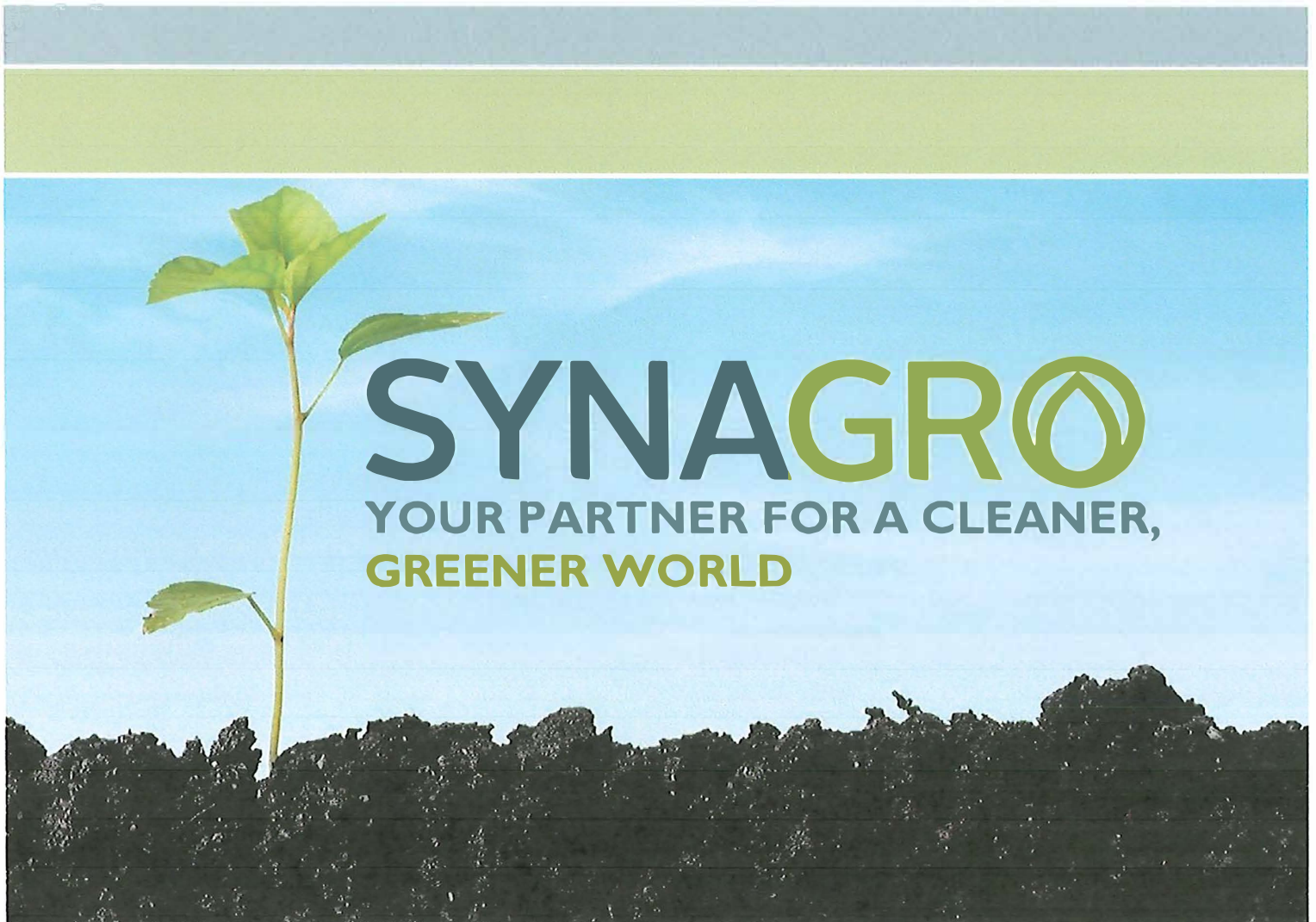


LAND APPLICATION OF BIOSOLIDS
BOB CHAMBERS

OR 96 (FIELDS 04-05, 09-10, 13-22, 31-36)
ORANGE COUNTY, VIRGINIA
NOVEMBER 2023



SEPTEMBER 26, 2024

Mr. John Thompson
Department of Environmental Quality
Northern Virginia Regional Office
13901 Crown Court
Woodbridge, Virginia 22193

Dear Mr. Thompson,

Transmitted herein for your consideration is land application site for Bob Chambers (designated as OR 96, (fields 04-05, 09-10, 13-22, 31-36), located in Orange County, Virginia. This submission contains strictly site-specific information. Please refer to the operations and maintenance manual submitted under separate cover for all non-site-specific information.

Do not hesitate to contact me at (410) 553-7217 should you have any questions or require additional information.

Sincerely,



Carolanne M. Whiteside
Technical Services Coordinator



FIELD SUMMARY SHEET

Bob Chambers

OR 96

SYNAGRO FIELD #	GROSS ACRES	NET ACRES	FSA TRACT #	FIELD TYPE	OWNER
96-04	19.3	19.3		Agriculture	Robert M. & Melissa L. Chambers
96-05	8.0	8.0		Agriculture	Robert M. & Melissa L. Chambers
96-09	15.6	15.6		Agriculture	Melissa L. Chambers
96-10	10.3	10.3		Agriculture	Melissa L. Chambers
96-13	12.7	12.7		Agriculture	Melissa L. Chambers
96-14	6.8	6.8		Agriculture	Paul A. & Patricia A. McDonald
96-15	14.5	14.5		Agriculture	Paul A. & Patricia A. McDonald
96-16	14.4	14.4		Agriculture	Paul A. & Patricia A. McDonald
96-17	30.7	30.7		Agriculture	Paul A. & Patricia A. McDonald
96-18	22.8	22.8		Agriculture	Paul A. & Patricia A. McDonald
96-19	10.6	10.6		Agriculture	Paul A. & Patricia A. McDonald
96-20	4.9	4.9		Agriculture	Paul A. & Patricia A. McDonald
96-21	15.8	15.8		Agriculture	Paul A. & Patricia A. McDonald
96-22	5.1	5.1		Agriculture	Paul A. & Patricia A. McDonald
96-31	64.8	64.8		Agriculture	Byron P. Settle, Jr.
96-32	65.7	65.7		Agriculture	Robert M. & Melissa L. Chambers
					Melissa L. Chambers
96-33	49.4	49.4		Agriculture	Robert M. & Melissa L. Chambers
					Melissa L. Chambers
96-34	48.9	48.9		Agriculture	Melissa L. Chambers
96-35	15.0	15.0		Agriculture	Melissa L. Chambers
96-36	97.0	97.0		Agriculture	Gerald J. Hoy
TOTALS:	532.3	532.3			

11/25/2023

Changes to field acreages

SYNAGRO FIELD #	OLD ACRES	NEW ACRES	NET ACRES CHANGE	REASON FOR CHANGE
96-01	18.2	0.0	-18.2	combine into 32
96-02	36.9	0.0	-36.9	combine into 32
96-03	8.5	0.0	-8.5	combine into 32
96-04	22.9	19.3	-3.6	Footprint
96-05	11.6	8.0	-3.6	Footprint
96-06	23.6	0.0	-23.6	combine into 33
96-07	6.7	0.0	-6.7	combine into 33
96-08	9.3	0.0	-9.3	combine into 33
96-09	15.6	15.6	0.0	
96-10	10.3	10.3	0.0	
96-11	4.9	0.0	-4.9	combine into 33
96-12	6.7	0.0	-6.7	combine into 33
96-13	12.7	12.7	0.0	
96-14	9.0	6.8	-2.2	Footprint
96-15	19.8	14.5	-5.3	Footprint
96-16	14.4	14.4	0.0	
96-17	37.7	30.7	-7.0	Footprint
96-18	22.8	22.8	0.0	
96-19	10.6	10.6	0.0	
96-20	4.6	4.9	0.3	Footprint
96-21	15.8	15.8	0.0	
96-22	5.1	5.1	0.0	
96-23	29.5	0.0	-29.5	Remove
96-24	32.9	0.0	-32.9	Remove
96-25	12.8	0.0	-12.8	Remove
96-26	19.5	0.0	-19.5	Remove
96-27	6.0	0.0	-6.0	Remove
96-28	8.3	0.0	-8.3	Remove
96-29	24.3	0.0	-24.3	Remove
96-30	34.1	0.0	-34.1	Remove
96-31	63.5	64.8	2.2	Footprint
96-32		65.7	65.7	combine 01-03
96-33		49.4	49.4	combine 06-08, 11, 12
96-34		48.9	48.9	new
96-35		15.0	15.0	new
96-36		97.0	97.0	new
TOTALS:	558.6	532.3	-25.4	

Fields with DEQ Control Numbers

SYNAGRO FIELD #	Control Number
96-04	51137-00365-0000
96-05	51137-00366-0000
96-09	51137-00370-0000
96-10	51137-00371-0000
96-13	51137-00665-0000
96-14	51137-00249-0000
96-15	51137-00250-0000
96-16	51137-00251-0000
96-17	51137-00252-0000
96-18	51137-00253-0000
96-19	51137-00254-0000
96-20	51137-00255-0000
96-21	51137-00256-0000
96-22	51137-00257-0000
96-31	51137-00689-0000
96-32	51137-00362-0000
	51137-00363-0000
	51137-00364-0000
96-33	51137-00367-0000
	51137-00368-0000
	51137-00369-0000
	51137-00372-0000
	51137-00373-0000
96-36	51137-00690-0000



VIRGINIA REQUEST AND CONSENT FOR BIOSOLIDS

FARM OPERATOR: Bob Chambers PHONE: (540) 226 9199
 ADDRESS: 33285 Mason Rd Locust Grove VA 22508
 FARM LOCATION: Rt 5 604, 602 & Pilgrim Church Rd

FSA TRACT #: _____

TOTAL ACRES: 500 COUNTY: Orange

CROPS: Corn Soybeans small grain hay

1. I agree to be responsible for adhering to the following conditions, where applicable:
 - a. The soil pH will be adjusted ≥ 6.0 when biosolids are applied. (This may be accomplished through the application of lime-treated biosolids).
 - b. Do not graze animals on the land for 30 days after the application of biosolids. In addition, animals intended for dairy production should not be allowed to graze on the land or be fed chopped foliage for 60 days after the application of biosolids. Meat-producing livestock should not be fed chopped foliage for 30 days after the application of biosolids.
 - c. Food crops for direct human consumption with harvested parts below the surface of the land shall not be harvested for 14 months after the application of biosolids.
 - d. Food crops for direct human consumption with harvested parts below the surface of the land shall not be harvested for 20 months after the application of biosolids when the biosolids remain on the land surface ≥ 4 months prior to incorporation into the soil or 38 months when the biosolids remain on the land surface < 4 months prior to incorporation.
 - e. Food crops, feed crops and fiber crops shall not be harvested for 30 days after application of biosolids.
 - f. Public access to land with a low potential for public exposure (land the public uses infrequently including but not limited to agricultural land and forests) shall be restricted for 30 days after application of biosolids. Public access to land with a high potential for public exposure (land the public uses frequently including but not limited to a public contact site such as parks, playgrounds and golf courses) shall be restricted for 1 year. No biosolids-amended soil shall be excavated or removed from the site for 30 days following the biosolids application unless adequate provisions are made to prevent public exposure to soils, dusts or aerosols.
 - g. Turf grown on land where biosolids are applied shall not be harvested for one year after application of biosolids when the harvested turf is placed on either land with a high potential for public exposure or a lawn, unless otherwise specified by the permitting authority.
 - h. Supplemental commercial fertilizer or manure applications should be coordinated with the biosolids applications such that the total crop needs for nutrients are not exceeded as identified on the nutrient balance sheet or the nutrient management plan approved by the Virginia Department of Conservation and Recreation to be supplied to the farm operator by Synagro at the time of application of biosolids to a specific permitted site.
 - i. Tobacco, because it has been shown to accumulate cadmium, should not be grown for three years following the application of biosolids-borne cadmium equal to or exceeding 0.45 lbs/acre.
2. I understand that this transaction is not contemplated by the parties to be a sale of goods, and that Synagro is willing to provide to me without charge the service of land applying biosolids which have been approved by the appropriate regulatory agencies for land application.
3. I understand that successful crop production depends on many variables, such as weather, soil conditions and specific farming practices and that while Synagro has experience with land application of biosolids, the responsibility for properly accommodating agricultural practices to biosolids utilization are solely mine. I have also read and understand the "Important Information About Using Biosolids as a Fertilizer" which is on the reverse side and incorporated by reference in this Request and Consent.

[Signature]
 OPERATOR'S SIGNATURE

6/25/15
 DATE

Synagro * 10647 Tidewater Trail * Champlain, VA 22438 * 804.443.2170

IMPORTANT INFORMATION ABOUT USING BIOSOLIDS AS A FERTILIZER

Biosolids Generation

Biosolids are the accumulated, treated solids separated from water during the treatment of wastewater by public and private wastewater treatment plants (Generators). The Generator is responsible for supplying biosolids that are suitable for land application under state and federal regulations.

Benefits of Biosolids

Biosolids provide nitrogen in a form that can be taken up by plants during their growth cycle. Biosolids also add phosphorus to the soil. If lime is added to biosolids, the biosolids will have the added benefit of a liming agent. Biosolids contain primary, secondary and micronutrients that can be used by plants. Biosolids are primarily an organic material; when added to soil, they improve water and nutrient retention, reduce erosion potential and improve soil structure.

The Permitting Process

Once the farm operator requests biosolids, a Synagro representative initially evaluates the farm for truck access and field conditions. If the farm is found to be suitable and the Request for Biosolids and the Consent for Biosolids forms are signed, Synagro will collect soil samples and have them analyzed by an independent laboratory.

Synagro will then apply for any federal, state or local permits required for biosolids application. The permits will specifically identify the fields to which biosolids will be applied and will be issued to Synagro or the Generator.

After the permits are obtained (a process that may take several months or more) Synagro will apply biosolids, as they become available, to the fields. Availability of biosolids may vary because of weather conditions, contractual arrangements with biosolids generators and other factors. Although the company cannot guarantee biosolids application because of factors beyond its control, Synagro will use its best efforts to apply biosolids to the permitted fields.

The conditions outlined in the permit will apply to any and all biosolids applications made by Synagro. Synagro will not be responsible for biosolids application made by any other entity.

Periodic visits to the land application site(s) by federal, state and local regulatory staff and Synagro representatives may occur for the purpose of permitting the site, inspecting the site, applying biosolids, obtaining samples at the site and testing. Proper identification will be provided upon request.

Agonomic Considerations

Tractor-trailer units are used to deliver biosolids to the fields approved for biosolids applications. Soil compaction may occur on the travel areas used by the trucks and in areas where biosolids are unloaded for transfer to the applicator vehicle.

Since some biosolids contain lime, it is important to recognize any increase in soil pH where biosolids have been applied and exercise care in using certain herbicides. If considering the use of a sulfonylurea herbicide, particular attention should be paid to any label restrictions. High soil pH and dry weather may slow decomposition of these chemicals, resulting in carryover. For soils with low manganese levels, increased soil pH from lime addition (alone or in lime treated biosolids) may reduce manganese availability and thereby potentially reduce crop yields.

In planning a herbicide program, it should be noted that seeds may sometimes survive the biosolids treatment process — for example, tomato seeds. Also, the organic matter additions from biosolids application (organic matter tends to tie up certain herbicides) may require increased herbicide application rates. Consult your extension agent or chemical representative for a specific recommendation.

Biosolids contain salts. Biosolids applications alone rarely cause salt problems. However, if combined with other significant salt-increasing factors, such as drought, excessive soil compaction, saline irrigation water and salt-containing fertilizers, salts may reach levels that could negatively affect germination and growth of some crops.

While odors from biosolids applications are not usually significant, and typically less than that from livestock manure, it is possible that an odor from the decomposition of organic matter may be noticed. If this occurs, it generally disappears in a short time.

Since biosolids provide nitrogen that will be released slowly throughout the growing season with diminishing carryover in subsequent years, it is important to reduce the use of nitrogen and other fertilizers to appropriate levels.

VIRGINIA POLLUTION ABATEMENT PERMIT APPLICATION FORM D: MUNICIPAL EFFLUENT AND BIOSOLIDS

PART D-VI: LAND APPLICATION AGREEMENT - BIOSOLIDS AND INDUSTRIAL RESIDUALS

A. This land application agreement is made on 10/23/23 between Robert M Jr & Melissa L Chambers referred to here as "Landowner", and Synagro Central, LLC, referred to here as the "Permittee". This agreement remains in effect until it is terminated in writing by either party or, with respect to those parcels that are retained by the Landowner in the event of a sale of one or more parcels, until ownership of all parcels changes. If ownership of individual parcels identified in this agreement changes, those parcels for which ownership has changed will no longer be authorized to receive biosolids or industrial residuals under this agreement.

Landowner:

The Landowner is the owner of record of the real property located in Orange Co., Virginia, which includes the agricultural, silvicultural or reclamation sites identified below in Table 1 and identified on the tax map(s) with county documentation identifying owners, attached as Exhibit A.

Table 1.: Parcels authorized to receive biosolids, water treatment residuals or other industrial sludges			
Tax Parcel ID	Tax Parcel ID	Tax Parcel ID	Tax Parcel ID
036 00000000 400			
036 00000000 410			
036 00000000 420			

☐ Additional parcels containing Land Application Sites are identified on Supplement A (check if applicable)

Check one: ☐ The Landowner is the sole owner of the properties identified herein.
☒ The Landowner is one of multiple owners of the properties identified herein.

In the event that the Landowner sells or transfers all or part of the property to which biosolids have been applied within 38 months of the latest date of biosolids application, the Landowner shall:

1. Notify the purchaser or transferee of the applicable public access and crop management restrictions no later than the date of the property transfer; and
2. Notify the Permittee of the sale within two weeks following property transfer.

The Landowner has no other agreements for land application on the fields identified herein. The Landowner will notify the Permittee immediately if conditions change such that the fields are no longer available to the Permittee for application or any part of this agreement becomes invalid or the information herein contained becomes incorrect.

The Landowner hereby grants permission to the Permittee to land apply residuals as specified below, on the agricultural sites identified above and in Exhibit A. The Landowner also grants permission for DEQ staff to conduct inspections on the land identified above, before, during or after land application of permitted residuals for the purpose of determining compliance with regulatory requirements applicable to such application.

<u>Class B biosolids</u>	<u>Water treatment residuals</u>	<u>Food processing waste</u>	<u>Other industrial sludges</u>
X Yes <input type="checkbox"/> No	X Yes <input type="checkbox"/> No	X Yes <input type="checkbox"/> No	X Yes <input type="checkbox"/> No

Printed name: <u>Robert M Jr & Melissa Chambers</u> By: <u>Robert M Chambers Jr</u> Title* ----	<u>Mailing Address</u> <u>33285 Mason Rd</u> <u>Locust Grove VA 22508</u> <u>Phone No. 540-226-9199</u>	<u>Landowner Signature</u>
<input type="checkbox"/> I certify that I have authority to sign for the landowner as indicated by my title as executor, Trustee or Power of attorney, etc.		
<input type="checkbox"/> I certify that I am a responsible official [or officer] authorized to act on behalf of the following corporation, partnership, proprietorship, LLC, municipality, state or federal agency, etc.		

Permittee:

Synagro Central, LLC, the Permittee, agrees to apply biosolids and/or industrial residuals on the Landowner's land in the manner authorized by the VPA Permit Regulation and in amounts not to exceed the rates identified in the nutrient management plan prepared for each land application field by a person certified in accordance with [§10.1-104.2 of the Code of Virginia](#).

The Permittee agrees to notify the Landowner or the Landowner's designee of the proposed schedule for land application and specifically prior to any particular application to the Landowner's land. Notice shall include the source of residuals to be applied.

Printed name <u>Jeff Douthit</u> Title <u>Technical Services Specialist</u>	Mailing Address: <u>1681 Tappahannock Blvd</u> <u>Tappahannock, VA 22560</u> Phone No.: <u>804-443-2071</u>	Permittee- Authorized Representative Signature
---	---	---

PLEASE SIGN BOTH PAGES

Permittee: Synagro Central, LLCCounty or City: OrangeLandowner: Robert M Jr + Melissa L Chambers**Landowner Site Management Requirements:**

I, the Landowner, I have received a DEQ Biosolids Fact Sheet that includes information regarding regulations governing the land application of biosolids, the components of biosolids and proper handling and land application of biosolids.

I have also been expressly advised by the Permittee that the site management requirements and site access restrictions identified below must be complied with after biosolids have been applied on my property in order to protect public health, and that I am responsible for the implementation of these practices.

I agree to implement the following site management practices at each site under my ownership following the land application of biosolids at the site:

1. Notification Signs: I will not remove any signs posted by the Permittee for the purpose of identifying my field as a biosolids land application site, unless requested by the Permittee, until at least 30 days after land application at that site is completed.
2. Public Access
 - a. Public access to land with a high potential for public exposure shall be restricted for at least one year following any application of biosolids.
 - b. Public access to land with a low potential for public exposure shall be restricted for at least 30 days following any application of biosolids. No biosolids amended soil shall be excavated or removed from the site during this same period of time unless adequate provisions are made to prevent public exposure to soil, dusts or aerosols;
 - c. Turf grown on land where biosolids are applied shall not be harvested for one year after application of biosolids when the harvested turf is placed on either land with a high potential for public exposure or a lawn, unless otherwise specified by DEQ.
3. Crop Restrictions:
 - a. Food crops with harvested parts that touch the biosolids/soil mixture and are totally above the land surface shall not be harvested for 14 months after the application of biosolids.
 - b. Food crops with harvested parts below the surface of the land shall not be harvested for 20 months after the application of biosolids when the biosolids remain on the land surface for a time period of four (4) or more months prior to incorporation into the soil,
 - c. Food crops with harvested parts below the surface of the land shall not be harvested for 38 months when the biosolids remain on the land surface for a time period of less than four (4) months prior to incorporation.
 - d. Other food crops and fiber crops shall not be harvested for 30 days after the application of biosolids;
 - e. Feed crops shall not be harvested for 30 days after the application of biosolids (60 days if fed to lactating dairy animals).
4. Livestock Access Restrictions:

Following biosolids application to pasture or hayland sites:

 - a. Meat producing livestock shall not be grazed for 30 days,
 - b. Lactating dairy animals shall not be grazed for a minimum of 60 days.
 - c. Other animals shall be restricted from grazing for 30 days;
5. Supplemental commercial fertilizer or manure applications will be coordinated with the biosolids and industrial residuals applications such that the total crop needs for nutrients are not exceeded as identified in the nutrient management plan developed by a person certified in accordance with §10.1-104.2 of the Code of Virginia;
6. Tobacco, because it has been shown to accumulate cadmium, should not be grown on the Landowner's land for three years following the application of biosolids or industrial residuals which bear cadmium equal to or exceeding 0.45 pounds/acre (0.5 kilograms/hectare).



Landowner's Signature

10-23-'23

Date

VIRGINIA POLLUTION ABATEMENT PERMIT APPLICATION FORM D: MUNICIPAL EFFLUENT AND BIOSOLIDS

PART D-VI: LAND APPLICATION AGREEMENT - BIOSOLIDS AND INDUSTRIAL RESIDUALS

A. This land application agreement is made on 10/23/2023 between Robert M Jr + Melissa L Chambers referred to here as "Landowner", and Synagro Central, LLC, referred to here as the "Permittee". This agreement remains in effect until it is terminated in writing by either party or, with respect to those parcels that are retained by the Landowner in the event of a sale of one or more parcels, until ownership of all parcels changes. If ownership of individual parcels identified in this agreement changes, those parcels for which ownership has changed will no longer be authorized to receive biosolids or industrial residuals under this agreement.

Landowner:

The Landowner is the owner of record of the real property located in Orange Co., Virginia, which includes the agricultural, silvicultural or reclamation sites identified below in Table 1 and identified on the tax map(s) with county documentation identifying owners, attached as Exhibit A.

Table 1.: Parcels authorized to receive biosolids, water treatment residuals or other industrial sludges			
Tax Parcel ID	Tax Parcel ID	Tax Parcel ID	Tax Parcel ID
036 0000 0000 400			
036 0000 0000 410			
036 0000 0000 420			

☐ Additional parcels containing Land Application Sites are identified on Supplement A (check if applicable)

Check one: ☐ The Landowner is the sole owner of the properties identified herein.
☒ The Landowner is one of multiple owners of the properties identified herein.

In the event that the Landowner sells or transfers all or part of the property to which biosolids have been applied within 38 months of the latest date of biosolids application, the Landowner shall:

1. Notify the purchaser or transferee of the applicable public access and crop management restrictions no later than the date of the property transfer; and
2. Notify the Permittee of the sale within two weeks following property transfer.

The Landowner has no other agreements for land application on the fields identified herein. The Landowner will notify the Permittee immediately if conditions change such that the fields are no longer available to the Permittee for application or any part of this agreement becomes invalid or the information herein contained becomes incorrect.

The Landowner hereby grants permission to the Permittee to land apply residuals as specified below, on the agricultural sites identified above and in Exhibit A. The Landowner also grants permission for DEQ staff to conduct inspections on the land identified above, before, during or after land application of permitted residuals for the purpose of determining compliance with regulatory requirements applicable to such application.

<u>Class B biosolids</u>	<u>Water treatment residuals</u>	<u>Food processing waste</u>	<u>Other industrial sludges</u>
X Yes <input type="checkbox"/> No	X Yes <input type="checkbox"/> No	X Yes <input type="checkbox"/> No	X Yes <input type="checkbox"/> No

Printed name: <u>Robert M Jr + Melissa L Chambers</u>	Mailing Address <u>33285 Mason Rd</u> <u>Locust Grove VA 22508</u>	Landowner Signature <u>Melissa L. Chambers</u>
By: <u>Melissa L Chambers</u>	Phone No. <u>540.226-9199</u>	
Title* ----		
<input type="checkbox"/> I certify that I have authority to sign for the landowner as indicated by my title as executor, Trustee or Power of attorney, etc. <input type="checkbox"/> I certify that I am a responsible official [or officer] authorized to act on behalf of the following corporation, partnership, proprietorship, LLC, municipality, state or federal agency, etc.		

Permittee:

Synagro Central, LLC, the Permittee, agrees to apply biosolids and/or industrial residuals on the Landowner's land in the manner authorized by the VPA Permit Regulation and in amounts not to exceed the rates identified in the nutrient management plan prepared for each land application field by a person certified in accordance with §10.1-104.2 of the Code of Virginia.

The Permittee agrees to notify the Landowner or the Landowner's designee of the proposed schedule for land application and specifically prior to any particular application to the Landowner's land. Notice shall include the source of residuals to be applied.

Printed name <u>Jeff Douthit</u>	Mailing Address: <u>1681 Tappahannock Blvd</u> <u>Tappahannock, VA 22560</u>	Permittee- Authorized Representative Signature <u>Jeff Douthit</u>
Title <u>Technical Services Specialist</u>	Phone No.: <u>804-443-2071</u>	

PLEASE SIGN BOTH PAGES

Permittee: Synagro Central, LLCCounty or City: OrangeLandowner: Robert M Jr + Melissa L Chambers**Landowner Site Management Requirements:**

I, the Landowner, I have received a DEQ Biosolids Fact Sheet that includes information regarding regulations governing the land application of biosolids, the components of biosolids and proper handling and land application of biosolids.

I have also been expressly advised by the Permittee that the site management requirements and site access restrictions identified below must be complied with after biosolids have been applied on my property in order to protect public health, and that I am responsible for the implementation of these practices.

I agree to implement the following site management practices at each site under my ownership following the land application of biosolids at the site:

1. Notification Signs: I will not remove any signs posted by the Permittee for the purpose of identifying my field as a biosolids land application site, unless requested by the Permittee, until at least 30 days after land application at that site is completed.
2. Public Access
 - a. Public access to land with a high potential for public exposure shall be restricted for at least one year following any application of biosolids.
 - b. Public access to land with a low potential for public exposure shall be restricted for at least 30 days following any application of biosolids. No biosolids amended soil shall be excavated or removed from the site during this same period of time unless adequate provisions are made to prevent public exposure to soil, dusts or aerosols;
 - c. Turf grown on land where biosolids are applied shall not be harvested for one year after application of biosolids when the harvested turf is placed on either land with a high potential for public exposure or a lawn, unless otherwise specified by DEQ.
3. Crop Restrictions:
 - a. Food crops with harvested parts that touch the biosolids/soil mixture and are totally above the land surface shall not be harvested for 14 months after the application of biosolids.
 - b. Food crops with harvested parts below the surface of the land shall not be harvested for 20 months after the application of biosolids when the biosolids remain on the land surface for a time period of four (4) or more months prior to incorporation into the soil,
 - c. Food crops with harvested parts below the surface of the land shall not be harvested for 38 months when the biosolids remain on the land surface for a time period of less than four (4) months prior to incorporation.
 - d. Other food crops and fiber crops shall not be harvested for 30 days after the application of biosolids;
 - e. Feed crops shall not be harvested for 30 days after the application of biosolids (60 days if fed to lactating dairy animals).
4. Livestock Access Restrictions:

Following biosolids application to pasture or hayland sites:

 - a. Meat producing livestock shall not be grazed for 30 days,
 - b. Lactating dairy animals shall not be grazed for a minimum of 60 days.
 - c. Other animals shall be restricted from grazing for 30 days;
5. Supplemental commercial fertilizer or manure applications will be coordinated with the biosolids and industrial residuals applications such that the total crop needs for nutrients are not exceeded as identified in the nutrient management plan developed by a person certified in accordance with §10.1-104.2 of the Code of Virginia;
6. Tobacco, because it has been shown to accumulate cadmium, should not be grown on the Landowner's land for three years following the application of biosolids or industrial residuals which bear cadmium equal to or exceeding 0.45 pounds/acre (0.5 kilograms/hectare).

Melissa L. Chambers
Landowner's Signature

10-23-2023

Date

VIRGINIA POLLUTION ABATEMENT PERMIT APPLICATION FORM D: MUNICIPAL EFFLUENT AND BIOSOLIDS

PART D-VI: LAND APPLICATION AGREEMENT - BIOSOLIDS AND INDUSTRIAL RESIDUALS

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Table 1.: Parcels authorized to receive biosolids, water treatment residuals or other industrial sludges			
Tax Parcel ID	Tax Parcel ID	Tax Parcel ID	Tax Parcel ID
036 0000 0000 430	036 00000000 31K		
036 0000 0000 310	036 00000000 31L		
036 00000000 31J			

☐ Additional parcels containing Land Application Sites are identified on Supplement A (check if applicable)

Check one: ☒ The Landowner is the sole owner of the properties identified herein.
☐ The Landowner is one of multiple owners of the properties identified herein.

In the event that the Landowner sells or transfers all or part of the property to which biosolids have been applied within 38 months of the latest date of biosolids application, the Landowner shall:

1. Notify the purchaser or transferee of the applicable public access and crop management restrictions no later than the date of the property transfer; and
2. Notify the Permittee of the sale within two weeks following property transfer.

The Landowner has no other agreements for land application on the fields identified herein. The Landowner will notify the Permittee immediately if conditions change such that the fields are no longer available to the Permittee for application or any part of this agreement becomes invalid or the information herein contained becomes incorrect.

The Landowner hereby grants permission to the Permittee to land apply residuals as specified below, on the agricultural sites identified above and in Exhibit A. The Landowner also grants permission for DEQ staff to conduct inspections on the land identified above, before, during or after land application of permitted residuals for the purpose of determining compliance with regulatory requirements applicable to such application.

<u>Class B biosolids</u>	<u>Water treatment residuals</u>	<u>Food processing waste</u>	<u>Other industrial sludges</u>
X Yes <input type="checkbox"/> No	X Yes <input type="checkbox"/> No	X Yes <input type="checkbox"/> No	X Yes <input type="checkbox"/> No

Printed name: By: Melissa L Chambers Title* ----	<u>Mailing Address</u> 33285 Mason Rd Locust Grove VA 22508 <u>Phone No.</u> 540-226-9199	<u>Landowner Signature</u>
<input type="checkbox"/> I certify that I have authority to sign for the landowner as indicated by my title as executor, Trustee or Power of attorney, etc.		
<input type="checkbox"/> I certify that I am a responsible official [or officer] authorized to act on behalf of the following corporation, partnership, proprietorship, LLC, municipality, state or federal agency, etc.		

Permittee:

Synagro Central, LLC, the Permittee, agrees to apply biosolids and/or industrial residuals on the Landowner's land in the manner authorized by the VPA Permit Regulation and in amounts not to exceed the rates identified in the nutrient management plan prepared for each land application field by a person certified in accordance with [§10.1-104.2 of the Code of Virginia](#).

The Permittee agrees to notify the Landowner or the Landowner's designee of the proposed schedule for land application and specifically prior to any particular application to the Landowner's land. Notice shall include the source of residuals to be applied.

Printed name Jeff Douthit	Mailing Address: 1681 Tappahannock Blvd Tappahannock, VA 22560 Phone No.: 804-443-2071	Permittee- Authorized Representative Signature
Title Technical Services Specialist		

PLEASE SIGN BOTH PAGES

Permittee: Synagro Central, LLCCounty or City: OrangeLandowner: Melissa L. Chambers**Landowner Site Management Requirements:**

I, the Landowner, I have received a DEQ Biosolids Fact Sheet that includes information regarding regulations governing the land application of biosolids, the components of biosolids and proper handling and land application of biosolids.

I have also been expressly advised by the Permittee that the site management requirements and site access restrictions identified below must be complied with after biosolids have been applied on my property in order to protect public health, and that I am responsible for the implementation of these practices.

I agree to implement the following site management practices at each site under my ownership following the land application of biosolids at the site:

1. Notification Signs: I will not remove any signs posted by the Permittee for the purpose of identifying my field as a biosolids land application site, unless requested by the Permittee, until at least 30 days after land application at that site is completed.
2. Public Access
 - a. Public access to land with a high potential for public exposure shall be restricted for at least one year following any application of biosolids.
 - b. Public access to land with a low potential for public exposure shall be restricted for at least 30 days following any application of biosolids. No biosolids amended soil shall be excavated or removed from the site during this same period of time unless adequate provisions are made to prevent public exposure to soil, dusts or aerosols;
 - c. Turf grown on land where biosolids are applied shall not be harvested for one year after application of biosolids when the harvested turf is placed on either land with a high potential for public exposure or a lawn, unless otherwise specified by DEQ.
3. Crop Restrictions:
 - a. Food crops with harvested parts that touch the biosolids/soil mixture and are totally above the land surface shall not be harvested for 14 months after the application of biosolids.
 - b. Food crops with harvested parts below the surface of the land shall not be harvested for 20 months after the application of biosolids when the biosolids remain on the land surface for a time period of four (4) or more months prior to incorporation into the soil,
 - c. Food crops with harvested parts below the surface of the land shall not be harvested for 38 months when the biosolids remain on the land surface for a time period of less than four (4) months prior to incorporation.
 - d. Other food crops and fiber crops shall not be harvested for 30 days after the application of biosolids;
 - e. Feed crops shall not be harvested for 30 days after the application of biosolids (60 days if fed to lactating dairy animals).
4. Livestock Access Restrictions:

Following biosolids application to pasture or hayland sites:

 - a. Meat producing livestock shall not be grazed for 30 days,
 - b. Lactating dairy animals shall not be grazed for a minimum of 60 days.
 - c. Other animals shall be restricted from grazing for 30 days;
5. Supplemental commercial fertilizer or manure applications will be coordinated with the biosolids and industrial residuals applications such that the total crop needs for nutrients are not exceeded as identified in the nutrient management plan developed by a person certified in accordance with §10.1-104.2 of the Code of Virginia;
6. Tobacco, because it has been shown to accumulate cadmium, should not be grown on the Landowner's land for three years following the application of biosolids or industrial residuals which bear cadmium equal to or exceeding 0.45 pounds/acre (0.5 kilograms/hectare).

Melissa L. Chambers
Landowner's Signature

10-23-2023
Date

VIRGINIA POLLUTION ABATEMENT PERMIT APPLICATION FORM D: MUNICIPAL EFFLUENT AND BIOSOLIDS

PART D-VI: LAND APPLICATION AGREEMENT - BIOSOLIDS AND INDUSTRIAL RESIDUALS

A. This land application agreement is made on 11-7-123 between Paul A & Patricia A McDonald referred to here as "Landowner", and Synagro Central, LLC, referred to here as the "Permittee". This agreement remains in effect until it is terminated in writing by either party or, with respect to those parcels that are retained by the Landowner in the event of a sale of one or more parcels, until ownership of all parcels changes. If ownership of individual parcels identified in this agreement changes, those parcels for which ownership has changed will no longer be authorized to receive biosolids or industrial residuals under this agreement.

Landowner:

The Landowner is the owner of record of the real property located in Orange Co., Virginia, which includes the agricultural, silvicultural or reclamation sites identified below in Table 1 and identified on the tax map(s) with county documentation identifying owners, attached as Exhibit A.

Table 1.: Parcels authorized to receive biosolids, water treatment residuals or other industrial sludges			
<u>Tax Parcel ID</u>	<u>Tax Parcel ID</u>	<u>Tax Parcel ID</u>	<u>Tax Parcel ID</u>
02100000000070			

☐ Additional parcels containing Land Application Sites are identified on Supplement A (check if applicable)

Check one: ☐ The Landowner is the sole owner of the properties identified herein.
☒ The Landowner is one of multiple owners of the properties identified herein.

In the event that the Landowner sells or transfers all or part of the property to which biosolids have been applied within 38 months of the latest date of biosolids application, the Landowner shall:

1. Notify the purchaser or transferee of the applicable public access and crop management restrictions no later than the date of the property transfer; and
2. Notify the Permittee of the sale within two weeks following property transfer.

The Landowner has no other agreements for land application on the fields identified herein. The Landowner will notify the Permittee immediately if conditions change such that the fields are no longer available to the Permittee for application or any part of this agreement becomes invalid or the information herein contained becomes incorrect.

The Landowner hereby grants permission to the Permittee to land apply residuals as specified below, on the agricultural sites identified above and in Exhibit A. The Landowner also grants permission for DEQ staff to conduct inspections on the land identified above, before, during or after land application of permitted residuals for the purpose of determining compliance with regulatory requirements applicable to such application.

<u>Class B biosolids</u>	<u>Water treatment residuals</u>	<u>Food processing waste</u>	<u>Other industrial sludges</u>
X Yes <input type="checkbox"/> No	X Yes <input type="checkbox"/> No	X Yes <input type="checkbox"/> No	X Yes <input type="checkbox"/> No

Printed name: Paul A & Patricia A McDonald By: Patricia A McDonald Title* ----	Mailing Address 30281 Springfield Farm Ln Locust Grove, VA 22508 Phone No. <u>703 381 9912</u>	Landowner Signature
<input type="checkbox"/> I certify that I have authority to sign for the landowner as indicated by my title as executor, Trustee or Power of attorney, etc.		
<input type="checkbox"/> I certify that I am a responsible official [or officer] authorized to act on behalf of the following corporation, partnership, proprietorship, LLC, municipality, state or federal agency, etc.		

Permittee:

Synagro Central, LLC, the Permittee, agrees to apply biosolids and/or industrial residuals on the Landowner's land in the manner authorized by the VPA Permit Regulation and in amounts not to exceed the rates identified in the nutrient management plan prepared for each land application field by a person certified in accordance with [§10.1-104.2 of the Code of Virginia](#).

The Permittee agrees to notify the Landowner or the Landowner's designee of the proposed schedule for land application and specifically prior to any particular application to the Landowner's land. Notice shall include the source of residuals to be applied.

Printed name Jeff Douthit	Mailing Address: 1681 Tappahannock Blvd Tappahannock, VA 22560 Phone No.: 804-443-2071	Permittee- Authorized Representative Signature
Title Technical Services Specialist		

PLEASE SIGN BOTH PAGES

Permittee: Synagro Central, LLC

County or City: Orange

Landowner: Paul A & Patricia A McDonald

Landowner Site Management Requirements:

I, the Landowner, I have received a DEQ Biosolids Fact Sheet that includes information regarding regulations governing the land application of biosolids, the components of biosolids and proper handling and land application of biosolids.

I have also been expressly advised by the Permittee that the site management requirements and site access restrictions identified below must be complied with after biosolids have been applied on my property in order to protect public health, and that I am responsible for the implementation of these practices.

I agree to implement the following site management practices at each site under my ownership following the land application of biosolids at the site:

1. Notification Signs: I will not remove any signs posted by the Permittee for the purpose of identifying my field as a biosolids land application site, unless requested by the Permittee, until at least 30 days after land application at that site is completed.
2. Public Access
 - a. Public access to land with a high potential for public exposure shall be restricted for at least one year following any application of biosolids.
 - b. Public access to land with a low potential for public exposure shall be restricted for at least 30 days following any application of biosolids. No biosolids amended soil shall be excavated or removed from the site during this same period of time unless adequate provisions are made to prevent public exposure to soil, dusts or aerosols;
 - c. Turf grown on land where biosolids are applied shall not be harvested for one year after application of biosolids when the harvested turf is placed on either land with a high potential for public exposure or a lawn, unless otherwise specified by DEQ.
3. Crop Restrictions:
 - a. Food crops with harvested parts that touch the biosolids/soil mixture and are totally above the land surface shall not be harvested for 14 months after the application of biosolids.
 - b. Food crops with harvested parts below the surface of the land shall not be harvested for 20 months after the application of biosolids when the biosolids remain on the land surface for a time period of four (4) or more months prior to incorporation into the soil,
 - c. Food crops with harvested parts below the surface of the land shall not be harvested for 38 months when the biosolids remain on the land surface for a time period of less than four (4) months prior to incorporation.
 - d. Other food crops and fiber crops shall not be harvested for 30 days after the application of biosolids;
 - e. Feed crops shall not be harvested for 30 days after the application of biosolids (60 days if fed to lactating dairy animals).
4. Livestock Access Restrictions:

Following biosolids application to pasture or hayland sites:

 - a. Meat producing livestock shall not be grazed for 30 days,
 - b. Lactating dairy animals shall not be grazed for a minimum of 60 days.
 - c. Other animals shall be restricted from grazing for 30 days;
5. Supplemental commercial fertilizer or manure applications will be coordinated with the biosolids and industrial residuals applications such that the total crop needs for nutrients are not exceeded as identified in the nutrient management plan developed by a person certified in accordance with §10.1-104.2 of the Code of Virginia;
6. Tobacco, because it has been shown to accumulate cadmium, should not be grown on the Landowner's land for three years following the application of biosolids or industrial residuals which bear cadmium equal to or exceeding 0.45 pounds/acre (0.5 kilograms/hectare).


Landowner's Signature

11/7/2023
Date

VIRGINIA POLLUTION ABATEMENT PERMIT APPLICATION

FORM D: MUNICIPAL EFFLUENT AND BIOSOLIDS

PART D-VI: LAND APPLICATION AGREEMENT - BIOSOLIDS AND INDUSTRIAL RESIDUALS

A. This land application agreement is made on 11-7-'23 between Paul A & Patricia A McDonald referred to here as "Landowner", and Synagro Central, LLC, referred to here as the "Permittee". This agreement remains in effect until it is terminated in writing by either party or, with respect to those parcels that are retained by the Landowner in the event of a sale of one or more parcels, until ownership of all parcels changes. If ownership of individual parcels identified in this agreement changes, those parcels for which ownership has changed will no longer be authorized to receive biosolids or industrial residuals under this agreement.

Landowner:

The Landowner is the owner of record of the real property located in Orange Co., Virginia, which includes the agricultural, silvicultural or reclamation sites identified below in Table 1 and identified on the tax map(s) with county documentation identifying owners, attached as Exhibit A.

Table 1.: Parcels authorized to receive biosolids, water treatment residuals or other industrial sludges

<u>Tax Parcel ID</u>	<u>Tax Parcel ID</u>	<u>Tax Parcel ID</u>	<u>Tax Parcel ID</u>
02100000000070			

☐ Additional parcels containing Land Application Sites are identified on Supplement A (check if applicable)

Check one: ☐ The Landowner is the sole owner of the properties identified herein.
☒ The Landowner is one of multiple owners of the properties identified herein.

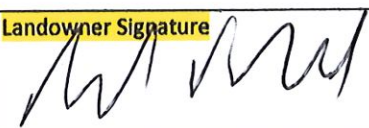
In the event that the Landowner sells or transfers all or part of the property to which biosolids have been applied within 38 months of the latest date of biosolids application, the Landowner shall:

1. Notify the purchaser or transferee of the applicable public access and crop management restrictions no later than the date of the property transfer; and
2. Notify the Permittee of the sale within two weeks following property transfer.

The Landowner has no other agreements for land application on the fields identified herein. The Landowner will notify the Permittee immediately if conditions change such that the fields are no longer available to the Permittee for application or any part of this agreement becomes invalid or the information herein contained becomes incorrect.

The Landowner hereby grants permission to the Permittee to land apply residuals as specified below, on the agricultural sites identified above and in Exhibit A. The Landowner also grants permission for DEQ staff to conduct inspections on the land identified above, before, during or after land application of permitted residuals for the purpose of determining compliance with regulatory requirements applicable to such application.


<u>Class B biosolids</u>	<u>Water treatment residuals</u>	<u>Food processing waste</u>	<u>Other industrial sludges</u>
X Yes <input type="checkbox"/> No	X Yes <input type="checkbox"/> No	X Yes <input type="checkbox"/> No	X Yes <input type="checkbox"/> No

Printed name: Paul A & Patricia A McDonald	Mailing Address 30281 Springfield Farm Ln Locust Grove, VA 22508	Landowner Signature 
By: Paul A McDonald	Phone No. <u>703 801 2064</u>	
Title* ---		
* <input type="checkbox"/> I certify that I have authority to sign for the landowner as indicated by my title as executor, Trustee or Power of attorney, etc.		
* <input type="checkbox"/> I certify that I am a responsible official [or officer] authorized to act on behalf of the following corporation, partnership, proprietorship, LLC, municipality, state or federal agency, etc.		

Permittee:

Synagro Central, LLC, the Permittee, agrees to apply biosolids and/or industrial residuals on the Landowner's land in the manner authorized by the VPA Permit Regulation and in amounts not to exceed the rates identified in the nutrient management plan prepared for each land application field by a person certified in accordance with [§10.1-104.2 of the Code of Virginia](#).

The Permittee agrees to notify the Landowner or the Landowner's designee of the proposed schedule for land application and specifically prior to any particular application to the Landowner's land. Notice shall include the source of residuals to be applied.

Printed name Jeff Douthit	Mailing Address: 1681 Tappahannock Blvd Tappahannock, VA 22560	Permittee- Authorized Representative Signature 
Title: Technical Services Specialist	Phone No.: 804-443-2071	

PLEASE SIGN BOTH PAGES

Permittee: Synagro Central, LLC

County or City: Orange

Landowner: Paul A & Patricia A McDonald

Landowner Site Management Requirements:

I, the Landowner, I have received a DEQ Biosolids Fact Sheet that includes information regarding regulations governing the land application of biosolids, the components of biosolids and proper handling and land application of biosolids.

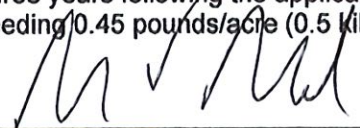
I have also been expressly advised by the Permittee that the site management requirements and site access restrictions identified below must be complied with after biosolids have been applied on my property in order to protect public health, and that I am responsible for the implementation of these practices.

I agree to implement the following site management practices at each site under my ownership following the land application of biosolids at the site:

1. Notification Signs: I will not remove any signs posted by the Permittee for the purpose of identifying my field as a biosolids land application site, unless requested by the Permittee, until at least 30 days after land application at that site is completed.
2. Public Access
 - a. Public access to land with a high potential for public exposure shall be restricted for at least one year following any application of biosolids.
 - b. Public access to land with a low potential for public exposure shall be restricted for at least 30 days following any application of biosolids. No biosolids amended soil shall be excavated or removed from the site during this same period of time unless adequate provisions are made to prevent public exposure to soil, dusts or aerosols;
 - c. Turf grown on land where biosolids are applied shall not be harvested for one year after application of biosolids when the harvested turf is placed on either land with a high potential for public exposure or a lawn, unless otherwise specified by DEQ.
3. Crop Restrictions:
 - a. Food crops with harvested parts that touch the biosolids/soil mixture and are totally above the land surface shall not be harvested for 14 months after the application of biosolids.
 - b. Food crops with harvested parts below the surface of the land shall not be harvested for 20 months after the application of biosolids when the biosolids remain on the land surface for a time period of four (4) or more months prior to incorporation into the soil,
 - c. Food crops with harvested parts below the surface of the land shall not be harvested for 38 months when the biosolids remain on the land surface for a time period of less than four (4) months prior to incorporation.
 - d. Other food crops and fiber crops shall not be harvested for 30 days after the application of biosolids;
 - e. Feed crops shall not be harvested for 30 days after the application of biosolids (60 days if fed to lactating dairy animals).
4. Livestock Access Restrictions:

Following biosolids application to pasture or hayland sites:

 - a. Meat producing livestock shall not be grazed for 30 days,
 - b. Lactating dairy animals shall not be grazed for a minimum of 60 days.
 - c. Other animals shall be restricted from grazing for 30 days;
5. Supplemental commercial fertilizer or manure applications will be coordinated with the biosolids and industrial residuals applications such that the total crop needs for nutrients are not exceeded as identified in the nutrient management plan developed by a person certified in accordance with §10.1-104.2 of the Code of Virginia;
6. Tobacco, because it has been shown to accumulate cadmium, should not be grown on the Landowner's land for three years following the application of biosolids or industrial residuals which bear cadmium equal to or exceeding 0.45 pounds/acre (0.5 kilograms/hectare).


Landowner's Signature

11/7/2023
Date

0296

**VIRGINIA POLLUTION ABATEMENT PERMIT APPLICATION
FORM D: MUNICIPAL EFFLUENT AND BIOSOLIDS**

PART D-VI: LAND APPLICATION AGREEMENT - BIOSOLIDS AND INDUSTRIAL RESIDUALS

A. This land application agreement is made on 11-7-23 between Byron P Settle Jr referred to here as "Landowner", and Synagro Central, LLC, referred to here as the "Permittee". This agreement remains in effect until it is terminated in writing by either party or, with respect to those parcels that are retained by the Landowner in the event of a sale of one or more parcels, until ownership of all parcels changes. If ownership of individual parcels identified in this agreement changes, those parcels for which ownership has changed will no longer be authorized to receive biosolids or industrial residuals under this agreement.

Landowner:

The Landowner is the owner of record of the real property located in Orange Co., Virginia, which includes the agricultural, silvicultural or reclamation sites identified below in Table 1 and identified on the tax map(s) with county documentation identifying owners, attached as Exhibit A.

Table 1.: Parcels authorized to receive biosolids, water treatment residuals or other industrial sludges			
Tax Parcel ID	Tax Parcel ID	Tax Parcel ID	Tax Parcel ID
03600000000560			

☐ Additional parcels containing Land Application Sites are identified on Supplement A (check if applicable)

Check one: ☒ The Landowner is the sole owner of the properties identified herein.
☐ The Landowner is one of multiple owners of the properties identified herein.

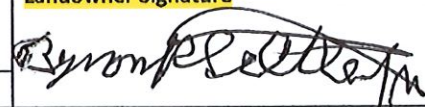
In the event that the Landowner sells or transfers all or part of the property to which biosolids have been applied within 38 months of the latest date of biosolids application, the Landowner shall:

1. Notify the purchaser or transferee of the applicable public access and crop management restrictions no later than the date of the property transfer; and
2. Notify the Permittee of the sale within two weeks following property transfer.

The Landowner has no other agreements for land application on the fields identified herein. The Landowner will notify the Permittee immediately if conditions change such that the fields are no longer available to the Permittee for application or any part of this agreement becomes invalid or the information herein contained becomes incorrect.

The Landowner hereby grants permission to the Permittee to land apply residuals as specified below, on the agricultural sites identified above and in Exhibit A. The Landowner also grants permission for DEQ staff to conduct inspections on the land identified above, before, during or after land application of permitted residuals for the purpose of determining compliance with regulatory requirements applicable to such application.


<u>Class B biosolids</u>	<u>Water treatment residuals</u>	<u>Food processing waste</u>	<u>Other industrial sludges</u>
X Yes <input type="checkbox"/> No	X Yes <input type="checkbox"/> No	X Yes <input type="checkbox"/> No	X Yes <input type="checkbox"/> No

Printed name: Byron P Settle Jr	Mailing Address 33430 Parker Rd Locust Grove, VA 22508	Landowner Signature 
By: Title* ----	Phone No. <u>540-229-7087</u>	
<input type="checkbox"/> I certify that I have authority to sign for the landowner as indicated by my title as executor, Trustee or Power of attorney, etc.		
<input type="checkbox"/> I certify that I am a responsible official [or officer] authorized to act on behalf of the following corporation, partnership, proprietorship, LLC, municipality, state or federal agency, etc.		

Permittee:

Synagro Central, LLC, the Permittee, agrees to apply biosolids and/or industrial residuals on the Landowner's land in the manner authorized by the VPA Permit Regulation and in amounts not to exceed the rates identified in the nutrient management plan prepared for each land application field by a person certified in accordance with [§10.1-104.2 of the Code of Virginia](#).

The Permittee agrees to notify the Landowner or the Landowner's designee of the proposed schedule for land application and specifically prior to any particular application to the Landowner's land. Notice shall include the source of residuals to be applied.

Printed name Jeff Douthit	Mailing Address: 1681 Tappahannock Blvd Tappahannock, VA 22560	Permittee- Authorized Representative Signature 
Title Technical Services Specialist	Phone No.: 804-443-2071	

PLEASE SIGN BOTH PAGES

Permittee: Synagro Central, LLC

County or City: Orange

Landowner: Byron P Settle Jr

Landowner Site Management Requirements:

I, the Landowner, I have received a DEQ Biosolids Fact Sheet that includes information regarding regulations governing the land application of biosolids, the components of biosolids and proper handling and land application of biosolids.

I have also been expressly advised by the Permittee that the site management requirements and site access restrictions identified below must be complied with after biosolids have been applied on my property in order to protect public health, and that I am responsible for the implementation of these practices.

I agree to implement the following site management practices at each site under my ownership following the land application of biosolids at the site:

1. Notification Signs: I will not remove any signs posted by the Permittee for the purpose of identifying my field as a biosolids land application site, unless requested by the Permittee, until at least 30 days after land application at that site is completed.
2. Public Access
 - a. Public access to land with a high potential for public exposure shall be restricted for at least one year following any application of biosolids.
 - b. Public access to land with a low potential for public exposure shall be restricted for at least 30 days following any application of biosolids. No biosolids amended soil shall be excavated or removed from the site during this same period of time unless adequate provisions are made to prevent public exposure to soil, dusts or aerosols;
 - c. Turf grown on land where biosolids are applied shall not be harvested for one year after application of biosolids when the harvested turf is placed on either land with a high potential for public exposure or a lawn, unless otherwise specified by DEQ.
3. Crop Restrictions:
 - a. Food crops with harvested parts that touch the biosolids/soil mixture and are totally above the land surface shall not be harvested for 14 months after the application of biosolids.
 - b. Food crops with harvested parts below the surface of the land shall not be harvested for 20 months after the application of biosolids when the biosolids remain on the land surface for a time period of four (4) or more months prior to incorporation into the soil,
 - c. Food crops with harvested parts below the surface of the land shall not be harvested for 38 months when the biosolids remain on the land surface for a time period of less than four (4) months prior to incorporation.
 - d. Other food crops and fiber crops shall not be harvested for 30 days after the application of biosolids;
 - e. Feed crops shall not be harvested for 30 days after the application of biosolids (60 days if fed to lactating dairy animals).
4. Livestock Access Restrictions:

Following biosolids application to pasture or hayland sites:

 - a. Meat producing livestock shall not be grazed for 30 days,
 - b. Lactating dairy animals shall not be grazed for a minimum of 60 days.
 - c. Other animals shall be restricted from grazing for 30 days;
5. Supplemental commercial fertilizer or manure applications will be coordinated with the biosolids and industrial residuals applications such that the total crop needs for nutrients are not exceeded as identified in the nutrient management plan developed by a person certified in accordance with §10.1-104.2 of the Code of Virginia;
6. Tobacco, because it has been shown to accumulate cadmium, should not be grown on the Landowner's land for three years following the application of biosolids or industrial residuals which bear cadmium equal to or exceeding 0.45 pounds/acre (0.5 kilograms/hectare).


 Landowner's Signature

11/7/23
 Date

0296

VIRGINIA POLLUTION ABATEMENT PERMIT APPLICATION

FORM D: MUNICIPAL EFFLUENT AND BIOSOLIDS

PART D-VI: LAND APPLICATION AGREEMENT - BIOSOLIDS AND INDUSTRIAL RESIDUALS

A. This land application agreement is made on 11-7-'23 between Gerald J Hoy referred to here as "Landowner", and Synagro Central, LLC, referred to here as the "Permittee". This agreement remains in effect until it is terminated in writing by either party or, with respect to those parcels that are retained by the Landowner in the event of a sale of one or more parcels, until ownership of all parcels changes. If ownership of individual parcels identified in this agreement changes, those parcels for which ownership has changed will no longer be authorized to receive biosolids or industrial residuals under this agreement.

Landowner:

The Landowner is the owner of record of the real property located in Orange Co., Virginia, which includes the agricultural, silvicultural or reclamation sites identified below in Table 1 and identified on the tax map(s) with county documentation identifying owners, attached as Exhibit A.

Table 1.: Parcels authorized to receive biosolids, water treatment residuals or other industrial sludges			
Tax Parcel ID	Tax Parcel ID	Tax Parcel ID	Tax Parcel ID
0480000000012B			
0480000000012C			
0480000000012D			

☐ Additional parcels containing Land Application Sites are identified on Supplement A (check if applicable)

Check one: ☒ The Landowner is the sole owner of the properties identified herein.
☐ The Landowner is one of multiple owners of the properties identified herein.

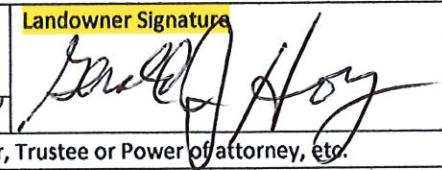
In the event that the Landowner sells or transfers all or part of the property to which biosolids have been applied within 38 months of the latest date of biosolids application, the Landowner shall:

1. Notify the purchaser or transferee of the applicable public access and crop management restrictions no later than the date of the property transfer; and
2. Notify the Permittee of the sale within two weeks following property transfer.

The Landowner has no other agreements for land application on the fields identified herein. The Landowner will notify the Permittee immediately if conditions change such that the fields are no longer available to the Permittee for application or any part of this agreement becomes invalid or the information herein contained becomes incorrect.

The Landowner hereby grants permission to the Permittee to land apply residuals as specified below, on the agricultural sites identified above and in Exhibit A. The Landowner also grants permission for DEQ staff to conduct inspections on the land identified above, before, during or after land application of permitted residuals for the purpose of determining compliance with regulatory requirements applicable to such application.

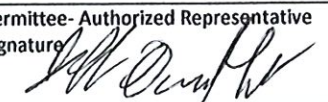
<u>Class B biosolids</u>	<u>Water treatment residuals</u>	<u>Food processing waste</u>	<u>Other industrial sludges</u>
X Yes <input type="checkbox"/> No	X Yes <input type="checkbox"/> No	X Yes <input type="checkbox"/> No	X Yes <input type="checkbox"/> No

Printed name: Gerald J Hoy	Mailing Address 13035 Marquis Rd Unionville, VA 22567	Landowner Signature 
By: Title* ----	Phone No. <u>804-623-8974</u>	
<input type="checkbox"/> I certify that I have authority to sign for the landowner as indicated by my title as executor, Trustee or Power of attorney, etc.		
<input type="checkbox"/> I certify that I am a responsible official [or officer] authorized to act on behalf of the following corporation, partnership, proprietorship, LLC, municipality, state or federal agency, etc.		

Permittee:

Synagro Central, LLC, the Permittee, agrees to apply biosolids and/or industrial residuals on the Landowner's land in the manner authorized by the VPA Permit Regulation and in amounts not to exceed the rates identified in the nutrient management plan prepared for each land application field by a person certified in accordance with [§10.1-104.2 of the Code of Virginia](#).

The Permittee agrees to notify the Landowner or the Landowner's designee of the proposed schedule for land application and specifically prior to any particular application to the Landowner's land. Notice shall include the source of residuals to be applied.

Printed name Jeff Douthit	Mailing Address: 1681 Tappahannock Blvd Tappahannock, VA 22560	Permittee- Authorized Representative Signature 
Title: Technical Services Specialist	Phone No.: 804-443-2071	

PLEASE SIGN BOTH PAGES

Permittee: Synagro Central, LLC

County or City: Orange

Landowner: Gerald J Hoy

Landowner Site Management Requirements:

I, the Landowner, I have received a DEQ Biosolids Fact Sheet that includes information regarding regulations governing the land application of biosolids, the components of biosolids and proper handling and land application of biosolids.

I have also been expressly advised by the Permittee that the site management requirements and site access restrictions identified below must be complied with after biosolids have been applied on my property in order to protect public health, and that I am responsible for the implementation of these practices.

I agree to implement the following site management practices at each site under my ownership following the land application of biosolids at the site:

1. Notification Signs: I will not remove any signs posted by the Permittee for the purpose of identifying my field as a biosolids land application site, unless requested by the Permittee, until at least 30 days after land application at that site is completed.
2. Public Access
 - a. Public access to land with a high potential for public exposure shall be restricted for at least one year following any application of biosolids.
 - b. Public access to land with a low potential for public exposure shall be restricted for at least 30 days following any application of biosolids. No biosolids amended soil shall be excavated or removed from the site during this same period of time unless adequate provisions are made to prevent public exposure to soil, dusts or aerosols;
 - c. Turf grown on land where biosolids are applied shall not be harvested for one year after application of biosolids when the harvested turf is placed on either land with a high potential for public exposure or a lawn, unless otherwise specified by DEQ.
3. Crop Restrictions:
 - a. Food crops with harvested parts that touch the biosolids/soil mixture and are totally above the land surface shall not be harvested for 14 months after the application of biosolids.
 - b. Food crops with harvested parts below the surface of the land shall not be harvested for 20 months after the application of biosolids when the biosolids remain on the land surface for a time period of four (4) or more months prior to incorporation into the soil,
 - c. Food crops with harvested parts below the surface of the land shall not be harvested for 38 months when the biosolids remain on the land surface for a time period of less than four (4) months prior to incorporation.
 - d. Other food crops and fiber crops shall not be harvested for 30 days after the application of biosolids;
 - e. Feed crops shall not be harvested for 30 days after the application of biosolids (60 days if fed to lactating dairy animals).
4. Livestock Access Restrictions:

Following biosolids application to pasture or hayland sites:

 - a. Meat producing livestock shall not be grazed for 30 days,
 - b. Lactating dairy animals shall not be grazed for a minimum of 60 days.
 - c. Other animals shall be restricted from grazing for 30 days;
5. Supplemental commercial fertilizer or manure applications will be coordinated with the biosolids and industrial residuals applications such that the total crop needs for nutrients are not exceeded as identified in the nutrient management plan developed by a person certified in accordance with §10.1-104.2 of the Code of Virginia;
6. Tobacco, because it has been shown to accumulate cadmium, should not be grown on the Landowner's land for three years following the application of biosolids or industrial residuals which bear cadmium equal to or exceeding 0.45 pounds/acre (0.5 kilograms/hectare).

Gerald J Hoy
Landowner's Signature

11/7/2023
Date

Landowner Coordination Form

This form is used by the Permittee to identify properties (tax parcels) that are authorized to receive biosolids and/or industrial residuals, and each of the legal landowners of those tax parcels. A *Land Application Agreement - Biosolids and Industrial Residuals* form with original signature must be attached for each legal landowner identified below prior to land application at the identified parcels.

Permittee: Synagro Central, LLC

County or City: Orange (OR 14)

Please Print

(Landowner signatures are not required on this page)

<u>Tax Parcel ID(s)</u>	<u>Landowner(s)</u>
03600000000400	ROBERT M & MELISSA L CHAMBERS JR
03600000000410	ROBERT M & MELISSA L CHAMBERS JR
03600000000420	ROBERT M & MELISSA L CHAMBERS JR
03600000000430	MELISSA L CHAMBERS
03600000000310	MELISSA L CHAMBERS
0360000000031J	MELISSA L CHAMBERS
0360000000031K	MELISSA L CHAMBERS
0360000000031L	MELISSA L CHAMBERS
02100000000070	PAUL A & PATRICIA A McDONALD
03600000000560	BYRON P SETTLE JR
0480000000012B	GERALD J HOY
0480000000012C	GERALD J HOY
0480000000012D	GERALD J HOY

11/21/2023

Termination of Land Application Agreement – Biosolids and Industrial Residuals

Current Permittee Name: Synagro Central, LLC

County: Orange

I, Gerald J Hoy, hereby terminate the "Land Application Agreement –
(Landowner)

Biosolids and Industrial Residuals" executed on — between myself and
(Date, if known)

Recyc, Inc pertaining to the land application of permitted
(Current Permittee Name)

biosolids/residuals on the parcel(s) identified below:

Tax Parcel ID	Tax Parcel ID	Tax Parcel ID
048 00000000 12B		
048 00000000 12C		
048 00000000 12D		

X A copy of this termination of Land Application Agreement has been sent to the current permittee named above.

Gerald J Hoy
Landowner – Printed Name

Gerald J Hoy
Landowner's Signature

11/7/23
Date

Termination of Land Application Agreement – Biosolids and Industrial Residuals

Current Permittee Name: Synagro Central, LLC

County: Orange

I, Paul A & Patricia A McDonald, hereby terminate the "Land Application Agreement –
(Landowner)

Biosolids and Industrial Residuals" executed on _____ between myself and
(Date, if known)

Recyc, Inc pertaining to the land application of permitted
(Current Permittee Name)

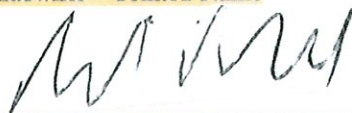
biosolids/residuals on the parcel(s) identified below:

Tax Parcel ID	Tax Parcel ID	Tax Parcel ID
02100000000070		

X A copy of this termination of Land Application Agreement has been sent to the current permittee named above.

Paul A McDonald

Landowner – Printed Name



Landowner's Signature

11-7-'23

Date

OR96

Termination of Land Application Agreement – Biosolids and Industrial Residuals

Current Permittee Name: Synagro Central, LLC

County: Orange

I, Paul A & Patricia A McDonald, hereby terminate the "Land Application Agreement –
(Landowner)

Biosolids and Industrial Residuals" executed on between myself and
(Date, if known)

Recyc, Inc pertaining to the land application of permitted
(Current Permittee Name)

biosolids/residuals on the parcel(s) identified below:

Tax Parcel ID	Tax Parcel ID	Tax Parcel ID
02100000000070		

X A copy of this termination of Land Application Agreement has been sent to the current permittee named above.

Patricia A McDonald
Landowner – Printed Name


Landowner's Signature

11/7/23
Date

Termination of Land Application Agreement – Biosolids and Industrial Residuals

Current Permittee Name: Synagro Central, LLCCounty: OrangeI, Robert M + Melissa L Chambers hereby terminate the "Land Application Agreement –
(Landowner)Biosolids and Industrial Residuals" executed on --- between myself and
(Date, if known)Recyc, Inc. pertaining to the land application of permitted
(Current Permittee Name)

biosolids/residuals on the parcel(s) identified below:

Tax Parcel ID	Tax Parcel ID	Tax Parcel ID
036 0000000 400		
036 0000000 416		
036 0000000 420		

X A copy of this termination of Land Application Agreement has been sent to the current permittee named above.

Robert M Chambers

Landowner – Printed Name

Landowner's Signature

10-23-'23
Date

0R96

Termination of Land Application Agreement – Biosolids and Industrial Residuals

Current Permittee Name: Synagro Central, LLC

County: Orange

I, Robert M Jr & Melissa L Chambers hereby terminate the "Land Application Agreement –
(Landowner)

Biosolids and Industrial Residuals" executed on --- between myself and
(Date, if known)

Recyc, Inc. pertaining to the land application of permitted
(Current Permittee Name)

biosolids/residuals on the parcel(s) identified below:

Tax Parcel ID	Tax Parcel ID	Tax Parcel ID
036 0000 0000 400		
036 0000 0000 410		
036 0000 0000 420		

X A copy of this termination of Land Application Agreement has been sent to the current permittee named above.

Melissa L Chambers
Landowner – Printed Name

Melissa L. Chambers
Landowner's Signature

10-23-2023
Date

Termination of Land Application Agreement – Biosolids and Industrial Residuals

Current Permittee Name: Synagro Central, LLCCounty: OrangeI, Melissa L. Chambers hereby terminate the "Land Application Agreement –
(Landowner)Biosolids and Industrial Residuals" executed on --- between myself and
(Date, if known)Recyc, Inc. pertaining to the land application of permitted
(Current Permittee Name)

biosolids/residuals on the parcel(s) identified below:

Tax Parcel ID	Tax Parcel ID	Tax Parcel ID
036 0000 0000 430		
036 0000 0000 310		
036 0000 0000 31J		
036 0000 0000 31K		
036 0000 0000 31L		

X A copy of this termination of Land Application Agreement has been sent to the current permittee named above.

Melissa L Chambers

Landowner – Printed Name

Melissa L. Chambers

Landowner's Signature

10-23-2023

Date

PROPERTY

Parcel Information

Parcel Record Number (PRN) **5850** Town/District **GORDON**Account Name **MCDONALD, PAUL A & PATRICIA A**

Account Name2

Care Of

Address1 **30281 SPRINGFIELD FARM LN**

Address2

City, State Zip **LOCUST GROVE, VA 22508**

Business Name

30281 SPRINGFIELD FARM LN

Location Address(es)

30399 SPRINGFIELD FARM LN

Assessed Values

Type	Current Value	Previous Value
Land Use	\$227,400	\$227,400
Land	\$890,800	\$890,800
Main Structures	\$510,200	\$510,200
Other Structures	\$72,400	\$72,400
TOTALS	\$1,473,400	\$1,473,400

Map Number

Map Insert	Double Circle	Block	Parcel Number
02100	00	00	00070

Total Acres **347.102**Deed **DB-2011-2448**

Additional Deed

Will **NONE**Plat **NONE**

Additional Plat

Route

Legal Desc 1 **21-7 BLEDSOE**Legal Desc 2 **DB#180001985 Q-72-74**Zoning **A; AGRICULTURAL**State Class **AGR/UNDEV 100 UP ACR**Topology **SLOPES UP**Utilities **NONE**

Sales History

Grantor	Sale Price	Instrument	Supporting Document Number	Number of Tracts	Sale Date
HOY, GERALD J	\$1,103,776	DEED BOOK-2011-2448		1	04/05/2011

PROPERTY

Parcel Information

Parcel Record Number (PRN) **22055** Town/District **TAYLOR**

Account Name **HOY, GERALD J**

Account Name2

Care Of

Address1 **13035 MARQUIS RD**

Address2

City, State Zip **UNIONVILLE, VA 22567**

Business Name

Assessed Values

Type	Current Value	Previous Value
Land	\$29,500	\$29,500
Main Structures	\$0	\$0
Other Structures	\$0	\$0
TOTALS	\$29,500	\$29,500

Location Address(es) No data to display

Map Number

Map Insert	Double Circle	Block	Parcel Number
04800	00	00	0012D

Total Acres **2.001**

Deed **NONE**

Additional Deed

Will **NONE**

Plat **PM-19-0001982**

Additional Plat

Route

Legal Desc 1 **48-12D STEWART**

Legal Desc 2 **LOT 2 ON PLAT Q-206**

Zoning **A; AGRICULTURAL**

State Class **AGR/UNDEV 100 UP ACR**

Topology **ROLLING /SLOPING**

Utilities **NONE**

Sales History

Grantor	Sale Price	Instrument	Supporting Document Number	Number of Tracts	Sale Date
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No data to display

Land Segments

PROPERTY

Parcel Information

Parcel Record Number (PRN) **22054** Town/District **TAYLOR**
 Account Name **HOY, GERALD J**
 Account Name2
 Care Of
 Address1 **13035 MARQUIS RD**
 Address2
 City, State Zip **UNIONVILLE, VA 22567**
 Business Name

Assessed Values

Type	Current Value	Previous Value
Land	\$29,500	\$29,500
Main Structures	\$0	\$0
Other Structures	\$0	\$0
TOTALS	\$29,500	\$29,500

Location Address(es) No data to display

Map Number

Map Insert	Double Circle	Block	Parcel Number
04800	00	00	0012C

Total Acres **2.001**
 Deed **NONE**
 Additional Deed
 Will **NONE**
 Plat **PM-19-0001982**
 Additional Plat
 Route
 Legal Desc 1 **48-12C STEWART**
 Legal Desc 2 **LOT 1 ON PLAT Q-205**
 Zoning **A; AGRICULTURAL**
 State Class **AGR/UNDEV 100 UP ACR**
 Topology **ROLLING /SLOPING**
 Utilities **NONE**

Sales History

Grantor	Sale Price	Instrument	Supporting Document Number	Number of Tracts	Sale Date
No data to display					

Land Segments

PROPERTY

Parcel Information

Parcel Record Number (PRN) **21973** Town/District **TAYLOR**

Account Name **HOY, GERALD J**

Account Name2

Care Of

Address1 **13035 MARQUIS RD**

Address2

City, State Zip **UNIONVILLE, VA 22567**

Business Name

Location Address(es) **0 MARQUIS RD**

Assessed Values

Type	Current Value	Previous Value
Land Use	\$70,300	\$84,200
Land	\$287,500	\$349,900
Main Structures	\$0	\$0
Other Structures	\$0	\$0
TOTALS	\$287,500	\$349,900

Map Number

Map Insert	Double Circle	Block	Parcel Number
04800	00	00	0012B

Total Acres **114.997**

Deed **DB-2018-2235**

Additional Deed

Will **NONE**

Plat **NONE**

Additional Plat

Route

Legal Desc 1 **48-12B STEWART**

Legal Desc 2 **RESIDUE ON PLAT S-8**

Zoning **A; AGRICULTURAL**

State Class **AGR/UNDEV 100 UP ACR**

Topology **ROLLING /SLOPING**

Utilities **NONE**

Sales History

Grantor	Sale Price	Instrument	Supporting Document Number	Number of Tracts	Sale Date
HOY, GERALD J & LAURA A HOY	\$500,000	DEED BOOK-2018- 2235	PM#190001982 Q-205	3	05/16/2018
HOY, GERALD J & LAURA A HOY	\$500,000	DEED BOOK-2018- 2235	PM#190001982 Q-205	3	05/16/2018

PROPERTY

Parcel Information

Parcel Record Number (PRN) **8219** Town/District **GORDON**Account Name **SETTLE, BYRON P JR**

Account Name2

Care Of

Address1 **33430 PARKER RD**

Address2

City, State Zip **LOCUST GROVE, VA 22508**

Business Name

Location Address(es) **32184 SETTLES LN**

Assessed Values

Type	Current Value	Previous Value
Land Use	\$97,200	\$97,200
Land	\$271,800	\$271,800
Main Structures	\$111,000	\$111,000
Other Structures	\$17,900	\$17,900
TOTALS	\$400,700	\$400,700

Map Number

Map Insert	Double Circle	Block	Parcel Number
03600	00	00	00560

Total Acres **116.9**Deed **DB-602-482**

Additional Deed

Will **NONE**Plat **NONE**

Additional Plat

Route

Legal Desc 1 **36-56 HERNDON**

Legal Desc 2

Zoning **A; AGRICULTURAL**State Class **AGR/UNDEV 100 UP ACR**Topology **SLOPES UP**Utilities **NONE**

Sales History

Grantor	Sale Price	Instrument	Supporting Document Number	Number of Tracts	Sale Date
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No data to display

Land Segments

ORd6

PROPERTY

Parcel Information

Parcel Record Number (PRN) **8168** Town/District **GORDON**
 Account Name **CHAMBERS, MELISSA L**
 Account Name2
 Care Of
 Address1 **33285 MASON RD**
 Address2
 City, State Zip **LOCUST GROVE, VA 22508**
 Business Name
 Location Address(es) **0 GOLD DALE LN**

Assessed Values

Type	Current Value	Previous Value
Land	\$56,300	\$56,300
Main Structures	\$0	\$0
Other Structures	\$0	\$0
TOTALS	\$56,300	\$56,300

Map Number

Map Insert	Double Circle	Block	Parcel Number
03600	00	00	00310

Total Acres **5.259**
 Deed **DB-03-0006825**
 Additional Deed
 Will **NONE**
 Plat **NONE**
 Additional Plat
 Route
 Legal Desc 1 **36-31 GOLD DALE SUB**
 Legal Desc 2 **LOT 1 ON PLAT K-152**
 Zoning **A; AGRICULTURAL**
 State Class **AGR/UNDEV 20-99 ACR**
 Topology **SLOPES UP**
 Utilities **NONE**

Sales History

Grantor	Sale Price	Instrument	Supporting Document Number	Number of Tracts	Sale Date
	\$0	UNKNOWN-2003-6825		2	07/02/2003

Land Segments

PROPERTY

Parcel Information

Parcel Record Number (PRN) **19862** Town/District **GORDON**

Account Name **CHAMBERS, MELISSA L**

Account Name2

Care Of

Address1 **33285 MASON RD**

Address2

City, State Zip **LOCUST GROVE, VA 22508**

Business Name

Location Address(es) **0 GOLD DALE LN**

Assessed Values

Type	Current Value	Previous Value
Land	\$55,300	\$55,300
Main Structures	\$0	\$0
Other Structures	\$0	\$0
TOTALS	\$55,300	\$55,300

Map Number

Map Insert	Double Circle	Block	Parcel Number
03600	00	00	0031J

Total Acres **5.055**

Deed **NONE**

Additional Deed

Will **NONE**

Plat **PM-2005-2760**

Additional Plat

Route

Legal Desc 1 **36-31J GOLD DALE SUBDIV**

Legal Desc 2 **LOT 2 ON PLAT K-152**

Zoning **A; AGRICULTURAL**

State Class **SINGLE FAMILY SUBURB**

Topology **ROLLING /SLOPING**

Utilities **NONE**

Sales History

Grantor	Sale Price	Instrument	Supporting Document Number	Number of Tracts	Sale Date
	\$0	PLAT MAP-2005-2760	DB#030006825	3	03/15/2005

Land Segments

Seg	Description	Size	AdjRate	Value	Water	Sewer
-----	-------------	------	---------	-------	-------	-------

PROPERTY

Parcel Information

Parcel Record Number (PRN) **19863** Town/District **GORDON**

Account Name **CHAMBERS, MELISSA L**

Account Name2

Care Of

Address1 **33285 MASON RD**

Address2

City, State Zip **LOCUST GROVE, VA 22508**

Business Name

Location Address(es) **0 GOLD DALE LN**

Assessed Values

Type	Current Value	Previous Value
Land	\$48,700	\$48,700
Main Structures	\$0	\$0
Other Structures	\$0	\$0
TOTALS	\$48,700	\$48,700

Map Number

Map Insert	Double Circle	Block	Parcel Number
03600	00	00	0031K

Total Acres **3.733**

Deed **NONE**

Additional Deed

Will **NONE**

Plat **PM-2005-2760**

Additional Plat

Route

Legal Desc 1 **36-31K GOLD DALE SUBDIV**

Legal Desc 2 **LOT 3 ON PLAT K-152**

Zoning **A; AGRICULTURAL**

State Class **SINGLE FAMILY SUBURB**

Topology **ROLLING /SLOPING**

Utilities **NONE**

Sales History

Grantor	Sale Price	Instrument	Supporting Document Number	Number of Tracts	Sale Date
	\$0	PLAT MAP-2005-2760	DB#030006825	3	03/15/2005

Land Segments

Seg	Description	Size	AdjRate	Value	Water	Sewer
-----	-------------	------	---------	-------	-------	-------

PROPERTY

Parcel Information

Parcel Record Number (PRN) **19864** Town/District **GORDON**

Account Name **CHAMBERS, MELISSA L**

Account Name2

Care Of

Address1 **33285 MASON RD**

Address2

City, State Zip **LOCUST GROVE, VA 22508**

Business Name

Location Address(es) **0 GOLD DALE LN**

Assessed Values

Type	Current Value	Previous Value
Land	\$45,000	\$45,000
Main Structures	\$0	\$0
Other Structures	\$0	\$0
TOTALS	\$45,000	\$45,000

Map Number

Map Insert	Double Circle	Block	Parcel Number
03600	00	00	0031L

Total Acres **3.001**

Deed **NONE**

Additional Deed

Will **NONE**

Plat **PM-2005-2760**

Additional Plat

Route

Legal Desc 1 **36-31L GOLD DALE SUBDIV**

Legal Desc 2 **LOT X ON PLAT**

Zoning **A; AGRICULTURAL**

State Class **SINGLE FAMILY SUBURB**

Topology **ROLLING /SLOPING**

Utilities **NONE**

Sales History

Grantor	Sale Price	Instrument	Supporting Document Number	Number of Tracts	Sale Date
	\$0	PLAT MAP-2005-2760	DB#030006825	3	03/15/2005

Land Segments

Seg	Description	Size	AdjRate	Value	Water	Sewer
-----	-------------	------	---------	-------	-------	-------

PROPERTY

Parcel Information

Parcel Record Number (PRN) **8189** Town/District **GORDON**
 Account Name **CHAMBERS, ROBERT M JR & MELISSA L**
 Account Name2
 Care Of
 Address1 **33285 MASON RD**
 Address2
 City, State Zip **LOCUST GROVE, VA 22508**
 Business Name
 Location Address(es) **0 GOLD DALE LN**

Assessed Values

Type	Current Value	Previous Value
Land Use	\$63,800	\$63,800
Land	\$279,400	\$279,400
Main Structures	\$0	\$0
Other Structures	\$0	\$0
TOTALS	\$279,400	\$279,400

Map Number

Map Insert	Double Circle	Block	Parcel Number
03600	00	00	00420

Total Acres **111.75**Deed **DB-597-42**

Additional Deed

Will **NONE**Plat **NONE**

Additional Plat

Route

Legal Desc 1 **36-42 MASON**

Legal Desc 2

Zoning **A; AGRICULTURAL**State Class **AGR/UNDEV 100 UP ACR**Topology **ROLLING /SLOPING**Utilities **NONE**

Sales History

Grantor	Sale Price	Instrument	Supporting Document Number	Number of Tracts	Sale Date
---------	------------	------------	----------------------------	------------------	-----------

No data to display

Land Segments

PROPERTY

Parcel Information

Parcel Record Number (PRN) **8188** Town/District **GORDON**

Account Name **CHAMBERS, ROBERT M JR & MELISSA L**

Account Name2

Care Of

Address1 **33285 MASON RD**

Address2

City, State Zip **LOCUST GROVE, VA 22508**

Business Name

Location Address(es) **33285 MASON RD**

Assessed Values

Type	Current Value	Previous Value
Land	\$69,000	\$69,000
Main Structures	\$359,900	\$359,900
Other Structures	\$22,800	\$22,800
TOTALS	\$451,700	\$451,700

Map Number

Map Insert	Double Circle	Block	Parcel Number
03600	00	00	00410

Total Acres **8.0**

Deed **DB-597-42**

Additional Deed

Will **NONE**

Plat **NONE**

Additional Plat

Route

Legal Desc 1 **36-41 WHITSHIRE**

Legal Desc 2 **PC J-154**

Zoning **A; AGRICULTURAL**

State Class **SINGLE FAMILY SUBURB**

Topology **LEVEL**

Utilities **NONE**

Sales History

Grantor	Sale Price	Instrument	Supporting Document Number	Number of Tracts	Sale Date
---------	------------	------------	----------------------------	------------------	-----------

No data to display

Land Segments

PROPERTY

Parcel Information

Parcel Record Number (PRN) **8187** Town/District **GORDON**
 Account Name **CHAMBERS, ROBERT M JR & MELISSA L**
 Account Name2
 Care Of
 Address1 **33285 MASON RD**
 Address2
 City, State Zip **LOCUST GROVE, VA 22508**
 Business Name
 Location Address(es) **33142 MASON RD**

Assessed Values

Type	Current Value	Previous Value
Land Use	\$63,800	\$63,800
Land	\$306,000	\$306,000
Main Structures	\$0	\$0
Other Structures	\$425,100	\$425,100
TOTALS	\$731,100	\$731,100

Map Number

Map Insert	Double Circle	Block	Parcel Number
03600	00	00	00400

Total Acres **102.0**
 Deed **DB-597-42**
 Additional Deed
 Will **NONE**
 Plat **NONE**
 Additional Plat
 Route
 Legal Desc 1 **36-40 WILTSHIRE**
 Legal Desc 2
 Zoning **A; AGRICULTURAL**
 State Class **AGR/UNDEV 100 UP ACR**
 Topology **SLOPES UP**
 Utilities **NONE**

Sales History

Grantor	Sale Price	Instrument	Supporting Document Number	Number of Tracts	Sale Date
---------	------------	------------	----------------------------	------------------	-----------

No data to display

Land Segments

PROPERTY

Parcel Information

Parcel Record Number (PRN) **8190** Town/District **GORDON**Account Name **CHAMBERS, MELISSA L**

Account Name2

Care Of

Address1 **33285 MASON RD**

Address2

City, State Zip **LOCUST GROVE, VA 22508**

Business Name

Location Address(es) **0 MASON RD**

Assessed Values

Type Current Value Previous Value

Land Use **\$111,900** **\$111,900**Land **\$510,300** **\$510,300**Main Structures **\$0** **\$0**Other Structures **\$0** **\$0**TOTALS **\$510,300** **\$510,300**

Map Number

Map Insert	Double Circle	Block	Parcel Number
03600	00	00	00430

Total Acres **170.116**Deed **DB-03-0006825**

Additional Deed

Will **NONE**Plat **NONE**

Additional Plat

Route

Legal Desc 1 **36-43 WILTSHIRE**

Legal Desc 2

Zoning **A; AGRICULTURAL**State Class **AGR/UNDEV 100 UP ACR**Topology **SLOPES UP**Utilities **NONE**

Sales History

Grantor	Sale Price	Instrument	Supporting Document Number	Number of Tracts	Sale Date
	\$0	UNKNOWN-2003-6825		2	07/02/2003

Land Segments

<u>PIN`</u>	<u>NAME</u>	<u>ADDRESS</u>	<u>CITY/STATE/ZIP</u>	<u>STATE</u>	<u>ZIP</u>
2100000000030	URCUYO, MARCO V &	1843 ABBOTSFORD DR	VIENNA	VA	22182
2100000000040	PRASSE, JOAN M	31164 ZOAR RD	LOCUST GROVE	VA	22580
2100000000080	BLEDSON, GERALDINE M	30567 OLD OFFICE RD	LOCUST GROVE	VA	22508
2100000000110	SIMPSON, CRAIG M & MARY E	29443 FRIENDSHIP LN	RHOADESVILLE	VA	22542
2100070000040	CASTRO CASTANEDA, DAVID &	5105 QUEENSBURY CIR	FREDERICKSBURG	VA	22407
2100080000010	CHAVEZ, ARISTEO SR & ESTEBAN CHAVEZ	P O BOX 1428	LOCUST GROVE	VA	22508
2100080000030	CHAVEZ, ARISTEO SR & ESTEBAN CHAVEZ	P O BOX 1425	LOCUST GROVE	VA	22508
2100080000040	DELANEY, JAMES J & AMY N DELANEY	20741 SNOWPINE PL	ASHBURN	VA	20147
36000000000460	COPENHAVER, LAURA M	32538 CHILDRESS RD	MINE RUN	VA	22508
36000000000470	CROCKETT, MICHAEL	9127 GOLD DALE ROAD	LOCUST GROVE	VA	22508
36000000000570	TUCKER, JAMES P III &	32330 CHILDRESS RD	LOCUST GROVE	VA	22508
36000000000590	TUCKER, JAMES P III &	32330 CHILDRESS RD	LOCUST GROVE	VA	22508
37000000000020	BARNES, R WILLIAM & PATRICIA R	482 PROMISED LAND LN	LOCUST GROVE	VA	22508
47000000000200	SMITH, KEVIN E & STACEY BAUGHAN	12387 MARQUIS RD	UNIONVILLE	VA	22567
47000000000210	SHELTON, GORDON E JR	24162 SHELTON LN	UNIONVILLE	VA	22567
47000000000220	PALMER, STEPHEN A & THEODOSIA	P O BOX 335	PORT HAYWOOD	VA	23138
47000000000700	MURPHY, TIMOTHY P	13050 MARQUIS RD	UNIONVILLE	VA	22567
48000000000090	BROWN, DARRYL J & KECIA M PIEDRA &	41 HARRINGTON CIR	WILLINGBORO	NJ	08046
48000000000120	HOY, LAURA A	13035 MARQUIS RD	UNIONVILLE	VA	22567
48000000000140	COCKRILL, PATRICIA A	24161 COCKRILL FARM LN	UNIONVILLE	VA	22567
48000300000070	SONA INC	107 JULIAD CT #104	FREDERICKSBURG	VA	22406
48000300000080	HOY, GERALD J	13035 MARQUIS RD	UNIONVILLE	VA	22567
48000300000090	HOY, GERALD J	13035 MARQUIS RD	UNIONVILLE	VA	22567
48000300000100	SONA INC	107 JULIAD CT #104	FREDERICKSBURG	VA	22406
48000300000110	SONA INC	107 JULIAD CT #104	FREDERICKSBURG	VA	22406
48000300000120	SONA INC	107 JULIAD CT #104	FREDERICKSBURG	VA	22406
02100000000007T	TANNER, TONI J	6542 SOUTHFORK LN	LOCUST GROVE	VA	22508
02100000000011A	KIYONAGA, JOHN C TRUSTEE &	600 CAMERON ST	ALEXANDRIA	VA	22314
02100000000022B	ERNST, W EUGENE & THOMAS ERNST TRS	29471 OLD OFFICE ROAD	RHOADESVILLE	VA	22542
02100000000044C	BISHOP, A LEE & SHIRLEY L	30494 OLD OFFICE RD	LOCUST GROVE	VA	22508
02100000000044J	NELSON, TAMARA R	32025 INDIANTOWN RD	LOCUST GROVE	VA	22508
03600000000044F	BEVERIDGE, JEREMY G & MELANNIE D	8475 GOLD DALE RD	LOCUST GROVE	VA	22508

<u>PIN</u>	<u>NAME</u>	<u>ADDRESS</u>	<u>CITY/STATE/ZIP</u>	<u>STATE</u>	<u>ZIP</u>
0360000000044G	BEVERIDGE, JEREMY G & MELANNIE D	8475 GOLD DALE RD	LOCUST GROVE	VA	22508
0360000000044H	BEVERIDGE, JEREMY G & MELANNIE D	8475 GOLD DALE RD	LOCUST GROVE	VA	22508
0360000000044J	BEVERIDGE, JEREMY G & MELANNIE D	8475 GOLD DALE RD	LOCUST GROVE	VA	22508
0360000000044K	DOMINGUEZ, VIRGINIA	8491 GOLD DALE RD	MINE RUN	VA	22508
0360000000044L	SUMBILLO, JOSEPH N & JEFFREY SUMBILLO & IMELDA QUIZON	8555 GOLD DALE RD	LOCUST GROVE	VA	22508
0360000000044M	ENY, ERIC A & MEGAN A ENY	33017 RIVER MILL RD	RICHARDSVILLE	VA	22736
0360000000045C	LAYMON, WILLIAM JR & JOANNE	9034 GOLD DALE ROAD	LOCUST GROVE	VA	22508
0360000000045D	SCHULTZ, BRAD P & LINDSEY ANN	33150 HUMMINGBIRD LN	LOCUST GROVE	VA	22508
0360000000046A	SCHUMACHER, SANDRA G & ROY D	9146 GOLD DALE RD	LOCUST GROVE	VA	22508
0360000000046B	LLOYD, CATHY S ET ALS	9260 GOLD DALE RD	MINE RUN	VA	22508
0360000000046C	ROAD FRONTAGE LLC	9230 GOLD DALE RD	LOCUST GROVE	VA	22508
0360000000057B	WILDE, JANE R TRUSTEE	32410 CHILDRESS RD	LOCUST GROVE	VA	22508
0360000000057C	WHIPPLE, LEWIS ALBERT JR & LYNDA J	32283 CHILDRESS RD	LOCUST GROVE	VA	22508
0360000000057D	STONE, CLAUDETTE E	32457 CHILDRESS RD	LOCUST GROVE	VA	22508
0360000000057E	KULP, DAVID R & JOYCE L	32437 CHILDRESS RD	MINE RUN	VA	22508
0470000000012B	BRUBAKER, AARON JOEL &	12522 MARQUIS RD	UNIONVILLE	VA	22567
0470000000022B	PERKINS, LOVELL A &	8391 OLD SOMERSET RD	SOMERSET	VA	22972
0470000000022E	WOODWARD, CODY RAY &	12430 MARQUIS RD	UNIONVILLE	VA	22567
0470000000022F	LOHR, KENNETH S	667 GOOD HOPE CHURCH RD	ARODA	VA	22709
0470000000071B	MURPHY, TIMOTHY P	13050 MARQUIS RD	UNIONVILLE	VA	22567
0470000000071C	BEALES, KIMBERLEY IDELL	13084 MARQUIS RD	UNIONVILLE	VA	22567
0480000000008B	SHELTON, GORDON E JR	24162 SHELTON LN	UNIONVILLE	VA	22567

TAX ID LANDOWNER IDENTIFICATION SHEET

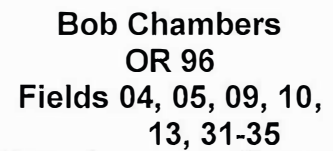
Landowner	Field Number	Tax ID
Robert M. & Melissa L. Chambers	96-04	03600000000400
		03600000000410
Robert M. & Melissa L. Chambers	96-05	03600000000400
Melissa L. Chambers	96-09	03600000000430
Melissa L. Chambers	96-10	03600000000430
Melissa L. Chambers	96-13	03600000000310
		0360000000031J
		0360000000031K
		0360000000031L
Paul A. & Patricia A. McDonald	96-14	02100000000700
Paul A. & Patricia A. McDonald	96-15	02100000000700
Paul A. & Patricia A. McDonald	96-16	02100000000700
Paul A. & Patricia A. McDonald	96-17	02100000000700
Paul A. & Patricia A. McDonald	96-18	02100000000700
Paul A. & Patricia A. McDonald	96-19	02100000000700
Paul A. & Patricia A. McDonald	96-20	02100000000700
Paul A. & Patricia A. McDonald	96-21	02100000000700
Paul A. & Patricia A. McDonald	96-22	02100000000700
Byron P. Settle, Jr.	96-31	03600000000560
Robert M. & Melissa L. Chambers	96-32	03600000000400
Melissa L. Chambers		03600000000410
Robert M. & Melissa L. Chambers	96-33	03600000000400
Melissa L. Chambers		03600000000430
Melissa L. Chambers	96-34	03600000000430
Melissa L. Chambers	96-35	03600000000430
Gerald J. Hoy	96-36	0480000000012B
		0480000000012C
		0480000000012D

Field Number	Latitude (North)	Longitude (West)
96-04	38.274°	-77.794°
96-05	38.274°	-77.797°
96-09	38.274°	-77.804°
96-10	38.272°	-77.804°
96-13	38.265°	-77.804°
96-14	38.314°	-77.840°
96-15	38.314°	-77.842°
96-16	38.316°	-77.842°
96-17	38.315°	-77.842°
96-18	38.317°	-77.846°
96-19	38.317°	-77.850°
96-20	38.316°	-77.849°
96-21	38.316°	-77.851°
96-22	38.317°	-77.852°
96-31	38.274°	-77.811°
96-32	38.276°	-77.801°
96-33	38.275°	-77.802°
96-34	38.276°	-77.806°
96-35	38.281°	-77.806°
96-36	38.227°	-77.957°

*Latitude and Longitude are a random point determined by ArcView program

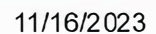
Haul Route:

The Location maps in conjunction with the above latitude and longitude coordinates are a route planning tool meant to be a guide to indicate suggested haul routes for various preferences: to include but not limited to all federal, state, and local granted STAA access routes.



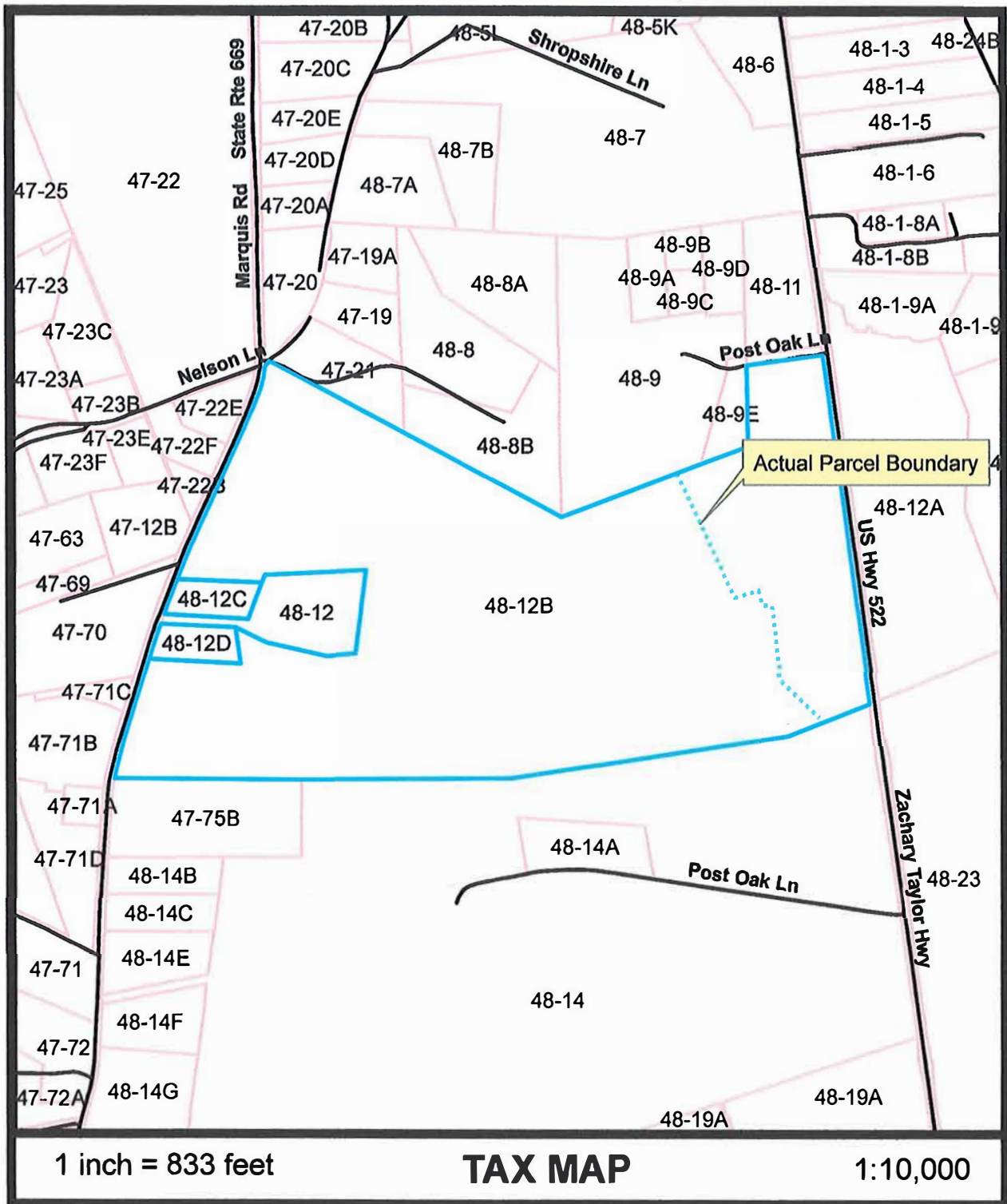
Disclaimer: Information shown on these maps are derived from public records that are constantly undergoing change and do not replace a site survey, and is not warranted for content or accuracy. The County does not guarantee the positional or thematic accuracy of the GIS data. The GIS data or cartographic digital files are not legal representation of any of the features in which it depicts, and disclaims any assumption of the legal status of which it represents.





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11/16/2023



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Farm Summary Report

Plan: **New Plan** **Fall, 2023 - Winter, 2024**

Farm Name: **Brooke Farms**
 Location: Orange
 Specialist: Jeffery R Douthit
 N-based Acres: 483.5
 P-based Acres: 0.0

Tract Name: **2538**
 FSA Number: 0
 Location: Orange

Field Name: **96-04**
 Total Acres: 19.30 Usable Acres: 19.30
 FSA Number: 0
 Tract: 2538
 Location: Orange
 Slope Class: B Hydrologic Group: C

Riparian buffer width: 0 ft
 Distance to stream: 0 ft

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE	PH	P	K	Lab
	[NO TEST]			

Soils:

PERCENT	SYMBOL	SOIL SERIES
40	NsB2	Nason
34	NsC2	Nason
26	TsB2	Tatum

Field Warnings:

Field Name: 96-05

Total Acres: 8.00 Usable Acres: 8.00

FSA Number: 0

Tract: 2538

Location: Orange

Slope Class: B Hydrologic Group: C

Riparian buffer width: 0 ft

Distance to stream: 0 ft

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE	PH	P	K	Lab
	[NO TEST]			

Soils:

PERCENT	SYMBOL	SOIL SERIES
39	LgB	Lignum
25	NsB2	Nason
9	NsC2	Nason
4	TsB2	Tatum
23	WoB	Worsham

Field Warnings:

Field Name: 96-09

Total Acres: 15.60 Usable Acres: 15.60

FSA Number: 0

Tract: 2538

Location: Orange

Slope Class: B Hydrologic Group: C

Riparian buffer width: 0 ft

Distance to stream: 0 ft

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE	PH	P	K	Lab
	[NO TEST]			

Soils:

PERCENT	SYMBOL	SOIL SERIES
2	LgB	Lignum
59	NsB2	Nason
25	NsC2	Nason
14	TsB2	Tatum

Field Warnings:

Field Name: 96-10

Total Acres: 10.30 Usable Acres: 10.30

FSA Number: 0

Tract: 2538

Location: Orange

Slope Class: C Hydrologic Group: C

Riparian buffer width: 0 ft

Distance to stream: 0 ft

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE	PH	P	K	Lab
	[NO TEST]			

Soils:

PERCENT	SYMBOL	SOIL SERIES
7	LgB	Lignum
40	NsB2	Nason
53	NsC2	Nason

Field Warnings:

Field Name: 96-13

Total Acres: 12.70 Usable Acres: 12.70

FSA Number: 0

Tract: 2538

Location: Orange

Slope Class: B Hydrologic Group: C

Riparian buffer width: 0 ft

Distance to stream: 0 ft

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE	PH	P	K	Lab
	[NO TEST]			

Soils:

PERCENT	SYMBOL	SOIL SERIES
66	NaB2	Nason
8	NaC2	Nason
26	TsB2	Tatum

Field Warnings:

Tract Name: 1420

FSA Number: 0

Location: Orange

Field Name: 96-14

Total Acres: 6.80 Usable Acres: 6.80

FSA Number: 0

Tract: 1420

Location: Orange

Slope Class: C Hydrologic Group: B

Riparian buffer width: 0 ft

Distance to stream: 0 ft

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE	PH	P	K	Lab
	[NO TEST]			

Soils:

PERCENT	SYMBOL	SOIL SERIES
8	LgB	Lignum
13	MrD	Manteo
16	NsC	Nason
59	TsB2	Tatum
4	TsC2	Tatum

Field Warnings:

Field Name: 96-15

Total Acres: 14.50 Usable Acres: 14.50

FSA Number: 0

Tract: 1420

Location: Orange

Slope Class: C Hydrologic Group: B

Riparian buffer width: 0 ft

Distance to stream: 0 ft

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE	PH	P	K	Lab
	[NO TEST]			

Soils:

PERCENT	SYMBOL	SOIL SERIES
7	LgB	Lignum
5	MrD	Manteo
1	TsB	Tatum
39	TsB2	Tatum
48	TsC2	Tatum

Field Warnings:

Field Name: 96-16

Total Acres: 14.40 Usable Acres: 14.40

FSA Number: 0

Tract: 1420

Location: Orange

Slope Class: C Hydrologic Group: C

Riparian buffer width: 0 ft

Distance to stream: 0 ft

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE	PH	P	K	Lab
	[NO TEST]			

Soils:

PERCENT	SYMBOL	SOIL SERIES
4	LgB	Lignum
37	NsB2	Nason
50	NsC2	Nason
9	TsB	Tatum

Field Warnings:

Field Name: 96-17

Total Acres: 30.70 Usable Acres: 30.70

FSA Number: 0

Tract: 1420

Location: Orange

Slope Class: C Hydrologic Group: C

Riparian buffer width: 0 ft

Distance to stream: 0 ft

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE	PH	P	K	Lab
	[NO TEST]			

Soils:

PERCENT	SYMBOL	SOIL SERIES
3	AIC2	Altavista
15	AuB	Augusta
9	EsB2	Elsinboro
11	EsC2	Elsinboro
24	NsC2	Nason
11	NsD2	Nason
27	TsB	Tatum

Field Warnings:

Field Name: 96-18

Total Acres: 22.80 Usable Acres: 22.80

FSA Number: 0

Tract: 1420

Location: Orange

Slope Class: B Hydrologic Group: B

Riparian buffer width: 0 ft

Distance to stream: 0 ft

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE	PH	P	K	Lab
	[NO TEST]			

Soils:

PERCENT	SYMBOL	SOIL SERIES
1	MrD	Manteo
4	NsB2	Nason
40	NsC2	Nason
16	TsB	Tatum
39	TsB2	Tatum

Field Warnings:

Field Name: 96-19

Total Acres: 10.60 Usable Acres: 10.60

FSA Number: 0

Tract: 1420

Location: Orange

Slope Class: C Hydrologic Group: C

Riparian buffer width: 0 ft

Distance to stream: 0 ft

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE	PH	P	K	Lab
	[NO TEST]			

Soils:

PERCENT	SYMBOL	SOIL SERIES
1	AuB	Augusta
39	NsC2	Nason
42	SeB	Seneca
18	TsC2	Tatum

Field Warnings:

Field Name: 96-20

Total Acres: 4.90 Usable Acres: 4.90

FSA Number: 0

Tract: 1420

Location: Orange

Slope Class: C Hydrologic Group: C

Riparian buffer width: 0 ft

Distance to stream: 0 ft

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE	PH	P	K	Lab
[NO TEST]				

Soils:

PERCENT	SYMBOL	SOIL SERIES
56	AuB	Augusta
44	MrD	Manteo

Field Warnings:*Environmentally Sensitive Soils due to:**Shallow soils less than 41 inches deep likely to be located over fractured or limestone bedrock**Soils with percent slope in excess of 15%*

Field Name: 96-21

Total Acres: 15.80 Usable Acres: 15.80

FSA Number: 0

Tract: 1420

Location: Orange

Slope Class: C Hydrologic Group: C

Riparian buffer width: 0 ft

Distance to stream: 0 ft

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE	PH	P	K	Lab
	[NO TEST]			

Soils:

PERCENT	SYMBOL	SOIL SERIES
55	AIC2	Altavista
32	AuB	Augusta
2	Mx	Mixed alluvial land
2	NsC2	Nason
1	SeB	Seneca
8	We	Wehadkee

Field Warnings:

Field Name: 96-22

Total Acres: 5.10 Usable Acres: 5.10

FSA Number: 0

Tract: 1420

Location: Orange

Slope Class: B Hydrologic Group: C

Riparian buffer width: 0 ft

Distance to stream: 0 ft

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE	PH	P	K	Lab
	[NO TEST]			

Soils:

PERCENT	SYMBOL	SOIL SERIES
16	Mx	Mixed alluvial land
1	NsC2	Nason
9	SeB	Seneca
5	TsC2	Tatum

Field Warnings:

Tract Name: OR 96

FSA Number: 0

Location: Orange

Field Name: 96-31

Total Acres: 63.50 Usable Acres: 63.50

FSA Number: 0

Tract: OR96

Location: Orange

Slope Class: B Hydrologic Group: C

Riparian buffer width: 0 ft

Distance to stream: 0 ft

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE	PH	P	K	Lab
	[NO TEST]			

Soils:

PERCENT	SYMBOL	SOIL SERIES
4	LgB	Lignum
37	NsB2	Nason
43	NsC2	Nason
14	TsB2	Tatum
2	WoB	Worsham

Field Warnings:

Field Name: 96-32

Total Acres: 65.70 Usable Acres: 18.20

FSA Number: 0

Tract: 2538

Location: Orange

Slope Class: B Hydrologic Group: C

Riparian buffer width: 0 ft

Distance to stream: 0 ft

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE	PH	P	K	Lab
	[NO TEST]			

Soils:

PERCENT	SYMBOL	SOIL SERIES
1	LgB	Lignum
73	NaB2	Nason
12	NaC2	Nason
10	TsB2	Tatum
1	WoB	Worsham
3	YoB	York

Field Warnings:

Field Name: 96-33

Total Acres: 49.40 Usable Acres: 49.40

FSA Number: 0

Tract: 2538

Location: Orange

Slope Class: B Hydrologic Group: C

Riparian buffer width: 0 ft

Distance to stream: 0 ft

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE	PH	P	K	Lab
	[NO TEST]			

Soils:

PERCENT	SYMBOL	SOIL SERIES
5	LgB	Lignum
70	NaB2	Nason
19	NaC2	Nason
2	WoB	Worsham
4	YoB	York

Field Warnings:

Field Name: 96-34

Total Acres: 48.90 Usable Acres: 48.90

FSA Number: 0

Tract: 2538

Location: Orange

Slope Class: B Hydrologic Group: C

Riparian buffer width: 0 ft

Distance to stream: 0 ft

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE	PH	P	K	Lab
	[NO TEST]			

Soils:

PERCENT	SYMBOL	SOIL SERIES
3	LgB	Lignum
4	NsB	Nason
48	NsB2	Nason
37	NsC2	Nason
1	SeB	Seneca
7	TsB2	Tatum

Field Warnings:

Field Name: 96-35

Total Acres: 15.00 Usable Acres: 15.00

FSA Number: 0

Tract: 2538

Location: Orange

Slope Class: C Hydrologic Group: C

Riparian buffer width: 0 ft

Distance to stream: 0 ft

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE	PH	P	K	Lab
	[NO TEST]			

Soils:

PERCENT	SYMBOL	SOIL SERIES
3	LgB	Lignum
23	NsB2	Nason
50	NsC2	Nason
9	TsB2	Tatum
15	YoB	York

Field Warnings:

Field Name: 96-36

Total Acres: 97.00 Usable Acres: 97.00

FSA Number: 0

Tract: OR96

Location: Orange

Slope Class: B Hydrologic Group: C

Riparian buffer width: 0 ft

Distance to stream: 0 ft

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE	PH	P	K	Lab
	[NO TEST]			

Soils:

PERCENT	SYMBOL	SOIL SERIES
8	BrC	Bremo
1	BrD	Bremo
3	FIB	Fluvanna
5	FIB2	Fluvanna
5	HeB	Helena
1	HeC2	Helena
5	LgB	Lignum
2	LIB2	Lloyd
2	MrC	Manteo
11	NsB2	Nason
7	NsC2	Nason
4	NtC3	Nason
6	OrB2	Iredell Orange
12	TsB2	Tatum
7	TsC2	Tatum
1	TtC3	Tatum
3	WoB	Worsham
9	ZoB	Zion
1	ZoC2	Zion
4	FIC2	Fluvanna
3	LmC3	Lloyd

Field Warnings:

ENVIRONMENTALLY SENSITIVE AREAS

Field	Reason for Sensitive Area
96-04	None
96-05	High Water Table (Map Unit LgB - 39%)
96-09	High Water Table (Map Unit LgB - 2%)
96-10	High Water Table (Map Unit LgB - 7%)
96-13	None
96-14	High Water Table (Map Unit LgB - 8%) Shallow Soil (Map Unit MrD - 13%)
96-15	High Water Table (Map Unit LgB - 7%) Shallow Soil (Map Unit MrD - 5%)
96-16	High Water Table (Map Unit LgB - 4%)
96-17	High Water Table (Map Unit AuB - 15%)
96-18	Shallow Soil (Map Unit MrD - 1%)
96-19	High Water Table (Map Unit AuB - 1%)
96-20	High Water Table (Map Unit AuB - 56%) Shallow Soil (Map Unit MrD - 44%)
96-21	High Water Table (Map Units AuB & We - 41%) Frequent Flooding (Map Unit We - 9%)
96-22	High Water Table (Map Unit We - 69%) Frequent Flooding (Map Unit We - 69%)
96-31	High Water Table (Map Units LgB & WoB - 6%)
96-32	High Water Table (Map Units LgB & WoB - 2%)
96-33	High Water Table (Map Units LgB & WoB - 7%)
96-34	High Water Table (Map Unit LgB - 3%)
96-35	High Water Table (Map Unit LgB - 3%)

ENVIRONMENTALLY SENSITIVE AREAS

Field	Reason for Sensitive Area
96-36	High Water Table (Map Units LgB & WoB - 8%) Shallow Soil (Map Unit MrC - 2%) Leaching (Map Units BrC & BrD - 9%)

Orange County Soils that are Environmentally Sensitive

Soil Map Unit	Series Name	Time of year		Environmental
		High Water	Flooded	
Ab	Albano	Nov-March		
AuA, AuB	Augusta	Dec-May		
Be	Bermudian		Nov-March	
Bo	Bowmansville	Sept-May	Sept-May	Drainage
BrC, BrD	Bremo			Leaching
Bw	Buncombe			Leaching
CaB, CaC	Calverton	Dec-May		
CbB, CcC, CcD	Catoctin			Shallow
Cw	Chewacla	Nov-April	Nov-April	
CxB	Colfax	Nov-June		
Eb, Ee	Elbert	Nov-May		
HaC, HaD	Hazel			Shallow
KID, KIE	Klinesville			Shallow
LgB	Lignum	Dec-May		
LoC, LoC2, LoD, LoD2	Louisburg			Leaching
MoD	Manor			Leaching
MrB, MrC, MrD, MrE	Manteo			Shallow
OgA, OgB, OgB2, OgC2	Orange	Dec-May		
OrA, OrB, OrB2	Orange	Dec-May		
PkC, PkD	Pinkston			Leaching
Rk	Roanoke	Nov-May		
Rw	Rowland	Nov-May		
WbB, WbC, WbD	Watt			Shallow
We	Wehadkee	Nov-May	Nov-June	
WoB	Worsham	Nov-April		

Map Legend



House/Dwelling with a well

- 200' buffer-dwelling (with conditions for reduction)
- 100' buffer- from well



Rock Outcrop

- 25' buffer



Limestone Outcrop/Closed Sinkhole

- 50' buffer



Well/Spring/Open Sinkhole

- 100' buffer



Lake/Pond

- 35' w/vegetative buffer; 100' without vegetative buffer



Slope which exceeds 15%



Publicly Accessible Site/Odor Sensitive Site

- 200' buffer Publicly Accessible Site Property Line
- 400' buffer Odor Sensitive Site



Stream/River

- 35' w/vegetative buffer; 100' without vegetative buffer



Agricultural/Drainage Ditch

- 10' buffer



Roadway

- 10' improved highway buffer

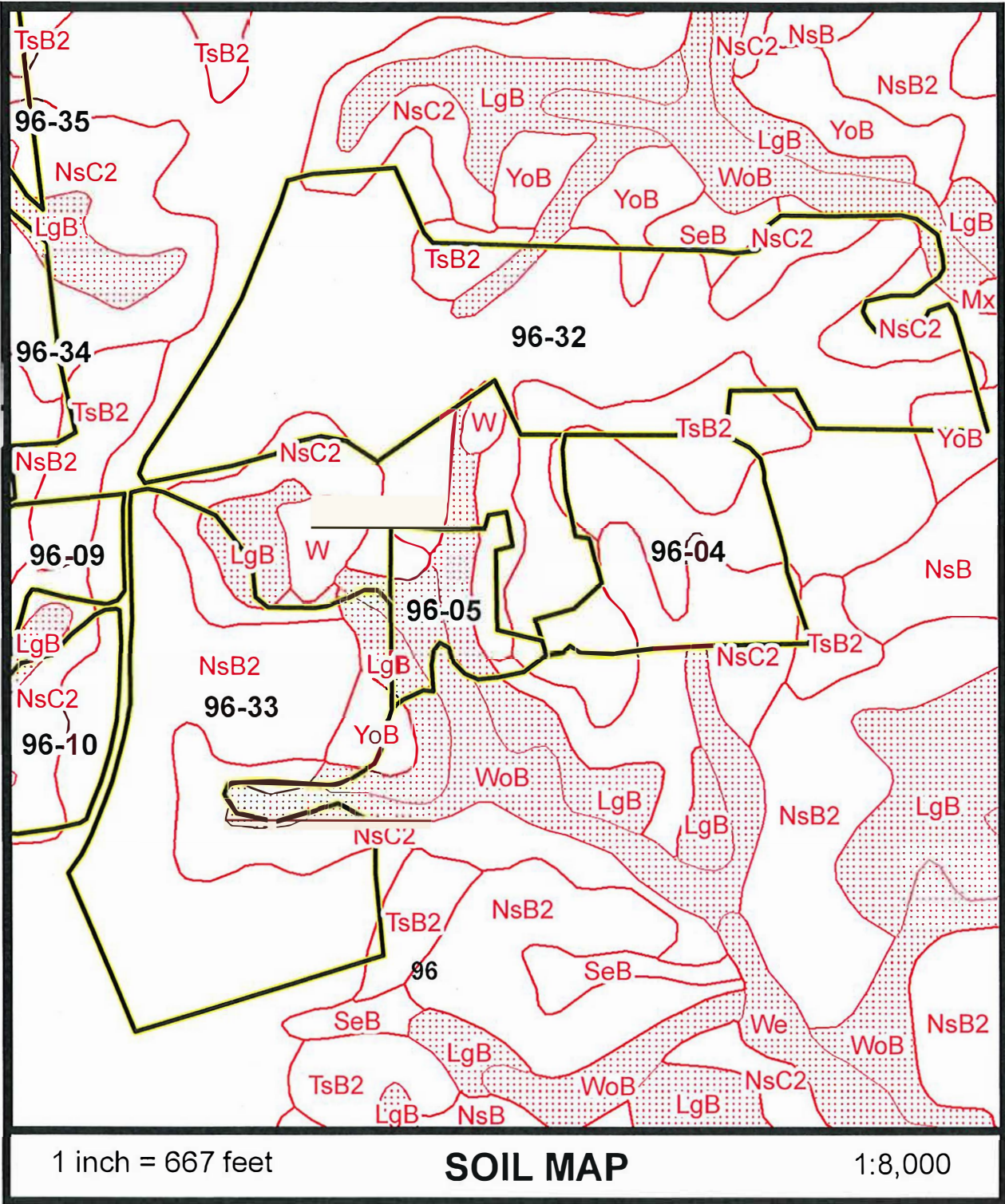


Field Boundary



Property Line

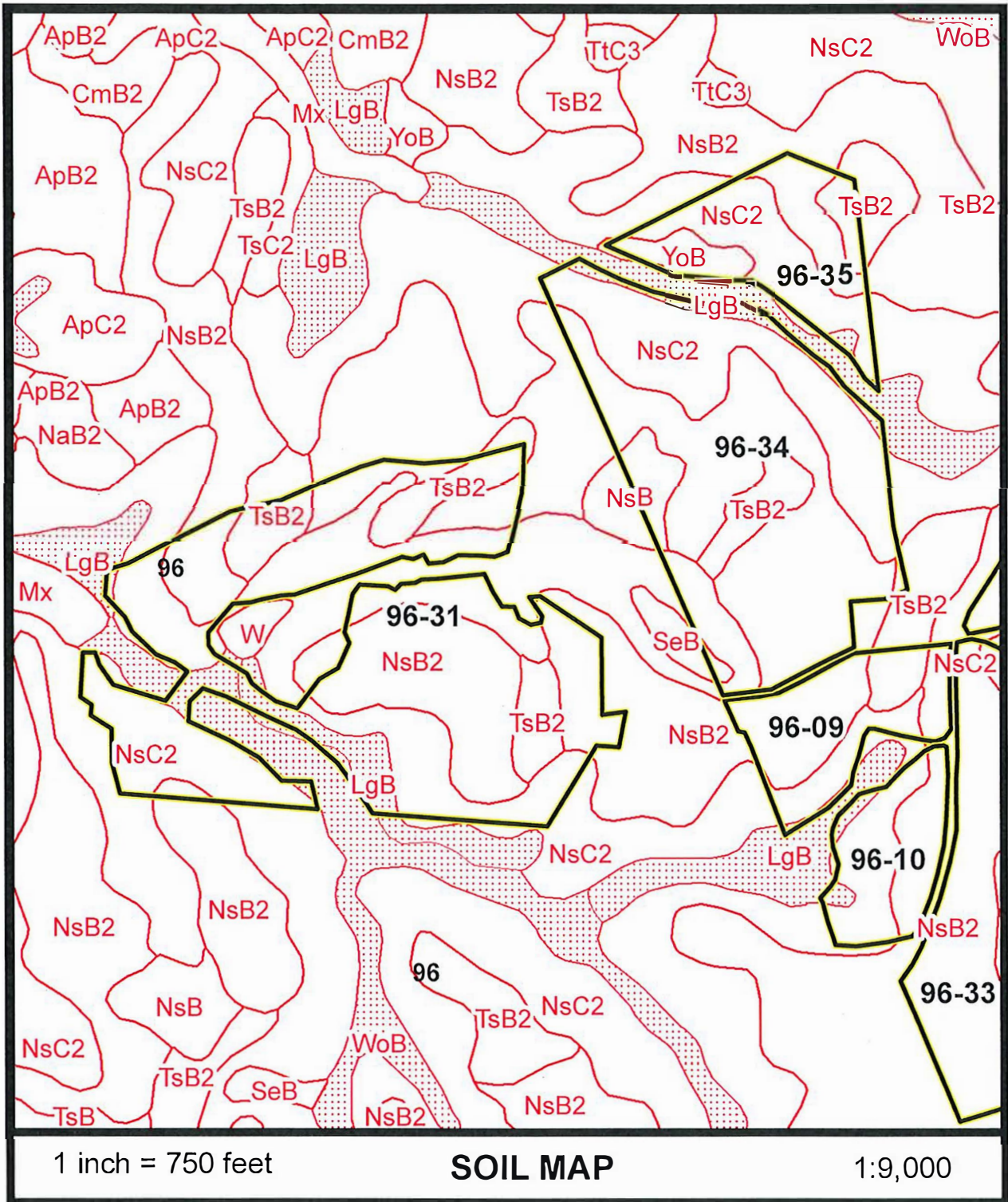
- 100' buffer unless waiver issued



Environmentally Sensitive Soil

11/16/2023

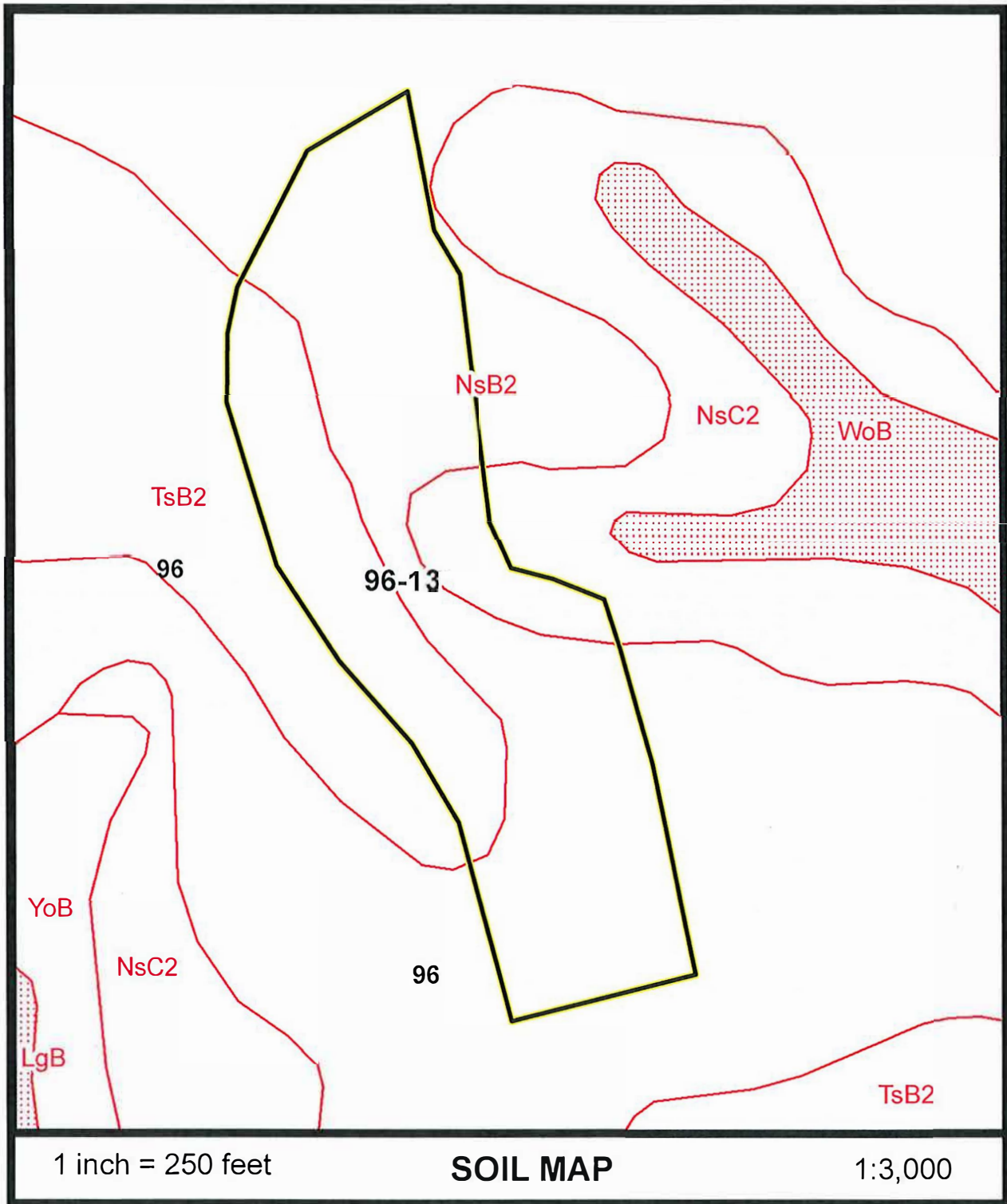




Environmentally Sensitive Soil

11/16/2023





Environmentally Sensitive Soil

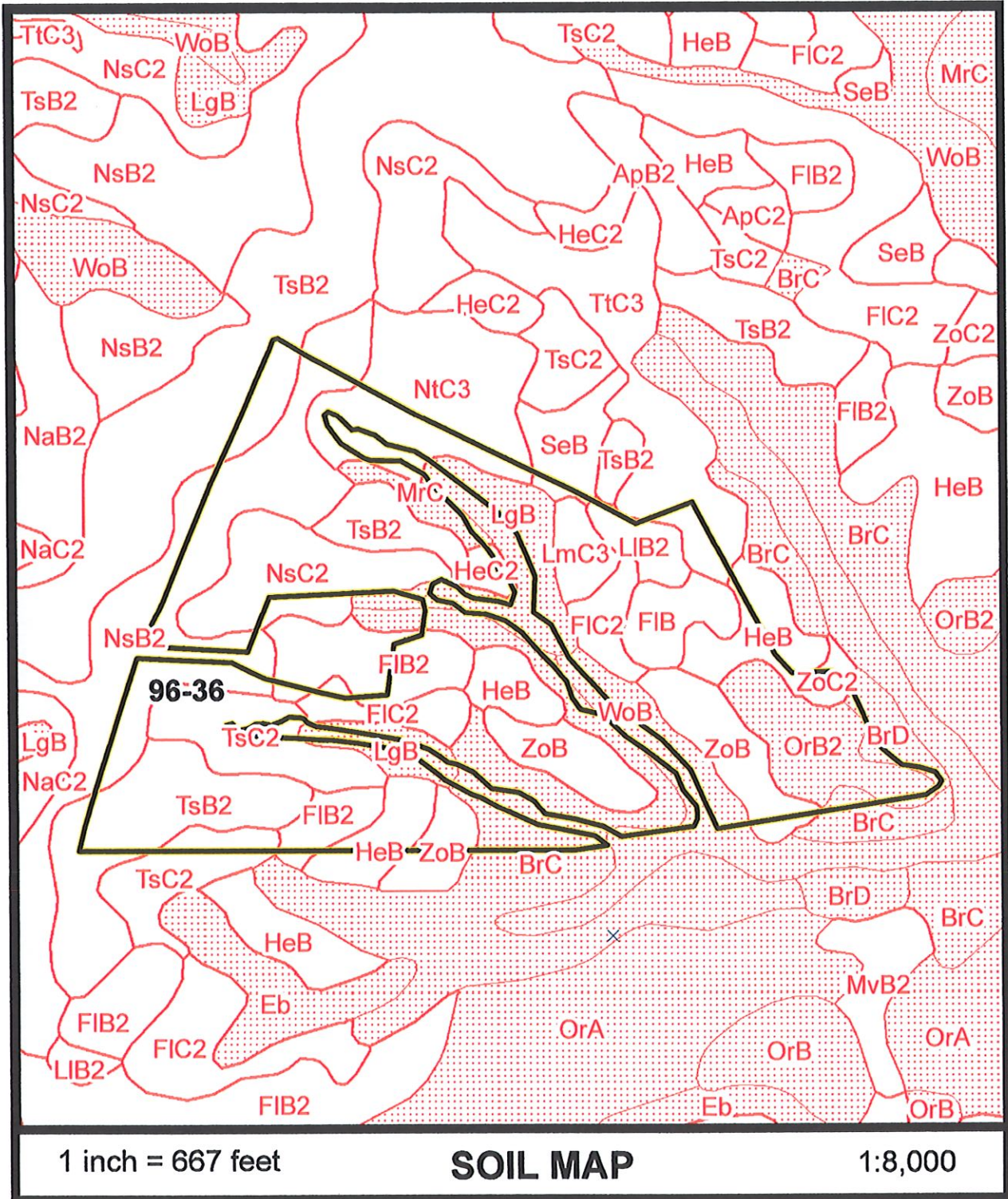
11/16/2023





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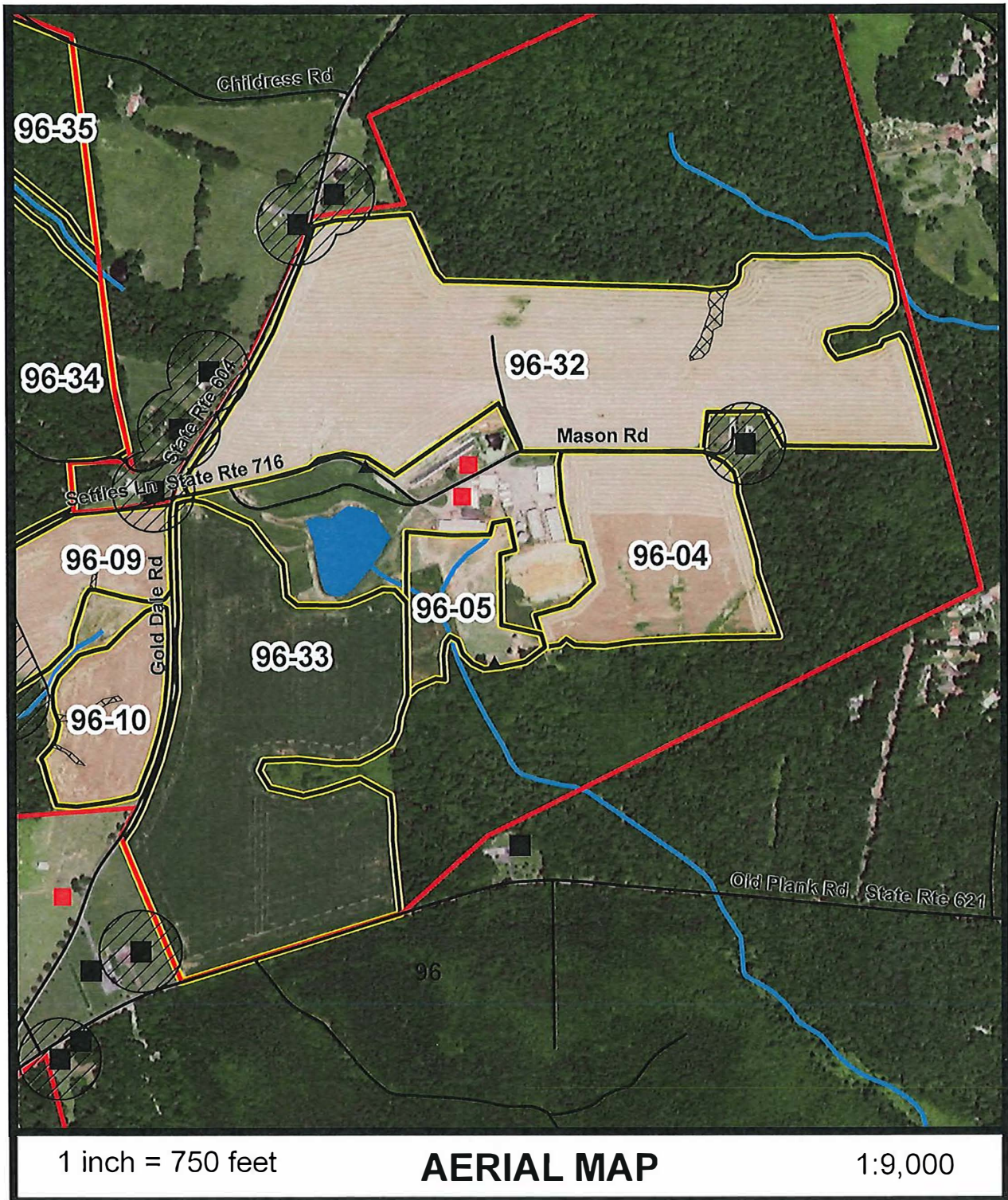


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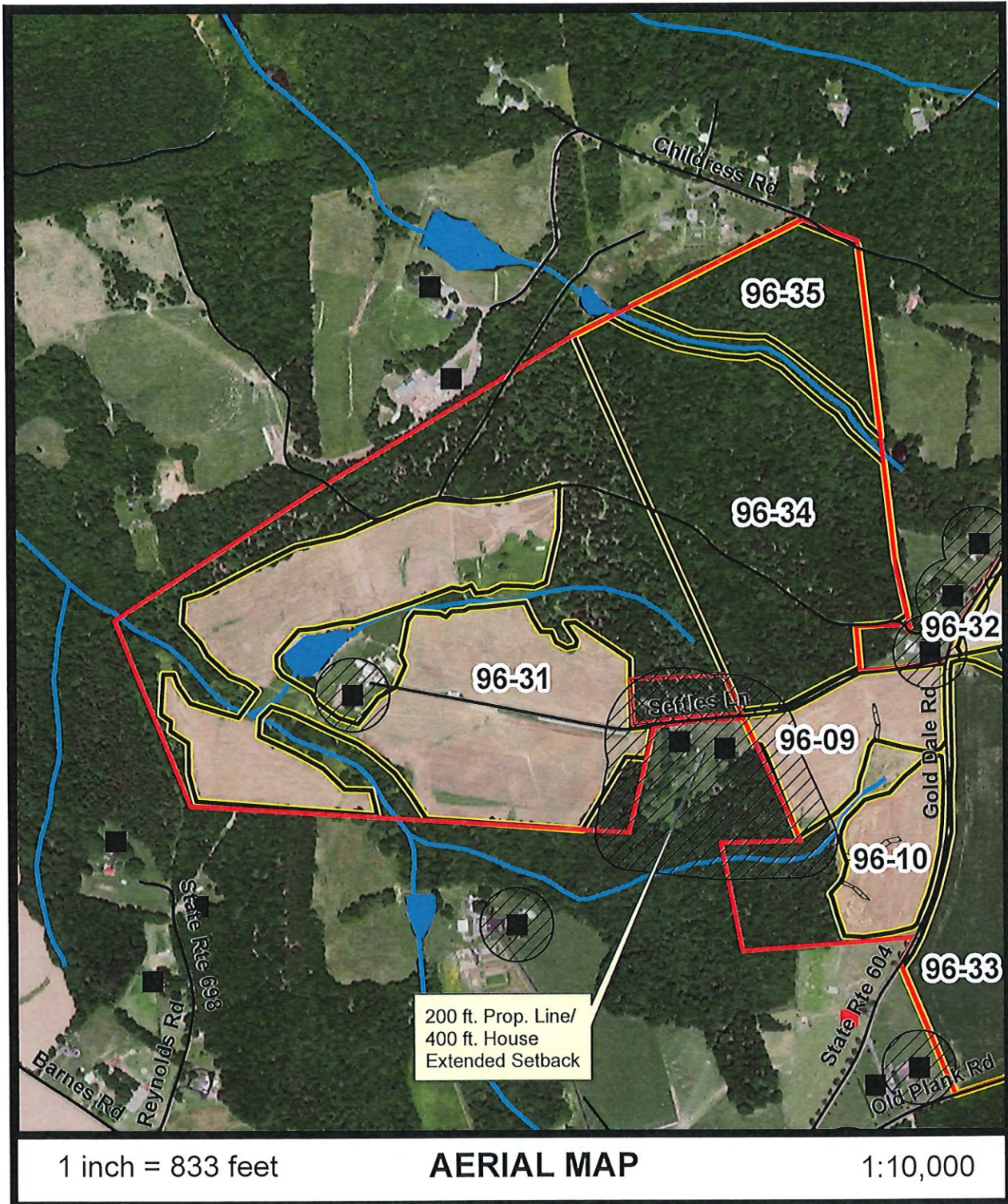
Environmentally Sensitive Soil





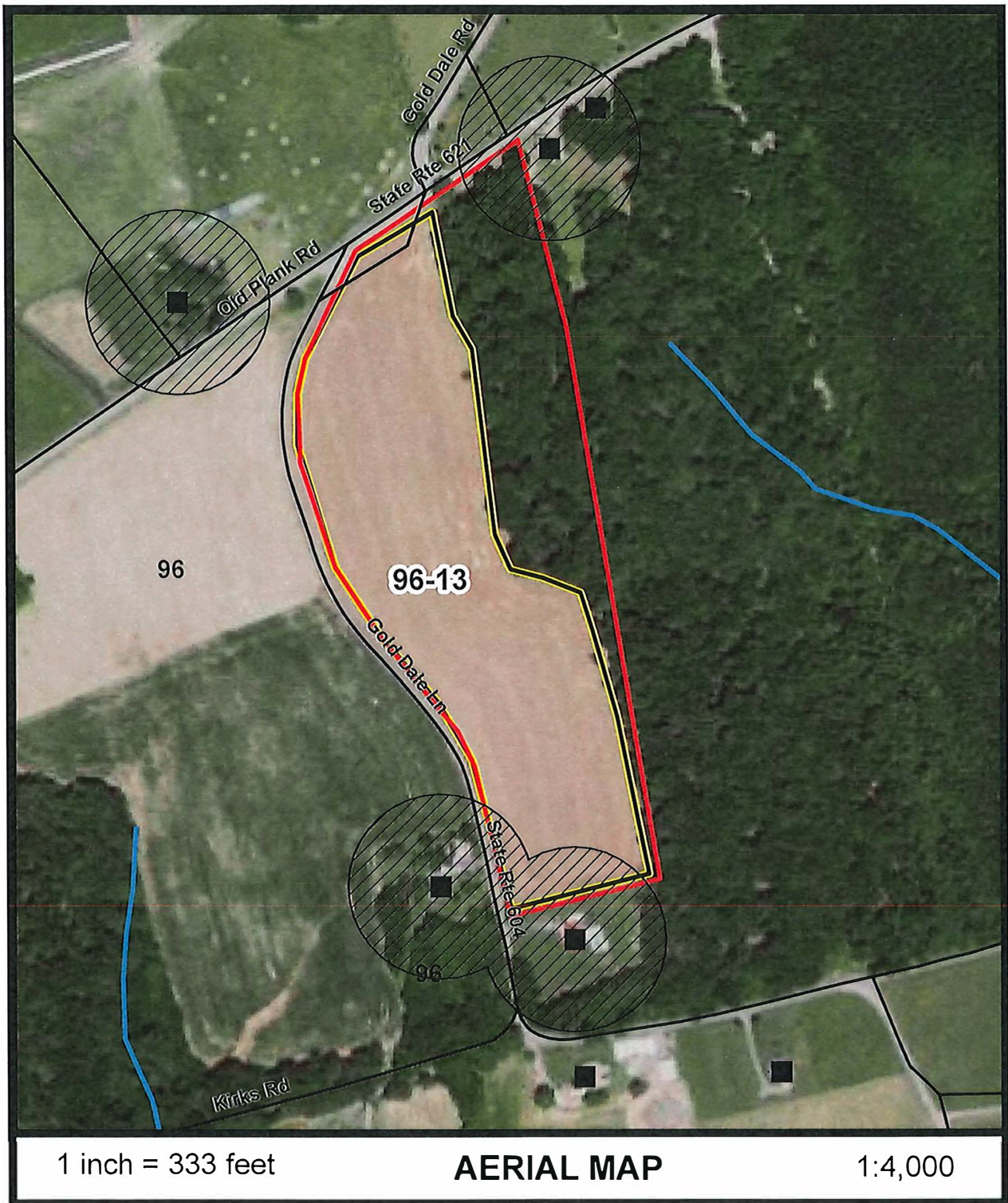
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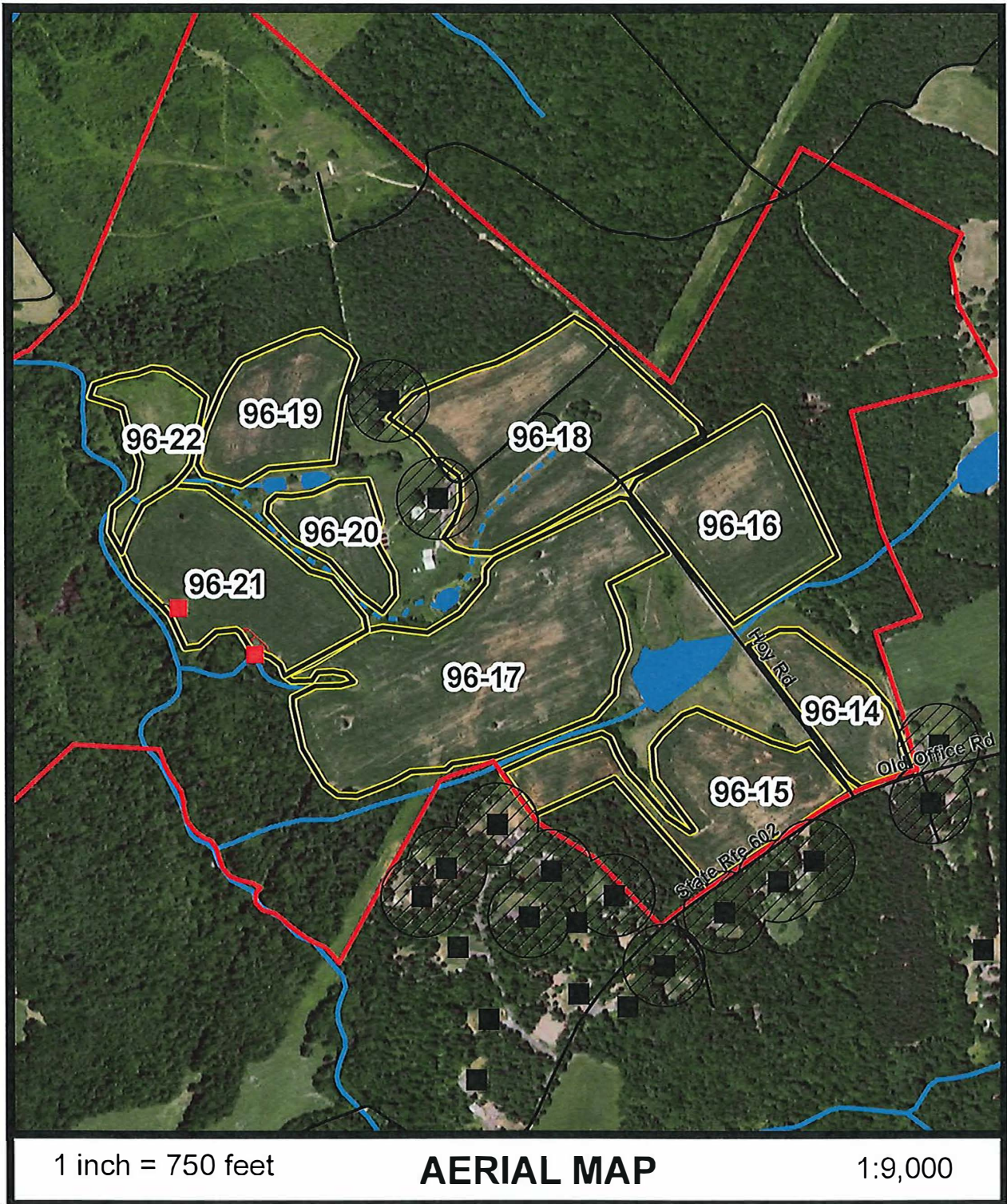
revised 3/5/25





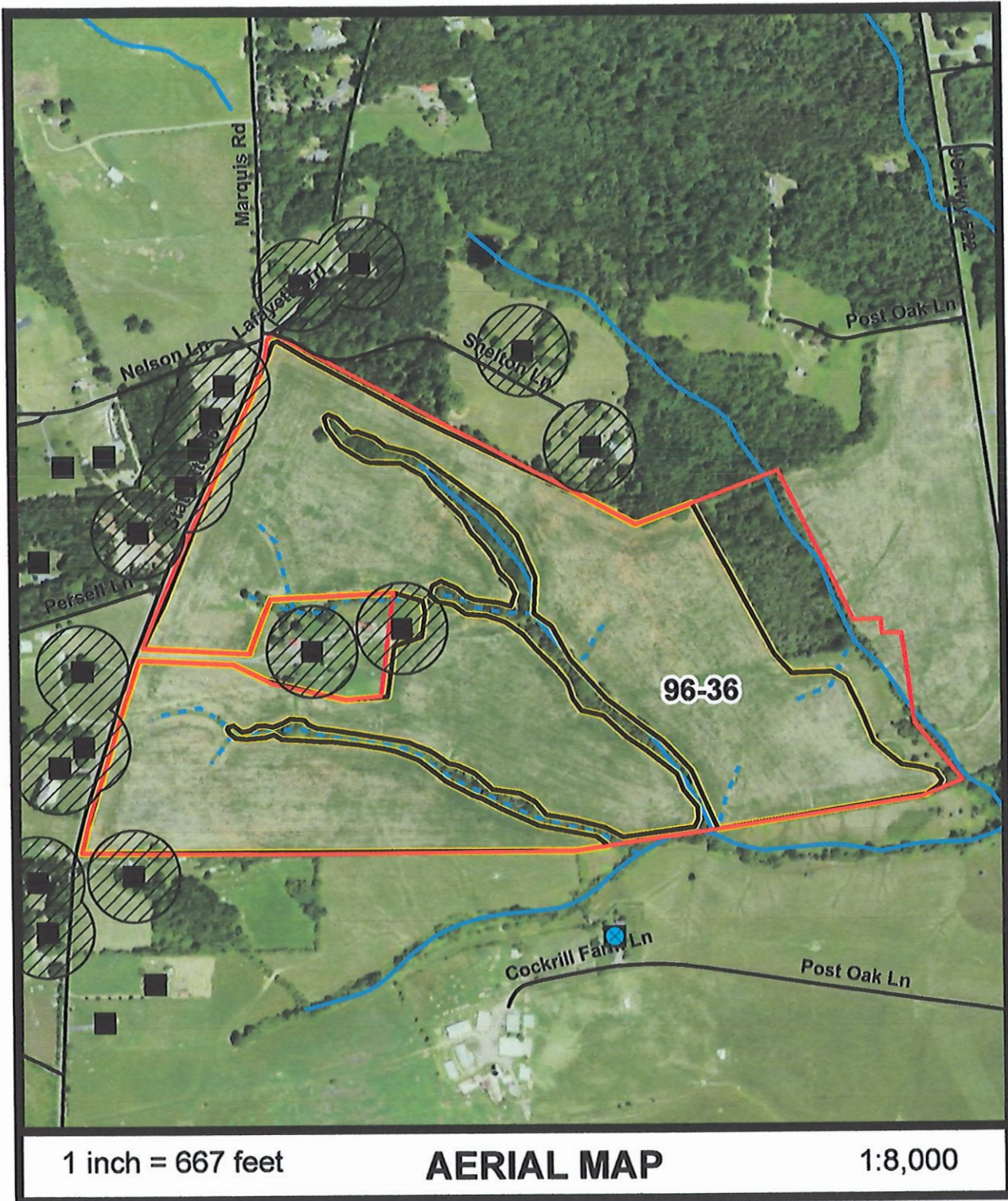
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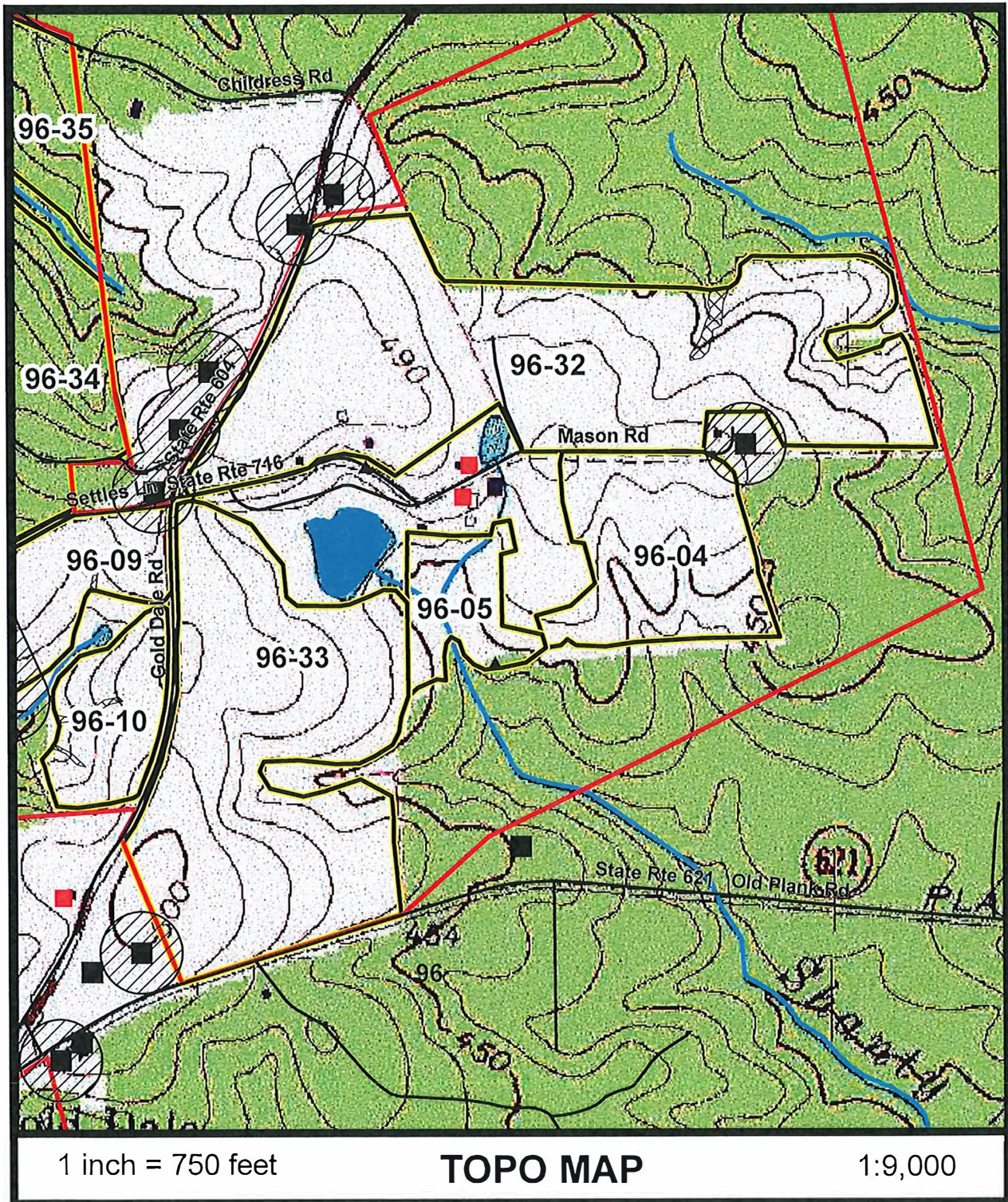
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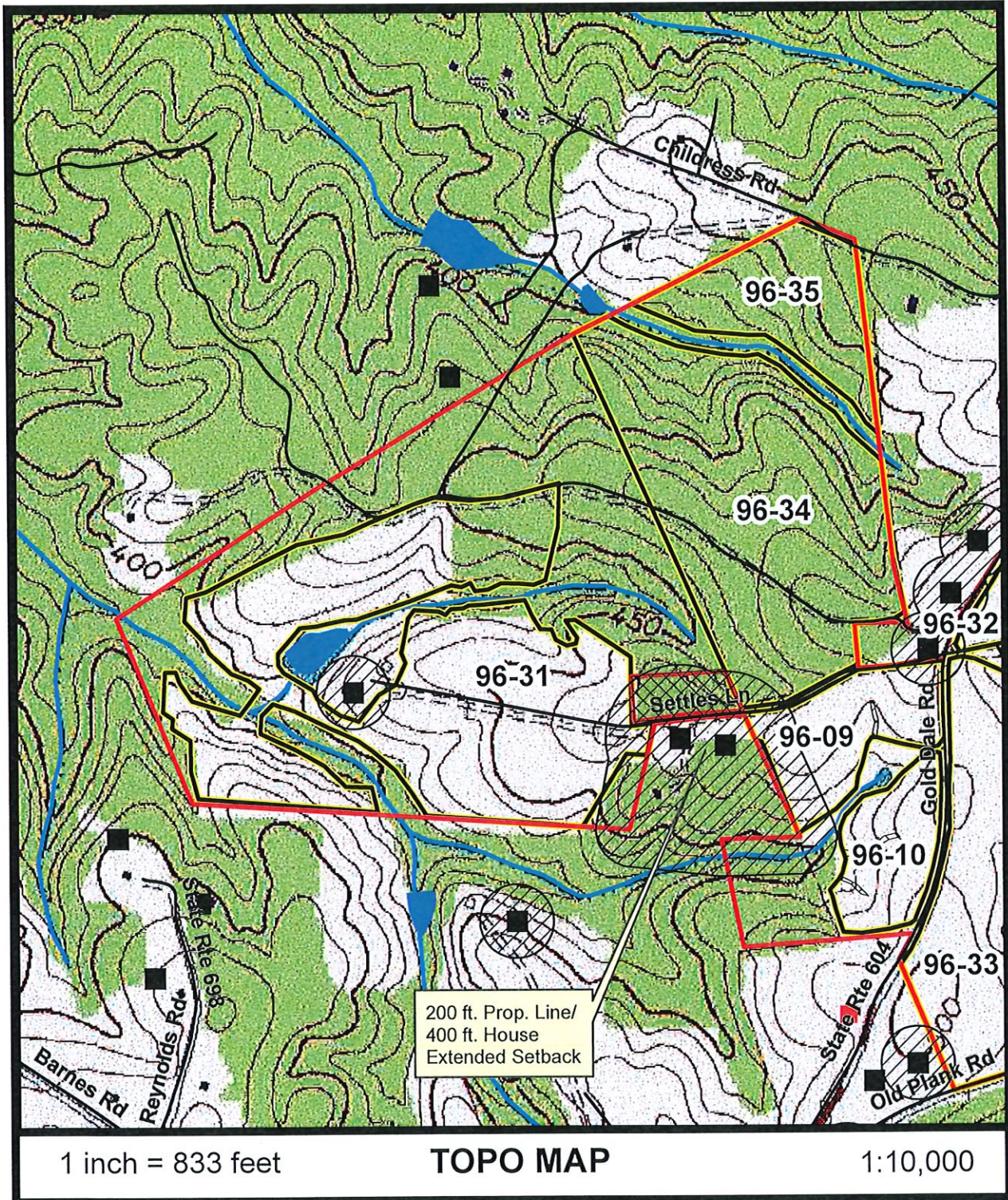




FIELD	ACRES
96-04	19.3
96-05	8.0
96-32	65.7
96-33	49.4

11/16/2023

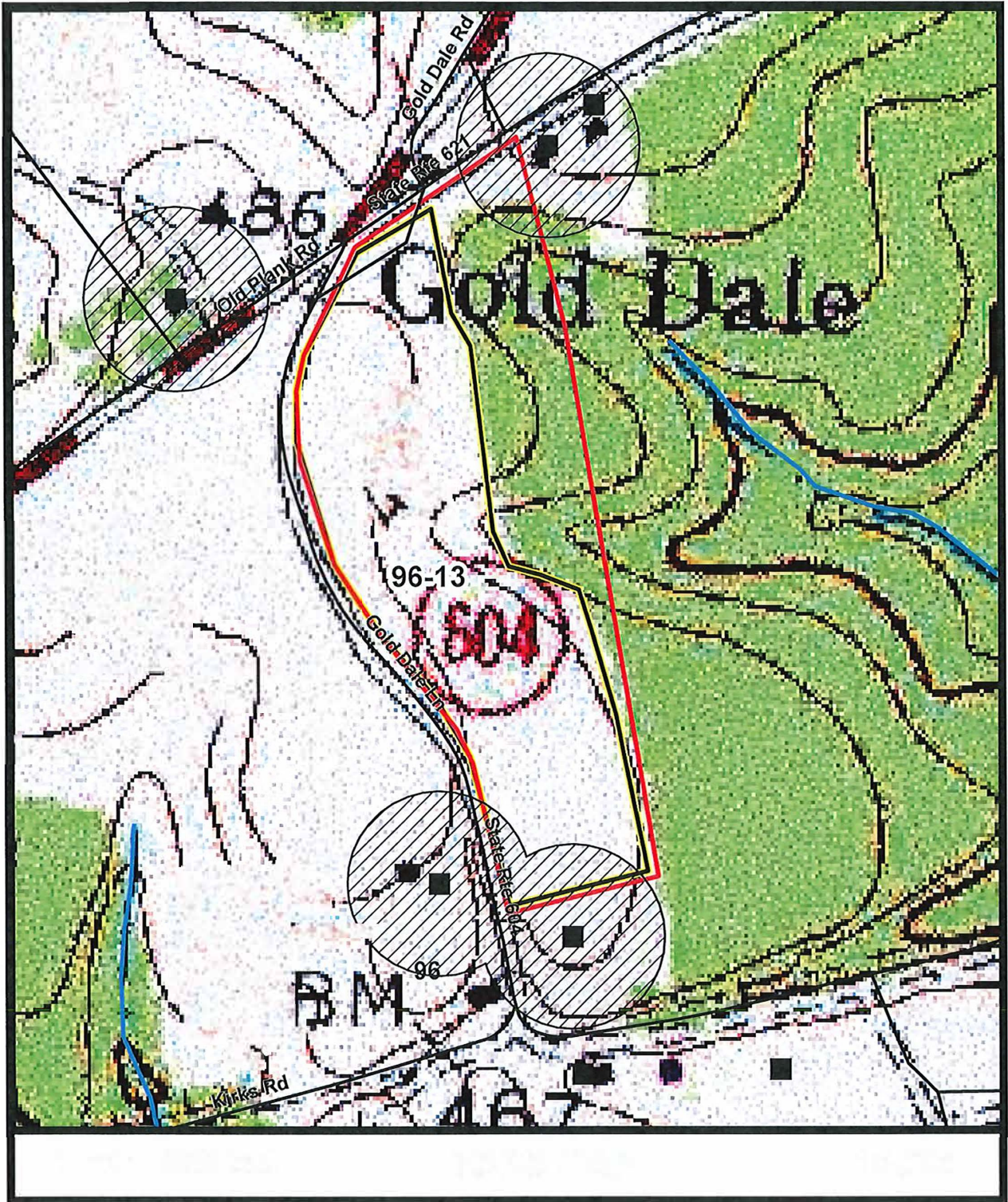




FIELD	ACRES	FIELD	ACRES
96-09	15.6	96-34	48.9
96-10	10.3	96-35	15.0
96-31	64.8		

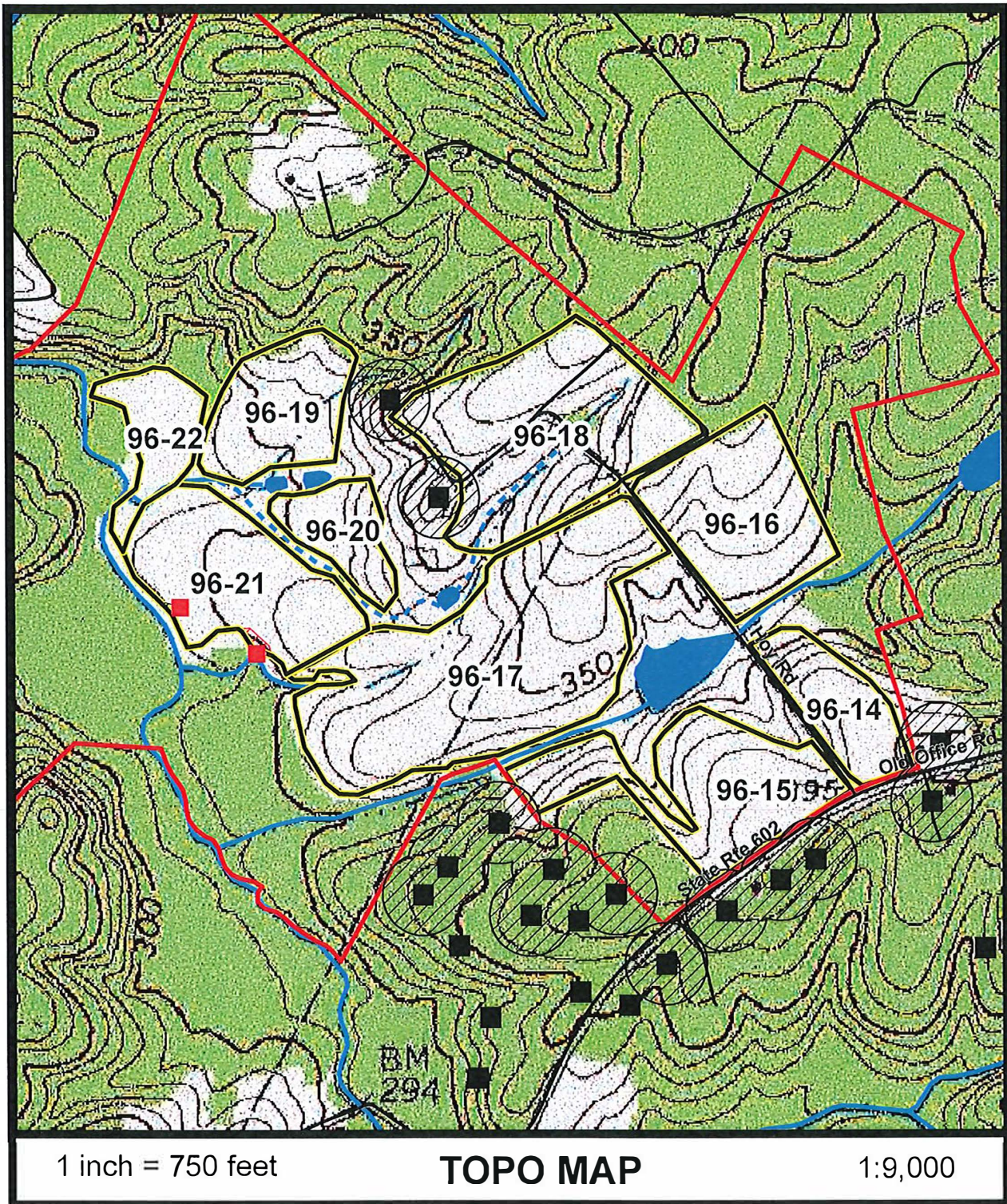
revised 3/5/25





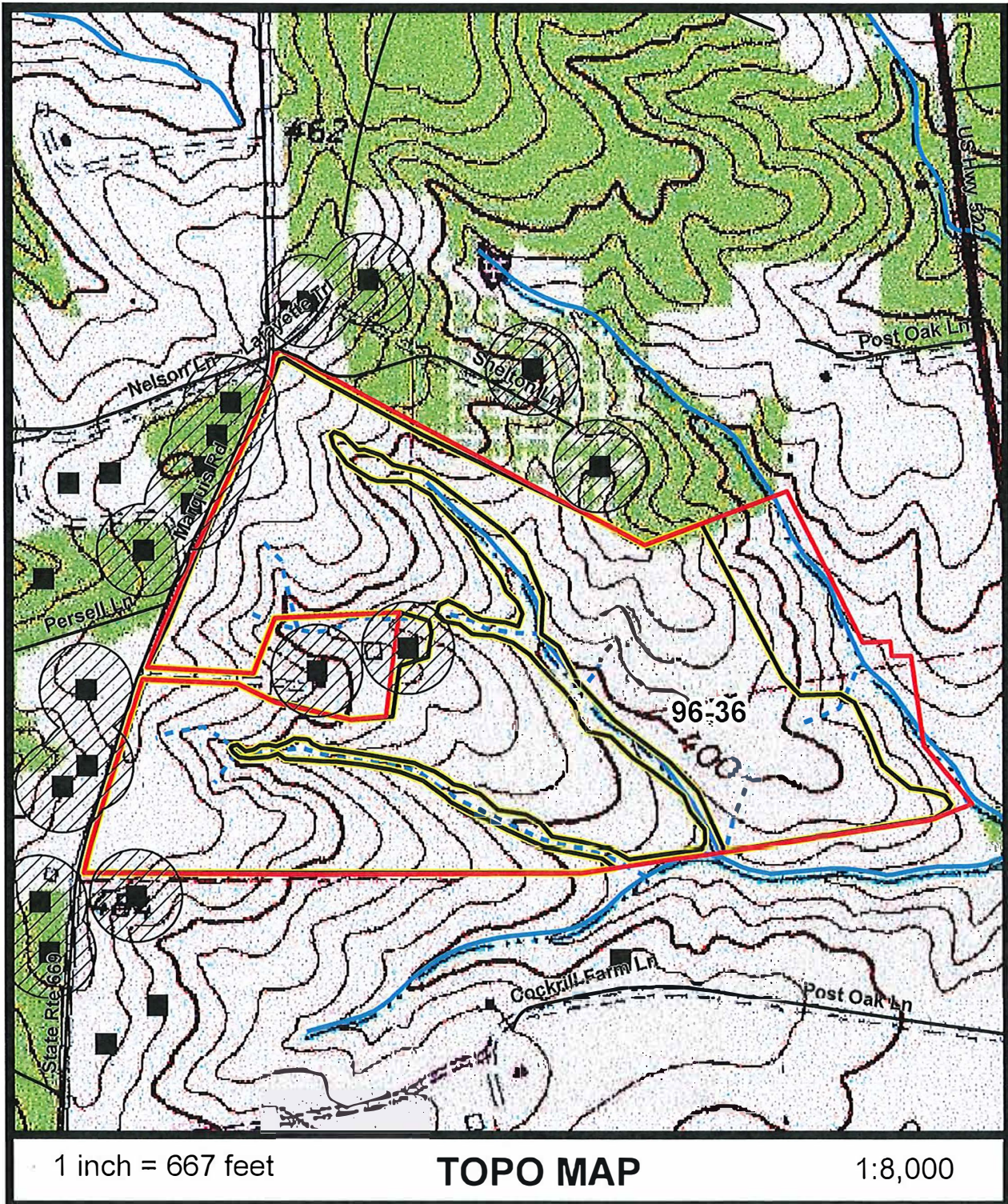
11/16/2023





<u>FIELD</u>	<u>ACRES</u>	<u>FIELD</u>	<u>ACRES</u>	<u>FIELD</u>	<u>ACRES</u>	11/16/2023
96-14	6.8	96-17	30.7	96-20	4.9	
96-15	14.5	96-18	22.8	96-21	15.8	
96-16	14.4	96-19	10.6	96-22	5.1	





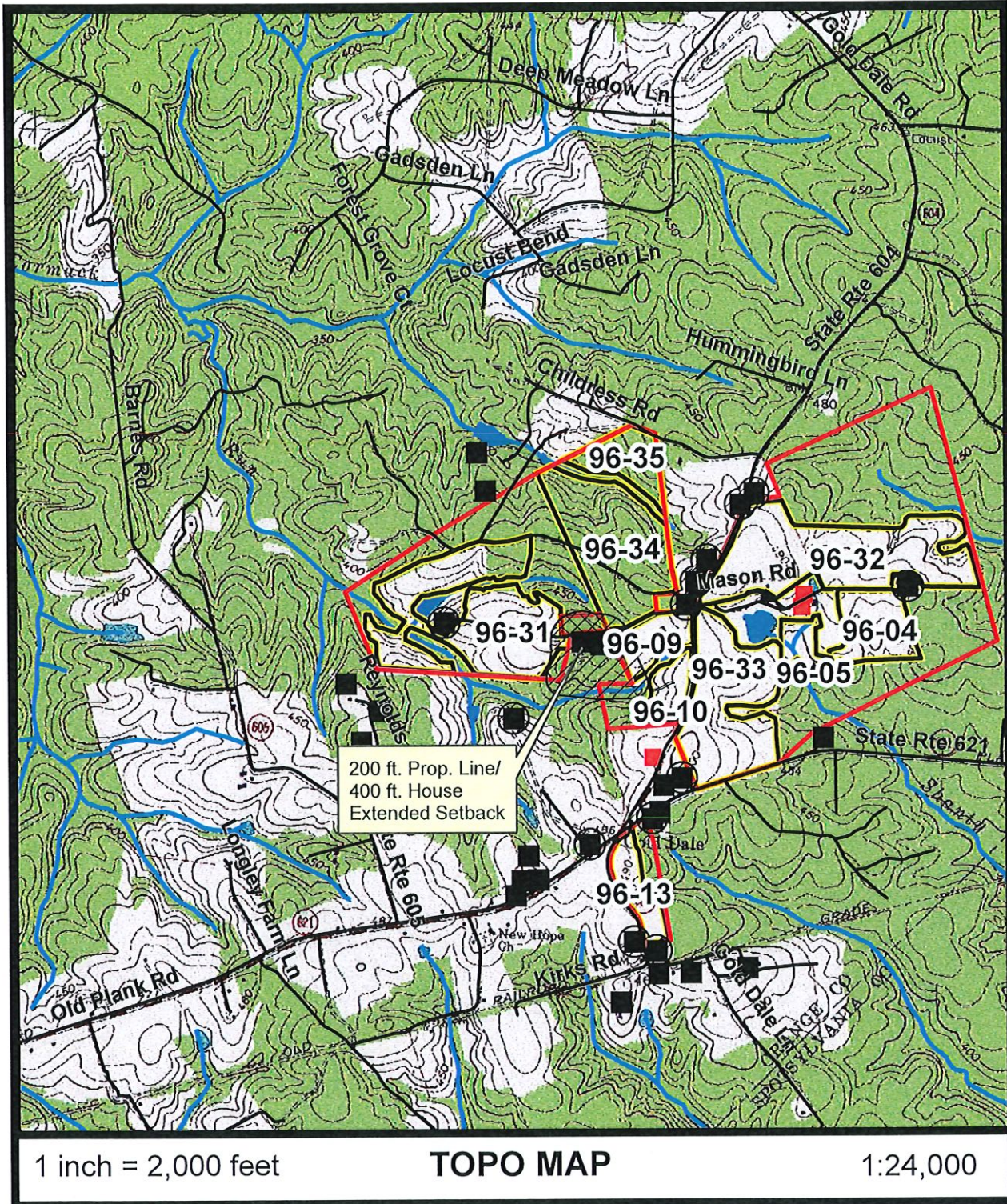
FIELD	ACRES
96-36	97.0

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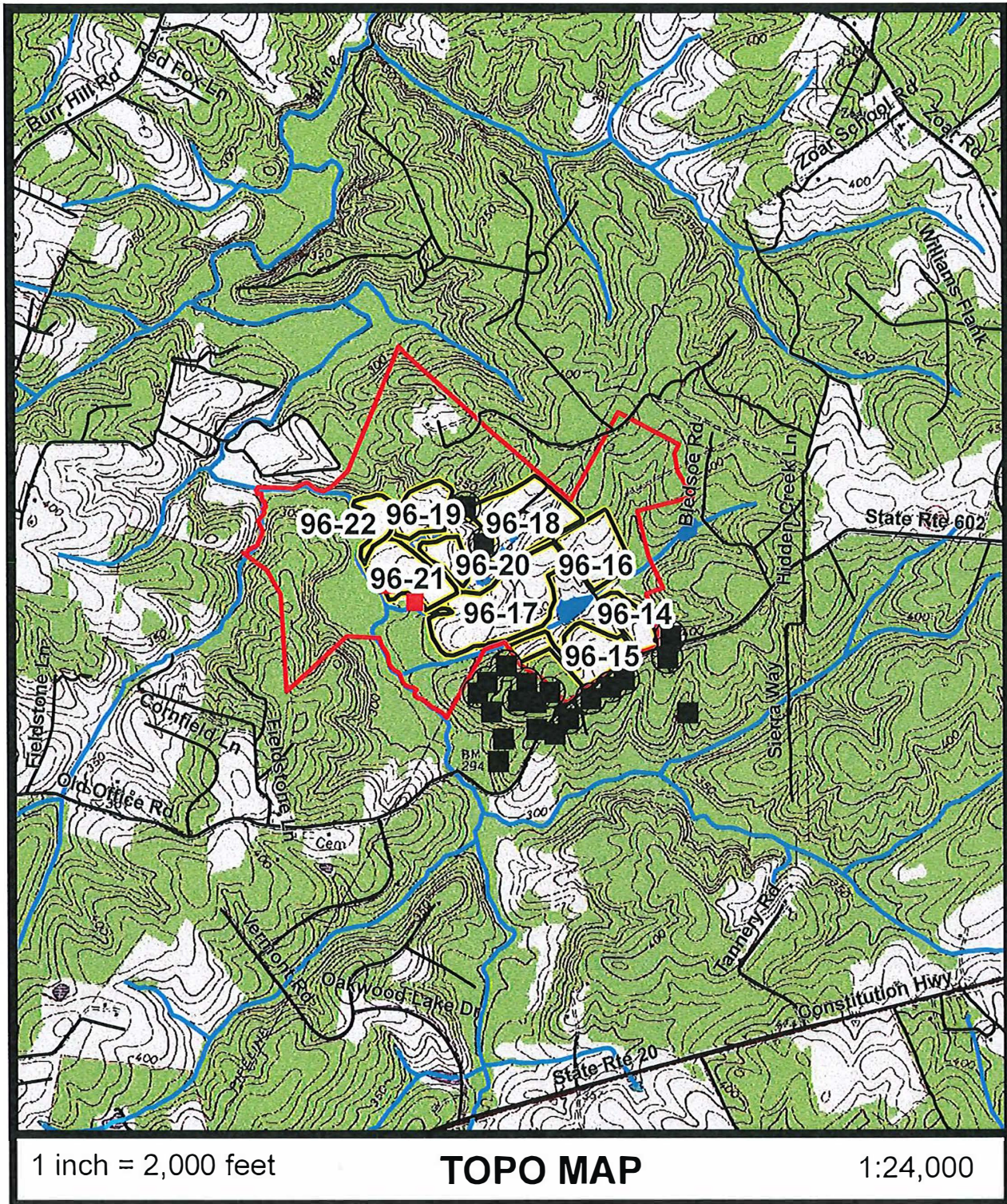
SYNAGRO

Bob Chambers
OR 96
Fields 09, 10, 31, 34, 35



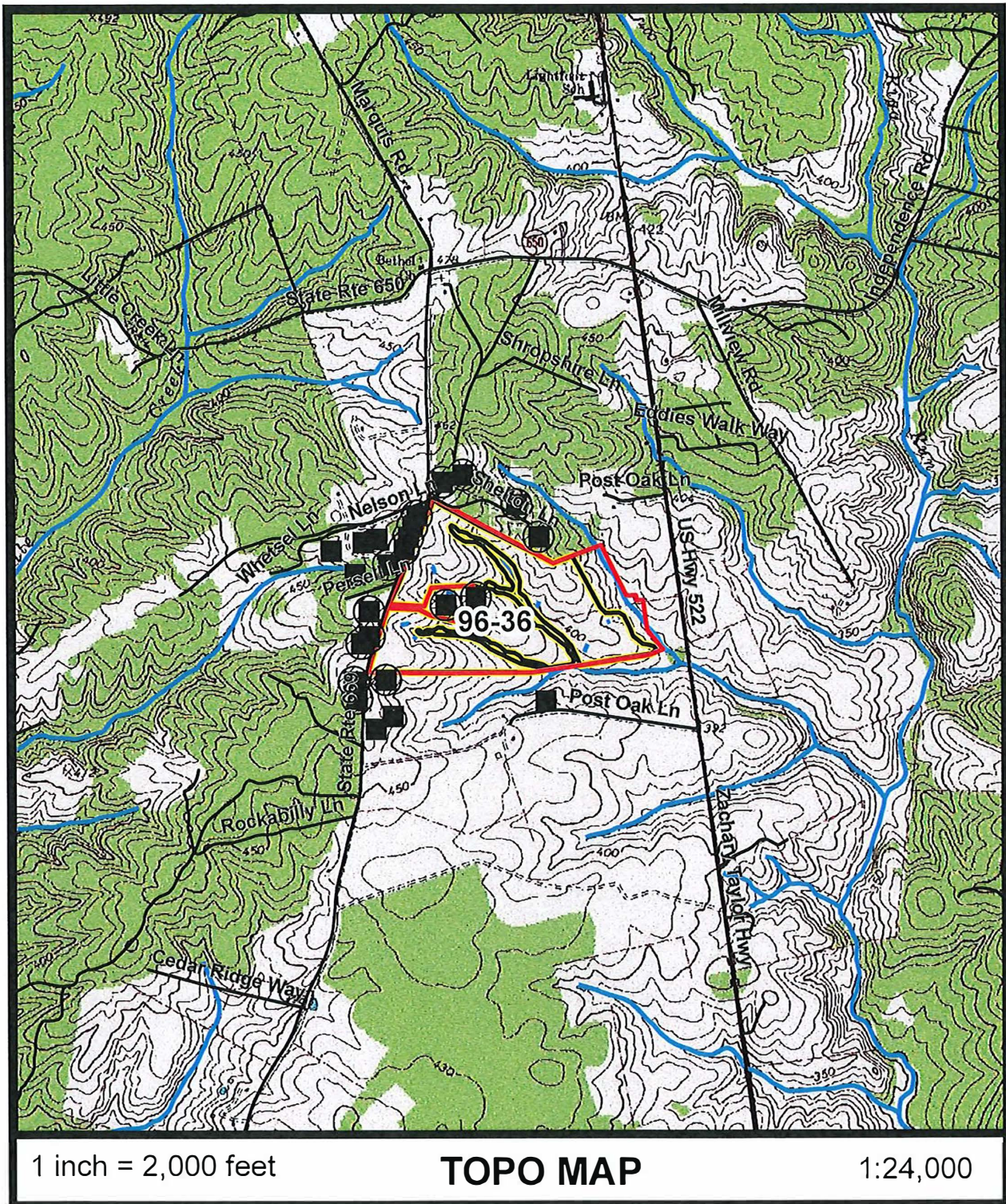
revised 3/5/25





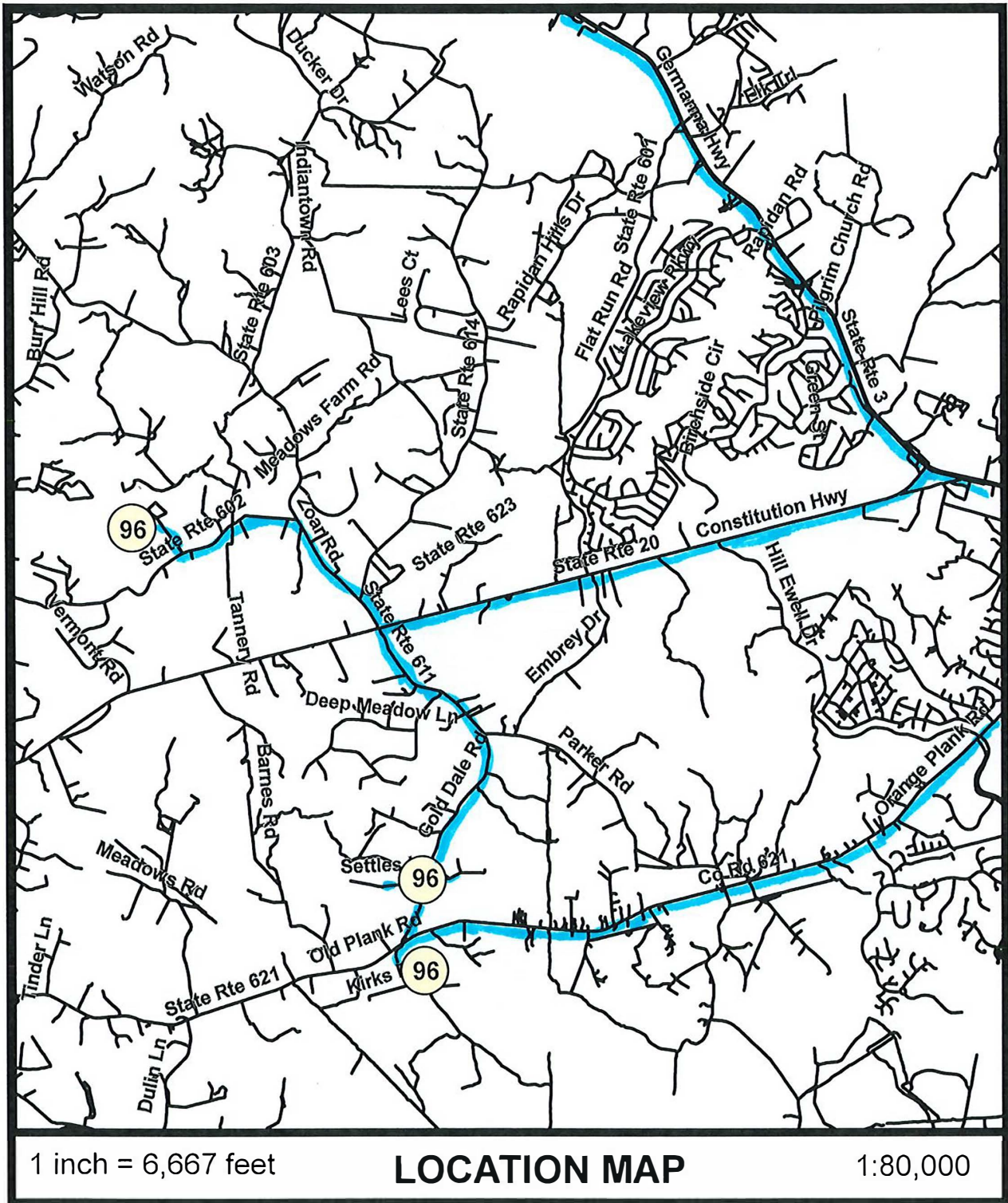
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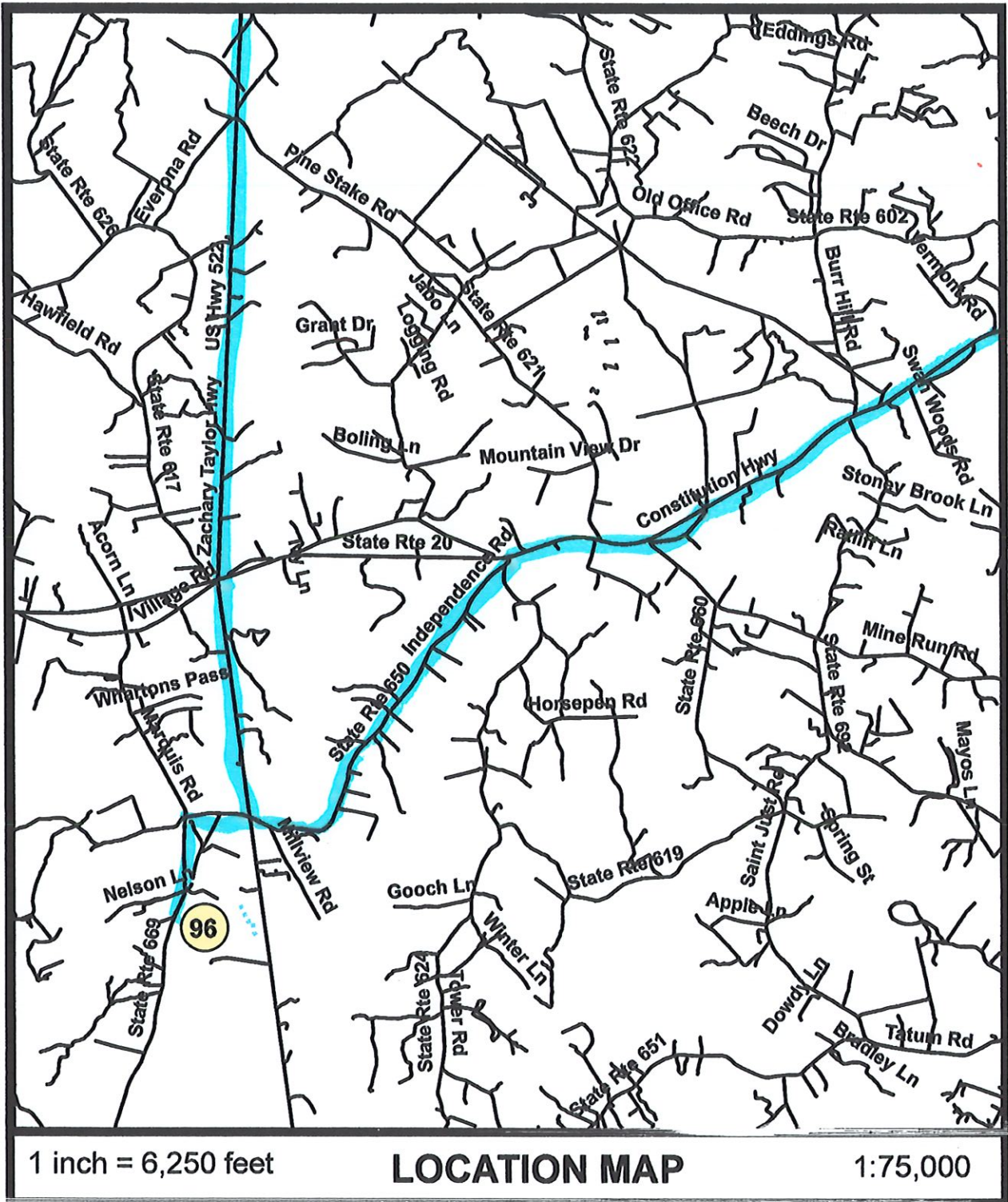
11/16/2023





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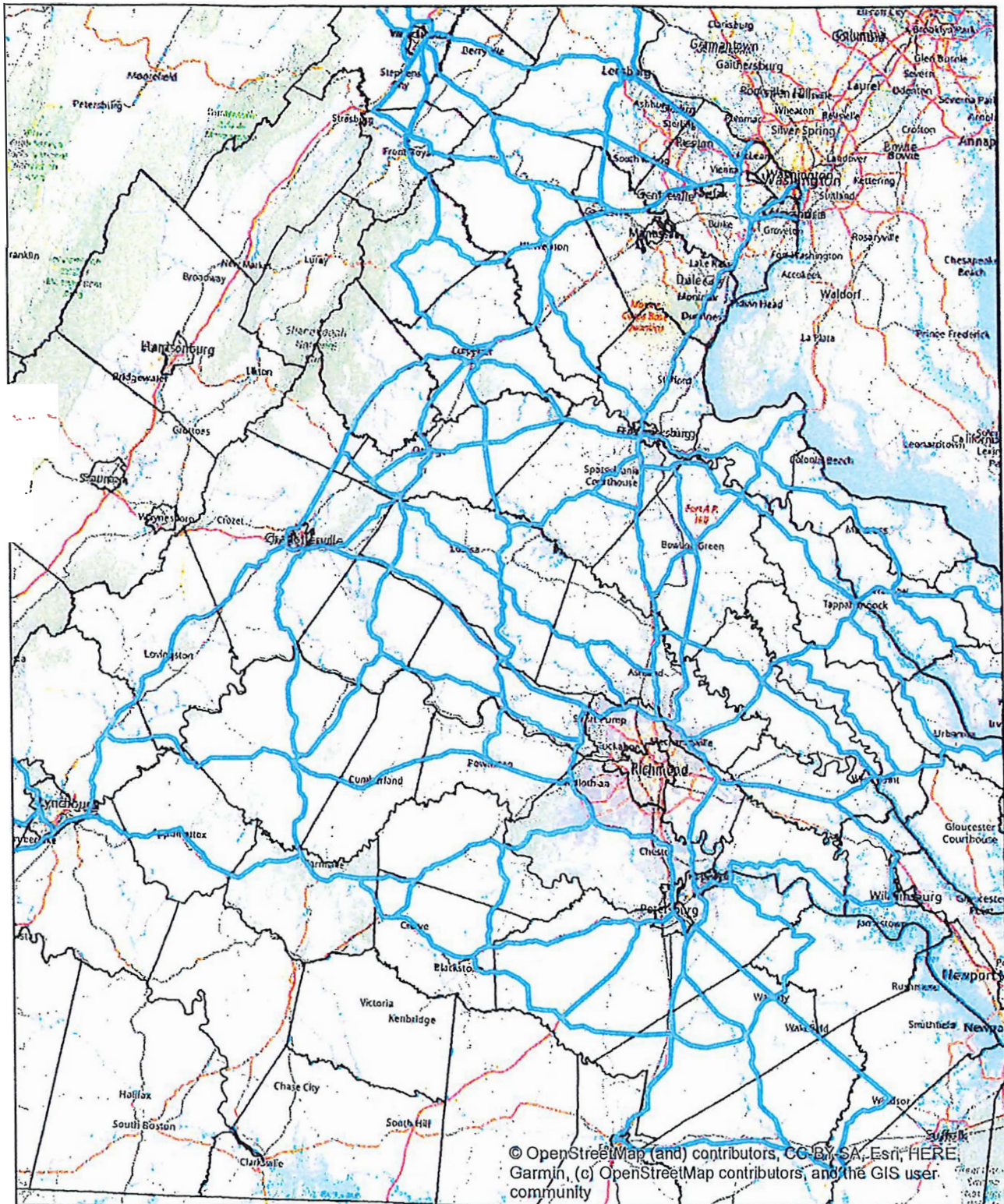





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SYNAGRO



 Haul Route

HAUL ROUTE MAP

1:1,500,000

This map highlights all major routes from approved generators to the locations of permitted sites. The Highlighted routes on the Location Map will pinpoint routes closer to the site.

09/19/2022