LAND APPLICATION SITE

C. DOUGLAS CLIBORNE

DWCDC 1-5

DINWIDDIE 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 3-19-14 between Clarence Douglas Cliborne 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 Dinwiddie, 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
52 - 40			
52 - 41			

☐ 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

Clarence Douglas Cliborne — Landowner – Printed Name, Title
Clarence Douglas Cliborne — Signature
15920 Continental Rd. Mckenney, VA 23872 — Mailing Address & Phone Number
(804) 478-4839

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:** Dinwiddie

Landowner: Clarence Douglas Clibome

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).

C. Douglas Clibome — 3/19/14
Landowner's Signature — Date

16333 Cantree Rd.
McKenney, VA 23872
Mailing Address & Phone Number
(804) 720-5672

Nolan R. Clibome
Farm Operator Signature

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: C. Douglas Cliborne

County or City: Dinwiddie

Please Print Signature not required on this page

Tax Parcel ID(s)	Landowners (s)
52-40	C. Douglas Cliborne
52-41	C. Douglas Cliborne

FARM DATA SHEET

SITE NAME:	C. Douglas Cliborne	**COUNTY:**	Dinwiddie
OWNER:	C. Douglas Cliborne	**OPERATOR:**	Dolores R. Cliborne
OWNER'S ADDRESS:	15920 Continental Road McKenney, VA 23872	**OPERATOR'S ADDRESS:**	16333 Cantree Road McKenney, VA 23872
OWNER'S TELEPHONE:	804-478-4839	**OPERATOR'S TELEPHONE:**	804-720-5672
GENERAL FARM TYPE:	Hay	**CELL PHONE:**	-
# CATTLE:	None	**EMAIL:**	-
LAGOON or SLURRY:	None	**LATITUDE:**	37.049
TOPO QUAD:	Darvills	**LONGITUDE:**	-77.790
COMMENTS:		**METHOD OF DETERMINATION:**	Online Maps

updated BB 3-21-24

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			
DWCDC 01	3.3	-	-	-	-	CU 19	TM 52-41	T 5753 F 9
DWCDC 02	7.3	-	-	-	-	CU 19	TM 52-41	T 5753 F 10
DWCDC 03	3.2	-	-	-	-	CU 19	TM 52-41	T 5753 F 15
DWCDC 04	9.3	-	-	-	-	CU 19	TM 52-41	T 5753 F 14
DWCDC 05	6.0	-	-	-	-	CU 19	TM 52-41	T 5753 F 16, 19
TOTAL ACRES IN SITE	29.1							

** Field ID is abbreviated throughout book. **

3/21/2024

THE PLANNER IS NOT STATE CERTIFIED

Nutrient Management Plan Balance Sheet
(Spring, 2014-Summer, 2016)
C. Douglas Cliborne
Planner: Recyc Systems, Inc

Tract: 5753 **Location: Dinwiddie**
(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	
9/DWCDC 1(N)	3/3	2014	Fescue grass hay mt.	90-100-170	0/0				90-100-170	N/A			
10/DWCDC 2(N)	7/7	2014	Fescue grass hay mt.	70-40-120	0/0				70-40-120	N/A			
15/DWCDC 3(N)	3/3	2014	Fescue grass hay mt.	90-80-220	0/0				90-80-220	N/A			
14/DWCDC 4(N)	9/9	2014	Fescue grass hay mt.	90-60-220	0/0				90-60-220	N/A			
16, 19/DWCDC 5(N)	6/6	2014	Fescue grass hay mt.	90-110-200	0/0				90-110-200	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
5753		DWCDC 1	3	2014-Sp	L+ (19 P ppm)	M (79 K ppm)	A&L MIII	5.7		
5753		DWCDC 2	7	2014-Sp	H+ (102 P ppm)	L+ (49 K ppm)	A&L MIII	5.3		
5753		DWCDC 3	3	2014-Sp	M (38 P ppm)	L (37 K ppm)	A&L MIII	5.2		
5753		DWCDC 4	9	2014-Sp	H- (48 P ppm)	L (37 K ppm)	A&L MIII	6.1		
5753		DWCDC 5	6	2014-Sp	L (13 P ppm)	L+ (48 K ppm)	A&L MIII	5.2		

Field Productivities for Major Crops

Tract Name	Tract/ Field	Field Name	Acres	Predominant Soil Series	Corn	Small Grain	Alfalfa	Grass Hay	Environmental Warnings
5753	5753/9	DWCDC 1	3	Cecil	IVa	II	III	II	
	5753/10	DWCDC 2	7	Appling	IVa	II	III	III	
	5753/15	DWCDC 3	3	Cecil	IVa	II	III	II	
	5753/14	DWCDC 4	9	Cecil	IVa	II	III	II	
	5753/16, 19	DWCDC 5	6	Cecil	IVa	II	III	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, 2014 - Summer, 2016**

Farm Name: **C. Douglas Cliborne**
Location: Dinwiddie
Specialist: Recyc Systems, Inc
N-based Acres: 29.1
P-based Acres: 0.0

Tract Name: **5753**
FSA Number: 5753
Location: Dinwiddie

Field Name: **DWCDC 1**
Total Acres: 3.30 Usable Acres: 3.30
FSA Number: 9
Tract: 5753
Location: Dinwiddie
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
Sp-2014	5.7	L+(19 P ppm)	M(79 K ppm)	A&L MIII

Soils:

PERCENT	SYMBOL	SOIL SERIES

23	2B	Appling
48	4B	Cecil
28	4C	Cecil

Field Warnings:

Crop Rotation:

PLANTED	YIELD	CROP NAME
2014-Sp	3.3 * tons	Fescue grass (hay), maint. - No Till

Field Name: DWCDC 2

Total Acres:	7.30	Usable Acres:	7.30
FSA Number:	10		
Tract:	5753		
Location:		Dinwiddie	
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
Sp-2014	5.3	H+(102 P ppm)	L+(49 K ppm)	A&L MIII

Soils:

PERCENT	SYMBOL	SOIL SERIES
76	2B	Appling
5	4B	Cecil
20	4C	Cecil

Field Warnings:

Crop Rotation:

PLANTED	YIELD	CROP NAME
2014-Sp	2.7 * tons	Fescue grass (hay), maint. - No Till

Field Name: **DWCDC 3**

Total Acres:	3.20	Usable Acres:	3.20
FSA Number:	15		
Tract:	5753		
Location:		Dinwiddie	
Slope Class:	C	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
Sp-2014	5.2	M(38 P ppm)	L(37 K ppm)	A&L MIII

Soils:

PERCENT	SYMBOL	SOIL SERIES
29	4B	Cecil
71	4C	Cecil

Field Warnings:

Crop Rotation:

PLANTED	YIELD	CROP NAME
2014-Sp	3.5 tons	Fescue grass (hay), maint. - No Till

Field Name: **DWCDC 4**

Total Acres:	9.30	Usable Acres:	9.30
FSA Number:	14		
Tract:	5753		
Location:		Dinwiddie	
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
Sp-2014	6.1	H-(48 P ppm)	L(37 K ppm)	A&L MIII	

Soils:

PERCENT	SYMBOL	SOIL SERIES
39	2B	Appling
4	2C	Appling
28	4B	Cecil
29	4C	Cecil

Field Warnings:

Crop Rotation:

PLANTED	YIELD	CROP NAME
2014-Sp	3.1 * tons	Fescue grass (hay), maint. - No Till

Field Name: DWCDC 5

Total Acres:	6.00	Usable Acres:	6.00
FSA Number:	16, 19		
Tract:	5753		
Location:		Dinwiddie	

Slope Class: C 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
Sp-2014	5.2	L(13 P ppm)	L+(48 K ppm)	A&L MIII

Soils:

PERCENT	SYMBOL	SOIL SERIES
28	4B	Cecil
72	4C	Cecil

Field Warnings:

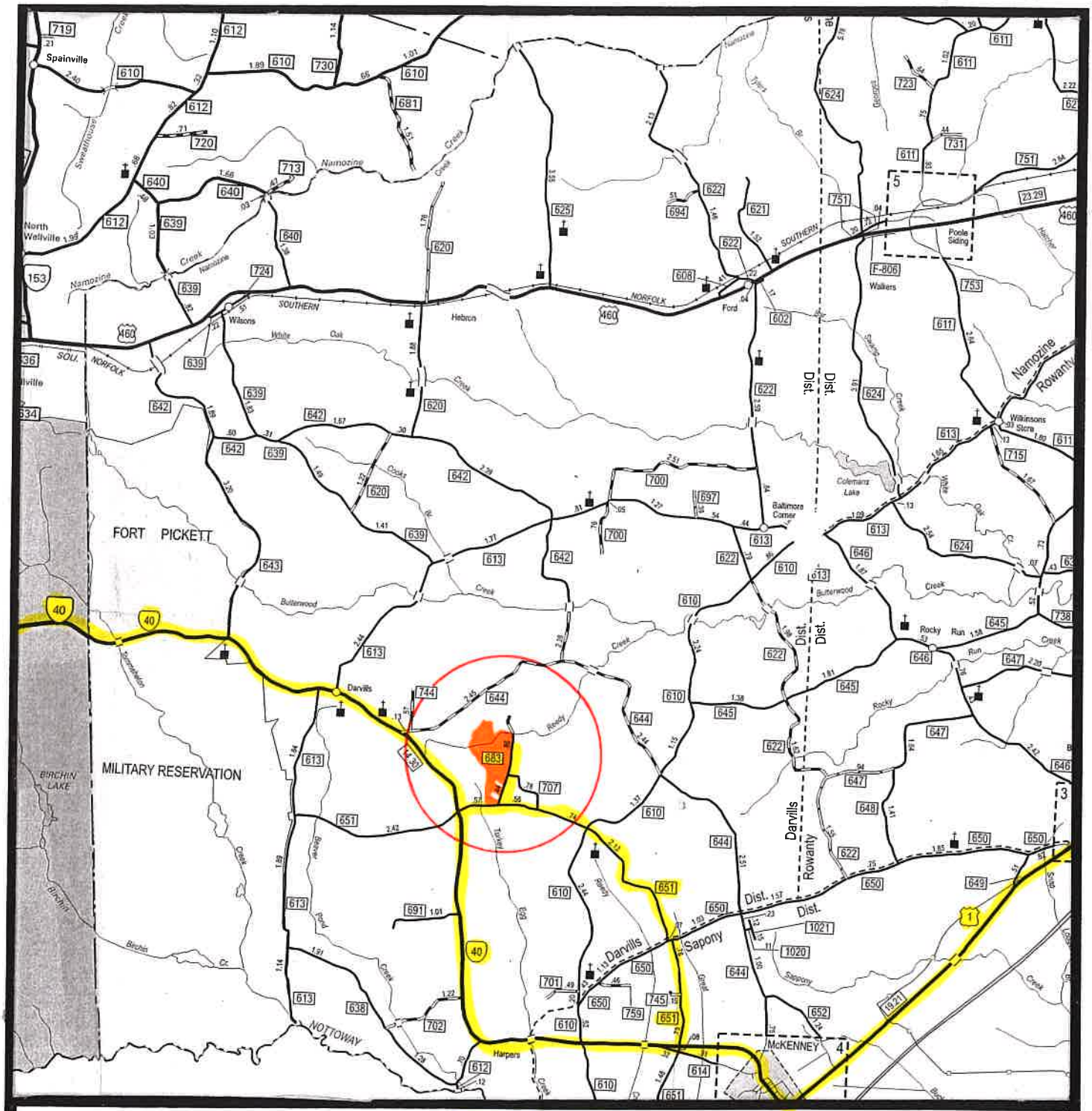
Crop Rotation:

PLANTED	YIELD	CROP NAME
2014-Sp	3.5 tons	Fescue grass (hay), maint. - No Till

MAPS

Recyc Systems™ Inc.

(Biosolids Land Application)



Scale: 1"= 2 miles

Truck Route Yellow

DWCDC 1-5

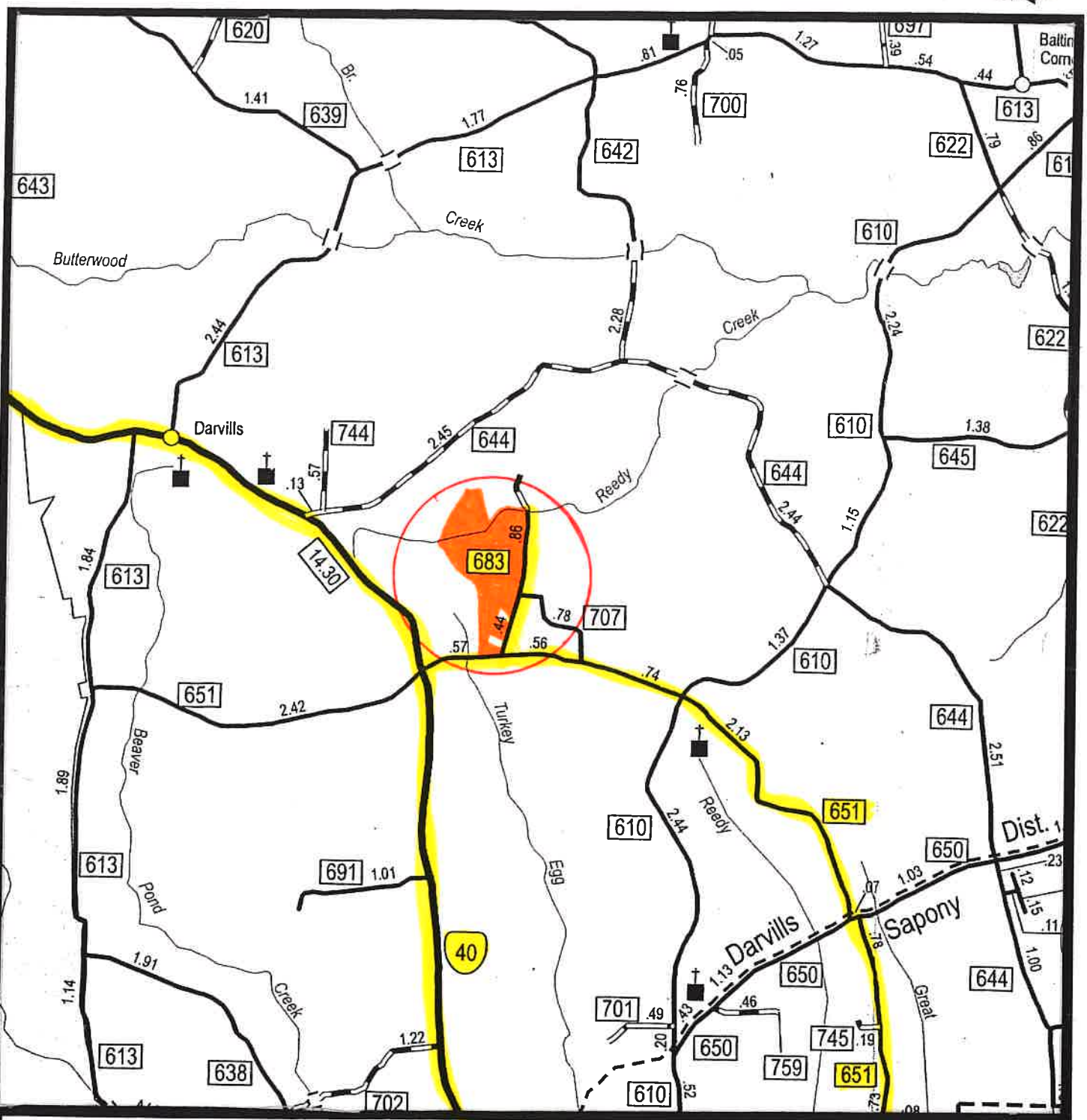
3-21-24

VICINITY MAP

N

Recyc Systems™ Inc.

(Biosolids Land Application)



Scale: 1"= 1 mile

Truck Route
Yellow

DWCDC 1-5

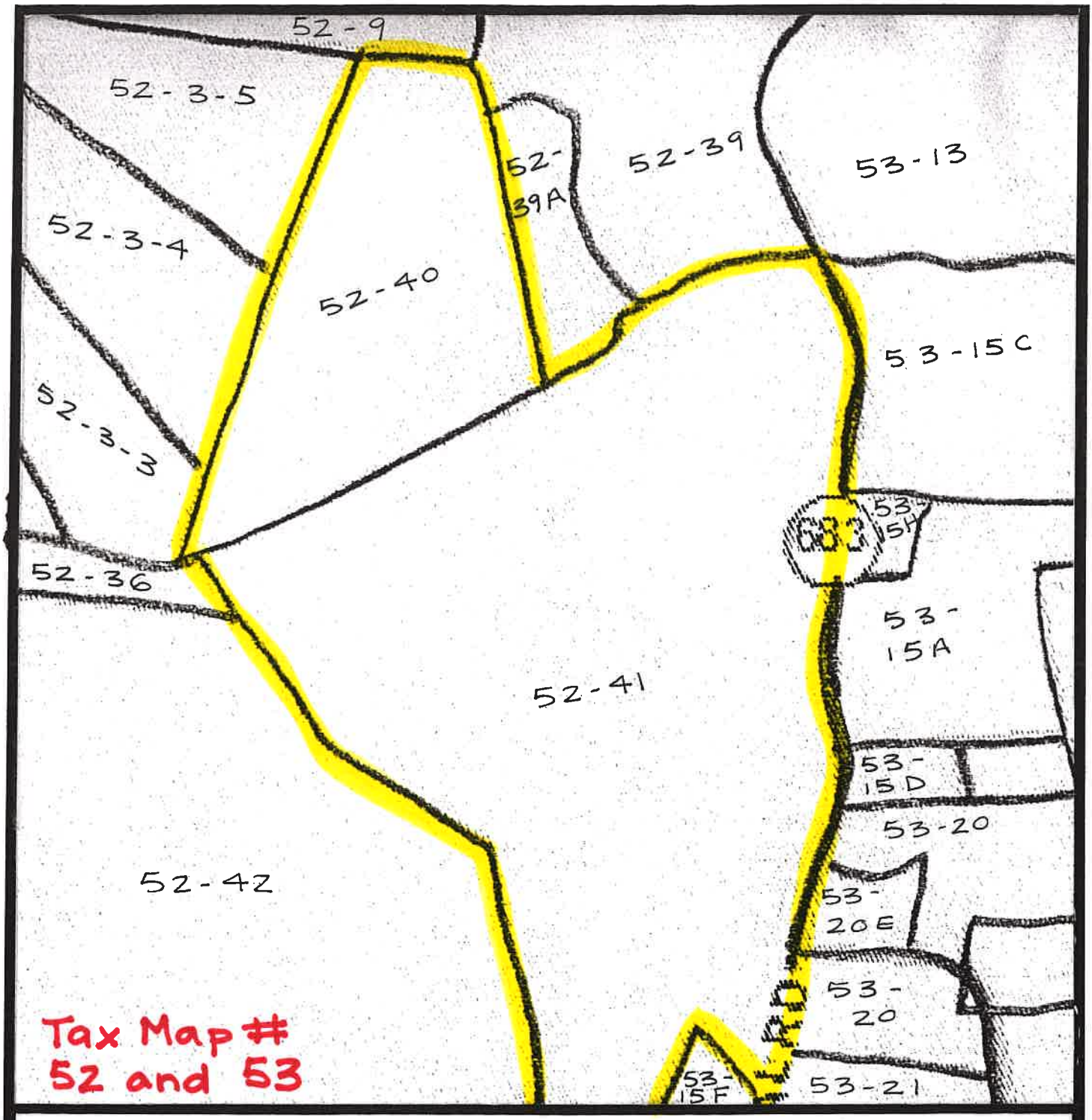
3-21-24

VICINITY MAP

N

Recyc Systems™ Inc.

(Biosolids Land Application)



Scale: 1"= 660 ft.

DWCDC 1-4

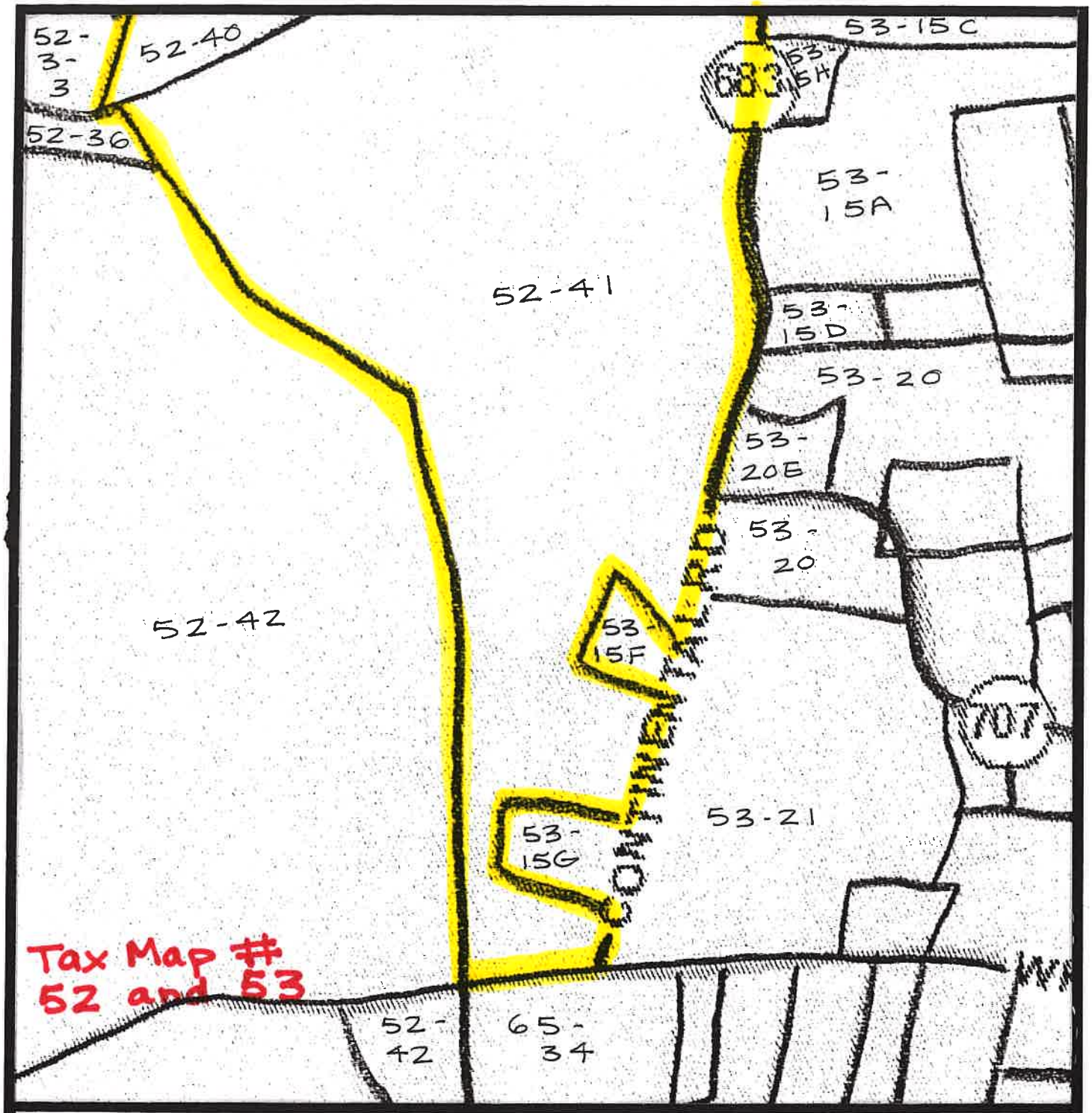
3-21-24

TAX MAP

N

Recyc Systems™ Inc.

(Biosolids Land Application)



Scale: 1"= 660 ft.

DWCDC 1-5

3-21-24

TAX MAP

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ADJOINING LANDOWNERS

C. Douglas Cliborne

DINWIDDIE COUNTY

Tax Map	Parcel #	Owner Name(s)
52	9	Stonewall Timberlands LLC
	36	Phyllis Myrna Gauldin
	39	Bennett E. B. Rosemary Church
	39A	Bennett E. Jr. or Diana B. Church
	42	Stonewall Timberlands LLC
52-3	3	Danny R. and Kimberly K. Partin
	4	Charles D. and Teresa J. Stump
	5	James J. and Deborah T. Clary
53	13	Daniel W. Sturt Jr. Trustee; Daniel W. Sturt Jr. Revocable Trust
	15A	Thomas L. McElduff
	15C	Devin E. Karp
	15D	Rosemary V. Wilkins
	15F	David Michael and Wendy C. Rose
	15G	Timothy James Rose
	15H	Daniel H. Dibdin
	20	Garland S. Jr. and Dorlores R. Cliborne
	20E	Garland Spencer Cliborne III
	21	Lois Cliborne and Robert Alex Franchok
65	34	William M. Tilson

Recyc Systems™ Inc.

(Biosolids Land Application)

Scale: 1"= 660 ft.

DWCDC 1-5

3-21-24

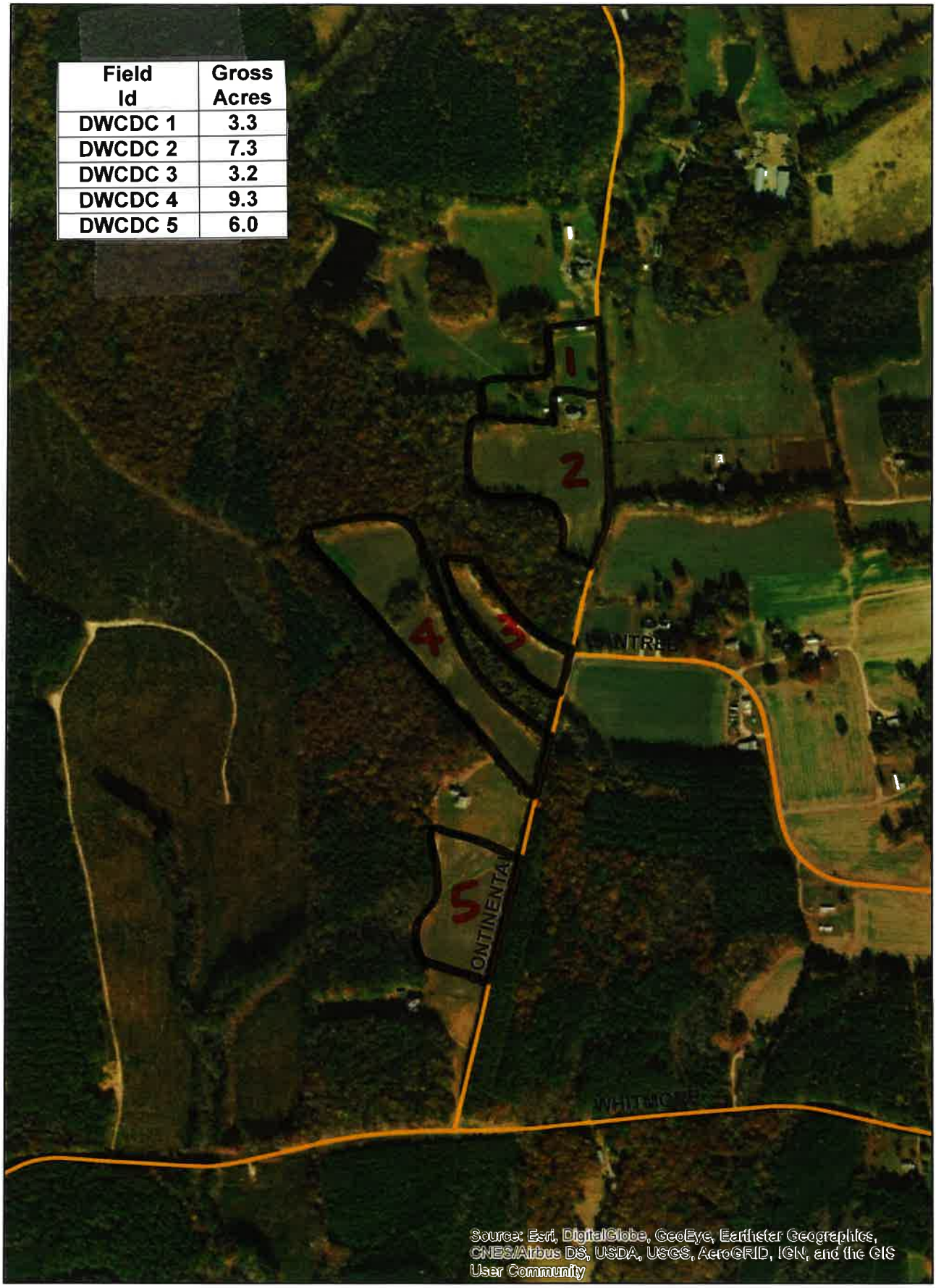
SOIL MAP

N

Recyc Systems Inc.

C. Douglas Cliborne DWCDC

Field Id	Gross Acres
DWCDC 1	3.3
DWCDC 2	7.3
DWCDC 3	3.2
DWCDC 4	9.3
DWCDC 5	6.0



N

3-21-24

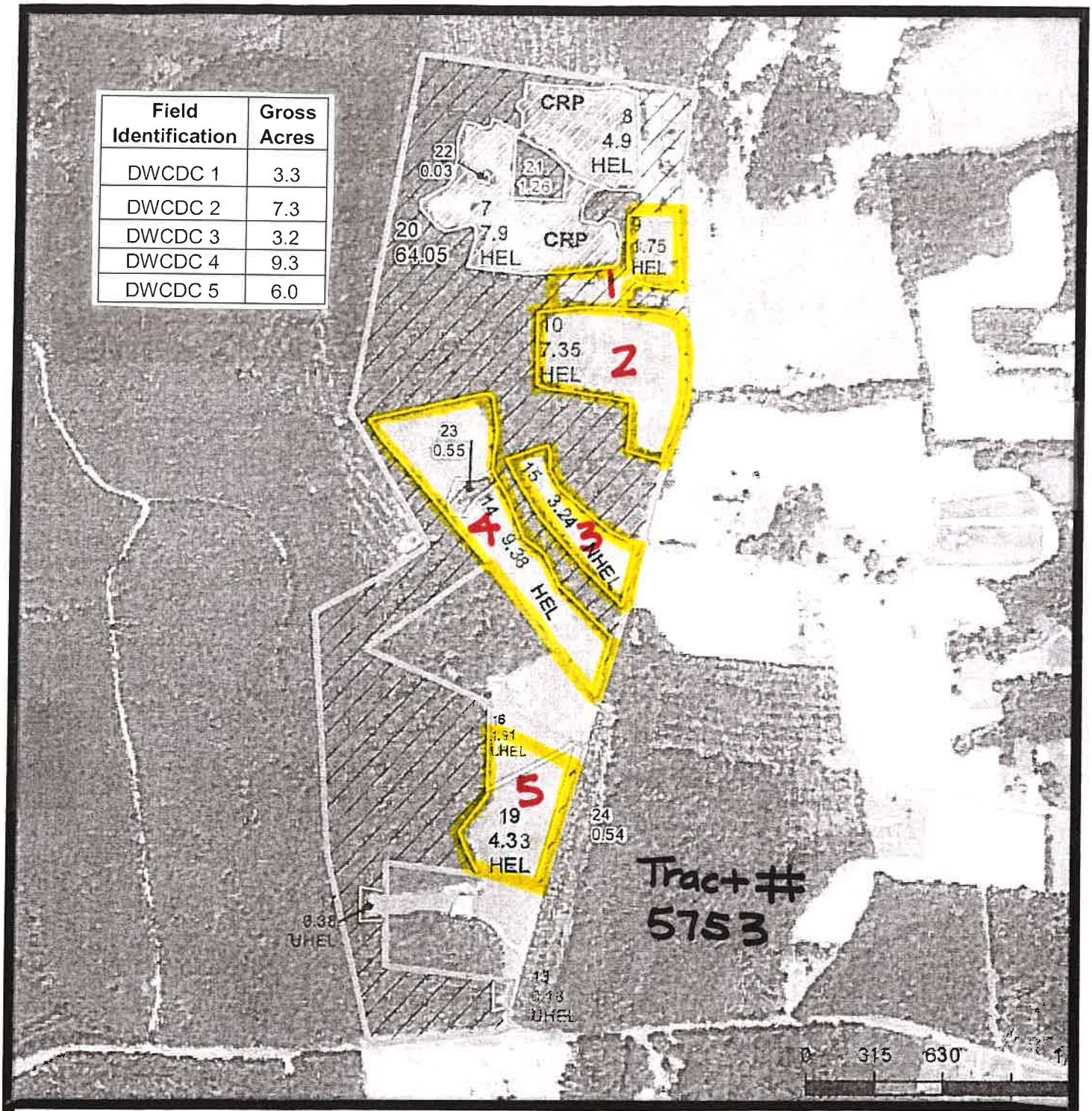
Aerial Map

1 in = 660 feet

Recyc Systems™ Inc.

(Biosolids Land Application)

Field Identification	Gross Acres
DWCDC 1	3.3
DWCDC 2	7.3
DWCDC 3	3.2
DWCDC 4	9.3
DWCDC 5	6.0



Scale: 1"= 660 ft.

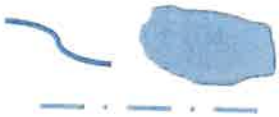
DWCDC 1-5

3-21-24

AERIAL MAP

N

Legend For Site Plan

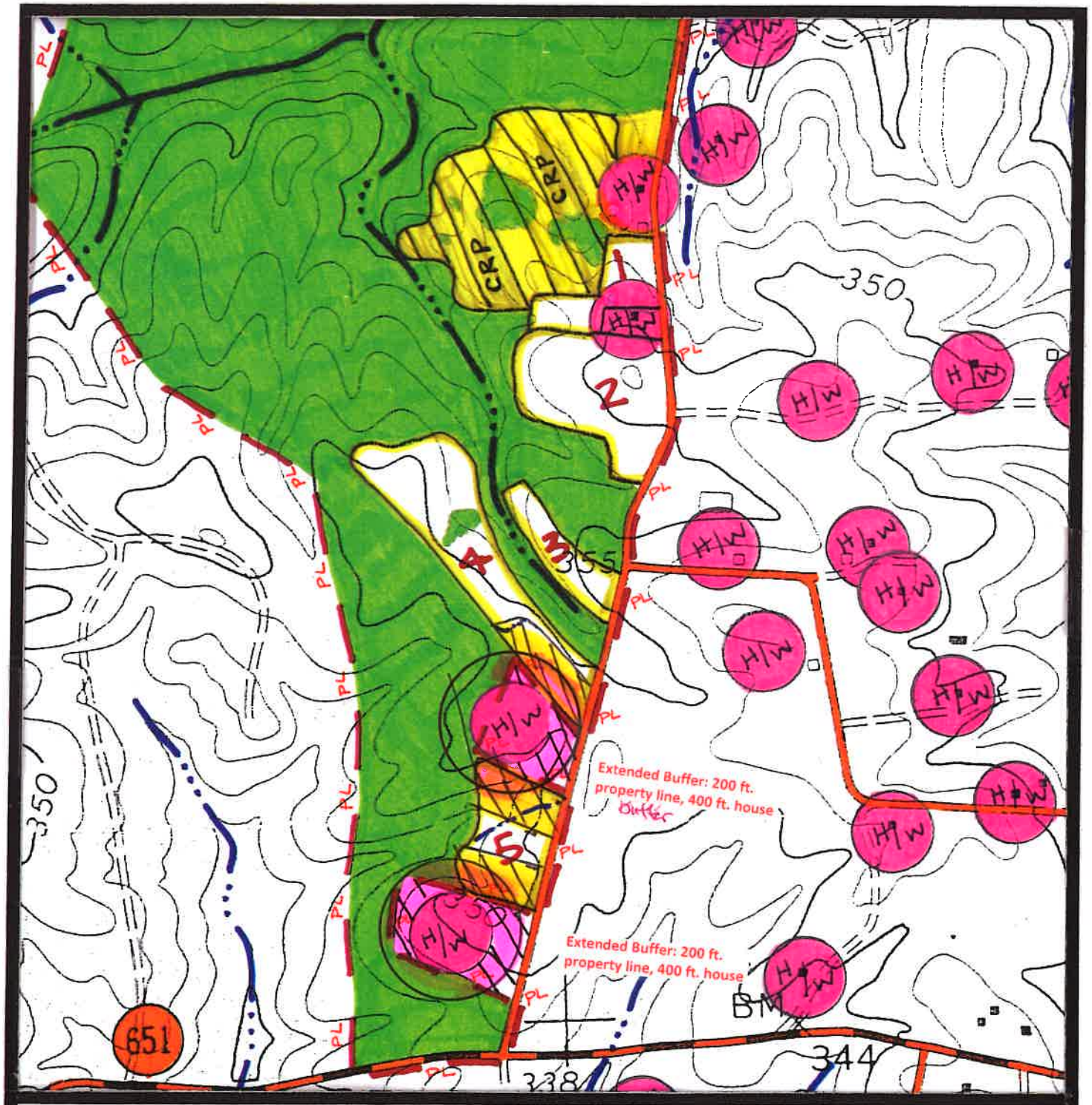
Symbol	Feature	Minimum Setback
	House and Well	200 feet from occupied dwelling * 100 feet from water supply wells or springs
	Well or Spring	100 feet from water supply wells or springs
	Streams or Surface Water	35 feet with 35 foot vegetated buffer 100 feet without vegetated buffer
	Wet Spot	
	Trees and Woods	
	Private Drive	
	Rock Area/Rock Outcrop	25 feet from rock outcrops 50 feet from limestone rock outcrops
	Severely Eroded Spot	18 Inch minimum depth of soil
	Sink Hole	100 feet from open sinkholes 50 feet from closed sinkholes
	State Road	10 feet from side of roadway
	Fence / Field Boundary	
	Property Line	100 feet from property line *
	Slope	15% maximum
	Hashed out Area	No application

*Buffer can be reduced or waived upon written consent from landowner.

Recyc Systems™ Inc.

*Updated 3-3-21 *

(Biosolids Land Application)



Scale: 1"= 660 ft.

DWCDC 1-5

3-21-24

SITE PLAN

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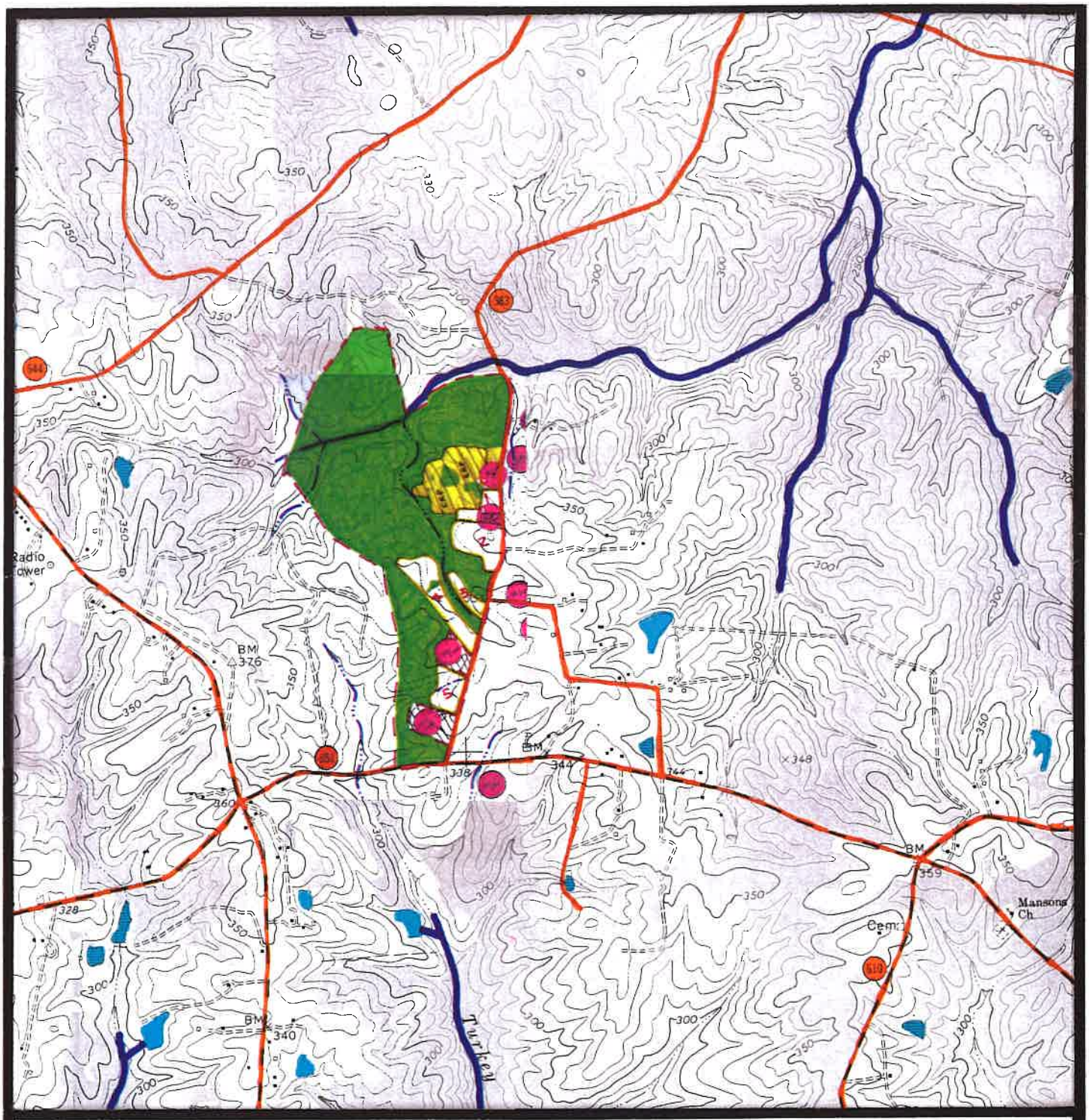
Recyc Systems™ Inc.

(Biosolids Land Application)



Scale: 1"= 2000 ft.

DWCDC 1-5

3-21-24

TOPOGRAPHIC MAP

N