LAND APPLICATION SITE

CLARENCE W TIGNOR

CRCWT 1–5, 8–11, 14-16

CAROLINE COUNTY

Event	Date	Initials
Code: 9816		
Scanned	6/29/11	BB
QC		

RECYC SYSTEMS, INC

PART D-VI BIOSOLIDS APPLICATION AGREEMENT

This biosolids application agreement is made on 8/30/09 between Paul Pitts, referred to here as "landowner", and Recyc Systems, Inc, referred to here as the "Permittee".

Landowner is the owner of agricultural land shown on the map attached as Exhibit A and designated there as _____ ("landowner's land"). Permittee agrees to apply and landowner agrees to comply with certain permit requirements following application of biosolids on landowner's land in amounts and in a manner authorized by (VPA) (VPDES) permit number _____ which is held by the Permittee.

Landowner acknowledges that the appropriate application of biosolids will be beneficial in providing fertilizer and soil conditioning to the property and consents to the application of biosolids on his property. Moreover, landowner acknowledges having been expressly advised that, in order to protect public health:

1. Public access to landowner's land upon which biosolids have been applied should be controlled for at least 30 days following any application of biosolids and 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;

2. 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. 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, or 38 months when the biosolids remain on the land surface for a time period of less than four (4) months prior to incorporation. Other food crops, feed crops and fiber crops shall not be harvested for 30 days after the application of biosolids;

3. Following biosolids application to pasture or hayland sites, meat producing livestock should not be grazed or fed chopped foliage for 30 days and lactating dairy animals should be similarly restricted for a minimum of 60 days. Other animals should be restricted from grazing for 30 days;

4. Supplemental commercial fertilizer or manure applications should be coordinated with the biosolids applications such that the total crop needs for nutrients are not exceeded as identified in the nutrient management plan developed by a person certified in accordance with §10.1-104.2 of the Code of Virginia to be supplied to the landowner by the permittee at the time of application of biosolids to a specific permitted site;

5. Tobacco, because it has been shown to accumulate cadmium, should not be grown on landowner's land for three years following the application of biosolids borne cadmium equal to or exceeding 0.45 pounds/acre (0.5 kilograms/hectare).

6. Turf grown on land where biosolids are applied shall not be harvested for one year after application of biosolids when the harvested turf is placed on either land with a high potential for public exposure or a lawn, unless otherwise specified by the permitting authority.

The landowner agrees to allow county officials access to the area of the property permitted for biosolids, whenever necessary, to complete site inspections related to the scheduled biosolids program.

Permittee agrees to notify landowner or landowner designee of the proposed schedule for biosolids application and specifically prior to any particular application to landowner's land. This agreement may be terminated by either party upon written notice to the address specified below.

Landowner Signature:
* Paul D. Pitts

Mailing Address:
P.O. Box 1132
Bowling Green, Va 22427

Farm Operator Signature:
* Clarence Tignor Jr

Mailing Address:
31325 Sparta Rd
Milford Va 22514

Permittee:
Recyc Systems, Inc.

Mailing Address:
P.O. Box 562
Remington Virginia 22734
(540) 547-3300

RECYC SYSTEMS, INC

PART D-VI BIOSOLIDS APPLICATION AGREEMENT

This biosolids application agreement is made on 6-12-08 between Clarence W. Tignor Sr referred to here as "landowner", and Recyc Systems, Inc, referred to here as the "Permittee".

Landowner is the owner of agricultural land shown on the map attached as Exhibit A and designated there as _____ ("landowner's land"). Permittee agrees to apply and landowner agrees to comply with certain permit requirements following application of biosolids on landowner's land in amounts and in a manner authorized by (VPA) (VPDES) permit number _____ which is held by the Permittee.

Landowner acknowledges that the appropriate application of biosolids will be beneficial in providing fertilizer and soil conditioning to the property and consents to the application of biosolids on his property. Moreover, landowner acknowledges having been expressly advised that, in order to protect public health:

1. Public access to landowner's land upon which biosolids have been applied should be controlled for at least 30 days following any application of biosolids and 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;

2. 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. 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, or 38 months when the biosolids remain on the land surface for a time period of less than four (4) months prior to incorporation. Other food crops, feed crops and fiber crops shall not be harvested for 30 days after the application of biosolids;

3. Following biosolids application to pasture or hayland sites, meat producing livestock should not be grazed or fed chopped foliage for 30 days and lactating dairy animals should be similarly restricted for a minimum of 60 days. Other animals should be restricted from grazing for 30 days;

4. Supplemental commercial fertilizer or manure applications should be coordinated with the biosolids applications such that the total crop needs for nutrients are not exceeded as identified in the nutrient management plan developed by a person certified in accordance with §10.1-104.2 of the Code of Virginia to be supplied to the landowner by the permittee at the time of application of biosolids to a specific permitted site;

5. Tobacco, because it has been shown to accumulate cadmium, should not be grown on landowner's land for three years following the application of biosolids borne cadmium equal to or exceeding 0.45 pounds/acre (0.5 kilograms/hectare).

6. Turf grown on land where biosolids are applied shall not be harvested for one year after application of biosolids when the harvested turf is placed on either land with a high potential for public exposure or a lawn, unless otherwise specified by the permitting authority.

The landowner agrees to allow county officials access to the area of the property permitted for biosolids, whenever necessary, to complete site inspections related to the scheduled biosolids program.

Permittee agrees to notify landowner or landowner designee of the proposed schedule for biosolids application and specifically prior to any particular application to landowner's land. This agreement may be terminated by either party upon written notice to the address specified below.

Landowner Signature:
Clarence W Tignor Sr.

Mailing Address:
31194 Sparta Road
Milford Va. 22514
Tel # 804-633-6630

Farm Operator Signature:
Same

Mailing Address:
Same
Tel #

Permittee:
Recyc Systems, Inc.

Mailing Address:
P.O. Box 562
Remington Virginia 22734
(540) 547-3300

RECYC SYSTEMS, INC

PART D-VI BIOSOLIDS APPLICATION AGREEMENT

This biosolids application agreement is made on 6-12-08 between Clarence W. Tignor, Jr. referred to here as "landowner", and Recyc Systems, Inc, referred to here as the "Permittee".

Landowner is the owner of agricultural land shown on the map attached as Exhibit A and designated there as _____ ("landowner's land"). Permittee agrees to apply and landowner agrees to comply with certain permit requirements following application of biosolids on landowner's land in amounts and in a manner authorized by (VPA) (VPDES) permit number _____ which is held by the Permittee.

Landowner acknowledges that the appropriate application of biosolids will be beneficial in providing fertilizer and soil conditioning to the property and consents to the application of biosolids on his property. Moreover, landowner acknowledges having been expressly advised that, in order to protect public health:

1. Public access to landowner's land upon which biosolids have been applied should be controlled for at least 30 days following any application of biosolids and 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;

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The landowner agrees to allow county officials access to the area of the property permitted for biosolids, whenever necessary, to complete site inspections related to the scheduled biosolids program.

Permittee agrees to notify landowner or landowner designee of the proposed schedule for biosolids application and specifically prior to any particular application to landowner's land. This agreement may be terminated by either party upon written notice to the address specified below.

Landowner Signature:
Clarence W. Tignor, Jr.

Mailing Address:
31325 Sparta Rd.
Milford, Va. 22514

Farm Operator Signature:
Same

Mailing Address:

Permittee:
Recyc Systems, Inc.

Mailing Address:
P.O. Box 562
Remington Virginia 22734
(540) 547-3300

Passing Rd
on corner of
Hustle Rd.

RECYC SYSTEMS, INC

PART D-VI BIOSOLIDS APPLICATION AGREEMENT

This biosolids application agreement is made on 7-25-08 between William R. Turpin, referred to here as "landowner", and Recyc Systems, Inc, referred to here as the "Permittee".

Landowner is the owner of agricultural land shown on the map attached as Exhibit A and designated there as _____ ("landowner's land"). Permittee agrees to apply and landowner agrees to comply with certain permit requirements following application of biosolids on landowner's land in amounts and in a manner authorized by (VPA) (VPDES) permit number _____ which is held by the Permittee.

Landowner acknowledges that the appropriate application of biosolids will be beneficial in providing fertilizer and soil conditioning to the property and consents to the application of biosolids on his property. Moreover, landowner acknowledges having been expressly advised that, in order to protect public health:

1. Public access to landowner's land upon which biosolids have been applied should be controlled for at least 30 days following any application of biosolids and 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;

2. 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. 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, or 38 months when the biosolids remain on the land surface for a time period of less than four (4) months prior to incorporation. Other food crops, feed crops and fiber crops shall not be harvested for 30 days after the application of biosolids;

3. Following biosolids application to pasture or hayland sites, meat producing livestock should not be grazed or fed chopped foliage for 30 days and lactating dairy animals should be similarly restricted for a minimum of 60 days. Other animals should be restricted from grazing for 30 days;

4. Supplemental commercial fertilizer or manure applications should be coordinated with the biosolids applications such that the total crop needs for nutrients are not exceeded as identified in the nutrient management plan developed by a person certified in accordance with §10.1-104.2 of the Code of Virginia to be supplied to the landowner by the permittee at the time of application of biosolids to a specific permitted site;

5. Tobacco, because it has been shown to accumulate cadmium, should not be grown on landowner's land for three years following the application of biosolids borne cadmium equal to or exceeding 0.45 pounds/acre (0.5 kilograms/hectare).

6. Turf grown on land where biosolids are applied shall not be harvested for one year after application of biosolids when the harvested turf is placed on either land with a high potential for public exposure or a lawn, unless otherwise specified by the permitting authority.

The landowner agrees to allow county officials access to the area of the property permitted for biosolids, whenever necessary, to complete site inspections related to the scheduled biosolids program.

Permittee agrees to notify landowner or landowner designee of the proposed schedule for biosolids application and specifically prior to any particular application to landowner's land. This agreement may be terminated by either party upon written notice to the address specified below.

Landowner Signature: William R. Turpin

Mailing Address: P.O. BOX 10
NEWTOWN, VA. 23126
Tel # 804-769-3897

Farm Operator Signature: Clarence W. Tignor

Mailing Address: 31194 Sparta Road
Milford Va. 22514
Tel # 804-633-6630

Permittee: Recyc Systems, Inc.

Mailing Address: P.O. Box 562
Remington Virginia 22734
(540) 547-3300

PUBLIC FARMERS GENERATORS

Recyc Systems Inc.

ADJOINING LANDOWNER WAIVERS

DATE: 2-8-02

FARM SITE: beside old Homeplace - Noel Place 624 King ~~Queen~~ Co

COUNTY: Caroline

_____ initial

I hereby give permission for Recyc Systems, Inc to apply biosolids within 25 feet of my property line. I understand that VDH provides a 100 / 50 foot buffer from property lines.

A 100 foot buffer from wells and springs will be maintained as required by VDH.
A 200 foot buffer from occupied residences will be maintained.

John R Legnor
Landowner Signature

P.O. Box 562 Remington, Virginia 22734 (540) 439-3261 Toll Free: (800) 352-3261 Fax: (540) 439-1763

PUBLIC FARMERS GENERATORS

Recyc Systems Inc.

ADJOINING LANDOWNER WAIVERS

DATE: 2-9-02

FARM SITE: Bobby-Clarena Farm

COUNTY: Caroline

_____ initial

I hereby give permission for Recyc Systems, Inc to apply biosolids within 25 feet of my property line. I understand that VDH provides a 100 / 50 foot buffer from property lines.

A 100 foot buffer from wells and springs will be maintained as required by VDH.
A 200 foot buffer from occupied residences will be maintained.

Mitchell R Fortune
Landowner Signature

Easter Seal

P.O. Box 562 Remington, Virginia 22734 (540) 439-3261 Toll Free: (800) 352-3261 Fax: (540) 439-1763

Clarence W Tignor
Caroline County

Owner & Address	Field Number	Tax Map Number	Latitude	Longtitude
Clarence W Tignor 31194 Sparta Road Milford, Virginia 22514 804.633.6630	CRCWT 1-4 CRCWT 5	TM 77 P 6, 8, 9, 10, 11 TM 77 P 27, 28, 29, 31	38 58' 35" 37 58'35"	77 06'17" 77 07'10"
Paul David Pitts 18005 Dodge City Road Milford, Virginia 22514 804.633.9212	CRCWT 8	TM 61 P 30	38 01'04"	77 09'50"
W R Turpin P.O. Box 10 Newton, Virginia 23126 804.769.3897	CRCWT 9 - 11	TM 48 P 41 TM 9 P 16A Essex Co	38 02'46"	77 08'35"
Clarence W Tignor 31194 Sparta Road Milford, Virginia 22514 804.633.6630	CRCWT 14-15	TM 61 P 26	38 01'27"	77 09'15"
Clarence W Tignor JR 31325 Sparta Road Milford, Virginia 22514 804.633.6630	CRCWT 16	TM 48 P 19	38 03'07"	77 09'25"

Recyc Systems, Inc
Clarence W Tignor Site
Caroline County

Owner	Operator	FSA Tract No	Recyc Field No	Acres	Date of Last Application
Clarence W Tignor	Clarence W Tignor	T 3241 F 1	CRCWT 1	14.9	11/05
		T 2644 F 2	CRCWT 2	4.8	11/05
		T 2644 F 1	CRCWT 3	27.6	12/08
		T 2646 F 1,, T 3259 F 1	CRCWT 4	25	11/05
		T 3257 F 1 2 3	CRCWT 5	29.1	11/05
Paul D Pitts		T 3258 F 1	CRCWT 8	32.5	11/06
W R Turpin		T 3215 F 1 2 3	CRCWT 9	44.7	12/06
		T 3215 F 4	CRCWT 10	42	12/06
		T 3215 F 9 14 16	CRCWT 11	46.9	11/06
Clarence W Tignor		T 3330 F 1	CRCWT 14	11	12/06
		T 3330 F 1	CRCWT 15	31.1	12/06
Clarence W Tignor, Jr		T 1581 F 1	CRCWT 16	12.9	12/06

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			
CRCWT 1	14.9	---	---	---	---	YO 52	TM 77 P 29 31	T 3241
CRCWT 2	4.8	---	---	---	---	YO 52	TM 77 P 31	T 2644
CRCWT 3	27.6	---	---	---	---	YO 52	TM 77 P 27	T 2644
CRCWT 4	25.0	---	---	---	---	YO 52	TM 77 P 9, 10, 11	T 2646 T 3259
CRCWT 5	29.1	---	---	---	---	YO 52	TM 77 P 6	T 3257
CRCWT 8	32.5	---	---	---	---	YO 52	TM 61 P 30	T 3258
CRCWT 9	44.7	---	---	---	---	YO 55	TM 9 P 16A	T 3215
CRCWT 10	42.0	---	---	---	---	YO 52	TM 48 P 41	T 3215
CRCWT 11	46.9	---	---	---	---	YO 52	TM 48 P 41	T 3215
CRCWT 14	11.0	---	---	---	---	YO 52	TM 61 P 26	T 3330
CRCWT 15	31.1	---	---	---	---	YO 52	TM 61 P 26	T 3330
CRCWT 16	12.9	---	---	---	---	YO 52	TM 48 P 19	T 1531
TOTAL ACRES IN SITE	322.5							

Report Number:
R08305-0041
Account Number:
70594

A&L EASTERN LABORATORIES, INC.

7621 Whitepine Road • Richmond, Virginia 23237-2214
Phone (804) 743-9401 • Fax (804) 271-6446
Website: www.al-labs-eastern.com • E-mail: office@al-labs-eastern.com

Send To: RECYC SYSTEMS INC
POB 562
REMINGTON, VA 22734

Grower: CLARENCE TIGNOR/CWT
KING&QUEEN CO.

Submitted By: SONNY DEAL

Farm I D:

Field I D:

SOIL ANALYSIS REPORT

Page: 1 **Date Received:** 10/31/2008 **Date of Analysis:** 11/1/2008 **Date of Report:** 11/4/2008

Analytical Method(s):
Mehlich III

Sample Number	Lab Number	Organic Matter %	Organic Matter ENR lbs/A	Organic Matter Rate	Phosphorus Available ppm	Phosphorus Available Rate	Phosphorus Reserve ppm	Phosphorus Reserve Rate	Potassium K ppm	Potassium Rate	Magnesium MG ppm	Magnesium Rate	Calcium CA ppm	Calcium Rate	Sodium NA ppm	Sodium Rate	pH Soil pH	pH Buffer Index	Acidity H meq/100g	C.E.C. meq/100g
1	8201	2.9	100	M	92	H			176	H	70	M	890	H			6.8	6.9	0.2	5.6
2	8202	2.8	99	M	115	VH			91	M	25	VL	860	VH			6.8	6.9	0.1	4.9
3	8203	2.3	90	L	83	H			216	VH	35	L	550	M			6.2	6.9	0.5	4.1
4	8204	2.3	90	L	92	H			152	H	45	L	580	H			6.5	6.9	0.3	4.0
5	8205	2.1	86	L	78	H			159	H	35	L	630	H			6.9	6.9	0.1	3.9

Sample Number	Percent Base Saturation K %	Mg %	Ca %	Na %	H %	Nitrate NO3-N ppm	Nitrate Rate	Sulfur SO4-S ppm	Sulfur Rate	Zinc ZN ppm	Zinc Rate	Manganese MN ppm	Manganese Rate	Iron FE ppm	Iron Rate	Copper CU ppm	Copper Rate	Boron B ppm	Boron Rate	Soluble Salts ms/cm	Soluble Salts Rate	Chloride CL ppm	Chloride Rate	Aluminum AL ppm	Aluminum Rate
1	8.0	10.3	78.8		2.9																				
2	4.8	4.3	88.0		2.9																				
3	13.5	7.1	67.2		12.1																				
4	9.8	9.5	73.3		7.4																				
5	10.4	7.5	80.7		1.4																				

ALE-Soil

Values on this report represent the plant available nutrients in the soil.
Rating after each value: VL (Very Low), L (Low), M (Medium), H (High), VH (Very High).
ENR - Estimated Nitrogen Release. C.E.C. - Cation Exchange Capacity.

Explanation of symbols: % (percent), ppm (parts per million), lbs/A (pounds per acre), ms/cm (milli-mhos per centimeter), meq/100g (milli-equivalent per 100 grams).
Conversions: ppm x 2 = lbs/A, Soluble Salts ms/cm x 640 = ppm.

This report applies to the sample(s) tested. Samples are retained a maximum of thirty days after testing. Soil Analysis prepared by:
A & L EASTERN LABORATORIES, INC.

by: Paul Chu

Paul Chu, Ph.D.

Report Number:
R06312-0102
Account Number:
70594

A&L Eastern Laboratories, Inc.

7621 Whitepine Road Richmond, Virginia 23237 (804) 743-9401
Fax No. (804) 271-6446 Email: office@al-labs-eastern.com

Send To: RECYC SYSTEMS INC
POB 562
REMINGTON, VA 22734

Grower: CLARENCE TIGNOR
CAROLINE CO

Submitted By: SONNY DEAL

Farm I D:

Field I D: CRCWT

SOIL ANALYSIS REPORT

Page: 1 **Date Received:** 11/8/2006 **Date of Analysis:** 11/9/2006 **Date of Report:** 11/10/2006

Analytical Method(s): Mehlich III

Sample Number	Lab Number	Organic Matter %	Organic Matter ENR lbs/A	Organic Matter Rate	Phosphorus Available ppm	Phosphorus Available Rate	Phosphorus Reserve ppm	Phosphorus Reserve Rate	Potassium K ppm	Potassium K Rate	Magnesium MG ppm	Magnesium MG Rate	Calcium CA ppm	Calcium CA Rate	Sodium NA ppm	Sodium NA Rate	pH Soil pH	pH Buffer Index	Acidity H meq/100g	C.E.C. meq/100g
8	15285	2.1	87	L	69	H			113	H	40	L	540	H			6.4	6.9	0.3	3.6
9	15286	2.2	88	L	48	M			119	H	45	L	590	M			6.0	6.9	0.7	4.3
10	15287	2.0	86	L	38	M			96	H	45	M	400	M			6.0	6.9	0.5	3.1
11	15288	2.1	88	L	57	H			87	M	35	M	370	M			6.0	6.9	0.4	2.8
12	15289	2.1	83	L	41	M			162	H	125	H	850	H			6.6	6.9	0.4	6.1

Sample Number	Percent Base Saturation K %	Mg %	Ca %	Na %	H %	Nitrate NO3-N ppm	Nitrate Rate	Sulfur SO4-S ppm	Sulfur Rate	Zinc ZN ppm	Zinc Rate	Manganese MN ppm	Manganese Rate	Iron FE ppm	Iron Rate	Copper CU ppm	Copper Rate	Boron B ppm	Boron Rate	Soluble Salts ms/cm	Soluble Salts Rate	Chloride CL ppm	Chloride Rate	Aluminum AL ppm	Aluminum Rate
8	7.9	9.1	74.0		8.9																				
9	7.1	8.7	68.8		15.4																				
10	7.9	12.1	64.6		15.4																				
11	8.0	10.4	66.2		15.4																				
12	6.8	17.2	70.1		5.9																				

Values on this report represent the plant available nutrients in the soil.
Rating after each value: VL (Very Low), L (Low), M (Medium), H (High), VH (Very High).
ENR - Estimated Nitrogen Release. C.E.C. - Cation Exchange Capacity.

Explanation of symbols: % (percent), ppm (parts per million), lbs/A (pounds per acre), ms/cm (milli-mhos per centimeter), meq/100g (milli-equivalent per 100 grams).
Conversions: ppm x 2 = lbs/A, Soluble Salts ms/cm x 640 = ppm.

This report applies to the sample(s) tested. Samples are retained a maximum of thirty days after testing. Soil Analysis prepared by:
A & L EASTERN LABORATORIES, INC.

by:
Paul Chu, Ph.D.

Report Number:
R06304-0098
Account Number:
70594

A&L Eastern Laboratories, Inc.

7621 Whitepine Road Richmond, Virginia 23237 (804) 743-9401
Fax No. (804) 271-6446 Email: office@al-labs-eastern.com

Send To: RECYC SYSTEMS INC
POB 562
REMINGTON, VA 22734

Grower: CLARENCE TIGNOR
CAROLINE CO

Submitted By: SONNY DEAL

Farm I D: **Field I D:**

SOIL ANALYSIS REPORT

Page: 1 **Date Received:** 10/31/2006 **Date of Analysis:** 11/1/2006 **Date of Report:** 11/2/2006

Analytical Method(s):
Mehlich III

Sample Number	Lab Number	Organic Matter %	ENR lbs/A	ENR Rate	Phosphorus Available ppm	Phosphorus Available Rate	Phosphorus Reserve ppm	Phosphorus Reserve Rate	Potassium K ppm	Potassium K Rate	Magnesium MG ppm	Magnesium MG Rate	Calcium CA ppm	Calcium CA Rate	Sodium NA ppm	Sodium NA Rate	pH Soil pH	pH Buffer Index	Acidity H meq/100g	C.E.C. meq/100g
CRCWT14	11178	4.2	125	M	73	H			71	L	70	L	920	H			6.0	6.8	1.0	6.3
CRCWT15	11179	2.9	102	M	71	H			63	L	55	M	650	H			6.3	6.9	0.5	4.3

Sample Number	Percent Base Saturation K %	Mg %	Ca %	Na %	H %	Nitrate NO3-N ppm	Nitrate Rate	Sulfur SO4-S ppm	Sulfur Rate	Zinc ZN ppm	Zinc Rate	Manganese MN ppm	Manganese Rate	Iron FE ppm	Iron Rate	Copper CU ppm	Copper Rate	Boron B ppm	Boron Rate	Soluble Salts ms/cm	Soluble Salts Rate	Chloride CL ppm	Chloride Rate	Aluminum AL ppm	Aluminum Rate
CRCWT14	2.9	9.2	72.5		15.4																				
CRCWT15	3.7	10.6	75.1		10.6																				

Values on this report represent the plant available nutrients in the soil.
Rating after each value: VL (Very Low), L (Low), M (Medium), H (High), VH (Very High).
ENR - Estimated Nitrogen Release. C.E.C. - Cation Exchange Capacity.

Explanation of symbols: % (percent), ppm (parts per million), lbs/A (pounds per acre), ms/cm (milli-mhos per centimeter), meq/100g (milli-equivalent per 100 grams).
Conversions: ppm x 2 = lbs/A, Soluble Salts ms/cm x 640 = ppm.

This report applies to the sample(s) tested. Samples are retained a maximum of thirty days after testing. Soil Analysis prepared by:
A & L EASTERN LABORATORIES, INC.
by:
Paul Chu, Ph.D.

Report Number:
R06319-0015
Account Number:
70594

A&L Eastern Laboratories, Inc.

7621 Whitepine Road Richmond, Virginia 23237 (804) 743-9401
Fax No. (804) 271-6446 Email: office@al-labs-eastern.com

Send To: RECYC SYSTEMS INC
POB 562
REMINGTON, VA 22734

Grower: CLARENCE TIGNOR
CAROLINE CO
CRCWT

Submitted By: SONNY DEAL

Farm I D: **Field I D:**

SOIL ANALYSIS REPORT

Page: 1 **Date Received:** 11/15/2006 **Date of Analysis:** 11/16/2006 **Date of Report:** 11/17/2006

Analytical Method(s):
Mehlich III

Sample Number	Lab Number	Organic Matter %	ENR lbs/A	ENR Rate	Phosphorus Available ppm	Phosphorus Available Rate	Phosphorus Reserve ppm	Phosphorus Reserve Rate	Potassium K ppm	Potassium K Rate	Magnesium MG ppm	Magnesium MG Rate	Calcium CA ppm	Calcium CA Rate	Sodium NA ppm	Sodium NA Rate	pH Soil pH	pH Buffer Index	Acidity H meq/100g	C.E.C. meq/100g
~~8A~~	~~18584~~	~~1.9~~	~~84~~	~~L~~	~~52~~	~~H~~			~~115~~	~~H~~	~~40~~	~~M~~	~~380~~	~~M~~			~~5.9~~	~~6.9~~	~~0.5~~	~~3.1~~
16	18585	2.1	85	L	31	M			133	H	105	H	580	M			5.9	6.8	0.9	5.0

Sample Number	Percent Base Saturation K %	Mg %	Ca %	Na %	H %	Nitrate NO3-N ppm	Nitrate Rate	Sulfur SO4-S ppm	Sulfur Rate	Zinc ZN ppm	Zinc Rate	Manganese MN ppm	Manganese Rate	Iron FE ppm	Iron Rate	Copper CU ppm	Copper Rate	Boron B ppm	Boron Rate	Soluble Salts ms/cm	Soluble Salts Rate	Chloride CL ppm	Chloride Rate	Aluminum AL ppm	Aluminum Rate
8A	9.7	10.9	62.3		17.2																				
16	6.9	17.6	58.4		17.2																				

Values on this report represent the plant available nutrients in the soil.
Rating after each value: VL (Very Low), L (Low), M (Medium), H (High), VH (Very High).
ENR - Estimated Nitrogen Release. C.E.C. - Cation Exchange Capacity.

Explanation of symbols: % (percent), ppm (parts per million), lbs/A (pounds per acre), ms/cm (milli-mhos per centimeter), meq/100g (milli-equivalent per 100 grams).
Conversions: ppm x 2 = lbs/A, Soluble Salts ms/cm x 640 = ppm.

This report applies to the sample(s) tested. Samples are retained a maximum of thirty days after testing. Soil Analysis prepared by:
A & L EASTERN LABORATORIES, INC.
by:
Paul Chu, Ph.D.

THE PLANNER IS NOT STATE CERTIFIED

Clarence W Tignor Narrative

This is a partial plan written for the purpose of submitting data to obtain a biosolids use permit.

Prior to application of biosolids a complete plan will be written as required by regulations.

THE PLANNER IS NOT STATE CERTIFIED

Nutrient Management Plan Balance Sheet
(Fall, 2008-Winter, 2010)
Clarence W Tignor
Planner: Recyc Systems, Inc

Tract: 1531 Location: Caroline
(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/cwt 16(N)	13/13	2008	Fallow	0-0-0	0/0				0-0-0	N/A			
		2009	Soybeans (FS)	0-60-40	0/0				0-60-40	N/A			
			Fallow	0-0-0	0/0				0-60-40	N/A			
		2010	Soybeans (FS)	0-60-40	0/0				0-120-80	N/A			

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

Notes:

Tract: 2644 Location: Caroline
(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/cwt 02(N)	0/0	2008	Fallow	0-0-0	0/0				0-0-0	N/A		
		2009	Soybeans (FS)	0-20-60	0/0				0-20-60	N/A		
			Fallow	0-0-0	0/0				0-20-60	N/A		
		2010	Soybeans (FS)	0-20-60	0/0				0-40-120	N/A		
1 /cwt 03(N)	25/25	2008	Fallow	0-0-0	0/0				0-0-0	N/A		
		2009	Soybeans (FS)	0-30-20	0/0	13.1t Blue P(Sp)	>2	110-283-21	(110)-(255)-0	N/A		1
			Wheat (grain)	100-30-20	15/34				50-(225)-20	N/A	30-0-0(br)	
											20-0-0(td)	2
		2010	... ...	-- -- --								
			Soybeans (DC)	0-30-20	0/0				0-(195)-40	N/A	50-0-100(br)	
1/cwt 04(N)	25/25	2008	Fallow	0-0-0	0/0				0-0-0	N/A		
		2009	Soybeans (FS)	0-30-30	0/0				0-30-30	N/A		
			Fallow	0-0-0	0/0				0-30-30	N/A		
		2010	Soybeans (FS)	0-30-30	0/0				0-60-60	N/A		
1 2 3/cwt 05(N)	29/29	2008	Fallow	0-0-0	0/0				0-0-0	N/A		
		2009	Soybeans (FS)	0-30-30	0/0				0-30-30	N/A		
			Fallow	0-0-0	0/0				0-30-30	N/A		
		2010	Soybeans (FS)	0-30-30	0/0				0-60-60	N/A		

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

Notes:
1 Biosolids application for spring crop on fallow field.
2 Topdress during early Spring

Tract: 3215 Location: Caroline

(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 3/cwt 09(N)	45/45	2008	Fallow	0-0-0	0/0				0-0-0	N/A			
		2009	Soybeans (FS)	0-40-40	0/0				0-40-40	N/A			
			Fallow	0-0-0	0/0				0-40-40	N/A			
		2010	Soybeans (FS)	0-40-40	0/0				0-80-80	N/A			
4/cwt 10(N)	42/42	2008	Fallow	0-0-0	0/0				0-0-0	N/A			
		2009	Soybeans (FS)	0-60-60	0/0				0-60-60	N/A			
			Fallow	0-0-0	0/0				0-60-60	N/A			
		2010	Soybeans (FS)	0-60-60	0/0				0-120-120	N/A			
9 14 16/cwt 11(N)	47/47	2008	Fallow	0-0-0	0/0				0-0-0	N/A			
		2009	Soybeans (FS)	0-40-60	0/0				0-40-60	N/A			
			Fallow	0-0-0	0/0				0-40-60	N/A			
		2010	Soybeans (FS)	0-40-60	0/0				0-80-120	N/A			

Commercial Application Methods:

br - Broadcast ba - Banded sd - Sidedress

Notes:

Tract: 3241 Location: Caroline

(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/cwt 01(N)	15/15	2008	Fallow	0-0-0	0/0				0-0-0	N/A			
		2009	Soybeans (FS)	0-30-30	0/0				0-30-30	N/A			
			Fallow	0-0-0	0/0				0-30-30	N/A			
		2010	Soybeans (FS)	0-30-30	0/0				0-60-60	N/A			

Commercial Application Methods:

br - Broadcast ba - Banded sd - Sidedress

Notes:

Tract: 3258 Location: Caroline

(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/cwt 08(N)	33/33	2008	Fallow	0-0-0	0/0				0-0-0	N/A			
		2009	Soybeans (FS)	0-30-40	0/0				0-30-40	N/A			
			Fallow	0-0-0	0/0				0-30-40	N/A			
		2010	Soybeans (FS)	0-30-40	0/0				0-60-80	N/A			

Commercial Application Methods:

br - Broadcast ba - Banded sd - Sidedress

Notes:

Tract: 3330 Location: Caroline
(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/cwt 14(N)	11/11	2008	Fallow	0-0-0	0/0				0-0-0	N/A			
		2009	Soybeans (FS)	0-30-60	0/0				0-30-60	N/A			
			Fallow	0-0-0	0/0				0-30-60	N/A			
		2010	Soybeans (FS)	0-30-60	0/0				0-60-120	N/A			
1/cwt 15(N)	31/31	2008	Fallow	0-0-0	0/0				0-0-0	N/A			
		2009	Soybeans (FS)	0-30-80	0/0				0-30-80	N/A			
			Fallow	0-0-0	0/0				0-30-80	N/A			
		2010	Soybeans (FS)	0-30-80	0/0				0-60-160	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
1531	cwt 16	13	2006-Fa	M (31 P ppm)	H- (133 K ppm)	A&L MIII	5.9		
2644	cwt 02	0	2008-Fa	H+ (115 P ppm)	M (91 K ppm)	A&L MIII	6.8		
2644	cwt 03	25	2008-Fa	H (83 P ppm)	H+ (216 K ppm)	A&L MIII	6.2	2009Sp	0.82
2644	cwt 04	25	2008-Fa	H (92 P ppm)	H (152 K ppm)	A&L MIII	6.5		
2644	cwt 05	29	2008-Fa	H (78 P ppm)	H (159 K ppm)	A&L MIII	6.9		
3215	cwt 09	45	2006-Fa	H- (48 P ppm)	M+ (119 K ppm)	A&L MIII	6.		
3215	cwt 10	42	2006-Fa	M (38 P ppm)	M (96 K ppm)	A&L MIII	6.		
3215	cwt 11	47	2006-Fa	H- (57 P ppm)	M (87 K ppm)	A&L MIII	6.		
3241	cwt 01	15	2008-Fa	H (92 P ppm)	H (176 K ppm)	A&L MIII	6.8		
3258	cwt 08	33	2006-Fa	H (69 P ppm)	M+ (113 K ppm)	A&L MIII	6.4		
3330	cwt 14	11	2006-Fa	H (73 P ppm)	M (71 K ppm)	A&L MIII	6.		
3330	cwt 15	31	2006-Fa	H (71 P ppm)	M- (63 K ppm)	A&L MIII	6.3		

Field Productivities for Major Crops

Tract Name	Tract/ Field	Field Name	Acres	Predominant Soil Series	Corn	Small Grain	Alfalfa	Grass Hay	Environmental Warnings
1531	1531/1	cwt 16	13	Kempsville	IIIa	II	Not Suited	III	
2644	2644/2	cwt 02*	0	Kempsville	IIIb	II	Not Suited	II	High Leaching, High Slope
	2644/1	cwt 03	25	Kempsville	IIIa	II	III	II	
	2644/1	cwt 04*	25	Kempsville	IIIa	II	Not Suited	III	High Leaching, High Slope
	2644/1 2 3	cwt 05	29	Kempsville	IIIa	II	Not Suited	III	
3215	3215/1 2 3	cwt 09	45	Kempsville	IIIa	II	Not Suited	II	
	3215/4	cwt 10	42	Kempsville	IIIa	II	III	II	
	3215/9 14 16	cwt 11	47	Kempsville	IIIa	II	III	II	
3241	3241/1	cwt 01	15	Kempsville	IIIa	II	Not Suited	III	
3258	3258/1	cwt 08	33	Kempsville	IIIa	II	Not Suited	III	
3330	3330/1	cwt 14	11	Kempsville	IIIa	II	Not Suited	III	
	3330/1	cwt 15	31	Suffolk	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** **Fall, 2008 - Winter, 2010**

Farm Name: **Clarence W Tignor**
Location: Caroline
Specialist: Recyc Systems, Inc

Tract Name: **1531**
FSA Number: 1531
Location: Caroline

Field Name: **cwt 16**
Total Acres: 12.90 Usable Acres: 12.90
FSA Number: 1
Tract: 1531
Location: Caroline
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
Fa-2006	5.9	M(31 P ppm)	H-(133 K ppm)	A&L MIII

Soils:

PERCENT	SYMBOL	SOIL SERIES
100	11B	Emporia Kempsville

Field Warnings:

Crop Rotation:

PLANTED	YIELD	CROP NAME
2008-Fa	0.0	Fallow - No Till
2009-Sp	40.0 bushel(s)	Soybeans (FS) - No Till
2009-Fa	0.0	Fallow - No Till
2010-Sp	40.0 bushel(s)	Soybeans (FS) - No Till

Tract Name: **2644**
FSA Number: 2644
Location: Caroline

Field Name: **cwt 02**
Total Acres: 0.00 Usable Acres: 0.00
FSA Number: 2
Tract: 2644
Location: Caroline
Slope Class: E 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
Fa-2008	6.8	H+(115 P ppm)	M(91 K ppm)	A&L Mill

Soils:

PERCENT	SYMBOL	SOIL SERIES
70	10E	Emporia Kempsville Remlik
10	11B	Emporia Kempsville
20	21C	Kempsville Slagle

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
2008-Fa	0.0	Fallow - No Till
2009-Sp	37.9 bushel(s)	Soybeans (FS) - No Till
2009-Fa	0.0	Fallow - No Till
2010-Sp	37.9 bushel(s)	Soybeans (FS) - No Till

Field Name: **cwt 03**
Total Acres: 25.00 Usable Acres: 25.00
FSA Number: 1
Tract: 2644
Location: Caroline
Slope Class: C Hydrologic Group: C

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

P-Index Summary
N-based
Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE	PH	P	K	Lab
Fa-2008	6.2	H(83 P ppm)	H+(216 K ppm)	A&L MIII

MOST RECENT LIME: Spring-2009 0.8 tons/acre

Soils:

PERCENT	SYMBOL	SOIL SERIES
45	11B	Emporia Kempsville
55	21C	Kempsville Slagle

Field Warnings:

Crop Rotation:

PLANTED	YIELD	CROP NAME
2008-Fa	0.0	Fallow - No Till
2009-Sp	38.7 bushel(s)	Soybeans (FS) - Tilled
2009-Fa	58.6 bushel(s)	Wheat (grain) - No Till
2010-Su	32.0 bushel(s)	Soybeans (DC) - No Till

Field Name: **cwt 04**
Total Acres: 25.00 Usable Acres: 25.00
FSA Number: 1
Tract: 2644
Location: Caroline
Slope Class: D 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
Fa-2008	6.5	H(92 P ppm)	H(152 K ppm)	A&L MIII

Soils:

PERCENT	SYMBOL	SOIL SERIES
40	10E	Emporia Kempsville Remlik
50	11B	Emporia Kempsville
10	21C	Kempsville Slagle

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
2008-Fa	0.0	Fallow - No Till
2009-Sp	38.8 bushel(s)	Soybeans (FS) - No Till
2009-Fa	0.0	Fallow - No Till
2010-Sp	38.8 bushel(s)	Soybeans (FS) - No Till

Field Name: **cwt 05**

Total Acres: 29.10 Usable Acres: 29.10
FSA Number: 1 2 3
Tract: 2644
Location: Caroline
Slope Class: C Hydrologic Group: B

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

P-Index Summary
N-based
Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE	PH	P	K	Lab
Fa-2008	6.9	H(78 P ppm)	H(159 K ppm)	A&L MIII

Soils:

PERCENT	SYMBOL	SOIL SERIES
10	10E	Emporia Kempsville Remlik
50	11B	Emporia Kempsville
30	11C	Emporia Kempsville
10	21C	Kempsville Slagle

Field Warnings:

Crop Rotation:

PLANTED	YIELD	CROP NAME
2008-Fa	0.0	Fallow - No Till

2009-Sp	39.7 bushel(s)	Soybeans (FS) - No Till
2009-Fa	0.0	Fallow - No Till
2010-Sp	39.7 bushel(s)	Soybeans (FS) - No Till

Tract Name: **3215**
FSA Number: 3215
Location: Caroline

Field Name: **cwt 09**
Total Acres: 44.70 Usable Acres: 44.70
FSA Number: 1 2 3
Tract: 3215
Location: Caroline
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
Fa-2006	6.0	H-(48 P ppm)	M+(119 K ppm)	A&L MIII

Soils:

PERCENT	SYMBOL	SOIL SERIES
70	11A	Emporia Kempsville
20	11B	Emporia Kempsville
10	21C	Kempsville Slagle

Field Warnings:

Crop Rotation:

PLANTED	YIELD	CROP NAME
2008-Fa	0.0	Fallow - No Till
2009-Sp	40.0 bushel(s)	Soybeans (FS) - No Till

2009-Fa	0.0	Fallow - No Till
2010-Sp	40.0 bushel(s)	Soybeans (FS) - No Till

Field Name: **cwt 10**
Total Acres: 42.00 Usable Acres: 42.00
FSA Number: 4
Tract: 3215
Location: Caroline
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
Fa-2006	6.0	M(38 P ppm)	M(96 K ppm)	A&L MIII

Soils:

PERCENT	SYMBOL	SOIL SERIES
20	22B	Slagle
15	11A	Emporia Kempsville
65	11B	Emporia Kempsville

Field Warnings:

Crop Rotation:

PLANTED	YIELD	CROP NAME
2008-Fa	0.0	Fallow - No Till
2009-Sp	40.0 bushel(s)	Soybeans (FS) - No Till
2009-Fa	0.0	Fallow - No Till
2010-Sp	40.0 bushel(s)	Soybeans (FS) - No Till

Field Name: **cwt 11**
Total Acres: 46.90 Usable Acres: 46.90

FSA Number: 9 14 16
Tract: 3215
Location: Caroline
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
Fa-2006	6.0	H-(57 P ppm)	M(87 K ppm)	A&L MIII

Soils:

PERCENT	SYMBOL	SOIL SERIES
55	11B	Emporia Kempsville
30	21C	Kempsville Slagle
15	22B	Slagle

Field Warnings:

Crop Rotation:

PLANTED	YIELD	CROP NAME
2008-Fa	0.0	Fallow - No Till
2009-Sp	40.0 bushel(s)	Soybeans (FS) - No Till
2009-Fa	0.0	Fallow - No Till
2010-Sp	40.0 bushel(s)	Soybeans (FS) - No Till

Tract Name: 3241
FSA Number: 3241
Location: Caroline

Field Name: cwt 01
Total Acres: 14.90 Usable Acres: 14.90
FSA Number: 1

Tract: 3241
Location: Caroline
Slope Class: C Hydrologic Group: B

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

P-Index Summary
N-based
Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE	PH	P	K	Lab
Fa-2008	6.8	H(92 P ppm)	H(176 K ppm)	A&L MIII

Soils:

PERCENT	SYMBOL	SOIL SERIES
10	10E	Emporia Kempsville Remlik
85	11B	Emporia Kempsville
5	21C	Kempsville Slagle

Field Warnings:

Crop Rotation:

PLANTED	YIELD	CROP NAME
2008-Fa	0.0	Fallow - No Till
2009-Sp	39.7 bushel(s)	Soybeans (FS) - No Till
2009-Fa	0.0	Fallow - No Till
2010-Sp	39.7 bushel(s)	Soybeans (FS) - No Till

Tract Name: 3257
FSA Number: 3257
Location: Caroline

Tract Name: 3258
FSA Number: 3258
Location: Caroline

Field Name: **cwt 08**
Total Acres: 32.50 Usable Acres: 32.50
FSA Number: 1
Tract: 3258
Location: Caroline
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
Fa-2006	6.4	H(69 P ppm)	M+(113 K ppm)	A&L MIII

Soils:

PERCENT	SYMBOL	SOIL SERIES
5	11A	Emporia Kempsville
95	11B	Emporia Kempsville

Field Warnings:

Crop Rotation:

PLANTED	YIELD	CROP NAME
2008-Fa	0.0	Fallow - No Till
2009-Sp	40.0 bushel(s)	Soybeans (FS) - No Till
2009-Fa	0.0	Fallow - No Till
2010-Sp	40.0 bushel(s)	Soybeans (FS) - No Till

Tract Name: **3330**
FSA Number: 3330
Location: Caroline

Field Name: **cwt 14**
Total Acres: 11.00 Usable Acres: 11.00

FSA Number: 1
Tract: 3330
Location: Caroline
Slope Class: C Hydrologic Group: B

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

P-Index Summary
N-based
Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE	PH	P	K	Lab
Fa-2006	6.0	H(73 P ppm)	M(71 K ppm)	A&L MIII

Soils:

PERCENT	SYMBOL	SOIL SERIES
5	10E	Emporia Kempsville Remlik
60	11B	Emporia Kempsville
35	11C	Emporia Kempsville

Field Warnings:

Crop Rotation:

PLANTED	YIELD	CROP NAME
2008-Fa	0.0	Fallow - No Till
2009-Sp	39.9 bushel(s)	Soybeans (FS) - No Till
2009-Fa	0.0	Fallow - No Till
2010-Sp	39.9 bushel(s)	Soybeans (FS) - No Till

Field Name: cwt 15
Total Acres: 31.10 Usable Acres: 31.10
FSA Number: 1
Tract: 3330
Location: Caroline
Slope Class: C Hydrologic Group: B

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

P-Index Summary
N-based
Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE	PH	P	K		Lab
Fa-2006	6.3	H(71 P ppm)	M-(63 K ppm)	A&L MIII	

Soils:

PERCENT	SYMBOL	SOIL SERIES
25	10E	Emporia Kempsville Remlik
10	11C	Emporia Kempsville
15	21C	Kempsville Slagle
50	24B	Suffolk

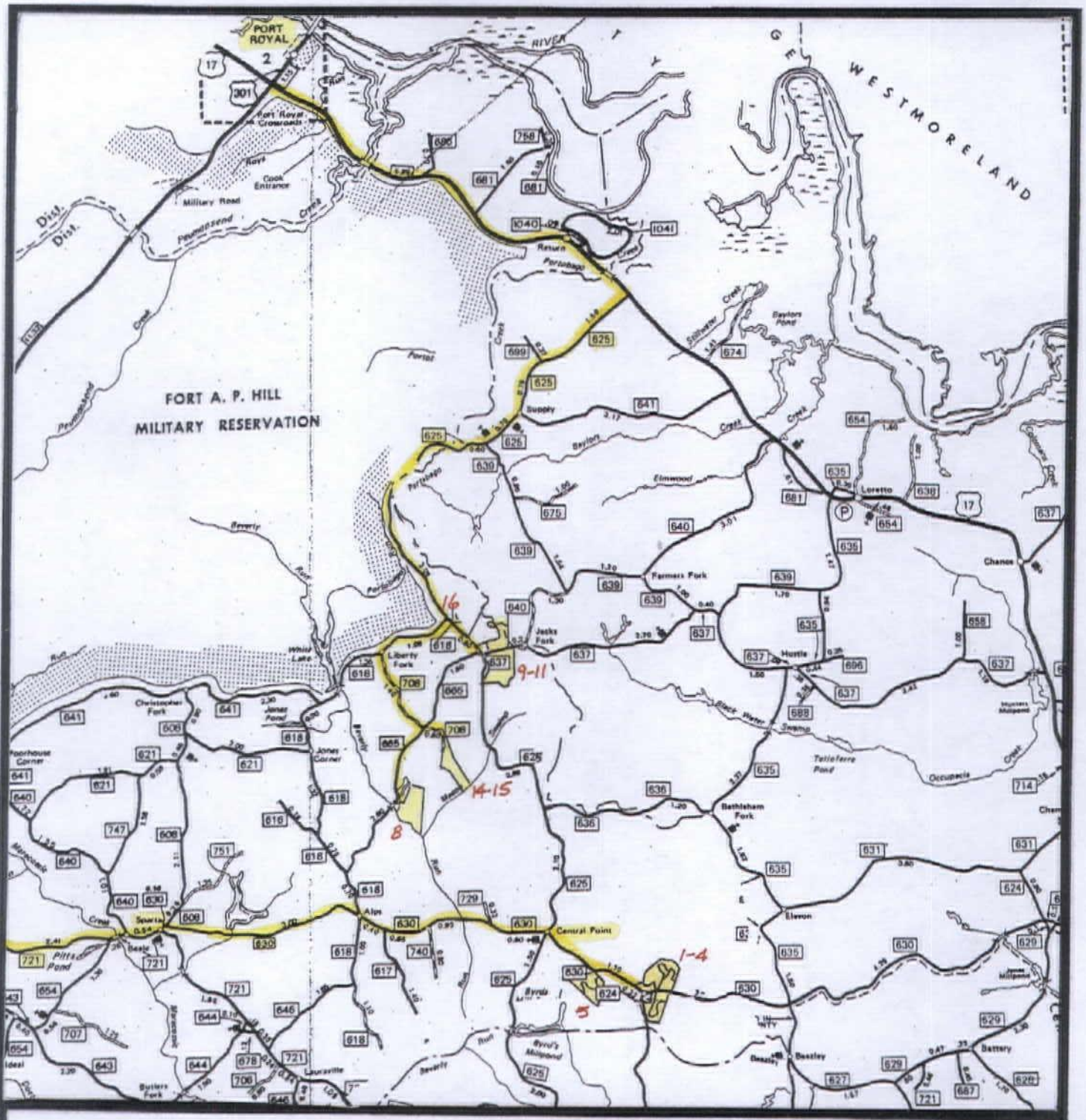
Field Warnings:

Crop Rotation:

PLANTED	YIELD	CROP NAME
2008-Fa	0.0	Fallow - No Till
2009-Sp	39.3 bushel(s)	Soybeans (FS) - No Till
2009-Fa	0.0	Fallow - No Till
2010-Sp	39.3 bushel(s)	Soybeans (FS) - No Till

MAPS

Recyc Systems™ Inc. (Biosolids Land Application)



Scale: 1"= 2 miles

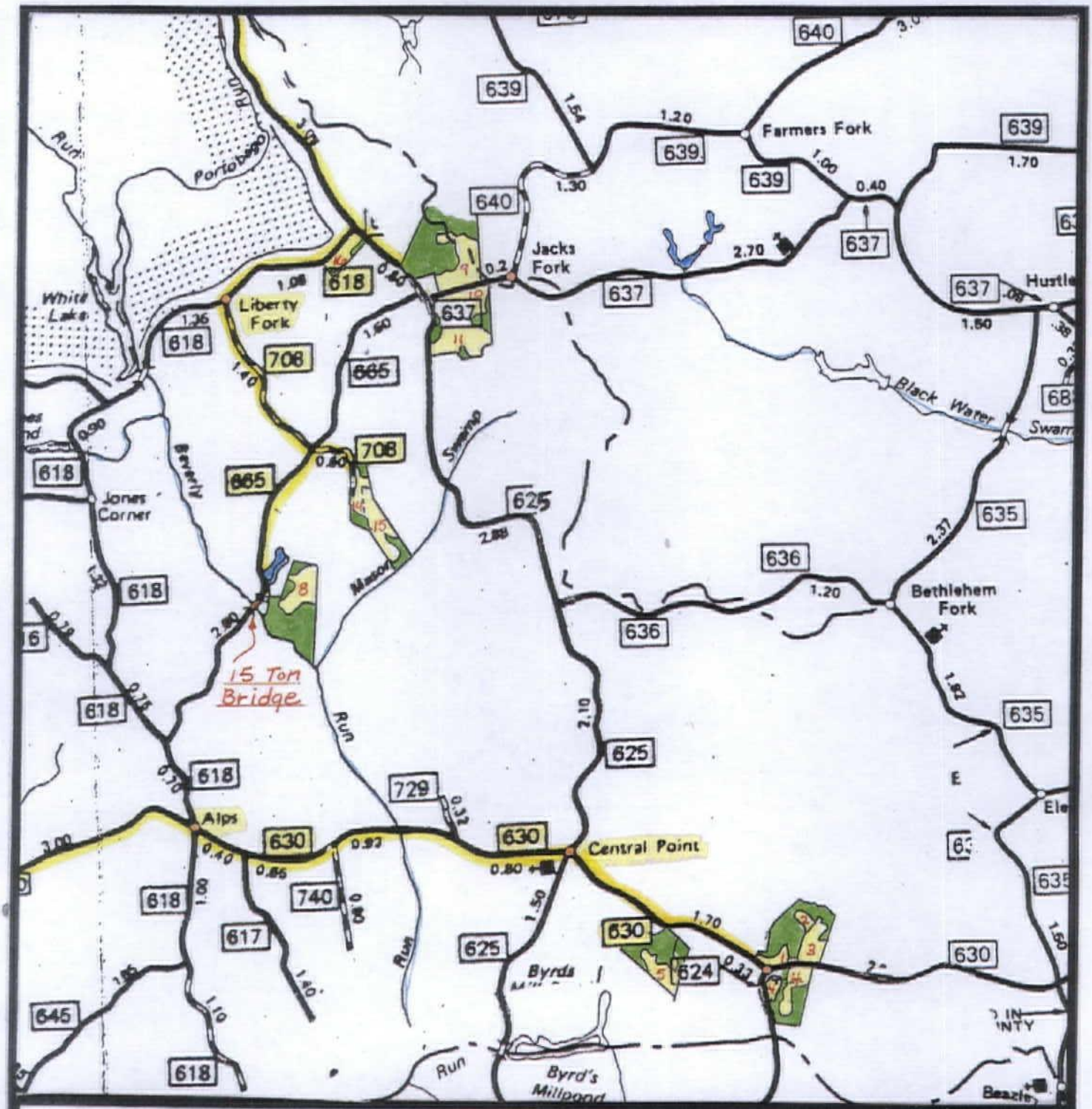
CRCWT 1-5,8-11,14
14-16

VICINITY MAP

N

Recyc Systems™ Inc.

(Biosolids Land Application)



Scale: 1"= 1 mile

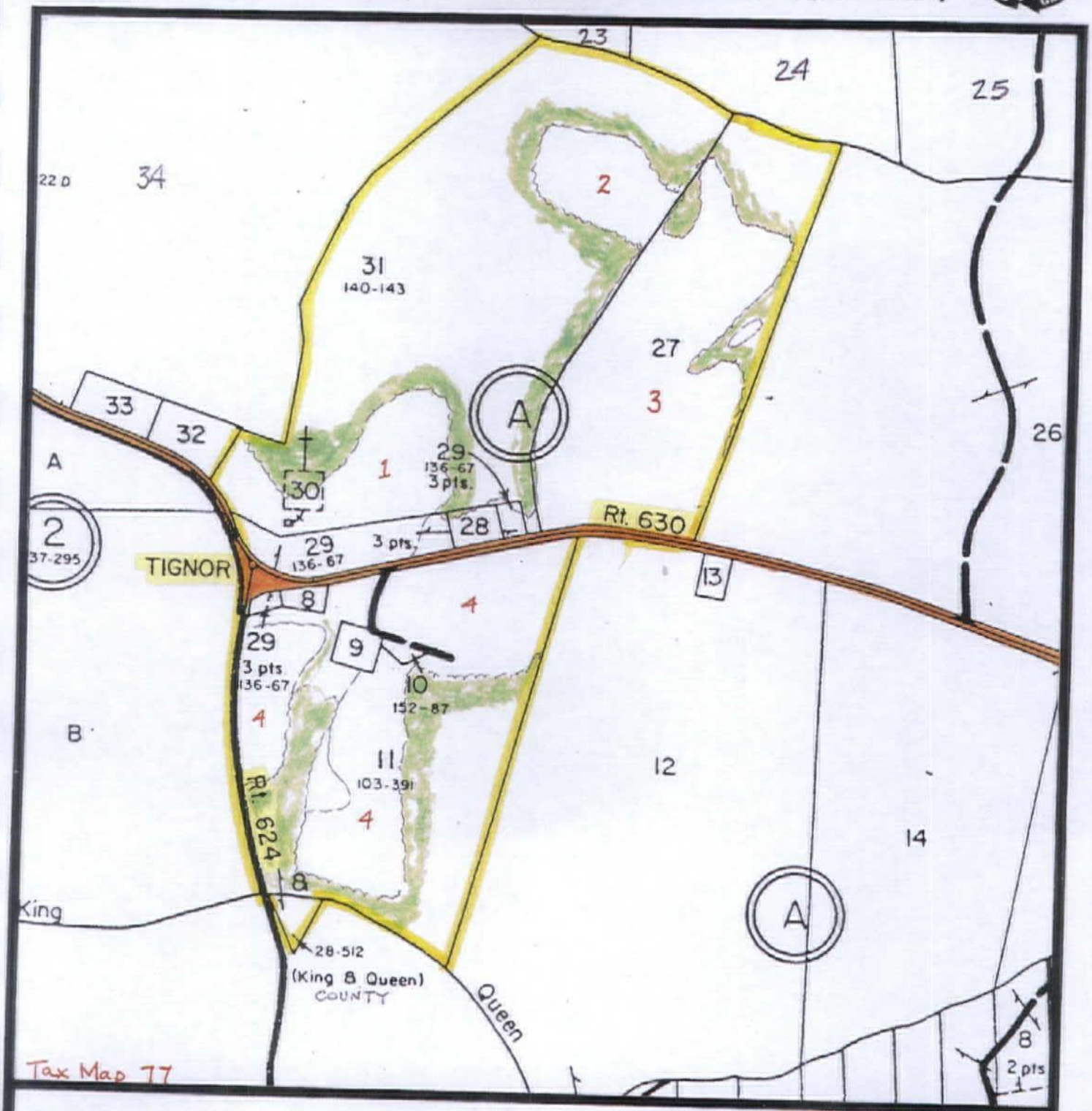
CRCWT 1-5,8-11
14-16

VICINITY MAP

N

Recyc Systems Inc.™

(Biosolids Land Application)



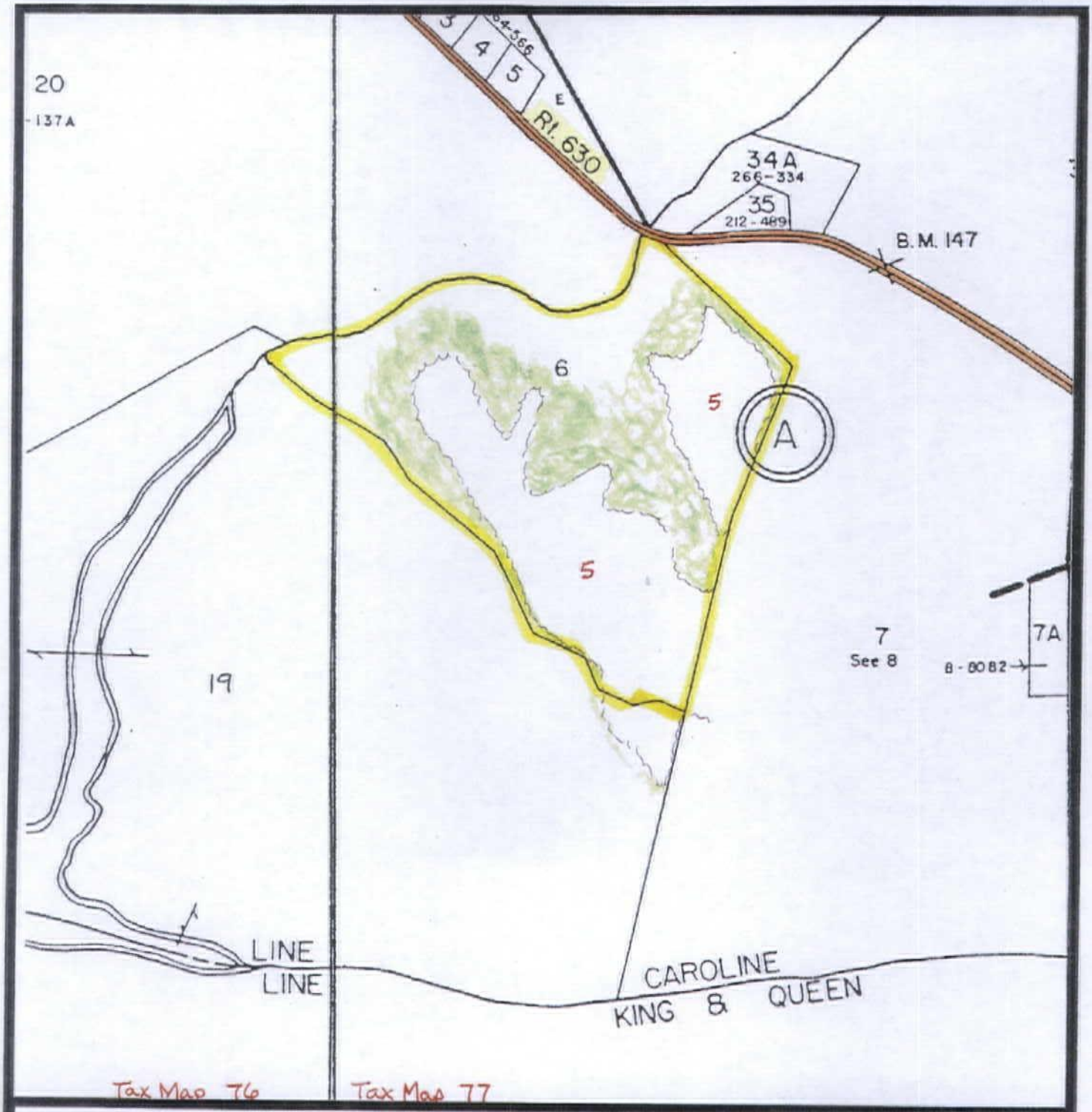
Scale: 1"= 660'

CRCWT 1-4

TAX MAP

N

Recyc Systems Inc.™ (Biosolids Land Application)



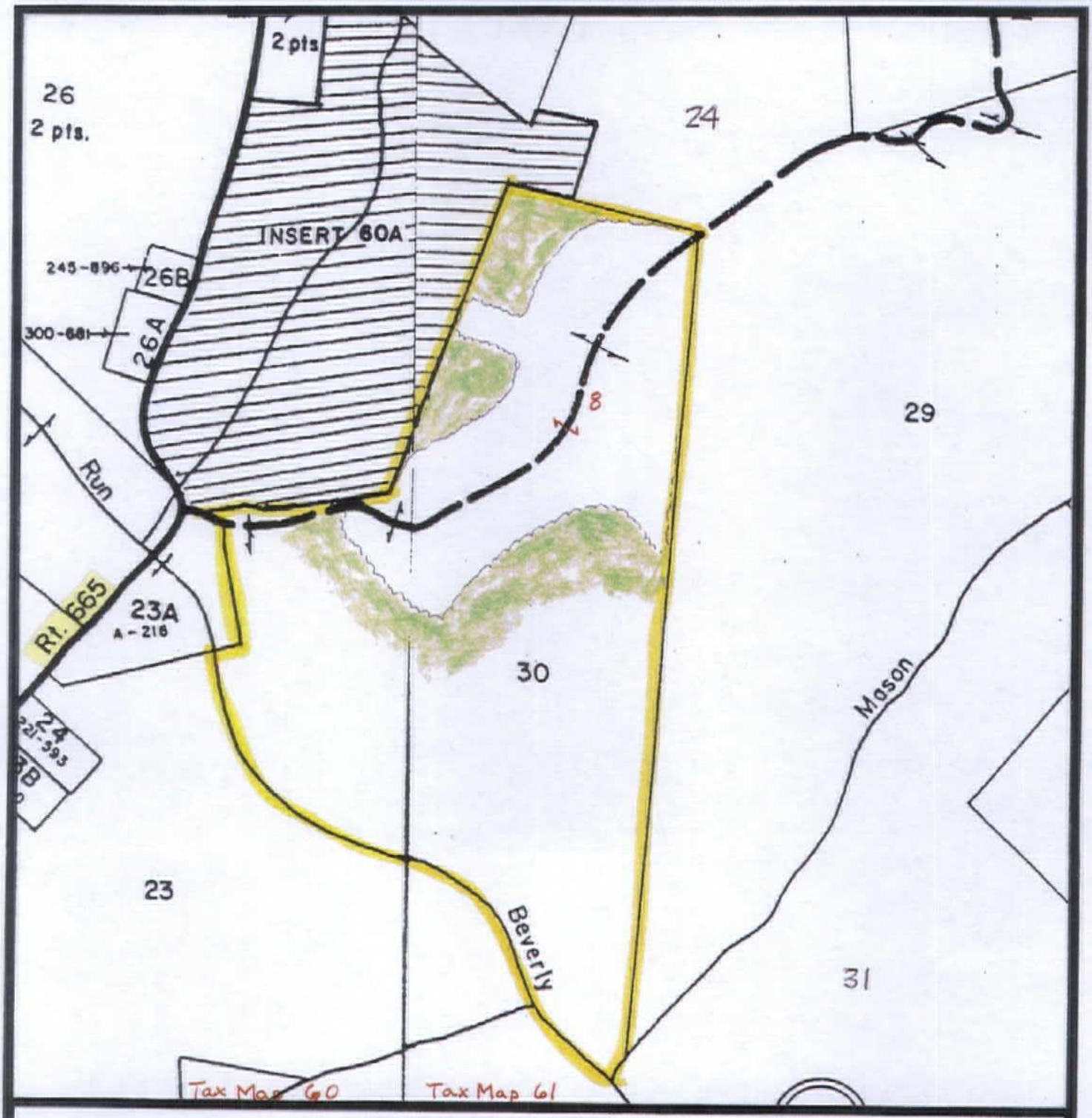
Scale: 1"= 660'

CRCWT 5

TAX MAP

N

Recyc Systems™ Inc. (Biosolids Land Application)



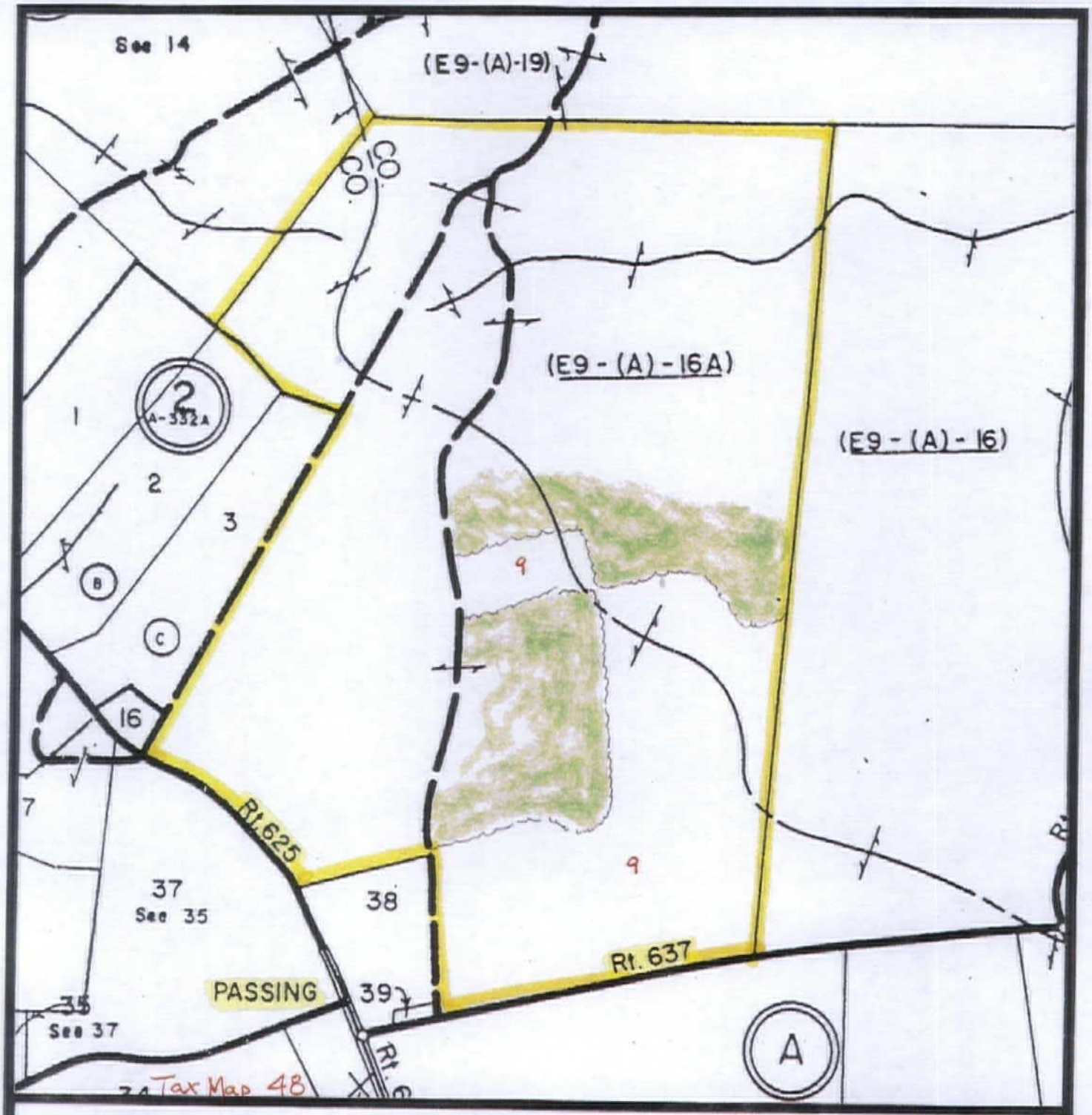
Scale: 1"= 660'

CRCWT 8

TAX MAP

N

Recyc Systems™ Inc. (Biosolids Land Application)



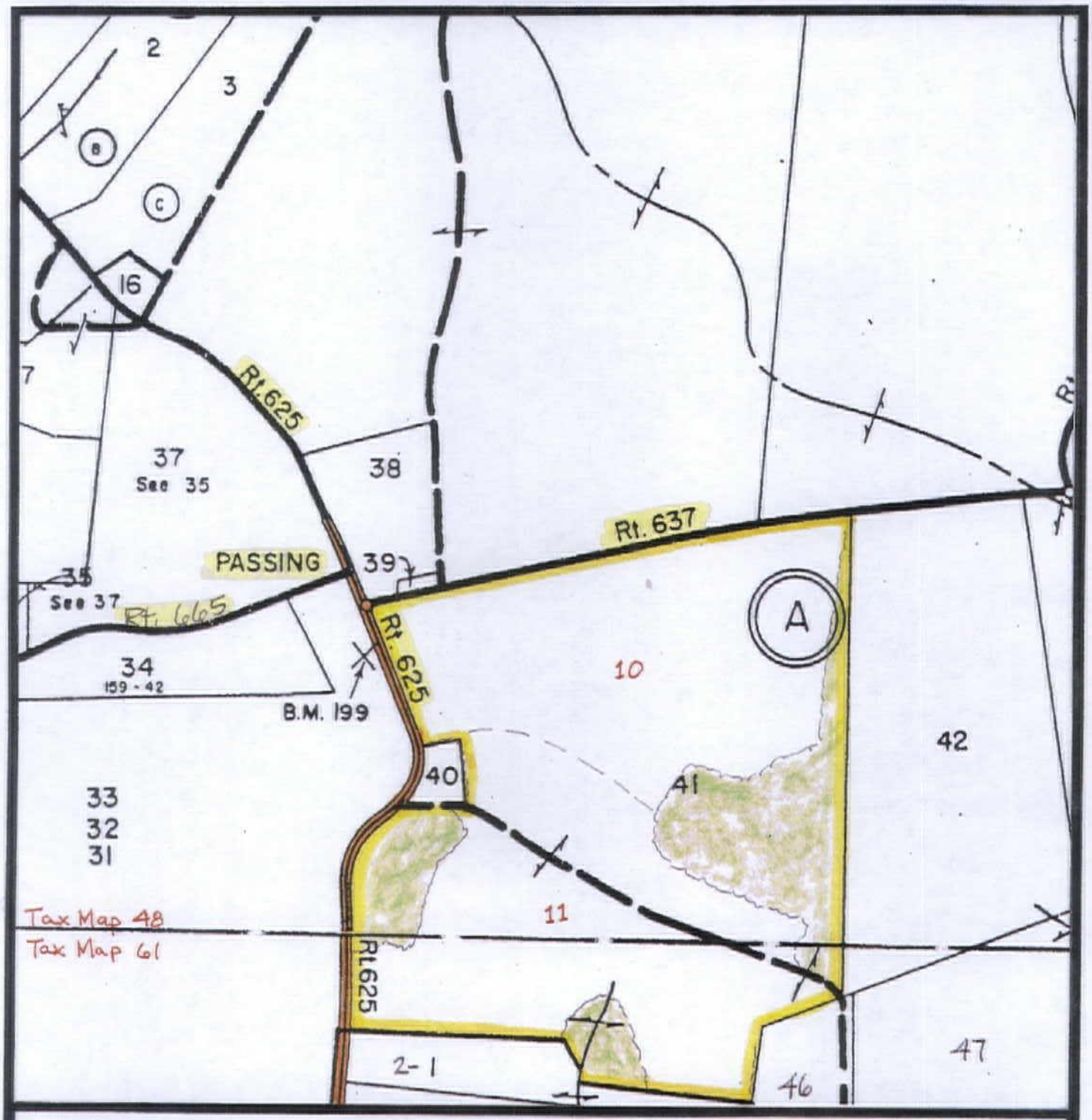
Scale: 1"= 660'

CRCWT 9

TAX MAP

N

Recyc Systems™ Inc. (Biosolids Land Application)



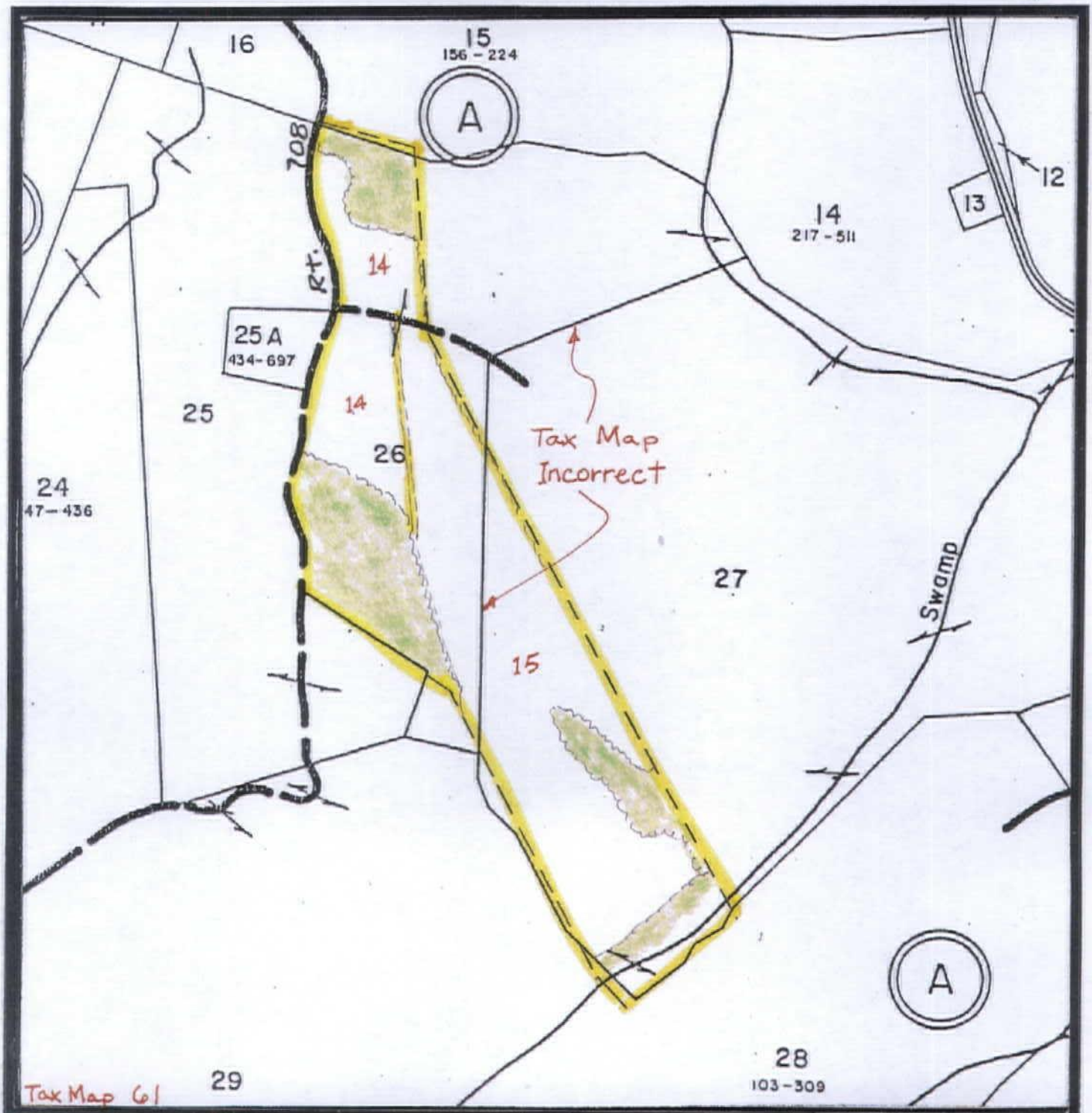
Scale: 1"= 660'

CRCWT 10,11

TAX MAP

N

Recyc Systems™ Inc. (Biosolids Land Application)



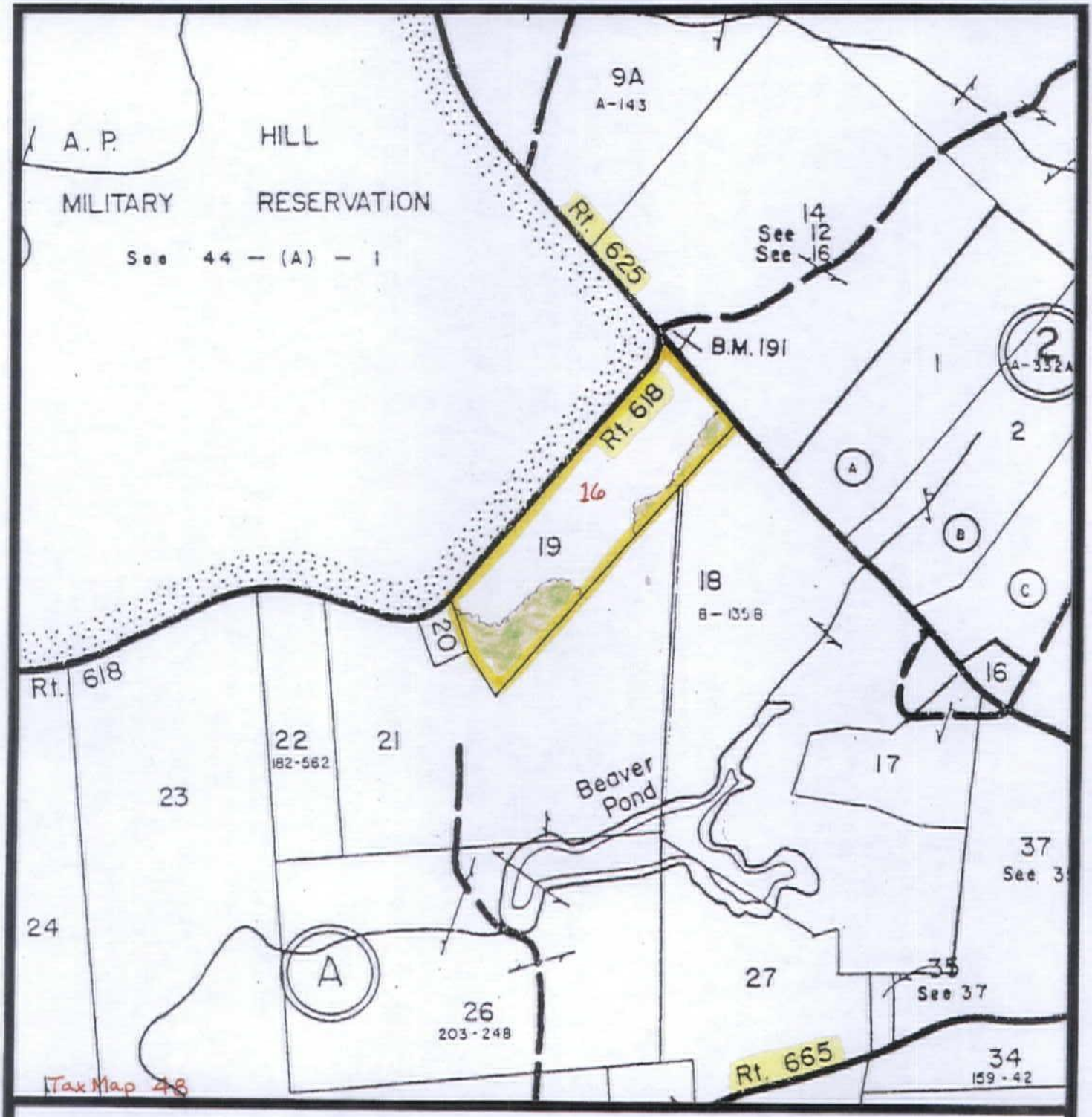
Scale: 1"= 660'

CRCWT 14,15

TAX MAP

N

Recyc Systems™ Inc. (Biosolids Land Application)



Scale: 1"= 660'

CRCWT 16

TAX MAP

N

ADJOINING LANDOWNERS

Clarence W Tignor

CAROLINE COUNTY

Tax Map	Parcel #	Owner Name(s)
44	A1	Fort A P Hill - US Government
48	14	Bobby G Tignor et als
	18	Lantec LLC
	19	Clarence W Tignor, Jr Farms Inc
	20	Aurelia Clifford et als
	21	Aurelia Clifford et als
	31	Martha G Markham et als trustees
	38	Ella M Tignor Life Estate
	39	Ella M Tignor Life Estate
	40	Anne Clarke Williams
	41	William R Turpin
	42	Stuart G Taylor
60	23	Edward A & Beulah Nelson
	23A	Edwared A Nelson, Sr
61	14	William M McCoy, Jr
	15	John Hancock Mutual Life Ins
	24	Betty Jean Beazley
	25	Henry & Mabel Dunbaar Life Est
	25A	Texana M Johnson
	26	Clarence W Tignor Et ux
	27	J W & Dolly Taylor
61	28	Gilman Land & Timber LLC
	29	Riveroak Timberland Investments, LP
	30	Paul David Pitts
	46	Shiela Chewing et als
	47	Leo N & Muriel L Fauteux

Recyc Systems™ Inc.

(Biosolids Land Application)

Scale: 1"= 500'

CRCWT 1,4

SOIL MAP

N

Recyc Systems™ Inc. (Biosolids Land Application)

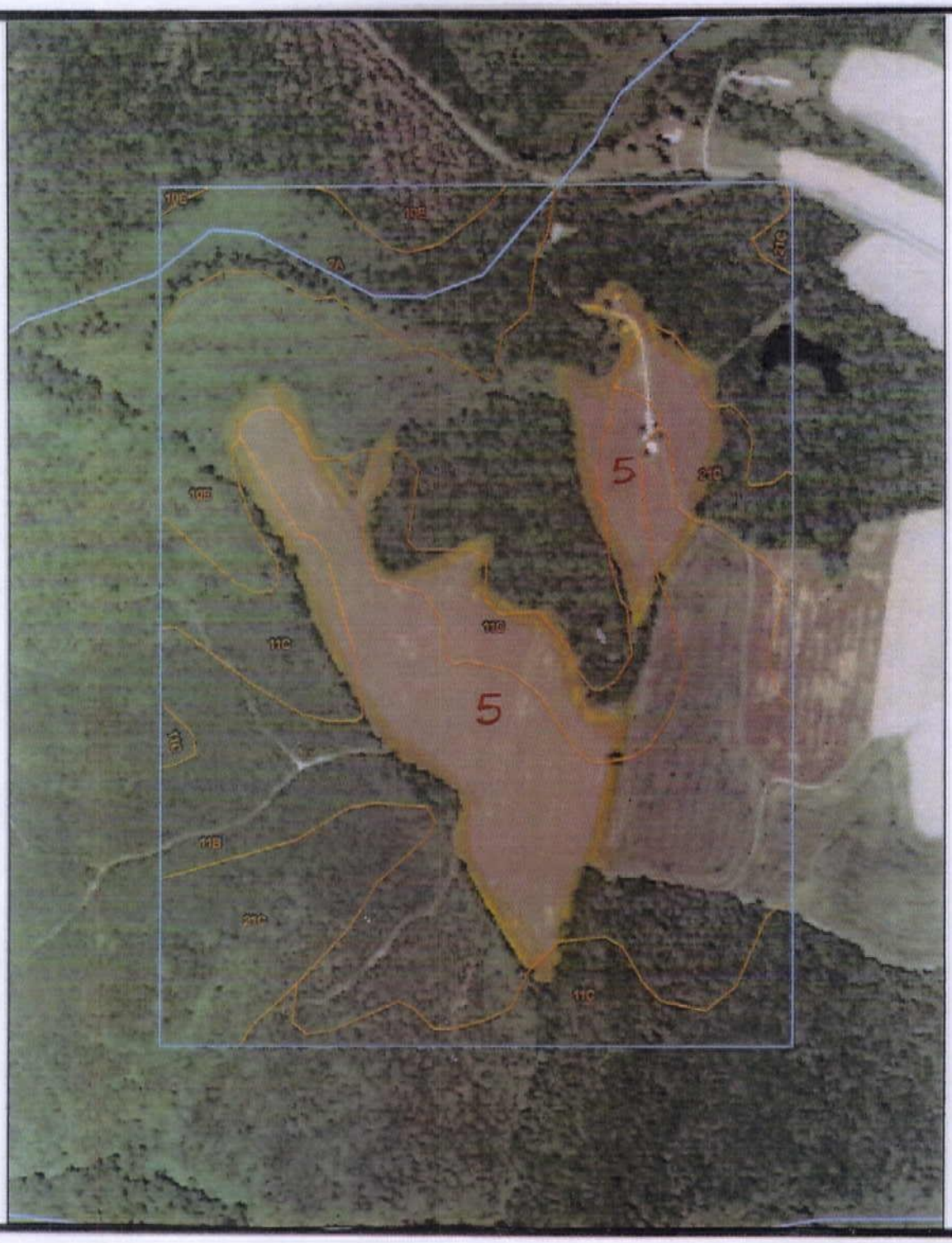
Scale: 1"= 500'

CRCWT 2,3

SOIL MAP

N

Recyc Systems™ Inc. (Biosolids Land Application)



Scale: 1"= 500'

CRCWT 5

SOIL MAP

N

Recyc Systems™ Inc. (Biosolids Land Application)

Scale: 1"= 500'

CRCWT 8

SOIL MAP

N

Recyc Systems™ Inc. (Biosolids Land Application)

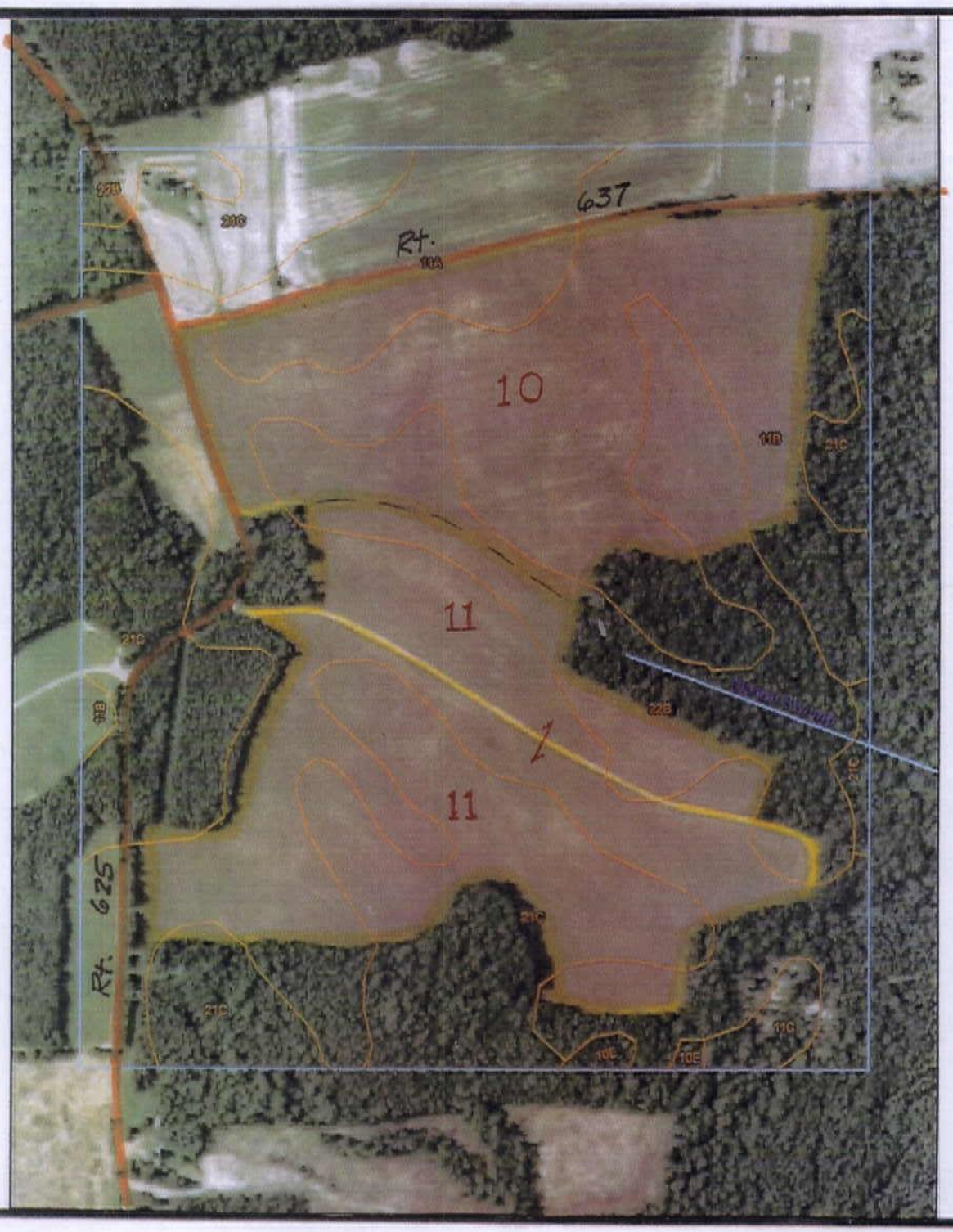
Scale: 1"= 500'

CRCWT 9

SOIL MAP

N

Recyc Systems™ Inc. (Biosolids Land Application)



Scale: 1"= 500'

CRCWT 10,11

SOIL MAP

N

Recyc Systems™ Inc. (Biosolids Land Application)

Scale: 1"= 500'

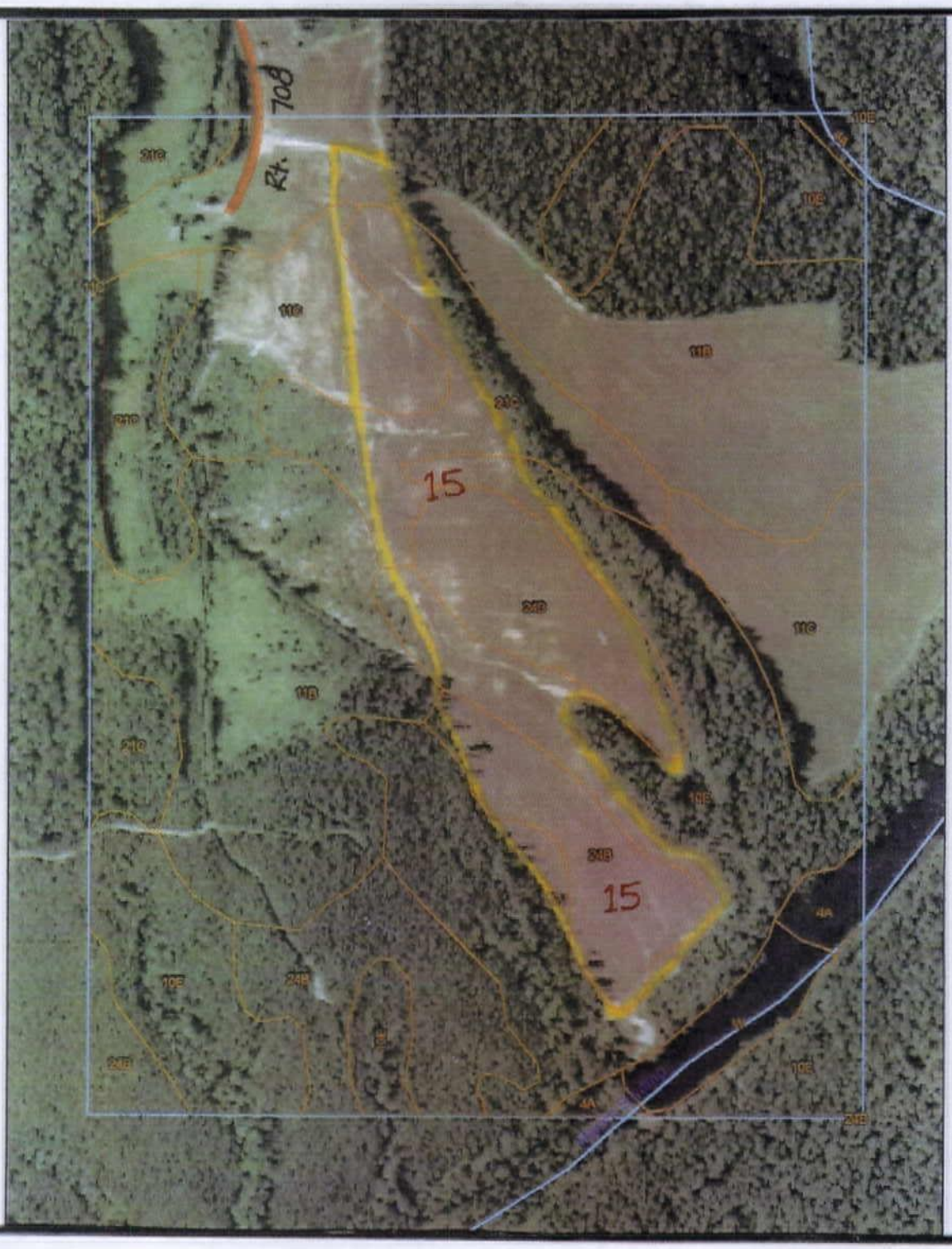
CRCWT 14

SOIL MAP

N

Recyc Systems™ Inc.

(Biosolids Land Application)



Scale: 1"= 500'

CRCWT 15

SOIL MAP

N

Recyc Systems™ Inc. (Biosolids Land Application)

Scale: 1"= 500'

CRCWT 16

SOIL MAP

N

Recyc Systems™ Inc. (Biosolids Land Application)

Scale: 1"= 660'

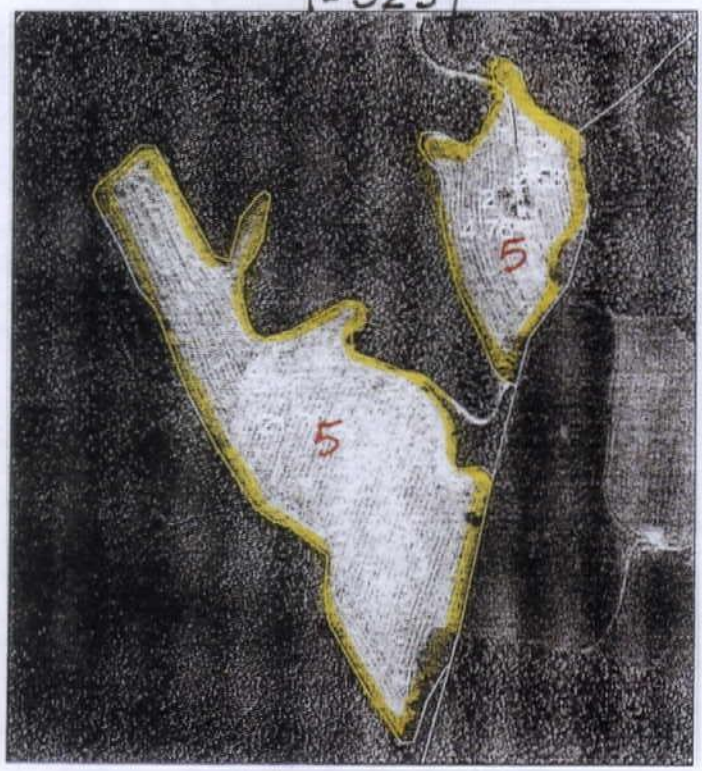
CRCWT 1-4

AERIAL MAP

N

Recyc Systems™ Inc. (Biosolids Land Application)

T-3257



F-2552
T-3257

Caroline County

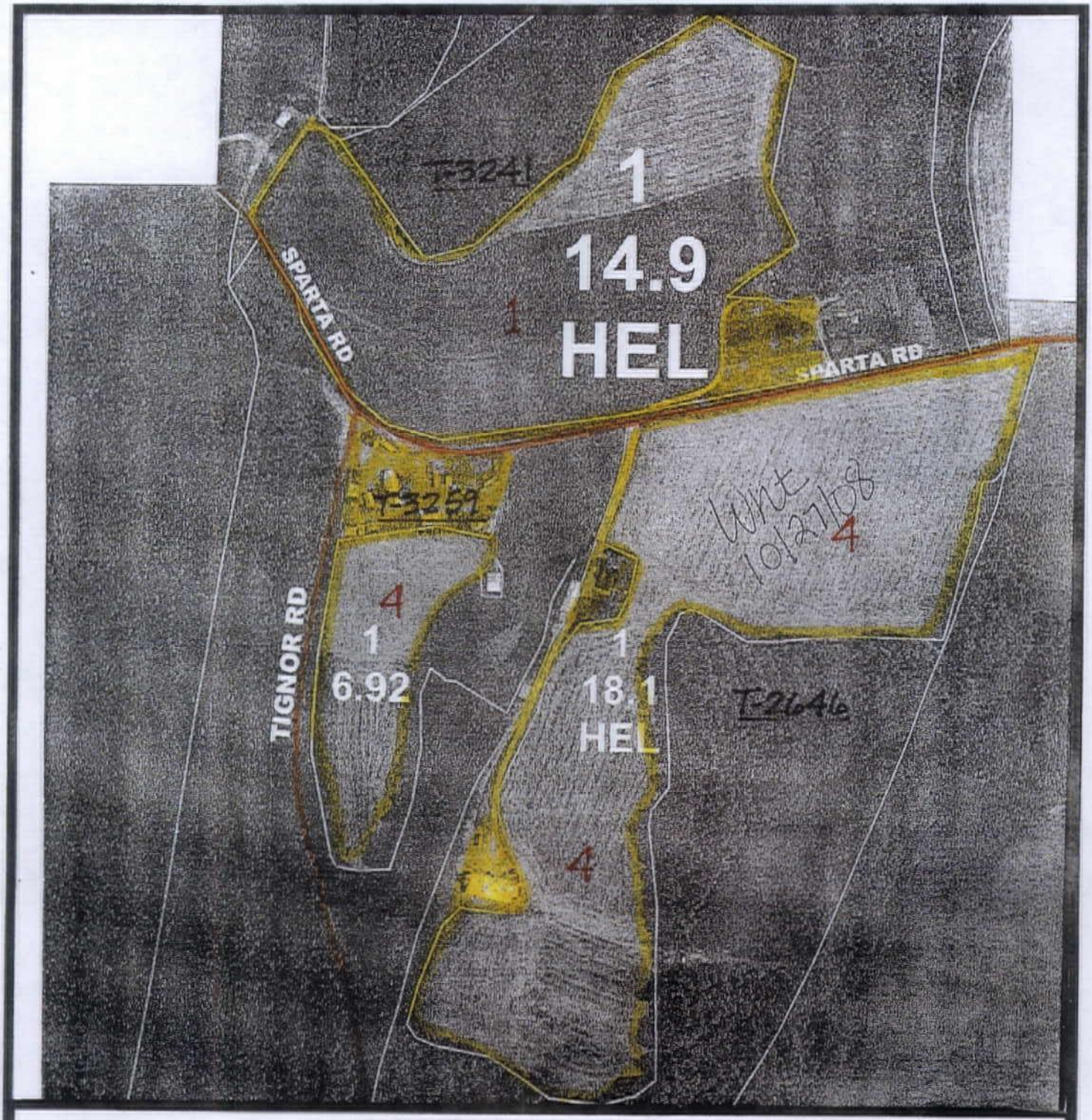
Scale: 1"= 660'

CRCWT 5

AERIAL MAP

N

Recyc Systems™ Inc. (Biosolids Land Application)



Scale: 1"= 330'

CRCWT 1,4

AERIAL MAP

N

Recyc Systems™ Inc. (Biosolids Land Application)

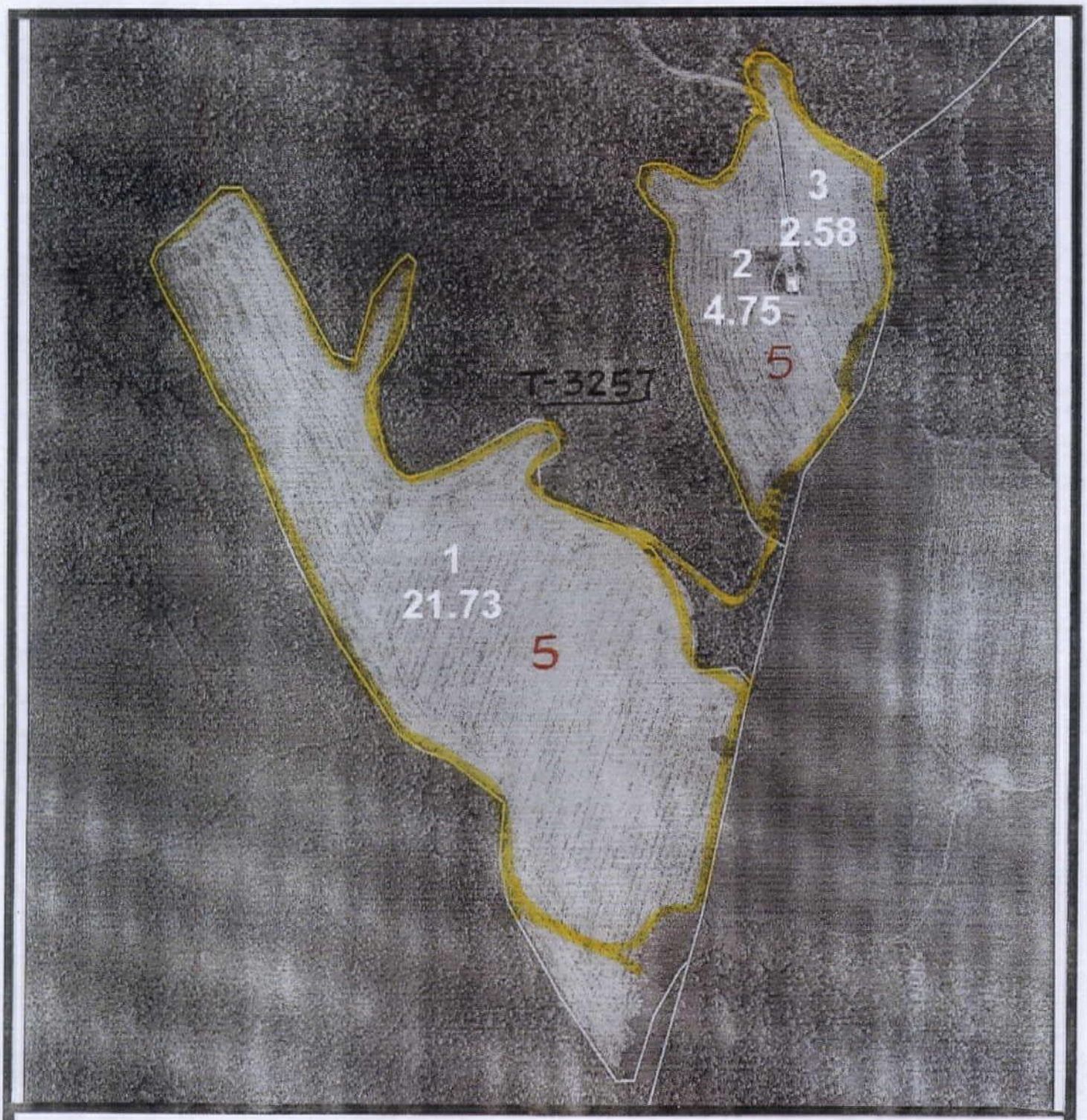
Scale: 1"= 330'

CRCWT 2,3

AERIAL MAP

N

Recyc Systems™ Inc. (Biosolids Land Application)



Scale: 1"= 330'

CRCWT 5

AERIAL MAP

N

Recyc Systems™ Inc. (Biosolids Land Application)

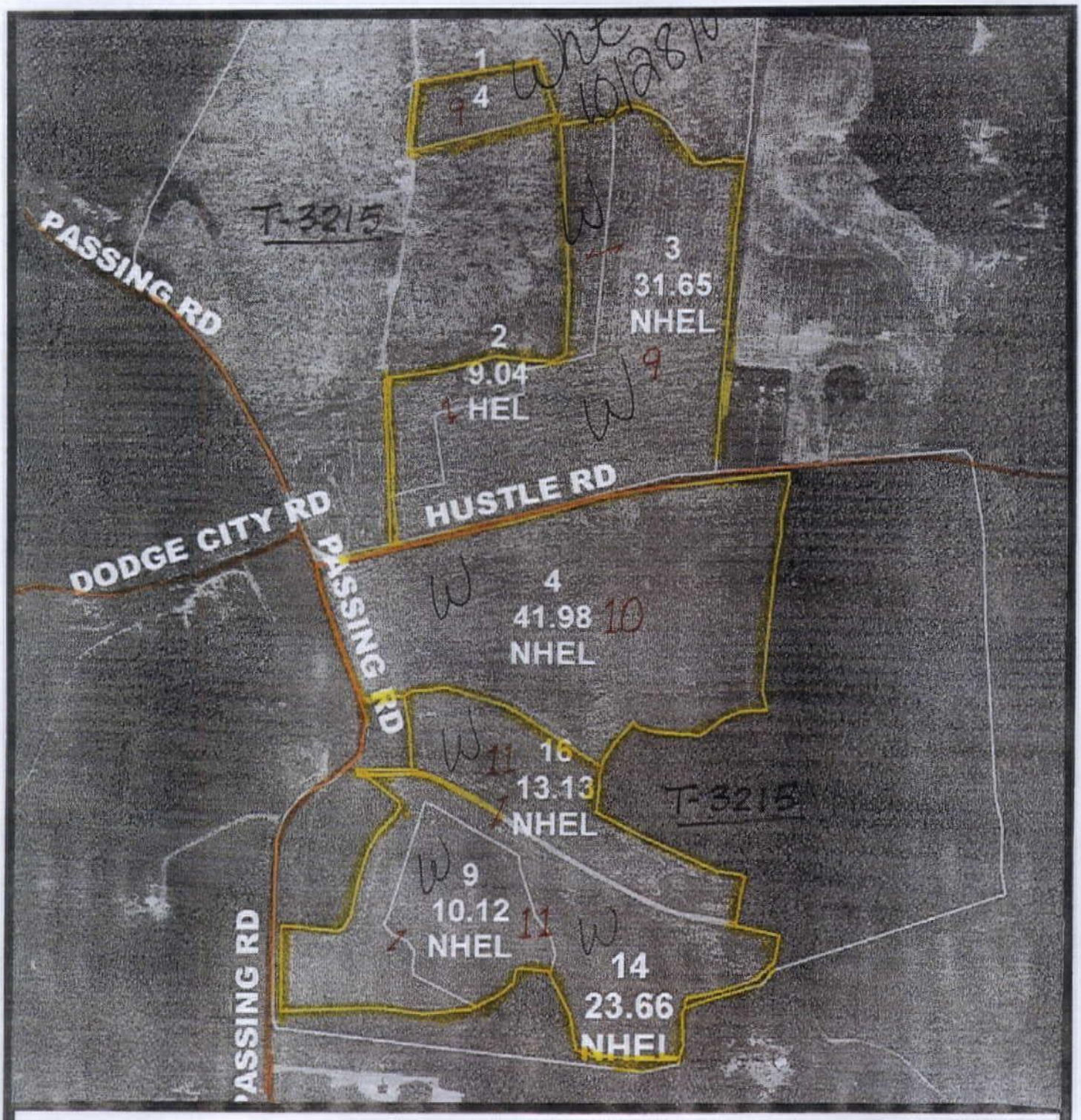
Scale: 1"= 660'

CRCWT 8

AERIAL MAP

N

Recyc Systems™ Inc. (Biosolids Land Application)



Scale: 1"= 660'

CRCWT 9-11

AERIAL MAP

N

Recyc Systems™ Inc. (Biosolids Land Application)

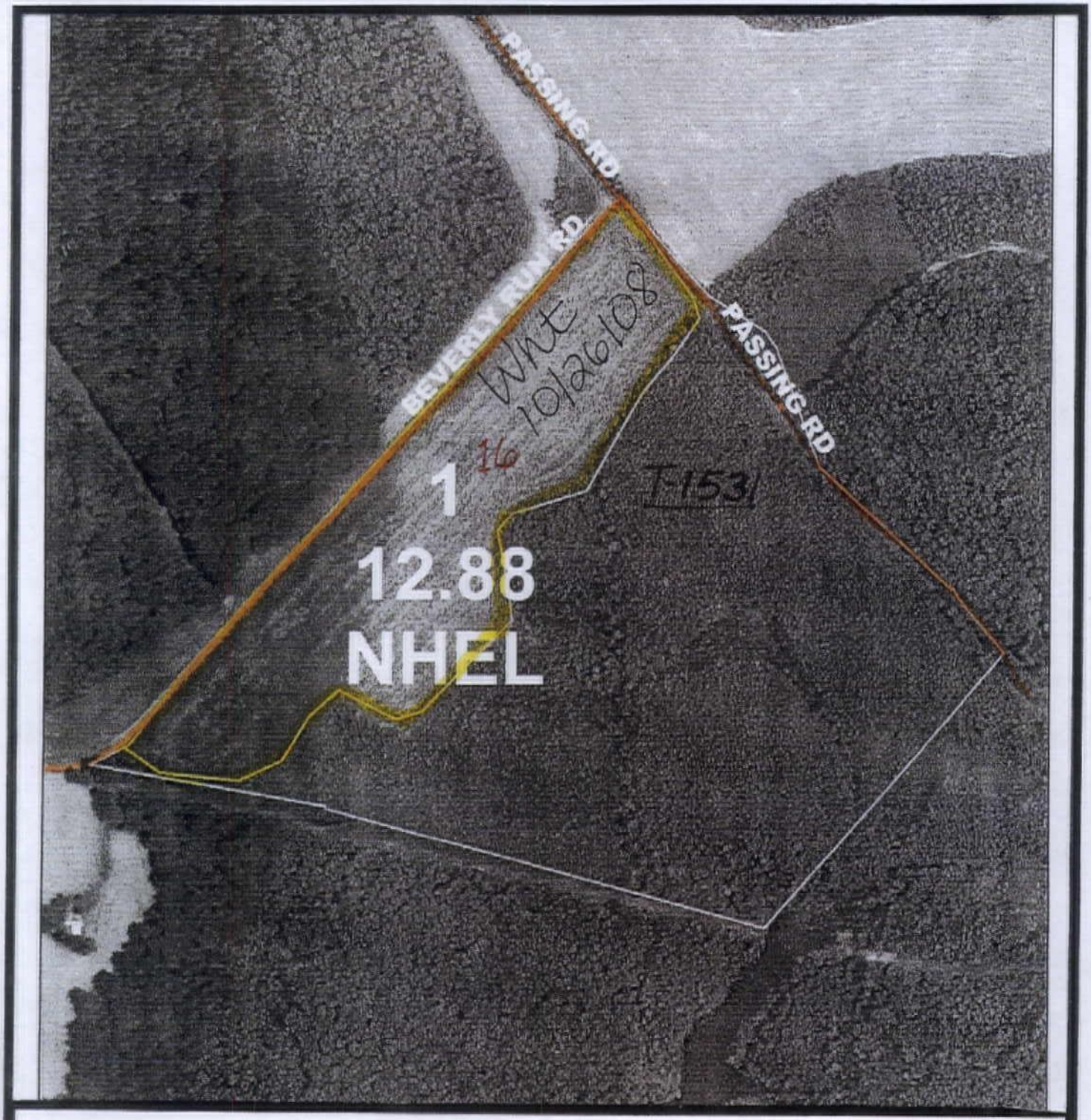
Scale: 1"= 660'

CRCWT 14,15

AERIAL MAP

N

Recyc Systems™ Inc. (Biosolids Land Application)



Scale: 1"= 330'

CRCWT 16

AERIAL MAP

N

Legend for Site Plan

H/W — House and Well

W — Well

Perennial Streams & Surface Waters

Wet Spot

Intermittent Stream / Drainage Ditch

Trees and Woods

Private Drive

R — Rock / Rocky Area

S — Sinkhole

Severely Eroded Spot

State Road

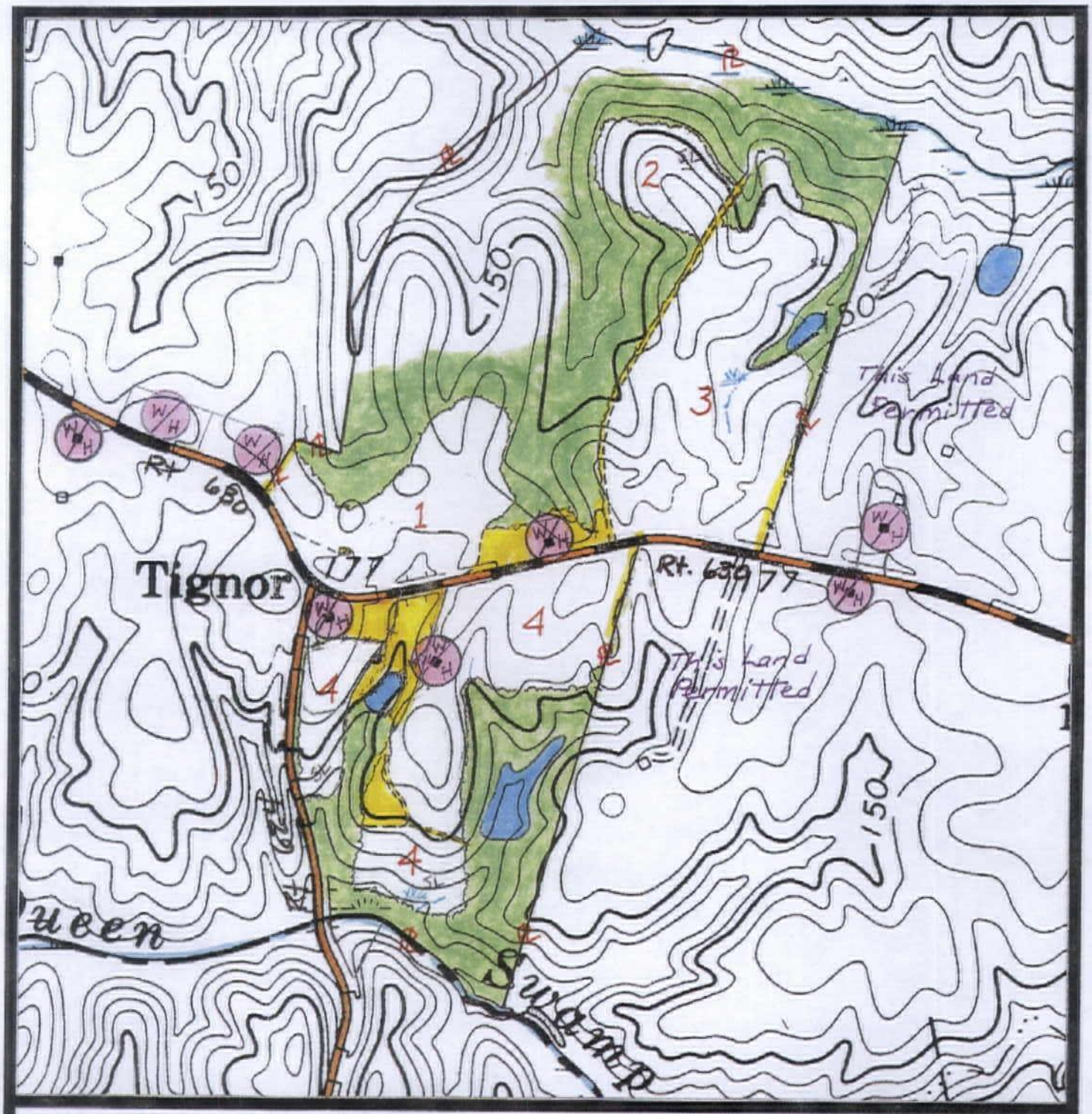
Field Boundary / Fence

Property Line

SL — Slope

FF — Frequent Flooded Soil (seasonal)

Recyc Systems™ Inc. (Biosolids Land Application)



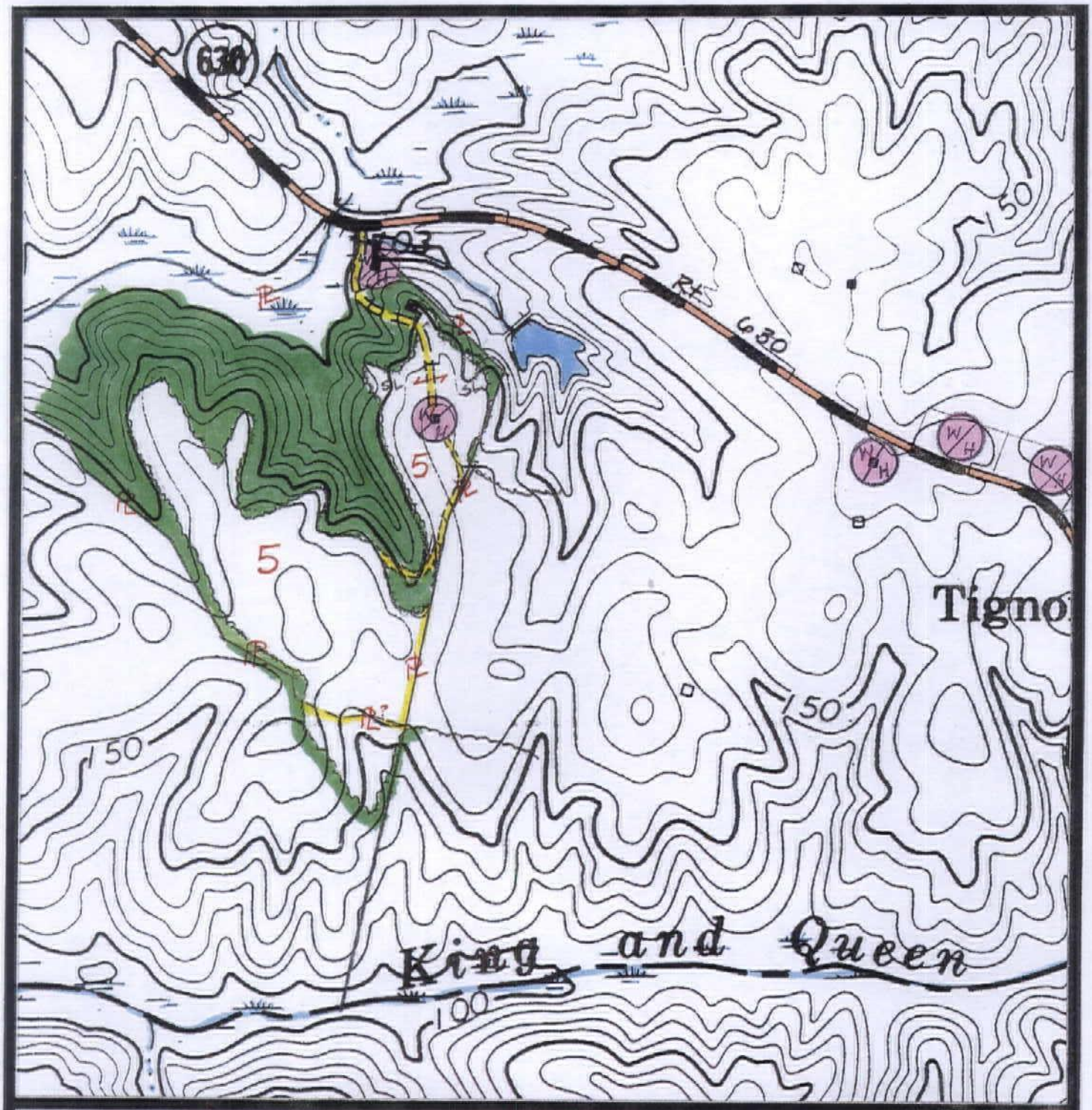
Scale: 1"= 660'

CRCWT 1-4

SITE PLAN

N

Recyc Systems™ Inc. (Biosolids Land Application)



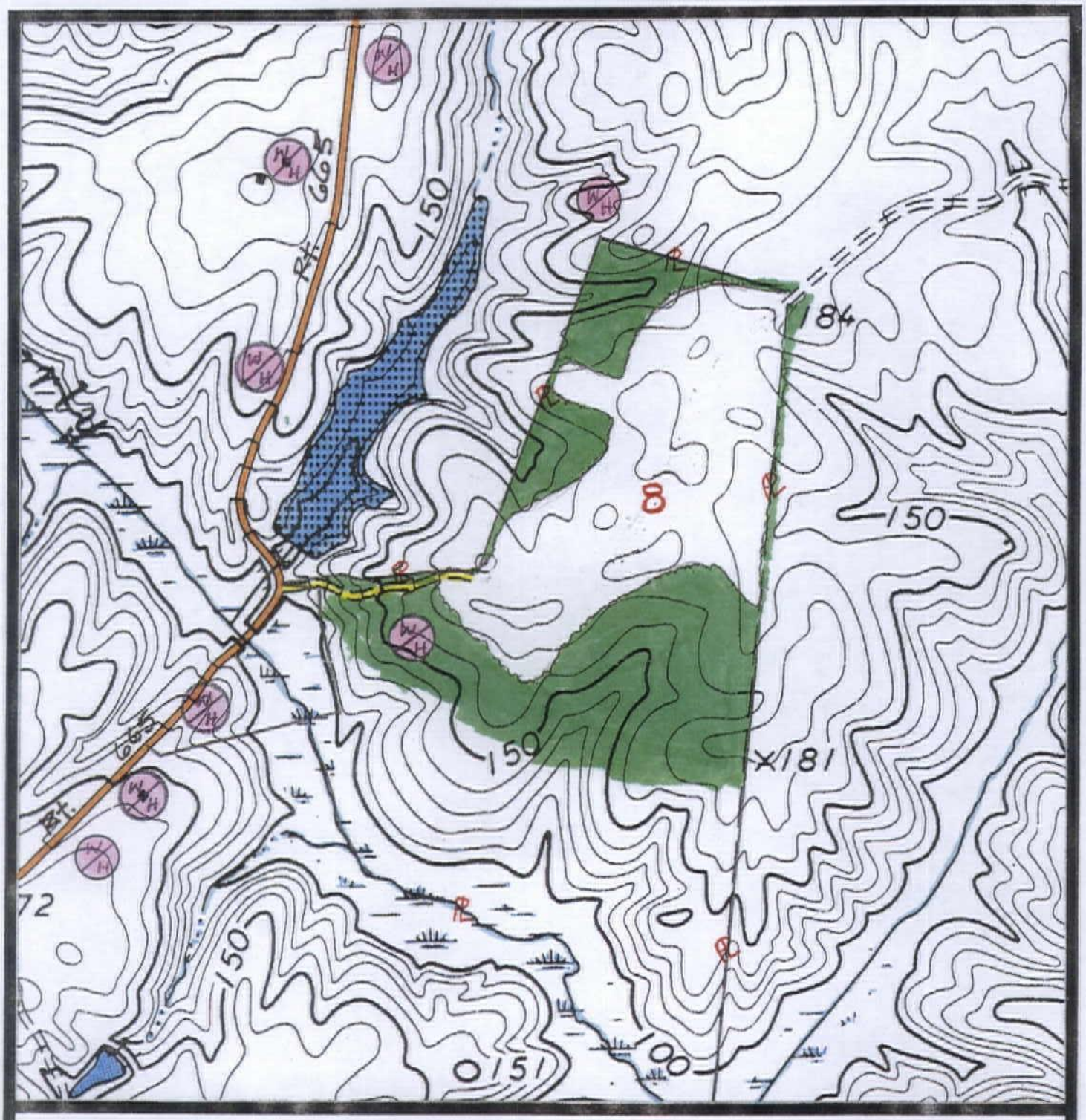
Scale: 1"= 660'

CRCWT 5

SITE PLAN

N

Recyc Systems™ Inc. (Biosolids Land Application)



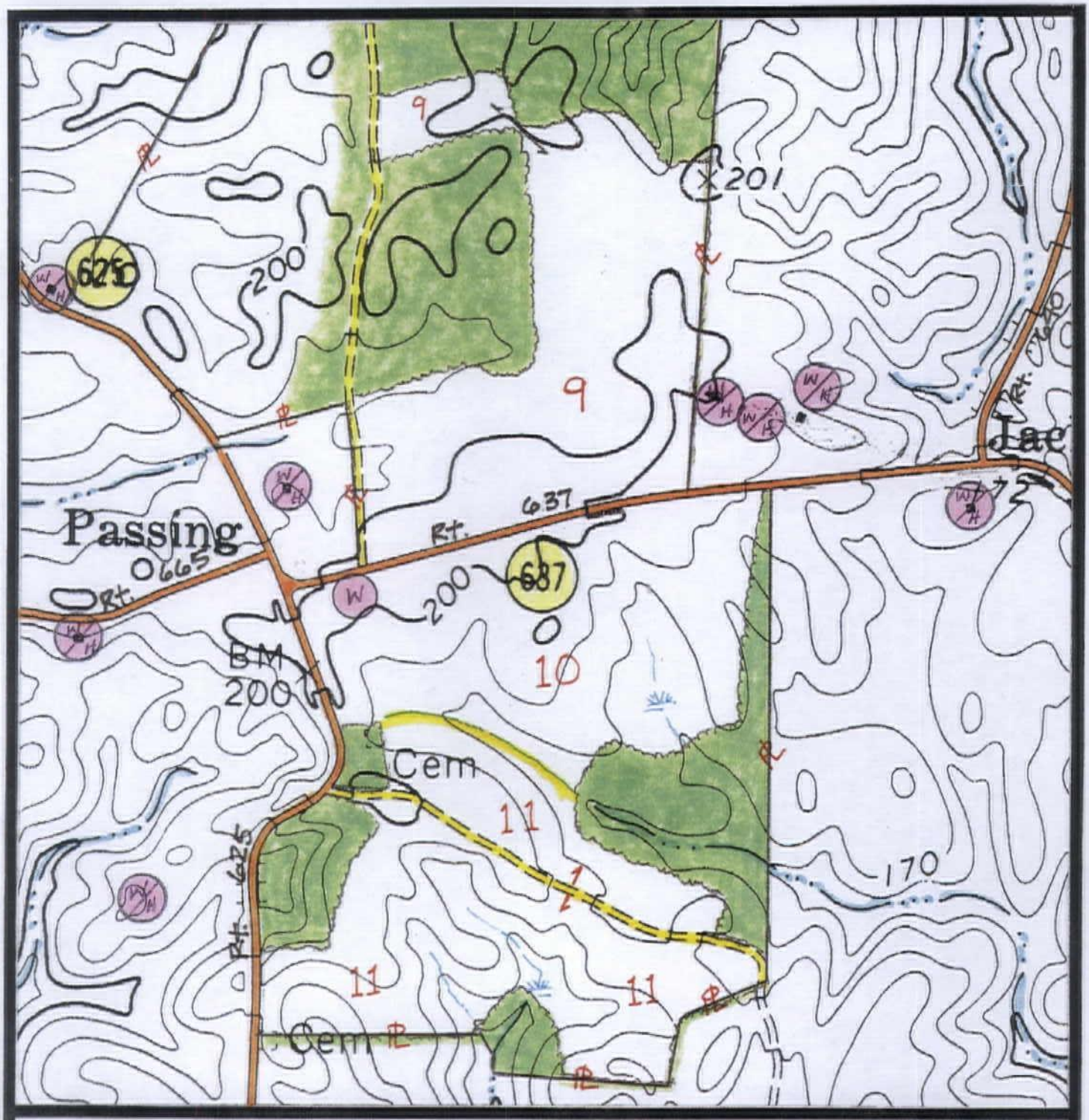
Scale: 1"= 660'

CRCWT 8

SITE PLAN

N

Recyc Systems™ Inc. (Biosolids Land Application)



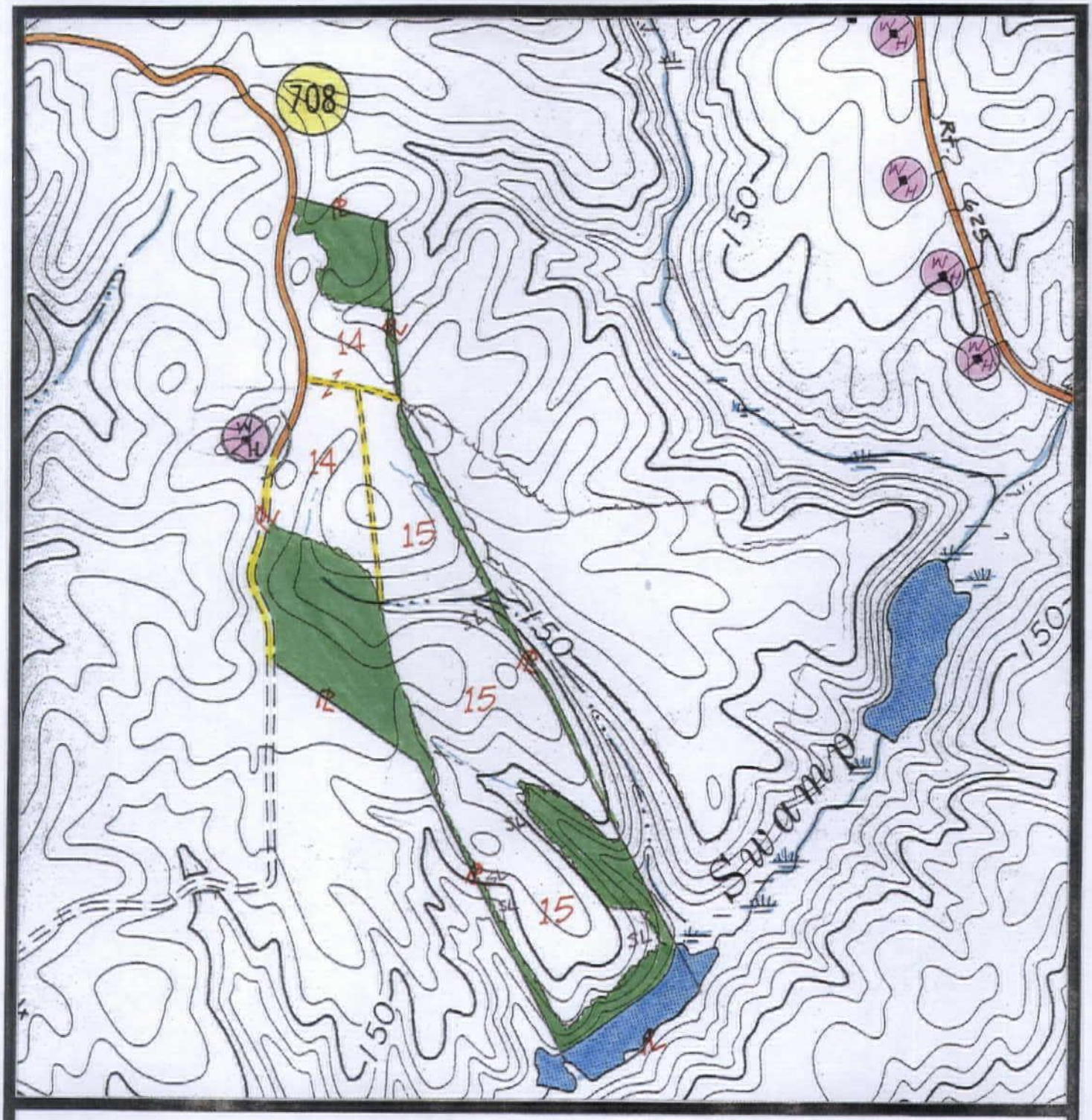
Scale: 1"= 660'

CRCWT 9-11

SITE PLAN

N

Recyc Systems™ Inc. (Biosolids Land Application)



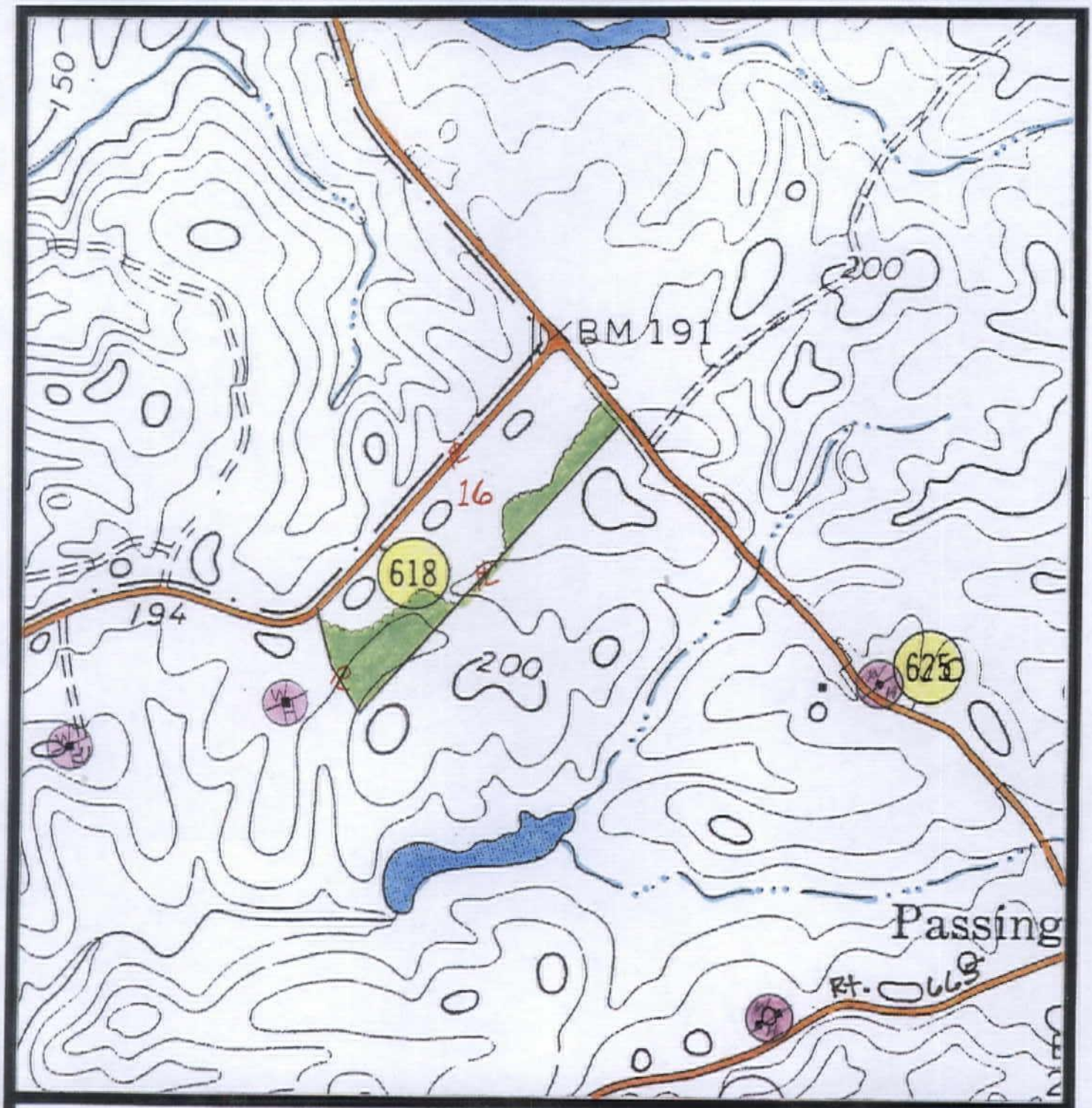
Scale: 1"= 660'

CRCWT 14,15

SITE PLAN

N

Recyc Systems™ Inc. (Biosolids Land Application)



Scale: 1"= 660'

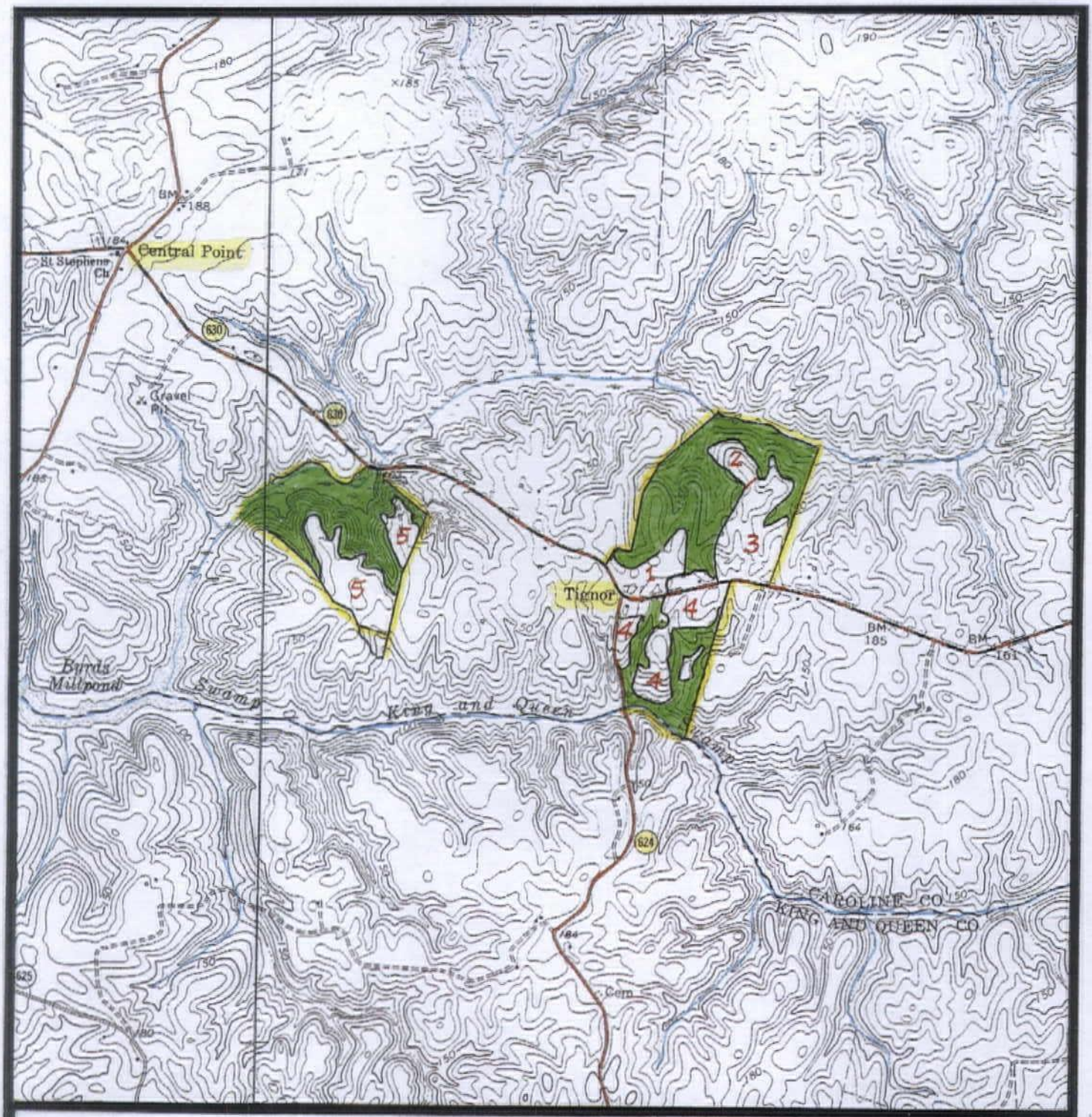
CRCWT 16

SITE PLAN

N

Recyc Systems™ Inc.

(Biosolids Land Application)



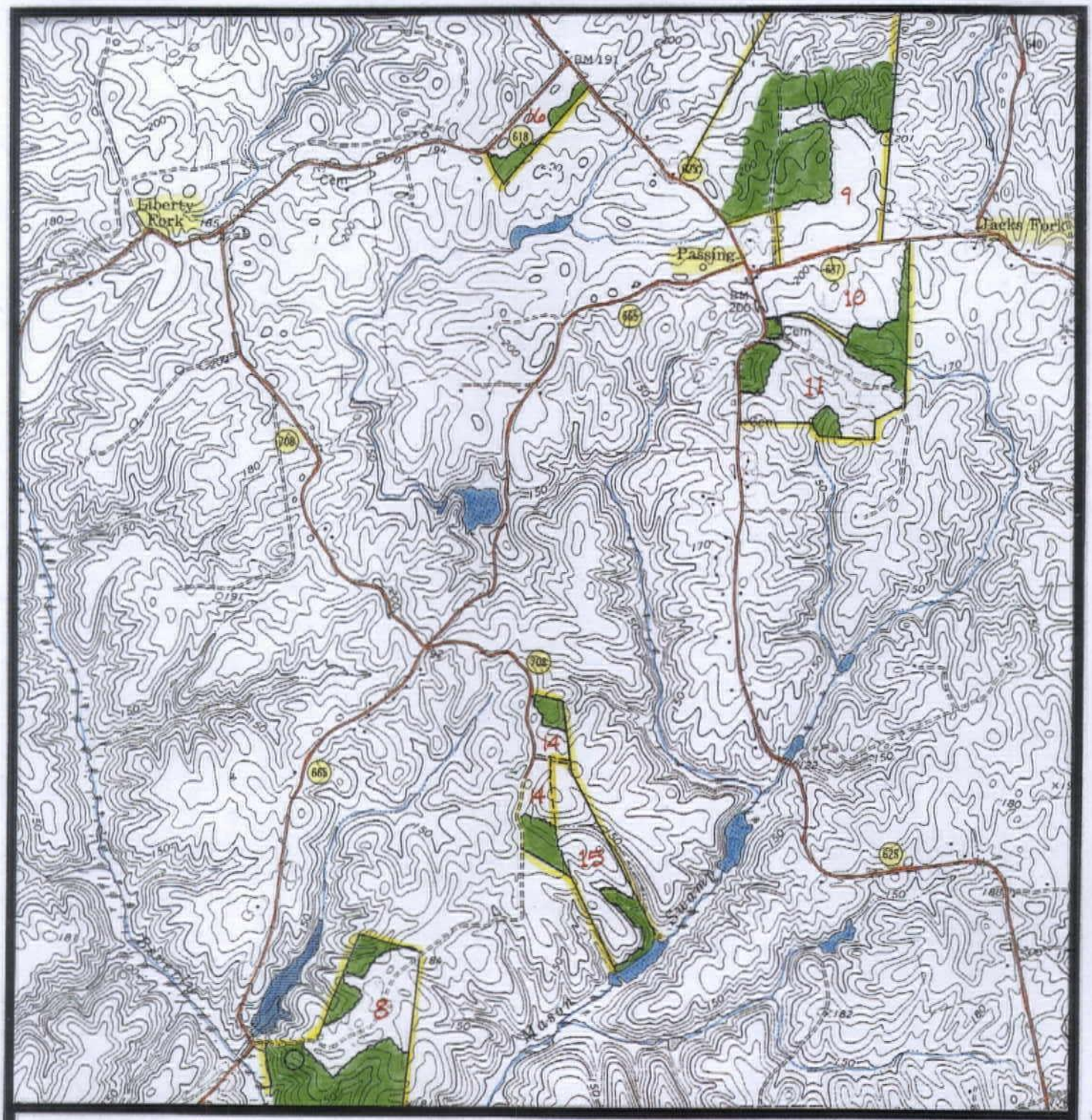
Scale: 1"= 2,000'

CRCWT 1-5

TOPOGRAPHIC MAP

N

Recyc Systems™ Inc. (Biosolids Land Application)



Scale: 1"= 2,000'

CRCWT 8,9-11,14-16

TOPOGRAPHIC MAP

N