LAND APPLICATION SITE

WILLIAM T. DAVIS

EXWTD 1-5

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 1-7-15 between William Terry Davis 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
Tax Map 50 Parcel - 42			

☐ 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

William Terry Davis — William Terry Davis — P.O. Box 1588 Tappahannock Va. 22560
Landowner – Printed Name, Title — Signature — 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)

S T Dumbo — 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: William Terry Davis

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).

William Terry Davis 1-7-15

Landowner's Signature Date

Terry Davis

Farm Operator Signature Mailing Address & Phone Number

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 1-7-15 between Ellen B. Davis 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
Tax Map 50			
Parcels 42, 48, 35			

☐ 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

Ellen G. Davis — Landowner – Printed Name, Title

Ellen B. Davis — Signature

P.O. Box 1588, Tappahannock, 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)

S Tambo — 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 Co.

Landowner: Ellen B. Davis

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).

Ellen B. Davis 1-7-15
Landowner's Signature Date

Jerry Davis
Farm Operator Signature Mailing Address & Phone Number

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 1-7-15 between William Peyton Davis 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
Tax Map 50			
Parcels 48, 35			

☐ 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
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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

William Peyton Davis — Landowner – Printed Name, Title
William Peyton Davis — Signature
P.O. Box 1588, Tappahannock, 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)

B Trumbo — 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 Co.

Landowner: William Peyton Davis

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.

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   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).

William Peyton Davis 1/7/15

Landowner's Signature Date

Jerry Davis

Farm Operator Signature Mailing Address & Phone Number

FARM DATA SHEET

SITE NAME:	William T. Davis	**COUNTY:**	Essex
OWNER:	See Below	**OPERATOR:**	Terry Davis
OWNER'S ADDRESS:	See Below	**OPERATOR'S ADDRESS:**	P.O. Box 1588 Tappahannock, VA 22560
OWNER'S TELEPHONE:	804-443-9621	**OPERATOR'S TELEPHONE:**	804-443-9621
GENERAL FARM TYPE:	Row Crops	**CELL PHONE:**	804-445-5438
# CATTLE:	None	**EMAIL:**	-
LAGOON or SLURRY:	N/A	**LATITUDE:**	37.829
TOPO QUAD:	Millers Tavern	**LONGITUDE:**	76.896
COMMENTS:	TM 50 Parcel 42 William T. and Ellen B. Davis P.O. Box 1588 Tappahannock, VA 22560 (Hm) 804-443-9621 (Cell) 804-445-5438		TM 50 Parcels 48, 3-5 William Peyton Davis and Ellen B. Davis P.O. Box 1588 Tappahannock, VA 22560 (Hm) 804-443-9621
			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			
EXWTD 1	34.1	20D Nov.-Apr.	-	-	-	CB 06	TM 50 P 42	T 1087 F 1, 2
EXWTD 2	11.1	-	-	-	-	CB 06	TM 50 P 42	T 1087 F 3, 8
EXWTD 3	15.2	-	-	-	-	CB 06	TM 50 P 42	T 1087 F 4
EXWTD 4	15.5	1A Nov.-Mar.	-	-	-	CB 06	TM 50 P 48	T 1746 F 6
EXWTD 5	16.0	1A Nov.-Mar.	-	-	-	CB 06	TM 50 P 48, 3-5	T 1746 F 1, 2
TOTAL ACRES IN SITE	91.9							

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: William T. Davis

County or City: Essex County

Please Print Signature not required on this page

Tax Parcel ID(s)	Landowners (s)
Tax Map 50 Parcel 42	William T. and Ellen B. Davis
Tax Map 50 Parcel 48	William Peyton Davis and Ellen B. Davis
Tax Map 50 Parcel 3-5	William Peyton Davis and Ellen B. Davis

THE PLANNER IS NOT STATE CERTIFIED

Nutrient Management Plan Balance Sheet
(Spring, 2015-Summer, 2017)
William T. Davis
Planner: Recyc Systems, Inc

Tract: 1087 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/EXWTD 1(N)	34/34	2015	Soybeans (FS)	0-60-60	0/0				0-60-60	N/A			
3, 8/EXWTD 2(N)	11/11	2015	Corn (grain)	130-60-60	20/0				110-60-60	N/A			
4/EXWTD 3(N)	15/15	2015	Corn (grain)	140-60-60	20/0				120-60-60	N/A			

Commercial Application Methods:
br - Broadcast ba - Banded sd - Sidedress

Notes:

Tract: 1746 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		
6/EXWTD 4(N)	16/16	2015	Fallow	0-0-0	0/0				0-0-0	N/A				
1, 2/EXWTD 5(N)	16/16	2015	Corn (grain)	140-60-60	20/0				120-60-60	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
1087	EXWTD 1	34	[No Test]						
1087	EXWTD 2	11	[No Test]						
1087	EXWTD 3	15	[No Test]						
1746	EXWTD 4	16	[No Test]						
1746	EXWTD 5	16	[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
1087	1087/1, 2	EXWTD 1	34	Suffolk	IIIb	II	Not Suited	III	
	1087/3, 8	EXWTD 2	11	Suffolk	IIIb	II	Not Suited	III	
	1087/4	EXWTD 3	15	Kempsville	IIIa	II	Not Suited	III	
1746	1746/6	EXWTD 4	16	Atlee	IIIa	II	Not Suited	III	
	1746/1, 2	EXWTD 5	16	Atlee	IIIa	II	Not Suited	II	

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, 2015 - Summer, 2017**

Farm Name: **William T. Davis**
Location: Essex
Specialist: Recyc Systems, Inc
N-based Acres: 91.9
P-based Acres: 0.0

Tract Name: **1087**
FSA Number: 1087
Location: Essex

Field Name: **EXWTD 1**
Total Acres: 34.10 Usable Acres: 34.10
FSA Number: 1, 2
Tract: 1087
Location: Essex
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
8	20D	Rumford Slagle
92	23B	Suffolk

Field Warnings:

Crop Rotation:

PLANTED	YIELD	CROP NAME
2015-Sp	39.1 * bushel(s)	Soybeans (FS) - No Till

Field Name: EXWTD 2

Total Acres: 11.10 Usable Acres: 11.10
FSA Number: 3, 8
Tract: 1087
Location: Essex
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
33	10C	Kempsville
67	23B	Suffolk

Field Warnings:

Crop Rotation:

PLANTED	YIELD	CROP NAME
2015-Sp	133.3 * bushel(s)	Corn (grain) - No Till

Field Name: EXWTD 3

Total Acres: 15.20 Usable Acres: 15.20
FSA Number: 4

Tract: 1087
Location: Essex
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
12	9C	Emporia
65	10B	Kempsville
17	10C	Kempsville
6	20D	Rumford Slagle

Field Warnings:

Crop Rotation:

PLANTED	YIELD	CROP NAME
2015-Sp	138.0 * bushel(s)	Corn (grain) - No Till

Tract Name: 1746
FSA Number: 1746
Location: Essex

Field Name: EXWTD 4
Total Acres: 15.50 Usable Acres: 15.50
FSA Number: 6
Tract: 1746
Location: Essex
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
75	1A	Atlee
2	10B	Kempsville
18	10C	Kempsville
6	23B	Suffolk

Field Warnings:

Crop Rotation:

PLANTED	YIELD	CROP NAME
2015-Sp	0.0	Fallow - No Till

Field Name: **EXWTD 5**
Total Acres: 16.00 Usable Acres: 16.00
FSA Number: 1, 2
Tract: 1746
Location: Essex
Slope Class: A 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
48	1A	Atlee
18	9A	Emporia
16	21B	Slagle
18	23B	Suffolk

Field Warnings:

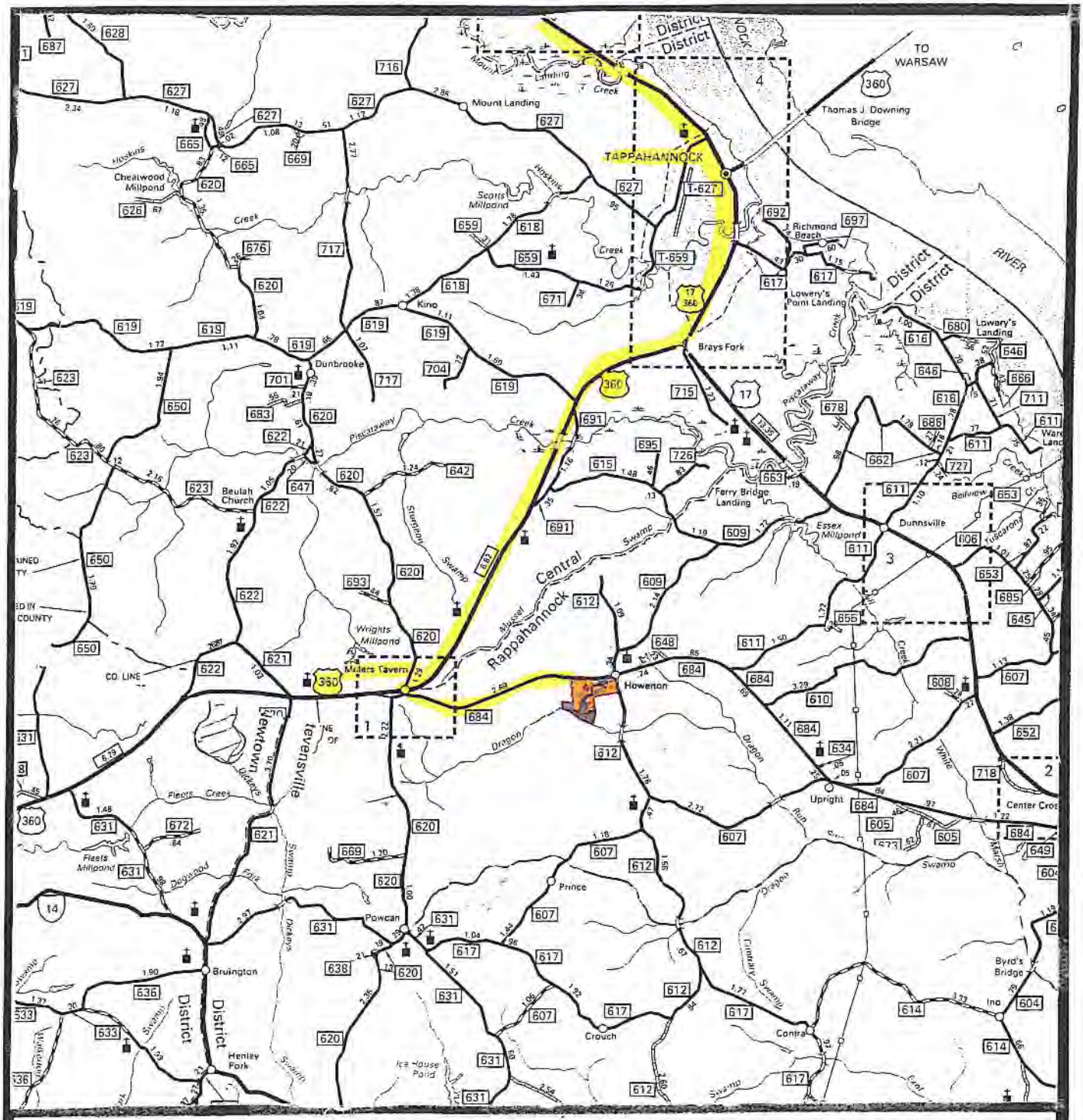
Crop Rotation:

PLANTED	YIELD	CROP NAME
2015-Sp	139.8 bushel(s)	Corn (grain) - No Till

MAPS

Recyc Systems™ Inc.

(Biosolids Land Application)



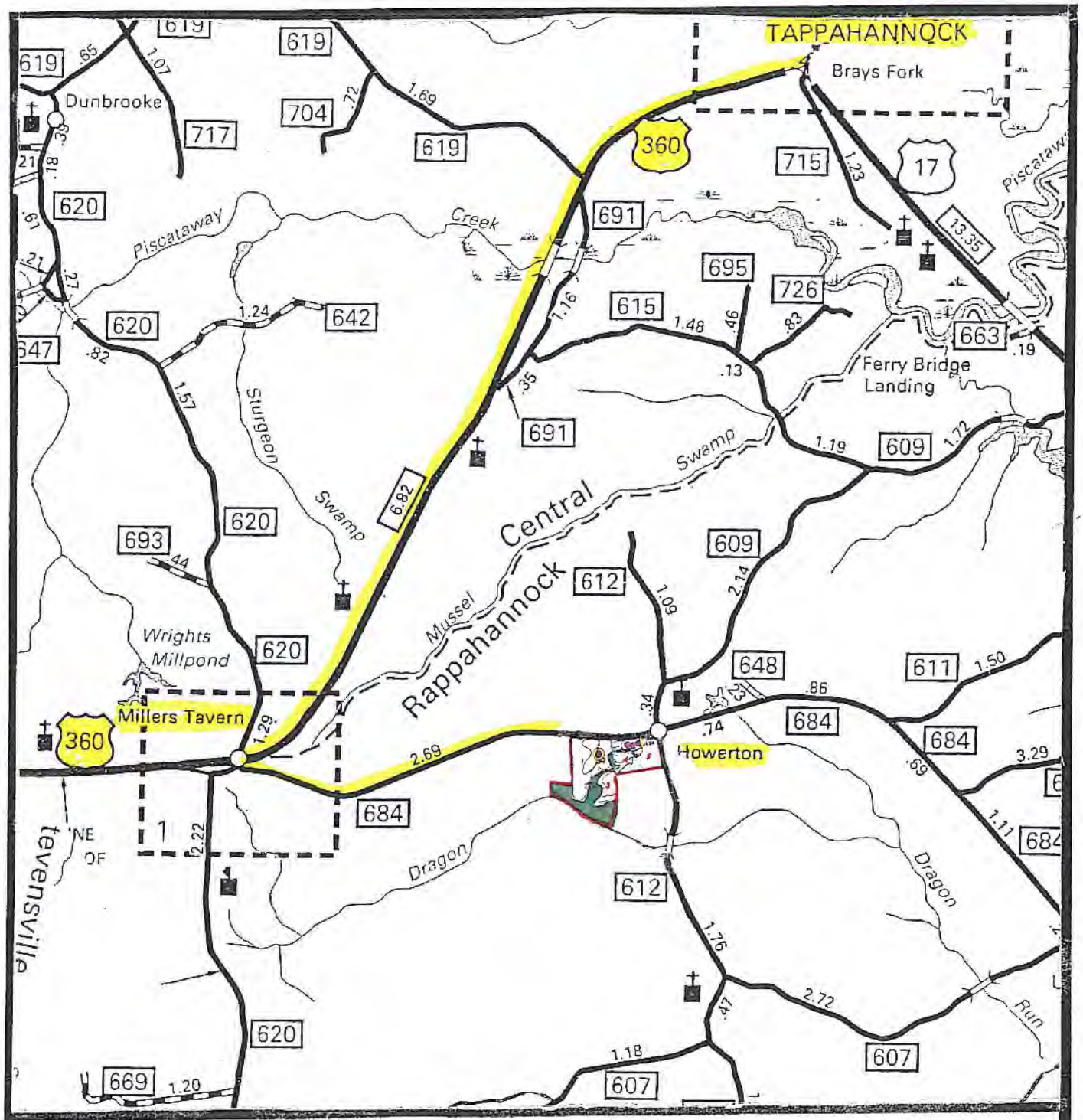
Scale: 1"= 2 miles EXWTD 1-5

VICINITY MAP

N

Recyc Systems™ Inc.

(Biosolids Land Application)



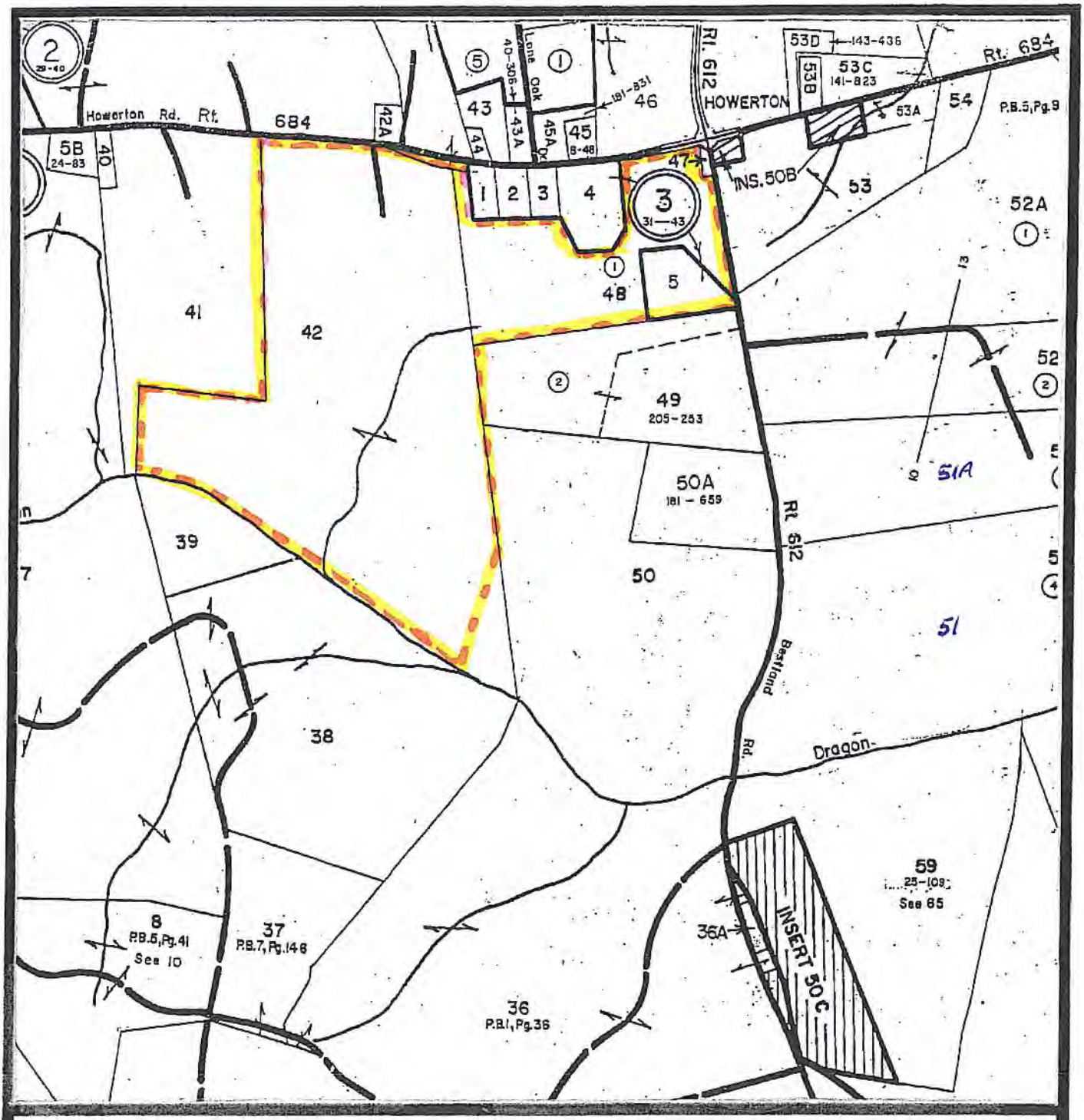
Scale: 1"= 1 mile

EXWTD 1-5

VICINITY MAP

N

Recyc Systems™ Inc. (Biosolids Land Application)



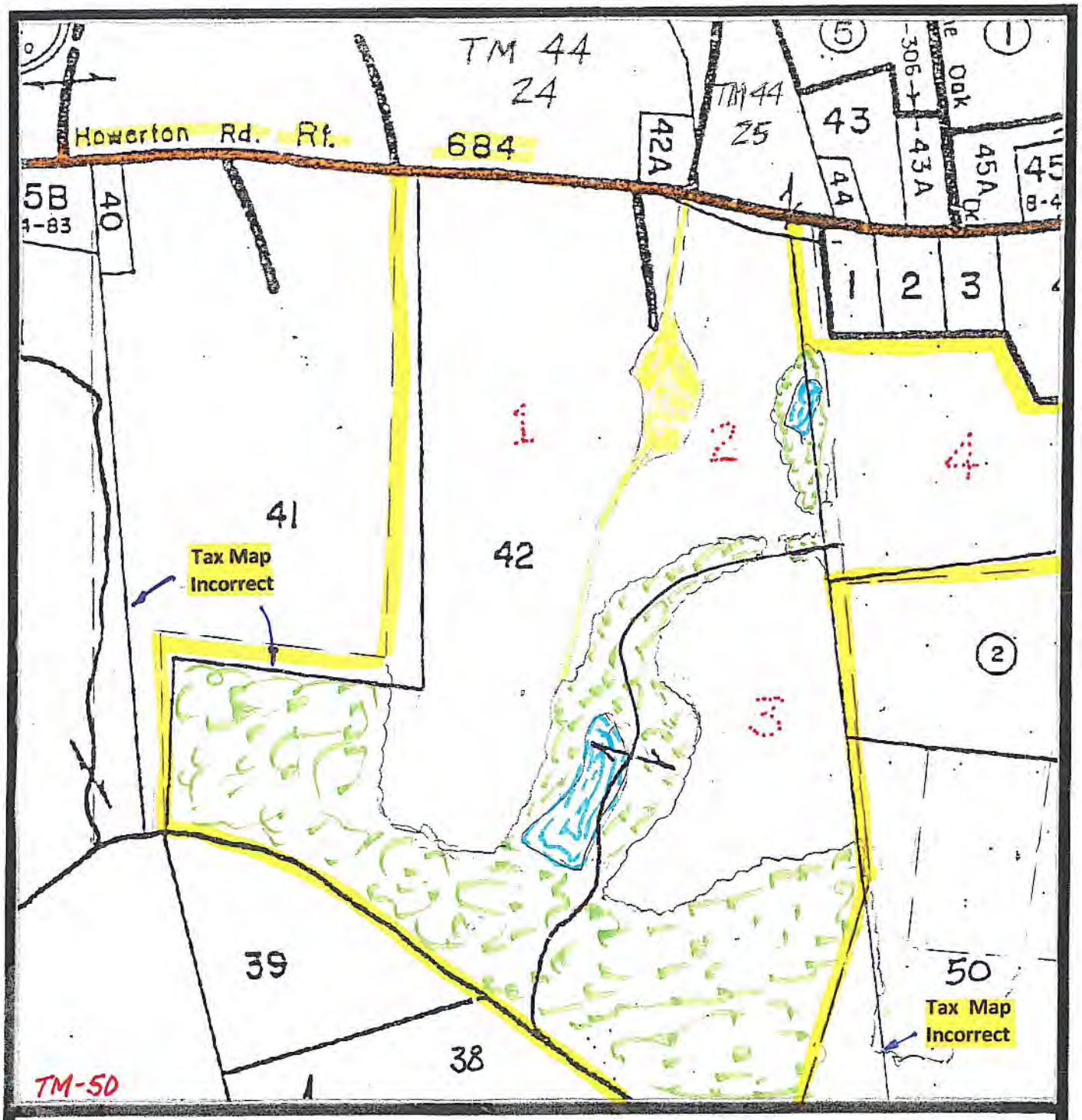
Scale: 1"= 1,000'

EXWTD 1-5

TAX MAP

N

Recyc Systems™ Inc. (Biosolids Land Application)



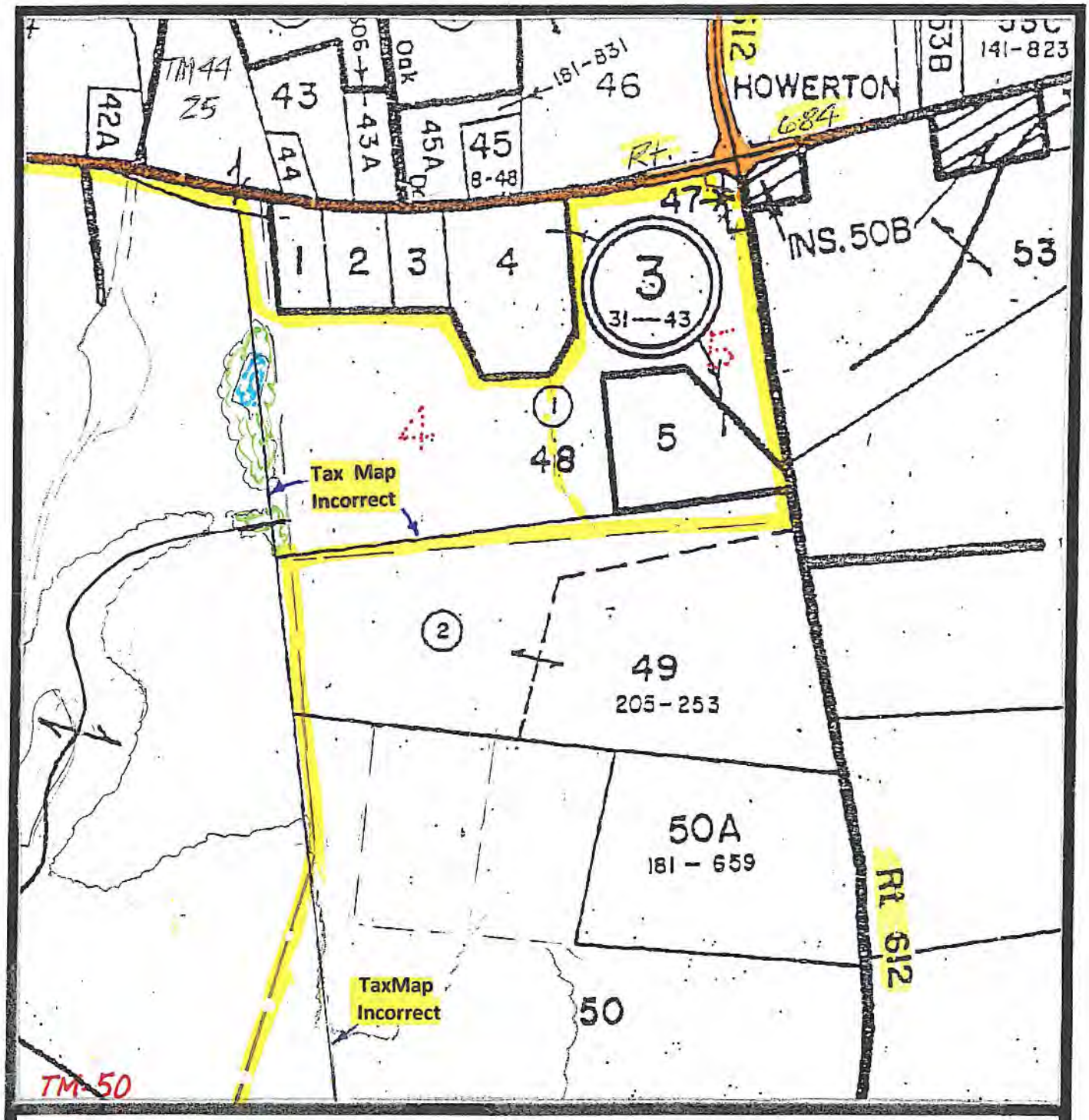
Scale: 1"= 500'

EXWTD 1-4

TAX MAP

N

Recyc Systems™ Inc. (Biosolids Land Application)



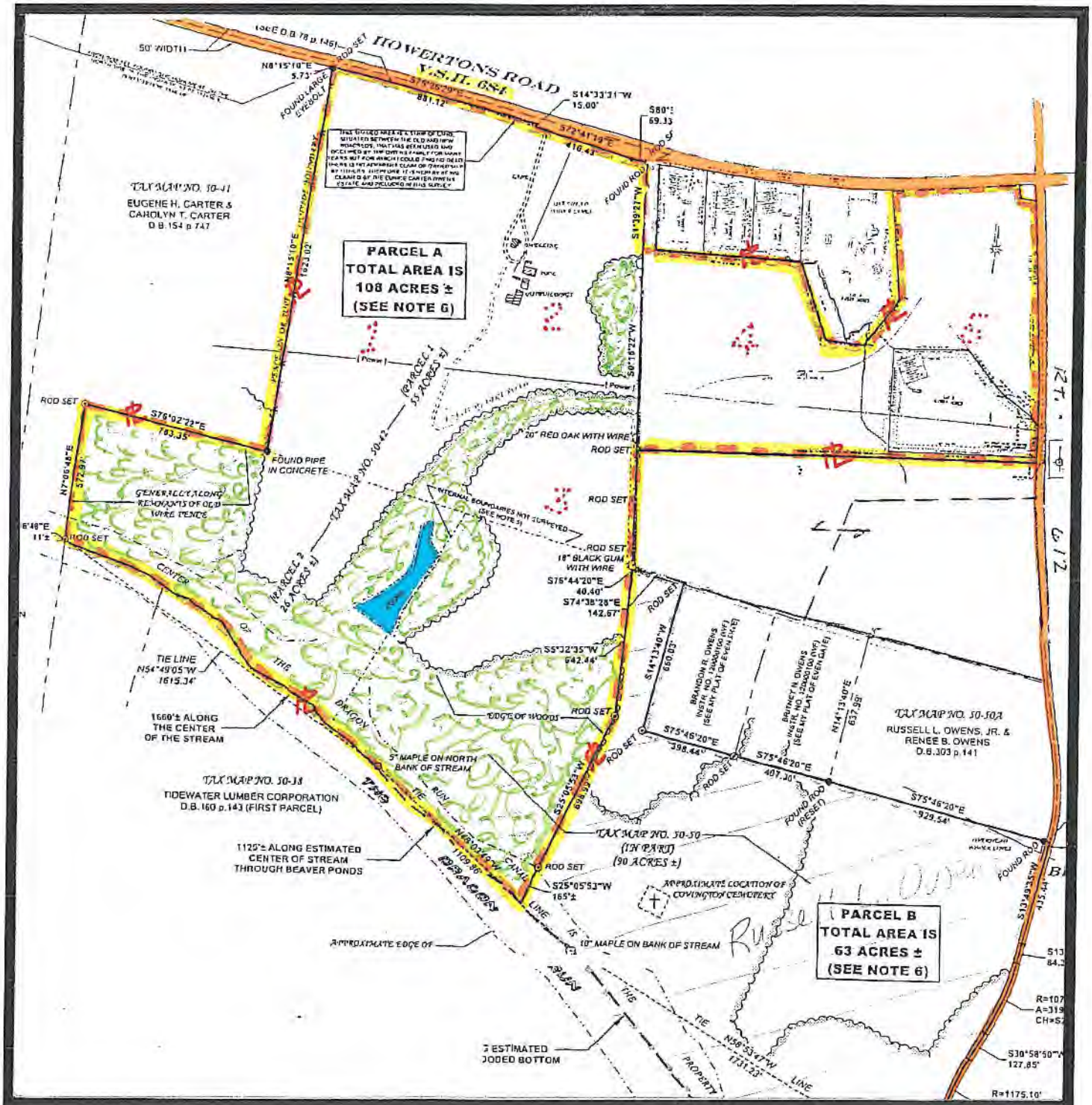
Scale: 1"= 500'

EXWTD 4,5

TAX MAP

N

Recyc Systems™ Inc. (Biosolids Land Application)



Scale: 1"= 600'

SURVEY PLAT
EXWTD 1-5

ADJOINING LANDOWNERS

William T. Davis

ESSEX COUNTY

Tax Map	Parcel #	Owner Name(s)
44	24	Thomas N. Ball et. al
	25	Patricia Elliott Watts
50	36	Doris R. Shelley
	38	Tidewater Lumber Corp.
	39	Tidewater Lumber Corp.
	41	Eugene H. Carter et. ux.
	42A	Howertons Baptist Church Trustees
	46	Charles Linthicum
	47	Larry D. Taylor
	49	Larry D. Taylor et. ux.
	50	Russell L. Owens, Jr.
	52A	Ruth F. Owen Life Estate
	53	Ruth F. Owen Life Estate
50	3-1	Scott Schoolar Properties LLC
	3-2	RJL Homes LLC
	3-3	Claude L. and Rose R. Martin
	3-4	David L. Adams

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'

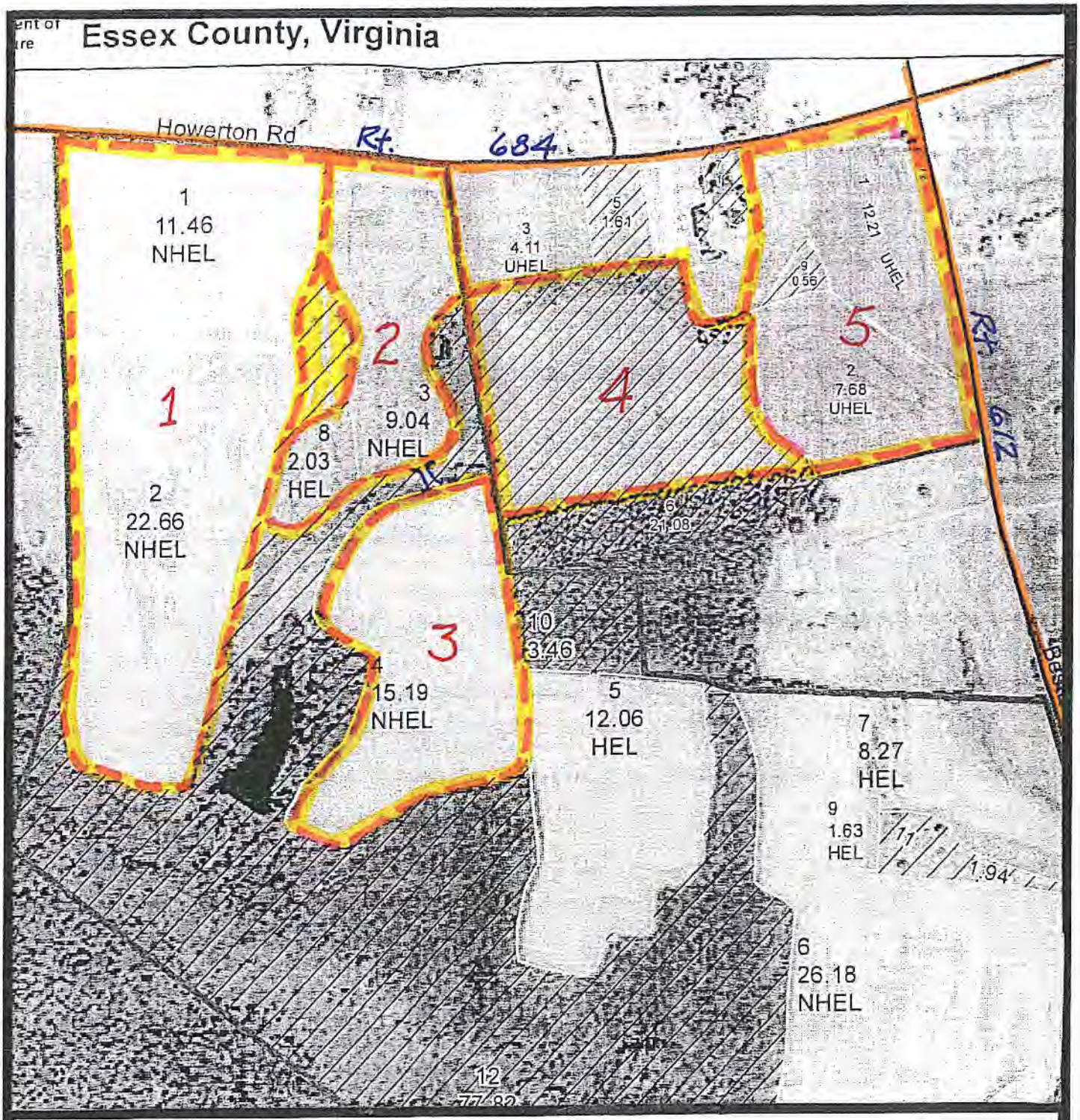
EXWTD 1-5

SOIL MAP

N

Recyc Systems™ Inc.

(Biosolids Land Application)



Scale: 1"= 500'

EXWTD 1-5

AERIAL MAP

N

Legend for Site Plan

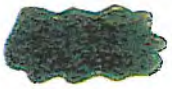
House and Well

Well / Spring

Perennial Streams & Surface

Wet Spot

Intermittent Stream / Drainage



Trees and Woods

Private Drive

Rock / Rocky Area

Sinkhole

Severely Eroded Spot

State Road

Field Boundary / Fence

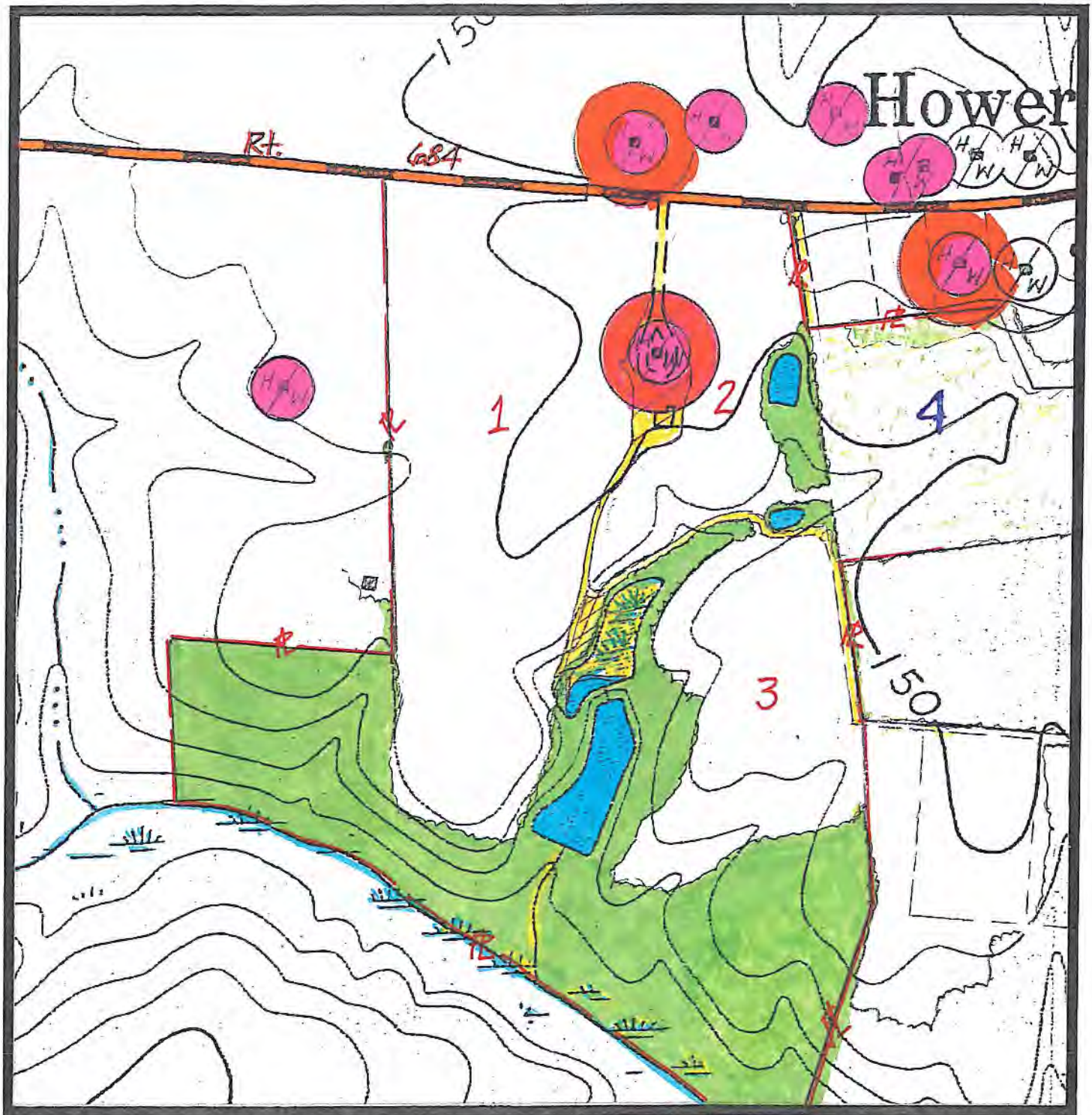
Property Line

Slope

Frequent Flooded Soil

Recyc Systems™ Inc.

(Biosolids Land Application)



Scale: 1"= 500'

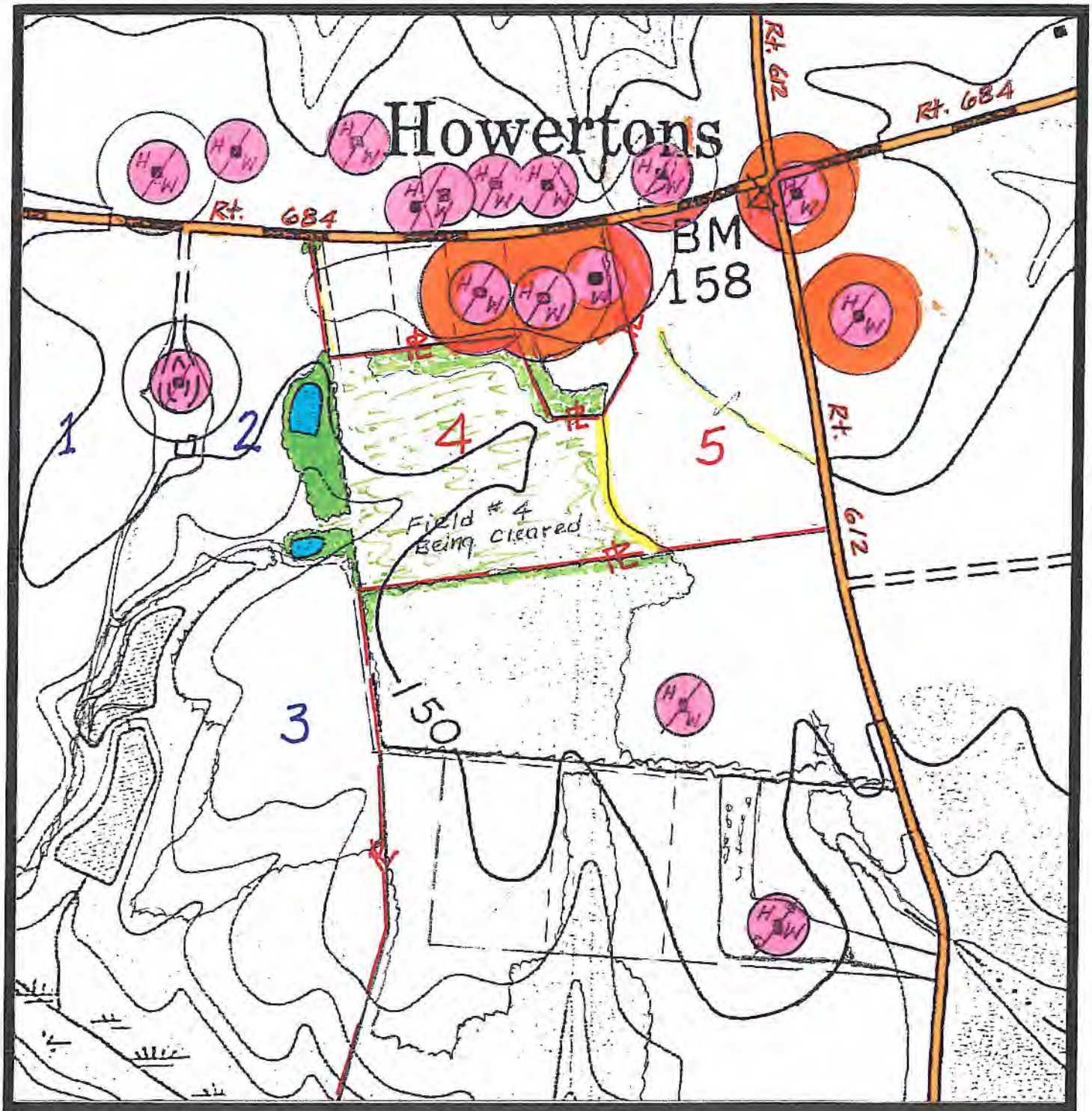
EXWTD 1-3

SITE PLAN

N

Recyc Systems™ Inc.

(Biosolids Land Application)



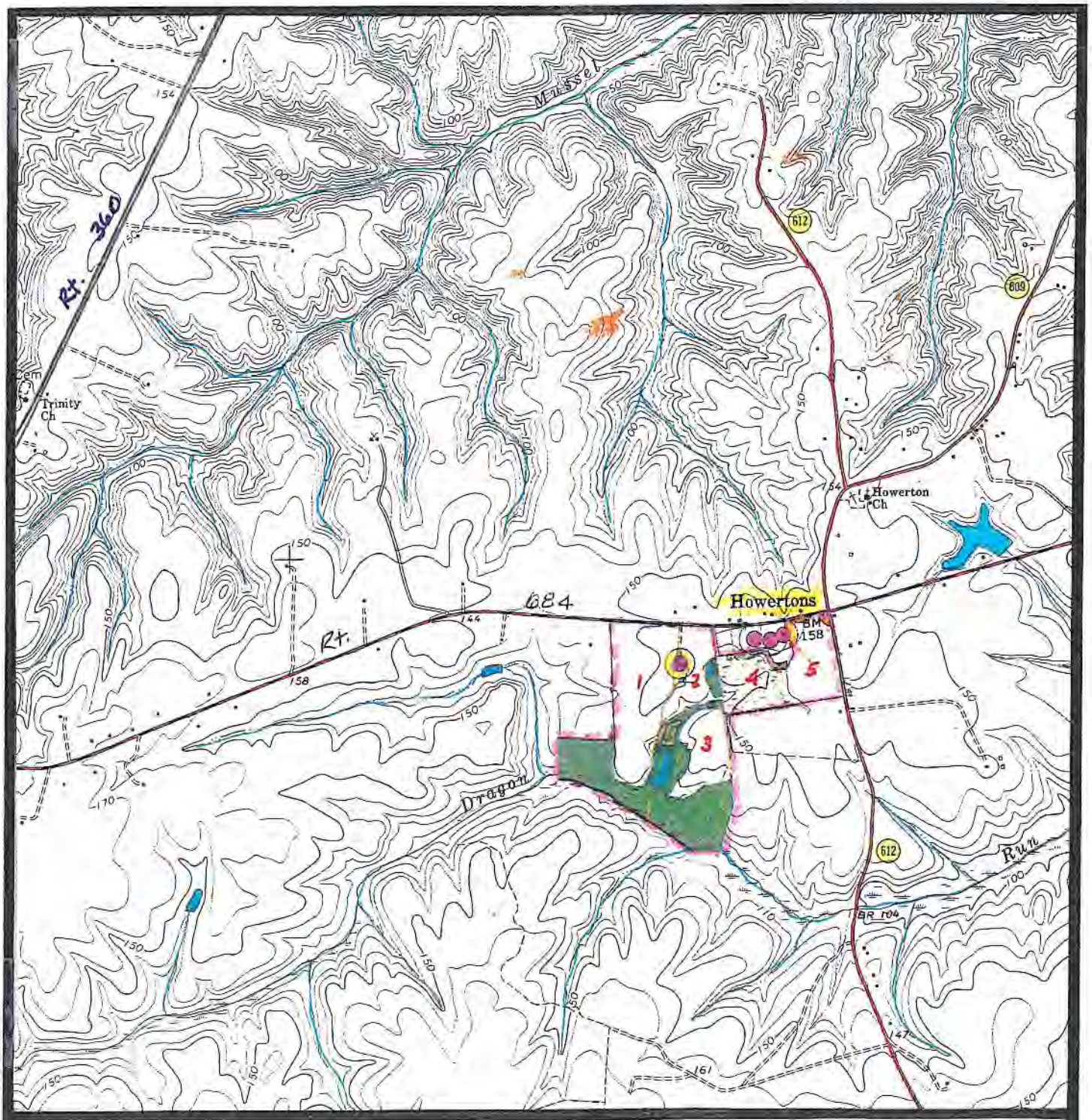
Scale: 1"= 500'

EXWTD 4,5

SITE PLAN

N

Recyc Systems™ Inc. (Biosolids Land Application)



Scale: 1"= 2,000'

EXWTD 1-5

TOPOGRAPHIC MAP

N