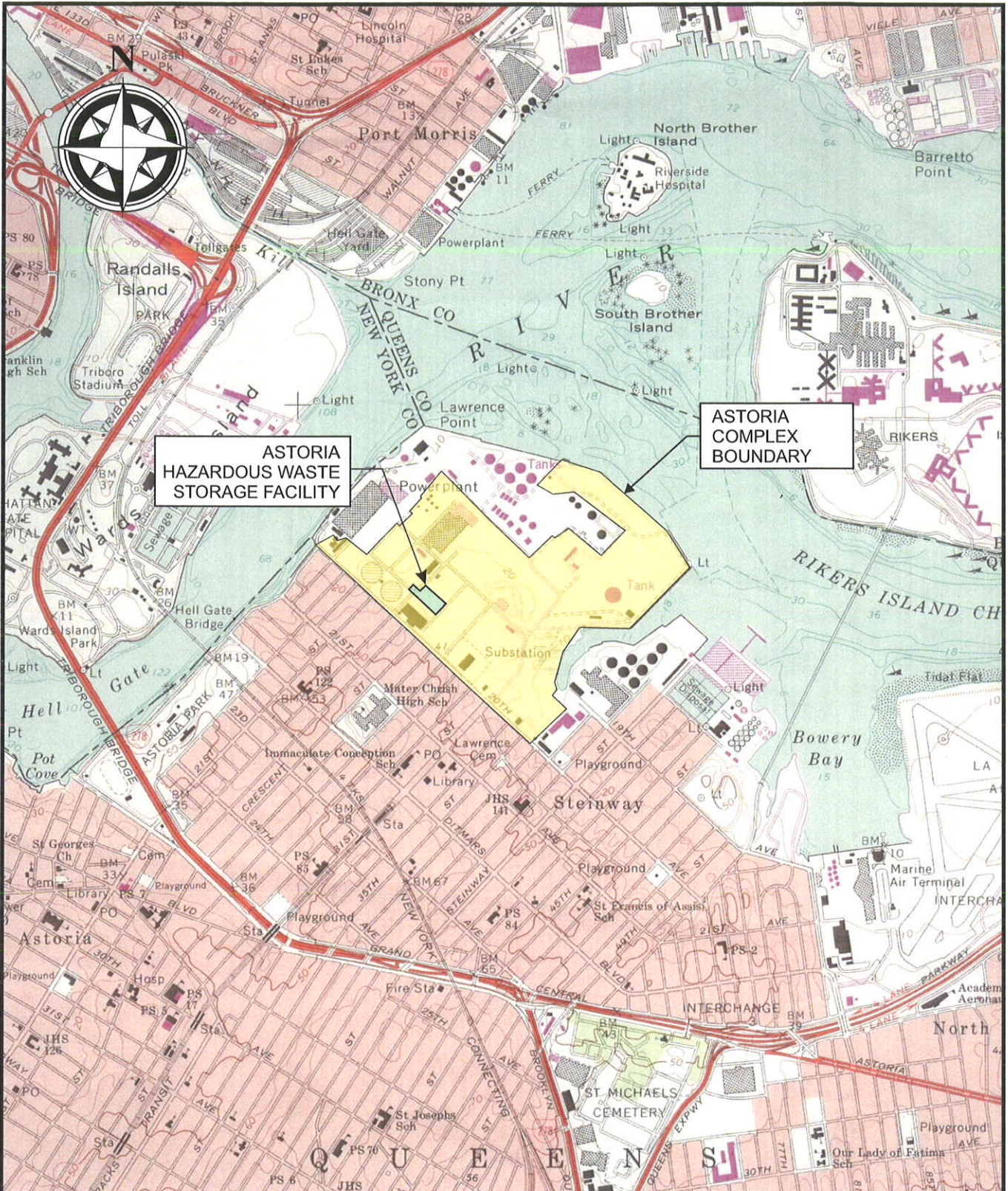
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1.0 INTRODUCTION

The purpose of this document is to provide a series of procedures for the management of hazardous waste at the Consolidated Edison Company of New York, Inc. (Con Edison) Astoria Hazardous Waste Storage Facility located in Long Island City, New York (see Figure 1-1) during the construction of a concrete secondary containment area in the PCB Canopy Area and the remedial activities to be undertaken within the North Storage Yard. The Astoria Hazardous Waste Storage Facility maintains a Part 373 Permit issued by the New York State Department of Environmental Conservation (NYSDEC) for the storage of hazardous waste. Since many of the operations specified in the Astoria Hazardous Waste Storage Facility Part 373 Permit are conducted in areas which will be affected by these two upcoming projects, these operations must be relocated to other areas within the permitted facility in order to allow construction of the new concrete secondary containment area and remediation of the North Storage Yard. Following completion of the remediation and construction activities, all operations will be reestablished in their original locations and resume as presented in the Astoria Hazardous Waste Storage Facility Part 373 Permit. In addition to the Astoria Hazardous Waste Storage Facility, remediation of the adjacent Transformer Shop Storage Yard will be undertaken concurrently. Collectively, these two areas are herein referred to as the North Storage Yard.

Section 2.0 of this document presents the Interim Operating Procedures to be undertaken during the course of the projects and Section 3.0 describes the Part 373 Permit modification which will be advanced to describe the relocation of certain activities once the containment area is constructed.



SOURCE: U.S.G.S. QUADRANGLE - CENTRAL PARK, NEW YORK (Photorevised 1979)

APPROXIMATE SCALE 1" = 2000'

RLAVCNED2319(02/16/11)

CON EDISON
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 LONG ISLAND CITY, NEW YORK

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SITE LOCATION MAP

FIGURE 1-1

2.0 INTERIM OPERATING PROCEDURES

The North Storage Yard remediation project and PCB Canopy Area secondary containment area construction project will be conducted in three distinct phases. The following provides a brief description of the activities to be undertaken during each phase of the remediation and construction activities:

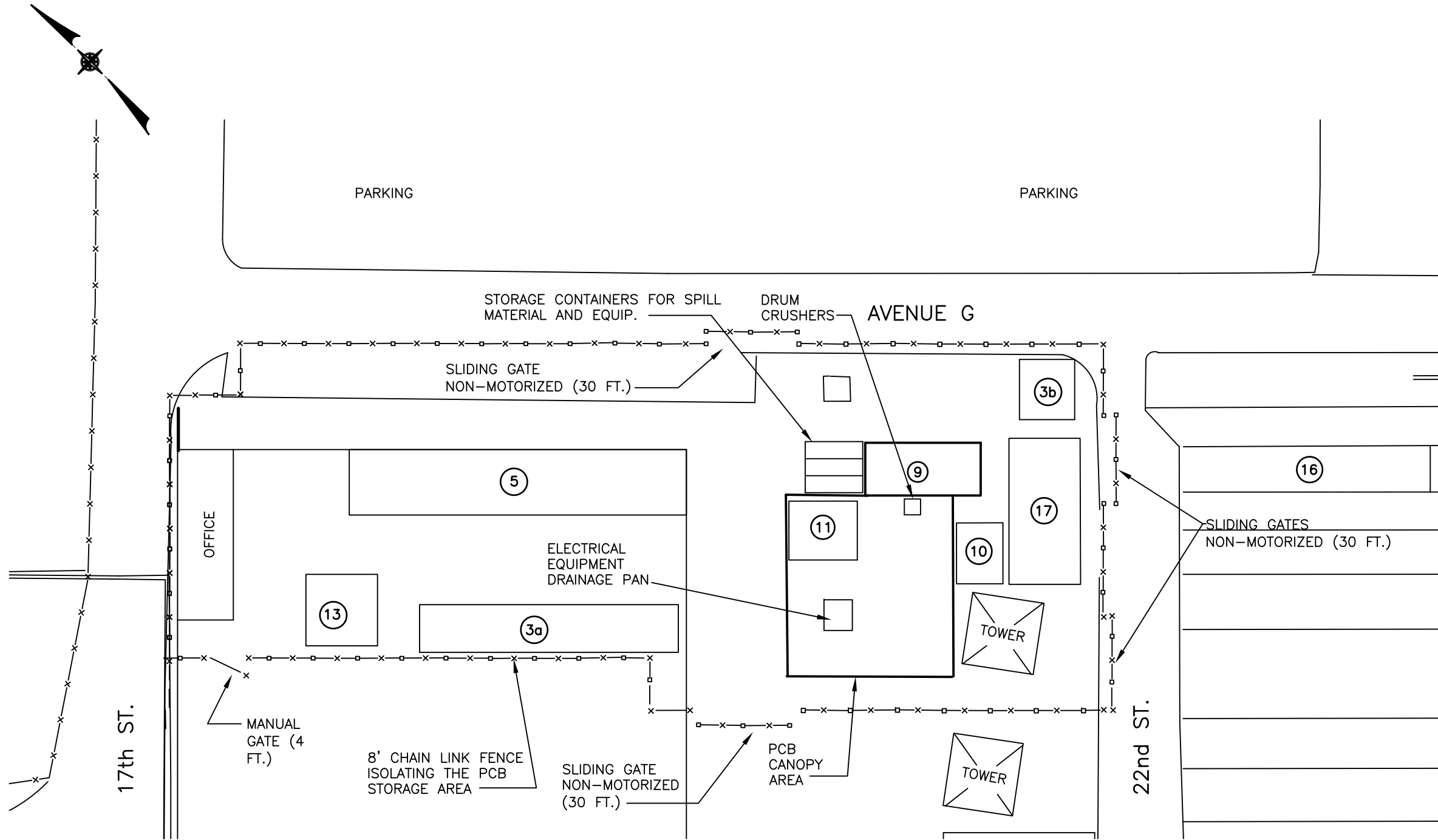
- Phase 1: Soil will be excavated from the PCB Canopy Area and surrounding area, and transported off-site for proper disposal. The resulting excavation will be backfilled as necessary to allow construction of the concrete secondary containment area within the area.
- Phase 2: The concrete secondary containment area will be constructed within the PCB Canopy Area along with all drainage structures necessary to properly manage storm water. Concrete will be installed immediately surrounding the new containment area.
- Phase 3: Soil will be excavated from the western portion of the Astoria Hazardous Waste Storage Facility and transported off-site for proper disposal during the North Storage Yard remediation project. The excavation will be backfilled and the area paved with concrete.

The project phases described above will be conducted consecutively with a subsequent phase initiated only following completion of the previous phase. In this manner, the operations currently conducted in the Astoria Hazardous Waste Storage Facility will not be interrupted even though some of the operations will have to be temporarily relocated within the permitted facility. Adequate time will be allotted between phases to allow relocation of all affected operations.

The following sections provide a description of the operations conducted in the Astoria Hazardous Waste Storage Facility, which must be temporarily relocated in order to allow remediation of the North Storage Yard and construction of the concrete secondary containment area in the PCB Canopy Area. A figure showing the current facility layout and areas is provided as Figure 2-1.

LEGEND

- ③a TEMPORARY STAGING OF ELECTRICAL EQUIPMENT.
- ③b ELECTRICAL EQUIPMENT SWITCH REMOVAL AREA.
- ⑤ POLE-TYPE TRANSFORMER STORAGE AREA.
- ⑨ PCB STORAGE BUILDING.
- ⑩ NON-LIQUID PCB WASTE DRUM STORAGE AREA.
- ⑪ NON-LIQUID WASTE ROLL-OFF CONTAINER STORAGE AREA.
- ⑬ DRAINED PCB EQUIPMENT STORAGE AREA.
- ⑯ RCRA/PCB LIQUID WASTE STORAGE CABINETS.
- ⑰ NON-LIQUID RCRA WASTE DRUM STORAGE AREA.



**CON EDISON
ASTORIA HAZARDOUS WASTE STORAGE FACILITY
INTERIM OPERATING PROCEDURES
CURRENT OPERATIONS**

SCALE: N.T.S.

FIGURE 2-1



2.1 PCB Canopy Area

The PCB Canopy Area is affected by Phases 1 and 2 described previously. The following operations described in the Astoria Hazardous Waste Storage Facility Part 373 Permit and undertaken within the PCB Canopy Area are affected by Phases 1 and 2:

- Area 3b – Electrical Equipment Switch Removal Area
- Area 9 – PCB Storage Building
- Area 10 – Non-Liquid PCB Waste Drum Storage Area
- Area 11 – Non-Liquid Waste Roll-off Container Storage Area
- Area 17 – Non-Liquid RCRA Waste Drum Storage Area
- Electrical Equipment Drainage Pan
- Electric Drum Crushers

In order to complete Phases 1 and 2, the operations undertaken in Area 3b, Area 10, Area 11, Area 17, the Electrical Equipment Drainage Pan and the Electric Drum Crushers will be relocated to other areas within the Astoria Hazardous Waste Storage Facility. The operations undertaken within Area 9 will primarily continue undisturbed. The following table summarizes the interim operating procedures to be undertaken within each of the areas listed above during Phases 1 and 2.

| Area to be Relocated | Interim Operation/Location | Waste Description (waste codes) |
|-----------------------------|--|--|
| Area 3b | Will be relocated to Area 3a. All of the operations currently undertaken in this area will continue unchanged in the interim location. This area is surfaced with asphalt. | Network transformers (nonhazardous) |

| Area to be Relocated | Interim Operation/Location | Waste Description (waste codes) |
|-----------------------------|---|---|
| Area 9 | Will remain in its current location. All of the operations currently undertaken in this area will continue unchanged. | Network and pole-type transformers, articles, and drummed waste (B001 to B007, D004 to D011, D018, D022 to D025, F001 to F003, F005) |
| Area 10 | The drums currently managed in this area will be managed either in an area established in Area 5, in Area 9 (B007, D004 through D011, D018, D022 through D025, F001 through F003 and/or F005 wastes only), at an off-site TSDF, or on a 10-day trailer, at Con Edison's discretion. The 10-day trailer truck will be located in the area north of Area 3a and south of Area 5. The 10-day trailer truck will be operated in accordance with the requirements of 6 NYCRR 372.3(a)(6) and (7). Incoming trucks containing non-liquid waste drums will be off-loaded directly onto the 10-day trailer truck. This area is surfaced with asphalt. | Non-liquid drums (B007, D004 to D011, D018, D022 to D025, D035, D037, D039, D040, F001 to F003, F005, U002, U007, U051, U052, U056, U151, U154, U159, U165, U220, U226, U239) |
| Area 11 | Roll-off containers will not be utilized during Phases 1 and 2. As a result, this area will not exist during the interim operations. | Not applicable |
| Area 17 | The drums currently managed in this area will be managed either in an area established in Area 5, in Area 9 (B007, D004 through D011, D018, D022 through D025, F001 through F003 and/or F005 wastes only), at an off-site TSDF, or on a 10-day trailer, at Con Edison's discretion. The 10-day trailer truck will be located in the area north of Area 3a and south of Area 5. The 10-day trailer truck will be operated in accordance with the requirements of 6 NYCRR 372.3(a)(6) and (7). Incoming trucks containing non-liquid waste drums will be off-loaded directly onto the 10-day trailer truck. This area is surfaced with asphalt. | Non-liquid drums (B007, D004 to D011, D018, D022 to D025, D035, D037, D039, D040, F001 to F003, F005, U002, U007, U051, U052, U056, U151, U154, U159, U165, U220, U226, U239) |

| Area to be Relocated | Interim Operation/Location | Waste Description (waste codes) |
|-----------------------------------|--|--|
| Electrical Equipment Drainage Pan | Will be relocated to an area northwest of Area 5. The pan will be utilized as usual in the interim location. Con Edison will not drain equipment during inclement weather. This area is surfaced with asphalt. | Network and pole-type transformers, and oil drums (B001 to B006) |
| Electric Drum Crushers | Since drums will not be consolidated into roll-off containers during Phases 1 and 2, these drum crushers will not be utilized during the interim operations. | Not applicable |


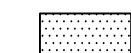




Figure 2-2 shows the interim locations where each of the affected operations presented above will be conducted in order to undertake Phases 1 and 2. As indicated on Figure 2-2, temporary fencing will be erected to ensure the waste storage areas are fully fenced. Prior to initiation of Phases 1 and 2, the emergency equipment located in and around the canopy will be relocated to western portion of the facility as shown on Figure 2-2. All waste stored in each area listed in the table above is compatible.

Con Edison will utilize the following alternatives for the management of non-liquid hazardous waste drums in priority order during Phases 1 and 2:

- Non-liquid hazardous waste drums will be stored in a new area established in the western portion of Area 5 as shown on Figure 2-2.
- Non-liquid hazardous waste drums containing waste codes B007, D004 through D011, D018, D022 through D025, F001 through F003 and/or F005 will be placed within Area 9 for storage prior to off-site transportation for disposal.
- Non-liquid hazardous waste drums will not be accepted at the Astoria Hazardous Waste Facility and will be managed at an off-site transfer, storage or disposal facility (TSDF).
- Non-liquid hazardous waste drums will be placed on a 10-day trailer truck staged within the Astoria Hazardous Waste Storage Facility for temporary storage prior to off-site transportation for disposal.

LEGEND

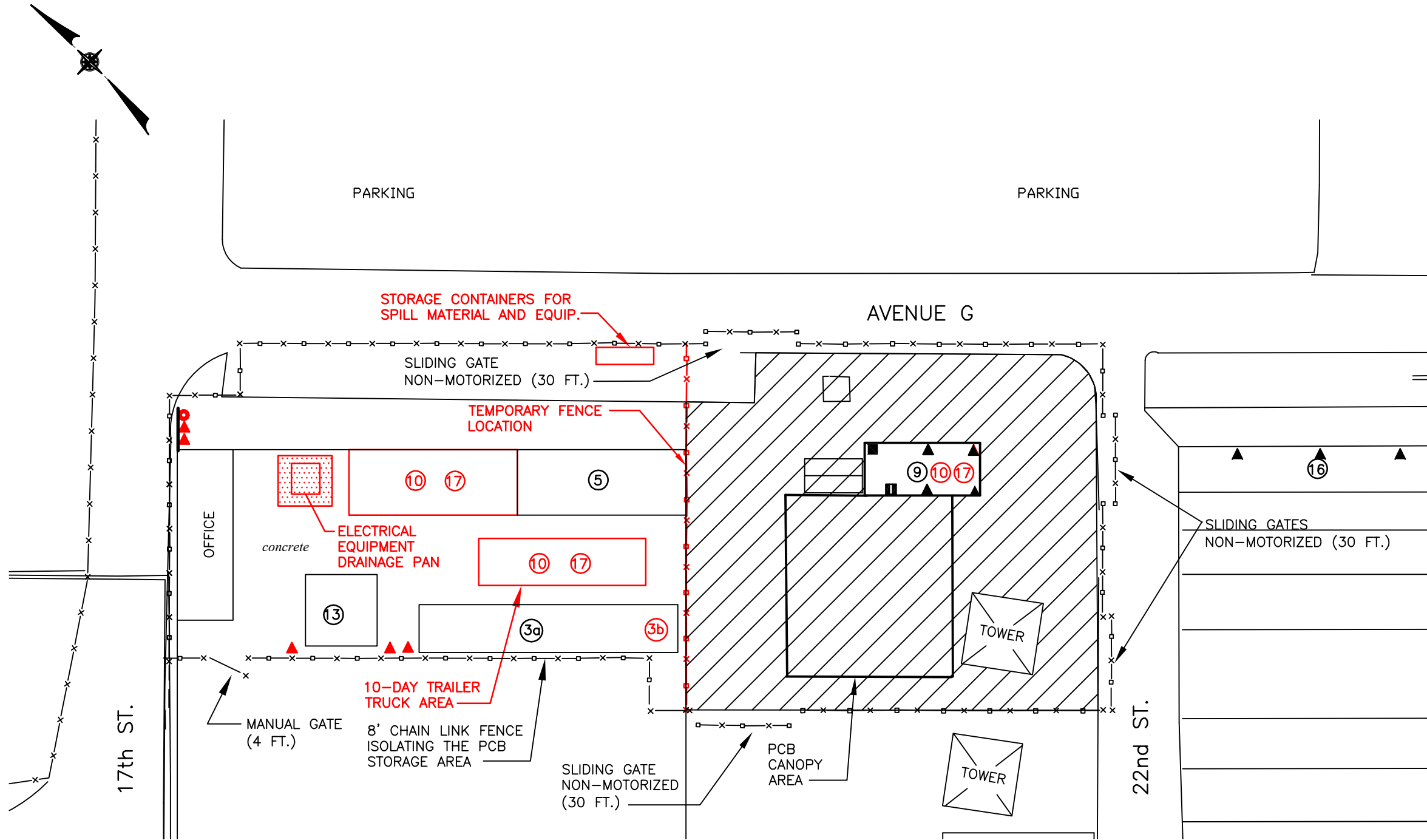
- ③a TEMPORARY STAGING OF ELECTRICAL EQUIPMENT.
- ③b ELECTRICAL EQUIPMENT SWITCH REMOVAL AREA.
- ⑤ POLE-TYPE TRANSFORMER STORAGE AREA.
- ⑨ PCB STORAGE BUILDING.
- ⑩ NON-LIQUID PCB WASTE DRUM STORAGE AREA.
- ⑬ DRAINED PCB EQUIPMENT STORAGE AREA.
- ⑯ RCRA/PCB LIQUID WASTE STORAGE CABINETS.
- ⑰ NON-LIQUID RCRA WASTE DRUM STORAGE AREA.

-  AREA OF REMEDIATION
-  PORTABLE CANOPY
-  SPILL KIT
-  SPEEDY DRY
-  FIRE EXTINGUISHER
-  SHOWER

NOTE:

1. ITEMS NOTED IN RED ARE TEMPORARY LOCATIONS.

PHASE DESCRIPTION: DURING PHASE 1, SOIL WILL BE EXCAVATED FROM THE PCB CANOPY AREA AND SURROUNDING AREA, AND TRANSPORTED OFF-SITE FOR PROPER DISPOSAL. THE RESULTING EXCAVATION WILL BE BACKFILLED AS NECESSARY TO ALLOW CONSTRUCTION OF THE CONCRETE CONTAINMENT AREA BENEATH THE CANOPY. DURING PHASE 2, THE CONCRETE CONTAINMENT AREA WILL BE CONSTRUCTED WITHIN THE PCB CANOPY AREA ALONG WITH ALL DRAINAGE STRUCTURES NECESSARY TO PROPERLY MANAGE STORM WATER. CONCRETE WILL BE INSTALLED IMMEDIATELY SURROUNDING THE NEW CONTAINMENT AREA. AREAS 3a, 3b, 5, 10, 13, 17, THE OFFICE AND THE ELECTRICAL EQUIPMENT DRAINAGE PAN WILL BE RELOCATED TO THE WESTERN PORTION OF THE FACILITY TO FACILITATE THE REMEDIATION/CONSTRUCTION PROJECT.



F:\2319\2319-FIGURE 2-3r.dwg, Layout1, 11/16/2011 10:31:45 AM, KSGaul

It should be noted that special procedures and precautions will be implemented in order to utilize the PCB Storage Building (Area 9) while Phase 1 is being conducted. Routes into the building will be maintained as long as possible to allow equipment and drums to be placed in/removed from the building during Phase 1. Any excavation which prevents access to the building will be carefully planned and undertaken to minimize the amount of time access to the building is prevented. Access to the building will be restored as soon as practicable. Labels on all drums and equipment placed in the building will be checked prior to preventing access to ensure that no equipment/drum exceeds its maximum storage time limit. The operations conducted within the PCB Storage Building (Area 9) will not be affected to any great extent by Phase 2. In the event that access to the building cannot be maintained due to the construction activities, all waste stored within Area 9 will, prior to access being disrupted, either be transported off-site for proper management or relocated to another area within the Astoria Hazardous Waste Storage Facility permitted to store that waste. For example, drums containing liquid waste will be relocated to Area 16, and transformers and articles will be relocated to the Electrical Equipment Drainage Pan for temporary storage prior to transportation for off-site management. Once access to Area 9 is disrupted, drummed liquid waste destined for Area 9 will be placed in Area 16, and transformers and articles destined for Area 9 will be placed on the Electrical Equipment Drainage Pan. Alternatively, these wastes may be managed directly at an off-site TSDF rather than accepted at the Astoria Hazardous Waste Storage Facility. In the event that the emergency telephone located on the south wall of Area 9 becomes inaccessible, staff will be provided with two-way radios and/or cell phones for summoning emergency assistance in the event of an emergency.

Once Phases 1 and 2 are complete and the new concrete area has been inspected, all of the operations, which were moved to interim location, will be relocated back to their original locations as shown on Figure 2-1.

2.2 Western Portion of the Astoria Hazardous Waste Storage Facility

The western portion of the Astoria Hazardous Waste Storage Facility, that to the west of the PCB Canopy Area, is affected by Phase 3 described previously. The following operations

described in the Astoria Hazardous Waste Storage Facility Part 373 Permit and undertaken to the west of the PCB Canopy Area are affected by Phase 3:

- Area 3a – Temporary Staging of Electrical Equipment
- Area 5 – Pole-Type Transformer Storage Area
- Area 13 – Drained PCB Equipment Storage Area
- Office Trailer

In order to complete Phase 3, the operations undertaken in Areas 3a, 5, 13 and the Office Trailer will be relocated to other areas within the Astoria Hazardous Waste Storage Facility. The following table summarizes the interim operating procedures to be undertaken within each of the areas listed above during Phase 3.

| Area to be Relocated | Interim Operation/Location | Waste Description (waste codes) |
|-----------------------------|--|---|
| Area 3a | Will be relocated to Area 3b. All of the operations currently undertaken in this area will continue unchanged in the interim location. This area will be surfaced with concrete prior to the initiation of Phase 3. | Network transformers (nonhazardous) |
| Area 5 | The pole-type transformers currently managed in Area 5 will be placed on a 5-day trailer truck located in the area just north of Area 9. The 5-day trailer truck will be operated in accordance with the requirements of 6 NYCRR 360-1.7(b)(7). Incoming pole-type transformers will be placed directly onto the 5-day trailer truck. This area will be surfaced with concrete prior to the initiation of Phase 3. | Pole-type transformers (nonhazardous) |
| Area 13 | Will be relocated to the PCB Storage Building (Area 9). All of the operations currently undertaken in this area will continue unchanged in the interim location. The PCB Storage Building (Area 9) has a concrete containment area. | Drained network transformers (B005, B006) |
| Office Trailer | Will be relocated to the south of the PCB Canopy Area. All of the operations currently undertaken in this area will continue unchanged in the interim location. | Not applicable. |






Figure 2-3 shows the interim locations where each of the affected operations presented above will be conducted in order to undertake Phase 3. As indicated on Figure 2-3, temporary fencing will be erected to ensure the waste storage areas are fully fenced. Following Phase 2, the emergency equipment relocated prior to the Phase 1 activities will be relocated back to its original locations as shown on Figure 2-3. All waste stored in each area listed in the table above is compatible.

Once Phase 3 is complete, all of the operations which were moved to interim locations will be relocated back to their original locations as shown on Figure 2-1.

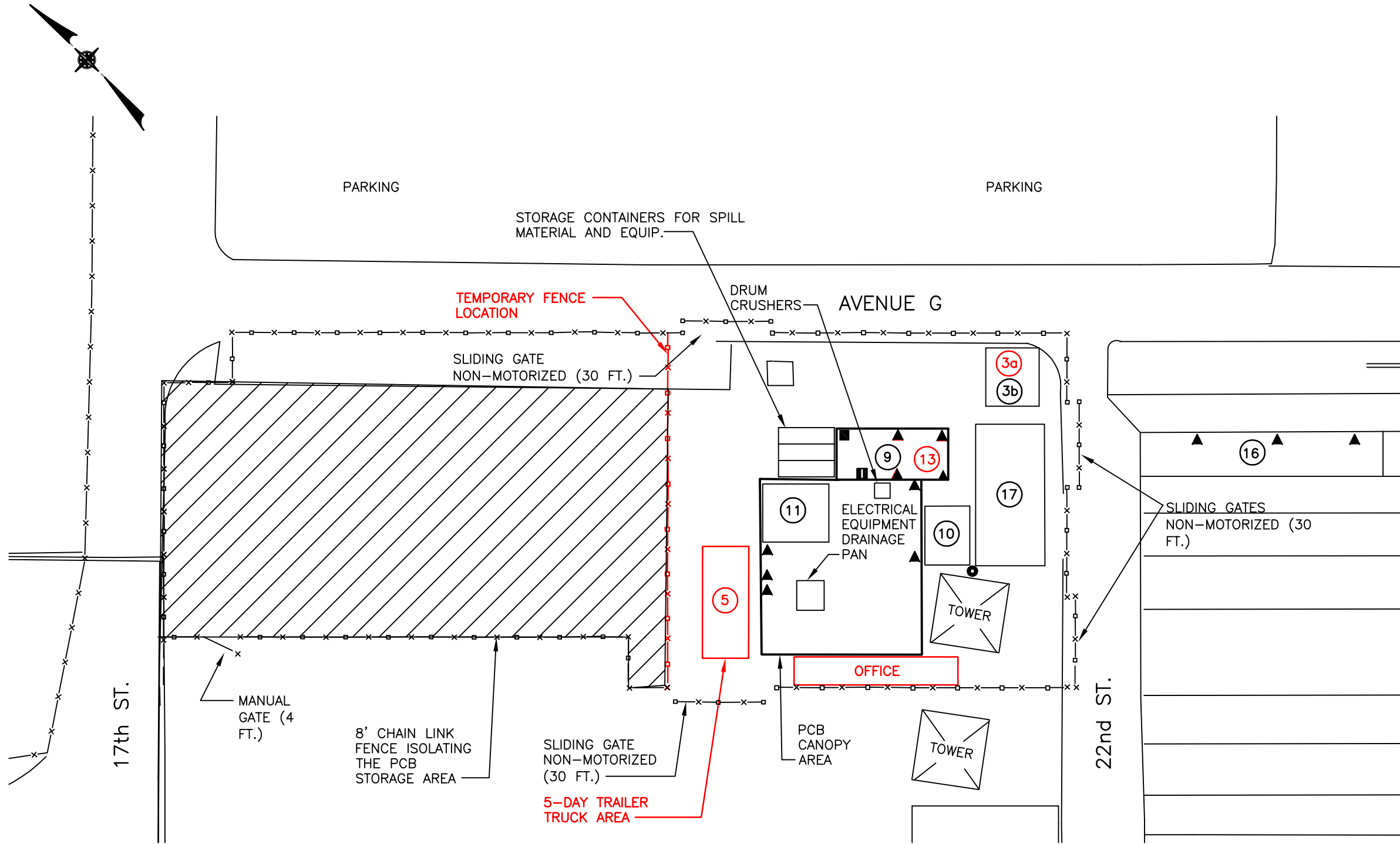
The tentative dates for initiation and completion of each project phase described in this section are as follows:

| <u>Project Phase</u> | <u>Construction Timeframe</u> |
|----------------------|---------------------------------|
| Phases 1 and 2 | March 2012 through July 2012 |
| Phase 3 | July 2012 through November 2012 |

LEGEND

- ③a TEMPORARY STAGING OF ELECTRICAL EQUIPMENT.
- ③b ELECTRICAL EQUIPMENT SWITCH REMOVAL AREA.
- ⑤ POLE-TYPE TRANSFORMER STORAGE AREA.
- ⑨ PCB STORAGE BUILDING.
- ⑩ NON-LIQUID PCB WASTE DRUM STORAGE AREA.
- ⑪ NON-LIQUID WASTE ROLL-OFF CONTAINER STORAGE AREA.
- ⑬ DRAINED PCB EQUIPMENT STORAGE AREA.
- ⑯ RCRA/PCB LIQUID WASTE STORAGE CABINETS.
- ⑰ NON-LIQUID RCRA WASTE DRUM STORAGE AREA.
-  AREA OF REMEDIATION
-  SPILL KIT
-  SPEEDY DRY
-  FIRE EXTINGUISHER
-  SHOWER

NOTE:
 1. ITEMS NOTED IN RED ARE TEMPORARY LOCATIONS.



PHASE DESCRIPTION: DURING PHASE 3, SOIL WILL BE EXCAVATED FROM THE WESTERN PORTION OF THE ASTORIA HAZARDOUS WASTE STORAGE FACILITY AND TRANSPORTED OFF-SITE FOR PROPER DISPOSAL DURING THE NORTH STORAGE YARD REMEDIATION PROJECT. THE EXCAVATION WILL BE BACKFILLED AND THE AREA PAVED WITH CONCRETE. AREAS 3a, 5, 13 AND THE OFFICE WILL BE RELOCATED TO THE EASTERN PORTION OF THE FACILITY TO FACILITATE THE REMEDIATION PROJECT.

F:\2319\2319-FIGURE 2-2r.dwg, Layout1, 11/16/2011 10:34:25 AM, KSGaul



**CON EDISON
 ASTORIA HAZARDOUS WASTE STORAGE FACILITY
 INTERIM OPERATING PROCEDURES
 PHASE 3 INTERIM OPERATIONS**

SCALE: N.T.S.

FIGURE 2-3

3.0 PART 373 PERMIT MODIFICATION

As stated previously, once the construction and remediation activities to be undertaken in the PCB Canopy Area are complete, all operations will be restored to their original area and resume as presented in the Astoria Hazardous Waste Storage Facility Part 373 Permit. All areas will be reestablished in the locations presented on Figure 2-1 of this Interim Operating Procedures report.

However, one change will occur following construction of the concrete containment area within the PCB Canopy Area: the entire Astoria Hazardous Waste Storage Facility will be surfaced with concrete and a new storm water drainage system will be installed. As a result of this change, as will be further specified in the subsequent permit modification, the Part 373 Permit for the Astoria Hazardous Waste Storage Facility will be modified to include the new containment area, as well as to update the surfacing material and drainage system located in the Astoria Hazardous Waste Storage Facility. The modification application will contain figures and specifications of the concrete cap and drainage system that were approved by the NYSDEC and United States Environmental Protection Agency as part of the North Storage Yard Remediation project. The Permit will be modified prior to construction of the concrete containment area, and the new procedures will be implemented following construction and inspection of the concrete containment area.

Con Edison has updated the figures provided in Section 2.0 of this document to specify the relocation of emergency equipment and fencing during the construction activities. Basically, as shown on the figures, emergency equipment in the affected areas will be relocated to operational areas and temporary fencing will be erected to ensure the waste storage areas are fully fenced. During the Phase 3 activities, the emergency equipment locations will remain unchanged; during Phases 1 and 2, the emergency equipment located in and around the canopy will be relocated to western portion of the facility (see Figure 2-2); lastly, following Phase 2, the emergency equipment will be relocated back to its original locations as noted in the existing Part 373 Permit.