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KOCH NITROGEN COMPANY LLC

March 15, 2012

Chief - RCRA Corrective Action & Permits Branch
Air, RCRA and Toxic Division
U.S. Environmental Protection Agency – Region VII
901 North Fifth Street
Kansas City, Kansas 66101
UPS Tracking #

1Z 693 661 03 9281 8579

Andrea R. Stone
Environmental Scientist
RCRA Corrective Action & Permits Branch
Air, RCRA and Toxics Division
U.S. Environmental Protection Agency Region VII
901 North Fifth Street
Kansas City, Kansas 66101
UPS Tracking #

1Z 693 661 03 9463 3783

Chief of the Hazardous Waste Permits Section
Bureau of Waste Management
Kansas Department of Health and Environment
1000 SW Jackson, Suite 320
Topeka, Kansas 66612-1366
UPS Tracking #

1Z 693 661 03 9448 4195

**RE Soil Analytical Data Request
Phase II RCRA Facility Investigation
Koch Nitrogen Company, LLC
Dodge City, Kansas
EPA RCRA ID No. KSD044625010**

Dear Ms. Stone:

Pursuant to our February 10, 2012 phone conversation, Koch Nitrogen Company, LLC (KNC) is pleased to provide this summary of the soil analytical data and sampling locations information. A brief summary of the requested information is provided below.

620.227.8631 Tel
620.227.6016 Fax

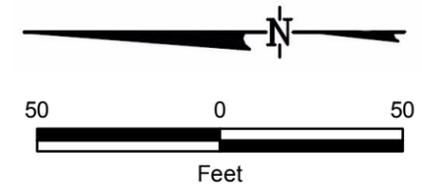
11559 U.S. Highway 50
P.O. Box 1337
Dodge City, Kansas 67801-1337





LEGEND

- AOC 1 SOIL SAMPLE LOCATION 2008-2010



**AOC 1
CHROMATE SPILL
SOIL INVESTIGATION
SAMPLE LOCATIONS**

PREPARED BY:

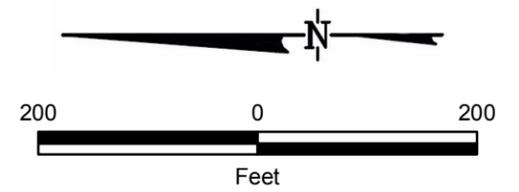


PROJECT NO.	FIGURE NO. 1
DATE. FEB 2012	FILE NO.



LEGEND

- AOC 3 SOIL SAMPLE LOCATION 2008-2010



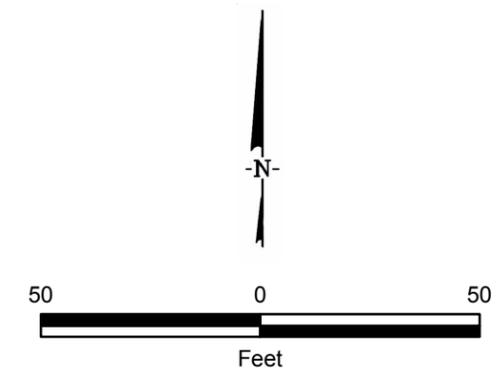
**AOC 3
SANITARY SEWAGE LAGOON
INVESTIGATION
SAMPLE LOCATIONS**

PREPARED BY:		 KOCH KOCH NITROGEN COMPANY 11559 US HIGHWAY 50 - P.O. BOX 1337 DODGE CITY, KS 67801
PROJECT NO.	FIGURE NO.	2
DATE.	FEB 2012	FILE NO.



LEGEND

- AOC 5 SOIL SAMPLE LOCATION 2008-2010



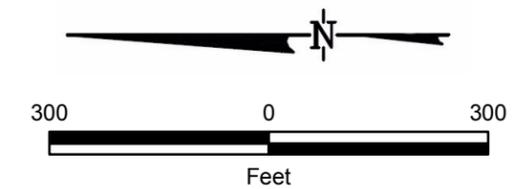
**AOC 5
UAN STORAGE TANK LEAK
AREA SOIL INVESTIGATION
SAMPLE LOCATIONS**

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PROJECT NO.	FIGURE NO.	3
DATE.	FEB 2012	FILE NO.



LEGEND

- SWMU 1 SOIL SAMPLE LOCATION 2008-2010



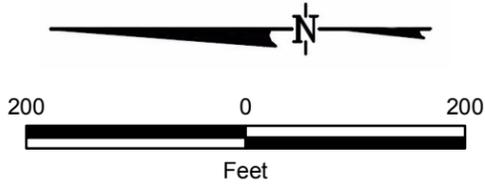
**SWMU 1
SOUTH POND SOIL
INVESTIGATION
SAMPLE LOCATIONS**

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PROJECT NO.	FIGURE NO.	4
DATE.	FEB 2012	FILE NO.



LEGEND

- SWMU 2 SOIL SAMPLE LOCATION 2008-2010



**SWMU 2
NORTH POND SOIL
INVESTIGATION
SAMPLE LOCATIONS**

PREPARED BY:

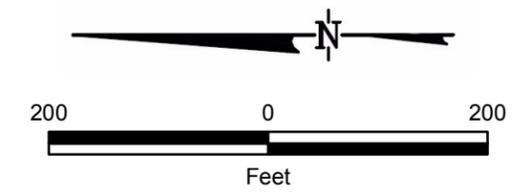
KOCH
 KOCH NITROGEN COMPANY
 11559 US HIGHWAY 50 - P.O. BOX 1337
 DODGE CITY, KS 67801

PROJECT NO.	FIGURE NO. 5
DATE. FEB 2012	FILE NO.



LEGEND

- SWMU 3 SOIL SAMPLE LOCATION 2008-2010



**SWMU 3
EAST POND SOIL
INVESTIGATION
SAMPLE LOCATIONS**

PREPARED BY:

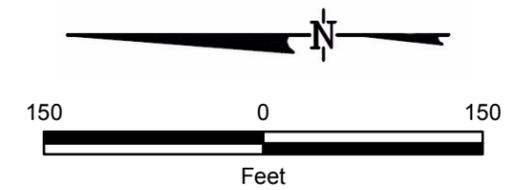


PROJECT NO.	FIGURE NO. 6
DATE. FEB 2012	FILE NO.



LEGEND

- SWMU 5 OR 6 SOIL SAMPLE LOCATION 2008-2010



**SWMU 5 & 6
LAND FARM AND FORMER
WASHOUT AREA
SOIL INVESTIGATION
SAMPLE LOCATIONS**

PREPARED BY:

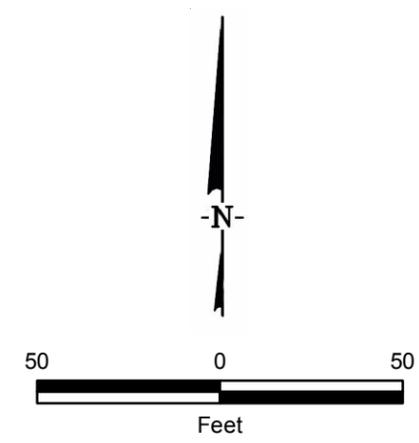


PROJECT NO.	FIGURE NO. 7
DATE. FEB 2012	FILE NO.



LEGEND

- SWMU 7 SOIL SAMPLE LOCATION 2008-2010



SWMU 7
LANDFILL FOR
GENERAL PLANT TRASH

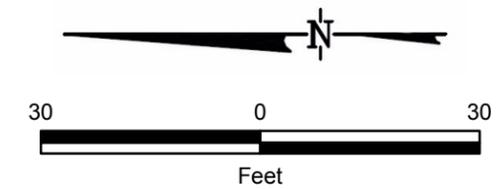
SWMU 7
LANDFILL FOR GENERAL PLANT
TRASH SOIL INVESTIGATION
SAMPLE LOCATIONS

PREPARED BY:		 KOCH KOCH NITROGEN COMPANY <small>11559 US HIGHWAY 50 - P.O. BOX 1337 DODGE CITY, KS 67801</small>	
PROJECT NO.		FIGURE NO.	8
DATE.	FEB 2012	FILE NO.	



LEGEND

- SWMU 8 SOIL SAMPLE LOCATION 2008-1010



**SWMU 8
FORMER CHROME DESTRUCT UNIT
SOIL INVESTIGATION
SAMPLE LOCATIONS**

PREPARED BY:

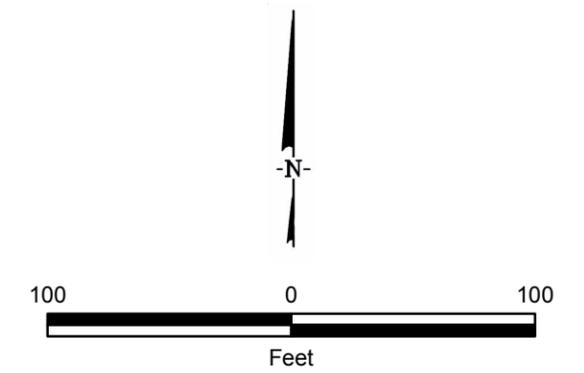


PROJECT NO.	FIGURE NO. 9
DATE. FEB 2012	FILE NO.



LEGEND

- SWMU 10 OR 11 SOIL SAMPLE LOCATION 2008-2010

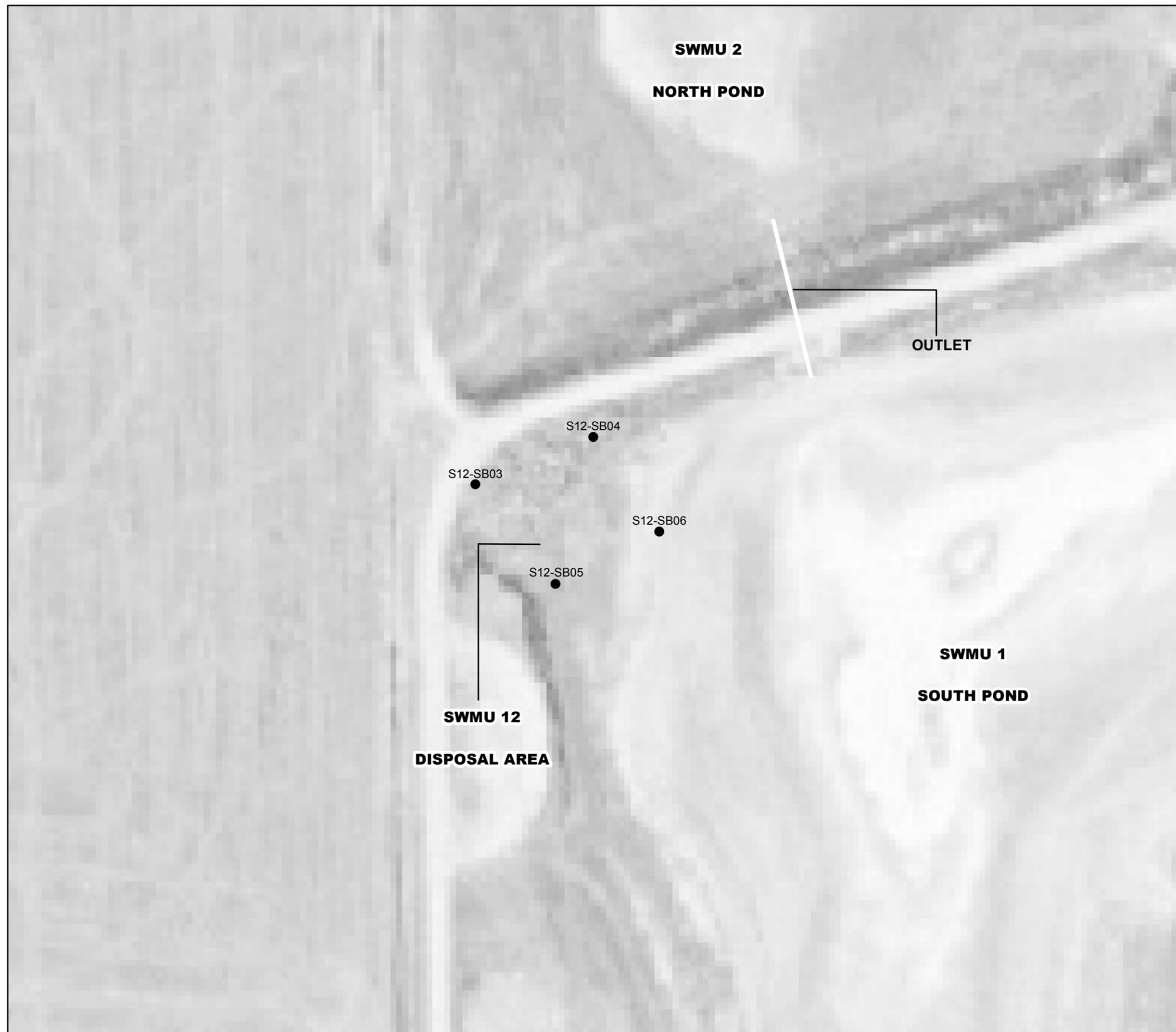


**SWMU 10 & 11
LIME SLUDGE POND SOIL
INVESTIGATION
SAMPLE LOCATIONS**

PREPARED BY:

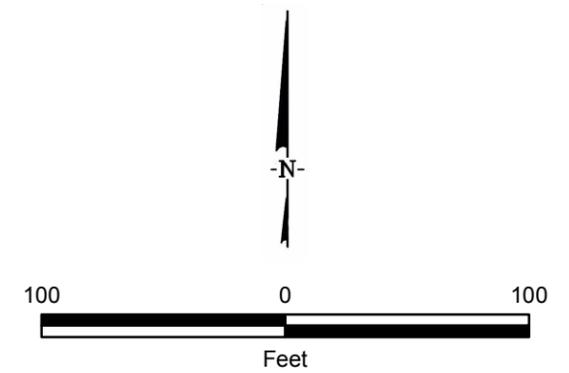


PROJECT NO.	FIGURE NO. 10
DATE. FEB 2012	FILE NO.



LEGEND

- SWMU 12 SOIL SAMPLE LOCATION 2008-2010

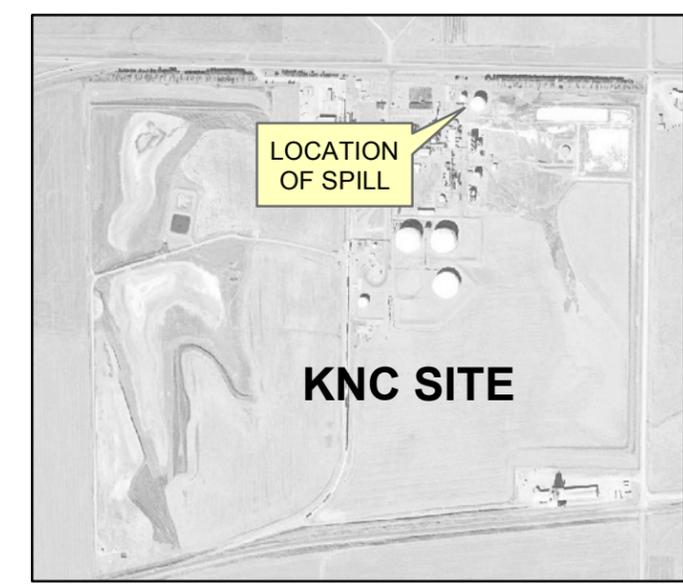
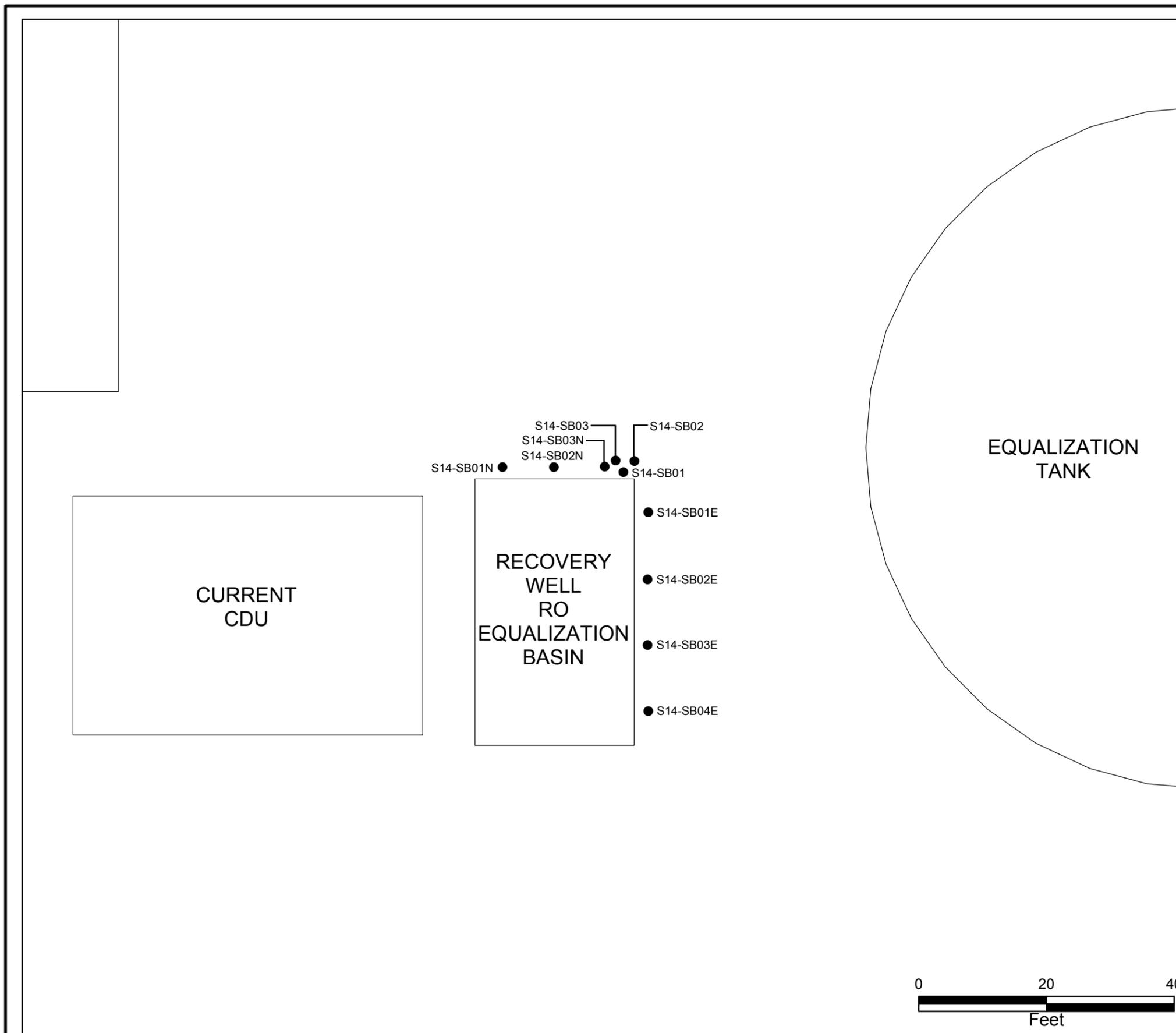


**SWMU 12
DISPOSAL AREA
(NORTH OF SOUTH POND)
SOIL INVESTIGATION
SAMPLE LOCATIONS**

PREPARED BY:



PROJECT NO.	FIGURE NO. 11
DATE. FEB 2012	FILE NO.

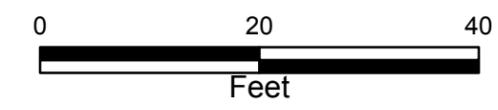


LEGEND

- SWMU 14 SOIL SAMPLE LOCATION 2008-2010



**SWMU 14
RECOVERY WELL RO
EQUALIZATION BASIN
SOIL INVESTIGATION
SAMPLE LOCATIONS**

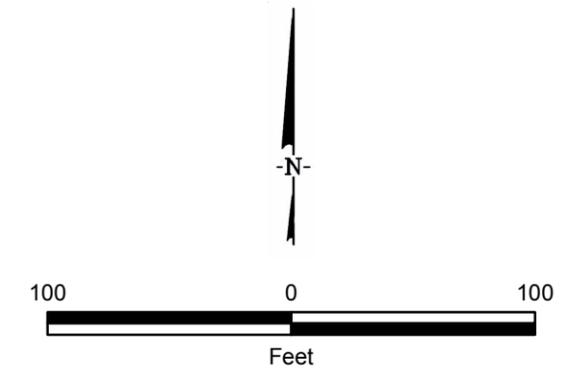


PREPARED BY:		 KOCH KOCH NITROGEN COMPANY 11559 US HIGHWAY 50 - P.O. BOX 1337 DODGE CITY, KS 67801	
PROJECT NO.	FIGURE NO.		
DATE.	FEB 2012	FILE NO.	



LEGEND

- SWMU 17 SOIL SAMPLE LOCATION 2008-2010

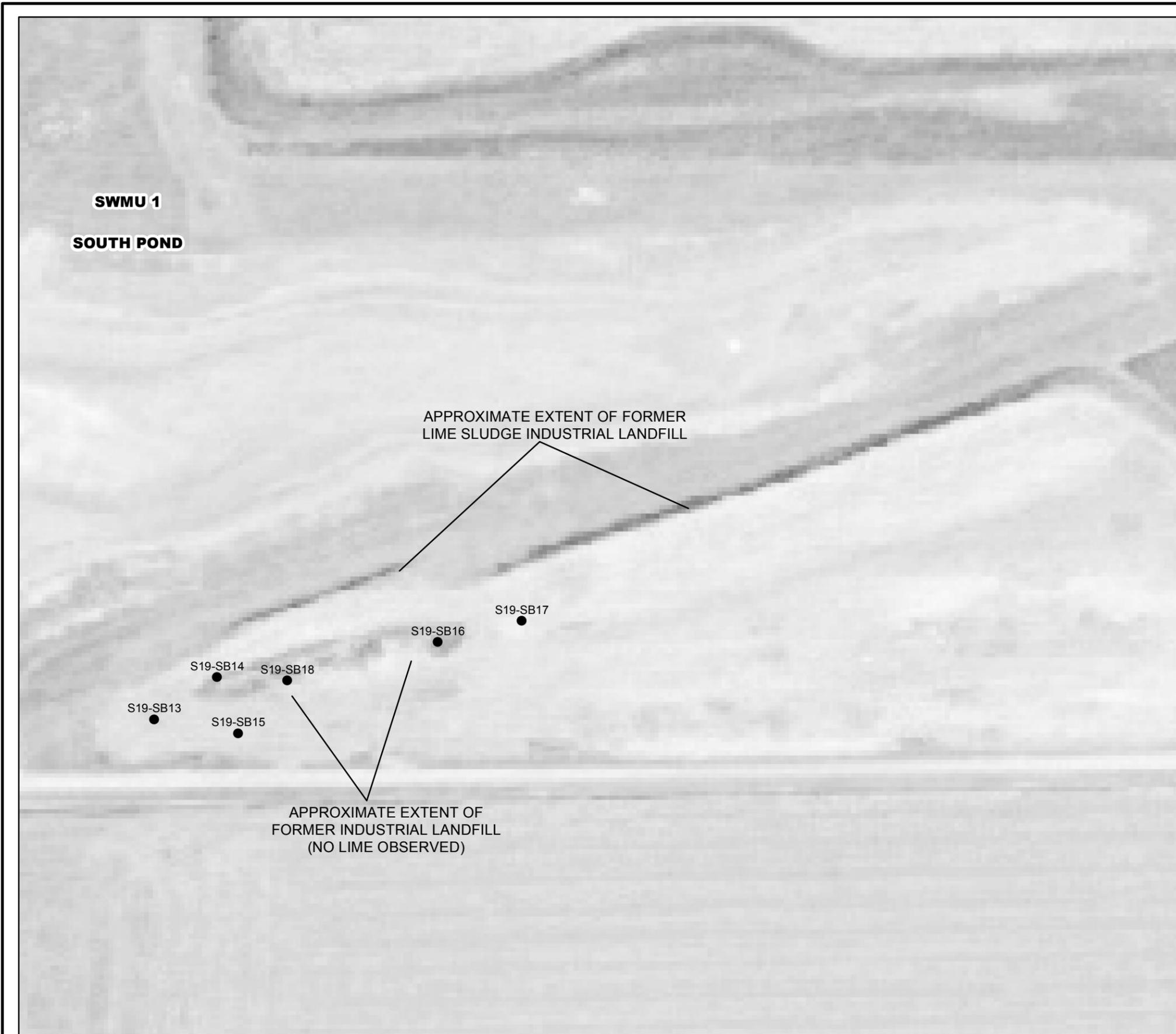


**SWMU 17
EAST LIME SLUDGE LANDFILL
SOIL INVESTIGATION
SAMPLE LOCATIONS**

PREPARED BY:

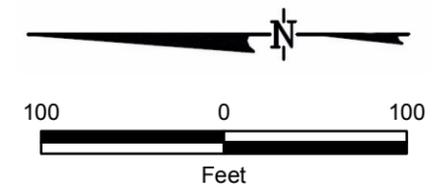


PROJECT NO.	FIGURE NO. 13
DATE. FEB 2012	FILE NO.



LEGEND

- SWMU 19 SOIL SAMPLE LOCATION 2008-2010

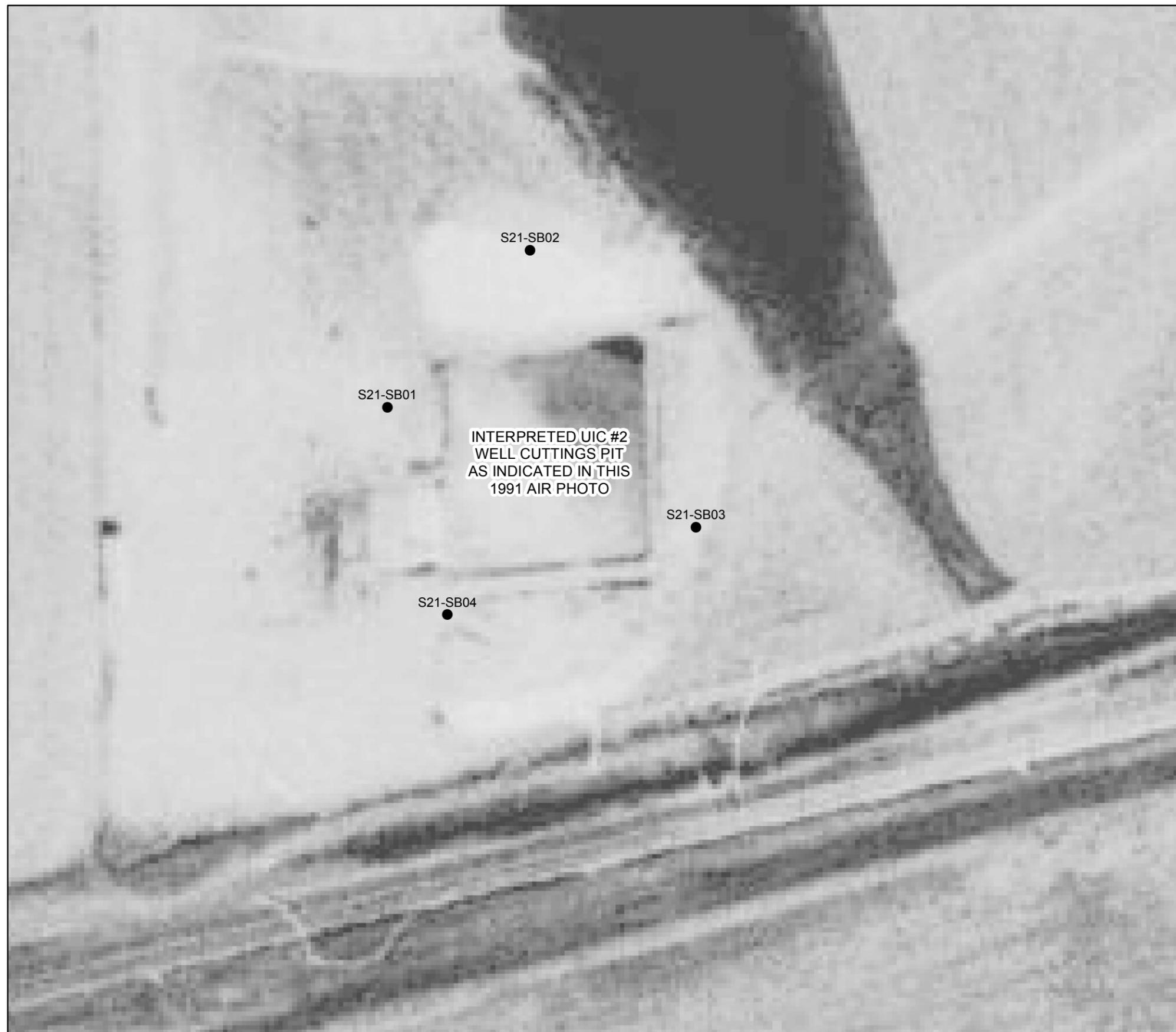


SWMU 19
WEST LIME SLUDGE
INDUSTRIAL LANDFILL
SOIL INVESTIGATION
SAMPLE LOCATIONS

PREPARED BY:

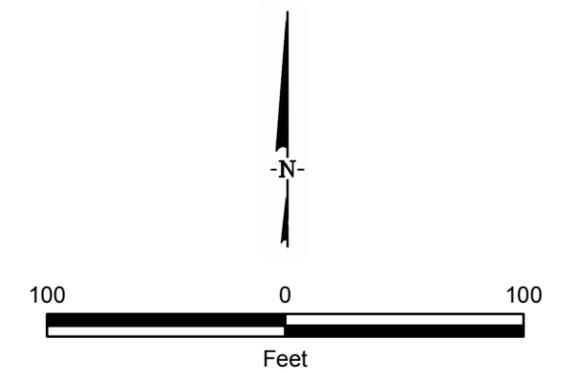


PROJECT NO.	FIGURE NO. 14
DATE. FEB 2012	FILE NO.



LEGEND

- SWMU 21 SOIL SAMPLE LOCATION 2008-2010

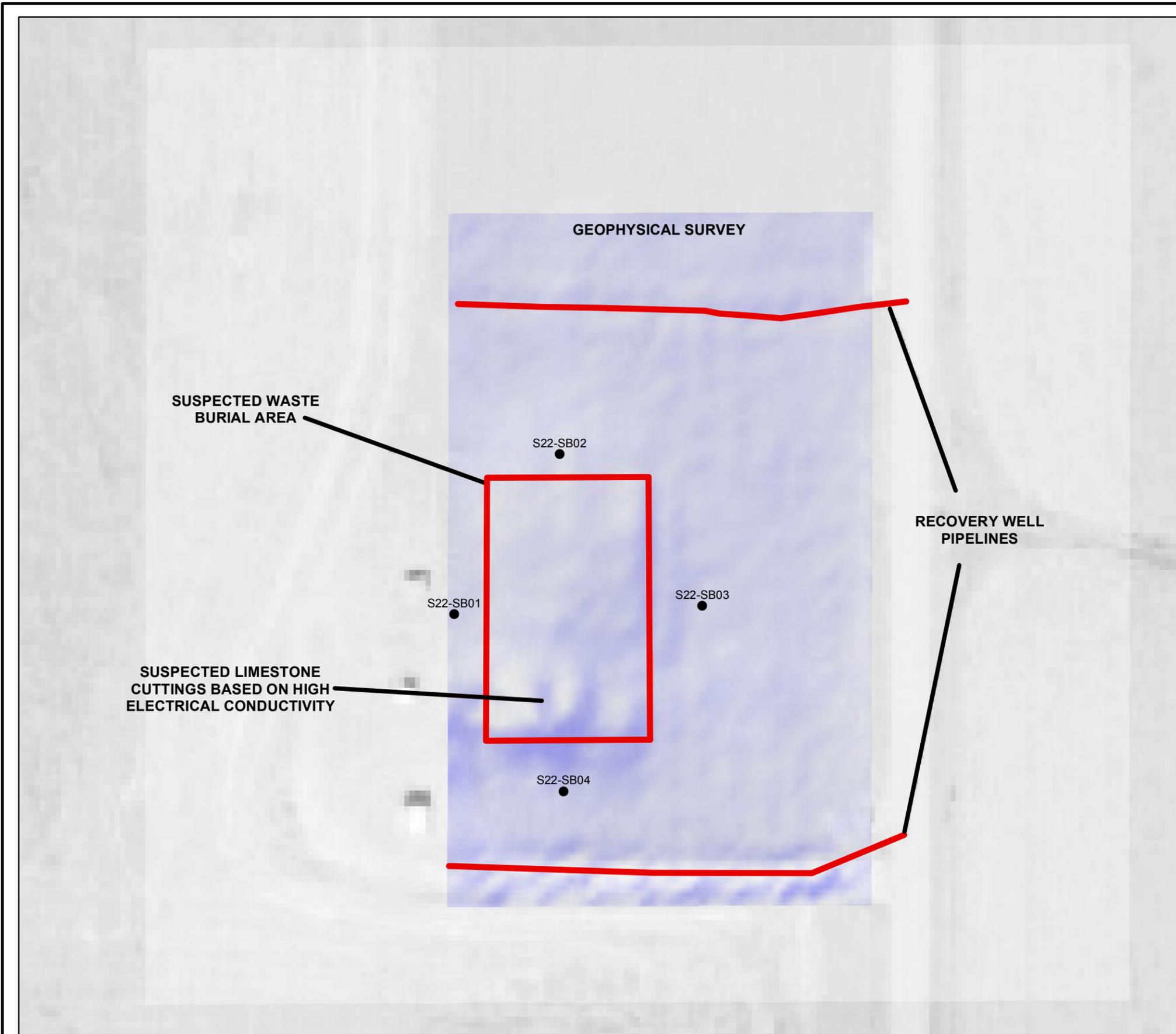


**SWMU 21
UIC WELL #2 CUTTINGS
SOIL INVESTIGATION
SAMPLE LOCATIONS**

PREPARED BY:

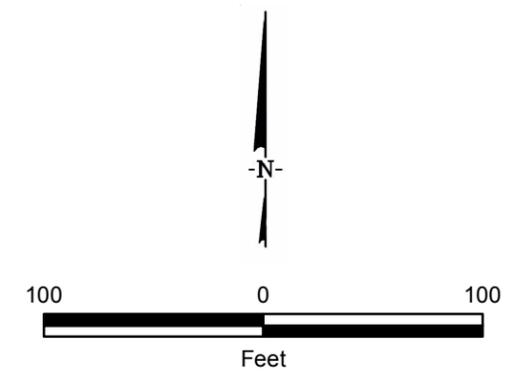


PROJECT NO.	FIGURE NO. 15
DATE. FEB 2012	FILE NO.



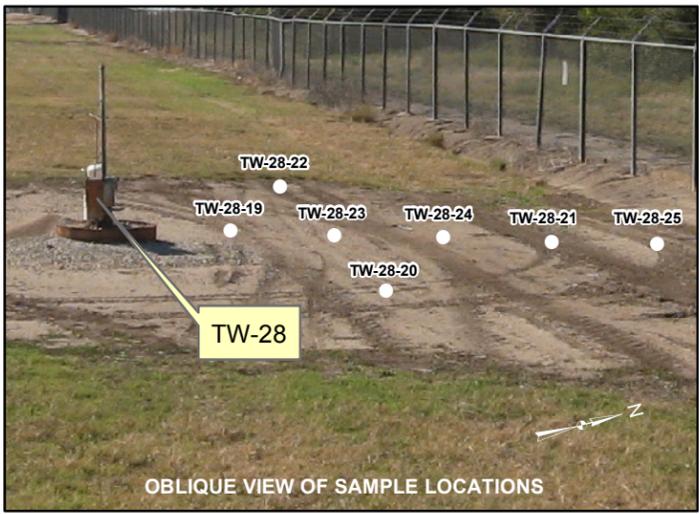
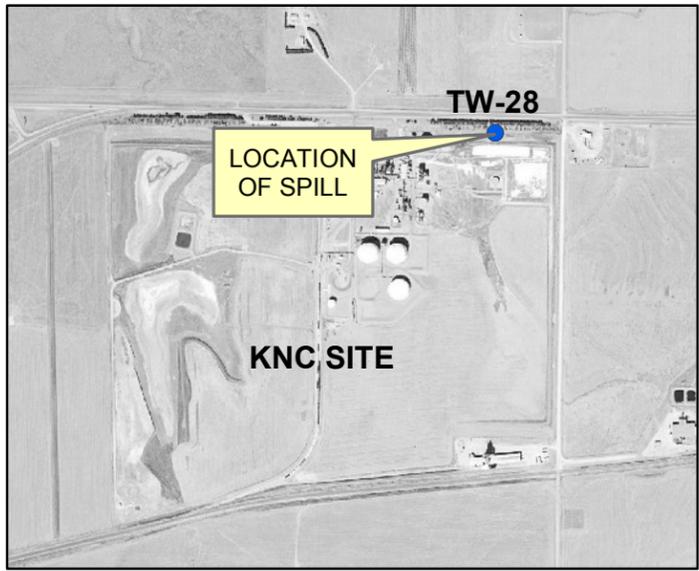
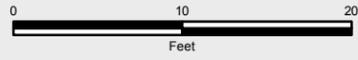
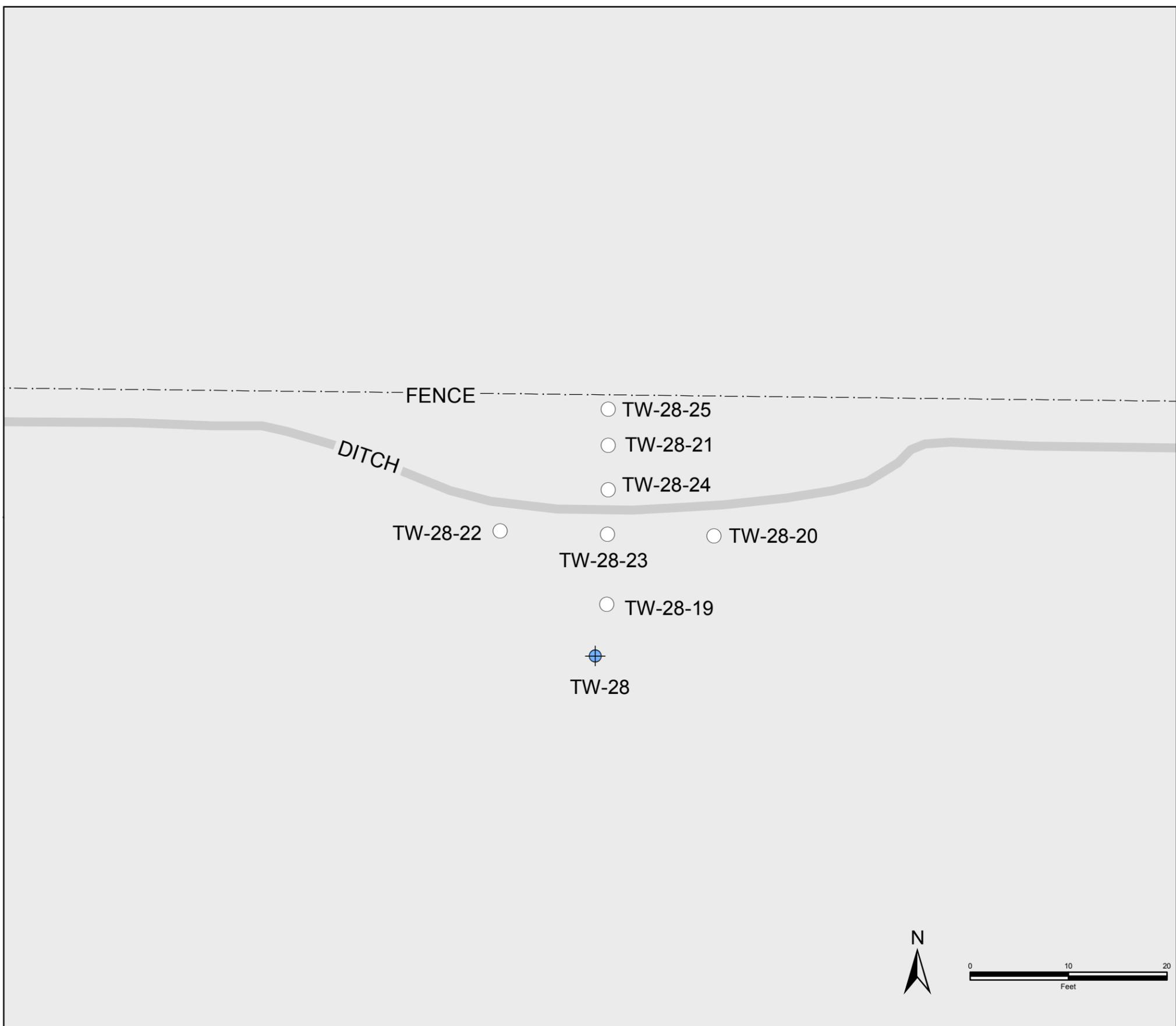
LEGEND

- SWMU 22 SOIL SAMPLE LOCATION 2008-2010



**SWMU 22
UIC WELL #3 CUTTINGS
SOIL INVESTIGATION
SAMPLE LOCATIONS**

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 KOCH KOCH NITROGEN COMPANY 11559 US HIGHWAY 50 - P.O. BOX 1337 DODGE CITY, KS 67801	
PROJECT NO.	FIGURE NO. 16
DATE. FEB 2012	FILE NO.



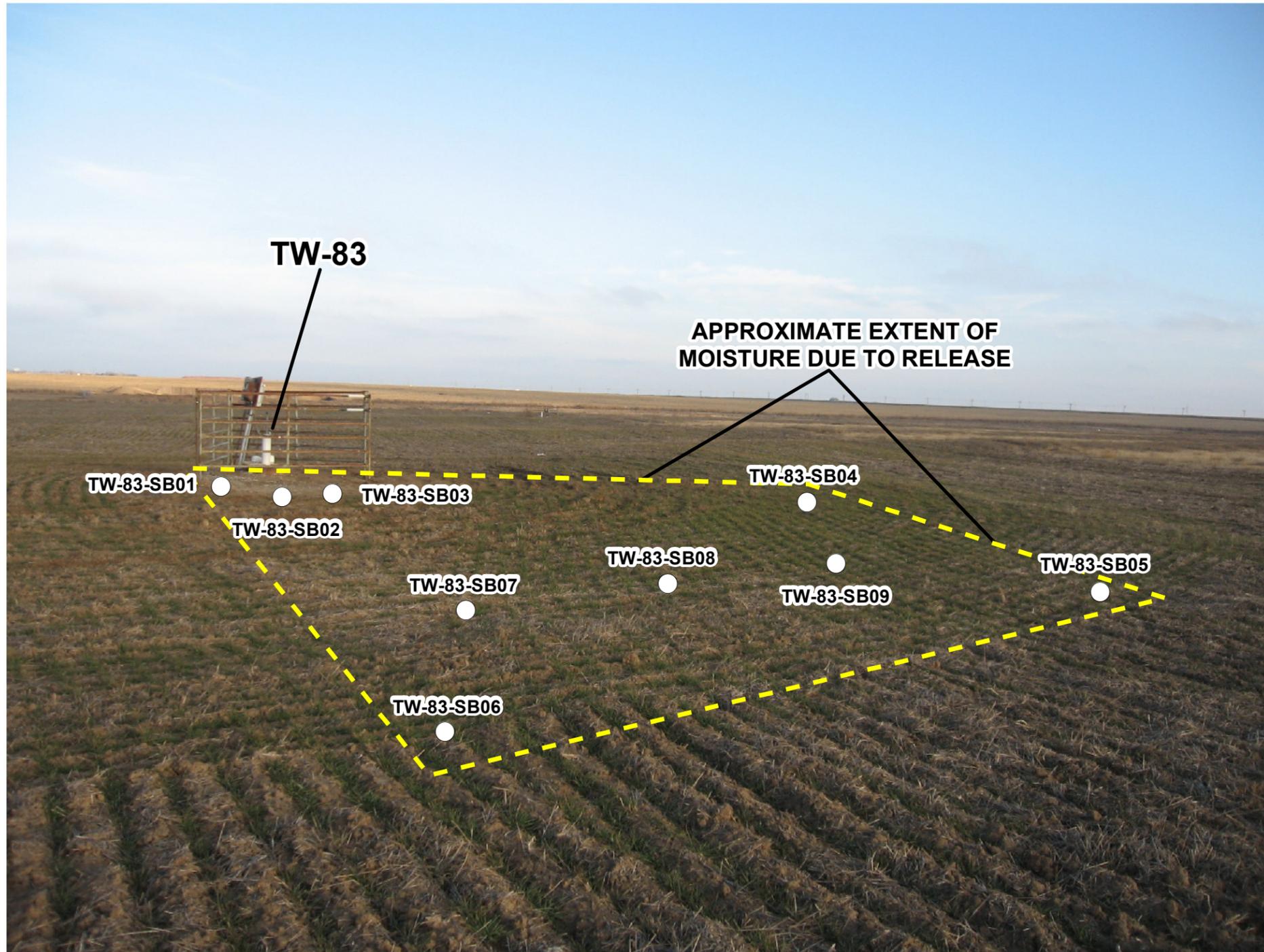
LEGEND

- SOIL SAMPLE LOCATION FROM 2008-2010
- ⊕ GROUNDWATER MONITORING WELL

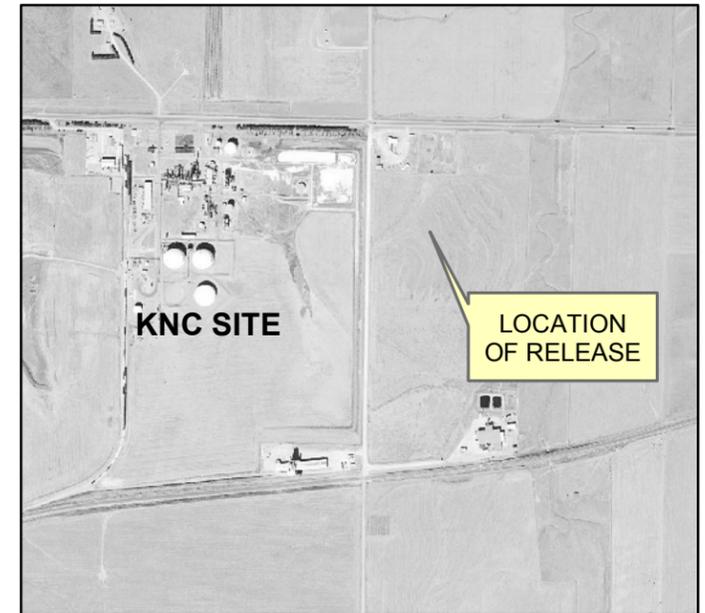
**SOIL SAMPLE LOCATION MAP
TW-28 WATER LEAK AREA**

PREPARED BY: **KOCH**
KOCH NITROGEN COMPANY
 11559 US HIGHWAY 50 - P.O. BOX 1337
 DODGE CITY, KS 67801

PROJECT.	FIGURE NO. 17
DATE. FEB 2012	FILE NO.



LOCATION OF LEAK AREA - LOOKING EAST

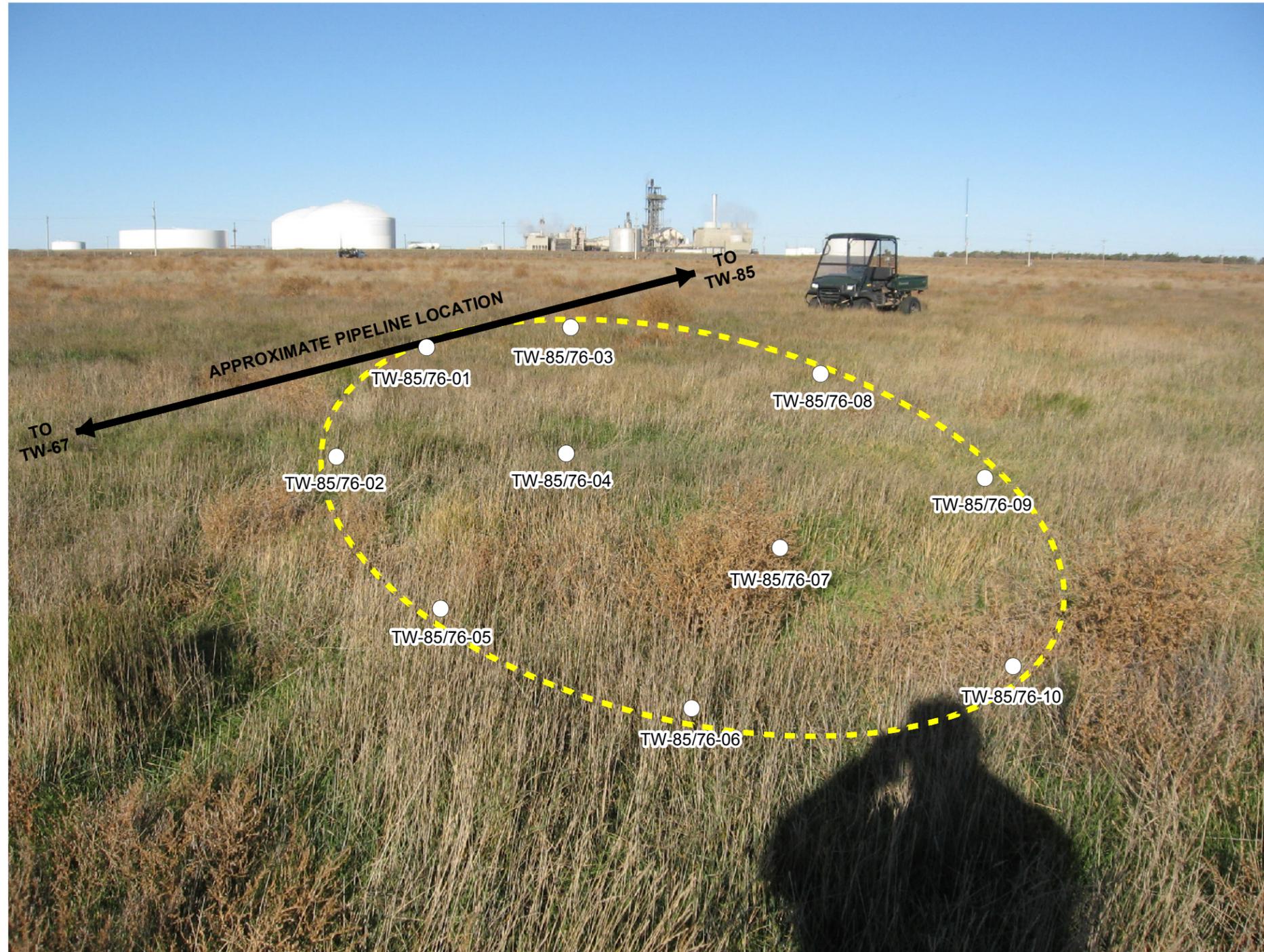


LEGEND

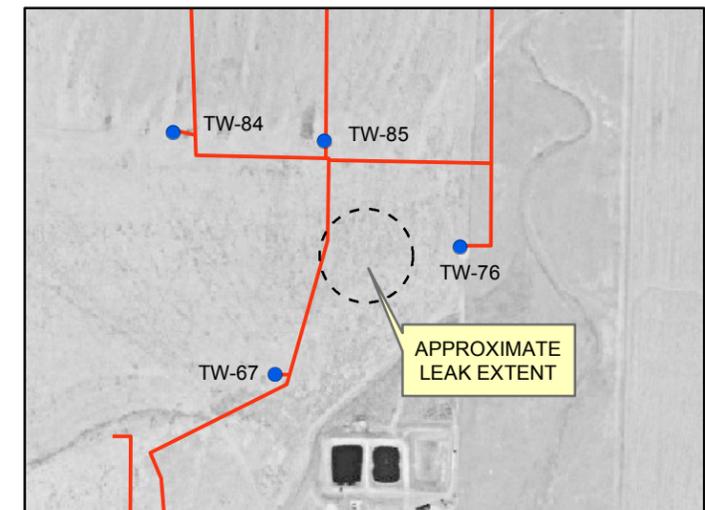
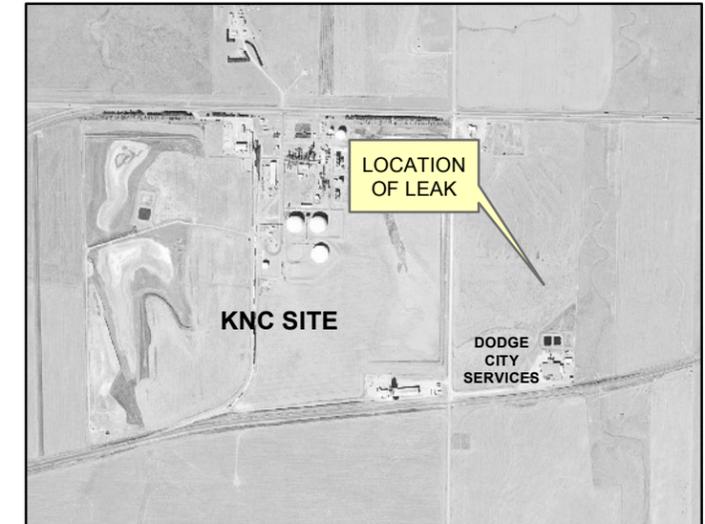
○ SOIL SAMPLE LOCATION FROM 2008-2010

**SOIL SAMPLE LOCATION MAP
TW-83 LEAK AREA**

PREPARED BY:		 KOCH KOCH NITROGEN COMPANY 11559 US HIGHWAY 50 - P.O. BOX 1337 DODGE CITY, KS 67801	
PROJECT.		FIGURE NO.	18
DATE.	FEB 2012	FILE NO.	



**TW-85/76 GROUNDWATER PIPELINE
LEAK AREA - LOOKING NORTHWEST**



LEGEND

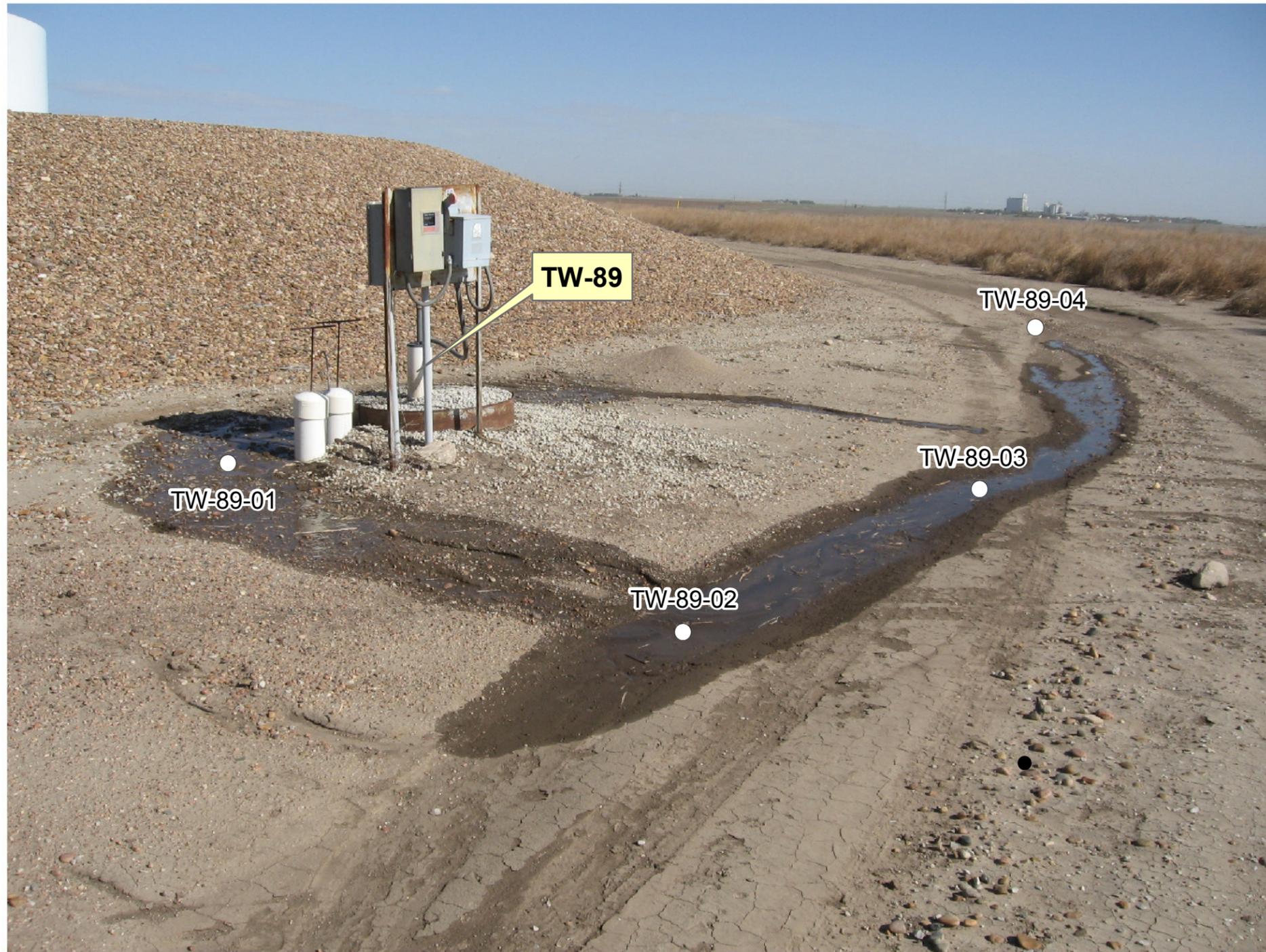
- SOIL SAMPLE LOCATION FROM 2008-2010

**SOIL SAMPLE LOCATION MAP
TW-85/76 LEAK AREA**

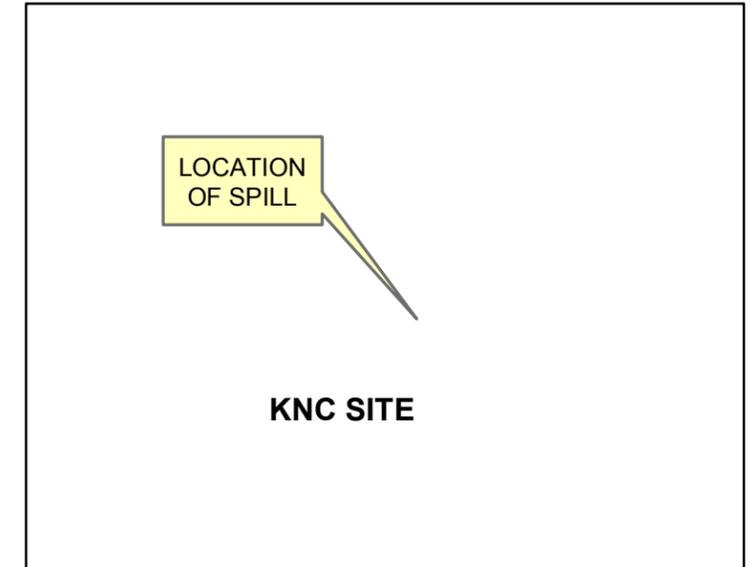
PREPARED BY:



PROJECT.	FIGURE NO.	19
DATE.	FEB 2012	FILE NO.



**TW-89 GROUNDWATER LEAK AREA
LOOKING EAST**



LEGEND

○ SOIL SAMPLE LOCATION FROM 2008-2010

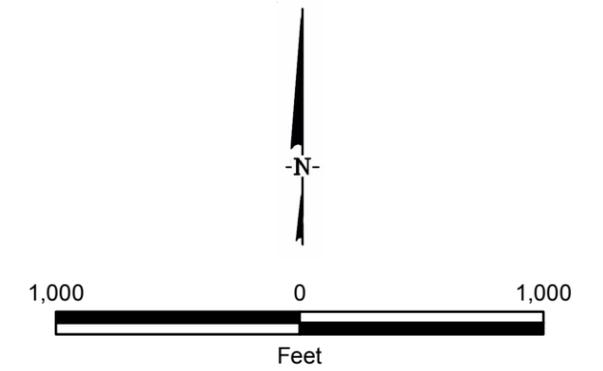
**SOIL SAMPLE LOCATION MAP
TW-89 LEAK AREA**

PREPARED BY:		 KOCH KOCH NITROGEN COMPANY 11559 US HIGHWAY 50 - P.O. BOX 1337 DODGE CITY, KS 67801
PROJECT.	FIGURE NO. 20	
DATE. FEB 2012	FILE NO.	



LEGEND

- BACKGROUND SOIL SAMPLE LOCATION 2008-2010



**BACKGROUND
SOIL INVESTIGATION
SAMPLE LOCATIONS**

PREPARED BY:



PROJECT NO.	FIGURE NO. 21
DATE. FEB 2012	FILE NO.

An electronic summary of the soil analytical data collected during the Phase II RFI is provided in the *Phase II Soils Data Feb 2012.xls* file on the compact disc provided in Attachment A. The entire Phase II RFI soil database is provided in the first worksheet in this file labeled 'Koch'. To aid in review of the data, additional worksheets were created for each AOC/SWMU. For example, worksheet 'AOC 1' contains all of the soil data collected from AOC 1, and worksheet 'AOC 1 HEX' contains only the hexavalent chromium data for AOC 1. Additional information on the data summaries is provided below:

- Column C in each worksheet provides the soil sample IDs. The sample nomenclature consisted of the AOC/SWMU ID, followed by the soil boring number and depth (i.e., AO3-SB01-0.5 is soil boring one from AOC-3 at a depth of ground surface to 0.5 feet);
- Column I in each worksheet provides the laboratory Practical Quantitation Limit (PQL). The PQL is the lowest concentration of the analytical standard that was used for calibrating the instrument. PQL is synonymous with Limit of Quantitation (LOQ);
- Column Q in each worksheet indicates the detection status of a constituent. Cells in this column are populated with 'FALSE' for non-detected constituents, and 'TRUE' is used to indicate a detected constituent.

Figures depicting the soil sampling locations are provided in Attachment B.

We trust that the information provided herein will aid in your review of the Phase II RFI Workplan: Tier II Soil Locations. If you have any questions or require additional information, feel free to call Elise Stucky-Gregg (620) 371-7910 to discuss.

Very Truly Yours,



Michael J. Sherbak II
Plant Manager
KOCH NITROGEN COMPANY, LLC

Enclosure: CD with Laboratory Data and Site Maps

ATTACHMENT A

ATTACHMENT B