LAND APPLICATION SITE

JOHN R. HAILE

EXJRH 1-16

ESSEX COUNTY

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 1-15-16 between JOHN R. HAILE referred to here as "Landowner", and Recyc Systems, Inc, 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 ESSEX CTY Virginia, which includes the agricultural, silvicultural or reclamation sites identified below in Table 1 and identified on the tax map(s) 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
42-35B	42-42		
42-43	41-22		
42-35	42-47B		
42-33	42-45		
42-31	42-46		

☐ 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. + WIFE

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.

Class B biosolids	Water treatment residuals	Food processing waste	Other industrial sludges
☒ Yes ☐ No	☒ Yes ☐ No	☒ Yes ☐ No	☒ Yes ☐ No

JOHN R. HAILE — Landowner – Printed Name, Title
John R Haile — Signature
460 LATANES Mill Rd — Mailing Address & Phone Number
804-443-3418 TAPPAHANNOCK VA 22560

Permittee:
Recyc Systems, Inc, 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.

☐ I reviewed the document(s) assigning signatory authority to the person signing for landowner above. I will make a copy of this document(s) available to DEQ for review upon request. (Do not check this box if the landowner signs this agreement)

Permittee – Authorized Representative Printed Name
Signature
PO Box 562 Remington, Virginia 22734
Mailing Address

VIRGINIA POLLUTION ABATEMENT PERMIT APPLICATION: PART D-VI LAND APPLICATION AGREEMENT

Permittee: Recyc Systems, Inc County or City: ESSEX

Landowner: JOHN R. HAILE

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).

John R Haile 1-15-16

Landowner's Signature Date

John R Haile 460 LATANES Mill Rd.

Farm Operator Signature Mailing Address & Phone Number

TAPPAHANNOCK VA 22560

804 443 7418

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 2-1-16 between Patricia R. Haile referred to here as "Landowner", and Recyc Systems, Inc, 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 Essex Co, Virginia, which includes the agricultural, silvicultural or reclamation sites identified below in Table 1 and identified on the tax map(s) 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

☐ 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.

Class B biosolids	Water treatment residuals	Food processing waste	Other industrial sludges
☒ Yes ☐ No	☒ Yes ☐ No	☒ Yes ☐ No	☒ Yes ☐ No

Patricia R. Haile (Patricia R. Haile) 460 Latanes Mill Rd Tappahannock VA 22560
Landowner – Printed Name, Title | Signature | Mailing Address & Phone Number
Tel # 804-443-2418

Permittee:

Recyc Systems, Inc, 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.

☐ I reviewed the document(s) assigning signatory authority to the person signing for landowner above. I will make a copy of this document(s) available to DEQ for review upon request. (Do not check this box if the landowner signs this agreement)

Recyc Systems Inc
PO Box 562 Remington, Virginia 22734
Permittee – Authorized Representative Printed Name | Signature | Mailing Address

VIRGINIA POLLUTION ABATEMENT PERMIT APPLICATION: PART D-VI LAND APPLICATION AGREEMENT

Permittee: Recyc Systems, Inc County or City: Essex Co.

Landowner: Patricia R Haile

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).

Patricia R Haile 1-29-2016

Landowner's Signature Date

Patricia R Haile 460 Latanes Mill Rd Tappahannock VA 22560

Farm Operator Signature Mailing Address & Phone Number

804-443-2418

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 1-27-2016 between GEORGE TOWNS referred to here as "Landowner", and Recyc Systems, Inc, 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 _____, Virginia, which includes the agricultural, silvicultural or reclamation sites identified below in Table 1 and identified on the tax map(s) 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
42-44			

☐ 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.

Class B biosolids	Water treatment residuals	Food processing waste	Other industrial sludges
☒ Yes ☐ No	☒ Yes ☐ No	☒ Yes ☐ No	☒ Yes ☐ No

George T. Towns Sr — Landowner – Printed Name, Title
George T. Towns Sr — Signature
P.O. Box 2064 Tapp. Va. 22560 — Mailing Address & Phone Number

Permittee:

Recyc Systems, Inc, 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.

☐ I reviewed the document(s) assigning signatory authority to the person signing for landowner above. I will make a copy of this document(s) available to DEQ for review upon request. (Do not check this box if the landowner signs this agreement)

Permittee – Authorized Representative Printed Name
Signature
PO Box 562 Remington, Virginia 22734
Mailing Address

VIRGINIA POLLUTION ABATEMENT PERMIT APPLICATION: PART D-VI LAND APPLICATION AGREEMENT

Permittee: Recyc Systems, Inc **County or City:** ESSEX

Landowner: GEORGE T. TOWNS, 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,
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   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 — Date: 1-27-2016

Farm Operator Signature — Date: 2-1-16

FSN 2053 TRACT 749

Mailing Address & Phone Number

FARM DATA SHEET

SITE NAME:	John R. Haile	**COUNTY:**	Essex
OWNER:	See List Below	**OPERATOR:**	John R. Haile
OWNER'S ADDRESS:	See List Below	**OPERATOR'S ADDRESS:**	460 Latanes Mill Rd. Tappahannock, VA 22560
OWNER'S TELEPHONE:	See List Below	**OPERATOR'S TELEPHONE:**	804-443-2418
GENERAL FARM TYPE:	Pasture/ Hay	**CELL PHONE:**	804-514-4820
# CATTLE:	125	**EMAIL:**	-
LAGOON or SLURRY:	None	**LATITUDE:**	37°50'52"N
TOPO QUAD:	Millers Tavern and Aylett	**LONGITUDE:**	76°58'34"W
COMMENTS:	Fields 1-15 John R. and Patricia R. Haile Trustee 460 Lantanes Mill Rd. Tappahannock, VA 22560 804-443-2418	Field 16 George T. Towns, Jr. P.O. Box 2064 Tappahannock, VA 22560	
			SD

RECYC SYSTEMS, INC
FIELD DATA SHEET

Field Identification	Gross Acres	Environmentally Sensitive Soils				Hydro Map	Tax Map #	FSA Tract #
		Water Table	Bed Rock/Shallow	Surf/Leach	Freq Flood			
EXJRH 1	17.5	20D Nov.-Apr.	-	-	-	RA 61	TM 42-42	T 744 F 2, 5
EXJRH 2	23.0	20D Nov.-Apr.	-	-	-	RA 61	TM 42-43	T 385 F 1
EXJRH 3	35.2	20D Nov.-Apr.	-	-	-	RA 61	TM 42-42	T 744 F 6
EXJRH 4	8.2	-	-	-	-	RA 61	TM 42-42	T 744 F 9
EXJRH 5	26.4	20D Nov.-Apr.	-	-	-	RA 61	TM 42-42	T 744 F 8
EXJRH 6	22.0	3A Dec.-Apr. 20D Nov.-Apr.	-	-	3A Jan.-May	RA 61	TM 42-42	T 744 F 7
EXJRH 7	33.4	20D Nov.-Apr.	-	-	-	RA 61	TM 42-42	T 744 F 4
EXJRH 8	15.8	20D Nov.-Apr.	-	-	-	RA 61	TM 42-42	T 744 F 3, 10
EXJRH 9	12.4	20D Nov.-Apr.	-	-	-	RA 61	TM 42-42	T 744 F 1
EXJRH 10	24.0	-	-	-	-	RA 61	TM 42-42	T 744 F 1
EXJRH 11	8.1	-	-	-	-	RA 61	TM 42-33	T 425 F 1
EXJRH 12	17.0	-	-	-	-	RA 61	TM 42-31	T 401 F 1, 2
EXJRH 13	33.2	-	-	-	-	RA 61	TM 42-35 TM 42-35B	T 767 F 1

EXJRH 14	24.6	21C Nov.-Apr.	-	-	-	RA 61	TM 41-22	T 797 F 2
EXJRH 15	23.2	20D Nov.-Apr.	-	-	-	RA 61	TM 41-22	T 797 F 1
EXJRH 16	12.6	-	-	-	-	RA 61	TM 42-44	T 749 F 1
TOTAL ACRES IN SITE	336.6							

VIRGINIA POLLUTION ABATEMENT PERMIT APPLICATION: PART D-VI LAND APPLICATION AGREEMENT

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 from original signature must be attached for each legal landowner identified below prior to land application at the identified parcels.

Permittee: Recyc Systems Inc. Site Name: John R. Haile

County or City: Essex Co.

Please Print

Signature not required on this page

Tax Parcel ID(s)	Landowners (s)
42-31	John R. and Patricia R. Haile Tr.
42-33	John R. and Patricia R. Haile Tr.
42-35	John R. and Patricia R. Haile Tr.
42-35B	John R. and Patricia R. Haile Tr.
42-42	John R. and Patricia R. Haile Tr.
42-43	John R. and Patricia R. Haile Tr.
41-22	John R. and Patricia R. Haile Tr.
42-44	George T. Towns, Jr.

THE PLANNER IS NOT STATE CERTIFIED

Nutrient Management Plan Balance Sheet
(Spring, 2016-Summer, 2018)
John R. Haile
Planner: Recyc Systems, Inc

Tract: 385 Location: Essex

(N = N based, 1P = P based, 1.5P = P based at 1.5 removal, 0P = No P allowed)

Field CFSA No. /Name	Size (ac) Total/ Used	Yr.	Crop	Needs N-P-K (lbs/ac)	Leg /Man Resid	Manure/Biosld Rate & Type (season)	IT (d)	Man/Bios N-P-K (lbs/ac)	Net = Needs - appld N-P-K (lbs/ac)	Sum P rem cred	Commercial N-P-K (lbs/ac)	Notes	
1/EXJRH 2(N)	23/23	2016	Grass Pasture	50-30-40	0/0				50-30-40	N/A			

Commercial Application Methods:

br - Broadcast ba - Banded sd - Sidedress

Notes:

Tract: 401 Location: Essex

(N = N based, 1P = P based, 1.5P = P based at 1.5 removal, 0P = No P allowed)

Field CFSA No. /Name	Size (ac) Total/ Used	Yr.	Crop	Needs N-P-K (lbs/ac)	Leg /Man Resid	Manure/Biosld Rate & Type (season)	IT (d)	Man/Bios N-P-K (lbs/ac)	Net = Needs - appld N-P-K (lbs/ac)	Sum P rem cred	Commercial N-P-K (lbs/ac)	Notes	
1, 2/EXJRH 12(N)	17/17	2016	Fescue grass hay mt.	70-50-95	0/0				70-50-95	N/A			

Commercial Application Methods:

br - Broadcast ba - Banded sd - Sidedress

Notes:

Tract: 425 Location: Essex

(N = N based, 1P = P based, 1.5P = P based at 1.5 removal, 0P = No P allowed)

Field CFSA No. /Name	Size (ac) Total/ Used	Yr.	Crop	Needs N-P-K (lbs/ac)	Leg /Man Resid	Manure/Biosld Rate & Type (season)	IT (d)	Man/Bios N-P-K (lbs/ac)	Net = Needs - appld N-P-K (lbs/ac)	Sum P rem cred	Commercial N-P-K (lbs/ac)	Notes	
1/EXJRH 11(N)	8/8	2016	Fescue grass hay mt.	70-50-95	0/0				70-50-95	N/A			

Commercial Application Methods:

br - Broadcast ba - Banded sd - Sidedress

Notes:

Tract: 744 Location: Essex

(N = N based, 1P = P based, 1.5P = P based at 1.5 removal, 0P = No P allowed)

Field CFSA No. /Name	Size (ac) Total/ Used	Yr.	Crop	Needs N-P-K (lbs/ac)	Leg /Man Resid	Manure/Biosld Rate & Type (season)	IT (d)	Man/Bios N-P-K (lbs/ac)	Net = Needs - appld N-P-K (lbs/ac)	Sum P rem cred	Commercial N-P-K (lbs/ac)	Notes	
2, 5/EXJRH 1(N)	18/18	2016	Grass Pasture	50-30-40	0/0				50-30-40	N/A			
6/EXJRH 3(N)	35/35	2016	Grass Pasture	50-30-40	0/0				50-30-40	N/A			
9/EXJRH 4(N)	8/8	2016	Grass Pasture	50-30-40	0/0				50-30-40	N/A			
8/EXJRH 5(N)	26/26	2016	Grass Pasture	50-30-40	0/0				50-30-40	N/A			
7/EXJRH 6(N)	22/22	2016	Grass Pasture	50-30-40	0/0				50-30-40	N/A			
4/EXJRH 7(N)	33/33	2016	Grass Pasture	50-30-40	0/0				50-30-40	N/A			
3, 10/EXJRH 8(N)	16/16	2016	Hay/Pasture	100-50-95	0/0				100-50-95	N/A			
1/EXJRH 9(N)	12/12	2016	Fescue grass hay mt.	70-50-95	0/0				70-50-95	N/A			
1/EXJRH 10(N)	24/24	2016	Fescue grass hay mt.	70-50-95	0/0				70-50-95	N/A			

Commercial Application Methods:

br - Broadcast ba - Banded sd - Sidedress

Notes:

Tract: 749 Location: Essex

(N = N based, 1P = P based, 1.5P = P based at 1.5 removal, 0P = No P allowed)

Field CFSA No. /Name	Size (ac) Total/ Used	Yr.	Crop	Needs N-P-K (lbs/ac)	Leg /Man Resid	Manure/Biosld Rate & Type (season)	IT (d)	Man/Bios N-P-K (lbs/ac)	Net = Needs - appld N-P-K (lbs/ac)	Sum P rem cred	Commercial N-P-K (lbs/ac)	Notes	
1/EXJRH 16(N)	13/13	2016	Fescue grass hay mt.	90-80-170	0/0				90-80-170	N/A			

Commercial Application Methods:

br - Broadcast ba - Banded sd - Sidedress

Notes:

Tract: 767 Location: Essex

(N = N based, 1P = P based, 1.5P = P based at 1.5 removal, 0P = No P allowed)

Field CFSA No. /Name	Size (ac) Total/ Used	Yr.	Crop	Needs N-P-K (lbs/ac)	Leg /Man Resid	Manure/Biosld Rate & Type (season)	IT (d)	Man/Bios N-P-K (lbs/ac)	Net = Needs - appld N-P-K (lbs/ac)	Sum P rem cred	Commercial N-P-K (lbs/ac)	Notes	
1/EXJRH 13(N)	33/33	2016	Fescue grass hay mt.	70-50-95	0/0				70-50-95	N/A			

Commercial Application Methods:

br - Broadcast ba - Banded sd - Sidedress

Notes:

Tract: 797 Location: Essex

(N = N based, 1P = P based, 1.5P = P based at 1.5 removal, 0P = No P allowed)

Field CFSA No. /Name	Size (ac) Total/ Used	Yr.	Crop	Needs N-P-K (lbs/ac)	Leg /Man Resid	Manure/Biosld Rate & Type (season)	IT (d)	Man/Bios N-P-K (lbs/ac)	Net = Needs - appld N-P-K (lbs/ac)	Sum P rem cred	Commercial N-P-K (lbs/ac)	Notes	
2/EXJRH 14(N)	25/25	2016	Grass Pasture	50-80-80	0/0				50-80-80	N/A			
1/EXJRH 15(N)	23/23	2016	Grass Pasture	50-30-40	0/0				50-30-40	N/A			

Commercial Application Methods:

br - Broadcast ba - Banded sd - Sidedress

Notes:

Soil Test Summary

Tract	Field	Acre	Date	P2O5	K2O	Lab	Soil pH	Lime Date	rec. lime tons/Ac
385	EXJRH 2	23	[No Test]						
401	EXJRH 12	17	[No Test]						
425	EXJRH 11	8	[No Test]						
744	EXJRH 1	18	[No Test]						
744	EXJRH 3	35	[No Test]						
744	EXJRH 4	8	[No Test]						
744	EXJRH 5	26	[No Test]						
744	EXJRH 6	22	[No Test]						
744	EXJRH 7	33	[No Test]						
744	EXJRH 8	16	[No Test]						
744	EXJRH 9	12	[No Test]						
744	EXJRH 10	24	[No Test]						
749	EXJRH 16	13	[No Test]						
767	EXJRH 13	33	[No Test]						
797	EXJRH 14	25	[No Test]						
797	EXJRH 15	23	[No Test]						

Field Productivities for Major Crops

Tract Name	Tract/ Field	Field Name	Acres	Predominant Soil Series	Corn	Small Grain	Alfalfa	Grass Hay	Environmental Warnings
385	385/1	EXJRH 2	23	Suffolk	IIIb	II	Not Suited	III	
401	401/1, 2	EXJRH 12	17	Suffolk	IIIb	II	Not Suited	III	
425	425/1	EXJRH 11	8	Suffolk	IIIb	II	Not Suited	III	
744	744/2, 5	EXJRH 1*	18	Suffolk	IVa	II	Not Suited	III	High Leaching, High Slope
	744/6	EXJRH 3*	35	Suffolk	IVa	II	Not Suited	III	High Leaching, High Slope
	744/9	EXJRH 4*	8	Rumford	IVa	II	Not Suited	III	High Leaching, High Slope
	744/8	EXJRH 5*	26	Rumford	IVa	II	Not Suited	III	High Leaching, Poor Drain
	744/7	EXJRH 6*	22	Rumford	IVa	II	Not Suited	III	High Leaching, Poor Drain
	744/4	EXJRH 7*	33	Suffolk	IIIb	II	Not Suited	III	High Leaching, High Slope
	744/3, 10	EXJRH 8	16	Suffolk	IIIb	II	Not Suited	III	
	744/1	EXJRH 9	12	Suffolk	IIIb	II	Not Suited	III	
	744/1	EXJRH 10	24	Suffolk	IIIb	II	Not Suited	III	
749	749/1	EXJRH 16	13	Emporia	IIIa	II	III	II	
767	767/1	EXJRH 13	33	Suffolk	IIIb	II	Not Suited	III	
797	797/2	EXJRH 14	25	Kempsville	IIIa	II	Not Suited	II	
	797/1	EXJRH 15	23	Kempsville	IIIb	II	Not Suited	III	

* Do not apply manure or biosolids more than 30 days prior to planting. Apply commercial fertilizer nitrogen to row crops in split spring applicaions.

Yield Range

Field Productivity Group	Corn Grain Bu/Acre	Barley/Intensive Wheat Bu/Acre	Std. Wheat Bu/Acre	Alfalfa Tons/Acre	Grass/Hay Tons/Acre
I	>170	>80	>64	>6	>4.0
II	150-170	70-80	56-64	4-6	3.5-4.0
III	130-150	60-70	48-56	<4	3.0-3.5
IV	100-130	50-60	40-48	NA	<3.0
V	<100	<50	<40	NA	NA

Farm Summary Report

Plan: **New Plan** **Spring, 2016 - Summer, 2018**

Farm Name: **John R. Haile**
Location: Essex
Specialist: Recyc Systems, Inc
N-based Acres: 336.6
P-based Acres: 0.0

Tract Name: **385**
FSA Number: 385
Location: Essex

Field Name: **EXJRH 2**
Total Acres: 23.00 Usable Acres: 23.00
FSA Number: 1
Tract: 385
Location: Essex
Slope Class: B Hydrologic Group: B

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

Conservation Practices:
Pasture (>75% cover)

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	9B	Emporia
19	20D	Rumford Slagle
79	23B	Suffolk

Field Warnings:

Crop Rotation:

PLANTED	YIELD	CROP NAME
2016-Sp	2.2 * acres/AU	Orchard grass/fescue pastures<=25% legume, maint. - No Till

Tract Name: **401**
FSA Number: 401
Location: Essex

Field Name: **EXJRH 12**
Total Acres: 17.00 Usable Acres: 17.00
FSA Number: 1, 2
Tract: 401
Location: Essex
Slope Class: B Hydrologic Group: B

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

Conservation Practices:
Pasture (>75% cover)

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
35	9B	Emporia

65	23B	Suffolk

Field Warnings:

Crop Rotation:

PLANTED	YIELD	CROP NAME
2016-Sp	2.9 * tons	Fescue grass (hay), maint. - No Till

Tract Name: **425**
FSA Number: 425
Location: Essex

Field Name: **EXJRH 11**
Total Acres: 8.10 Usable Acres: 8.10
FSA Number: 1
Tract: 425
Location: Essex
Slope Class: B Hydrologic Group: B

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

Conservation Practices:
Pasture (>75% cover)

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
100	23B	Suffolk

Field Warnings:

Crop Rotation:

PLANTED	YIELD	CROP NAME
2016-Sp	2.5 tons	Fescue grass (hay), maint. - No Till

Tract Name: **744**
FSA Number: 744
Location: Essex

Field Name: **EXJRH 1**
Total Acres: 17.50 Usable Acres: 17.50
FSA Number: 2, 5
Tract: 744
Location: Essex
Slope Class: C Hydrologic Group: C

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

Conservation Practices:
Pasture (>75% cover)

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
45	20D	Rumford Slagle
55	23B	Suffolk

Field Warnings:
Environmentally Sensitive Soils due to:

Soils with potential for leaching based on soil texture or excessive drainage

Soils with perent slope in excess of 15%

Crop Rotation:

PLANTED	YIELD	CROP NAME
2016-Sp	2.2 * acres/AU	Orchard grass/fescue pastures<=25% legume, maint. - No Till

Field Name: **EXJRH 3**
Total Acres: 35.20 Usable Acres: 35.20
FSA Number: 6
Tract: 744
Location: Essex
Slope Class: C Hydrologic Group: C

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

Conservation Practices:
Pasture (>75% cover)

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
20	19E	Emporia Rumford
25	20D	Rumford Slagle
55	23B	Suffolk

Field Warnings:
Environmentally Sensitive Soils due to:

Soils with potential for leaching based on soil texture or excessive drainage

Soils with perent slope in excess of 15%

Crop Rotation:

PLANTED	YIELD	CROP NAME
2016-Sp	2.1 * acres/AU	Orchard grass/fescue pastures<=25% legume, maint. - No Till

Field Name: **EXJRH 4**

Total Acres: 8.20 Usable Acres: 8.20
FSA Number: 9
Tract: 744
Location: Essex
Slope Class: E Hydrologic Group: C

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

Conservation Practices:
Pasture (>75% cover)

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
100	19E	Emporia Rumford

Field Warnings:
Environmentally Sensitive Soils due to:

Soils with potential for leaching based on soil texture or excessive drainage

Soils with perent slope in excess of 15%

Crop Rotation:

PLANTED	YIELD	CROP NAME
2016-Sp	1.9 acres/AU	Orchard grass/fescue pastures<=25% legume, maint. - No Till

Field Name: **EXJRH 5**
Total Acres: 26.40 Usable Acres: 26.40
FSA Number: 8
Tract: 744
Location: Essex
Slope Class: D Hydrologic Group: C

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

Conservation Practices:
Pasture (>75% cover)

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	3A	Bibb
47	19E	Emporia Rumford
22	20D	Rumford Slagle
23	23B	Suffolk

Field Warnings:

Environmentally Sensitive Soils due to:

Soils with potential for leaching based on soil texture or excessive drainage

Soils with high potential for subsurface lateral flow based on soil texture and poor drainage

Soils with perent slope in excess of 15%

Crop Rotation:

PLANTED	YIELD	CROP NAME
2016-Sp	2.6 * acres/AU	Orchard grass/fescue pastures<=25% legume, maint. - No Till

Field Name: **EXJRH 6**
Total Acres: 22.00 Usable Acres: 22.00
FSA Number: 7
Tract: 744
Location: Essex
Slope Class: D Hydrologic Group: C

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

Conservation Practices:
Pasture (>75% cover)

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
6	3A	Bibb
32	10C	Kempsville

45	19E	Emporia Rumford
17	20D	Rumford Slagle

Field Warnings:
Environmentally Sensitive Soils due to:

Soils with potential for leaching based on soil texture or excessive drainage

Soils with high potential for subsurface lateral flow based on soil texture and poor drainage

Soils with perent slope in excess of 15%

Crop Rotation:

PLANTED	YIELD	CROP NAME
2016-Sp	2.5 * acres/AU	Orchard grass/fescue pastures<=25% legume, maint. - No Till

Field Name: **EXJRH 7**
Total Acres: 33.40 Usable Acres: 33.40
FSA Number: 4
Tract: 744
Location: Essex
Slope Class: C Hydrologic Group: C

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

Conservation Practices:
Pasture (>75% cover)

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
29	10C	Kempsville
5	19E	Emporia Rumford
24	20D	Rumford Slagle
42	23B	Suffolk

Field Warnings:
Environmentally Sensitive Soils due to:

Soils with potential for leaching based on soil texture or excessive drainage

Soils with perent slope in excess of 15%

Crop Rotation:

PLANTED	YIELD	CROP NAME
2016-Sp	2.2 * acres/AU	Orchard grass/fescue pastures<=25% legume, maint. - No Till

Field Name: **EXJRH 8**
Total Acres: 15.80 Usable Acres: 15.80
FSA Number: 3, 10
Tract: 744
Location: Essex
Slope Class: B Hydrologic Group: B

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

Conservation Practices:
Pasture (>75% cover)

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
14	20D	Rumford Slagle
86	23B	Suffolk

Field Warnings:

Crop Rotation:

PLANTED	YIELD	CROP NAME
2016-Sp	2.2 * ton	Hay/Pasture - No Till

Field Name: **EXJRH 9**
Total Acres: 12.40 Usable Acres: 12.40
FSA Number: 1
Tract: 744
Location: Essex
Slope Class: B Hydrologic Group: B

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

Conservation Practices:
Pasture (>75% cover)

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
14	20D	Rumford Slagle
86	23B	Suffolk

Field Warnings:

Crop Rotation:

PLANTED	YIELD	CROP NAME
2016-Sp	2.6 * tons	Fescue grass (hay), maint. - No Till

Field Name: **EXJRH 10**
Total Acres: 24.00 Usable Acres: 24.00
FSA Number: 1
Tract: 744
Location: Essex
Slope Class: B Hydrologic Group: B

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

Conservation Practices:
Pasture (>75% cover)

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
100	23B	Suffolk

Field Warnings:

Crop Rotation:

PLANTED	YIELD	CROP NAME
2016-Sp	2.5 tons	Fescue grass (hay), maint. - No Till

Tract Name: **749**
FSA Number: 749
Location: Essex

Field Name: **EXJRH 16**
Total Acres: 12.60 Usable Acres: 12.60
FSA Number: 1
Tract: 749
Location: Essex
Slope Class: B Hydrologic Group: C

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

Conservation Practices:
Pasture (>75% cover)

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
60	9B	Emporia
2	20D	Rumford Slagle
38	23B	Suffolk

Field Warnings:

Crop Rotation:

PLANTED	YIELD	CROP NAME
2016-Sp	3.1 * tons	Fescue grass (hay), maint. - No Till

Tract Name: **767**

FSA Number: 767
Location: Essex

Field Name: EXJRH 13
Total Acres: 33.20 Usable Acres: 33.20
FSA Number: 1
Tract: 767
Location: Essex
Slope Class: B Hydrologic Group: B

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

Conservation Practices:
Pasture (>75% cover)

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
45	9B	Emporia
2	19E	Emporia Rumford
53	23B	Suffolk

Field Warnings:

Crop Rotation:

PLANTED	YIELD	CROP NAME
2016-Sp	3.0 * tons	Fescue grass (hay), maint. - No Till

Tract Name: 797
FSA Number: 797

Location: Essex

Field Name: **EXJRH 14**
Total Acres: 24.60 Usable Acres: 24.60
FSA Number: 2
Tract: 797
Location: Essex
Slope Class: B Hydrologic Group: B

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

Conservation Practices:
Pasture (>75% cover)

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
57	10B	Kempsville
43	21C	Slagle

Field Warnings:

Crop Rotation:

PLANTED	YIELD	CROP NAME
2016-Sp	1.8 * acres/AU	Orchard grass/fescue pastures<=25% legume, maint. - No Till

Field Name: **EXJRH 15**
Total Acres: 23.20 Usable Acres: 23.20
FSA Number: 1
Tract: 797

Location: Essex
Slope Class: C Hydrologic Group: C

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

Conservation Practices:
Pasture (>75% cover)

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
19	9B	Emporia
5	9C	Emporia
56	10B	Kempsville
19	20D	Rumford Slagle

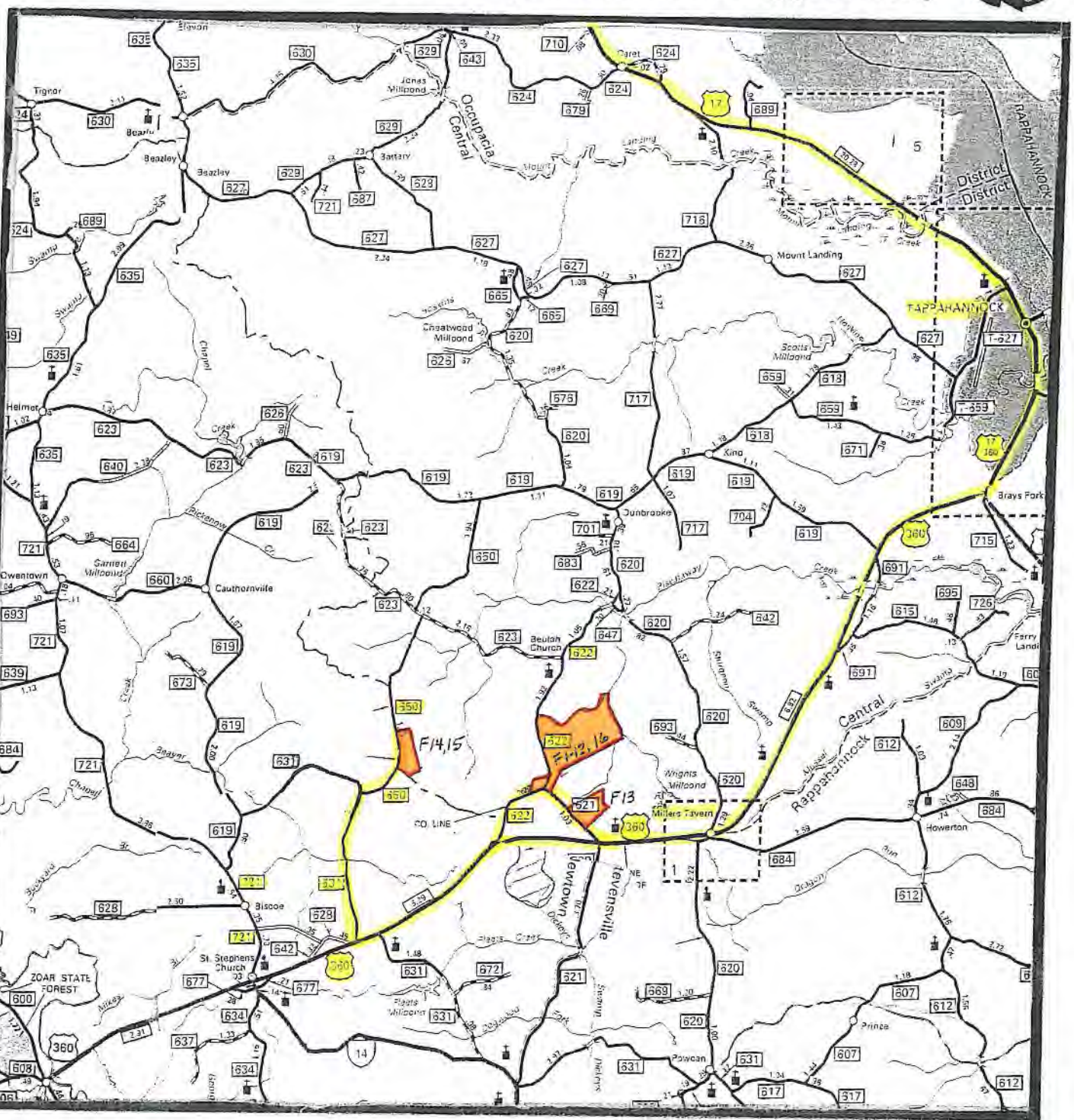
Field Warnings:

Crop Rotation:

PLANTED	YIELD	CROP NAME
2016-Sp	2.0 * acres/AU	Orchard grass/fescue pastures<=25% legume, maint. - No Till

MAPS

Recyc Systems™ Inc. (Biosolids Land Application)



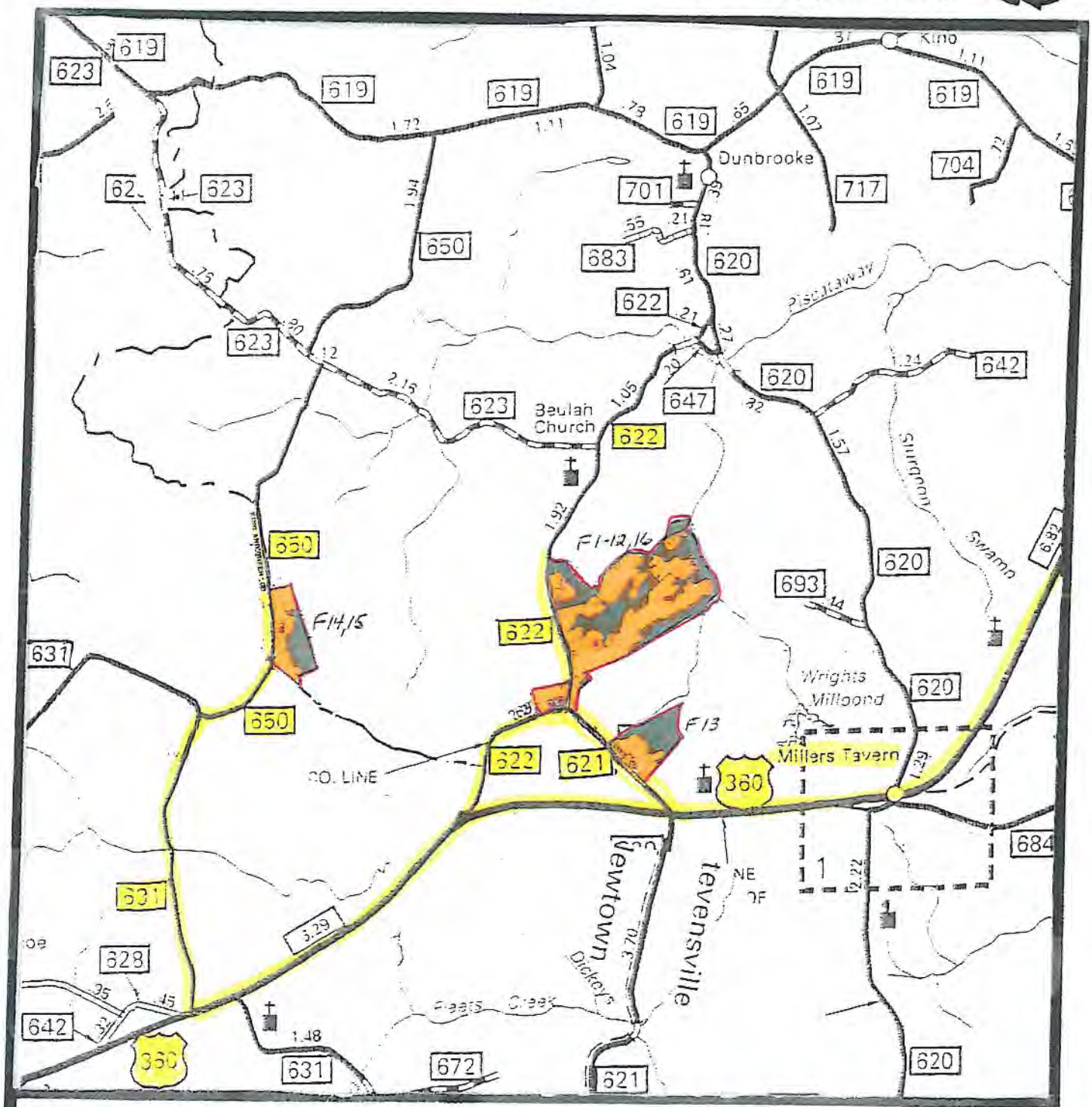
Scale: 1"= 2 miles

EXJRH 1-16

VICINITY MAP

N

Recyc Systems™ Inc. (Biosolids Land Application)



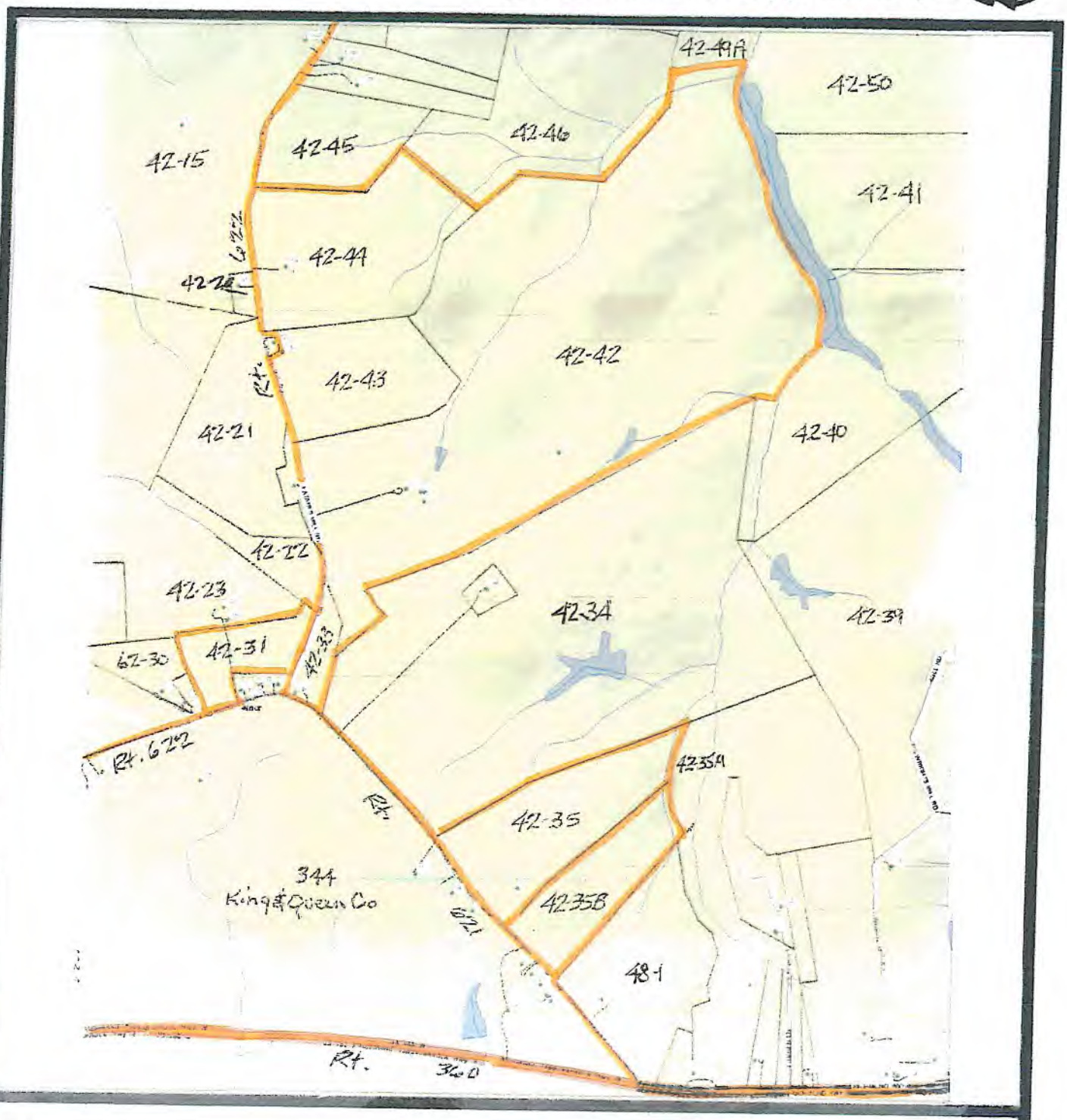
Scale: 1"= 1 mile

EXJRH 1-16

VICINITY MAP

N

Recyc Systems™ Inc. (Biosolids Land Application)



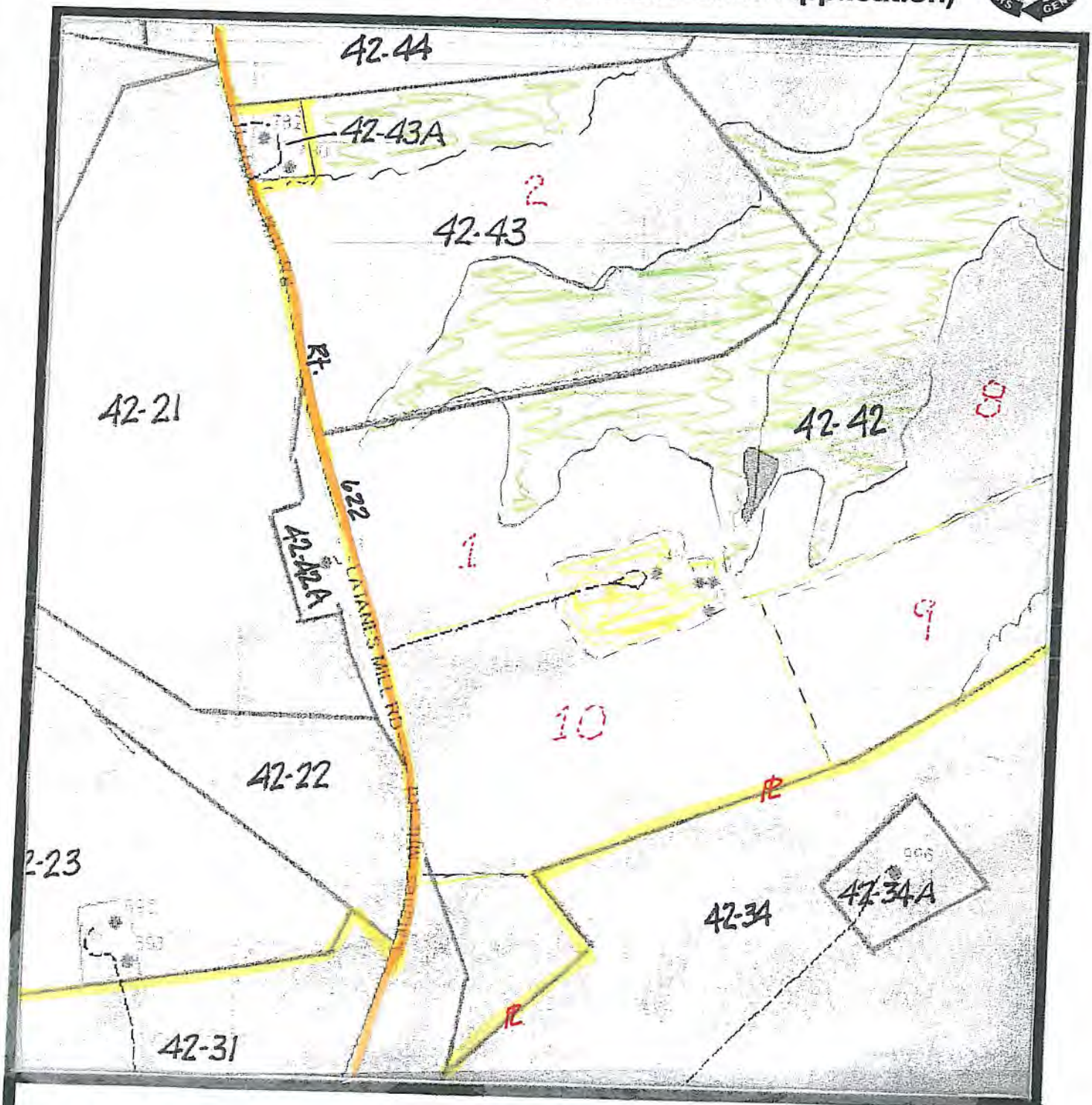
Scale: 1"= 1500'

EXJRH 1-13,16

TAX MAP

N

Recyc Systems™ Inc. (Biosolids Land Application)



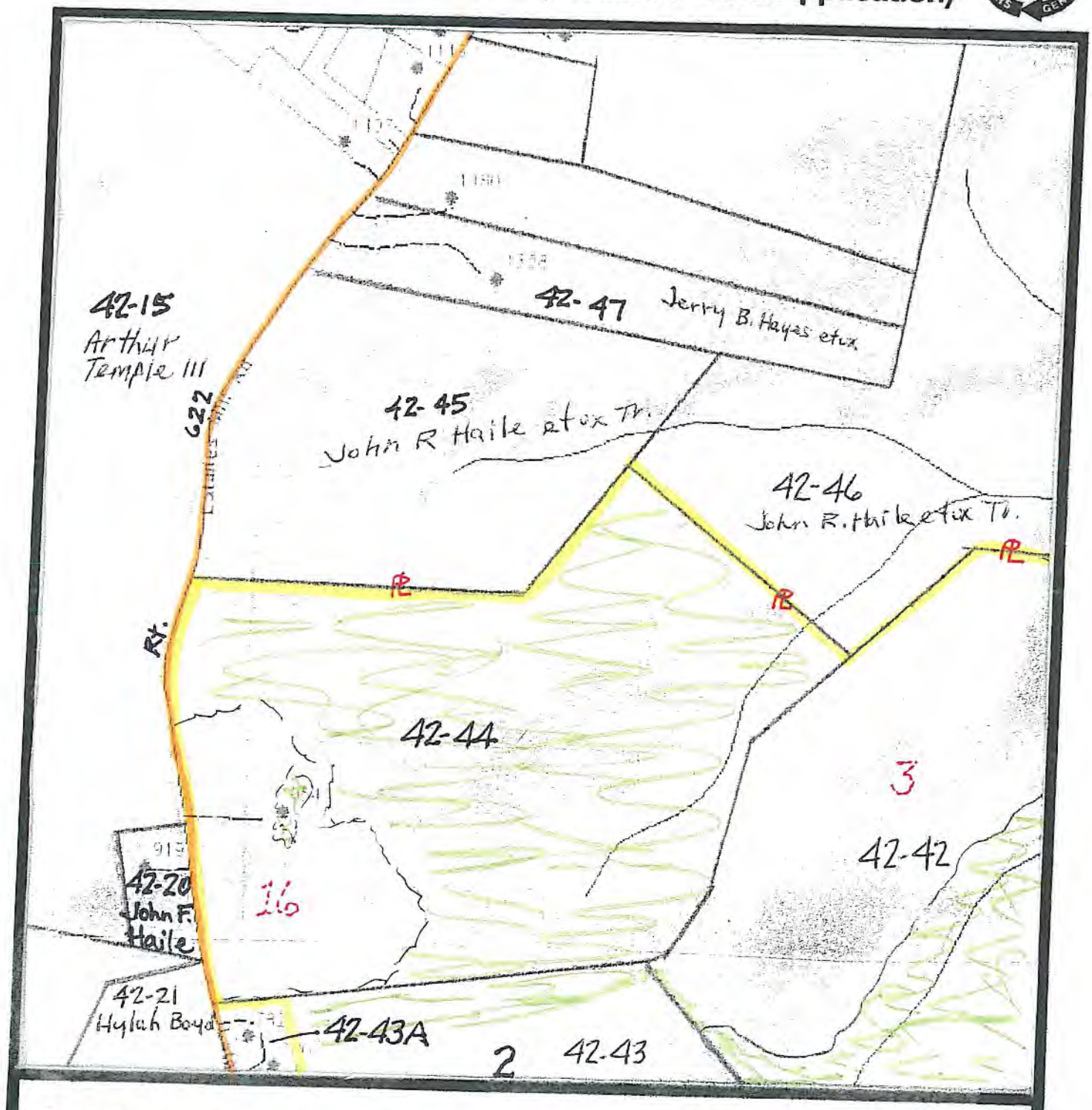
Scale: 1"= 500'

EXJRH 1,2,8-10

TAX MAP

N

Recyc Systems™ Inc. (Biosolids Land Application)



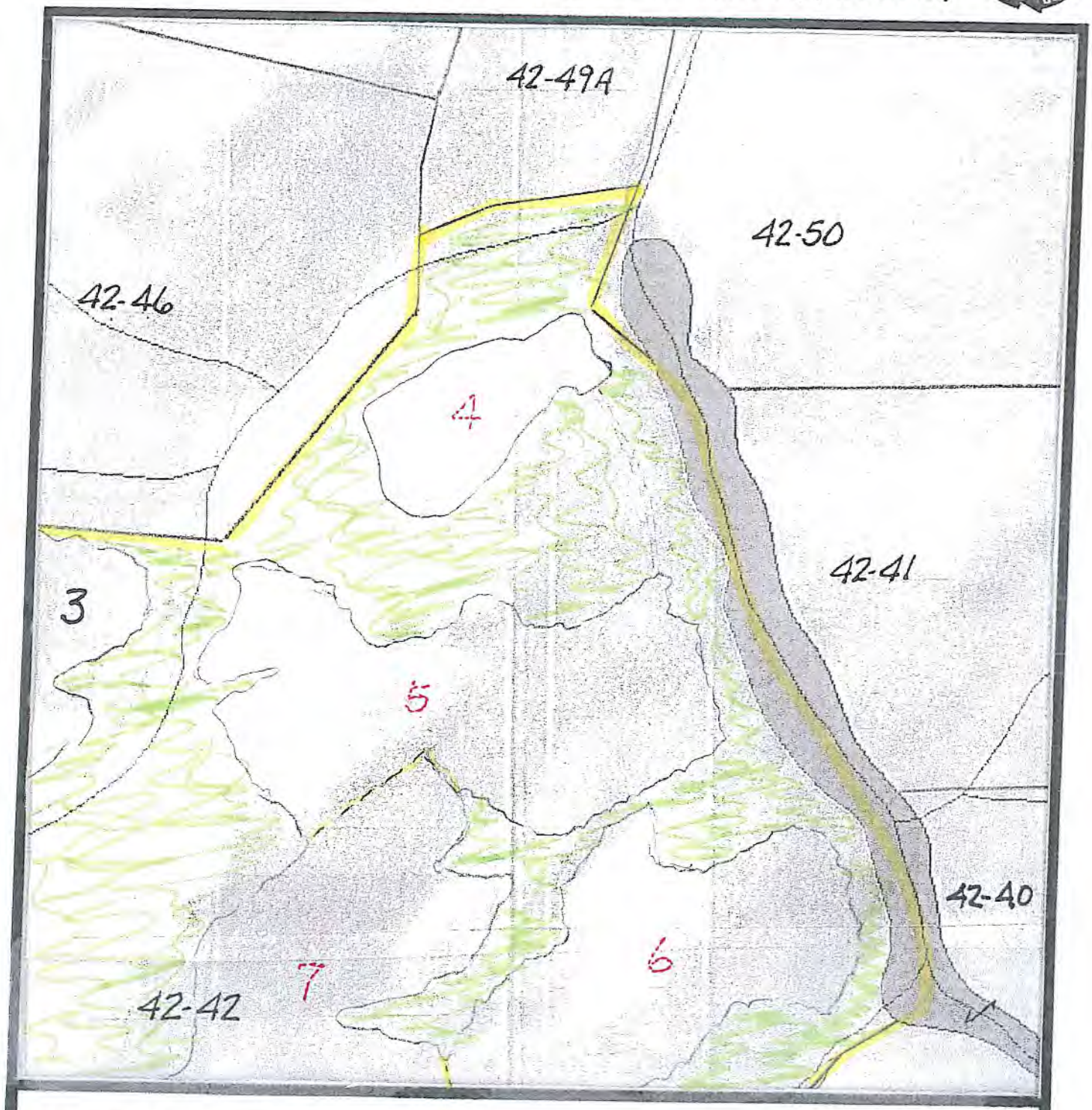
Scale: 1"= 500'

EXJRH 3,16

TAX MAP

N

Recyc Systems™ Inc. (Biosolids Land Application)



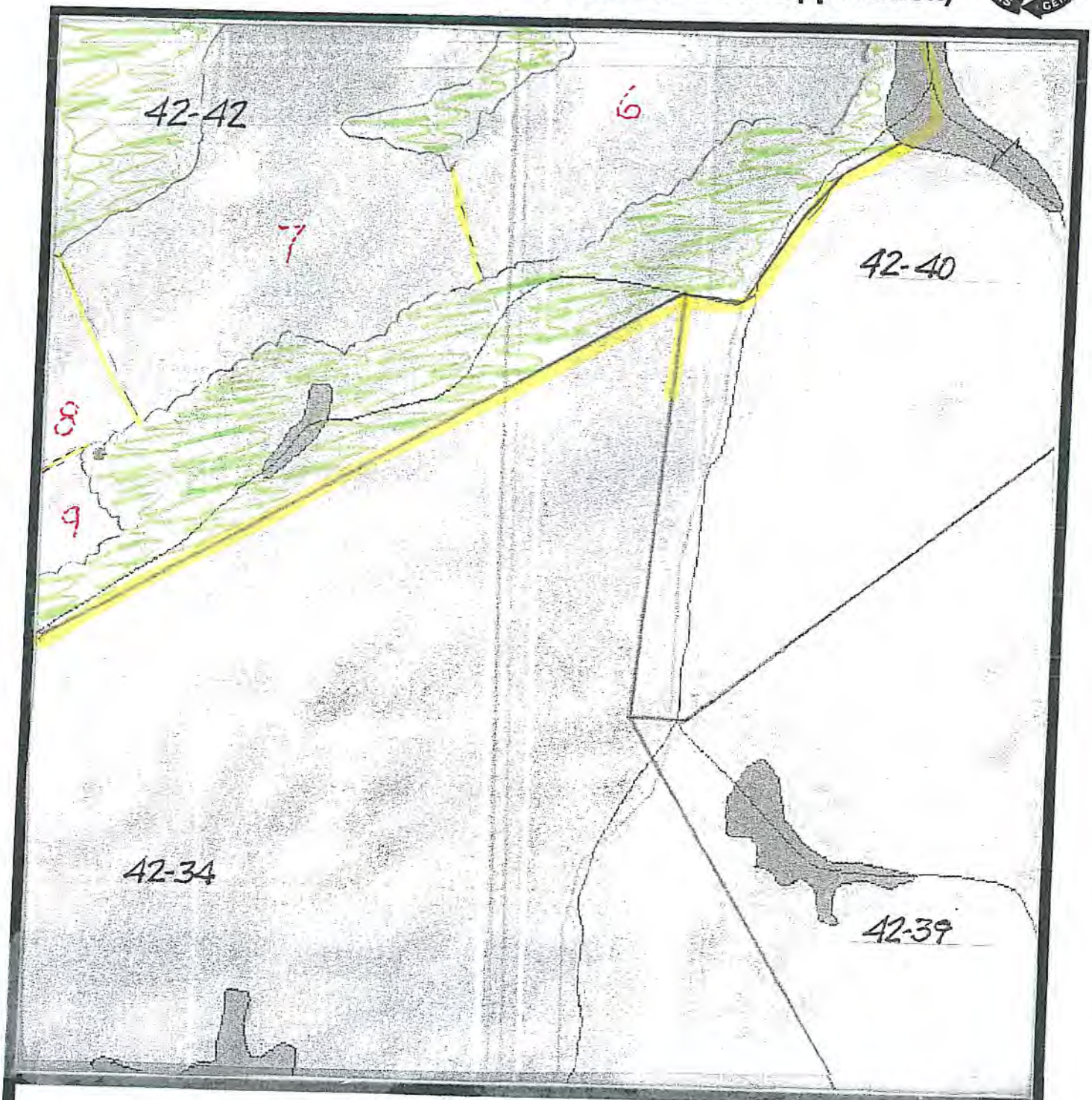
Scale: 1"= 500'

EXJRH 4-7

TAX MAP

N

Recyc Systems™ Inc. (Biosolids Land Application)



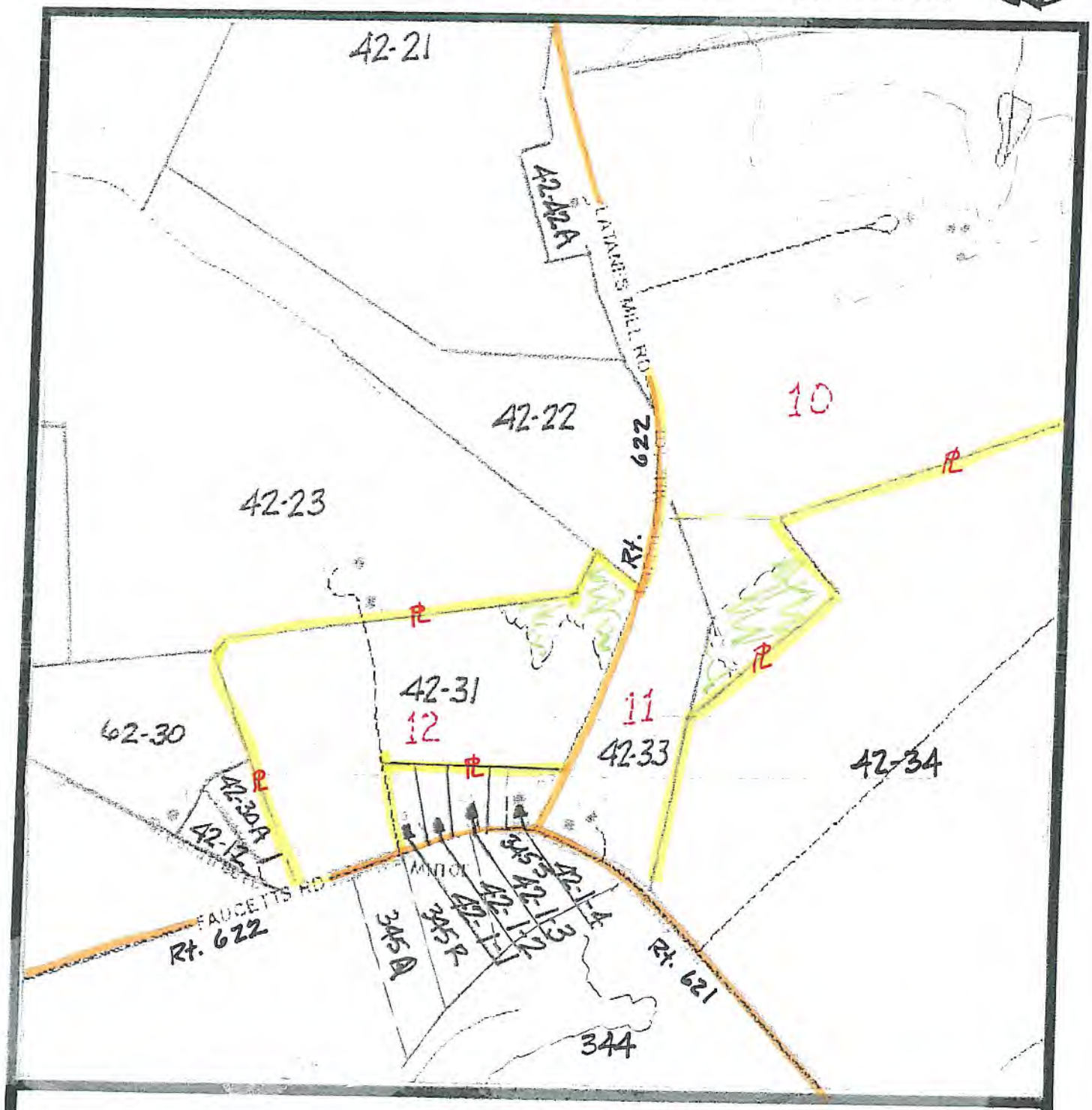
Scale: 1"= 500'

EXJRH 6-9

TAX MAP

N

Recyc Systems™ Inc. (Biosolids Land Application)



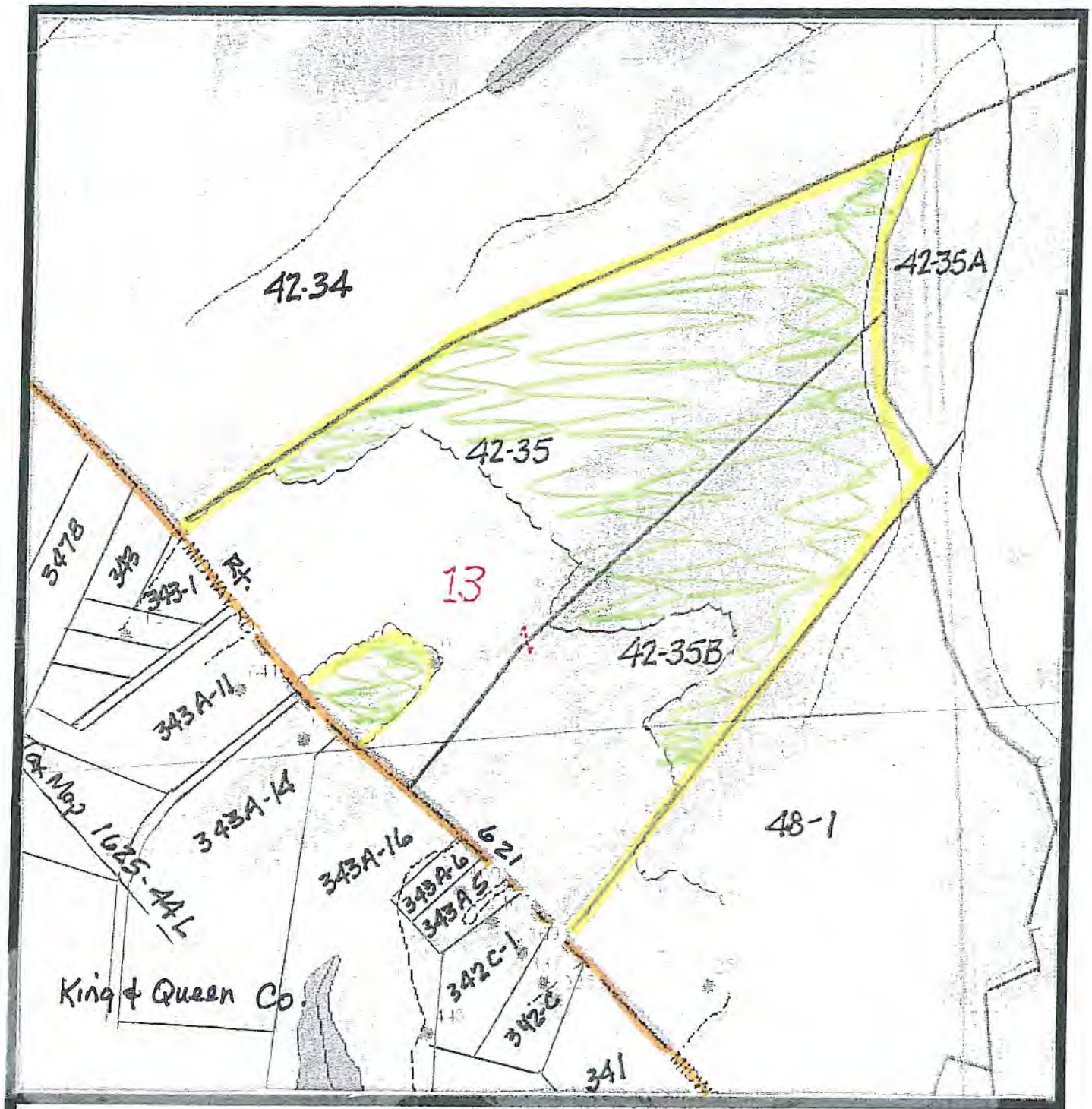
Scale: 1"= 500'

EXJRH 10-12

TAX MAP

N

Recyc Systems™ Inc. (Biosolids Land Application)



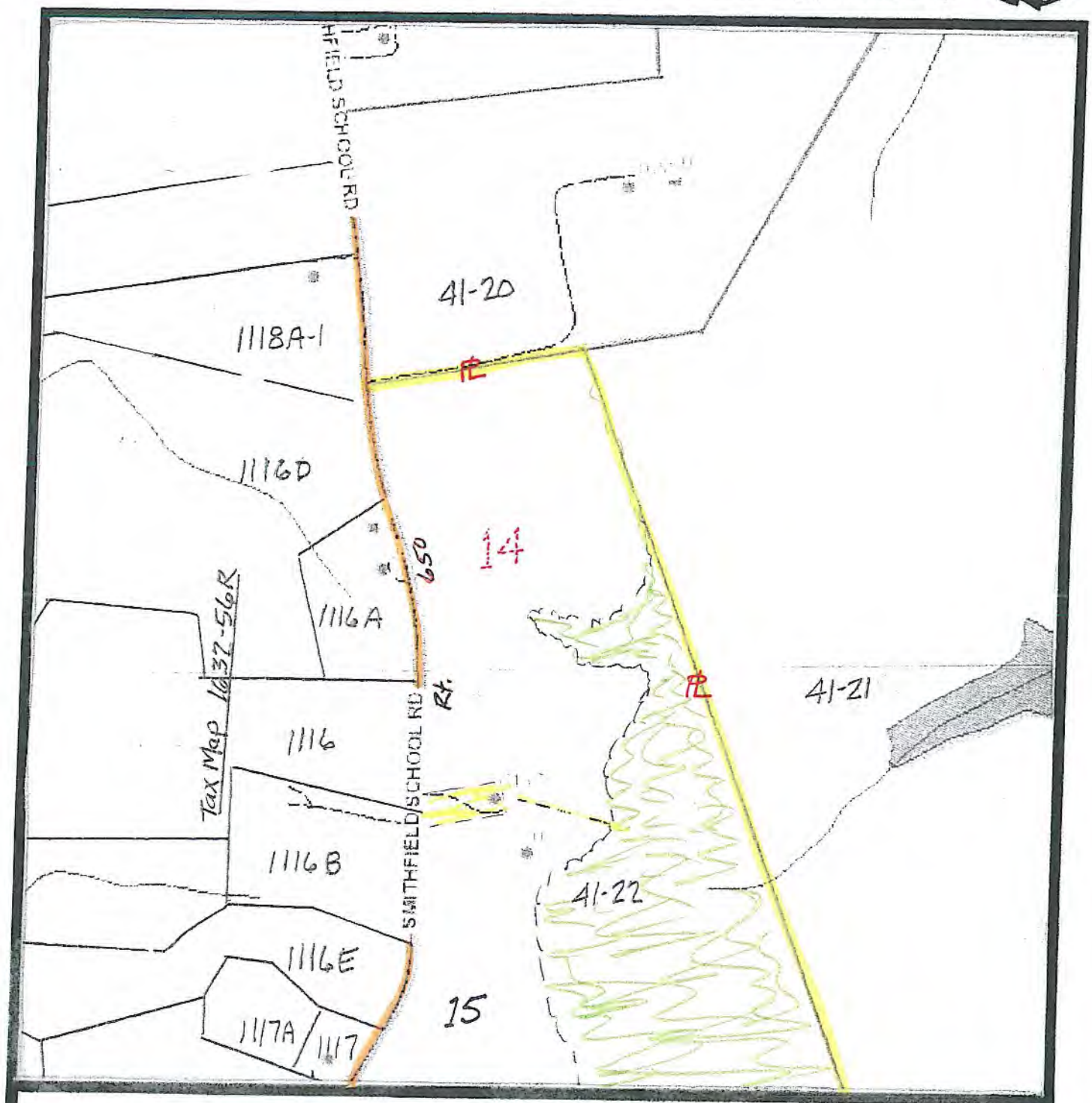
Scale: 1"= 500'

EXJRH 13

TAX MAP

N

Recyc Systems™ Inc. (Biosolids Land Application)



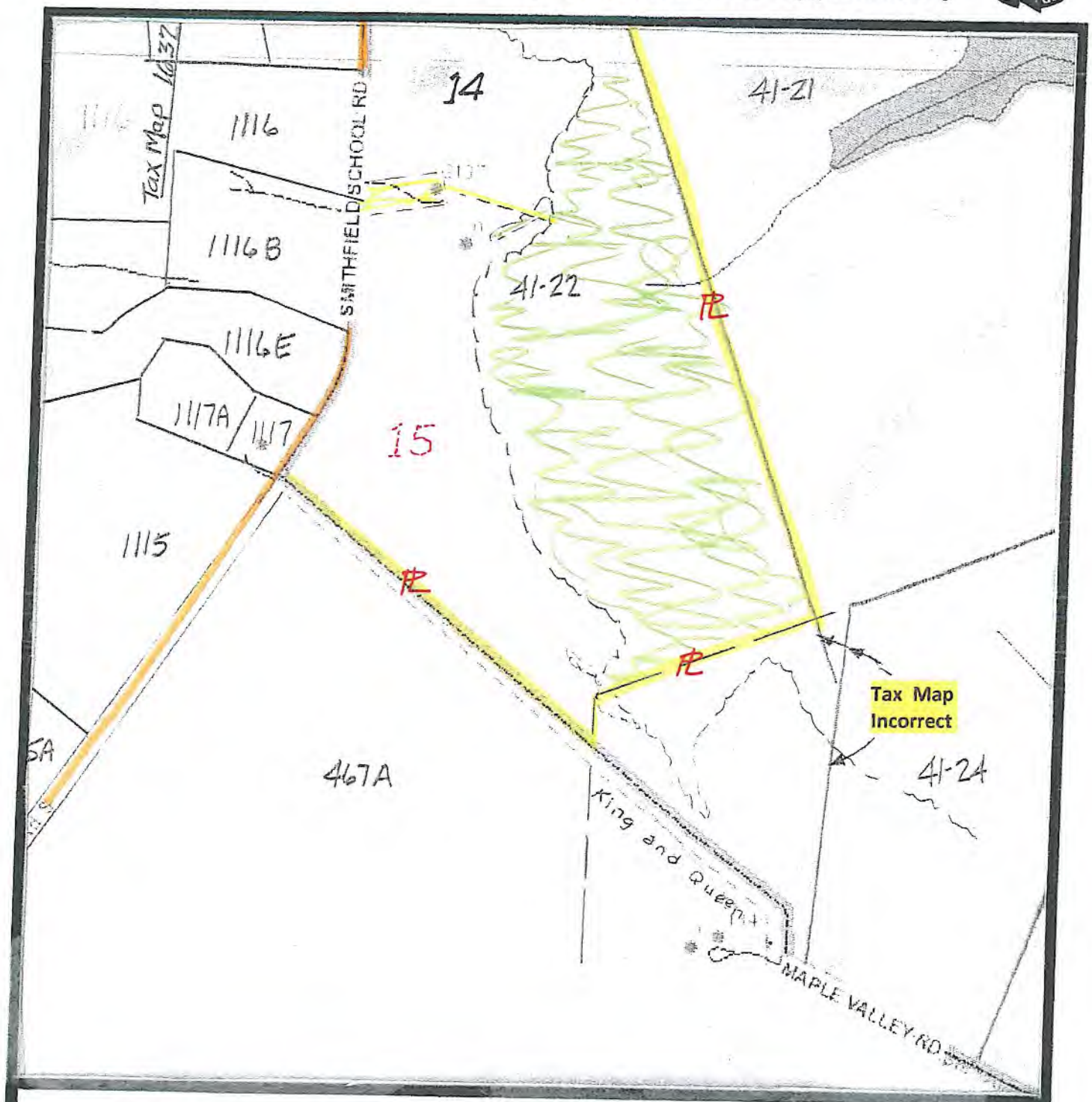
Scale: 1"= 500'

EXJRH 14

TAX MAP

N

Recyc Systems™ Inc. (Biosolids Land Application)



Scale: 1"= 400'

EXJRH 15

TAX MAP

N

ADJOINING LANDOWNERS

John R. Haile

ESSEX COUNTY

Tax Map	Parcel #	Owner Name(s)
41	20	Shirley Chenault Parker et. al.
	21	Carter Lumber Co Inc.
	24	Janet L. Bareford
42	12	James R. Johnson
	21	Hylah H. Boyd
	22	Hylah H. Boyd
	23	Mary R. Moore et. als.
	30	Midway
	30A	Shirley Johnson
	34	Charlottes Haile Frischkorn
	34A	John F. Haile
	35A	Timber Resources LLC
	39	John R. Kline II
	40	William E. Lane
	41	Nathan P. Ball
	42A	John R. and Patricia R. Haile Trustee
	46	John R. and Patricia R. Haile Trustee
	49A	Jonah W. Brooks
	50	Nathan P. Ball
42-1	1	John R. and Patricia R. Haile
	2	Vincent Johnson
	3	John F. Haile
	4	Kenneth Garnett
48	1	Stephen M. Norman

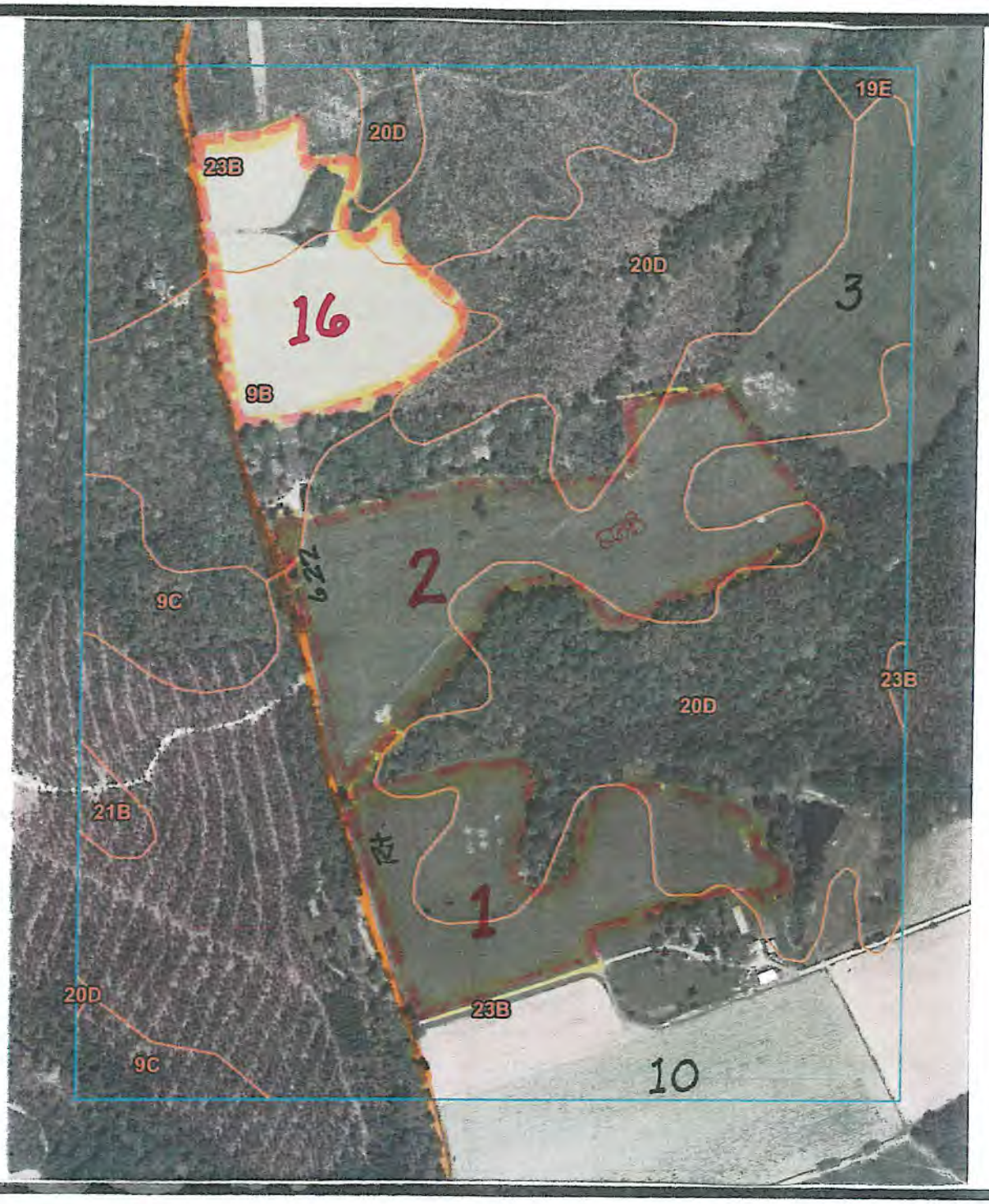
ADJOINING LANDOWNERS

John R. Haile

KING AND QUEEN COUNTY

Tax Map	Parcel #	Owner Name(s)
1625-44L-	341	Stephen and Karol Norman
	342C	Willie Floyd Tate Estate
	342C-1	Jerry and Evelyn Brightwell
	343	Midway Farm Properties LLC
	343-1	Midway Farm Properties LLC
	343-A5	Mary D. Beadles Life Estate
	343-A6	Brenda Garnett
	343A-11	Quyen V. Pham
	343A-14	Marriott School LLC
	343A-16	Timber Resources LLC
	344	Lane Richmond Estate
	345O	Robert Tallent
	345P	Sonya Washington
	345Q	Elton Farm Business Trust
	345R	Harold Sayles
	345S	Elton Farm Business Trust
1632-56R-	467A	Joyce D. Seay et. als.
	1115	Diane and Anthony Kendall
	1116	Herbert F. Seay
	1116A	Lindbergh and Bernice Wilson
	1116B	Thomas and Robin Paine
	1116E	Thomas and Robin Paine
	1117	Laurie C. Akers
	1118A	James B. Wilson
	1118A-1	James B. Wilson

Recyc Systems™ Inc. (Biosolids Land Application)



Scale: 1"= 500'

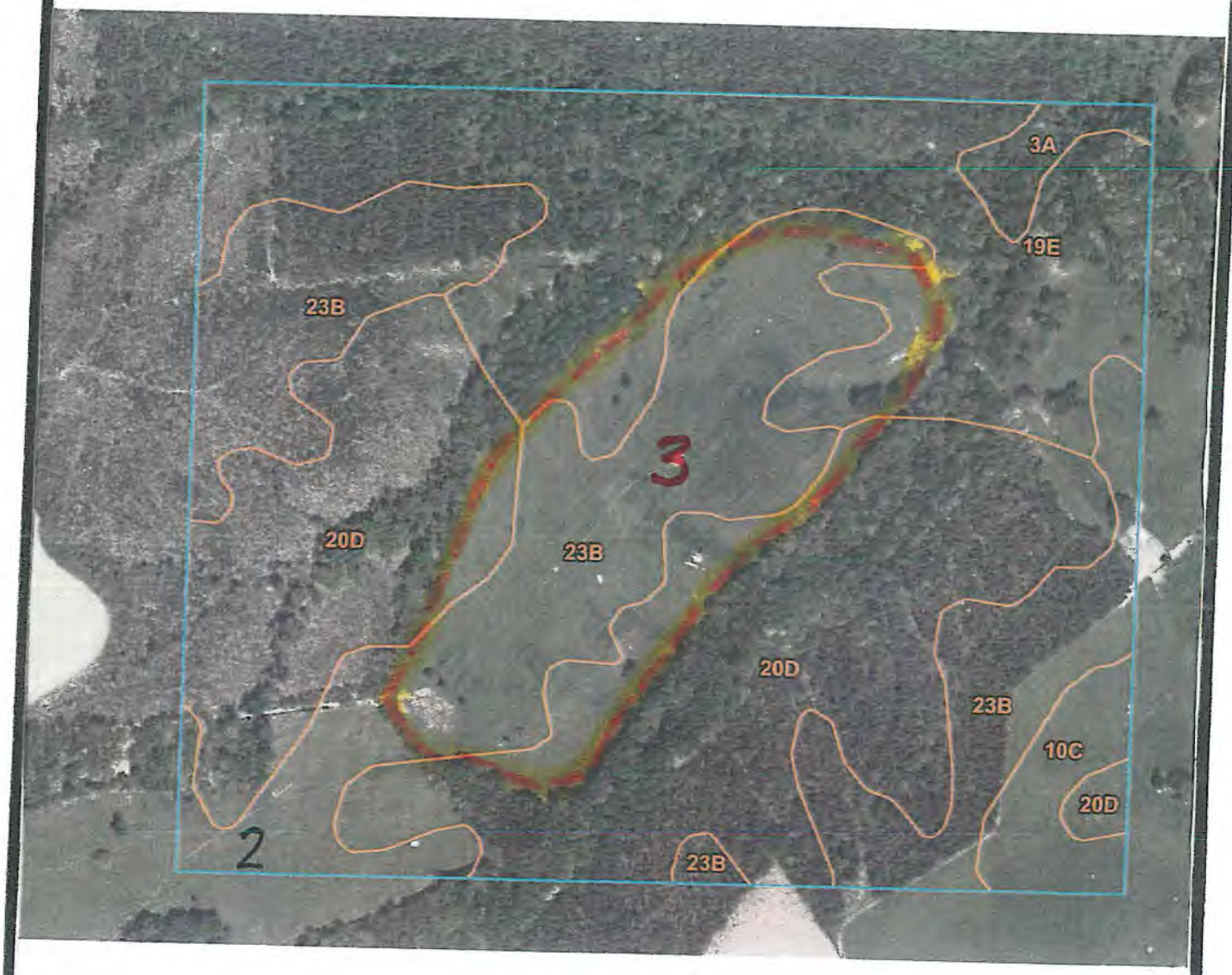
EXJRH 1,2,16

SOIL MAP

N

Recyc Systems™ Inc. (Biosolids Land Application)

Soil Map—Essex County, Virginia



Map Scale: 1:6,000 if printed on A landscape (11" x 8.5") sheet.

0 50 100 200 300 Meters

0 250 500 1000 1500 Feet

Map projection: Web Mercator Corner coordinates: WGS84

Scale: 1"= 500'

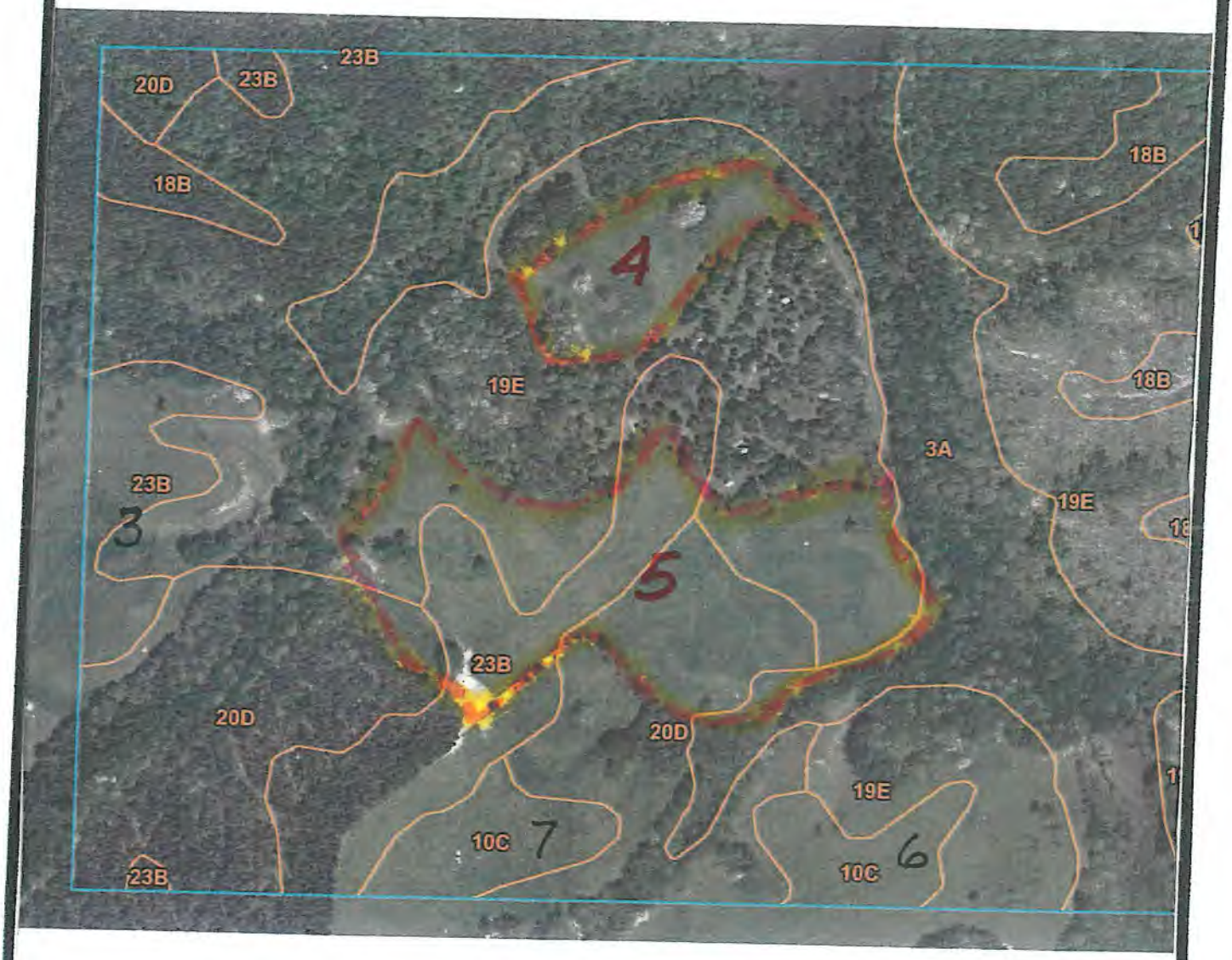
EXJRH 3

SOIL MAP

N

Recyc Systems™ Inc. (Biosolids Land Application)

Soil Map—Essex County, Virginia



Map Scale: 1:6,000 if printed on A landscape (11" x 8.5") sheet.

Meters: 0 50 100 200 300

Feet: 0 250 500 1000 1500

Map projection: Web Mercator Corner coordinates: WGS84

Scale: 1"= 500'

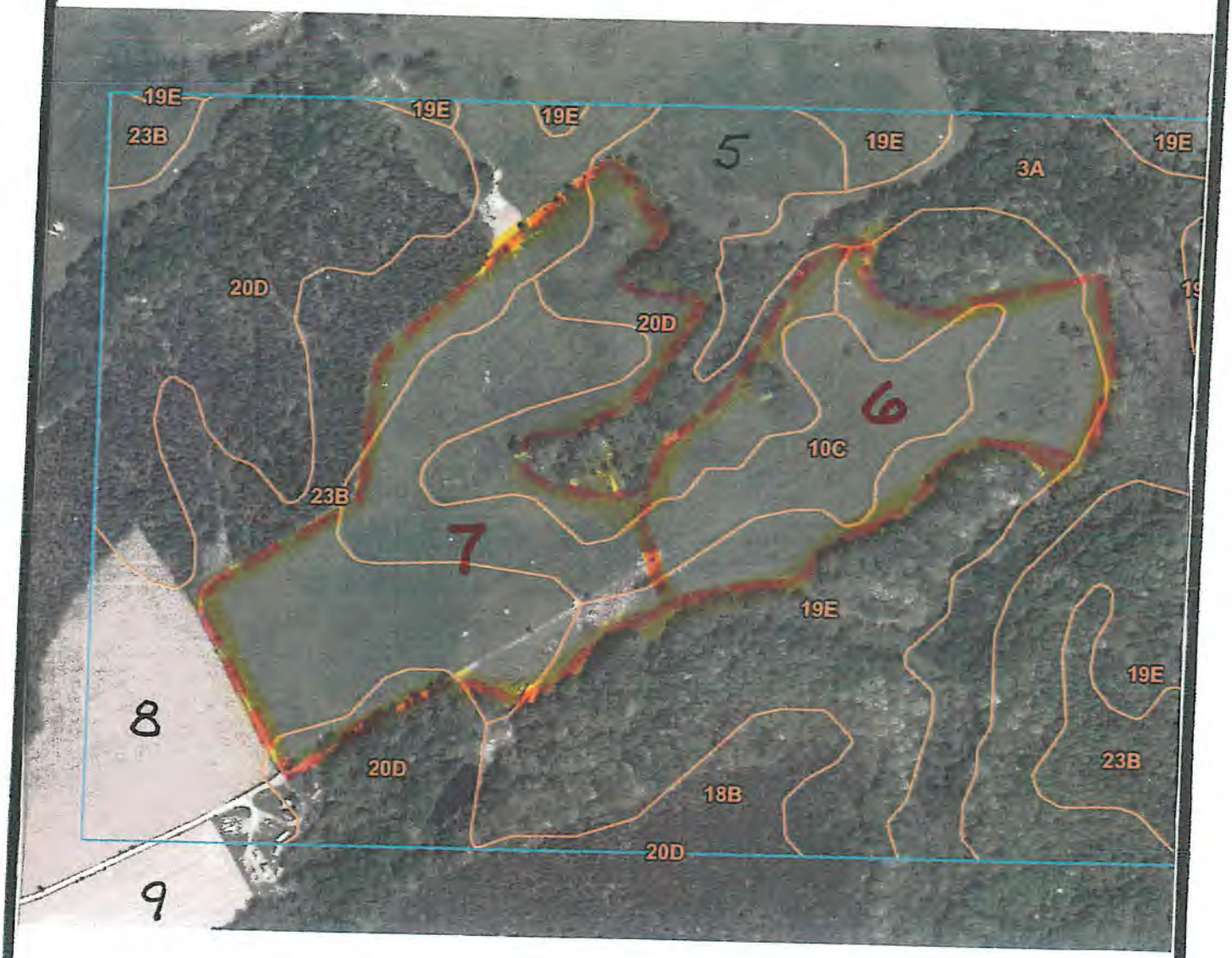
EXJRH 4,5

SOIL MAP

N

Recyc Systems™ Inc. (Biosolids Land Application)

Soil Map—Essex County, Virginia



Map Scale: 1:6,000 if printed on A landscape (11" x 8.5") sheet.

Meters: 0 50 100 200 300

Feet: 0 250 500 1000 1500

Scale: 1"= 500'

EXJRH 6,7

SOIL MAP

N

Recyc Systems™ Inc. (Biosolids Land Application)

Soil Map—Essex County, Virginia

0 if printed on A landscape (11" x 8.5") sheet.

Meters
0 200 300

Feet
500 1000 1500

h Mercator. Corner coordinates: WGS84

Scale: 1"= 500'

EXJRH 1,9-10

SOIL MAP

N

Recyc Systems™ Inc. (Biosolids Land Application)

Soil Map—Essex County, Virginia, and King and Queen County, Virginia

Map Scale: 1:6,000 if printed on A landscape (11" x 8.5") sheet.

0 50 100 200 300 Meters

0 250 500 1000 1500 Feet

Map projection: Web Mercator Corner coordinates: WGS84

Scale: 1"= 500'

EXJRH 11,12

SOIL MAP

N

Recyc Systems™ Inc. (Biosolids Land Application)

Soil Map—Essex County, Virginia, and King and Queen County, Virginia

Map Scale: 1:6,000 if printed on A landscape (11" x 8.5") sheet.

Meters: 0, 50, 100, 200, 300

Feet: 0, 250, 500, 1000, 1500

Map projection: Web Mercator Corner coordinates: WGS84

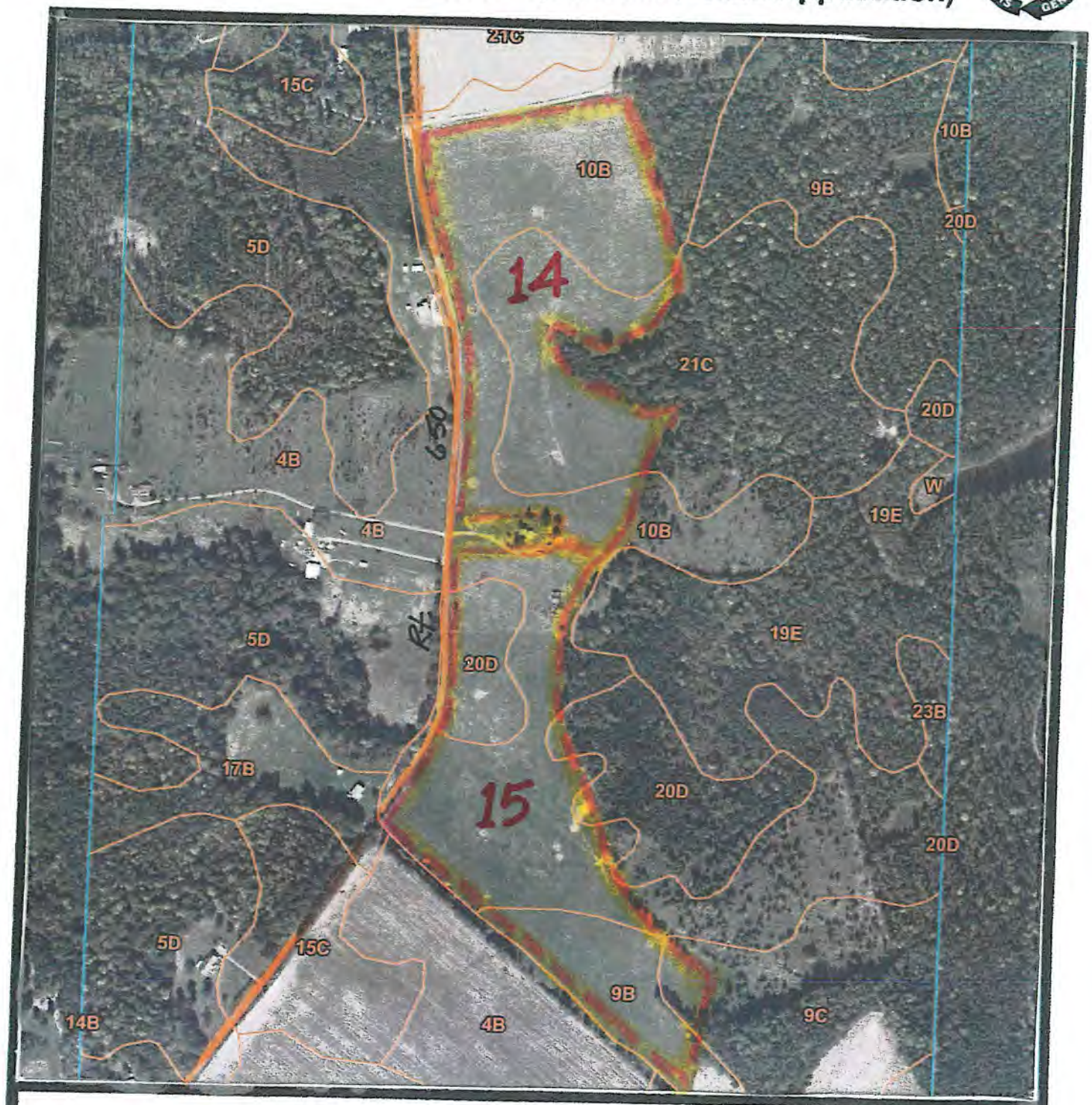
Scale: 1"= 500'

EXJRH 13

SOIL MAP

N

Recyc Systems™ Inc. (Biosolids Land Application)



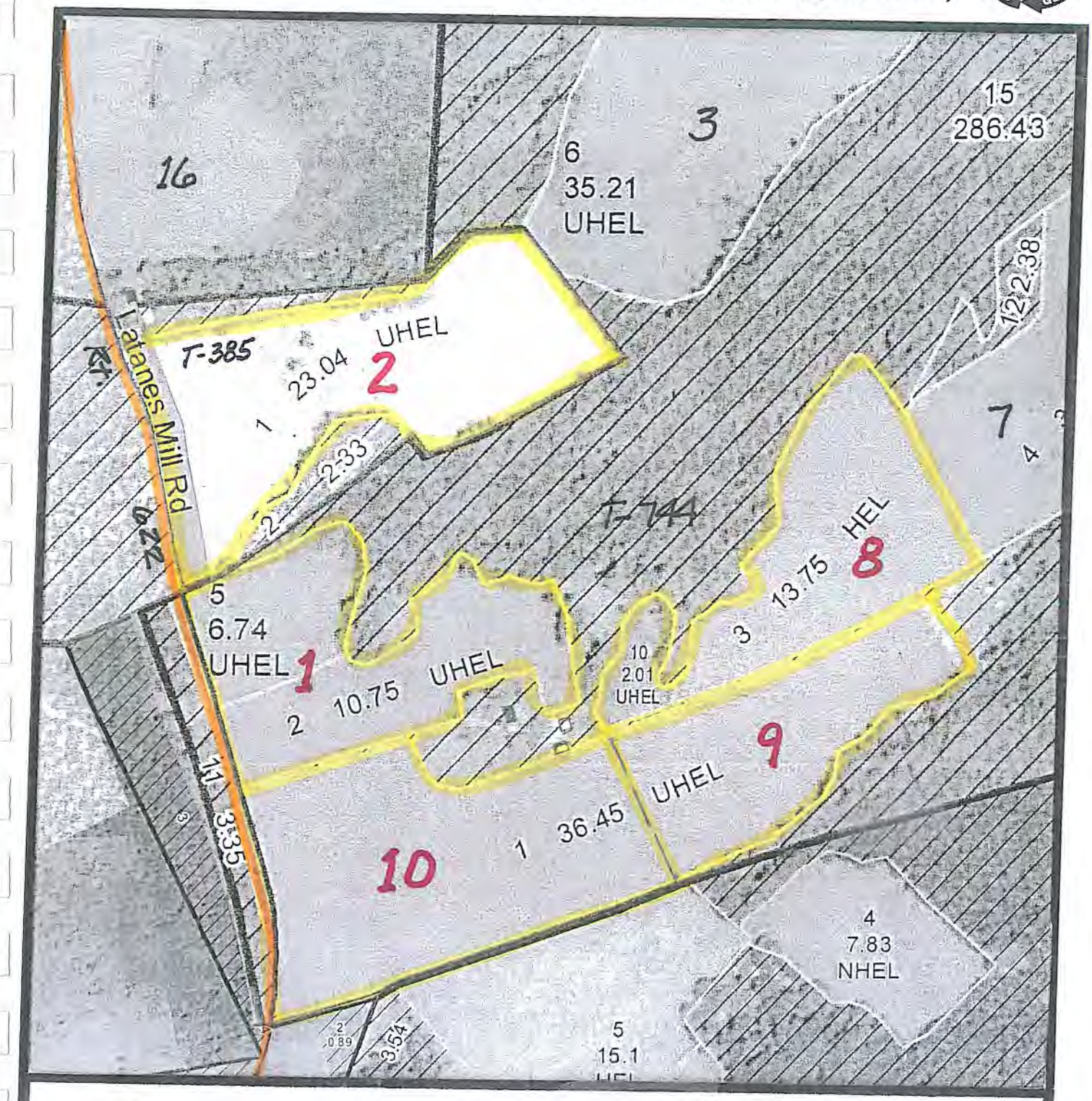
Scale: 1"= 500'

EXJRH 14,15

SOIL MAP

N

Recyc Systems™ Inc. (Biosolids Land Application)



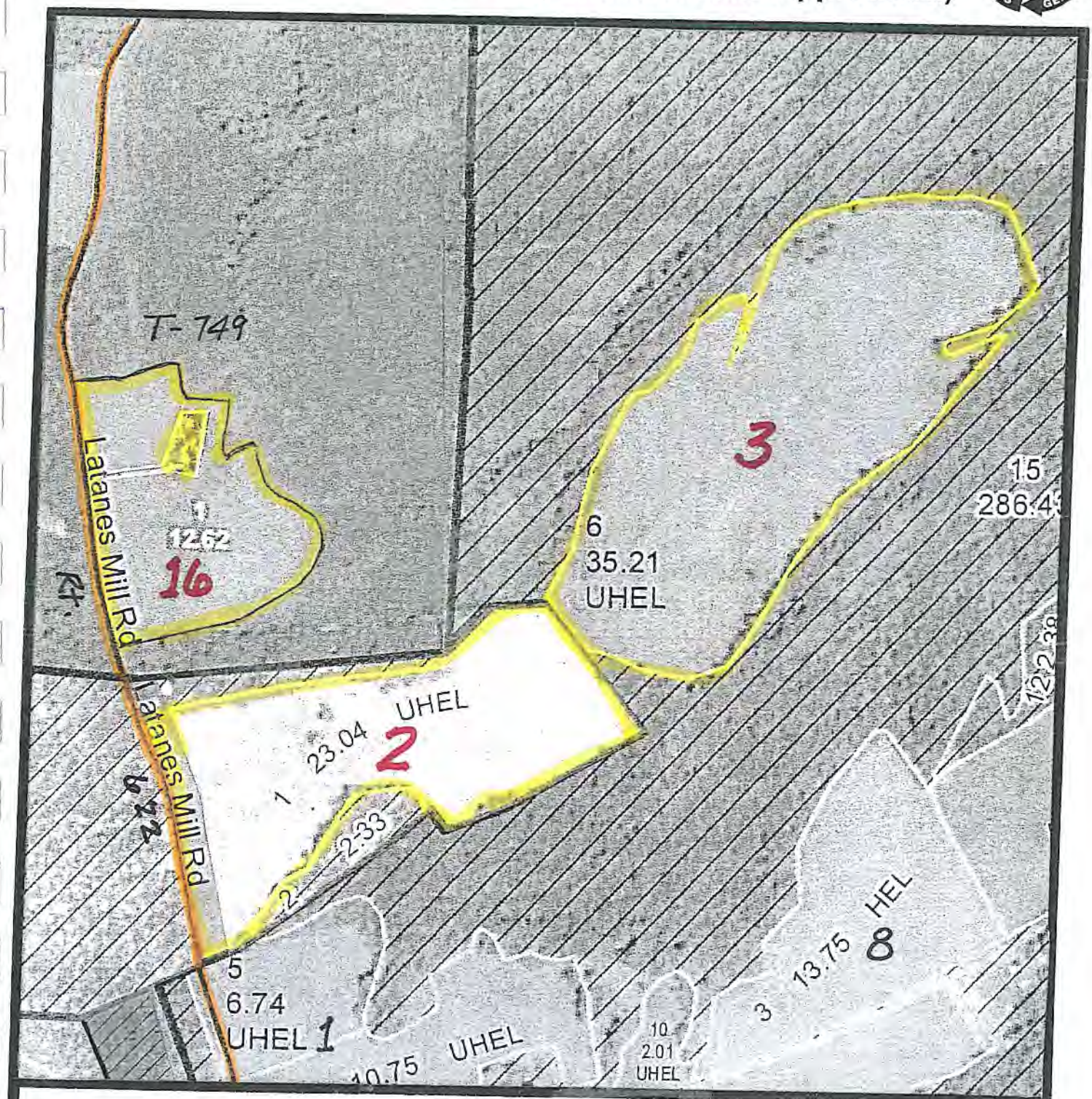
Scale: 1"= 500'

EXJRH 1,2,8-10

AERIAL MAP

N

Recyc Systems™ Inc. (Biosolids Land Application)



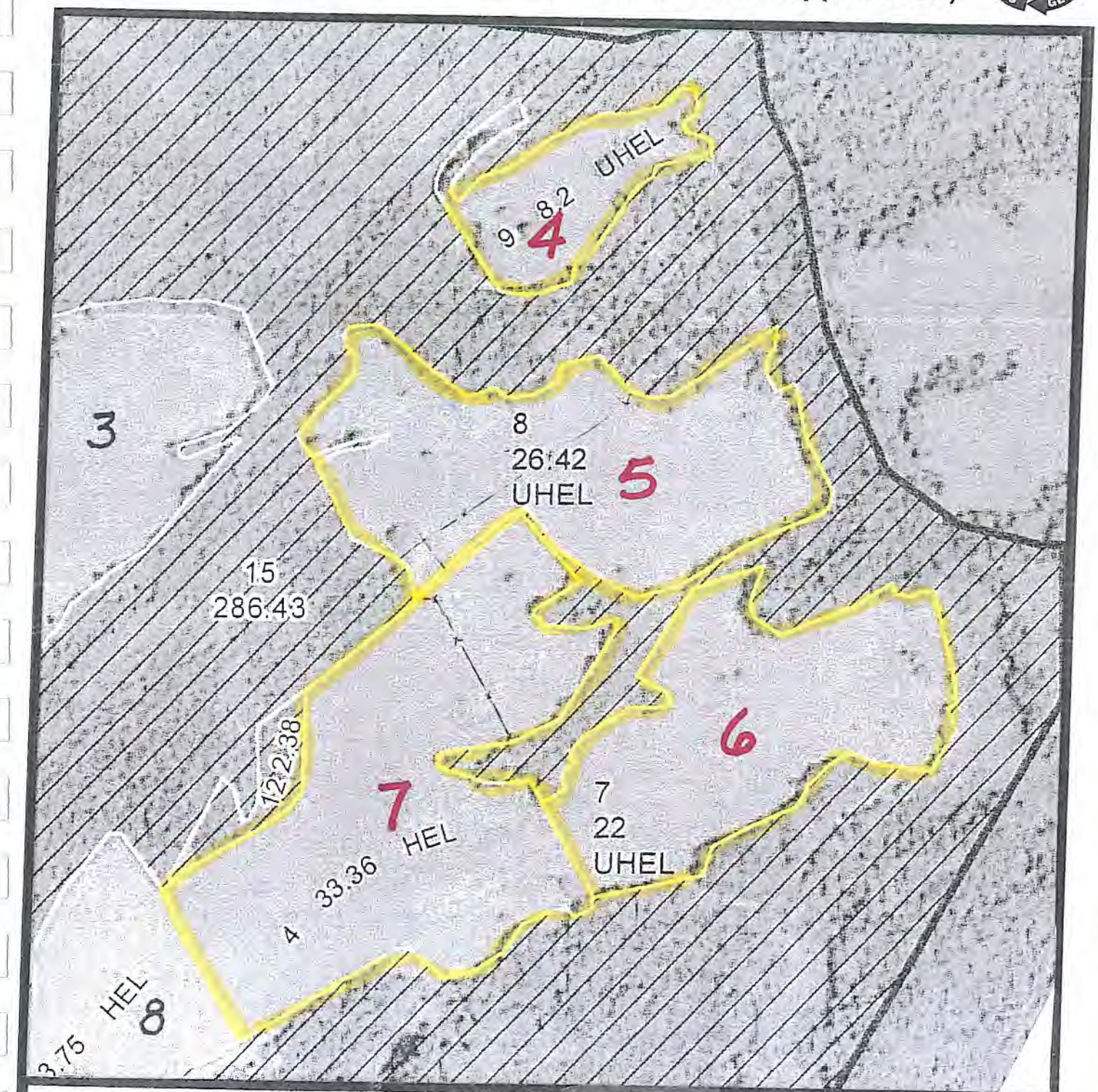
Scale: 1"= 500'

EXJRH 2,3,16

AERIAL MAP

N

Recyc Systems™ Inc. (Biosolids Land Application)



Scale: 1"= 500'

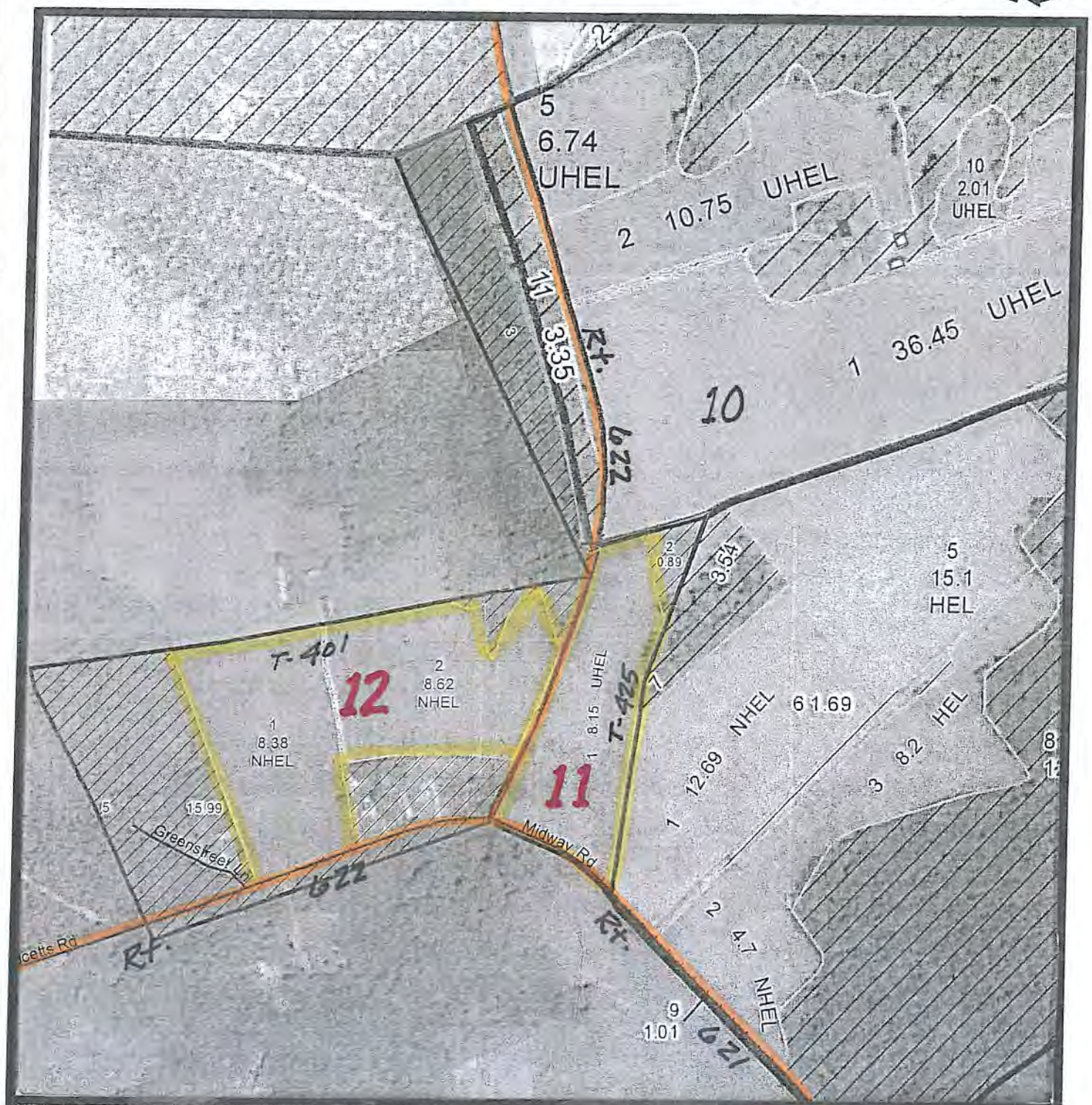
EXJRH 4-7

AERIAL MAP

N

Recyc Systems™ Inc.

(Biosolids Land Application)



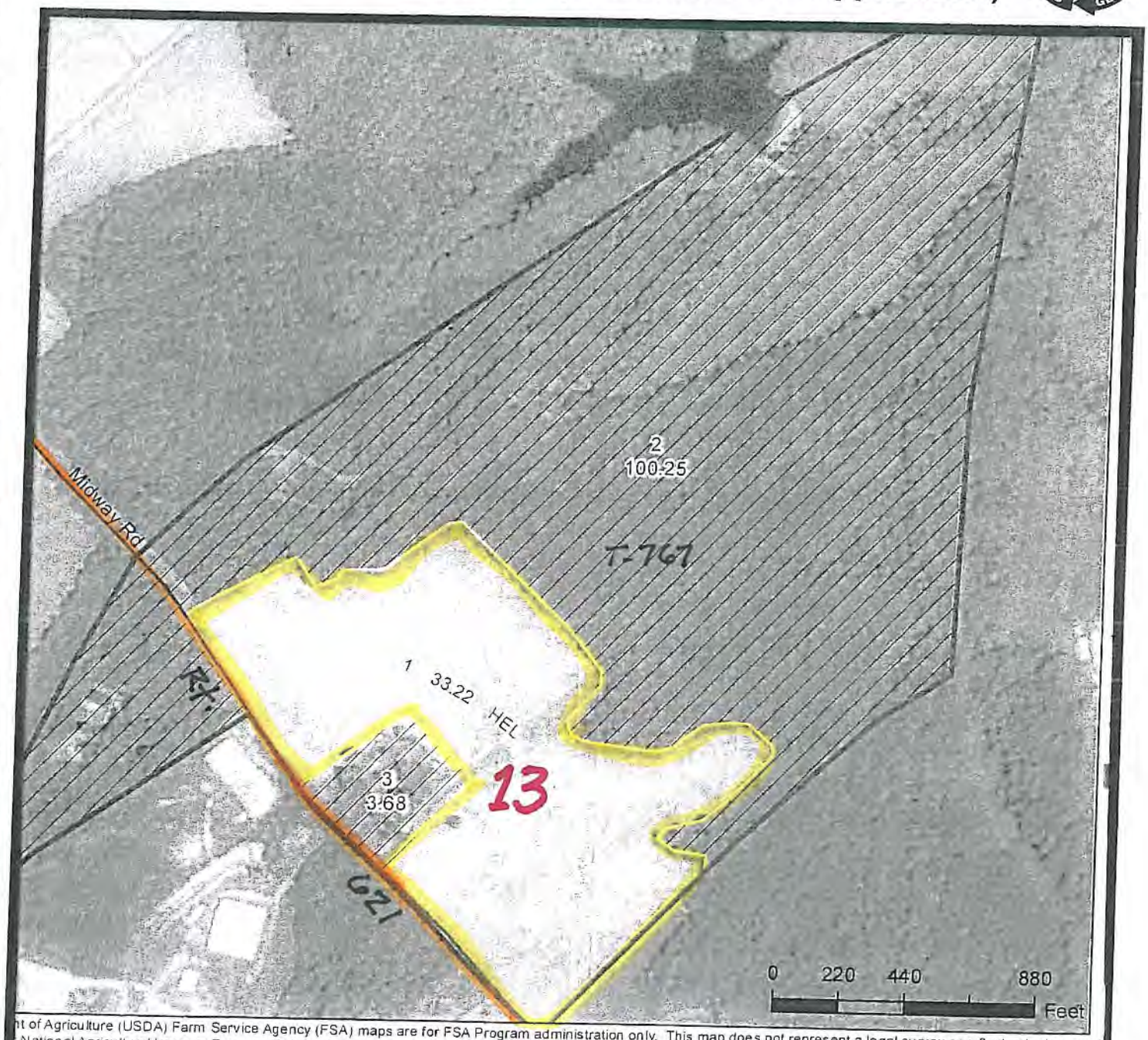
Scale: 1"= 500'

EXJRH 11,12

AERIAL MAP

N

Recyc Systems™ Inc. (Biosolids Land Application)



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National Agricultural Imagery Program (NAIP) imagery. The producer accepts the data 'as is' and assumes all risks associated with its use. USDA-FSA assumes no res
y user's reliance on this data outside FSA Programs. Wetland identifiers do not represent the size, shape, or specific determination of the area. Refer to your original de
ations or contact USDA Natural Resources Conservation Service (NRCS).

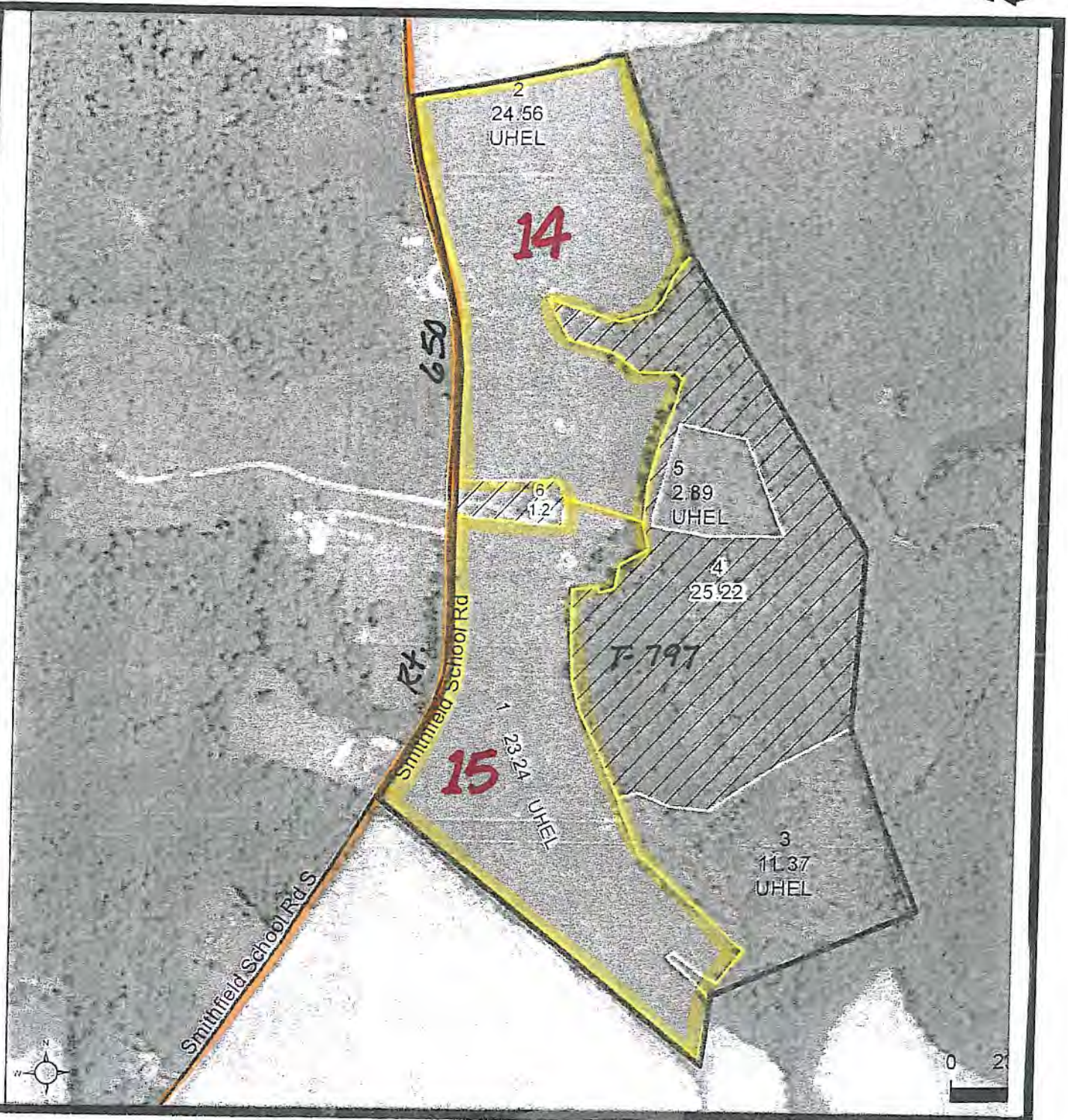
Scale: 1"= 500'

EXJRH 13

AERIAL MAP

N

Recyc Systems™ Inc. (Biosolids Land Application)



Scale: 1"= 500'

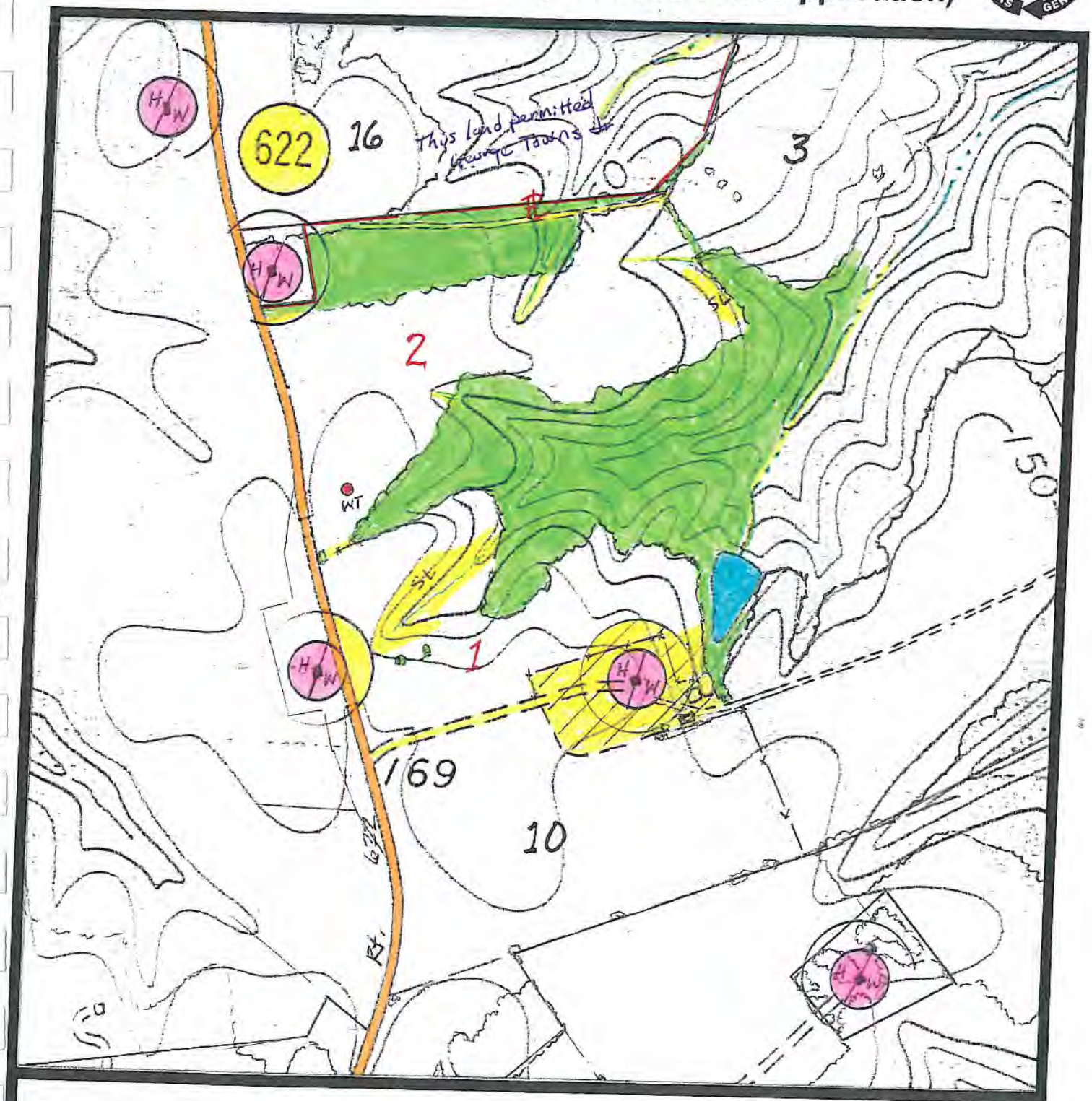
EXJRH 14,15

AERIAL MAP

N

Legend for Site Plan

Recyc Systems™ Inc. (Biosolids Land Application)



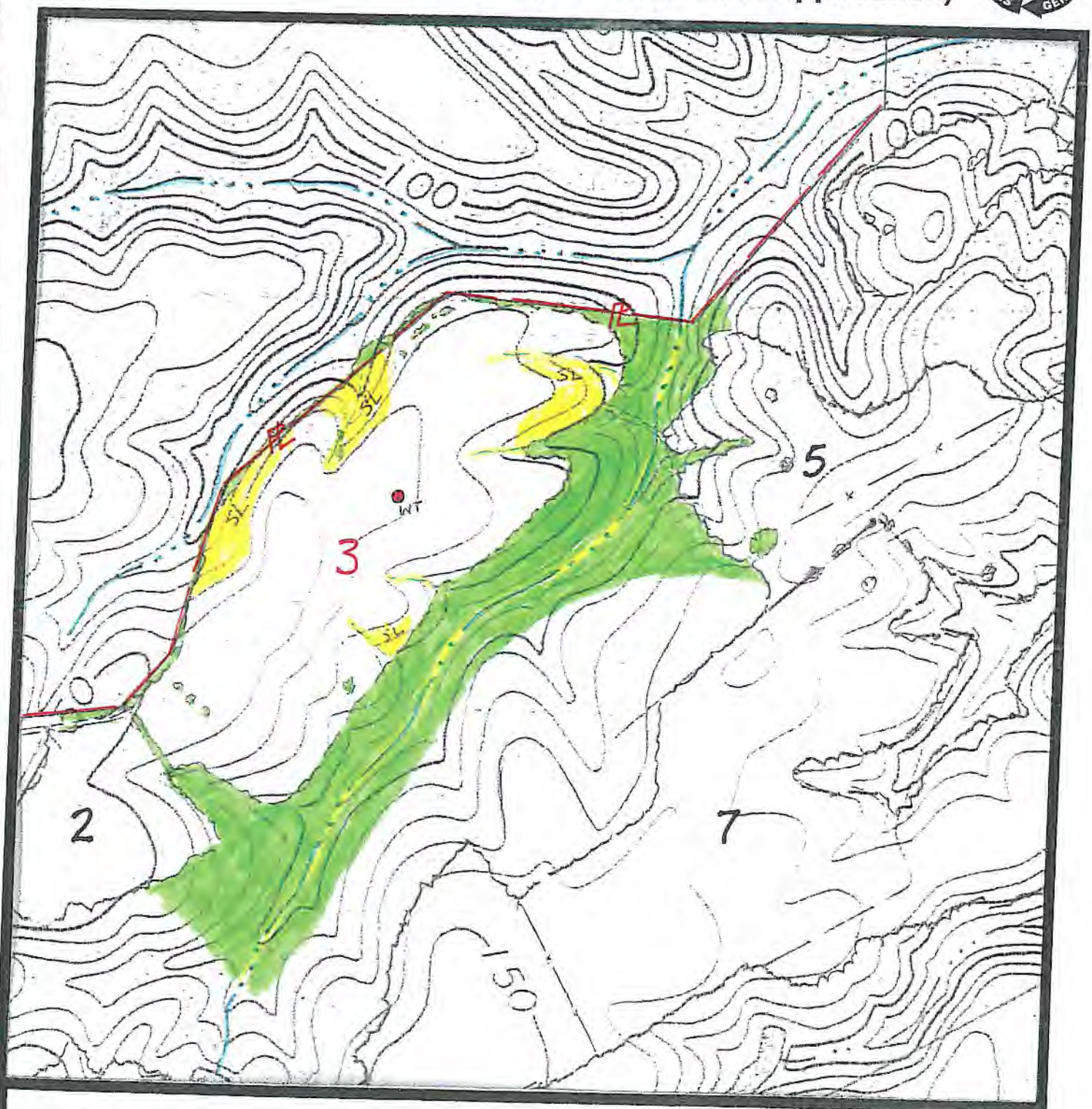
Scale: 1"= 500'

EXJRH 1,2

SITE PLAN

N

Recyc Systems™ Inc. (Biosolids Land Application)



Scale: 1"= 500'

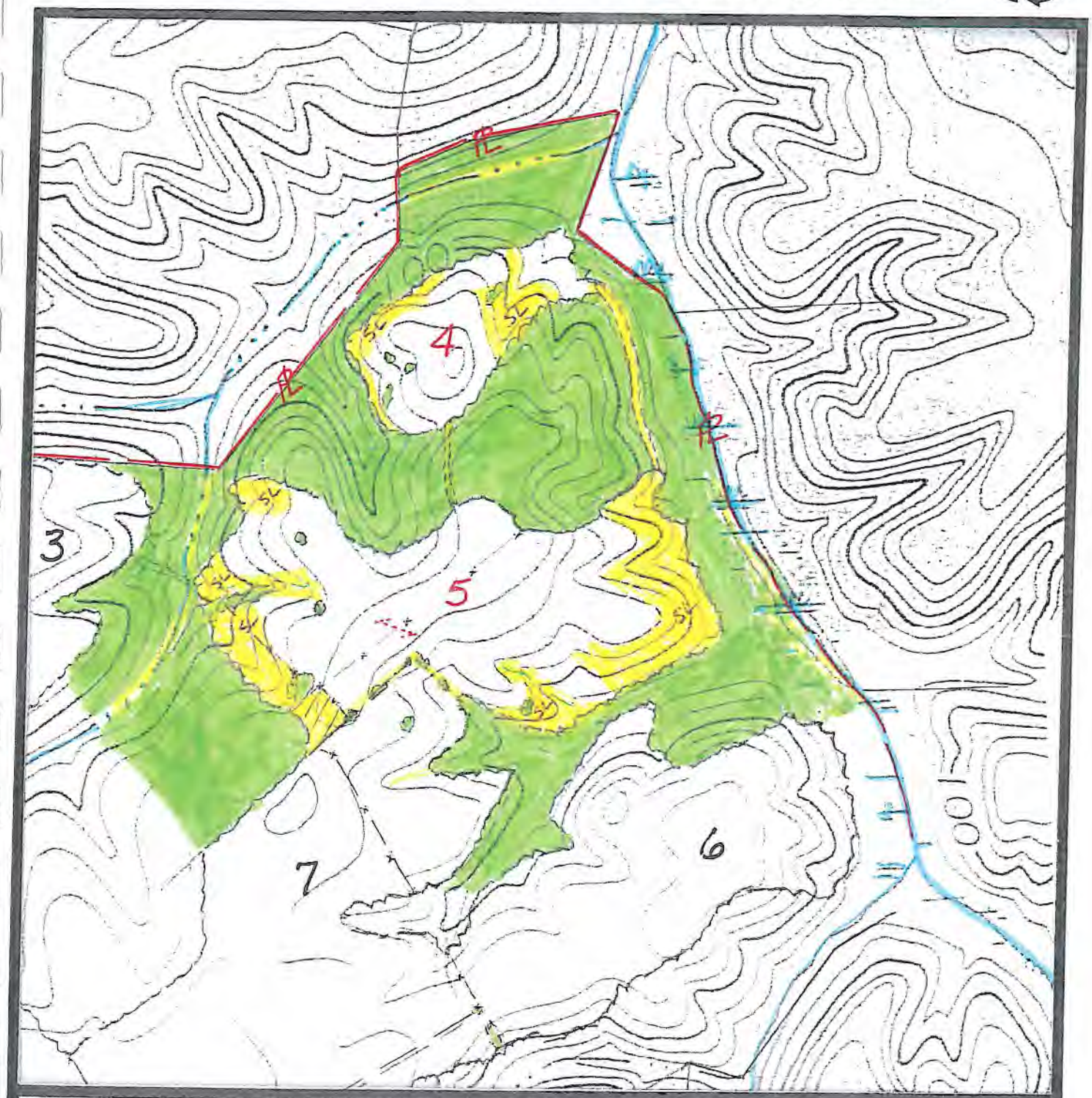
EXJRH 3

SITE PLAN

N

Recyc Systems™ Inc.

(Biosolids Land Application)



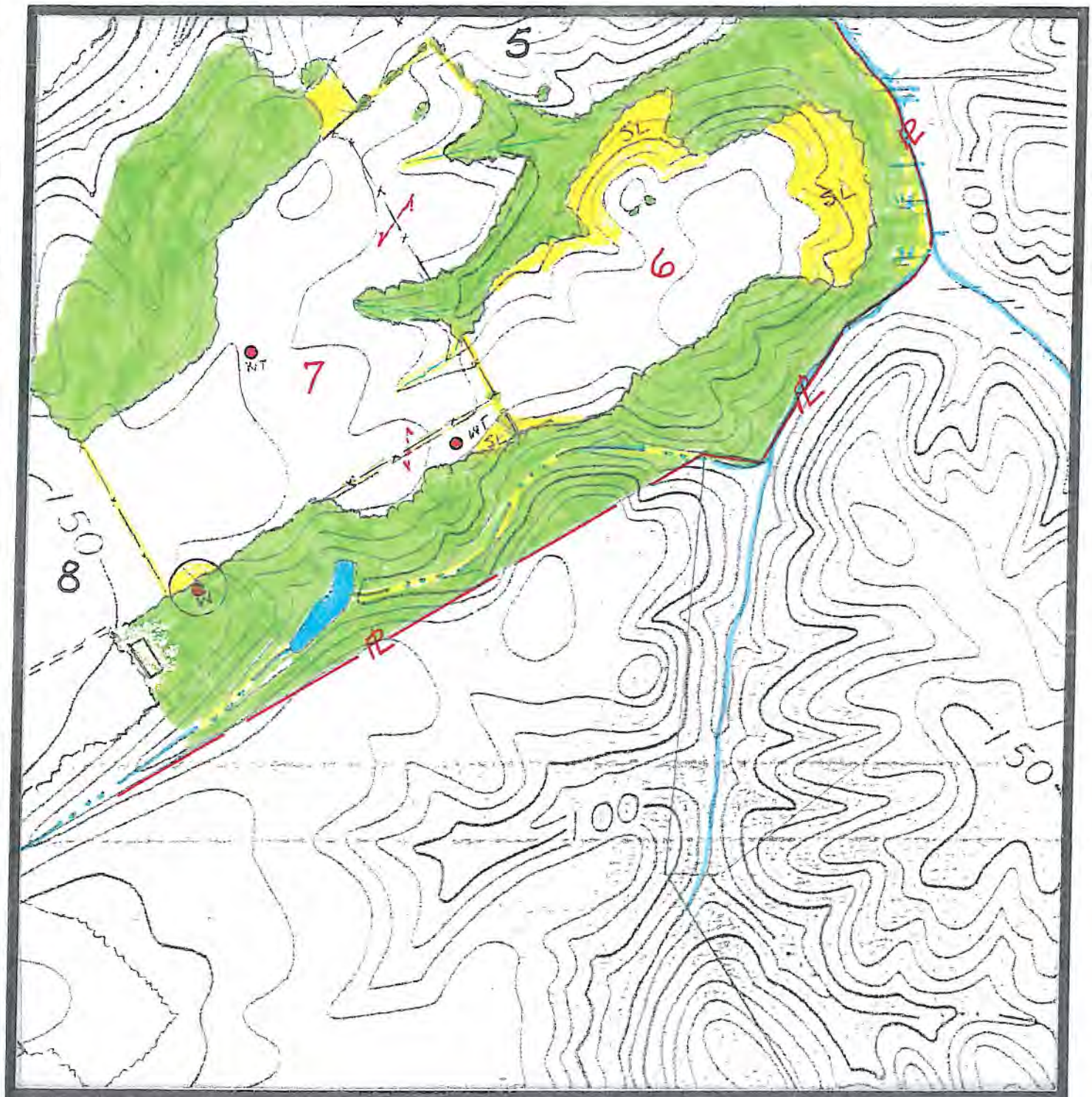
Scale: 1"= 500'

EXJRH 4,5

SITE PLAN

N

Recyc Systems™ Inc. (Biosolids Land Application)



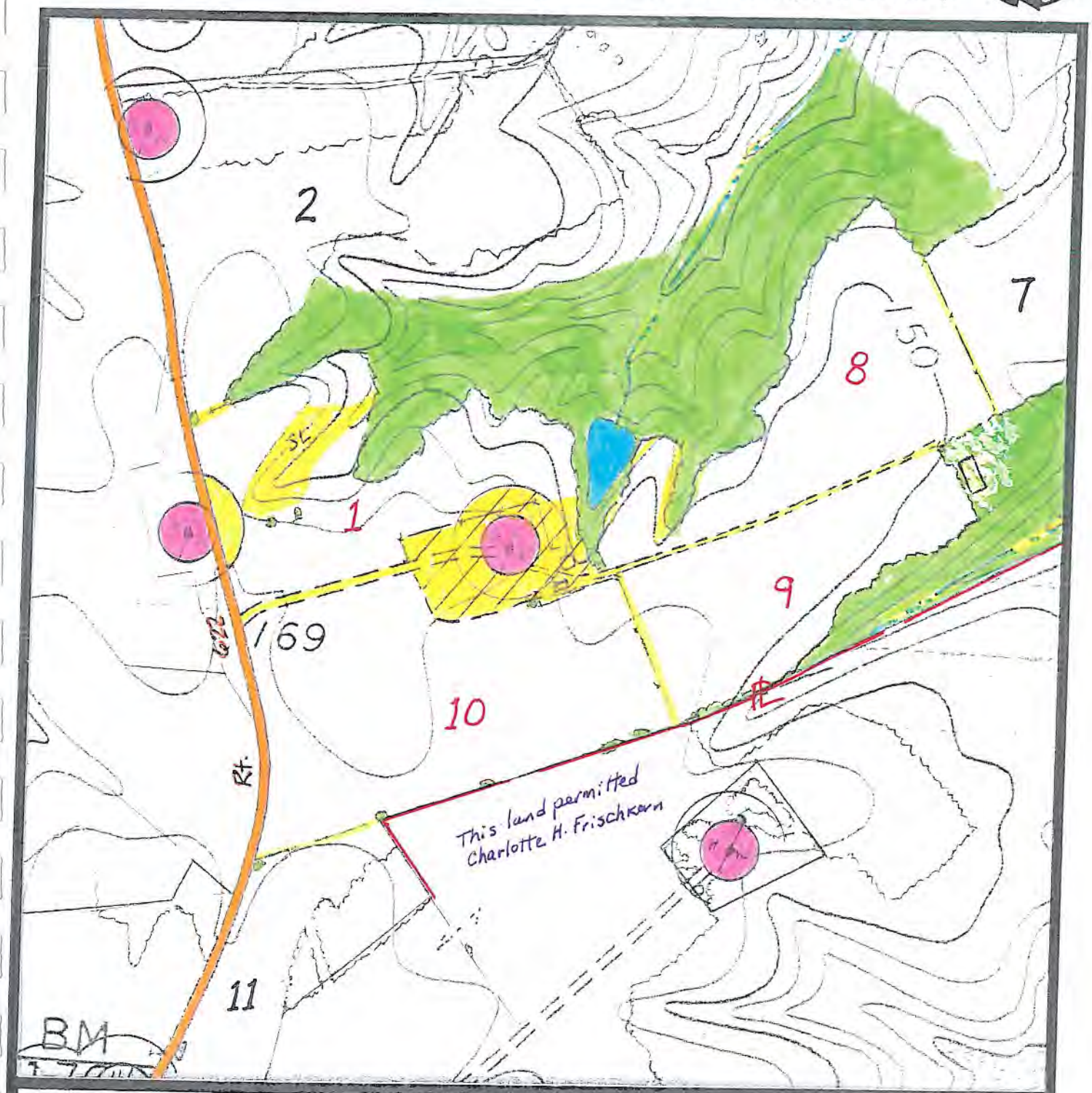
Scale: 1"= 500'

EXJRH 6,7

SITE PLAN

N

Recyc Systems™ Inc. (Biosolids Land Application)



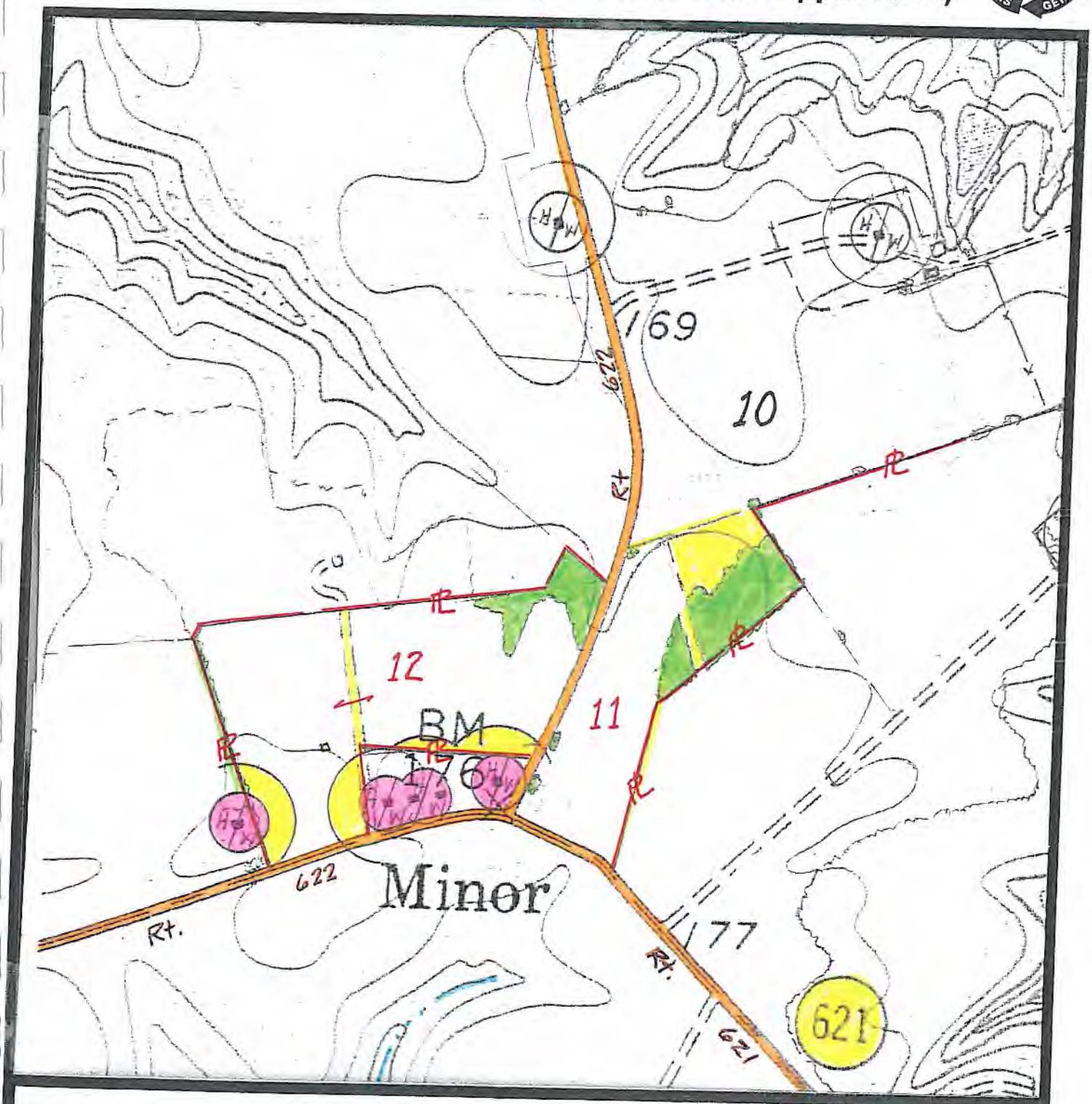
Scale: 1"= 500'

EXJRH 1,8-10

SITE PLAN

N

Recyc Systems™ Inc. (Biosolids Land Application)



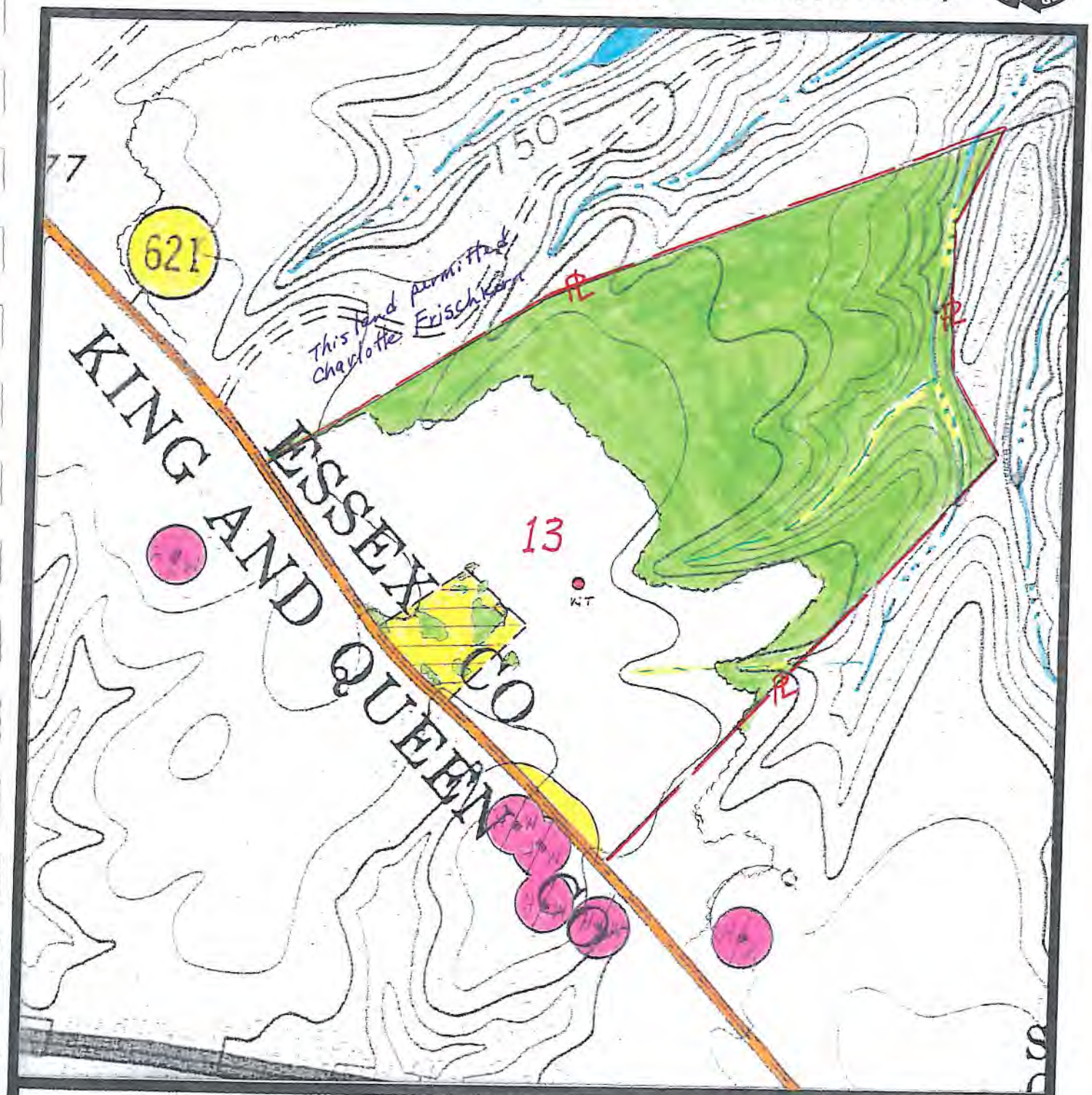
Scale: 1"= 500'

EXJRH 11,12

SITE PLAN

N

Recyc Systems™ Inc. (Biosolids Land Application)



Scale: 1"= 500'

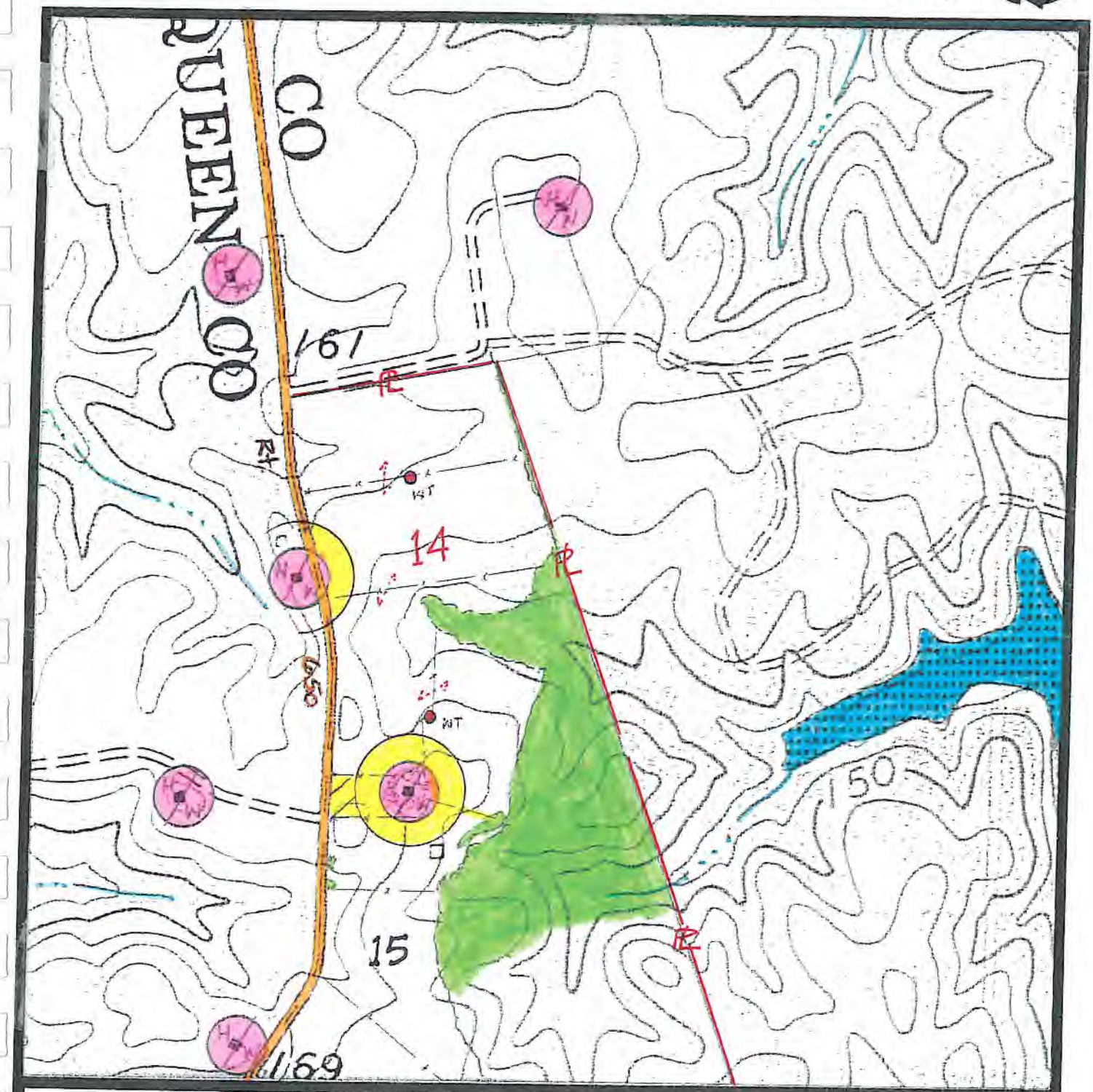
EXJRH 13

SITE PLAN

N

Recyc Systems™ Inc.

(Biosolids Land Application)



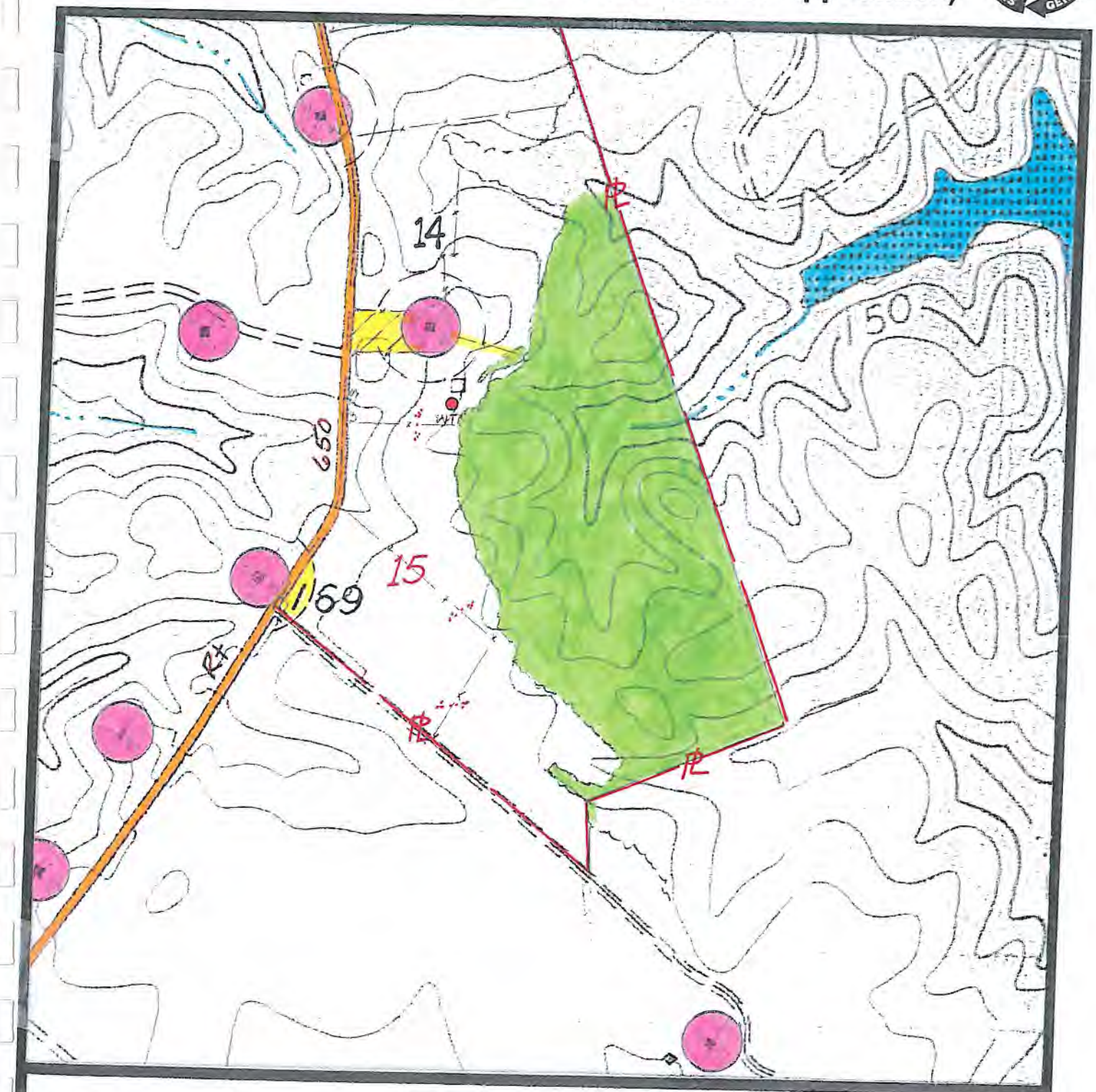
Scale: 1"= 500'

EXJRH 14

SITE PLAN

N

Recyc Systems™ Inc. (Biosolids Land Application)



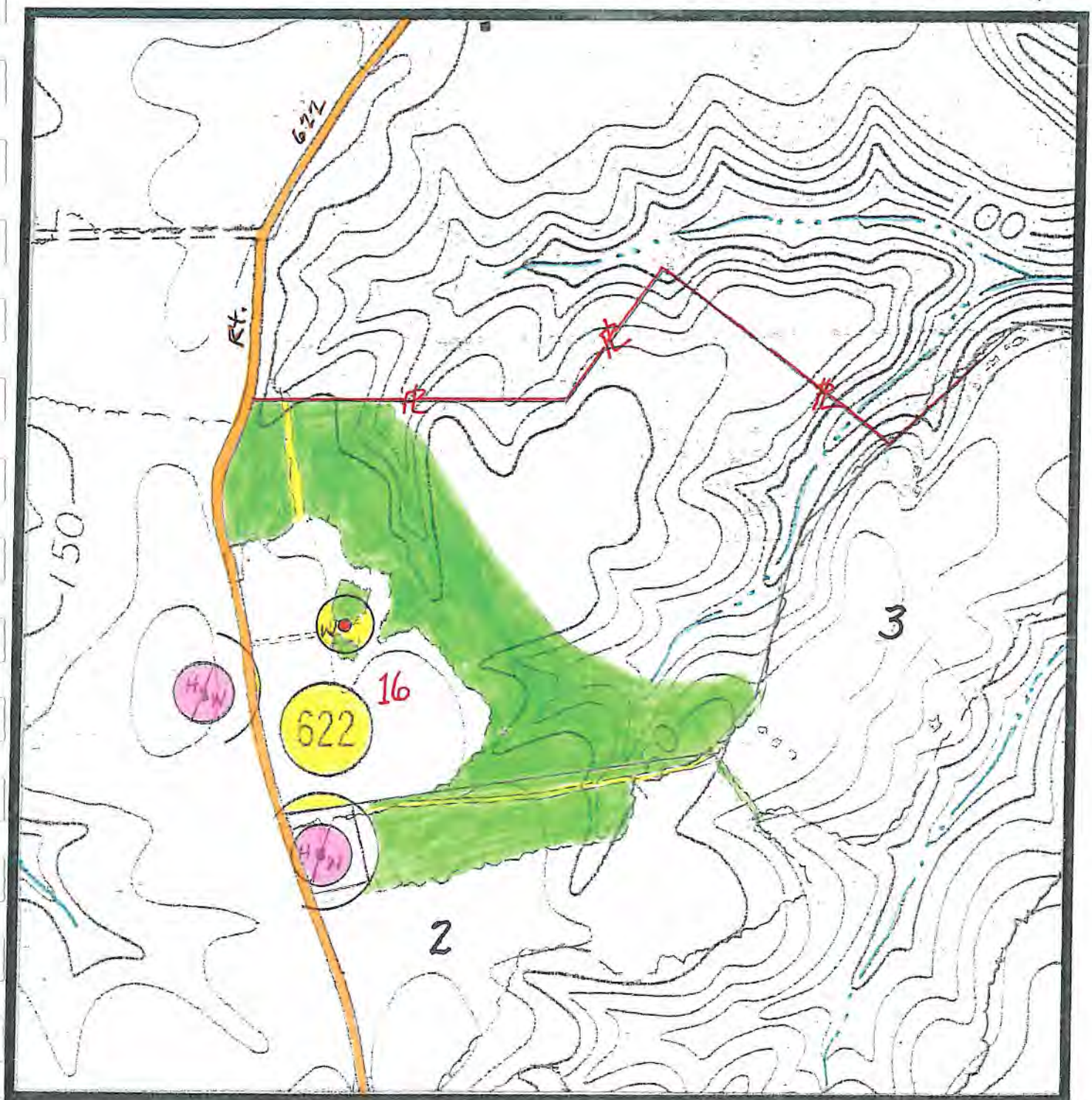
Scale: 1"= 500'

EXJRH 15

SITE PLAN

N

Recyc Systems™ Inc. (Biosolids Land Application)



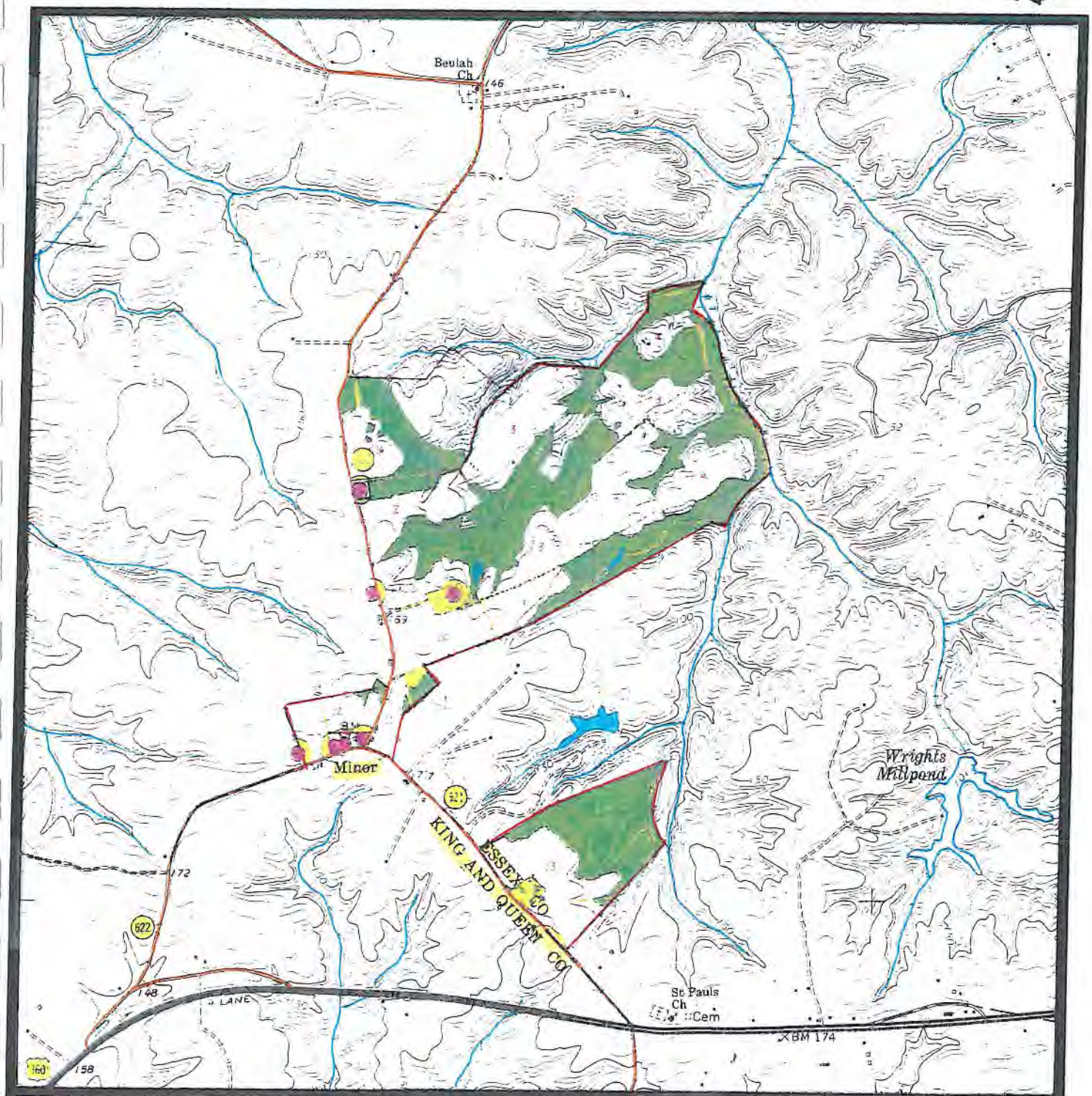
Scale: 1"= 500'

EXJRH 16

SITE PLAN

N

Recyc Systems™ Inc. (Biosolids Land Application)



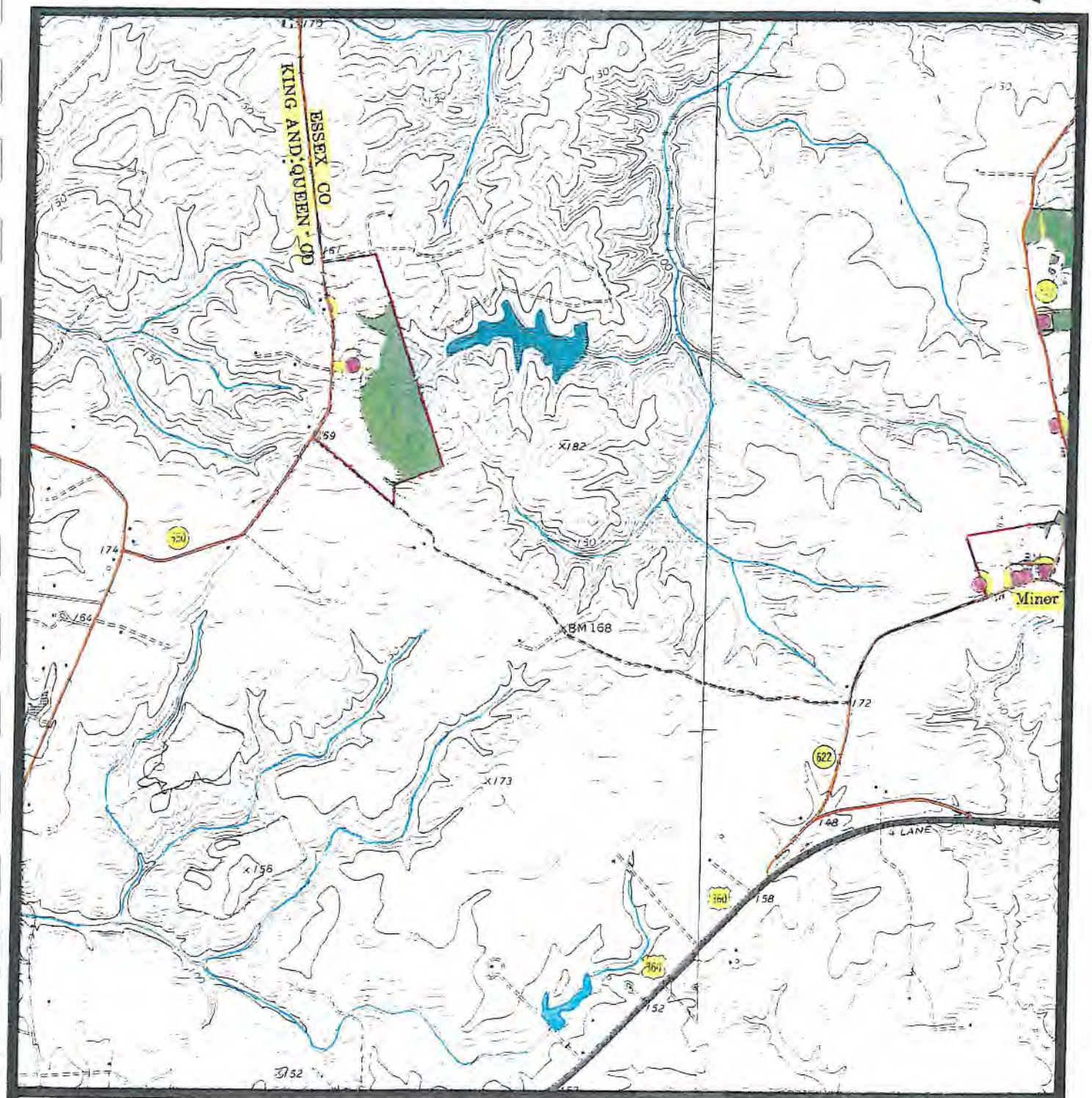
Scale: 1"= 2,000'

EXJRH 1-13,16

TOPOGRAPHIC MAP

N

Recyc Systems™ Inc. (Biosolids Land Application)



Scale: 1"= 2,000'

EXJRH 14,15

TOPOGRAPHIC MAP

N