APPENDIX X

PROJECT PHOTO LOG (CD)

APPENDIX X: DIGITAL IMAGES OF REMEDIAL ACTIVITIES
ATLAS PARK – PARCEL B

Building 3 Area Images

Con Edison Transformer Vault and Electrical Room

3-1-1. Photograph depicts stairs leading down to electrical room.
3-1-2. Photograph depicts interior of former electrical room concrete vault.
3-1-3. Photograph depicts entrance to electrical room vault.
3-1-4. Photograph depicts electrical equipment in the center of the former electrical room.
3-1-5. Photograph depicts possible former transformer pad below stairs.
3-1-6. Photograph depicts possible former transformer pad below stairs.
3-1-7. Photograph depicts former stair well leading to electrical room.
3-1-8. Photograph depicts equipment in Con Ed transformer vault.
3-1-9. Photograph depicts drain structure in Con Ed transformer vault.
3-1-10. Photograph depicts drain structure and conduits in Con Ed transformer vault.
3-1-11. Photograph depicts cleaning of the transformer vault interior.
3-1-12. Photograph depicts Vacuum truck removing waste liquid from the vault
3-1-13. Photograph depicts equipment in Con Ed transformer vault.
3-1-14. Photograph depicts equipment in Con Ed transformer vault.

Drain Exploration and Pipe Chase

3-2-1. Photograph depicts floor drain and contents at the time of discovery.
3-2-2. Photograph depicts floor drain and contents at the time of discovery.
3-2-3. Photographs depict pipes leading from the floor drain to the building exterior.
3-2-4. Photograph depicts pipes leading from the floor drain to the building exterior.

Air Sparging/Soil Vapor Extraction System (AS/SVE) Pilot Test

3-3-1. Monitoring vapor and pressures at vapor extraction monitoring well point
3-3-2. Vapor extraction well head with flow meter and SVE blower connection pipe
3-3-3. Portable pilot test trailer with SVE blower, sparge compressor, and carbon units
3-3-4. Carbon treatment units
3-3-5. SVE monitoring well point with magnahelic vacuum gauges.
3-3-6. Vapor monitoring with a PID at an SVE monitoring well.
3-3-7. Vapor extraction well head connected to SVE blower system
3-3-8. Air Sparge well connected to sparge compressor inside pilot trailer

AS/SVE System Images

3.4.1 Header pipe trench excavation.

3.4.2 Header pipe and lateral piping connecting to vapor extraction and air sparge wells.
3.4.3 Backfilling the header pipe trench with ¾-inch clean stone
3.4.4 AS and SVE system wells side by side.
3.4.5 Valve and connection tee for AS well.
3.4.6 Valve and connection tee for SVE well.
3.4.7 Header piping run into the building where it connects to metal riser piping and runs to the rooftop treatment system.
3.4.8 AS and SVE system wells side by side.
3.4.9 Treatment Unit Pic #1
3.4.10 Treatment Unit Pic #2
3.4.11 Metal carbon canisters next to treatment unit on Building 3 rooftop.
3.4.12 Treatment Unit without enclosure.

Sub-Slab Depressurization System (SSDS)

3.5.1 4-inch black steel riser pipe going through first floor
3.5.2 Riser pipe sticking out of rooftop
3.5.3 Manifold system for two suction pits
3.5.4 Small SSD blower unit in lower right
3.5.5 Suction trench for depressurization of the elevator shaft
3.5.6 Suction pit construction
3.5.7 Trenched piping from suction pit to riser location
3.5.8 Trenched piping from suction pit to riser location

Building 4 and 6 SSDS

Building 4 SSDS

4.1.1 Column cut-out and expansion joints in concrete floor (require sealing)
4.1.2 Sealed concrete expansion joints
4.1.3 Sealing concrete expansion joints
4.1.4 Preparing column for sealing
4.1.5 Preparing column for sealing
4.1.6 SSDS blower unit
4.1.7 SSDS blower unit and riser piping
4.1.8 SSDS blower unit electrical
4.1.9 SSDS blower unit sidewiew

Building 6 SSDS

6.2.1 SSDS blower unit #1
6.2.2 SSDS blower unit #2
6.2.3 SSDS blower unit #3
6.2.4 SSDS blower unit #4
6.2.5 SSDS electrical box
6.2.6 Suction pit construction #1
6.2.7 Suction pit construction #2

6.2.8 Sealed suction pit with riser pipe running up an interior column

Building 7 Area Images

Process Tanks and Vaults

7.1.1 Demolition of floor slab to reveal the top of the USTs
7.1.2 Piping and UST through an access hatch
7.1.3 Inside a UST
7.1.4 Demolition progress to remove USTs
7.1.5 Material contained within the USTs and vaults
7.1.6 Earth Tech vacuum truck cleaning out the USTs and vaults
7.1.7 Earth Tech team entering a UST to clean it out
7.1.8 Vacuum truck hose sucking out contents of UST

Building 8/Service Corridor Area Images

Southwest Vault

8.1.1 Discovery of southwest vault
8.1.2 Accumulation of runoff in the vault (vault intact)
8.1.3 Western wall of the vault
8.1.4 Beginning of excavation and demo of the vault
8.1.5 Material removed from the vault and disposed of at Clean Earth of Philadelphia

Heating Oil USTs

8.2.1 Removal of 20,000 gallon UST
8.2.2 Contents of UST#1 concrete vault
8.2.3 Vault cover to prevent accumulation of precipitation
8.2.4 UST#1 vault bottom
8.2.5 Associated piping from UST
8.2.6 USTs lying in the vault prior to removal
8.2.7 Sumps at western end of the UST #1 vault. These were removed and soils excavated, with end points and sidewalls collected upon completion

SSD System

8.3.1 SSDS pipe trench #1
8.3.2 SSDS pipe trench #2
8.3.3 SSDS manifold system for suction pits
8.3.4 SSDS piping to column riser (weaved between other subsurface utilities)

Southern AS/SVE System

8.4.1 Excavation around AS system well
8.4.2 Excavating around system wells and digging system trenches

8.4.3 SVE system well with lateral subsurface piping connecting to above ground header pipe
8.4.4 AS system well with lateral subsurface piping connecting to above ground header pipe
8.4.5 AS system well head with valve, sample port and enclosure #1
8.4.6 AS system well head with valve, sample port and enclosure #2
8.4.7 System well enclosure with watertight manhole cover
8.4.8 Above grade header piping.
8.4.9 Header piping and laterals
8.4.10 Header piping shown hugging the southern fencline
8.4.11 Completed system well heads – concrete poured
8.4.12 Header piping contained in concrete box

Post-Construction Photos

Post 1 Building 7 completed
Post 2 Building 7 and 8 completed

Pre-Construction Photos

Pre 1 Building 3, 7, and 8 from right to left in photo
Pre 2 Building 3 (to right), Building 7 (to left)
Pre 3 Building 7 under construction
Pre 4 Building 3 and 7 during RI Activities


07/26/2006


07/26/2006


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BLDG #57
AC
ALIVE AND ACTIVE
BIOL #28


07/28/2006


07/28/2006


BISCO
Environmental


BISCO
Environmental
AIR
HOT
AIR

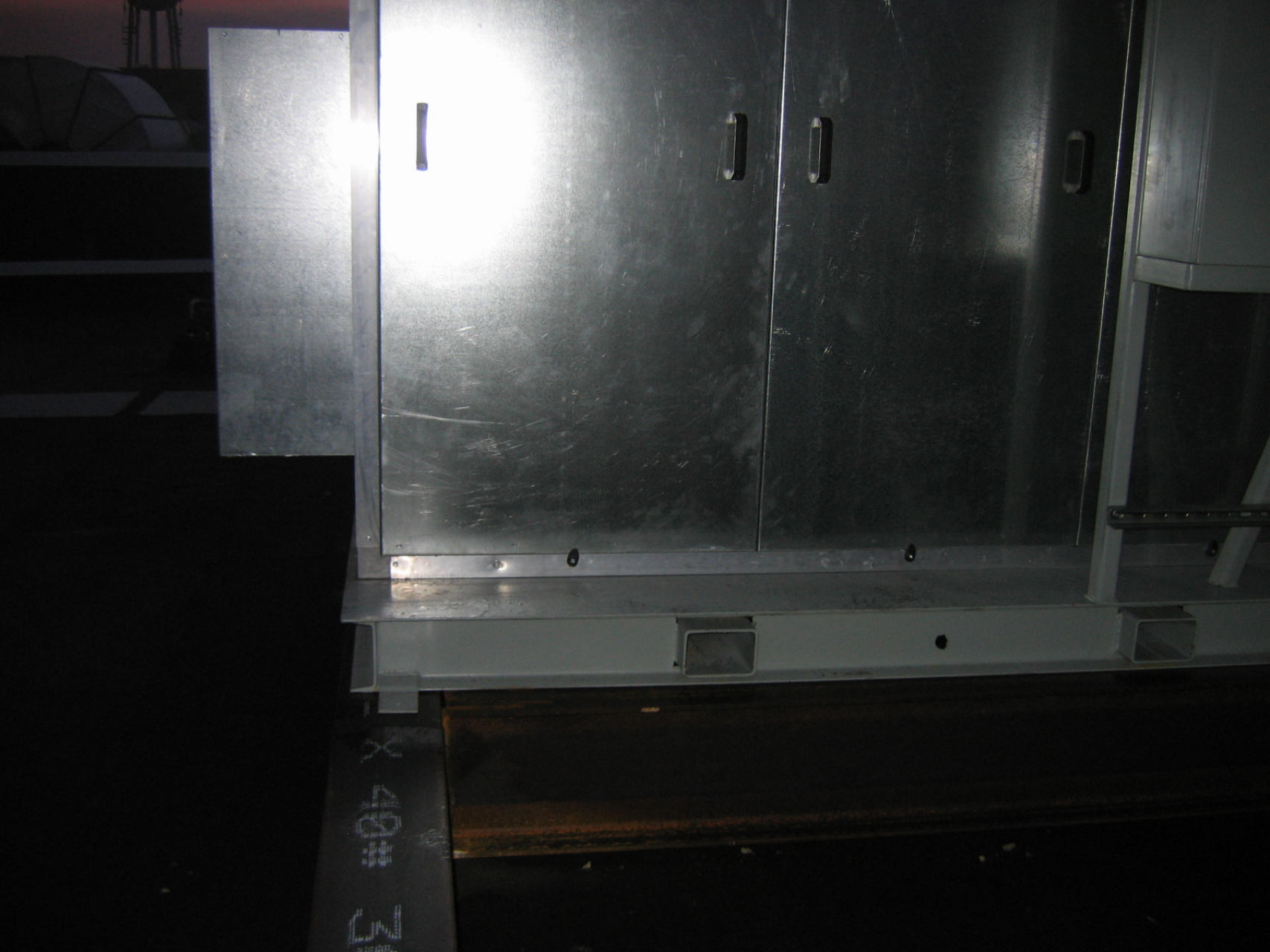

09/07/2006


08/29/2006


7200 2" PVC TYPE 1 SCH 40 ASTM D-2
08/29/2006


PVC
TEST
08/29/2006


09/07/2006

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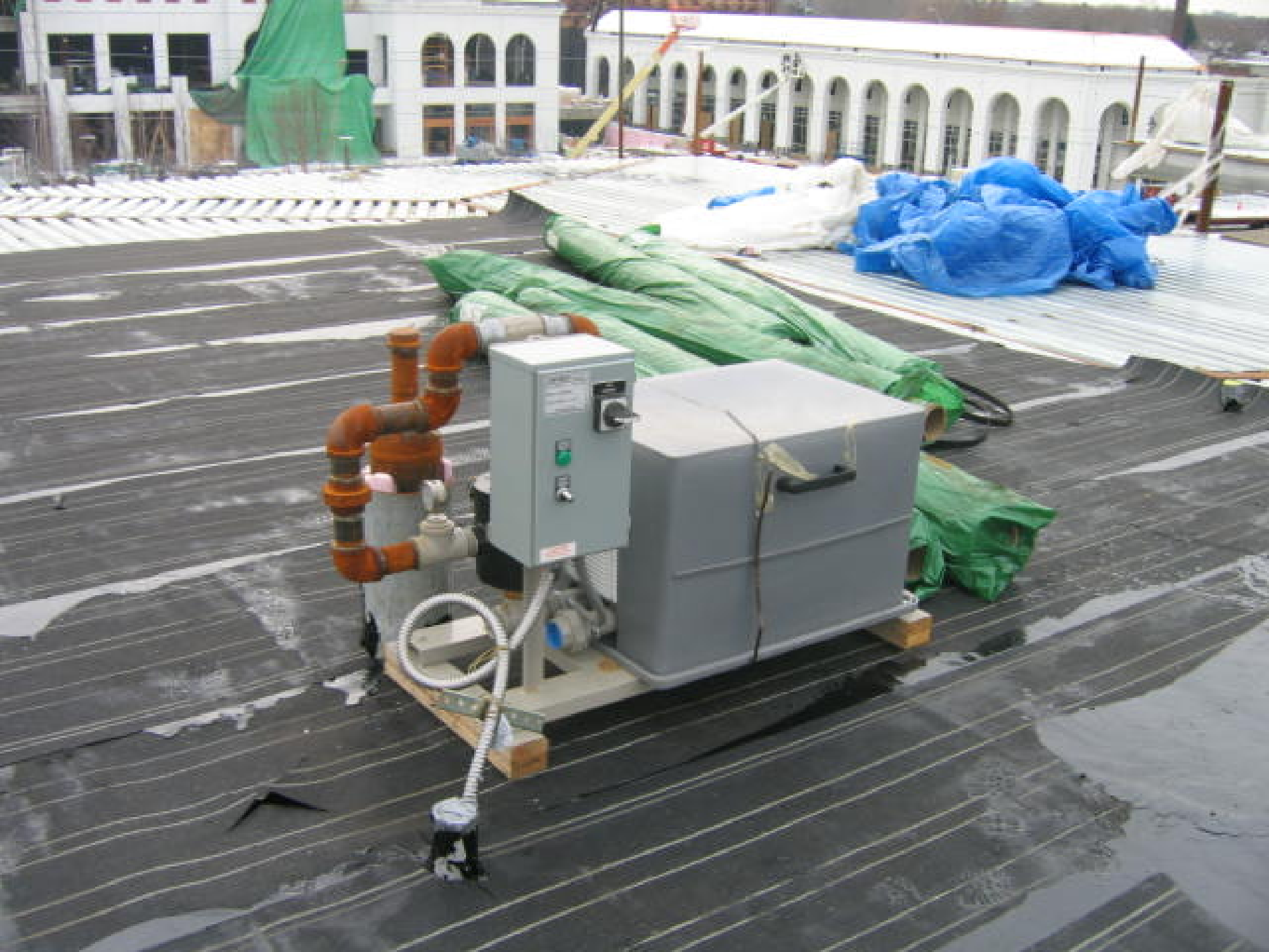
PRIDE
07/20/2006


08/09/2006




AIRTECH
RUN
OFF ON


CAUTION
DISCONNECT SUPPLY
BEFORE OPENING


EXIT
OUT


446B
TURBO
4X4
3


CAUTION CAUTION CAUTION


knauf
Plaza


PACE


Bobcat
CAP RENTS
718-932-4100
430
CAP RENTS
Bobcat
718-932-4100


Crazy for Animals
sale
08/18/2006


Art &
Crazy for Anim
08/18/2006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