

ARCO 6175  
AUBURN/FED WAY  
RELEASE 400435  
ISIS, 9461  
NW 2534.



Antea USA, Inc.  
4006 148<sup>th</sup> Avenue NE  
Redmond, Washington 98052 USA  
www.anteagroup.com

October 23, 2012

Mr. John Bails  
Washington Department of Ecology  
Northwest Regional Office  
3190 160<sup>th</sup> Avenue SE  
Bellevue, WA 98008

Re: Well Abandonment and Remediation  
System Decommissioning Activities  
ARCO Facility No. 6175  
3910 South 320<sup>th</sup> Street  
Auburn, Washington

Dear Mr. Bails:

On behalf of Atlantic Richfield Company (ARC), Antea<sup>TM</sup> Group completed well abandonment and remediation system decommissioning activities at ARCO Facility No. 6175 located at 3910 South 320<sup>th</sup> Street in Auburn, Washington (hereinafter referred to as "subject property"). A Site Location Map is provided as Figures 1. All activities were completed following a No Further Action determination issued by the Washington State Department of Ecology (Ecology) for the subject property.

Antea Group contracted Custom Backhoe and Dump Truck Services (Custom Backhoe) of Bellevue, Washington to remove the remediation compound located behind the station building at the subject property. Bellevue Electric of Bellevue, Washington was contracted to isolate electrical service, and remove all electrical system components and conduits. Remediation system decommissioning activities were completed on August 7, 2012. Decommissioning activities included the removal of compound fence panels, a regenerative blower, a sound enclosure, a 55-gallon vapor/liquid separator tank, an electrical service panel, a control panel, and associated PVC piping. A PVC vapor conduit entering into the remediation system was cut off at ground level and sealed with concrete. All material was transported offsite for disposal.

✓ Cascade Drilling, Inc. (Cascade) of Woodinville, Washington was contracted by Antea Group to complete the abandonment of vapor extraction wells VE-1 through VE-5. Cascade completed the well abandonment activities on August 10, 2012. A Site Map including the locations of the abandoned wells are presented in Figure 2.

The vapor extraction wells were abandoned according to the requirements of the Ecology's Water Well Construction Act (1971) Chapter 18.104 RCW (WAC 173-160-460). The wells with large surface vaults were filled with hydrated bentonite chips to approximately three feet below ground surface. The remaining space was filled with concrete to the ground surface. The vault lids were concreted in place. Copies of the boring logs are enclosed with this submittal.

If you questions concerning the well abandonment activities or other aspects of this project, please contact Bryan Taylor at (425) 498-7727.

Sincerely,



Brandon Bickler  
Staff Professional

Reviewed by:



Bryan Taylor  
Senior Project Manager

Enclosures:

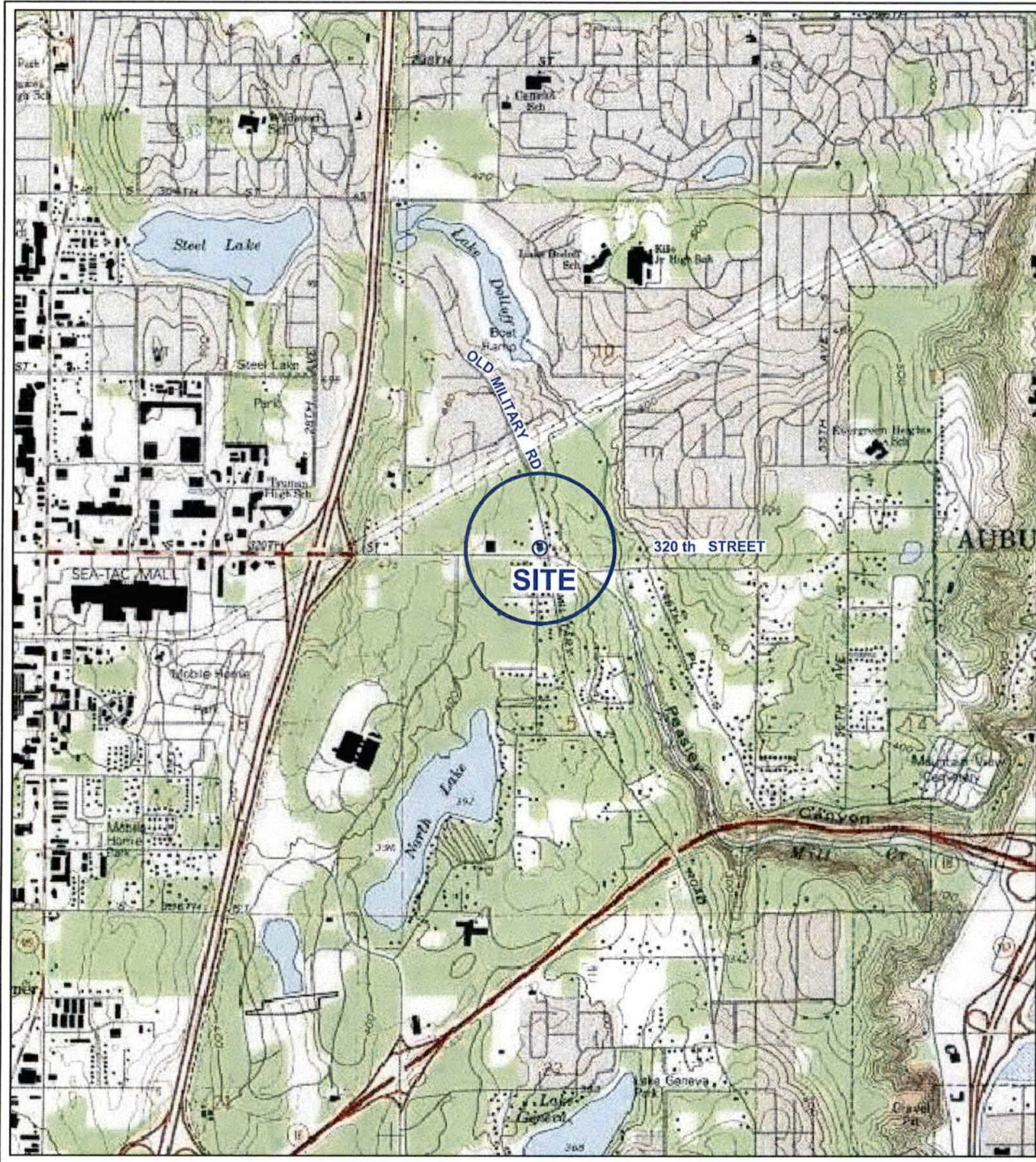
Figure 1 - Site Location Map

Figure 2 - Site Map

Well Abandonment Boring Logs

cc: Paul Supple, Atlantic Richfield Company (Electronic Copy - Enfos Upload)  
File, Antea Group





GENERAL NOTES:  
 BASE MAP FROM TERRAIN NAVIGATOR PRO  
 POVERTY BAY, WA. QUADRANGLE  
 7.5 MINUTE TOPOGRAPHIC MAP  
 1961  
 PHOTOREVISED 1994



QUADRANGLE LOCATION

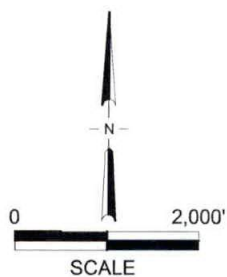


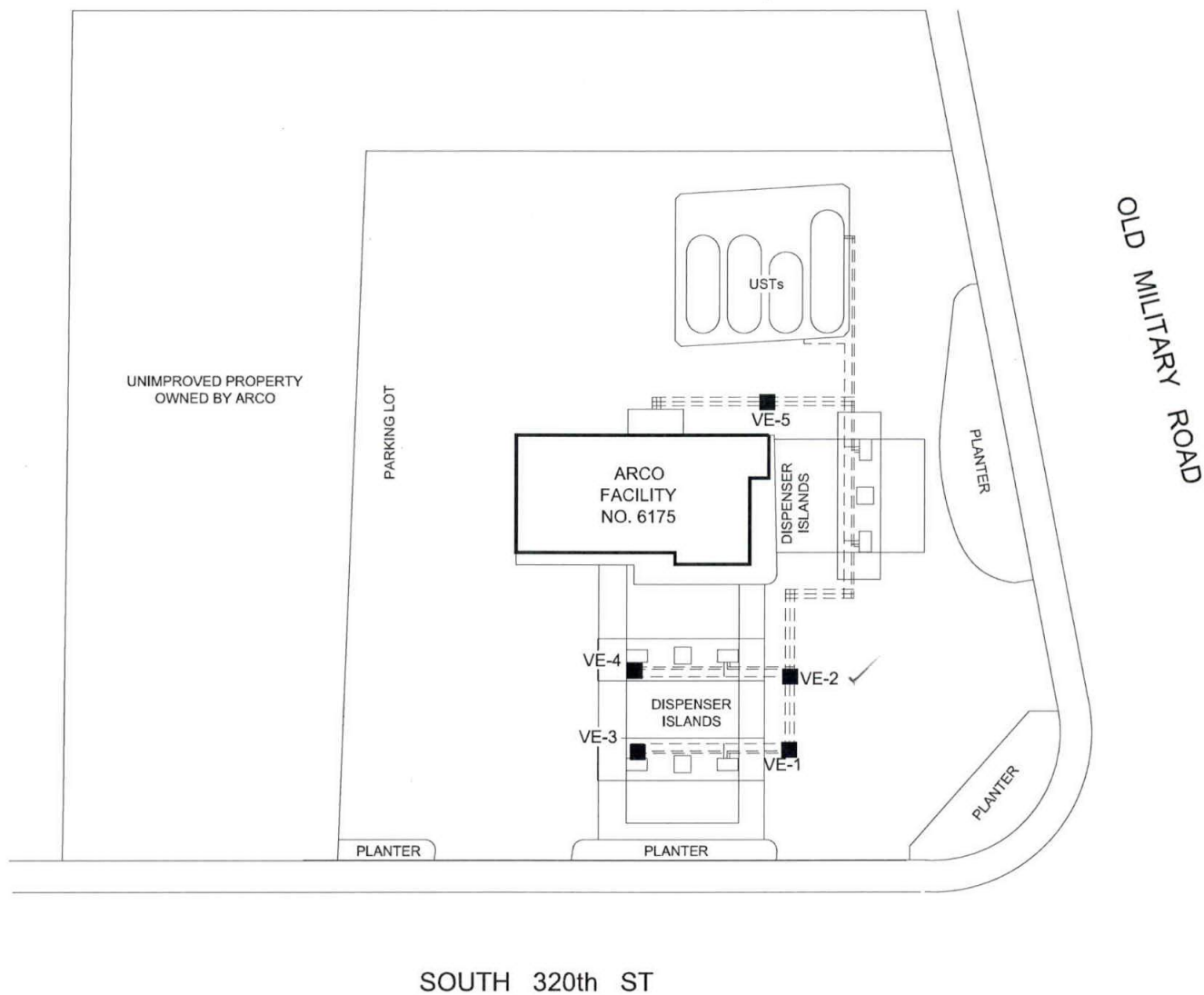
FIGURE 1

SITE LOCATION MAP  
 ARCO FACILITY NO. 6175  
 3910 S. 320th STREET  
 AUBURN, WA.

PROJECT NO. 06175OW111	DRAWN BY K. MARTIN
FILE NO. 6175-SLM	PREPARED BY M. MANIVONG
DATE 13 JUL 11	REV. 1 REVIEWED BY







# LEGEND:

- VE-3 ■ ABANDONED WELL LOCATION
- — — SOIL VAPOR EXTRACTION BELOW GRADE CONVEYANCE PIPING

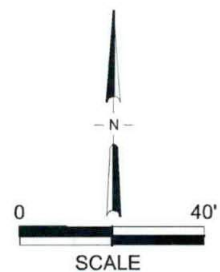


FIGURE 2  
SITE MAP

ARCO FACILITY NO. 6175  
3910 SOUTH 320th STREET  
AUBURN, WA.

PROJECT NO. 06175EA121	DRAWN BY KYM 7/25/12
FILE NO. AR-6175a -SM	PREPARED BY BB
REVISION NO. 1	REVIEWED BY



# RESOURCE PROTECTION WELL REPORT

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

CURRENT

Notice of Intent No. AE18475

## Construction/Decommission

☐ Construction

☒ Decommission ORIGINAL INSTALLATION Notice  
of Intent Number \_\_\_\_\_

## Type of Well

☒ Resource Protection

☐ Geotechnical Soil Boring

Consulting Firm Anlea USA-Redmond

Property Owner Aico

Site Address 15910 S 300th ST

City AUBURN County 17-King

**RWM**

Unique Ecology Well ID

Tag No. \_\_\_\_\_

Location 1/4 SE 1/4 SW Sec 10 Twn 12N R 4E or

**RWM**

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards.

Materials used and the information reported above are true to my best knowledge and belief.

☒ Driller ☐ Trainee Name (Print)

Driller/Trainee Signature x Lynn Goble

Driller/Trainee License No. 2982

Tax Parcel No. \_\_\_\_\_

Cased or Uncased Diameter 2' Static Level N/A

Work/Decommission Start Date 8/10/2012

If trainee, licensed driller's

Signature and License No. \_\_\_\_\_

Work/Decommission Completed Date 8-10-12

## Construction/Design

Well Data W12-489

## Formation Description



CONCRETE SURFACE SEAL

0 - 0 FT

2 FT

BACKFILL

13 FT

0 - 0 FT

BLASTOMITE  
CH.P

## REQUIRED INFORMATION

(Must get one or both if available)

DEPT OF ECOLOGY WELL TAG #: \_\_\_\_\_

CLIENT WELL ID #: AIR SARGE #1

DEPTH OF BORING 15' FT

Scale 1" = \_\_\_\_\_

Page \_\_\_\_\_ of \_\_\_\_\_

ECY 050-12 (Rev. 2 01)

# RESOURCE PROTECTION WELL REPORT

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

CURRENT

Notice of Intent No. AE18175

## Construction/Decommission

☐ Construction

☒ Decommission ORIGINAL INSTALLATION Notice  
of Intent Number \_\_\_\_\_

## Type of Well

☒ Resource Protection

☐ Geotechnical Soil Boring

Consulting Firm Antea USA-Redmond

Property Owner Arc0

Site Address 13910 S. 300TH ST.

City AUBURN County 17-King

Unique Ecology Well ID

Tag No. \_\_\_\_\_

Location 14 SE 14 SW Sec 10 Twn 12N R 4E or  
\_\_\_\_\_ WWM

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for  
construction of this well, and its compliance with all Washington well construction standards

Materials used and the information reported above are true to my best knowledge and belief

☒ Driller ☐ Trainee Name (Print)

Driller/Trainee Signature Lynn Goble

Driller/Trainee License No. 2982

Tax Parcel No. \_\_\_\_\_

Cased or Uncased Diameter 2' Static Level N/A

Work/Decommission Start Date 8/10/2012

If trainee, licensed driller's

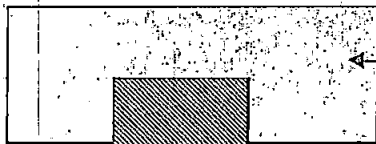
Signature and License No. \_\_\_\_\_

Work/Decommission Completed Date 8-10-12

## Construction/Design

Well Data W12: 489

## Formation Description



CONCRETE SURFACE SEAL

0 - 0 FT

2 FT

BACKFILL

13 FT

0 - 0 FT

## REQUIRED INFORMATION

(Must get one or both if available)

DEPT OF ECOLOGY WELL TAG #: \_\_\_\_\_

CLIENT WELL ID #: AIR SPARK #2

DEPTH OF BORING 15' FT

Scale 1" = \_\_\_\_\_

Page \_\_\_\_\_ of \_\_\_\_\_

ECY 050-12 (Rev v 2.01)

# RESOURCE PROTECTION WELL REPORT

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

CURRENT

Notice of Intent No. AE18-175

## Construction/Decommission

☐ Construction

☒ Decommission: ORIGINAL INSTALLATION Notice  
of Intent Number \_\_\_\_\_

## Type of Well

☒ Resource Protection

☐ Geotechnical Soil Boring

Consulting Firm Anlea USA-Redmond

Property Owner Arco

Site Address 13910 S 350TH ST.

City AUBURN County 17-King

Unique Ecology Well ID

Tag No. \_\_\_\_\_

Location 14 SE 14 SW Sec 10 Twn 12N R 4E or  
\_\_\_\_\_ WWM

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for  
construction of this well, and its compliance with all Washington well construction standards.

Materials used and the information reported above are true to my best knowledge and belief.

☒ Driller ☐ Trainee Name (Print) Lynn Goble  
Driller/Trainee Signature Lynn Goble  
Driller/Trainee License No. 2982

Tax Parcel No. \_\_\_\_\_

Cased or Uncased Diameter 2" Static Level N/A

Work/Decommission Start Date 8/10/2012

If trainee, licensed driller's

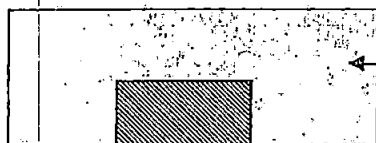
Signature and License No. \_\_\_\_\_

Work/Decommission Completed Date 8-10-12

## Construction/Design

## Well Data W12-489

## Formation Description



CONCRETE SURFACE SEAL

0 - FT

2 FT

BACKFILL

13 FT

BENTONITE  
CHIP

0 - FT

## REQUIRED INFORMATION

(Must get one or both if available)

DEPT OF ECOLOGY WELL TAG #: \_\_\_\_\_

CLIENT WELL ID #: AIR SPARGE #3

DEPTH OF BORING 15' FT

Scale 1" = \_\_\_\_\_

Page \_\_\_\_\_ of \_\_\_\_\_

ECY 050-12 (Rev-v.2.01)

# RESOURCE PROTECTION WELL REPORT

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

CURRENT

Notice of Intent No. AE18175

Construction/Decommission

☐ Construction

☒ Decommission ORIGINAL INSTALLATION Notice  
of Intent Number \_\_\_\_\_

Type of Well

☒ Resource Protection

☐ Geotechnical Soil Boring

Consulting Firm Antea USA-Redmond

Property Owner Arco

Site Address 15910 S 300TH ST.

City AUBURN County 17-King

Unique Ecology Well ID

Tag No. \_\_\_\_\_

Location 1/4 SE 1/4 SW Sec 10 Twn 12N R 4E or  
WWM

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for  
construction of this well, and its compliance with all Washington well construction standards.

Materials used and the information reported above are true to my best knowledge and belief.

☒ Driller ☐ Trainee Name (Print)

Driller/Trainee Signature x Lynn Goble

Driller/Trainee License No. 2982

Tax Parcel No. \_\_\_\_\_

Cased or Uncased Diameter 2" Static Level N/A

Work/Decommission Start Date 8/10/2012

Work/Decommission Completed Date 8-10-12

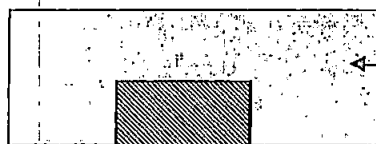
If trainee, licensed driller's

Signature and License No. \_\_\_\_\_

Construction/Design

Well Data W12-489

Formation Description



CONCRETE SURFACE SEAL

0 - FT

2 FT

BACKFILL

15 FT

0 - FT

BENTONITE  
C.H.P.

## REQUIRED INFORMATION

(Must get one or both if available)

DEPT OF ECOLOGY WELL TAG #: \_\_\_\_\_

CLIENT WELL ID #: AIR SPARE #4

DEPTH OF BORING 15' FT

Scale 1" = \_\_\_\_\_

Page \_\_\_\_\_ of \_\_\_\_\_

ECY 050-12 (Rev. v 2 01)



# RESOURCE PROTECTION WELL REPORT

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

CURRENT

Notice of Intent No. AE18115

Construction/Decommission

☐ Construction

☒ Decommission ORIGINAL INSTALLATION Notice  
of Intent Number \_\_\_\_\_

Type of Well

☒ Resource Protection

☐ Geotechnical Soil Boring

Consulting Firm Antea USA-Redmond

Property Owner Arco

Site Address 13910 S 320th St.

City AUBURN County 17-King

Unique Ecology Well ID

Tag No. \_\_\_\_\_

Location 1/4 SE 1/4 SW Sec 10 Twn 12N R 4E or  
\_\_\_\_\_ WWM

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for  
construction of this well, and its compliance with all Washington well construction standards.

Materials used and the information reported above are true to my best knowledge and belief.

☒ Driller ☐ Trainee Name (Print)

Driller/Trainee Signature x Lynn Goble

Driller/Trainee License No. 2982

Tax Parcel No. \_\_\_\_\_

Cased or Uncased Diameter 2' Static Level N/A

Work/Decommission Start Date 8/10/2012

If trainee, licensed driller's

Signature and License No. \_\_\_\_\_

Work/Decommission Completed Date 8-10-12

Construction/Design

Well Data W12-489

Formation Description

CONCRETE SURFACE SEAL

0 - FT

2 FT

BACKFILL

13 FT

0 - FT

## REQUIRED INFORMATION

(Must get one or both if available)

DEPT OF ECOLOGY WELL TAG #: \_\_\_\_\_

CLIENT WELL ID #: AIR SPARE # 5

DEPTH OF BORING 15' FT

Scale 1" = \_\_\_\_\_

Page \_\_\_\_\_ of \_\_\_\_\_

ECY 050-12 (Rev. 201)