Exhibit U Agricultural Field Drainage Inventory





EDF; Fox Squirrel Site

Agricultural Field Drainage Inventory

Project Description:

The intent of this document is to describe the methodology used to prepare an inventory of the existing agricultural field drainage network at the EDF Fox Squirrel project. The project is located in Madison County, Ohio, approximately 8.5 miles southeast of London, Ohio and approximately 23 miles southwest of Columbus, Ohio. The total project site includes 15 parcels, totaling 1,488 acres.

The following sections will describe the methodology use in preparing the inventory, with details regarding our outreach efforts, compiling of gathered data, data analysis, and how the data is presented.

Outreach:

We began our efforts by investigating and identifying possible sources that could provide information regarding the extent and approximate location of the existing drainage network.

Possible sources identified include landowners within the project limits, local public agencies, state agencies, and available commercial operators specializing in aerial imagery. The following groupings describe the contacts that were made.

Landowners within the project limits:

EDF sent questionnaires to all landowners within the proposed project limits. Questionnaires were sent to:

Filo Farms LLC Ben-Elen Farms Mr. Robert M. Higgins Ms. Lynn A. Snyder Messenger

The responses to those questionnaires are attached herein and identified as "Exhibit A".

Local public agencies:

Correspondence was established with both Madison County Soil and Water Conservation and Madison County Engineer's Office. Requests were made to both offices to research available records and provide any available information.

State agencies:

Correspondence was established with both The Ohio State University Agricultural Extension Office and the Ohio Department of Transportation. Requests were made to both offices to research available records and provide any available information. Additionally, the Ohio Statewide Imagery Program was utilized due to availability of current, high resolution imagery.

Available commercial operators specializing in aerial imagery:

Correspondence was established with MAN Mapping, a well-established aerial mapping firm, with 35 years of experience in the central Ohio region. Additionally, a well-recognized source of aerial imagery, Google Earth, was utilized due to the availably of data and historical data sets. Aerial imagery was also available through the Madison County Auditor's Office Geographic Information System (GIS).

Compile Data:

Landowners within the project limits:

Questionnaires were completed and returned by all of the landowners previously listed. The amount of information returned by the owners varied greatly in quantity and owner's knowledge of the existing drainage networks on their property.

Local public agencies:

Several phone and email correspondences were held with representatives of Madison County Soil and Water Conservation and Madison County Engineer's Office. Both offices only had limited data available for the project site. The collected information is attached herein and identified as "Exhibit B".

State agencies:

Several phone and email correspondences were held with representatives of The Ohio State University Agricultural Extension Office and The Ohio Department of Transportation, with the goal of collecting any available historical imagery. Neither office had any available information for the project site.

Available commercial operators specializing in aerial imagery:

Several phone and email correspondences were held with aerial imagery professionals at MAN Mapping. Consideration was given to available historical data sets, including both black and white imagery, high contrast color amplification, and infrared imagery.

After MAN Mapping collected historical imagery sets from available State of Ohio sources, the conclusion was reached that no imagery was available that provided improved imagery

beyond that available through Google Earth, Madison County GIS, the and Ohio Statewide Imagery Program.

Analyze Data:

The approach to analyzing the collected data began by reviewing the various written descriptions provided by the landowners and the hand drawn sketches provided by the landowners and public agencies. This information was compared against the historical aerial imagery gathered from Google Earth, Madison County GIS, the and Ohio Statewide Imagery Program. In most instances, the location of the drainage lines reported by the landowners and public agencies were visually apparent in the aerial imagery. When a match between reported locations and aerial imagery was confirmed, digital overlay line work was created for these field drainage locations.

Additionally, digital linework was created by digitizing drainage lines visually apparent in the historical data sets but lacking supporting documentation from landowners or other sources. Historical imagery data sets from Google Earth from years 2020, 2018, 2016, 2015, 2014, 2011, 2010, 2009, 2007, 2006, 2005, 2004, and 1994 were utilized with varying results. Google Earth utilizes aerial imagery data sets from sources that include the United States Geological Survey, USDA Farm Service Agency, State of Ohio and Landsat/Copernicus. Data Sets from the Ohio Statewide Imagery Program from the years 2019, 2011, and 2006 were also used.

The success of visually identifying existing agricultural drainage lines in aerial imagery varied based on the time of year imagery was exposed, the ground cover at time of image exposure, and ground moisture at time of exposure. Generally, imagery from multiple years was utilized to ensure consistency and to provide confirmation that drainage lines are present.

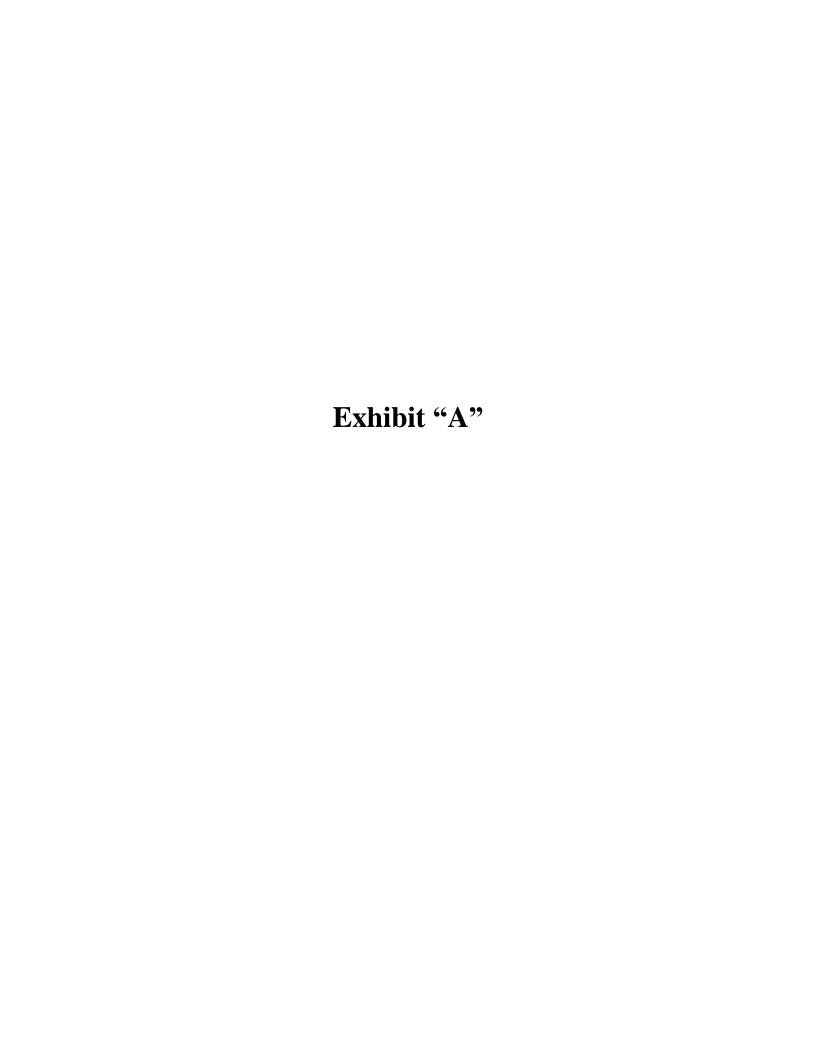
Present Data:

After analysis and preparation of digital line work, the comprehensive information is presented herein and identified as "Exhibit C". The inventory is a combination of many sources of data, together with experience in analyzing aerial imagery.

Glaus, Pyle, Schomer, Burns, & DeHaven, Inc. dba GPD Group

Steven L. Mullaney, P.S.

Ohio Professional Surveyor No. 7900



Fox SAMINAS SOLAY

9657 Yorkeetown · Chenoweth Rd. Mount Sterling Oh. 4/3/43

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DRAINAGE QUESTIONNAIRE

 Are you aware of any drainage systems (circle Yes or No) 	located on your property such as drain tile?
Yes	No

2. If you answered Yes above, please describe the drainage systems to the best of your ability (type, size, condition, installer, date installed, how maintained, etc.):

I om aware of tile in all the fields,
However, I do not kow of the Installer. I

Con find no mops. I do know it would have
been somewhere in the 2005 to 2013 rosse

I om sorry, but I only sow the dist

mounds after it was installed.

3. If you answered Yes above, please describe and provide any relevant records such receipts or maps provided by installers:

see above

(See attached map)

If you have any questions, please call EDF Renewables' Landowner Helpline at 844.943.0723



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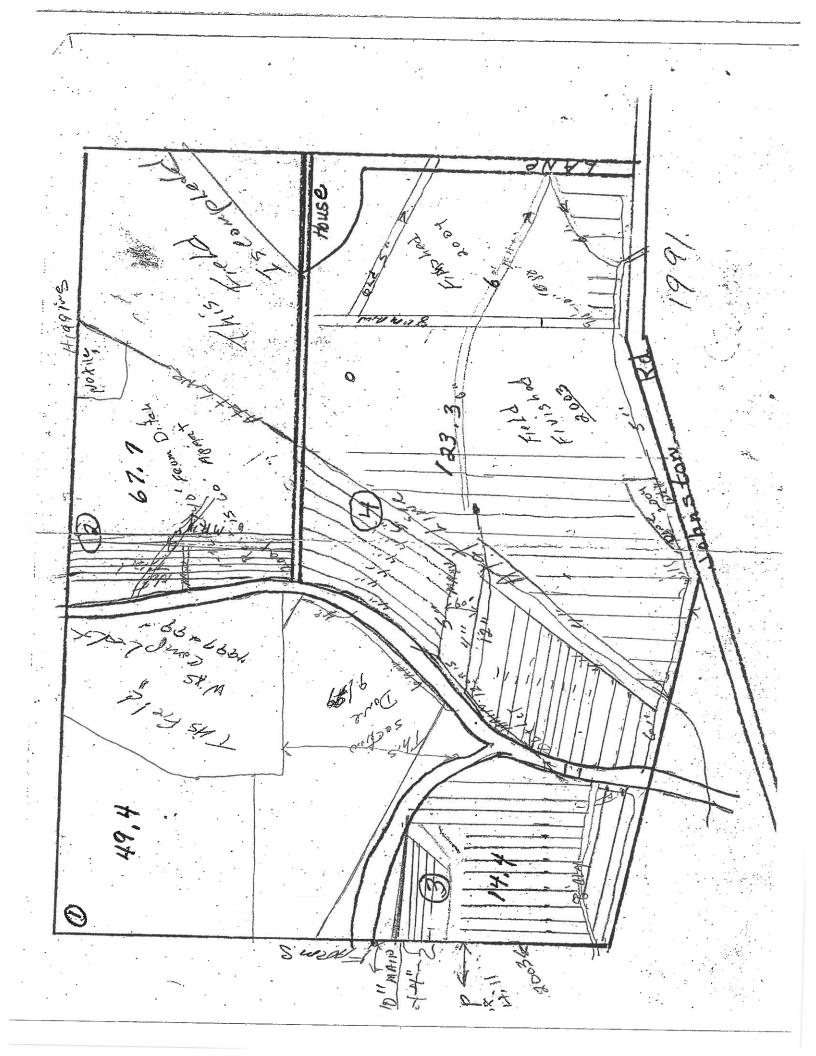
(See attached map)

If you have any questions, please call EDF Renewables' Landowner Helpline at 844.943.0723



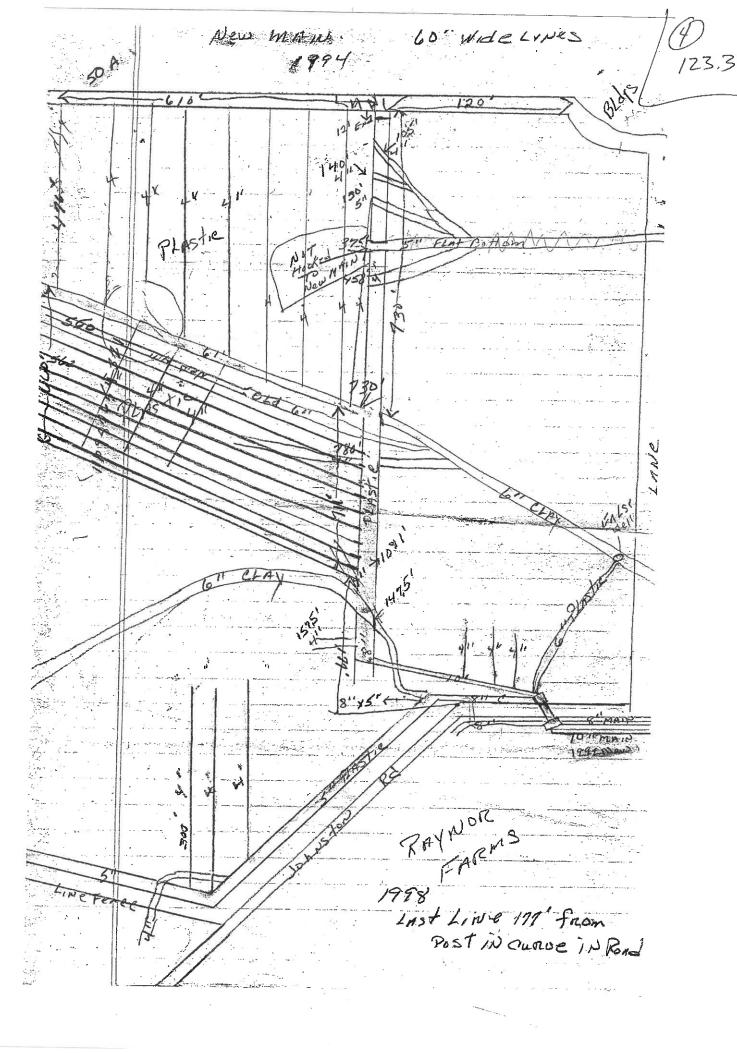


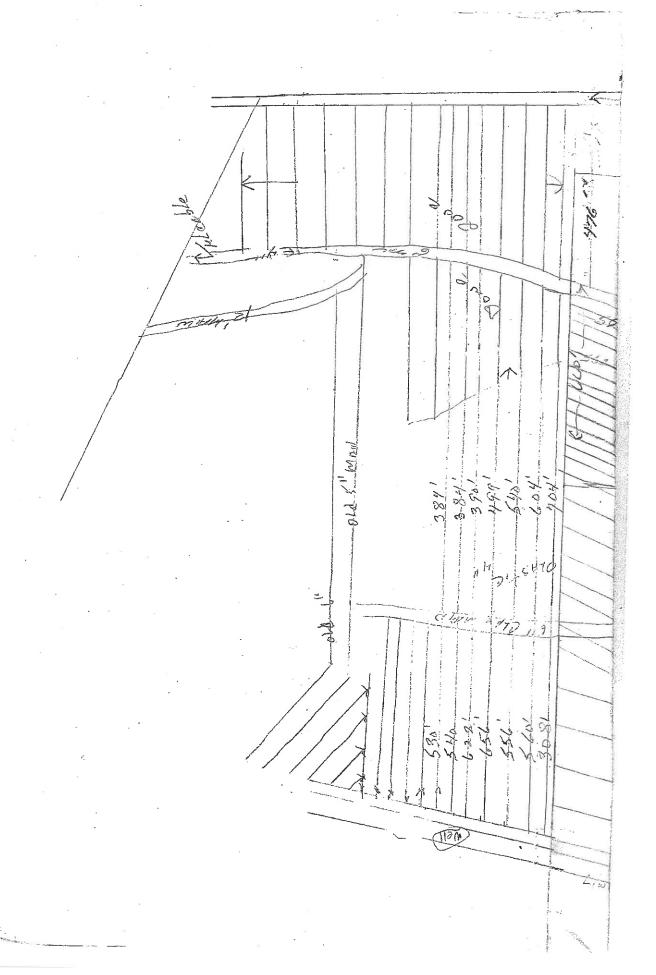
<u>DRAINAGE QUESTIONNAIRE</u>			
 Are you aware of any drainage systems loc (circle Yes or No) 	ated on your property such as drain tile?		
Yes	No		
 If you answered Yes above, please describe ability (type, size, condition, installer, date 	the drainage systems to the best of your installed, how maintained, etc.):		
The Farm had clay file in late 1950.	stalled in the total 5		
the Farm had plastic to	Te installed systematically		
but over several years. Thave enclosed the maps that were given to me when I purcha			
maps that were given	to me when & purcha		
the farm,			
3. If you answered Yes above, please describe a	and provide any relevant records such		
receipts or maps provided by installers:			



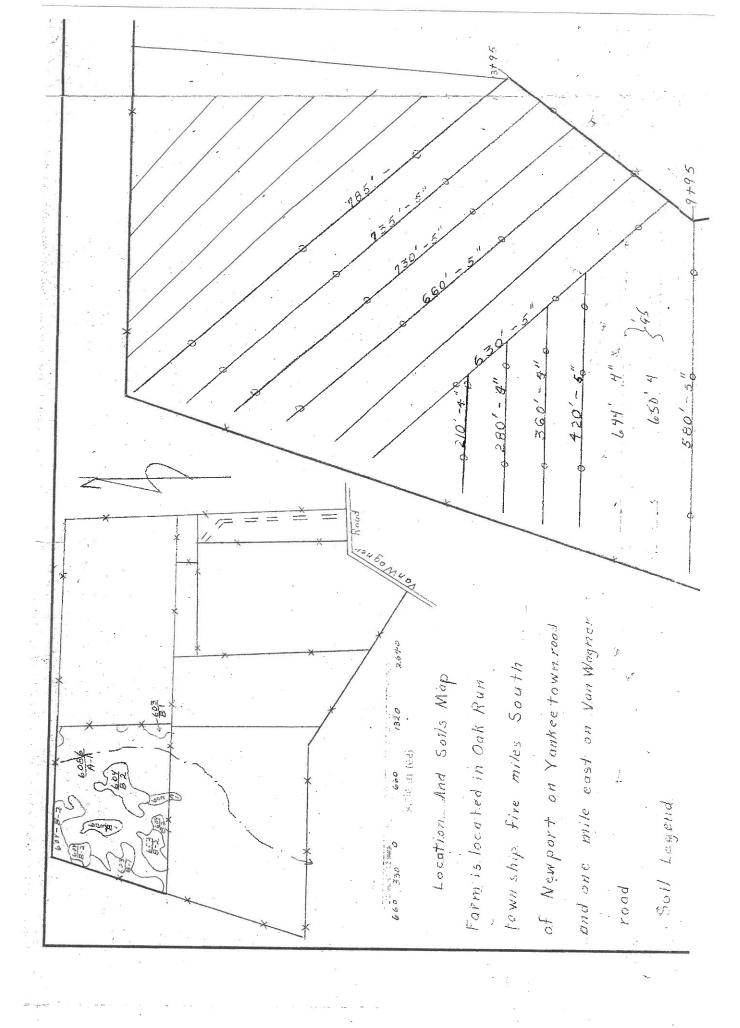
East edge 0/123.3

NEW MAN. 50 % Exist Line 191' from Post in .

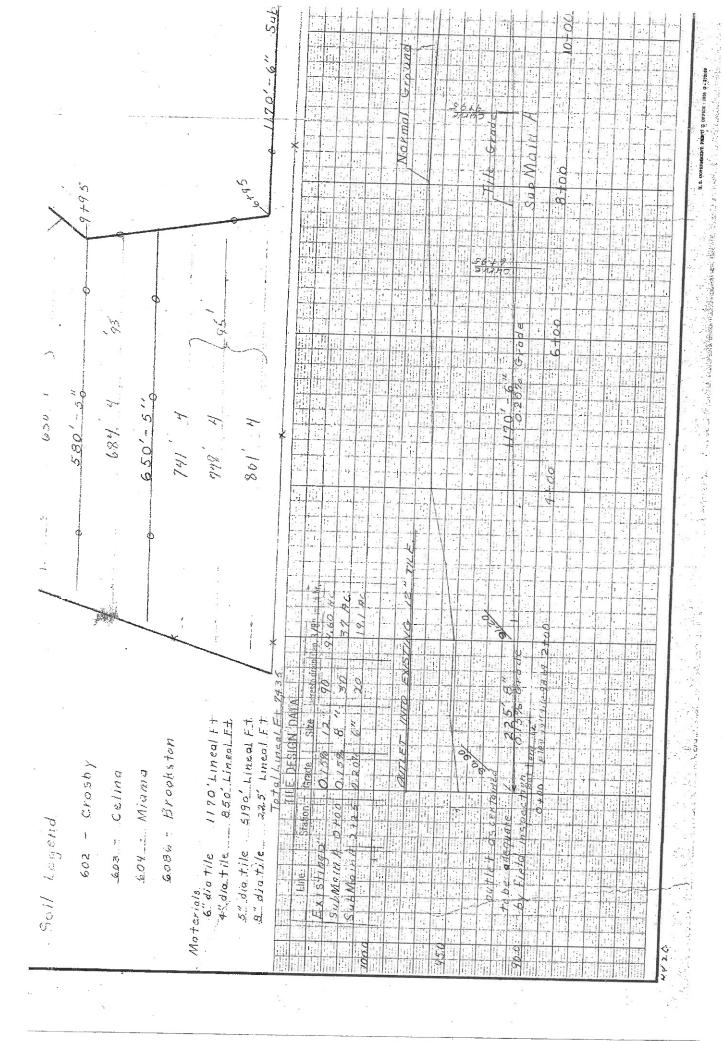




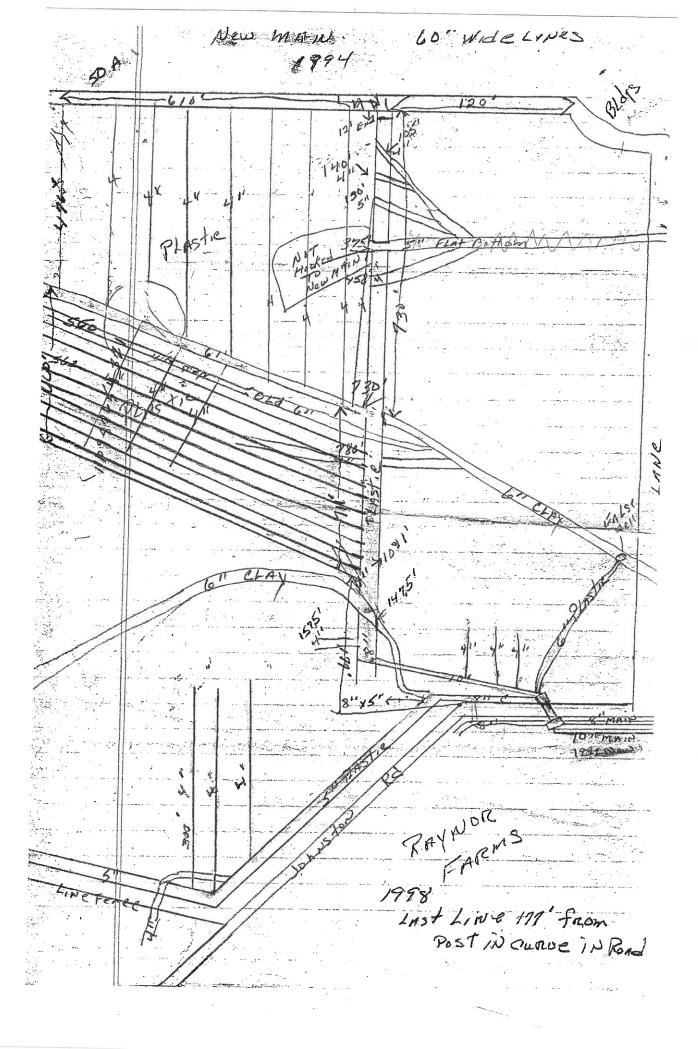
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CONSTRUCTION DATA THE SPACING OF FI. EXCEPTIONS NOTED ON PLAN. USE MANUFACTURED SO. AVERAGE 36" TO 42". GAP BELIND THE WILL FORMERS 30". AVERAGE 36" TO 42". FILE DUTIES INTO OPEN CHANNELS SHOULD BE GUARDE. THE BUTTES INTO OPEN CHANNELS SHOULD BE GUARDE. THE MANUFACTURE FOR CHANNELS SHOULD BE GUARDE. THE MANUFACTURE PREVENDED FROM DITCH BANK. SHOULD BE LAND ON A GREATER SLOPE THAN 30g. THE THE. SHOULD BE LAND GLOSE AND EARTH TAMPED AROUNCE. SPECIAL CONDITIONS.	SYN SYN STEEL	Bench Mark B.Mtt. : Elev 103.30'
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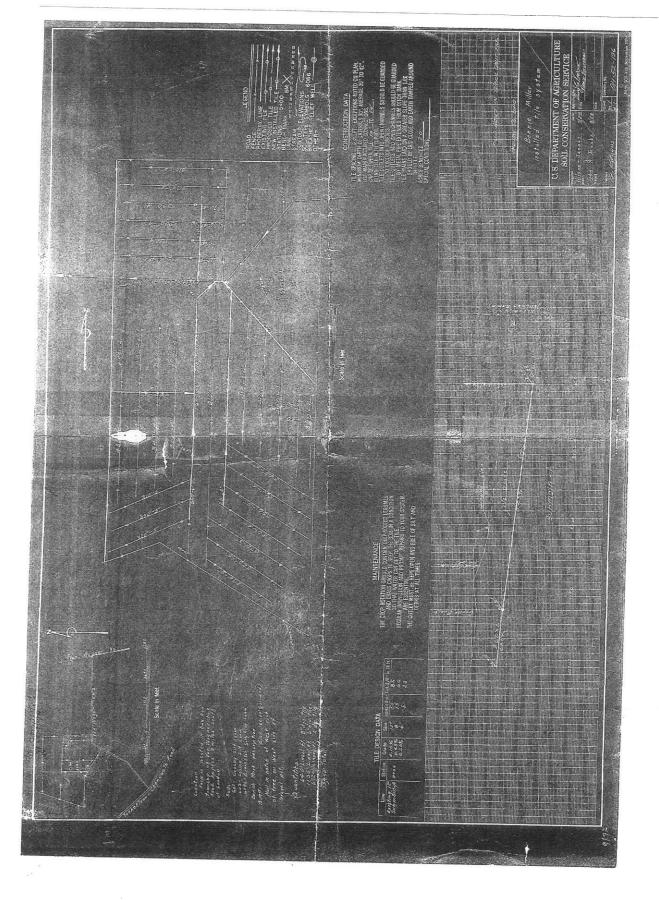


B.M#1 B.M#1 Top of but thom gate hinge in East west fence, approx. 50 west	B.M. # , 100 5025 0 700 300	Bennie Miller Asbuilt tile arainage Plan	U.S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE Designed Fr. 9.1 h. Wilson. John A. Loc. 2 b.s. Title Checked Checke
The trade of the second of the	* 225-8"		12400
	-6" SubMain-A	Wormal Ground	DO-OO



From Pole in 22A. 360





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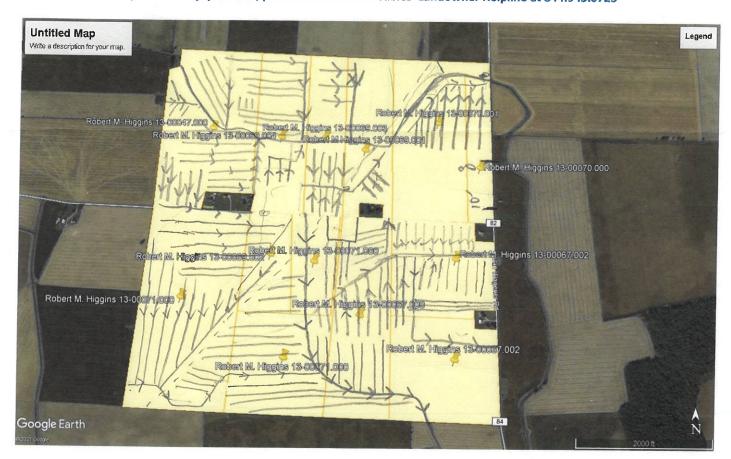
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(See attached map)

If you have any questions, please call EDF Renewables' Landowner Helpline at 844.943.0723





DRAINAGE QUESTIONNAIRE

 Are you aware of any drainage systems located on your property such as drain tile? (circle Yes or No) 	
Yes	No

2. If you answered Yes above, please describe the drainage systems to the best of your ability (type, size, condition, installer, date installed, how maintained, etc.):

There is a tile system on the majority of the form. I have included a rough schetch of where the tiles are. There are a Couple areas that have tile, we just Gold not Locate the Maps. Majority of the tile is perferated plastic tile, ranging from 4" laterals to 12" mains. The tile was installed beginning in the mid 70's up to the early 90%. We do have some that blueprint maps for the surveyors and or engineers to look at when the time Comes.

3. If you answered Yes above, please describe and provide any relevant records such receipts or maps provided by installers:

we will provide maps when they are needed.



DRAINAGE QUESTIONNAIRE

1. Are you aware of any drainage systems located on your property such as drain tile? (circle Yes or No)



No

2. If you answered Yes above, please describe the drainage systems to the best of your ability (type, size, condition, installer, date installed, how maintained, etc.):

Jim Daughpty

Main Tile 8"
Runs 6"
Various Years
Year of 2006-2012

3. If you answered Yes above, please describe and provide any relevant records such receipts or maps provided by installers:

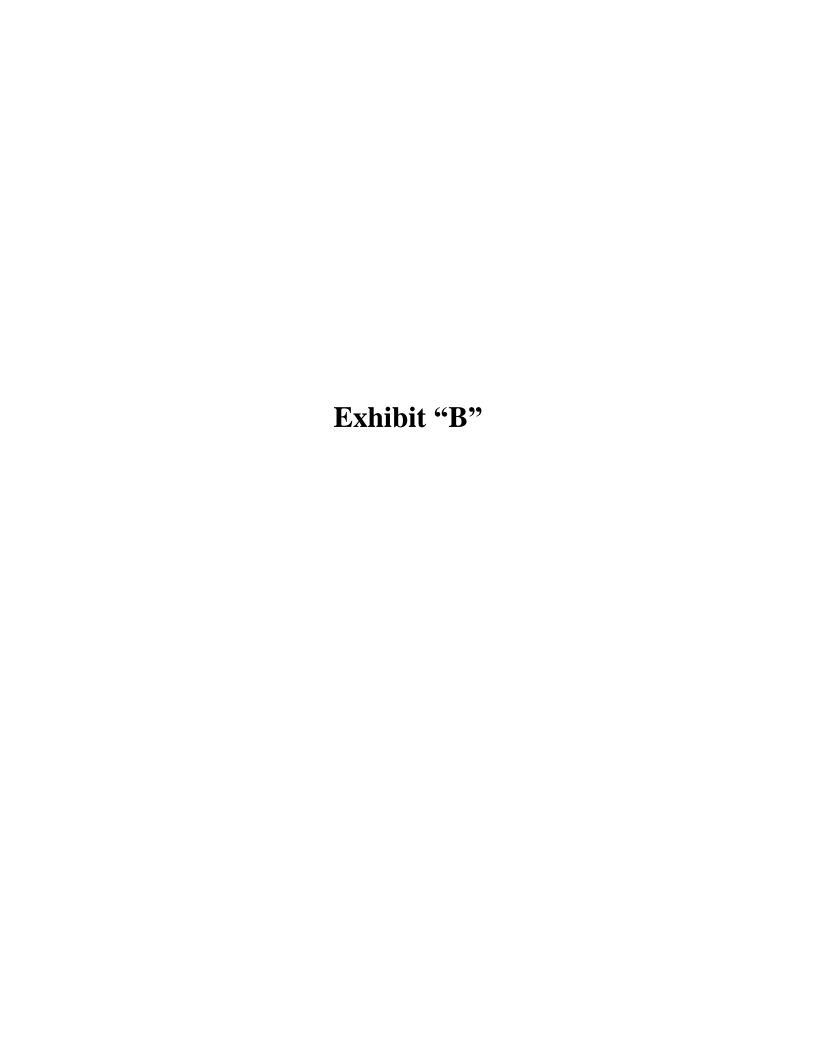
ADS systematic tiled

(See attached map)

If you have any questions, please call EDF Renewables' Landowner Helpline at 844.943.0723



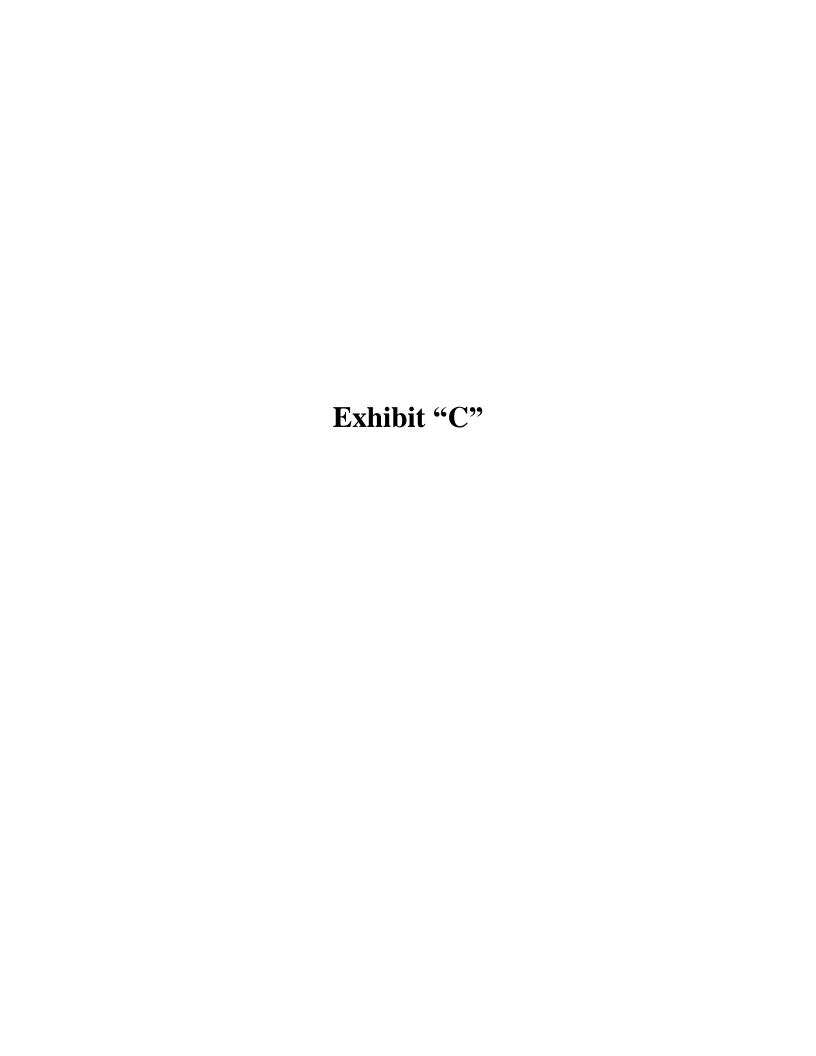
40' Centers







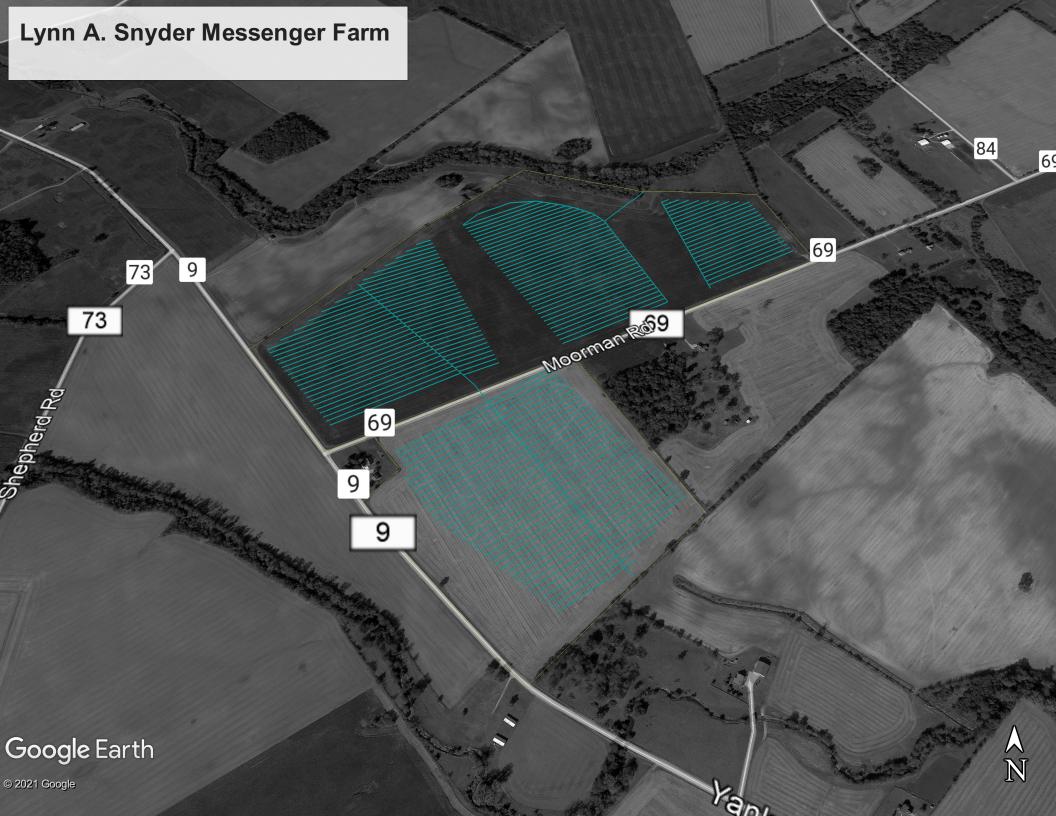
Legend Tile Tile Size











This foregoing document was electronically filed with the Public Utilities

Commission of Ohio Docketing Information System on

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in

Case No(s). 21-1031-EL-BGA

Summary: Application - 24 of 24 (Exhibit U - Agricultural Field Drainage Inventory) electronically filed by Christine M.T. Pirik on behalf of Fox Squirrel Solar, LLC