# APPENDIX B

# SITE DEFINITION AND MAPPING FOR DUF6 CONVERSION FACILITY

# CONTENTS

1. INTRODUCTION

2. EXCAVATION/PENETRATION/GEOPHYSICS MAPPING

3. SITE TOPOGRAPHIC MAPPING

4. SITE PHOTOGRAPHS

5. CYLINDER YARD STORAGE MAPS

6. WETLANDS MAPPING

# APPENDIX B

# SITE DEFINITION AND MAPPING FOR DUF6 CONVERSION FACILITY

## 1. INTRODUCTION

The following information and maps are provided to assist in the layout and design of the DUF6 Conversion Facility at the proposed site at the Paducah Gaseous Diffusion Plant. The geophysics mapping, topographic mapping, and wetlands mapping should provide needed information for the development of facility construction specifications. The site photographs and cylinder yard storage maps should provide needed information for the facility layout and operation. Information on the cylinder storage layout and capacity of each yard is also provided.

# Section 2.0, *Excavation/Penetration/Geophysics Report*

# TRENCHING/EXCAVATION/PENETRATION PERMIT PACKAGE (TEP)

1. TEP NO.: 00-Kevil-06-10

2. WORK PACKAGE OR SUBCONTRACT NO.:

3. ISSUED TO: Tetra Tech

4. TYPE OF WORK: Soil Sampling for Site Investigation

5. LOCATED AT: BLDG.: NA AREA: South of C-100 between access road & cyl. yards

6. FLOOR: NA

7. Is the work being performed in a SWMU? ☐ NO ☒ YES (Environmental Compliance)
*(If yes, provide guidance in info. section below.)* Signature: [signature]

8. Waste requires special handling? ☒ NO ☐ YES (Waste Management)
*(If yes, provide guidance in info. section below.)* Signature: NA

9. THE FOLLOWING UTILITIES ARE AT OR ADJACENT TO THE REQUIRED TRENCH/EXCAVATION/PENETRATION

| | | | |
|---|---|---|---|
| ☐ YES ☒ NO | ACID<br>Chemical Operations | ☐ YES ☒ NO | NITROGEN<br>Mechanical Engineering |
| ☐ YES ☒ NO | AIR<br>Utilities Operations | ☐ YES ☒ NO | OIL<br>Chemical Operations |
| ☐ YES ☒ NO | CATHODIC PROTECTION<br>System Engineering | ☐ YES ☒ NO | RAW WATER<br>Cascade Operations |
| ☐ YES ☒ NO | CHILLED WATER<br>Utilities Operations | ☐ YES ☒ NO | RECIRCULATING WATER<br>Cascade Operations |
| ☐ YES ☒ NO | COMMUNICATION<br>Telecom Services | ☐ YES ☒ NO | SANITARY SEWERS<br>Utility Operations |
| ☐ YES ☒ NO | CONTAMINATED DRAINS/AREAS<br>Health Physics | ☐ YES ☒ NO | SANITARY WATER<br>Utility Operations |
| ☐ YES ☒ NO | ELECTRICAL<br>Power Operations | ☐ YES ☒ NO | STEAM<br>Utility Operations |
| ☐ YES ☒ NO | GAS<br>Mechanical Engineering | ☐ YES ☒ NO | STORM DRAINS<br>Utility Operations |
| ☐ YES ☒ NO | GROUNDING<br>Power Operations | ☐ YES ☒ NO | WASTE HEAT<br>Utility Operations |
| ☐ YES ☒ NO | HIGH PRESSURE FIRE WATER<br>Cascade Operations | ☐ YES ☒ NO | OTHER- |

COPY

10. ADDITIONAL INFORMATION: Site has been checked by GPR survey and metal detector survey.

| | | |
|---|---|---|
| 11. Permit Issued By: | SIGNATURE: [signature] | DATE: 6-21-00 |
| 12. Permit Reviewed By: | SIGNATURE: | DATE: |
| 13. Work Completed & Permit Released: | SIGNATURE: | DATE: |

CP-3909A (10-8-97)

# TRENCHING/EXCAVATION/PENETRATION PERMIT PACKAGE (TEP)

1. TEP NO.: 00-Rev. 1-06-09

2. WORK PACKAGE OR SUBCONTRACT NO.:

3. ISSUED TO: GeoTek Drilling Co.

4. TYPE OF WORK: Drilling for site investigation

5. LOCATED AT: BLDG.: NA AREA: South of C-100 between access road + cyl. yards

6. FLOOR: NA

7. Is the work being performed in a SWMU? ☐ NO ☒ YES (Environmental Compliance)
*(If yes, provide guidance in info. section below.)* Signature: Rebecca Lowell

8. Waste requires special handling? ☒ NO ☐ YES (Waste Management)
*(If yes, provide guidance in info. section below.)* Signature: NA

9. THE FOLLOWING UTILITIES ARE AT OR ADJACENT TO THE REQUIRED TRENCH/EXCAVATION/PENETRATION

| | | | | | |
|---|---|---|---|---|---|
| ☐ YES ☒ NO | ACID | Chemical Operations | ☐ YES ☒ NO | NITROGEN | Mechanical Engineering |
| ☐ YES ☒ NO | AIR | Utilities Operations | ☐ YES ☒ NO | OIL | Chemical Operations |
| ☐ YES ☒ NO | CATHODIC PROTECTION | System Engineering | ☐ YES ☒ NO | RAW WATER | Cascade Operations |
| ☐ YES ☒ NO | CHILLED WATER | Utilities Operations | ☐ YES ☒ NO | RECIRCULATING WATER | Cascade Operations |
| ☐ YES ☒ NO | COMMUNICATION | Telecom Services | ☐ YES ☒ NO | SANITARY SEWERS | Utility Operations |
| ☐ YES ☒ NO | CONTAMINATED DRAINS/AREAS | Health Physics | ☐ YES ☒ NO | SANITARY WATER | Utility Operations |
| ☐ YES ☒ NO | ELECTRICAL | Power Operations | ☐ YES ☒ NO | STEAM | Utility Operations |
| ☐ YES ☒ NO | GAS | Mechanical Engineering | ☐ YES ☒ NO | STORM DRAINS | Utility Operations |
| ☐ YES ☒ NO | GROUNDING | Power Operations | ☐ YES ☒ NO | WASTE HEAT | Utility Operations |
| ☐ YES ☒ NO | HIGH PRESSURE FIRE WATER | Cascade Operations | ☐ YES ☒ NO | OTHER- | |

COPY

10. ADDITIONAL INFORMATION:
Site has been checked by GPR survey and metal detector survey. Refer to drawing C5E-6533

| | | |
|---|---|---|
| 11. Permit Issued By: | SIGNATURE: John R Elrod | DATE: 6-21-00 |
| 12. Permit Reviewed By: | SIGNATURE: | DATE: |
| 13. Work Completed & Permit Released: | SIGNATURE: | DATE: |

BJC/OR-###

# Geophysical Investigation at Proposed Depleted Uranium Hexafluoride Conversion Facility, Paducah Gaseous Diffusion Plant, Paducah, Kentucky

This document has received the appropriate reviews for release to the public.

**Tetra Tech, Inc.**

contributed to the preparation of this document and should not be considered an eligible contractor for its review.

BJC/OR-xxx

# Geophysical Investigation at Proposed Depleted Uranium Hexafluoride Conversion Facility, Paducah Gaseous Diffusion Plant, Paducah, Kentucky

Date Issued—June 2000

Prepared by
Tetra Tech, Inc.
Oak Ridge, Tennessee
under subcontract [##########]

Prepared for the
U.S. Department of Energy
Office of Environmental Management

BECHTEL JACOBS COMPANY LLC
managing the
Environmental Management Activities at the
East Tennessee Technology Park
Oak Ridge Y-12 Plant Oak Ridge National Laboratory
Paducah Gaseous Diffusion Plant Portsmouth Gaseous Diffusion Plant
under contract DE-AC05-98OR22700
for the
U.S. DEPARTMENT OF ENERGY

# CONTENTS


1. GEOPHYSICAL INVESTIGATION AT PROPOSED DEPLETED URANIUM HEXAFLUORIDE CONVERSION FACILITY PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY ..... 1
   - 1.1 INTRODUCTION ..... 1
   - 1.2 GPR SURVEY ..... 1
   - 1.3 HIGH SENSITIVITY METAL DETECTOR SURVEY ..... 2
   - 1.4 LOCATION DATA ..... 2
   - 1.5 DESCRIPTIONS OF RESULTS AT PROPOSED BORING LOCATIONS ..... 2
     - 1.5.1 Proposed Boring Location SB1: ..... 2
     - 1.5.2 Proposed Boring Location SB2: ..... 2
     - 1.5.3 Proposed Boring Location SB3: ..... 3
     - 1.5.4 Proposed Boring Location SB4: ..... 3
     - 1.5.5 Proposed Boring Location SB5: ..... 3
     - 1.5.6 Proposed Boring Location SB6: ..... 3
     - 1.5.7 Proposed Boring Location SB7: ..... 3
     - 1.5.8 Proposed Boring Location SB8: ..... 3
     - 1.5.9 Proposed Boring Location SB9: ..... 3
     - 1.5.10 Proposed Boring Location SB10: ..... 3
     - 1.5.11 Proposed Boring Location SB11: ..... 4
     - 1.5.12 Proposed Boring Location SB12: ..... 4
     - 1.5.13 Proposed Boring Location SB13: ..... 4
     - 1.5.14 Proposed Boring Location SB14: ..... 4
     - 1.5.15 Proposed Boring Location SB15: ..... 4
     - 1.5.16 Proposed Boring Location SB16: ..... 4
     - 1.5.17 Proposed Boring Location SB17: ..... 4
     - 1.5.18 Proposed Boring Location SB18: ..... 5
     - 1.5.19 Proposed Boring Location SB19: ..... 5
     - 1.5.20 Proposed Boring Location SB20: ..... 5

# 1. GEOPHYSICAL INVESTIGATION AT PROPOSED DEPLETED URANIUM HEXAFLUORIDE CONVERSION FACILITY PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY

## 1.1 INTRODUCTION

Geophysical methods were used (May 31 through June 2, 2000) to investigate the presence of underground utilities at 19 boring locations at the proposed Depleted Uranium Hexafluoride Conversion Facility site at the Paducah Gaseous Diffusion Plant, Paducah, Kentucky. The site is relatively flat and approximately 39 acres in size. Approximately half of the site is an open field located outside the security fence near the main plant entrance within Solid Waste Management Unit (SWMU) 194. The other half of the site is a wooded area located south of the open field and outside SWMU 194. Ground penetrating radar (GPR) and electromagnetic (EM) metal detection (EM61) techniques were used at each location in the northern area of the site (area within SWMU 194), while only EM61 was used at the locations in the wooded area to the south.

The instruments used for this project use remote sensing methods that rely on the presence of contrasts in the physical characteristics of the target and the surrounding material. The EM and GPR devices can only detect targets such as buried pipes or cables, where significant contrasts in the electrical properties of these targets (signal) and the surrounding soil or fill (noise) exist. Fill materials that contain metallic debris, such as steel reinforced concrete, may have similar electrical properties to the target pipe resulting in an inability to identify the possible presence of buried targets. The presence of demolition debris and foundations may mask the presence of pipes or cables located beneath or within them. The electromagnetic field surrounding overhead and buried power lines may also produce significant noise that could potentially mask the presence of buried pipes or cables.

## 1.2 GPR SURVEY

A GSSI System 2 GPR device equipped with a 300 megahertz (MHz) transducer was used to investigate the presence of metallic and non-metallic pipes, utilities, and cables. GPR techniques are based upon the rapid and repetitive transmission of EM signals (pulses) generated from the device's transducer and propagated into the subsurface. The transmitted EM signal travels through the subsurface and is reflected at interfaces where contrasts in the dielectric permittivity (a function of electrical conductivity) of the media are present. Interfaces where GPR reflections occur include changes in soil mineralogy, soil texture, moisture content, or the presence of a buried man-made feature such as a utility, pipe, or drum. The reflected portion of the transmitted EM signal is received by the device's transducer. The two-way travel time and reflected signal amplitude versus the horizontal distance the instrument traveled are displayed on the output of the instrument.

The time it takes a GPR signal to travel from the transducer, reflect off of a target, and return to the transducer is called the two-way reflection time. Two-way reflection times are displayed in units of nano-seconds and vary depending on the electrical properties of the subsurface materials. As the subsurface material's permittivity increases, the two-way travel time increases and the velocity of the GPR signal decreases. Areas of clayey soils, fill, shales, or saline groundwater have high dielectric permittivities, relatively long two-way reflection times, and slow velocities. GPR signals in these materials also attenuate rapidly, limiting the depths of investigation. Conversely, dry sandy soils have low dielectric permittivities

that result in relatively short two-way reflection times and fast GPR signal velocities. The depth of investigation is often much greater in dry sandy soils relative to clayey soils.

Data were collected in a 25-foot radius around the boring locations along north-south and east-west trending survey lines that were spaced approximately 12.5 feet apart. Some areas required additional data coverage to further define the site features. Data were collected by dragging the transducer across the area of interest at a slow walking pace. The color display was continuously monitored during data collection so that anomalously high amplitude reflections could be delineated. Anomalies were marked with pin flags and 6-inch wooden stakes with PK nails.

## 1.3 HIGH SENSITIVITY METAL DETECTOR SURVEY

A Geonics EM61 High Sensitivity Metal Detector meter (EM61) was used to investigate the presence of underground utilities at Parcel 3. The EM61 is a high sensitivity, high resolution time-domain metal detector which is used to detect both ferrous and non-ferrous metallic objects. It consists of a transmitter that generates a pulsed primary magnetic field, which induces eddy currents in nearby metallic objects. Two receiver coils measure the decay of these currents. By making the measurements at a relatively long time interval after the primary pulse is transmitted, the response is practically independent of the electrical conductivity of the ground.

The EM61 data were collected in a 25-foot radius around the boring locations along north-south and east-west trending survey lines that were spaced approximately 12.5 feet apart. Some areas required additional data coverage to further define the site features. Data were collected with the instrument in wheel mode. Measurements were made approximately every 0.65 feet. Anomalies were marked with pin flags and 6-inch wooden stakes with PK nails.

## 1.4 LOCATION DATA

A Trimble TDC1 Pro-XR beacon global positioning system (GPS) was used to determine the locations of anomalies detected at the boring locations. The GPS data were collected in real time from the CORS beacon in St. Louis, MO.

## 1.5 DESCRIPTIONS OF RESULTS AT PROPOSED BORING LOCATIONS

Anomalies were determined by interpreting the combined data from the GPR and EM61 surveys. In some cases anomalous areas were defined where multiple anomalies were found in close proximity.

### 1.5.1 Proposed Boring Location SB1:

This location is in the northwest corner of the open field (SWMU 194). There is an area of anomalies northwest of the boring location. There is a linear feature and an isolated anomaly to the northeast. There is an isolated anomaly to the south and two isolated anomalies to the southwest. No linear features or isolated point anomalies are within 2 ft of the staked location.

### 1.5.2 Proposed Boring Location SB2:

This location is in the northeast corner of the open field (SWMU 194). There is an apparent footer of a demolished building east of this location. There are four areas of anomalies; one northeast, one southeast, one southwest, and one northwest of the boring location. These anomalous areas are interpreted to be

building demolition debris. No linear features or isolated point anomalies are within 2 ft of the staked location. Due to the presence of apparent building demolition debris, **extra caution is recommended during drilling at this location.**

### 1.5.3 Proposed Boring Location SB3:

This location is in the north-central portion of the open field (SWMU 194). One isolated anomaly was found southeast of the location and one was found to the northwest. It is **recommended that the drilling location be moved 3 feet south** due to the proximity of the anomaly to the northwest.

### 1.5.4 Proposed Boring Location SB4:

This location is in the west-central portion of the open field (SWMU 194). No anomalies were detected at this location.

### 1.5.5 Proposed Boring Location SB5:

This location is in the east-central portion of the open field (SWMU 194). One linear anomaly was identified southeast of the location. One isolated anomaly was found east of the location and one was found to the south. No linear features or isolated point anomalies are within 2 ft of the staked location.

### 1.5.6 Proposed Boring Location SB6:

This location is near the center of the open field (SWMU 194). One isolated anomaly was found north of the location. No linear features or isolated point anomalies are within 2 ft of the staked location.

### 1.5.7 Proposed Boring Location SB7:

This location is in the southwest-central portion of the open field (SWMU 194). Two linear anomalies were identified southeast of the location. One isolated anomaly was found west of the location and one was found to the northeast. No linear features or isolated point anomalies are within 2 ft of the staked location.

### 1.5.8 Proposed Boring Location SB8:

This location is in the southeast-central portion of the open field (SWMU 194). One linear anomaly was identified northwest of the location. Three isolated anomalies were found; one west, one southeast, and one northwest of the location. No linear features or isolated point anomalies are within 2 ft of the staked location.

### 1.5.9 Proposed Boring Location SB9:

This location is in the southwest corner of the open field (SWMU 194). Two isolated anomalies were found north of the location. No linear features or isolated point anomalies are within 2 ft of the staked location.

### 1.5.10 Proposed Boring Location SB10:

This location is in the southeast corner of the open field (SWMU 194). One linear feature north of the location and one to the east were identified. There was an area of anomalies northwest of the location. There were also numerous isolated anomalies detected; five to the northeast, one to the southeast, one to the

southwest, and three to the west of the proposed boring location. It is **recommended that the drilling location be moved 3 feet south** due to the proximity of the anomalies.

### 1.5.11 Proposed Boring Location SB11:

The location is near the southeastern corner of the wooded area south of SWMU 194. **This location was moved approximately 6 feet east to allow for drilling rig access.** No geophysical data were collected in the woods (approximately the western one third of a 25-foot radius circle around the location) because a drilling rig could not operate in this area. No anomalies were detected at this location.

### 1.5.12 Proposed Boring Location SB12:

The location is situated in the northeastern corner of the wooded area south of SWMU 194. Two linear features were observed southeast of the location and one was found to the northwest. No isolated point anomalies or linear features are within 2 ft of the staked location.

### 1.5.13 Proposed Boring Location SB13:

The location is near the northeastern corner of the wooded area south of SWMU 194. One linear anomaly was found south of the location. No isolated point anomalies or linear features are within 2 ft of the staked location.

### 1.5.14 Proposed Boring Location SB14:

This location is situated near the north-central edge of the wooded area south of SWMU 194. **This location was moved approximately 3 feet north to allow for drilling rig access.** No geophysical data were collected in the woods (approximately the southern one third of a 25-foot radius circle around the location) because a drilling rig could not operate in this area. No anomalies were identified at the site.

### 1.5.15 Proposed Boring Location SB15:

The proposed boring location was along the north-central edge of the wooded area south of SWMU 194. **This location was deleted** because the proposed location was within the wetland area. It could not be moved due to overhead power lines to the north, the wetland area to the east and west, and large trees in the wooded area to the south.

### 1.5.16 Proposed Boring Location SB16:

The location is near the northwestern corner of the wooded area south of SWMU 194. Two isolated anomalies were found; one northwest of the location and the other to the east. No isolated point anomalies or linear features are within 2 ft of the staked location.

### 1.5.17 Proposed Boring Location SB17:

This location is on the west-central edge of the wooded area south of SWMU 194. No geophysical data were collected in the woods (approximately the eastern one third of a 25-foot radius circle around the location) because a drilling rig could not operate in this area. No anomalies were identified at the site.

### 1.5.18 Proposed Boring Location SB18:

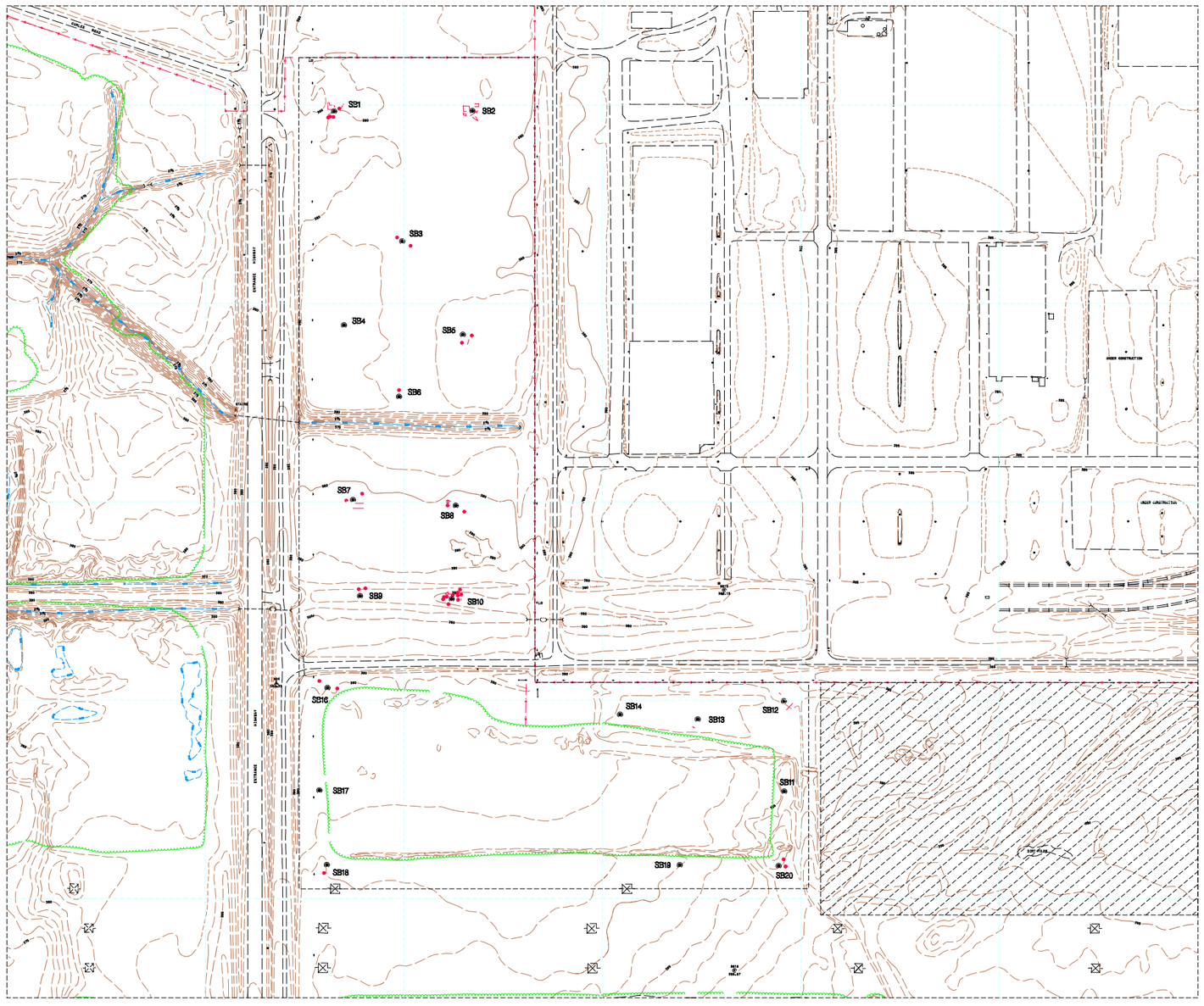
The location is at the southwest corner of the wooded area south of SWMU 194. One isolated anomaly was detected southwest of the location. No isolated point anomalies or linear features were observed within 2 ft of the boring location.

### 1.5.19 Proposed Boring Location SB19:

This location is on the southern edge of the wooded area south of SWMU 194, approximately 250 feet west of SB20. No geophysical data were collected in the woods (approximately the northern one third of a 25-foot radius circle around the location) because a drilling rig could not operate in this area. No anomalies were identified at the site.

### 1.5.20 Proposed Boring Location SB20:

The location is at the southeast corner of the wooded area south of SWMU 194. No geophysical data were collected in the woods (approximately the northwestern quarter of a 25-foot radius circle around the location) because a drilling rig could not operate in this area. One isolated anomaly was detected east of the location and another was found to the northeast. No isolated point anomalies or linear features were observed within 2 feet of the boring location.




PADUCAH GRID

N

200 100 0 100 200

SCALE: 1" = 100'

## LEGEND

- SAMPLE LOCATION
- AREA ANOMALY
- LINEAR ANOMALY
- POINT ANOMALY
- DUF6 AREA
- TREE LINE
- C-745-T YARD

NOTE: CONTOUR INFORMATION OBTAINED FROM 1990 AERIAL FLYOVER DATA, PRIOR TO CONSTRUCTION OF C-745-T.


Tetra Tech, Inc
OAK RIDGE, TENNESSEE
PHONE (865) 483-9900
FAX (865) 483-2014


BECHTEL JACOBS COMPANY, LLC
managed for the DEPARTMENT OF ENERGY under U.S. GOVERNMENT contract DE-AC-05-98OR227000
Oak Ridge, Tennessee • Paducah, Kentucky • Portsmouth, Ohio

| NUMBER | TITLE/DESCRIPTION | DATE | REV. | DATE | DESCRIPTION | DRAWN BY | ENGR CHK | ENGR CHK | LE | QA | SAFETY | PROJ ENGR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
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| | | / / | 0 | 06/19/00 | ISSUED FOR INFORMATION | AVP | AVP | GSL | MJC | | | |

REFERENCE DRAWINGS/INFORMATION — PROFESSIONAL SEAL — DRAWING REVISIONS

| | |
|---|---|
| BECHTEL JACOBS JOB NO. | 23900 |
| DOE CONTRACT NO. | DE-AC-05-98OR227000 |
| PROJECT NAME: | PADUCAH DUF6 STORAGE AREA |
| TITLE: | GEOPHYSICAL SURVEY FOR DUF6 AREA PLAN |
| EDCS CAD FILENAME | C5E4A247.H2 |
| BUILDING | C-AREA |
| PLANT | PAD |
| CLASS | U |
| SCALE: | 1" = 100' |
| TYPE | DD |
| DRAWING NUMBER | C5EC9CCCCAC97 |
| REV | 0 |


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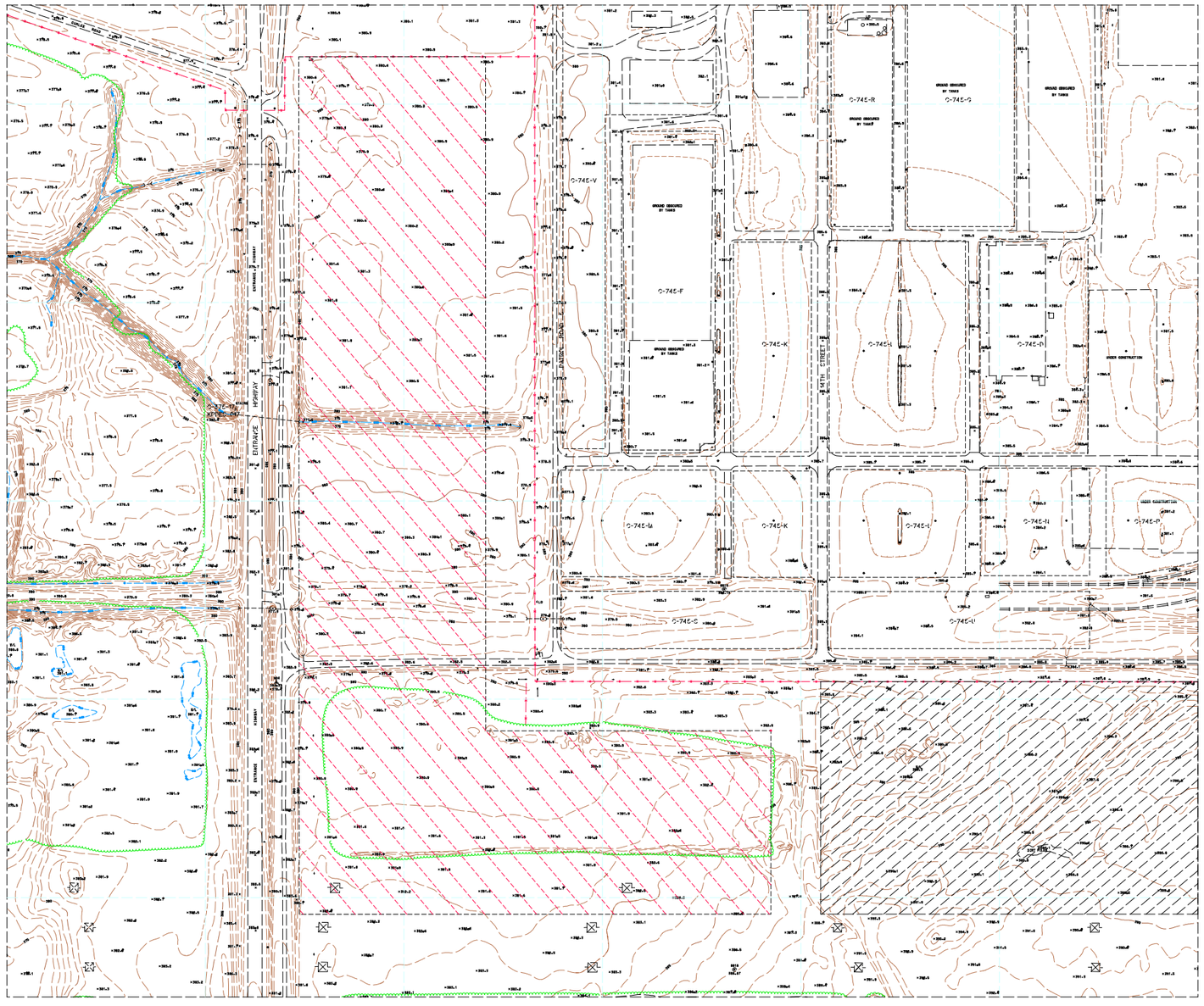
NUMBER OF SECTION OR DETAIL — DRAWING ON WHICH SECTION OR DETAIL IS TAKEN — DRAWING ON WHICH SECTION OR DETAIL IS SHOWN

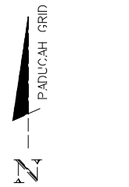
SECTION AND DETAIL KEY

MICROSTATION 95 FILE

$DATE$ $TIME$
$FILE$

# Section 3.0, *Site and Topographic Mapping*




200 100 0 100 200

SCALE: 1" = 100'

LEGEND

FOOTPRINT ~125 FT. FROM SECURITY FENCE AND ACCESS ROAD

TREE LINE

C-745-T YARD

NOTE: CONTOUR INFORMATION OBTAINED FROM 1990 AERIAL FLYOVER DATA, PRIOR TO CONSTRUCTION OF C-745-T.


Tetra Tech, Inc
OAK RIDGE, TENNESSEE
PHONE (865) 483-9900
FAX (865) 483-2014



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NUMBER OF SECTION OR DETAIL

DRAWING ON WHICH SECTION OR DETAIL IS TAKEN

DRAWING ON WHICH SECTION OR DETAIL IS SHOWN

SECTION AND DETAIL KEY

MICROSTATION 95 FILE

$DATE$
$FILE$
$TIME$

RPE

PROFESSIONAL SEAL

| NUMBER | TITLE/DESCRIPTION | DATE |
|---|---|---|
| | REFERENCE DRAWINGS/INFORMATION | |

| REV. | DATE | DESCRIPTION | DRAWN BY | CHK'D ENGR | ENGR CHK | LE | QA | SAFETY | PROJ ENGR |
|---|---|---|---|---|---|---|---|---|---|
| 0 | 09/27/00 | ISSUED FOR INFORMATION | AVP | AVP | BS | TH | | | |

DRAWING REVISIONS

BECHTEL JACOBS

BECHTEL JACOBS COMPANY, LLC
managed for the DEPARTMENT OF ENERGY under U.S. GOVERNMENT contract DE-AC-05-980R22700

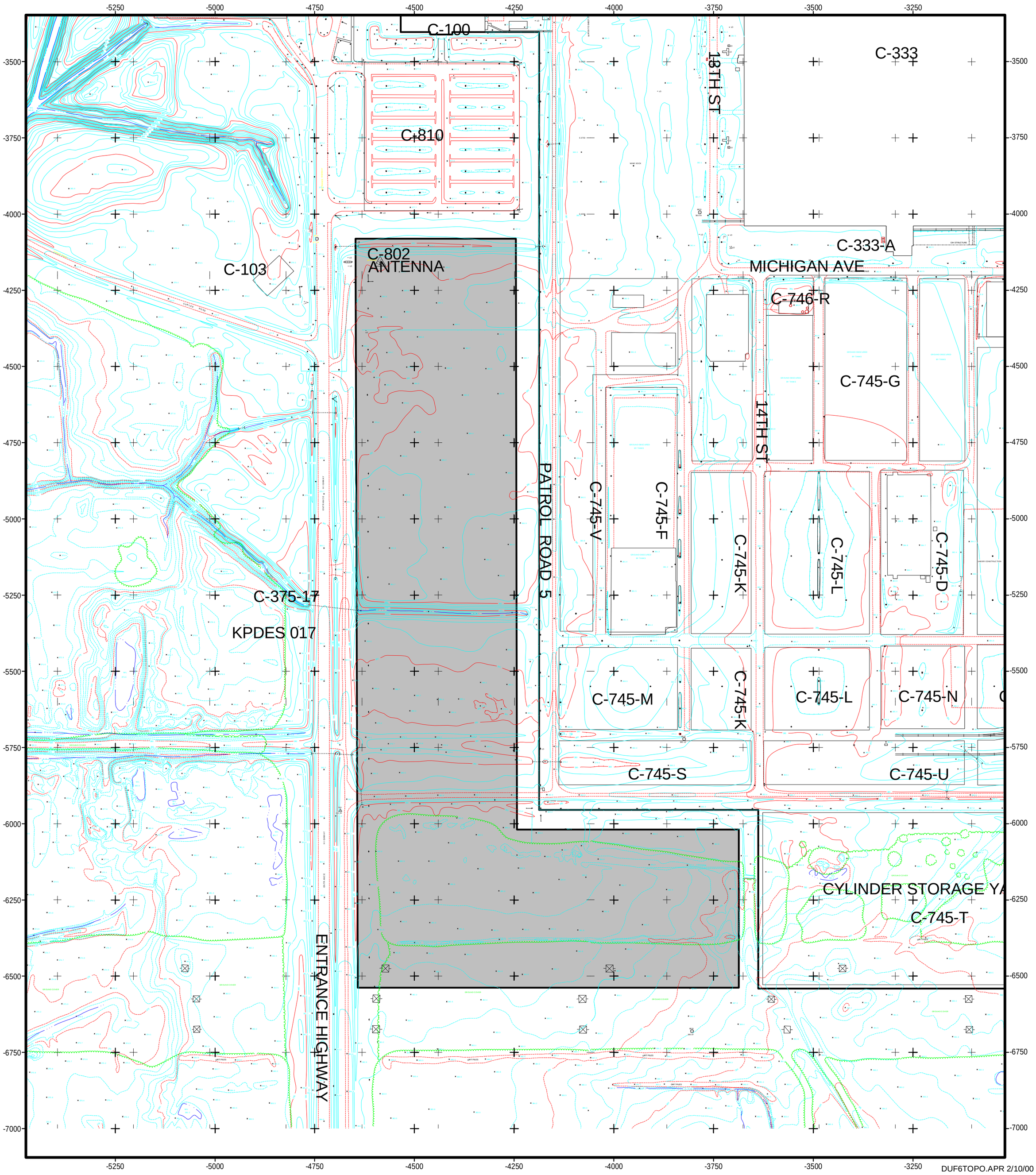
| BECHTEL JACOBS JOB NO. | DOE CONTRACT NO. |
|---|---|
| 23900 | DE-AC-05-98OR22700 |

PROJECT NAME: PADUCAH DUF6 STORAGE AREA

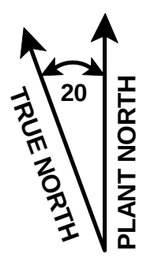
TITLE: DUF6 CONVERSION FACILITY PROPOSED SITE LOCATION PLAN

| EDCS CAD FILENAME | BUILDING | PLANT | CLASS |
|---|---|---|---|
| C4E9A121LP0 | C-AREA | PAD | U |

| SCALE: | TYPE | DRAWING NUMBER | REV |
|---|---|---|---|
| 1" = 100' | DD | C4ECSCCCCA1C1 | 0 |




# Paducah Gaseous Diffusion Plant
# $DUF_6$ Conversion Facility Proposed Site




250 0 250 500 750 Feet

**Footprint ~125 feet from Security fence and Access road**

# PADUCAH GASEOUS DIFFUSION PLANT BUILDING LEASE STATUS

| FACILITY NUMBER | | MAP LOCATION |
|---|---|---|
| C-100 | ADMINISTRATION BLDG. | D-6 (L) |
| C-100-A | OFFICE TRAILER. | D-6 (L) |
| C-100-T-04 | TEMPORARY OFFICE. | D-6 (L) |
| C-100-T-05 | TEMPORARY OFFICE. | D-6 (L) |
| C-100-T-06 | TEMPORARY OFFICE. | D-6 (L) |
| C-100-T-07 | TEMPORARY OFFICE. | D-6 (L) |
| C-100-T-08 | FOCI OFFICE & CHANGEHOUSE | D-6 (L) |
| C-101 | CAFETERIA. | D-5 (L) |
| C-102 | HOSPITAL. | D-6 (L) |
| C-102-T01-A | STORAGE TRAILER. | D-6 (L) |
| C-102-T-01 | TEMPORARY OFFICE. | D-5 (L) |
| C-102-T-02 | TEMPORARY OFFICE. | D-5 (L) |
| C-102-T-03 | TEMPORARY OFFICE. | D-5 (L) |
| C-102-T-04 | TEMPORARY OFFICE. | D-5 (L) |
| C-102-T-05 | TEMPORARY OFFICE. | D-5 (L) |
| C-102-T-06 | TEMPORARY OFFICE. | D-6 (L) |
| C-102-T-07 | TEMPORARY OFFICE. | D-6 (L) |
| C-102-T-08 | TEMPORARY OFFICE. | D-6 (L) |
| C-102-T-09 | TEMPORARY OFFICE. | D-6 (L) |
| C-103 | DOE SITE OFFICE. | D-7 (R) |
| C-200 | GUARD AND FIRE HEADQUARTERS. | D-5 (L) |
| C-200 | UNDERGROUND STORAGE TANKS. | (6) D-5 (R) |
| C-200-A | SECURITY & FIRE TRAINING. | D-5 (R) |
| C-201 | EMERGENCY EQUIPMT STOR BLDG. | D-5 (L) |
| C-201-A | EMERGENCY EQUIPMT STOR BLDG. | D-5 (L) |
| C-201-B | EMERGENCY EQUIPMT STOR BLDG. | D-5 (L) |
| C-201-C | EMERGENCY EQUIPMT STOR BLDG. | D-5 (L) |
| C-201-D | EMERGENCY EQUIPMT STOR BLDG. | D-5 (L) |
| C-202 | GUARD TRAINING BLDG. | D-5 (L) |
| C-203 | EMERG VEHICLE SHELTER. | D-5 (L) |
| C-204 | DISINTEGRATOR BLDG. | D-5 (R) |
| C-205 | RESPIRATOR ISSUE BLDG. | D-5 (U) |
| C-206 | PUMPER DRAFTING PIT. | C-5 (L) |
| C-206-A | STORAGE TRAILER. | C-5 (L) |
| C-206-B | SMOKE TRAINING. | C-4 (L) |
| C-207 | FIRE TRAINING BLDG. | C-5 (L) |
| C-212 | OFFICE BLDG. | D-5 (L) |
| C-212-A | MAIN GUARD POST (GATE 15). | D-5 (L) |
| C-212-T01 | HEALTH PHYSICS OFFICE TRAILER. | (4) D-5 (L) |
| C-212-U | UTILITY OPERATIONS OFFICE. | (4) D-5 (L) |
| C-214 | GUARD POST 39. | B-3 (L) |
| C-215 | PORTALS 18 & 19. | D-5 (L) |
| C-216 | POST 47. | E-3 (L) |
| C-216-T01 | MAINTENANCE BREAKROOM. | E-3 (L) |
| C-216-T02 | HEALTH PHYSICS OFFICE TRAILER. | E-3 (L) |
| C-217 | POST 43. | D-1 (L) |
| C-218 | FIRING RANGE. | B-5 (R) |
| C-220-A | POWER DISTRIBUTION SYSTEM. | (1) (L) |
| C-220-D1 | BELL TELEPHONE SYSTEM. | (1) (L) |
| C-220-D2 | PAX TELEPHONE SYSTEM. | (1) (L) |
| C-230-A | SANITARY WATER SYSTEM. | (1) (L) |
| C-230-B | SANITARY SEWER SYSTEM. | (1) (L) |
| C-230-C | STORM SEWER SYSTEM. | (1) (L) |
| C-230-D | CHILLED WATER SYSTEM. | (1) (L) |
| C-230-E | PLANT (PROCESS) WATER SYSTEM. | (1) (L) |
| C-230-F | PROCESS WASTEWATER SYSTEM. | (1) (L) |
| C-230-G | RECIRCULATING COOLING WATER SYS. | (1) (L) |
| C-230-H | HIGH-PRESSURE FIRE WATER SYS. | (1) (L) |
| C-230-J | PROCESS WASTE HEAT UTILIZATION SYS. | (1) (L) |
| C-232-A | NITROGEN SYSTEM. | (1) (L) |
| C-232-B | COMPRESSED AIR SYSTEM. | (1) (L) |
| C-232-C | ACETYLENE/OXYGEN SYSTEM. | (1) (L) |
| C-232-D | STEAM DISTRIBUTION SYSTEM. | (1) (L) |
| C-232-E | NATURAL GAS SYSTEM. | (1) (L) |
| C-300 | CENTRAL CONTROL BLDG. | D-5 (L) |
| C-300-531 | INSTRUMENTATION TUNNEL. | (1) (L) |
| C-300-533 | INSTRUMENTATION TUNNEL. | (1) (L) |
| C-300-535 | INSTRUMENTATION TUNNEL. | (1) (L) |
| C-300-537 | INSTRUMENTATION TUNNEL. | (1) (L) |
| C-301 | STORAGE BUILDING. | E-4 (R) |
| C-302 | OPERATIONS DIV DATA CENTER. | D-5 (L) |
| C-302-T01 | SYSTEMS ENGINEERING STORAGE. | D-5 (L) |
| C-303 | SUPV CNTRL & DATA SYS BLDG. | D-5 (L) |
| C-304 | TRAIN & CASCADE OFFICE BLDG. | D-5 (L) |
| C-304-T1 | SYSTEMS ENGINEERING OFFICE. | D-6 (U) |
| C-310 | PURGE & PRODUCT BLDG. | D-5 (L) |
| C-310-A | PRODUCT WITHDRAWAL BLDG. | D-5 (L) |
| C-310-B | MOBILE OFFICE. | D-5 (L) |
| C-310-331-A | ENCLOSED BRIDGE. | D-5 (L) |
| C-310-331-B | TIE LINE. | D-5 (L) |
| C-310-410 | TIE LINE. | D-5 (L) |
| C-315 | SURGE & WASTE BLDG. | E-5 (L) |
| C-315-331 | TIE LINE. | E-5 (L) |
| C-320 | COMMUNICATION BLDG. | D-5 (L) |
| C-320-A | TEMPORARY STORAGE. | D-5 (L) |
| C-331 | PROCESS BLDG. | E-5 (L) |
| C-331-T1 | MAINTENANCE OFFICE TRAILER. | E-4 (L) |
| C-331-333-A | ENCLOSED BRIDGE. | E-5 (L) |
| C-331-333-B | TIE LINE | E-5 (L) |
| C-331-333-C | TIE LINE | E-5 (L) |
| C-331-335 | TIE LINE. | D-4 (L) |
| C-331-410 | TIE LINE. | D-4 (L) |
| C-333 | PROCESS BLDG. | E-6 (L) |
| C-333-A | FEED VAPORIZATION FAC. | E-7 (L) |
| C-333-T-05 | RAMP PROJECT TRAILER. | D-5 (L) |
| C-333-T-06 | HEALTH PHYSICS OFFICE TRAILER. | D-6 (L) |
| C-333-T-07 | HEALTH PHYSICS OFFICE TRAILER. | E-7 (L) |
| C-335 | PROCESS BLDG. | D-3 (L) |
| C-335-337-A | ENCL BRIDGE. | D-3 (L) |
| C-335-337-B | TIE LINE (N). | D-3 (L) |
| C-335-337-C | TIE LINE (S). | D-3 (L) |
| C-337 | PROCESS BLDG. | E-3 (L) |
| C-337-A | FEED VAPORIZATION FAC. | E-3 (L) |
| C-337-T01 | HEALTH PHYSICS OFFICE TRAILER. | E-3 (L) |
| C-337-T02 | HEALTH PHYSICS OFFICE TRAILER. | E-3 (L) |
| C-340-A | POWDER BLDG. | E-5 (R) |
| C-340-B | METALS BLDG. | E-5 (R) |
| C-340-C | SLAG BLDG. | E-5 (R) |
| C-340-D | MAGNESIUM STOR BLDG. | E-5 (R) |
| C-340-E | EMERG PWR FOR CRIT ALARMS. | (4) E-5 (R) |
| C-342 | AMMONIA DISSOCIATOR/STOR FAC. | E-5 (R) |
| C-342-A | AMMONIA DISSOCIATOR ADD. | E-5 (R) |
| C-342-B | AMMONIA DISSOCIATOR TANK SHEL. | (4) E-5 (R) |
| C-350 | DRYING AGENT STOR BLDG. | D-4 (L) |
| C-360 | TOLL TRANSF & SAMPLING BLDG. | E-4 (L) |
| C-360-T01 | HEALTH PHYSICS OFFICE TRAILER. | E-4 (L) |
| C-360-T02 | CASCADE OPERATIONS STORAGE. | E-4 (L) |
| C-370-E | WATER QUAL MONIT/L BAYOU CK. | (3) (R) |
| C-370-W | WATER QUAL MONIT/B BAYOU CREEK. | (3) (R) |
| C-375-[illegible]4 | C-615 EFFL. OUTFALL (KPDES 004) | C-5 (L) |
| C-375-S6 | C-611 EFFL. OUTFALL (KPDES 006) | B-3 (L) |
| C-375-E2 | OIL CNTRL DAM (KPDES 002) | F-4 (L) |
| C-375-E3 | OIL CNTRL DAM (KPDES 010) | F-5 (L) |
| C-375-E4 | OIL CNTRL DAM (KPDES 011) | F-5 (L) |
| C-375-E5 | OIL CNTRL DAM (KPDES 012) | F-6 (L) |
| C-375-S6 | OIL CNTRL DAM (KPDES 009) | C-6 (L) |
| C-375-W7 | OIL CNTRL DAM (KPDES 008) | B-4 (L) |
| C-375-W8 | OIL CNTRL DAM (KPDES 015) | B-4 (R) |
| C-375-W9 | OIL CNTRL DAM (KPDES 001) | B-3 (R) |
| C-375-13 | PLNT SUR RUNOFF OUTFALL (KPDES 013) | F-7 (L) |
| C-375-16 | PLNT SUR RUNOFF OUTFALL (KPDES 016) | C-6 (L) |
| C-375-17 | PLNT SUR RUNOFF OUTFALL (KPDES 017) | D-8 (R) |
| C-375-19 | LANDFILL RUNOFF OUTFALL (KPDES 019) | (3) (R) |
| C-400 | CLEANING BLDG. | D-4 (L) |
| C-400-A | EMERG PWR FOR CRIT ALARMS. | (4) D-4 (L) |
| [illegible] | LIFT STATION. | D-3 (R) |
| C-400-T01 | HEALTH PHYSICS OFFICE. | (4) D-4 (L) |
| C-400-C | LIME PRECIPITATION UNIT. | (4) D-4 (L) |
| C-400-D | ION EXCHANGE UNIT. | (4) D-4 (L) |
| C-402 | LIME HOUSE. | D-4 (R) |
| C-403 | NEUTRALIZING PIT. | D-4 (R) |
| C-404 | L-L RAD WASTE BURIAL GROUND. | C-3 (R) |
| C-404-A | SUMP. | (4) C-3 (R) |
| C-405 | CONTAMINATED ITEM INCINERATOR. | D-4 (R) |
| C-406 | TRICHLOROETHYLENE STOR TANK. | D-4 (L) |
| C-407 | NITRIC ACID STOR TANK. | D-4 (L) |
| C-408 | 50-TON TRUCK SCALE. | D-4 (L) |
| C-409 | STABILIZATION BLDG. | D-4 (L) |
| C-409-A | STORAGE TRAILER. | D-4 (L) |
| C-409-B | STORAGE TRAILER. | D-4 (L) |
| C-409-C | STORAGE TRAILER. | D-4 (L) |
| C-410 | FEED PLANT. | D-4 (R) |
| C-410-A | HYDROGEN HOLDER. | D-4 (R) |
| C-410-B | SLUDGE LAGOON. | D-4 (R) |
| C-410-C | HYDROFLUORIC ACID NEUT BLDG. | (4) D-4 (R) |
| C-410-D | FLUORINE STOR BLDG. | D-4 (L) |
| C-410-E | HYDROFLUORIC ACID EMERG HLD POND | (4) D-4 (R) |
| C-410-F | HYDROFLUORIC ACID STOR BLDG (N). | (4) D-4 (R) |
| C-410-G | HYDROFLUORIC ACID STOR BLDG (C). | (4) D-4 (R) |
| C-410-H | HYDROFLUORIC ACID STOR BLDG (S). | (4) D-4 (R) |
| C-410-I | ASH RECEIVER SHELTER. | (4) D-4 (R) |
| C-410-J | HYDROFLUORIC ACID STOR BLDG (E). | (4) D-4 (R) |
| C-410-K | FLOURINE BUILDING. | D-4 (U) |
| C-411 | CELL MAINT BLDG. | D-4 (R) |
| C-415 | FEED PLANT STOR BLDG. | D-4 (R) |
| C-416 | EQUIP CLEANING FAC. | E-4 (R) |
| C-416-T01 | EQUIPMENT CLEANING TRAILER. | (4) E-4 (R) |
| C-420 | GREENSALT PLANT. | D-4 (R) |
| C-531-1 | SWITCH HOUSE. | E-5 (L) |
| C-531-2 | SWITCH YARD. | E-5 (L) |
| C-531-3A | FIRE VALVE HOUSE NO.1. | (4) E-5 (L) |
| C-531-3B | FIRE VALVE HOUSE NO.2. | (4) E-5 (L) |
| C-532 | RELAY HOUSE. | E-5 (L) |
| C-533-1 | SWITCH HOUSE. | E-6 (L) |
| C-533-2 | SWITCHYARD. | E-6 (L) |
| C-533-3A | FIRE VALVE HOUSE NO.1. | (4) E-6 (L) |
| C-533-3B | FIRE VALVE HOUSE NO.2. | (4) E-6 (L) |
| C-533-3C | FIRE VALVE HOUSE NO.3. | (4) E-6 (L) |
| C-533-3D | FIRE VALVE HOUSE NO.4. | (4) E-6 (L) |

| FACILITY NUMBER | | MAP LOCATION |
|---|---|---|
| C-535-1 | SWITCH HOUSE. | D-2 (L) |
| C-535-2 | SWITCHYARD. | D-2 (L) |
| C-535-3A | FIRE VALVE HOUSE NO.1. | (4) D-2 (L) |
| C-535-3B | FIRE VALVE HOUSE NO.2. | (4) D-2 (L) |
| C-535-4 | TEST SHOP (MAINTENANCE OFFICE). | D-2 (L) |
| C-536 | RELAY HOUSE. | D-2 (L) |
| C-537-1 | SWITCH HOUSE. | E-2 (L) |
| C-537-2 | SWITCHYARD. | E-2 (L) |
| C-537-3A | FIRE VALVE HOUSE NO.1. | (4) E-2 (L) |
| C-537-3B | FIRE VALVE HOUSE NO.2. | (4) E-2 (L) |
| C-537-3C | FIRE VALVE HOUSE NO.3. | (4) E-2 (L) |
| C-537-3D | FIRE VALVE HOUSE NO.4. | (4) E-2 (L) |
| C-537-4 | TEST SHOP. | E-2 (L) |
| C-540-A | OIL PUMP HOUSE. | E-5 (L) |
| C-540-B | OIL STOR TANK (NW). | E-5 (L) |
| C-540-C | OIL STOR TANK (SW). | E-5 (L) |
| C-540-D | OIL STOR TANK (NW). | E-5 (L) |
| C-540-E | OIL STOR TANK (SE). | E-5 (L) |
| C-541-A | OIL PUMP HOUSE. | D-2 (L) |
| C-541-B | OIL STOR TANK (NW). | D-2 (L) |
| C-541-C | OIL STOR TANK (SW). | D-2 (L) |
| C-541-D | OIL STOR TANK (NE). | D-2 (L) |
| C-541-E | OIL STOR TANK (SE). | D-2 (L) |
| C-600 | STEAM PLANT. | D-4 (L) |
| C-601 | NITROGEN GEN BLDG ADD. | D-4 (L) |
| C-601-A | STEAM PLT FUEL-STOR TANK (C). | D-4 (L) |
| C-601-B | STEAM PLT FUEL-STOR TANK (S). | D-4 (L) |
| C-601-C | STEAM PLT FUEL OIL PUMP HSE. | D-4 (L) |
| C-601-D | FUEL OIL STOR TANK (N). | D-4 (L) |
| C-602 | COAL STORAGE YARD. | D-4 (L) |
| C-603-A | NITROGEN MANIFOLD BLDG. | (4) D-4 (R) |
| C-603-B | NITROGEN STOR TANK. | (4) D-4 (R) |
| C-603-C | NITROGEN RECEIVER (N). | (4) D-4 (R) |
| C-603-D | NITROGEN RECEIVER (S). | (4) D-4 (R) |
| C-603-E | NITROGEN STOR TANK (E). | (4) D-4 (L) |
| C-603-F | NITROGEN STOR TANK (C). | (4) D-4 (L) |
| C-603-G | NITROGEN STOR TANK (W). | (4) D-4 (L) |
| C-603-H | NITROGEN GEN-CNTRL HSE. | (4) D-4 (R) |
| C-603-I | NITROGEN GEN-TOWER AREA. | (4) D-4 (R) |
| C-604 | UTILITIES MAINT BLDG. | D-4 (L) |
| C-604-A | UTILITIES STORAGE BLDG. | (4) D-4 (L) |
| C-605 | SUBST BLDG. | D-4 (L) |
| C-606 | COAL CRUSHER BLDG. | D-4 (L) |
| C-607 | EMERG AIR COMPRESSOR GEN BLDG. | D-4 (L) |
| C-611 | WATER TREATMT PLT. | B-6 (L) |
| C-611-A | ACTIVATED CARBON STORAGE. | B-6 (L) |
| C-611-A1 | ACTIVATED CARBON STORAGE BLDG. | B-6 (U) |
| C-611-B | HEAD HOUSE. | (4) B-6 (L) |
| C-611-B1 | POLYMER FEED SYS ENCL. | (4) B-5 (L) |
| C-611-C | FLOCCULATOR BASIN. | B-5 (L) |
| C-611-D | SETTLING BASIN (NE). | B-5 (L) |
| C-611-E | SETTLING BASIN (NW). | B-5 (L) |
| C-611-F | SETTLING BASIN (SE). | B-6 (L) |
| C-611-F1 | SECONDARY COAG BASIN. | (4) B-6 (L) |
| C-611-F2 | CHEM FEED BLDG FOR C-611-F1. | (4) B-6 (L) |
| C-611-F3 | ACTIVATED CARBON FEED BLDG. | (4) B-5 (U) |
| C-611-G | SETTLING BASIN (SW). | B-6 (L) |
| C-611-H | FILTER BLDG & PUMP STA. | B-6 (L) |
| C-611-I | CLEAR WELL. | B-6 (L) |
| C-611-K | NUMBER 4 LAGOON. | B-5 (L) |
| C-611-M | N CONC SAN WATER STOR TANK | (3) (R) |
| C-611-N | S CONC SAN WATER STOR TANK | (3) (R) |
| C-611-O | SAN WATER STOR TANK. | E-4 (L) |
| C-611-P | PUMP HSE. | (4) B-6 (L) |
| C-611-Q | 36" RAW WATER LINE BOOSTER STA. | (4) D-2 (L) |
| C-611-R | WAT TANK-RCW FIRE WATER. | E-4 (L) |
| C-611-S | CORROSION INHIBITOR BLDG. | (4) B-6 (L) |
| C-611-T | BOOSTER PUMP STA. | (4) B-6 (L) |
| C-611-T-01 | TEMPORARY OFFICE. | (4) B-6 (L) |
| C-611-U | SOFTENING FAC (W). | B-5 (L) |
| C-611-V | SLUDGE LAGOON. | B-4 (L) |
| C-611-V1 | SLUDGE LAGOON. | B-4 (L) |
| C-611-W | SLUDGE LAGOON | B-5 (L) |
| C-611-X | SOFTENING FAC (E). | B-5 (L) |
| C-611-Y | RECYCLE LAGOON. | B-4 (L) |
| C-611-Z | FLOCCULATOR BASIN. | B-5 (L) |
| C-612 | PILOT PUMP AND TREATMENT. | B-1 (R) |
| C-612-A | PUMP AND TREATMENT DECON PAD. | B-2 (R) |
| C-612-T-01 | PUMP AND TREATMENT OFFICE. | B-1 (R) |
| C-612-T-02 | PUMP AND TREATMENT OFFICE. | B-1 (R) |
| C-612-T-03 | PUMP & TREATMENT CHANGEHOUSE & STO. | B-1 (R) |
| C-612-T-04 | PUMP AND TREATMENT LAB. | B-1 (R) |
| C-612-T-05 | SEALAND STORAGE TRAILER. | B-1 (R) |
| C-612-T-06 | SEALAND STORAGE TRAILER. | B-1 (R) |
| C-612-T-07 | SEALAND STORAGE TRAILER. | B-1 (R) |
| C-612-T-08 | SEALAND STORAGE TRAILER. | B-1 (R) |
| C-614-A | NORTHEAST (NE) PLUME EQPT PAD. | (3) G-2 (R) |
| C-614-B | NE PLUME EXTRACT WELL 331. | (3) G-2 (R) |
| C-614-C | NE PLUME EXTRACT WELL 332. | (3) G-2 (R) |
| C-615 | SEWAGE DISPOSAL PLANT. | C-5 (L) |
| C-615-A | PRIMARY SETTLING TANK. | C-5 (L) |
| C-615-B | FINAL SETTLING TANK. | C-5 (L) |
| C-615-C | CONTROL BLDG. | C-5 (L) |
| C-615-D | DIGESTER. | C-5 (L) |
| C-615-E | TRICKLING FILTER. | C-5 (L) |
| C-615-F | SLUDGE BEDS. | C-5 (L) |
| C-615-G | SEWAGE LIFT STA. | D-5 (L) |
| C-615-H | SEWAGE LIFT STA. | D-3 (L) |
| C-615-H1 | SEWAGE LIFT STA. | E-3 (L) |
| C-615-H2 | SEWAGE LIFT STA. | D-3 (L) |
| C-615-H3 | SEWAGE LIFT STA. | (4) E-4 (L) |
| C-615-H4 | SEWAGE LIFT STA. | E-4 (L) |
| C-615-J | LIFT STATION. | D-5 (L) |
| C-615-K | MANHOLE. | D-3 (L) |
| C-615-L | OIL CNTRL MONIT STA. | B-4 (L) |
| C-615-M | OIL CNTRL STRUCTURE. | B-4 (L) |
| C-615-N | OIL CONTAINMT LAGOON. | B-5 (L) |
| C-615-O | OIL CONTROL BLDG. | C-4 (L) |
| C-615-T01 | STORAGE TRAILER. | C-4 (L) |
| C-615-T02 | STORAGE TRAILER. | C-4 (L) |
| C-615-T03 | STORAGE TRAILER. | C-4 (L) |
| C-615-T04 | STORAGE TRAILER. | C-4 (L) |
| C-615-T05 | STORAGE TRAILER. | C-4 (L) |
| C-616 | LIQ POLLUTION ABATEMT FAC. | D-1 (L) |
| C-616-A | CHEM FEED BLDG. | (4) D-2 (L) |
| C-616-B | CLARIFIER-EAST. | D-2 (L) |
| C-616-C | LIFT STA. | D-2 (L) |
| C-616-D | SLUDGE VAULT & VALVE PIT. | (4) D-2 (L) |
| C-616-E | SLUDGE LAGOON. | D-1 (R) |
| C-616-F | FULL FLOW LAGOON. | C-1 (L) |
| C-616-G | SULFURIC ACID TANK. | (4) D-2 (L) |
| C-616-H1 | FERR SULF STOR TANK (E). | D-2 (L) |
| C-616-H2 | FERR SULF STOR TANK (W). | D-2 (L) |
| C-616-J | REDUCTION TANK (E). | (4) D-2 (L) |
| C-616-K | SERV BLDG. | D-2 (L) |
| C-616-L | EFFLUENT CNTRL VAULT. | D-2 (L) |
| C-616-M | CLARIFIER (W). | D-2 (L) |
| C-616-N | REDUCTION TANK (W). | (4) D-2 (L) |
| C-616-P | SLUDGE VAULT & VALVE PIT. | (4) D-2 (L) |
| C-616-Q | FLY-ASH SETTLING LAGOON. | (4) D-2 (L) |
| C-617-A | EFFLUENT CONTROL STATION. | E-5 (L) |
| C-617-B | LAGOON. | E-5 (L) |
| C-620 | AIR COMPRESSOR ROOM. | E-5 (L) |
| C-631-1 | PUMP HOUSE. | E-4 (L) |
| C-631-2 | COOLING TWR. | E-4 (L) |
| C-631-3 | PUMP HOUSE (FIREWATER). | E-4 (L) |
| C-631-4 | BLENDING PUMP HOUSE. | E-4 (L) |
| C-631-5 | BLENDING COOLING TWR (W). | (4) E-4 (L) |
| C-631-6 | BLENDING COOLING TWR (E). | (4) E-4 (L) |
| C-631-7 | STORAGE BUILDING. | (4) E-4 (L) |
| C-631-8 | CHANGE HOUSE. | (4) E-4 (L) |
| C-631-9 | ASBESTOS CREW BREAKROOM. | (4) E-4 (L) |
| C-631-10 | ASBESTOS CREW STORAGE. | (4) E-4 (L) |
| C-631-11 | INSTRUMENT MAINTENANCE TRAILER. | (4) E-4 (L) |
| C-631-12 | ASBESTOS CREW STORAGE. | (4) E-4 (L) |
| C-631-13 | RCW EQUIPMENT STORAGE. | (4) E-4 (L) |
| C-631-14 | RCW SUPERVISOR'S OFFICE. | (4) E-4 (L) |
| C-631-15 | RCW EQUIPMENT STORAGE. | (4) E-4 (L) |
| C-632-B | ACID STOR TANK. | D-4 (R) |
| C-633-1 | PUMP HOUSE. | E-7 (L) |
| C-633-2A | COOLING TWR (S). | E-7 (L) |
| C-633-2B | COOLING TWR (N). | E-7 (L) |
| C-633-3 | BLENDING PUMP HOUSE. | E-7 (L) |
| C-633-4 | BLENDING COOLING TWR (N). | E-6 (L) |
| C-633-5 | BLENDING COOLING TWR (S). | E-7 (L) |
| C-633-6 | SAND FILTER BLDG. | (4) E-7 (L) |
| C-634-B | ACID STOR TANK. | E-7 (R) |
| C-635-1 | PUMP HOUSE & PIPING. | D-3 (L) |
| C-635-2 | COOLING TWR. | D-3 (L) |
| C-635-3 | BLENDING PUMP HOUSE. | D-3 (L) |
| C-635-4 | BLENDING COOLING TWR (N). | D-3 (L) |
| C-635-5 | BLENDING COOLING TWR (S). | D-3 (L) |
| C-635-6 | PROCESS WASTE PUMP HSE. | D-3 (L) |
| C-637-1 | PUMP HOUSE. | E-3 (L) |
| C-637-2A | COOLING TWR (S). | E-3 (L) |
| C-637-2B | COOLING TWR (N). | E-3 (L) |
| C-637-3 | BLENDING PUMP HOUSE. | E-2 (L) |
| C-637-4 | BLENDING COOLING TWR (N). | E-2 (L) |
| C-637-5 | BLENDING COOLING TWR (S). | E-3 (L) |
| C-637-6 | SAND FILTER BLDG. | (4) E-3 (L) |
| C-637-T01 | H.P. TRAILER. | (4) E-3 (L) |
| C-709 | PLANT LABORATORY ANNEX. | D-5 (U) |
| C-710 | TECHNICAL SERVICES BLDG. | D-5 (L) |
| C-710 | UNDERGROUND STORAGE TANKS. | (6) D-5 (R) |
| C-710-A | GAS CYL STOR BLDG. | (4) D-5 (L) |

| FACILITY NUMBER | | MAP LOCATION |
|---|---|---|
| C-710-B | STORAGE FACILITY. | D-5 (L) |
| C-711 | GAS MANIFOLD. | D-5 (L) |
| C-712 | ACID NEUTRALIZATION PIT. | (4) D-5 (L) |
| C-720 | MAINTENANCE AND STORES BLDG. | C-5 (L) |
| C-720 | TCE DEGREASER (INACTIVE). | C-5 (R) |
| C-720 | UNDERGROUND PETROLEUM PIPES. | (6) C-5 (R) |
| C-720-A | COMPRESSOR SHOP ADD. | (4) D-5 (L) |
| C-720-B | MACHINE SHOP ADDITION. | (4) D-5 (L) |
| C-720-C | CONVERTER SHOP ADDITION. | (4) C-5 (L) |
| C-720-C1 | PAINT SHOP. | (4) C-5 (L) |
| C-720-D | TRANSF BLDG. | (4) C-5 (L) |
| C-720-E | CHANGE HOUSE ADD. | (4) C-5 (L) |
| C-720-G | PEM RECEIVING BLDG. | C-5 (L) |
| C-720-H | WAREHOUSE. | C-5 (L) |
| C-720-J | AIR LOCK. | (4) D-5 (L) |
| C-720-K | INSTRUMENT SHOP ADD. | (4) D-5 (L) |
| C-720-L | OXYGEN FAC. | (4) D-5 (L) |
| C-720-M | FIELD INSTRUMENT TRAILER. | D-5 (L) |
| C-720-M-T01 | COMPUTER MAINT. STORAGE TR. | (4) D-5 (L) |
| C-720-M-T02 | COMPUTER MAINT. STORAGE TR. | (4) D-5 (L) |
| C-720-N | RR SCALE HOUSE. | SOUTH OF PLANT (L) |
| C-720-N1 | RR CLASSIFICATION YD. | SOUTH OF PLANT (L) |
| C-720-P | INSTRUMT MAINT TRAILER. | (4) D-5 (L) |
| C-720-Q | INSTRUMENT MAINTENANCE STO TRAILER. | (4) D-5 (L) |
| C-720-R | MASS SPECTROMETER REPAIR TRAILER. | D-5 (L) |
| C-720-S | INSTRUMENT MAINTENANCE TRAILER. | D-5 (L) |
| C-720-T | ELECTRICAL MAINTENANCE TRAILER. | (4) D-5 (L) |
| C-721 | GAS MANIFOLD STOR. | D-5 (L) |
| C-722 | ACID NEUTRALIZATION PIT. | (4) D-5 (L) |
| C-724-A | CARPENTER SHOP ANNEX. | C-5 (L) |
| C-724-B | CARPENTER SHOP. | C-4 (L) |
| C-724-C | PAINT SHOP. | C-5 (L) |
| C-724-D | LUMBER STOR BLDG. | C-5 (L) |
| C-724-T01 | CHANGEHOUSE TRAILER. | (4) C-5 (L) |
| C-725 | PAINT SHOP. | (4) C-4 (L) |
| C-726 | SANDBLAST BLDG. | C-4 (L) |
| C-727 | CHANGE HOUSE. | C-5 (L) |
| C-728 | MOTOR CLEANING FAC. | D-4 (L) |
| C-729 | ACETYLENE BUILDING. | (4) D-5 (L) |
| C-730 | MAINT SERV BLDG. | C-5 (L) |
| C-730-T-01 | OFFICE TRAILER. | (4) C-5 (R) |
| C-730-T-02 | OFFICE TRAILER. | (4) C-5 (L) |
| C-730-T-05 | OFFICE TRAILER. | (4) C-5 (U) |
| C-730-T-06 | OFFICE TRAILER. | (4) C-5 (L) |
| C-731 | RR REPAIR EQUIP STOR BLDG. | C-4 (L) |
| C-732 | MAINT. MATERIALS STOR. BLDG. | C-5 (L) |
| C-733 | WASTE OIL & CHEM. STOR. FAC. | C-4 (R) |
| C-740 | MATERIAL YARD. | C-5 (L) |
| C-740-A | SEMITRAILER UNLOADING FAC (INSIDE C-740). | C-5 (L) |
| C-740-B | OIL DRUM STOR SHELTER (INSIDE C-740). | C-5 (L) |
| C-740-C | MISC MATERIALS STOR YD. (INSIDE C-740). | C-5 (L) |
| C-741 | MOBILE EQUIP BLDG. | C-5 (L) |
| C-742 | CYL STOR BLDG. | C-5 (L) |
| C-742-B | DRYING AGENT CYL STOR. | C-3 (L) |
| C-743 | OFFICE BLDG. | C-5 (L) |
| C-743-A | HEALTH PHYSICS STORAGE. | (4) C-5 (L) |
| C-743-T-01 | OFFICE TRAILER. | (4) C-5 (R) |
| C-743-T-02 | OFFICE TRAILER. | (4) C-5 (R) |
| C-743-T-03 | OFFICE TRAILER. | (4) C-5 (R) |
| C-743-T-04 | SHOWER TRAILER. | (4) C-5 (R) |
| C-743-T-05 | SHOWER TRAILER. | (4) C-5 (R) |
| C-743-T-07 | OFFICE TRAILER. | (4) C-5 (R) |
| C-743-T-09 | OFFICE TRAILER. | (4) C-5 (R) |
| C-743-T-11 | TEMPORARY OFFICE. | (4) C-5 (L) |
| C-743-T-12 | TEMPORARY OFFICE. | (4) C-5 (L) |
| C-743-T-13 | TEMPORARY OFFICE. | (4) C-5 (L) |
| C-743-T-14 | TEMPORARY OFFICE. | (4) C-5 (L) |
| C-743-T-15 | TEMPORARY OFFICE. | (4) C-5 (L) |
| C-743-T-16 | TEMPORARY OFFICE. | (4) C-5 (L) |
| C-743-T-17 | FIELD LABORATORY. | (4) C-5 (R) |
| C-744 | LUBRICATION BLDG. | C-4 (L) |
| C-745-A | 2-1/2 TON CYL YD. | C-4 (L) |
| C-745-B | 10-TON CYL YD. | C-3 (L) |
| C-745-B1 | CYL STOR YD OFFICE. | C-3 (L) |
| C-745-B-T01 | CDM SAMPLE/CONTROL TRAILER. | C-3 (R) |
| C-745-B-T02 | RECTIFIER TRAILER (LASAGNA). | C-3 (R) |
| C-745-C | 14-TON CYL YD. | C-3 (R) |
| C-745-D | CYL STOR YD. | E-8 (R) |
| C-745-E | KELLOGG STOR YD. | E-4 (L) |
| C-745-F | CYL STOR YD. | D-7 (R) |
| C-745-G | CYL STOR YD. | E-7 (R) |
| C-745-G1 | BASIN LIFT STATION. | E-7 (R) |
| C-745-G2 | TEMP. CYL PAINT FACILITY. | E-7 (R) |
| C-745-G3 | TEMP. CYL PAINT FACILITY. | E-7 (R) |
| C-745-G4 | TEMP. CYL PAINT FACILITY. | E-7 (R) |
| C-745-G5 | TEMP. CYL PAINT FACILITY. | E-7 (R) |
| C-745-G-T01 | TEMP. OFFICE TRAILER. | E-7 (R) |
| C-745-H | SAFEGUARD CYL STOR YD. | E-2 (L) |
| C-745-J | FOREIGN CYL STOR YD. | E-2 (L) |
| C-745-K | CYL STOR YD. | D-7 (R) |
| C-745-L | CYL STOR YD. | E-7 (R) |
| C-745-M | CYL STOR YD. | D-8 (R) |
| C-745-N | CYL STOR YD. | E-8 (R) |
| C-745-P | CYL STOR YD. | E-8 (R) |
| C-745-Q | CYL STOR YD. | E-8 (L) |
| C-745-R | CYL STOR YD. | E-7 (L) |
| C-745-S | CYL STOR YD. | D-8 (R) |
| C-745-T | CYL STOR YD. | E-9 (R) |
| C-745-U | CYL STOR YD. | E-8 (L) |
| C-745-V | CYL STOR YD. | E-8 (L) |
| C-745-W | CYL YD HIGH ACTIVITY RAILRIAD PAD. | E-8 (L) |
| C-746-A | N WAREHSE (METAL FURN/SCRAP RECOV). | C-2 (R) |
| C-746-A-01 | UST. | (6) C-2 (R) |
| C-746-A-02 | UST. | (6) C-2 (R) |
| C-746-B | S WAREHSE. | C-2 (R) |
| C-746-C | CLEAN SCRAP YD (N). | C-2 (R) |
| C-746-C1 | CLEAN SCRAP YD (S). | C-2 (R) |
| C-746-D | CLASSIFIED SCRAP YD. | E-4 (R) |
| C-746-E | CONTAMINATED SCRAP YD (N). | C-2 (R) |
| C-746-E1 | CONTAMINATED SCRAP YD (S). | C-2 (R) |
| C-746-F | CLASSIFIED SCRAP BUR YD. | C-2 (R) |
| C-746-G | ELEC EQUIP STOR. | E-7 (L) |
| C-746-G-T1 | ELEC EQUIP STOR. | E-7 (L) |
| C-746-G-T2 | ELEC EQUIP STOR. | E-7 (L) |
| C-746-H1 | PEM STOR SLAB. | (4) D-4 (L) |
| C-746-H2 | PEM STOR SLAB. | (4) D-4 (L) |
| C-746-H3 | PEM STOR SLAB. | C-4 (R) |
| C-746-H4 | NICKEL INGOT STOR PAD. | (4) C-2 (R) |
| C-746-K | SAN LANDFILL (ABANDONED). | B-6 (R) |
| C-746-L | TRACTOR STORAGE AREA (LANDFILL). | (3) (R) |
| C-746-M | WASTE ASKAREL STOR FAC. | C-4 (R) |
| C-746-P | SCRAP METAL YD (E). | C-2 (R) |
| C-746-P1 | SCRAP METAL YD (W). | C-2 (R) |
| C-746-Q | GREENSALT DRUM STOR BLDG. | E-7 (R) |
| C-746-Q1 | HIGH ASSAY WASTE STORAGE FACILITY. | E-7 (L) |
| C-746-R | ORGANIC WASTE STOR AREA. | D-7 (R) |
| C-746-S | CLOSED SANITARY LANDFILL. | (3) (R) |
| C-746-S-01 | LANDFILL SERVICE BUILDING. | (3) (R) |
| C-746-S-02 | LANDFILL SERVICE BUILDING. | (3) (R) |
| C-746-S-03 | LANDFILL SERVICE BUILDING. | (3) (R) |
| C-746-S-04 | LANDFILL SERVICE BUILDING. | (3) (R) |
| C-746-T | CLOSED INERT LANDFILL. | (3) (R) |
| C-746-U | CONTAINED LANDFILL. | (3) (R) |
| C-746-U1 | SOL WASTE LANDFILL OFFICE BLDG. | (3) (R) |
| C-746-U2 | SOL WASTE LANDFILL EQUIP BLDG. | (3) (R) |
| C-746-U3 | SOL WASTE LANDFILL LEACHATE FAC. | (3) (R) |
| C-746-V | ER STORAGE PAD. | D-5 (R) |
| C-746-X | ELECTRICAL EQUIPMENT STORAGE BLDG. | E-2 (U) |
| C-747 | BURIAL AREA (INACT). | C-2 (R) |
| C-747-A | BURIAL AREA (INACT). | C-2 (R) |
| C-747-B | BURIAL AREA (INACT). | C-2 (R) |
| C-747-C & C-748-B AREA. | | C-4 (R) |
| C-747-C | OIL LANDFARM AREA. | C-4 (R) |
| C-747-D | H3 PAD CLAMSHELL. | C-4 (R) |
| C-747-E | H3 PAD CLAMSHELL. | C-4 (R) |
| C-747-F | H3 PAD OFFICE TRAILER. | C-4 (R) |
| C-748-A | KOW DISPOSAL AREA (INACT). | C-6 (R) |
| C-748-B | BURIAL AREA (INACTIVE). | C-4 (R) |
| C-749 | URAN SCRAP BURIAL YD (INACT). | C-3 (R) |
| C-750 | GARAGE. | D-5 (L) |
| C-750-D | UNDERGROUND STORAGE TANK. | (6) D-5 (R) |
| C-751 | FUEL DISPENSING FACILITY. | C-5 (L) |
| C-752 | RA WASTE HOLDING FACILITY. | D-3 (R) |
| C-752-A | ER WASTE STORAGE FACILITY. | C-5 (R) |
| C-752-B | DECONTAMINATION PAD. | C-5 (R) |
| C-752-C | OFFSITE DECONTAMINATION PAD. | C-5 (R) |
| C-752-D | ER CLAM SHELL. | C-6 (R) |
| C-752-T-01 | ER WAREHOUSE TRAILER. | C-5 (R) |
| C-752-T-02 | ER WAREHOUSE TRAILER. | C-5 (R) |
| C-752-T-03 | ER WAREHOUSE TRAILER. | C-5 (R) |
| C-752-T-04 | ER WAREHOUSE TRAILER. | C-5 (R) |
| C-752-T-05 | ER WAREHOUSE TRAILER. | C-5 (R) |
| C-752-T-06 | ER WAREHOUSE TRAILER. | C-5 (R) |
| C-752-T-07 | ER WAREHOUSE TRAILER. | C-5 (R) |
| C-752-T-08 | ER WAREHOUSE TRAILER. | C-5 (R) |
| C-752-T-09 | WASTE OPERATIONS OFFICE. | C-5 (R) |
| C-753-A | TSCA STORAGE FACILITY. | C-3 (R) |
| C-754 | LOW LEVEL WASTE STORAGE. | D-4 (U) |
| C-754-A | LOW LEVEL WASTE STORAGE. | E-4 (U) |
| C-755-A | DECONTAMINATION PAD. | F-4 (R) |
| C-755-B | CHANGE HOUSE. | F-4 (R) |
| C-755-C | STORAGE SHED. | F-4 (R) |

# UNITED STATES DEPARTMENT OF ENERGY

| FACILITY NUMBER | | MAP LOCATION |
|---|---|---|
| C-755-D | GUARD SHACK. | F-4 (R) |
| C-755-T-01 | OFFICE TRAILER. | F-4 (R) |
| C-755-T-02 | OFFICE TRAILER. | (4) F-4 (R) |
| C-755-T-03 | OFFICE TRAILER. | (4) F-4 (R) |
| C-755-T-04 | OFFICE TRAILER. | (4) F-4 (R) |
| C-755-T-05 | OFFICE TRAILER. | (4) F-4 (R) |
| C-755-T-06 | OFFICE TRAILER. | (4) F-4 (R) |
| C-755-T-07 | OFFICE TRAILER. | (4) F-4 (R) |
| C-755-T-08 | OFFICE TRAILER. | (4) F-4 (R) |
| C-755-T-09 | OFFICE TRAILER. | (4) F-4 (R) |
| C-755-T-10 | GROUNDWATER STO TRAILER. | (4) F-4 (R) |
| C-755-T-11 | GROUNDWATER STO TRAILER. | (4) F-4 (R) |
| C-755-T-12 | GROUNDWATER STO TRAILER. | (4) F-4 (R) |
| C-757 | SOLID & LL WASTE PROC FACILITY. | D-2 (U) |
| C-757-T01 | HP OFFICE TRAILER. | D-2 (U) |
| C-770 | VORTEC DEMONSTRATION PLANT. | D-2 (R) |
| C-800 | MOTORCYCLE PARKING AREA. | D-6 (L) |
| C-801 | OHIO DR BUS SHELTER. | (4) D-5 (L) |
| C-802 | METEROLOGICAL TOWER. | (2) D-7 (L) |
| C-810 | PARKING AREA (C-100). | D-6 (L) |
| C-811 | PARKING AREA (C-720). | D-6 (L) |
| C-RWS | RAW WATER PUMPING STA & PIPELINES. | (5) (L) |
| Z-SWMU-11 | C-400 TRICHLOROETHYLENE LEAK SITE. | (R) |
| Z-SWMU-12 | C-747-A UF4 DRUM YARD. | (R) |
| Z-SWMU-30 | C-747-A BURN AREA. | (R) |
| Z-SWMU-31 | C-720 COMPRESSOR PIT WATER STO TANK. | (R) |
| Z-SWMU-74 | C-340 PCB SPILL SITE. | (R) |
| Z-SWMU-76 | C-632-B H2SO4 STORAGE TANK. | (R) |
| Z-SWMU-77 | C-634-B H2SO4 STORAGE TANK. | (R) |
| Z-SWMU-81 | UF6 CYLINDER DROP TEST AREA. | (R) |
| Z-SWMU-82 | FILL AREA FOR C-420 PCB SPILL SITE. | (R) |
| Z-SWMU-93 | CONCRETE DISPOSAL. | (R) |
| Z-SWMU-96 | COOLING TOWER SCRAP WOOD PILE. | (R) |
| Z-SWMU-100 | FIRE TRAINING AREA. | (R) |
| Z-SWMU-137 | C-746-A INACTIVE PCB TRANSF/SUMP. | (R) |
| Z-SWMU-138 | C-100 SOUTH LAWN w/C-611 SLUDGE. | (R) |
| Z-SWMU-145 | RESIDENTIAL LANDFILL BORROW AREA. | (R) |
| Z-SWMU-159 | C-746 H3PAD. | (R) |
| Z-SWMU-160 | C-745 CYL YARD SPOILS/PCB SOIL CONTAM. | (R) |
| Z-SWMU-162 | C-617-A SAN WATER LINE-SOIL BACKFILL. | (R) |
| Z-SWMU-169 | C-410-E HF VENT SURGE PROT TANK. | (R) |
| Z-SWMU-170 | C-729 ACETYLENE BUILDING DRAIN PITS. | (R) |
| Z-SWMU-183 | McGRAW UST. | (R) |

## LEGEND

- FACILITIES LEASED TO USEC
- FACILITIES RETAINED BY DOE
- COMMON AREA LEASED TO USEC
- AREA RETURNED TO DOE
- AREA RETAINED BY DOE
- RAILROAD LEASED TO USEC

## GENERAL NOTES

(1) INDICATES SYSTEMS SHOWN IN TABLE FOR REFERENCE ONLY, NOT LOCATED ON MAP

(2) STRUCTURES/FACILITIES DO NOT EXIST IN EXHIBIT A AND ARE CONSIDERED LEASED BY BOTH DOE AND USEC. LEASE EXHIBIT A TO BE UPDATED ON NEXT REVISION

(3) STRUCTURES/FACILITIES LOCATED EXTERNAL OF PLANT VIEW SHOWN

(4) BUILDING NUMBER NOT SHOWN ON MAP IN CONGESTED AREAS.

(5) STRUCTURES/FACILITIES HAVE BEEN REMOVED, LEASE EXHIBIT A STATUS WILL BE UPDATED ON NEXT REVISION.

(6) INDICATES UNDERGROUND STRUCTURES SHOWN IN TABLE FOR REFERENCE ONLY AND ARE NOT LOCATED ON MAP

(7) MAP LOCATION FIELDS DEFINED AS FOLLOWS:

(4) C-4 (L)
- (L) – LEASED TO USEC
- (U) – OWNED BY USEC
- (R) – RETAINED BY DOE
- GRID LOCATION WHERE LOCATED
- REFERENCE TO GENERAL NOTE DESCRIPTION

## EXHIBIT A GENERAL NOTES

(a) THIS IS THE OFFICIAL BUILDING LEASE STATUS PER REVISION III OF THE LEASE EXHIBIT A.

(b) USE OF FACILITY INCLUDES AREA NECESSARY FOR INGRESS, EGRESS, AND PROPER MAINTENANCE OF FACILITY.

(c) ALL EXISTING AND FUTURE DOE MONITORING WELLS, PIEZOMETERS, EXTRACTION WELLS, AND BORINGS (TEMPORARY OR PERMANENT) USED FOR THE PURPOSES OF COLLECTING WATER LEVEL MEASUREMENTS AND/OR SAMPLES FOR PHYSICAL AND/OR CHEMICAL ANALYSES ARE THE PROPERTY OF DOE AND SHALL BE CONSIDERED NON-LEASED FACILITIES. THE NON-LEASED FACILITY ASSOCIATED WITH EACH MONITORING WELL, ETC., WILL INCLUDE ALL LANDS WITHIN A 10-FOOT RADIUS OF THE WELL HEAD, ETC. DOE/BJC-LLC AND THEIR SUBCONTRACTORS SHALL BE ALLOWED INGRESS TO AND EGRESS FROM EACH WELL, PIEZOMETER, OR BORING LOCATION AS NECESSARY. ACTIVITIES CONDUCTED IN THESE LOCATIONS, INCLUDING INGRESS AND EGRESS ROUTES, WILL BE MANAGED IN ACCORDANCE WITH APPLICABLE DOE REQUIREMENTS. AT THE REQUEST OF LMUS OR USEC, DOE WILL PERFORM SAMPLING AS A REIMBURSABLE SERVICE FOR USEC.

(d) ALL EXISTING SWMUs/AOCs ARE THE PROPERTY OF DOE. DOE/BJC-LLC AND THEIR SUBCONTRACTORS SHALL BE ALLOWED INGRESS TO AND EGRESS FROM EACH SWMU/AOC AS NECESSARY, INCLUDING THOSE THAT ARE OPERATING.

SCALE 0 50 100 200 400 800 FEET

THE GRID AND COORDINATES AS SHOWN REPRESENTS THE PLANT GRID SYSTEM

U.S. DEPARTMENT OF ENERGY

Tetra Tech NUS, Inc.

PADUCAH GASEOUS DIFFUSION PLANT FACILITY LEASE STATUS

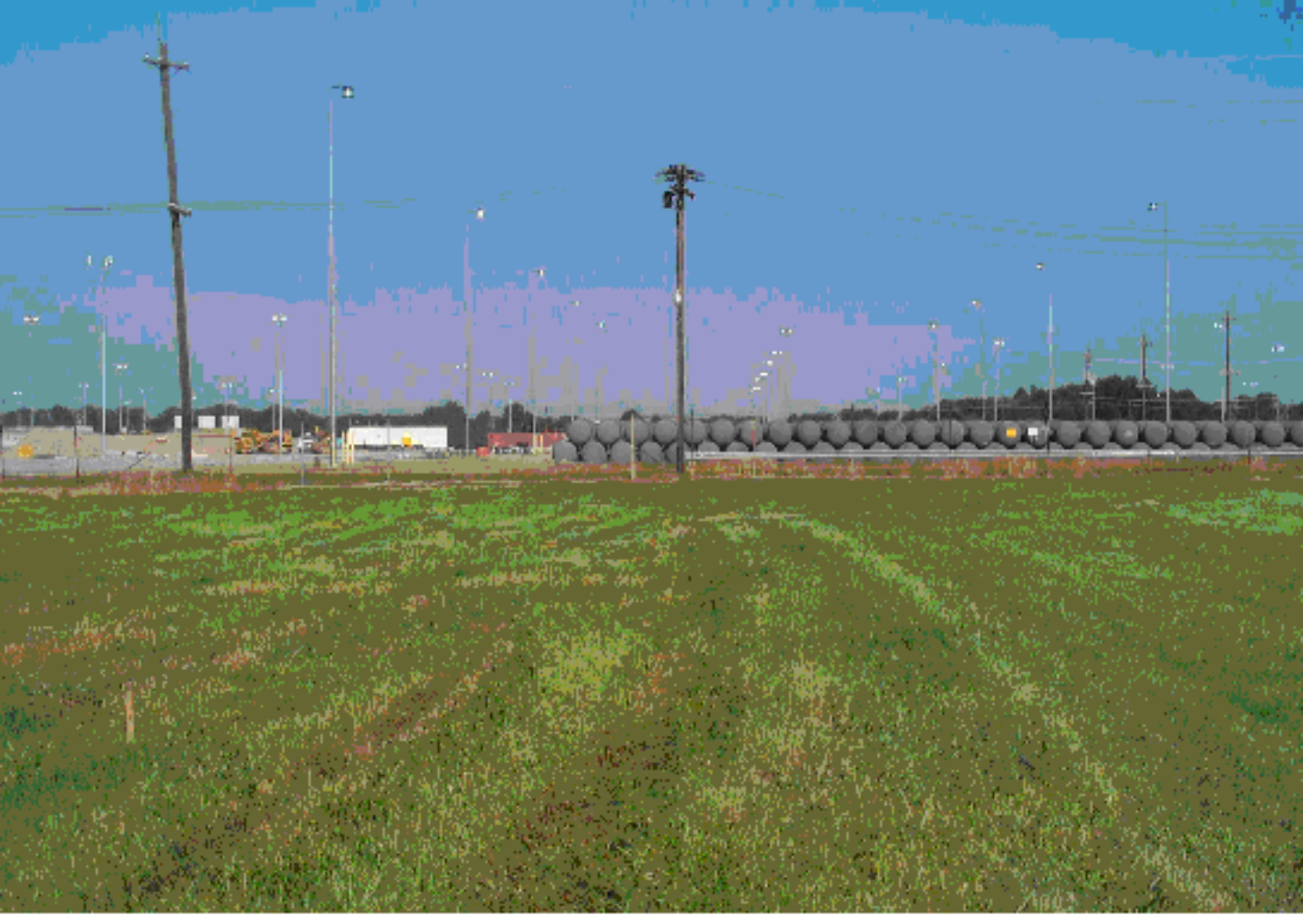
BECHTEL JACOBS

C5EC90000A046 2

# Section 4.0, *Site Photographs*

Paducah DUF6 Site - West View

Paducah DUF6 Site - Southwest View



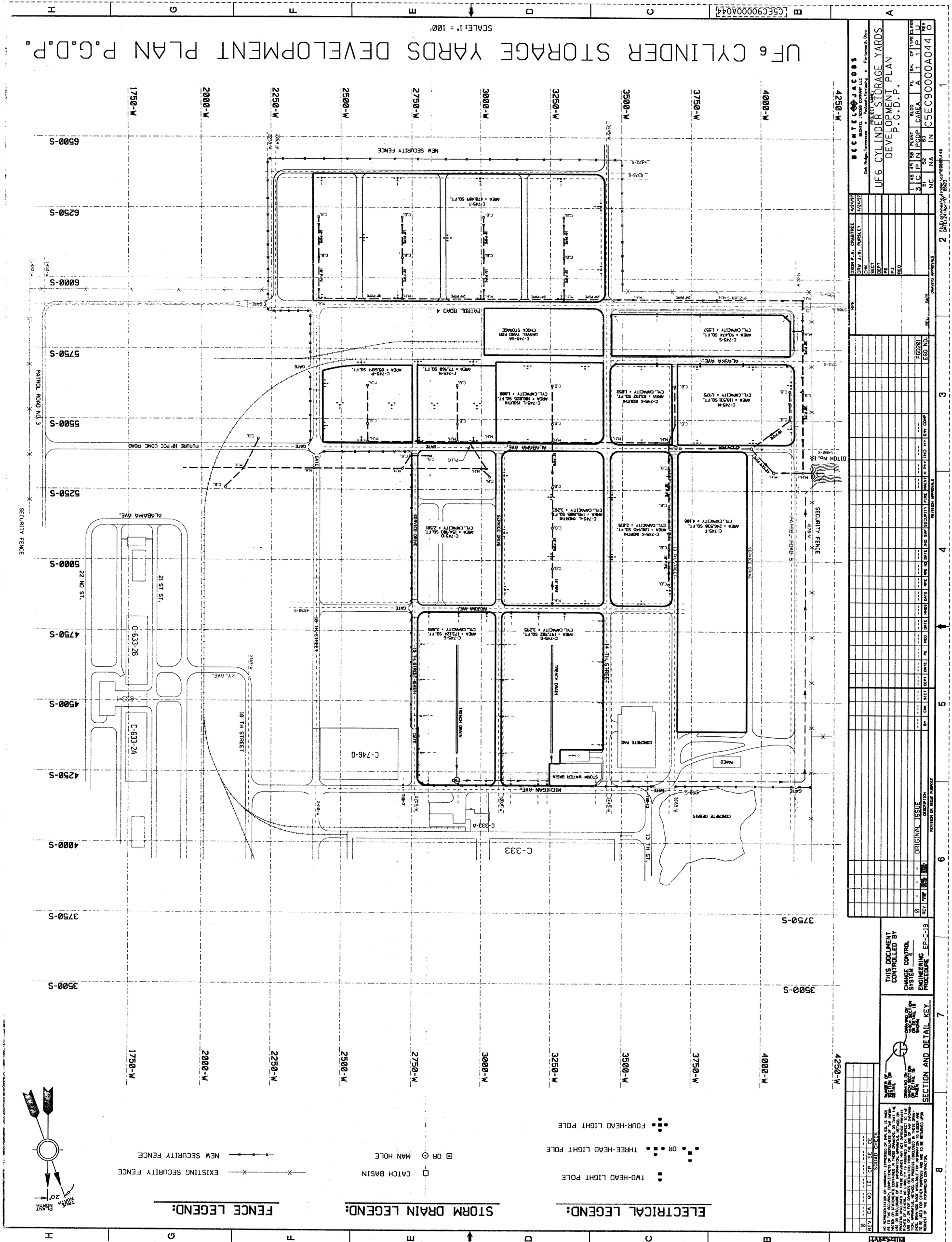
**Paducah DUF6 Site - East View**

# Section 5.0, *Cylinder Yard Storage Maps*

## Estimated Cylinder Yard Capacities for 48-inch Cylinder Storage

| Yard Name | Quantity | Comment |
|---|---|---|
| C-745-D | 611 | *Actual |
| C-745-F | 10,432 | |
| C-745-G | 5,777 | *Actual |
| C-745-K (south) | 1,360 | |
| C-745-K (north) | 2,705 | |
| C-745-L (south) | 2,275 | |
| C-745-L (north) | 4,332 | |
| C-745-M | 2,504 | |
| C-745-N | 1,668 | |
| C-745-P | 1,876 | |
| C-745-S | 2,224 | *Actual |
| C-745-T | 8,750 | |
| Total | 44,514 | |

*Actual capacities are as of September 10, 1998.



UF6 CYLINDER STORAGE YARDS DEVELOPMENT PLAN P.G.D.P.
SCALE: 1" = 100'
C5EC90000A044
BECHTEL JACOBS
BECHTEL JACOBS COMPANY LLC
Oak Ridge, Tennessee • Paducah, Kentucky • Portsmouth, Ohio
PROJECT NAME:
UF6 CYLINDER STORAGE YARDS
DEVELOPMENT PLAN
P.G.D.P.
C5EC90000A044
ORIGINAL ISSUE
THIS DOCUMENT CONTROLLED BY
CHANGE CONTROL SYSTEM 4
ENGINEERING PROCEDURE EP-C-18
SECTION AND DETAIL KEY
ELECTRICAL LEGEND:
TWO-HEAD LIGHT POLE
OR
THREE-HEAD LIGHT POLE
FOUR-HEAD LIGHT POLE
STORM DRAIN LEGEND:
CATCH BASIN
OR
MAN HOLE
FENCE LEGEND:
EXISTING SECURITY FENCE
NEW SECURITY FENCE
PATROL ROAD 4
PATROL ROAD NO. 3
PATROL ROAD 5
ALASKA AVE.
ALABAMA AVE.
MICHIGAN AVE.
ARIZONA AVE.
SERVICE DRIVE
18 TH STREET
14 TH STREET
13 TH ST.
22 ND ST.
21 ST ST.
KY. AVE.
FUTURE 10' PCC CONC ROAD
DITCH No. 12
SECURITY FENCE
NEW SECURITY FENCE
TRENCH DRAIN
STORM WATER BASIN
CONCRETE PAD
CONCRETE DEBRIS
PAVED
C-633-2B
C-633-2A
C-746-0
C-333-A
C-333
1750-W
2000-W
2250-W
2500-W
2750-W
3000-W
3250-W
3500-W
3750-W
4000-W
4250-W
6500-S
6250-S
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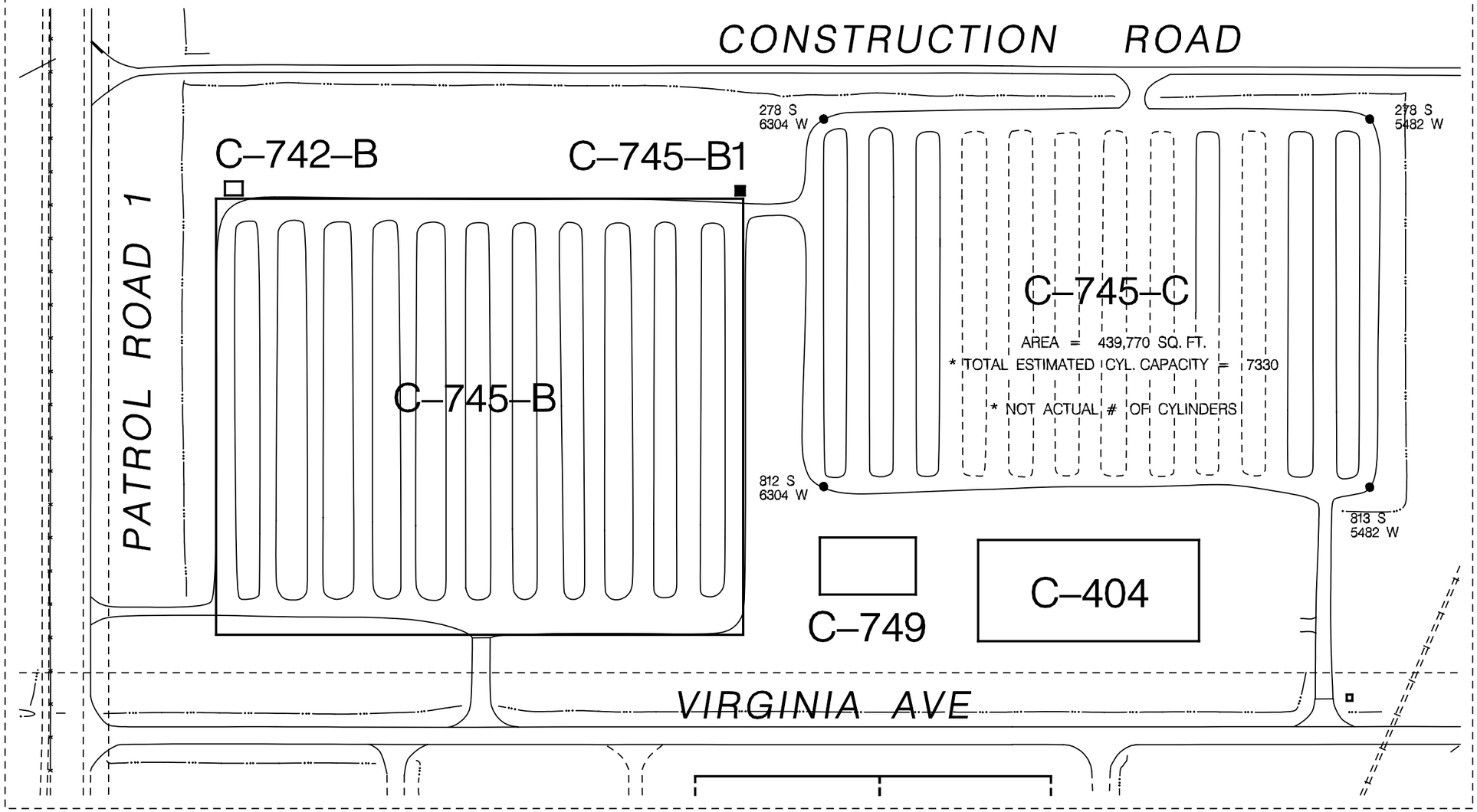
4000-S
3750-S
3500-S




U.S. DEPARTMENT OF ENERGY

DOE OAK RIDGE OPERATIONS

PADUCAH GASEOUS DIFFUSION PLANT

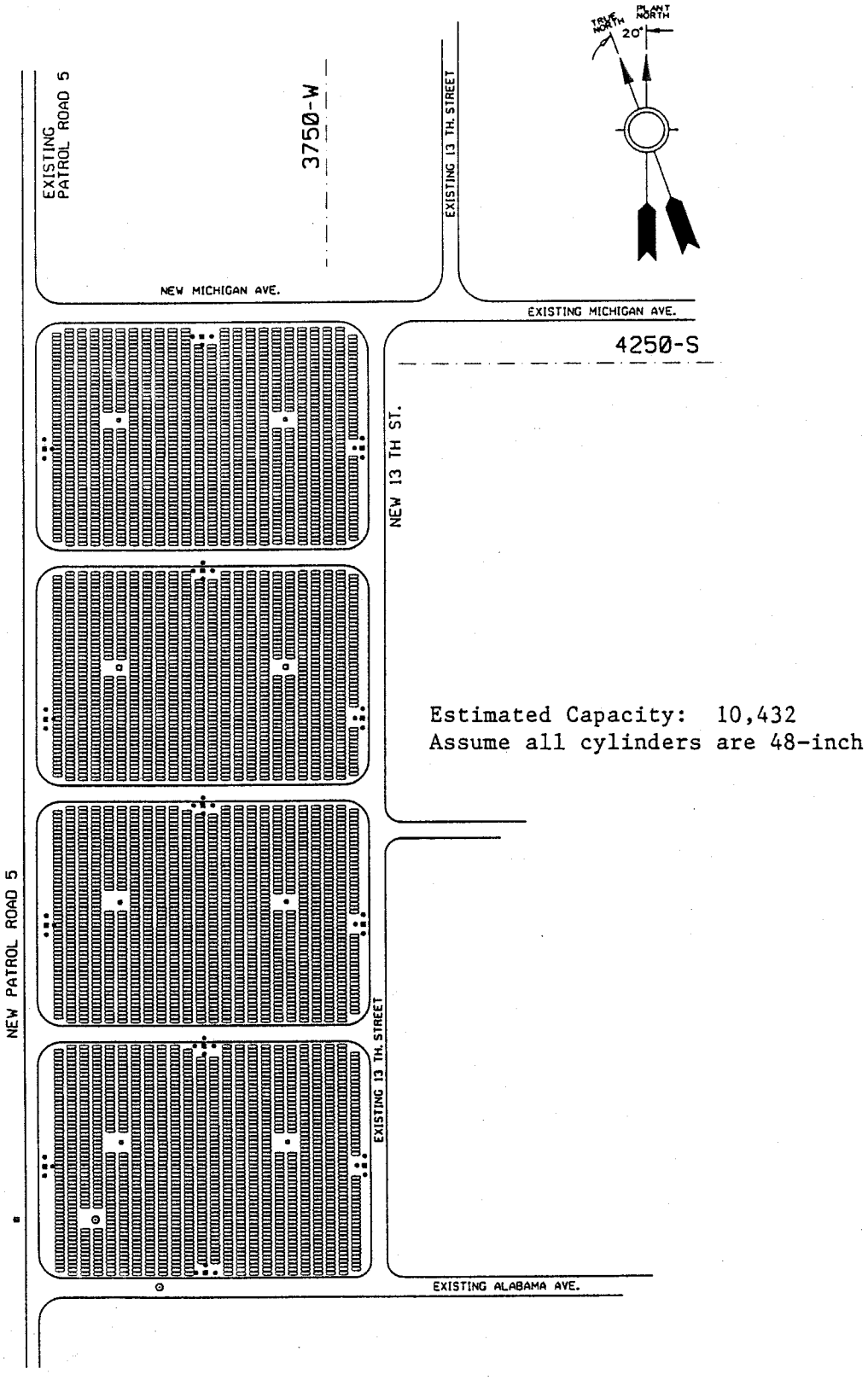
BECHTEL JACOBS COMPANY, LLC

managed for the [illegible]

Tetra Tech, Inc
OAK RIDGE, TENNESSEE
(865) 483-9900
FAX (865) 483-2014

FIGURE No. CYLYARDS.DGN

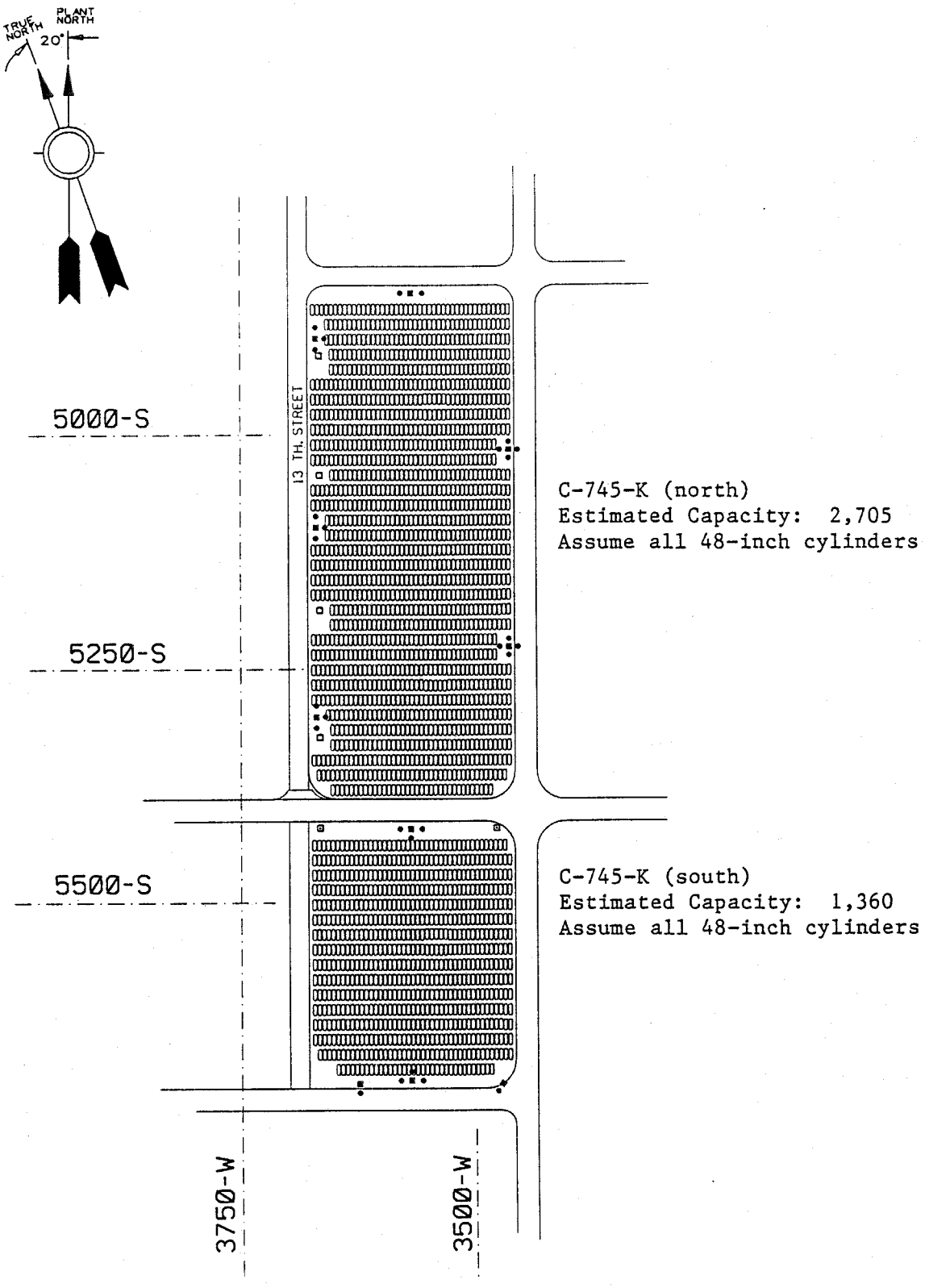
DATE 9–26–00




Estimated Capacity: 10,432
Assume all cylinders are 48-inch

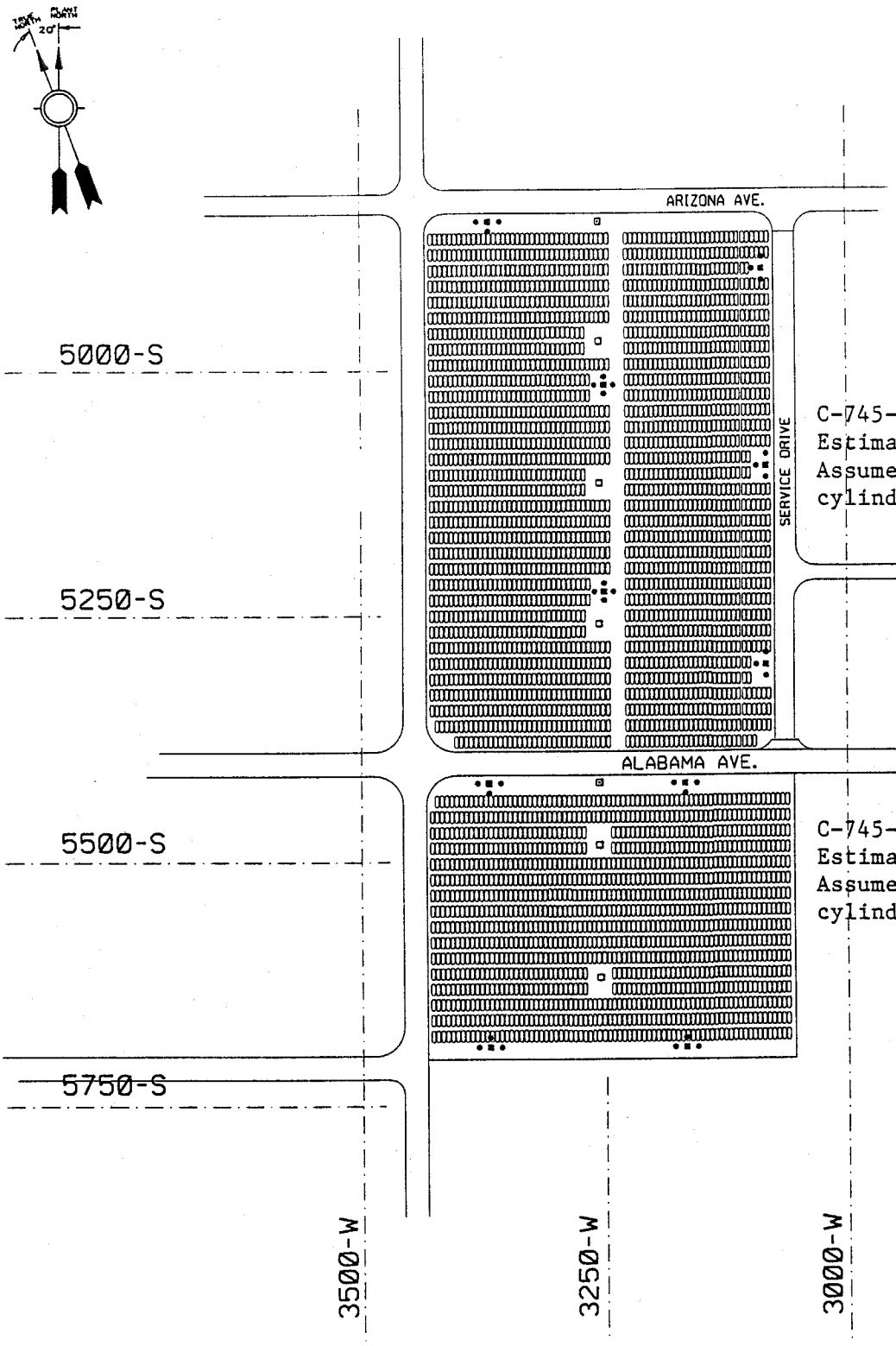
# P L A N

C-745-F CYLINDER STORAGE YARD



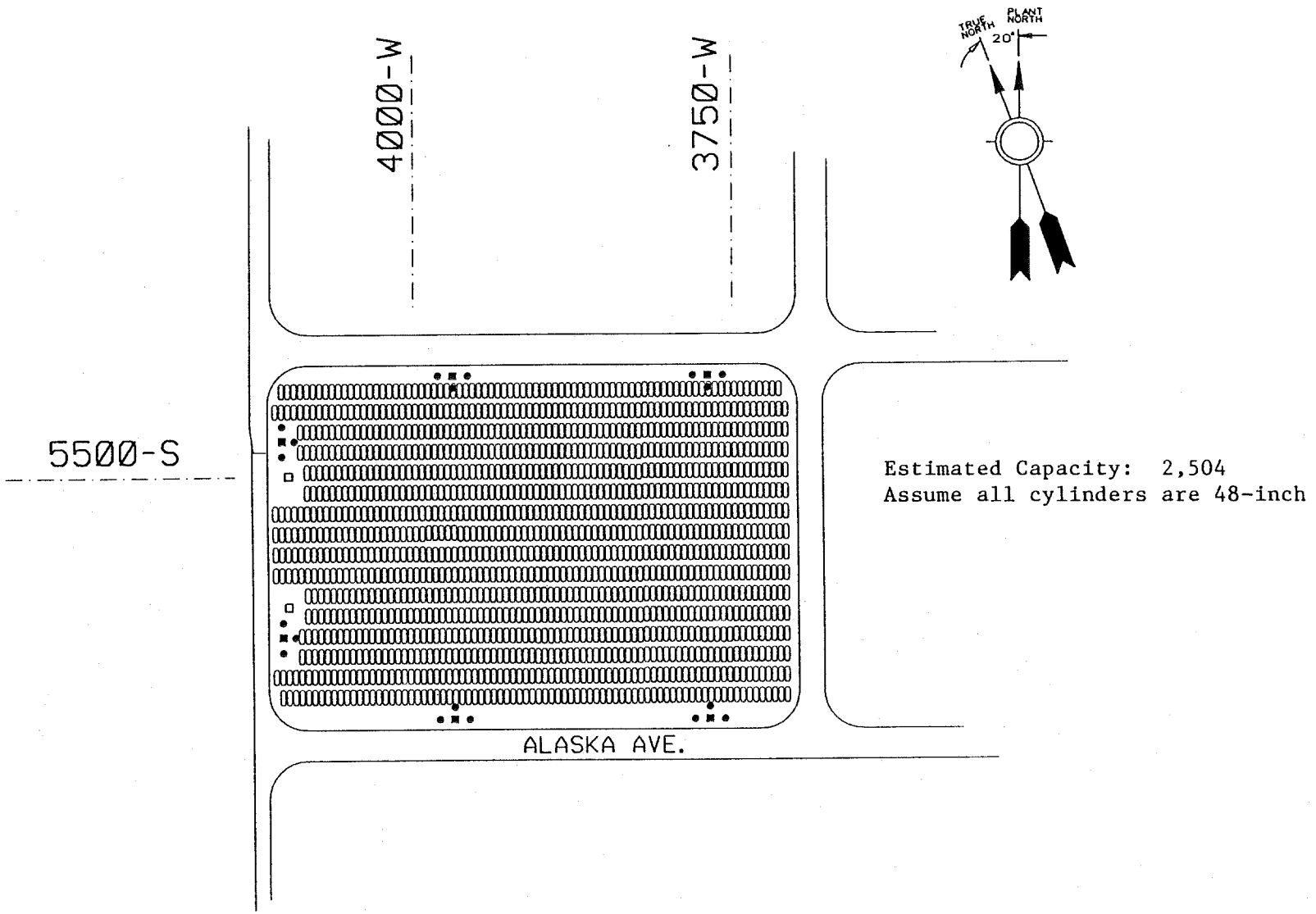

# P L A N

C-745-K CYLINDER STORAGE YARD




# P L A N

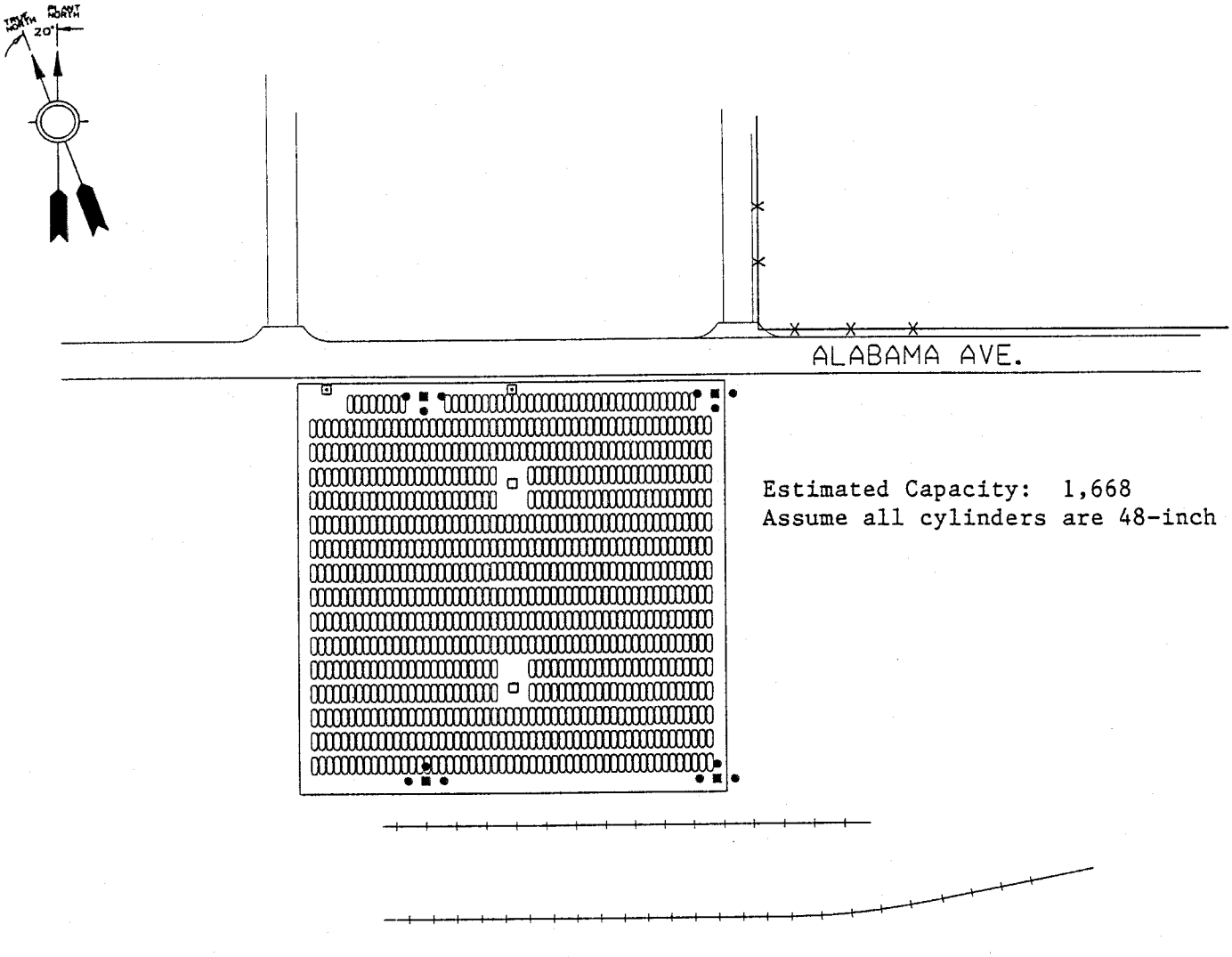
C-745-L CYLINDER STORAGE YARD




Estimated Capacity: 2,504
Assume all cylinders are 48-inch

# P L A N

C-745-M CYLINDER STORAGE YARD




Estimated Capacity: 1,668
Assume all cylinders are 48-inch

# P L A N

## C-745-N CYLINDER STORAGE YARD

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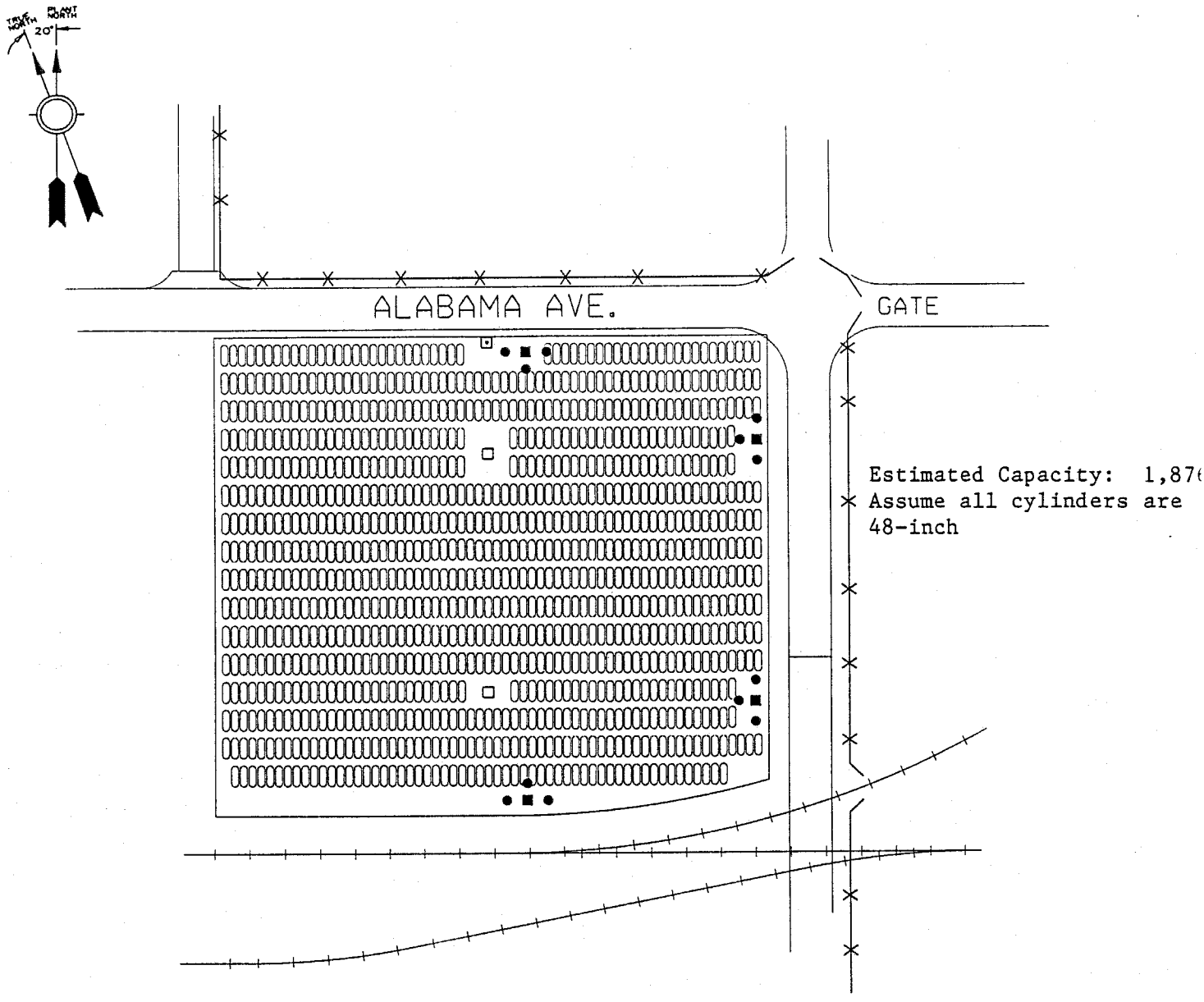
DATE: 4-Jun-98 08:19




# P L A N

## C-745-P CYLINDER STORAGE YARD

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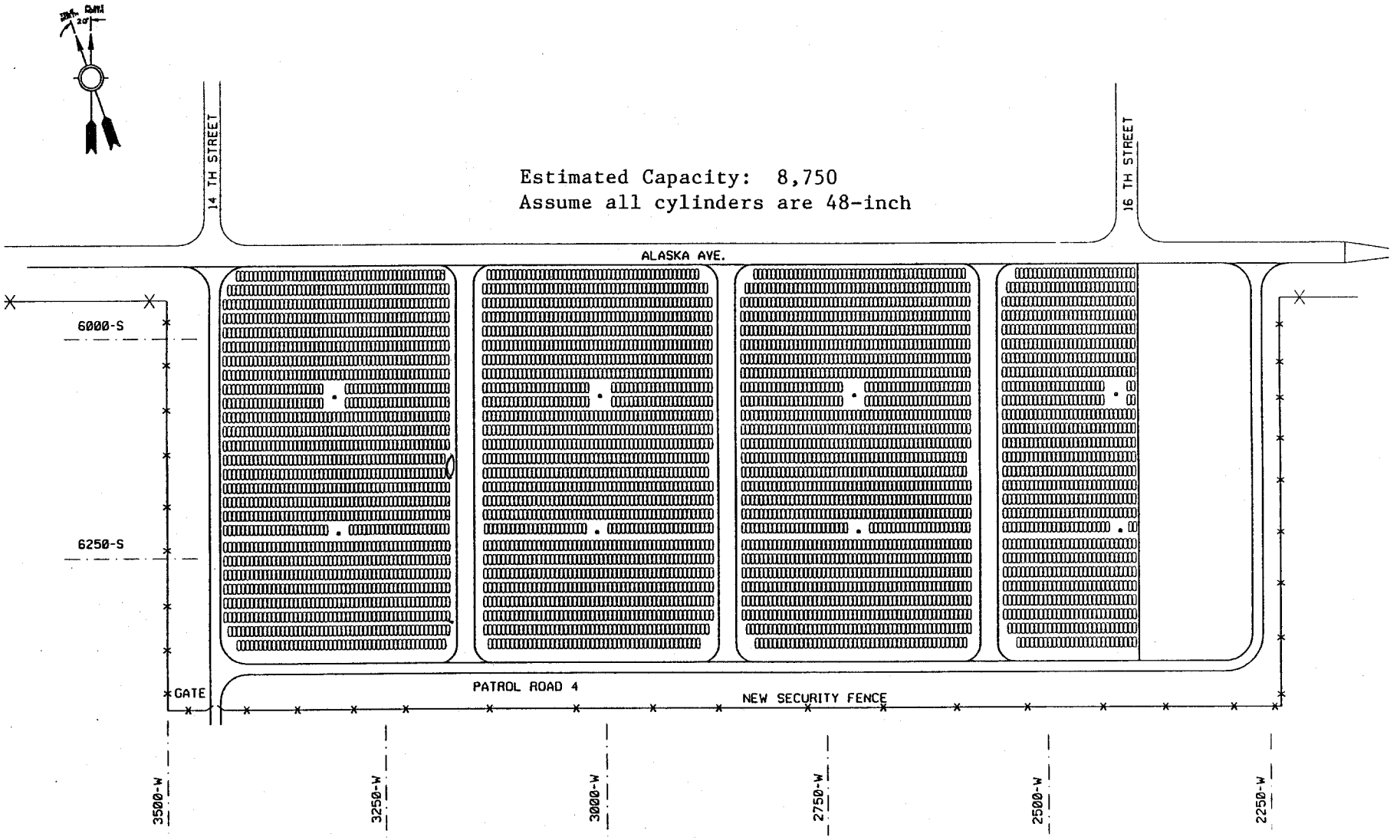
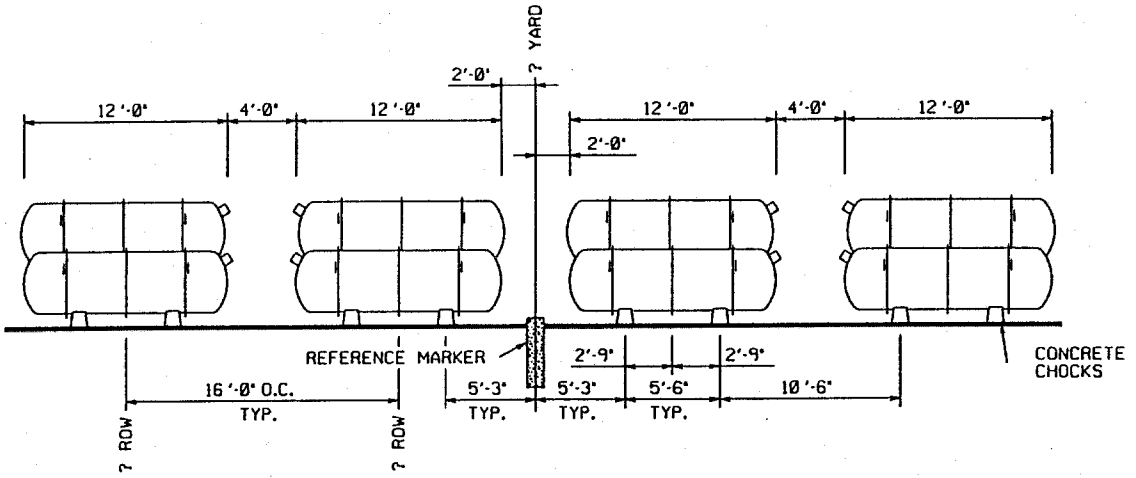


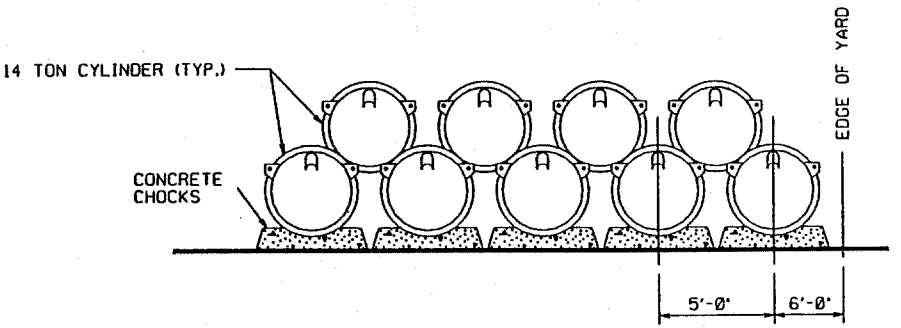

# PLAN

## C-745-T CYLINDER STORAGE YARD

FIGURE 1

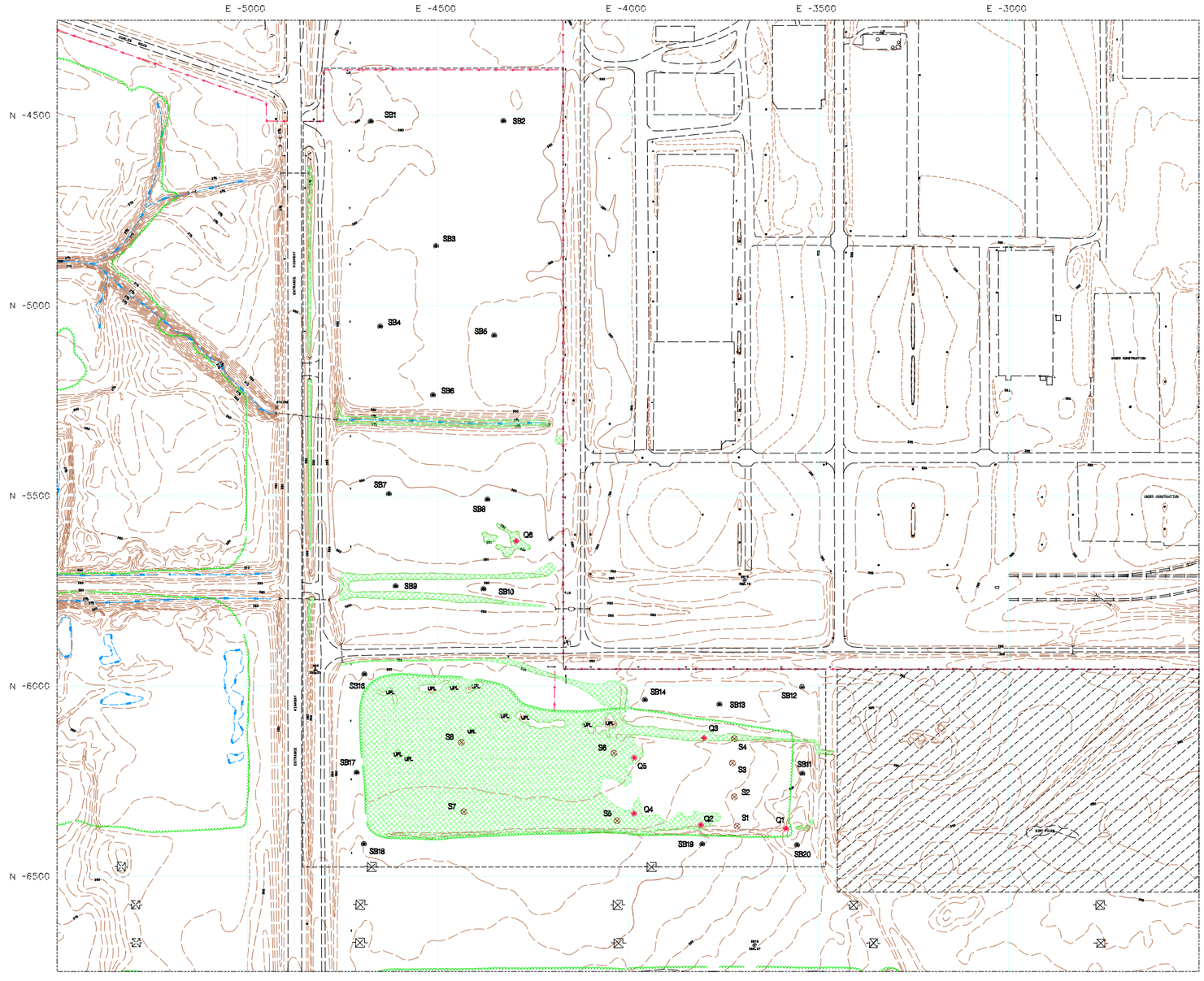



TYPICAL CYLINDER ROW SECTION




TYPICAL CYLINDER YARD SECTION

# Section 6.0, *Wetlands Mapping*




PADUCAH GRID

N

200 100 0 100 200

SCALE: 1" = 100'

## LEGEND

- SITE CHARACTERIZATION SAMPLE LOCATION
- PRELIMINARY WETLAND BOUNDARY (VEGETATION, SOILS & HYDROLOGY)
- WETLAND SAMPLE QUADRAT
- SOIL SAMPLE POINTS
- UPL UPLAND AREA
- D&D AREA
- TREE LINE
- C-745-T YARD

NOTE: CONTOUR INFORMATION OBTAINED FROM 1990 AERIAL FLYOVER DATA, PRIOR TO CONSTRUCTION OF C-745-T.

Tetra Tech, Inc
OAK RIDGE, TENNESSEE
PHONE (865) 483-6900
FAX (865) 483-2014

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SECTION AND DETAIL KEY

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 0 | 06/30/00 | ISSUED FOR INFORMATION | | | | | | | | | | | |

BECHTEL JACOBS COMPANY, LLC
managed for the DEPARTMENT OF ENERGY under
U.S. GOVERNMENT contract DE-AC-05-98OR22700

BECHTEL JACOBS JOB NO. 23900

DOE CONTRACT NO. DE-AC-05-98OR22700

PROJECT NAME: PADUCAH DUF6 STORAGE AREA

TITLE: DUF6 CONVERSION AREA WETLAND SURVEY MAP

EDCS CAD FILENAME: DSE96048.R0

BUILDING: C-AREA

PLANT: PAD

CLASS: U

SCALE: 1" = 100'

TYPE: DD

DRAWING NUMBER: CRECSCCCAC98

REV: 0