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JUL 22 2013

GROUNDWATER

Department of Natural Resources & Environmental Control
Approval PageSITE EVALUATION
REFERENCE #549266

The soils on this site are approved when the following is completed in full and signed by the approving authority. Isolation distance requirements, limited area of suitable soils, filling, removal and/or compaction of the soil may negate construction permit approval or modify the type of system that may be permitted. All information should be verified by interested parties prior to the design and installation of the septic system. This is not a construction permit.

Owner's Name & Address:

First Missionary Baptist
P.O. Box 98
Clayton, DE 19938

Location of Property:

0 Paddock Lane
Smyrna
New Castle County

Tax Parcel# 15-016.00-113**Proposed Soil Absorption System:**

Elevated Sand Mound. Other Innovative-Alternative and conventional onsite wastewater treatment and disposal system options may exist at the discretion of the interested parties and DNREC. Contact site evaluator for details.

Permeability Rate Assigned:

60 MPI

Anticipated Flow:

480 gpd

of Proposed Dwelling Units: 1

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Location: Within the area indicated on the attached plot plan, in the vicinity of borings 1, 3, 5, 7 & A.**Depth to limiting zone:** Redoximorphic features at 20 inches.**Design Considerations and Comments:** See exhibit P in the 2005 Regulations. All minimum isolation distances must be met and maintained. See exhibit C (attached).

The designed primary and replacement areas must be protected from vehicular traffic, cutting or filling of the area.

The drainfield must be excavated only during periods of low soil moisture, preferably when soil moisture is at or below field capacity.

If the property lines change, the approved site evaluation will be negated. A new plot drawing showing the locations of the soil borings, new lot dimensions, etc. will be required in order for the site evaluation to be re-approved.

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Replacement Disposal System Type: Sand Lined Upgrade in place.

Depth to limiting zone: Same as above.

Location: Same as above.

INSTRUCTIONS TO PROPERTY OWNERS

1. Contact a Class C licensed System Designer.

2. A permeability rate of 60 minutes per inch has been estimated for the soils

EXPIRED

on your site. These values are derived from a table developed by the Department based on the texture of the soil. You may choose the estimated permeability rate to determine the required size of the drainfield or contact a Licensed Class A Percolation Tester to have a percolation test conducted in the immediate vicinity of the proposed system. Contact the site evaluator for percolation test depths.

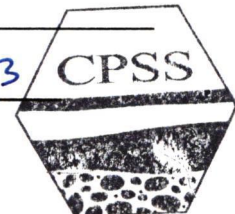
3. If you have any questions, call the evaluator at (610) 869-3066 or DNREC at (302) 739-9948.

This report has been prepared by:

Russell L. Losco, M.A., C.P.S.S.

Date

Russell L. Losco 7.20.13



Certified Professional
Soil Scientist
RUSSELL L. LOSCO
22586

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For Office Use Only

Field Checked 7/25/13

7/25/13
Expiration date

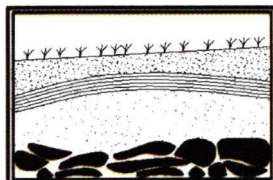
[Signature]

DNREC Approving Authority

7/25/13
date

Comments: _____

Disclaimer: Approval of a site evaluation indicates only that the site evaluation was conducted in compliance with these regulations. It is not an indication of the correctness or quality of the site evaluation.



Lanchester Soil Consultants, Inc.

311 East Avondale Road

West Grove, PA 19390

www.lanchestersoilconsultants.com

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610.869.3066

FAX 610.869.8918

Soildude@comcast.net

SITE EVALUATION REPORT

Project Name: First Missionary Baptist

Tax Parcel #: 15-016.00-113

Owner's Name & Address:

First Missionary Baptist

P.O. Box 98

Clayton, DE 19938

Location of Property:

0 Paddock Lane

Smyrna

New Castle County

Evaluator: Russell L. Losco

License Number: 2202

Date Site Evaluated: 05/10/2007 & 07/15/2013

Is property on a 100-year floodplain? No

Distance to central sewer: Unknown

Distance to central water: Unknown

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Depth to and type of limiting zone encountered:

Boring 1 - Redox Features at 30 inches depth - Aquic Hapludult- GPS - 39d 20.301 N - 75d 36.493W

Boring 2 - Redox Features at 21 inches depth - Aquic Hapludult- GPS - 39d 20.315 N - 75d 36.504W

Boring 3 - None encountered to 60 inches depth - Typic Hapludult- GPS - 39d 20.312 N - 75d 36.486W

Boring 4 - Redox Features at 8 inches depth - Aquic Hapludult- GPS - 39d 20.300 N - 75d 36.476W

Boring 5 - Redox Features at 20 inches depth - Aquic Hapludult- GPS - 39d 20.305 N - 75d 36.483W

Boring 6 - Redox Features at 14 inches depth - Aquic Hapludult- GPS - 39d 20.324 N - 75d 36.478W

Boring 7 - Redox Features at 20 inches depth - Aquic Hapludult- GPS - 39d 20.331 N - 75d 36.487W

Boring 8 - Redox Features at 14 inches depth - Aquic Hapludult- GPS - 39d 20.235 N - 75d 36.383W

Boring A - Redox Features at 24 inches depth - Aquic Hapludult- GPS - 39.33822 N - 75.80808W

Summary of Evaluation:

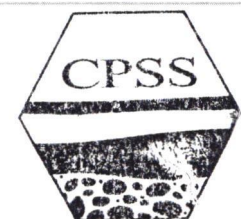
The site consists of a 1-2 % existing 10.91+/- acre lot that is in a backslope landscape position. The site is currently vacant. This site is not located in a sewer service area; therefore dual drainfields are required.

The soils in the evaluated area are moderately well drained soils of the Woodstown series. The permeability of the soils encountered in the suitable area are estimated to be 60 minutes per inch. This

evaluated area is suitable for installation of a sand mound sewage disposal system.


Russell L. Losco, M.A., C.P.S.S.

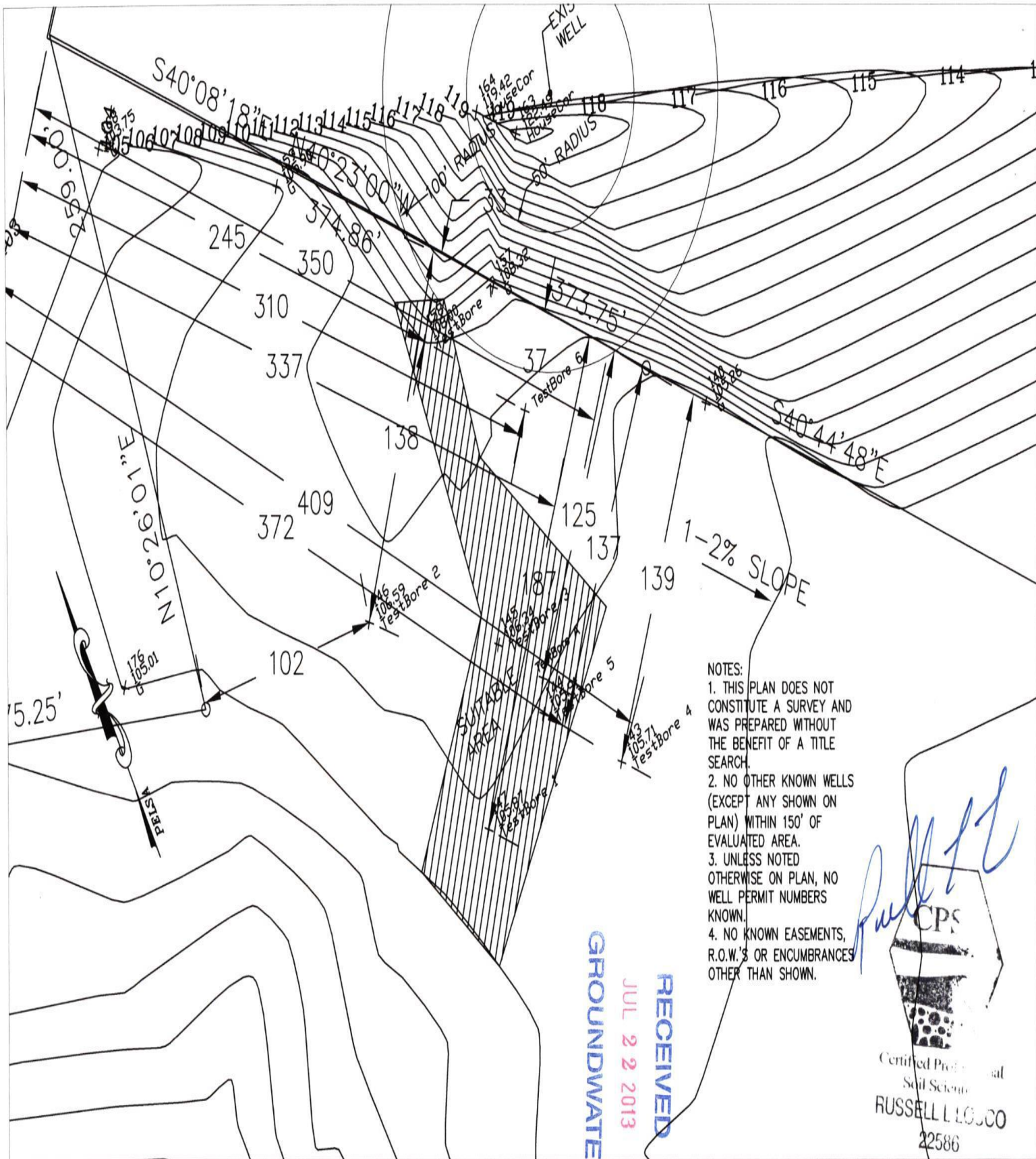
Date



Certified Professional
Soil Scientist
RUSSELL L LOSCO
22586

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7.20.13



FIRST MISSIONARY BAPTIST CHURCH

0 PADDOCK ROAD

TP# 15-016.00-113

PLAN VIEW

APPROX. SCALE 1" = 60'

LANCHESTER SOIL CONSULTANTS, INC.

311 EAST AVONDALE ROAD

WEST GROVE, PA 19390

PHONE (610) 869-3066

FAX (610) 869-8918



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SOIL PROFILE NOTES

Site Evaluator: Russell L. Losco, C.P.S.Sc. DE Class D License 2202

Lanchester Soil Consultants, Inc.
311 East Avondale Road
West Grove, PA 19390
Phone (610)869-3066
Fax (610)869-8918

Soil Boring/Pit #: 1					Slope: 1-5%		Relief: Backslope / Summit			
Date of Test: 05/10/2007					Estimated Permeability: 30 min/inch					
Property Owner: First Missionary Church					Depth to Limiting Zone: Redox Features @ 30"					
Property Location: 0 Paddock Road					Soil Series Identified: Woodstown					
Tax Parcel#: 15-016.00-113					Taxonomic Classification: Aquic Hapludult					
Latitude: 39 ^o 20.301					Longitude: 75 ^o 36.493					
Horizon	Depth in inches	Matrix Color	Texture	Structure	Consistence	Boundary	Coarse Fragment %	Redox Feature Color	Redox Feature Desription	Notes
Ap	0-9	10YR5/3	heavy sandy loam	fine weak subangular blocky	friable	abrupt				
Bt ₁	9-30	7.5YR4/6	coarse sandy loam	medium weak subangular blocky	friable	clear				
Bt ₂	30-46	10YR5/4	coarse sandy loam	fine moderate subangular blocky	very friable	clear		2.5Y7/1 & 2.5YR5/8	few fine faint	
C	46-60	7.5YR5/8	coarse heavy sandy loam	single grain structureless	loose			10YR7/2	few fine faint	



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Site Evaluator: Russell L. Losco, C.P.S.Sc. DE Class D License 2202

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Soil Boring/Pit #: 2					Slope: 1-5%		Relief: Backslope / Summit			
Date of Test: 05/10/2007					Estimated Permeability: 60 min/inch					
Property Owner: First Missionary Church					Depth to Limiting Zone: Redox Features @ 21"					
Property Location: 0 Paddock Road					Soil Series Identified: Woodstown					
Tax Parcel#: 15-016.00-113					Taxonomic Classification: Aquic Hapludult					
Latitude: 39 ⁰ 20.315					Longitude: 75 ⁰ 36.504					
Horizon	Depth in inches	Matrix Color	Texture	Structure	Consistence	Boundary	Coarse Fragment %	Redox Feature Color	Redox Feature Desription	Notes
Ap	0-6	10YR5/4	siltloam	fine moderate subangular blocky	friable	clear				
Bt	6-21	10YR5/8	siltloam	coarse moderate subangular blocky	friable	gradual		10YR8/3	few fine faint	
Btg	21-60	10YR6/4 & 10YR7/2	siltloam	fine moderate subangular blocky	friable			10YR7/2	matrix	



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Soil Boring/Pit #: 3					Slope: 1-5%		Relief: Backslope / Summit			
Date of Test: 05/10/2007					Estimated Permeability: 60 min/inch					
Property Owner: First Missionary Church					Depth to Limiting Zone: None to 60"					
Property Location: 0 Paddock Road					Soil Series Identified: Matapeake					
Tax Parcel#: 15-016.00-113					Taxonomic Classification: Typic Hapludult					
Latitude: 39 ⁰ 20.312					Longitude: 75 ⁰ 36.486					
Horizon	Depth in inches	Matrix Color	Texture	Structure	Consistence	Boundary	Coarse Fragment %	Redox Feature Color	Redox Feature Desription	Notes
Ap	0-8	10YR5/4	siltloam	fine moderate subangular blocky	friable	clear				
Bt ₁	8-32	7.5YR5/6	siltloam	coarse moderate subangular blocky	friable	gradual				
Bt ₂	32-41	10YR5/8	siltloam	medium moderate subangular blocky	friable	clear				
2C ₁	41-48	10YR6/8	gravelly medium sandy loam	single grain structureless	loose	clear				
2C ₂	48-60	10YR6/8	fine sandy loam	massive structureless	very friable					



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Soil Boring/Pit #: 4					Slope: 1-5%		Relief: Backslope / Summit			
Date of Test: 05/10/2007					Estimated Permeability: 80 min/inch					
Property Owner: First Missionary Church					Depth to Limiting Zone: Redox Features @ 8"					
Property Location: 0 Paddock Road					Soil Series Identified: Woodstown					
Tax Parcel#: 15-016.00-113					Taxonomic Classification: Aquic Hapludult					
Latitude: 39 ⁰ 20.300					Longitude: 75 ⁰ 36.476					
Horizon	Depth in inches	Matrix Color	Texture	Structure	Consistence	Boundary	Coarse Fragment %	Redox Feature Color	Redox Feature Desription	Notes
Ap	0-8	10YR4/2	heavy sandy loam	fine weak subangular blocky	friable	abrupt				
E	8-20	10YR6/4	loam	fine weak subangular blocky	friable	clear		10YR7/1	many fine faint	
Bt	20-32	10YR5/4	silty clayloam	medium moderate subangular blocky	slightly plastic			2.5Y7/1	many coarse distinct	



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Site Evaluator: Russell L. Losco, C.P.S.Sc. DE Class D License 2202

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Soil Boring/Pit #: 5					Slope: 1-5%		Relief: Backslope / Summit			
Date of Test: 05/10/2007					Estimated Permeability: 60 min/inch					
Property Owner: First Missionary Church					Depth to Limiting Zone: Redox Features @ 20"					
Property Location: 0 Paddock Road					Soil Series Identified: Woodstown					
Tax Parcel#: 15-016.00-113					Taxonomic Classification: Aquic Hapludult					
Latitude: 39 ⁰ 20.305					Longitude: 75 ⁰ 36.483					
Horizon	Depth in inches	Matrix Color	Texture	Structure	Consistence	Boundary	Coarse Fragment %	Redox Feature Color	Redox Feature Description	Notes
Ap	0-8	10YR5/4	siltloam	fine moderate subangular blocky	friable	clear				
Bt ₁	8-20	10YR6/6	siltloam	medium moderate subangular blocky	friable	gradual				
Bt ₂	20-24	10YR6/6	siltloam	coarse moderate subangular blocky	friable			10YR7/2	few medium distinct	

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Soil Boring/Pit #: 6					Slope: 1-5%		Relief: Backslope / Summit			
Date of Test: 05/10/2007					Estimated Permeability: 30 min/inch					
Property Owner: First Missionary Church					Depth to Limiting Zone: Redox Features @ 14"					
Property Location: 0 Paddock Road					Soil Series Identified: Woodstown					
Tax Parcel#: 15-016.00-113					Taxonomic Classification: Aquic Hapludult					
Latitude: 390 20.324					Longitude: 750 36.478					
Horizon	Depth in inches	Matrix Color	Texture	Structure	Consistence	Boundary	Coarse Fragment %	Redox Feature Color	Redox Feature Description	Notes
Ap	0-8	10YR4/2	heavy sandy loam	fine weak subangular blocky	friable	abrupt				
E	8-14	10YR6/4	loam	fine weak subangular blocky	friable	clear				
Bt ₁	14-28	10YR4/6	sandy loam	medium weak subangular blocky	friable	clear		10YR7/1	many fine faint	
Bt ₂	28-36	10YR5/8	loam	medium weak subangular blocky	friable			2.5Y7/1	many coarse distinct	



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Fax (610)869-8918

Soil Boring/Pit #: 7					Slope: 1-5%		Relief: Backslope / Summit			
Date of Test: 05/10/2007					Estimated Permeability: 60 min/inch					
Property Owner: First Missionary Church					Depth to Limiting Zone: Redox Features @ 20"					
Property Location: 0 Paddock Road					Soil Series Identified: Woodstown					
Tax Parcel#: 15-016.00-113					Taxonomic Classification: Aquic Hapludult					
Latitude: 39 ⁰ 20.331					Longitude: 75 ⁰ 36.487					
Horizon	Depth in inches	Matrix Color	Texture	Structure	Consistence	Boundary	Coarse Fragment %	Redox Feature Color	Redox Feature Description	Notes
Ap	0-8	10YR4/4	siltloam	fine moderate subangular blocky	friable	clear				
Bt ₁	8-20	10YR5/6	siltloam	medium moderate subangular blocky	friable	gradual				
Bt ₂	20-44	10YR5/6 & 10YR7/2	siltloam	fine moderate subangular blocky	friable	clear		10YR7/2	common coarse distinct	
BC	44-52	10YR5/6 & 10YR7/2	heavy fine sandy loam	massive structureless	friable	clear		10YR7/2	common coarse distinct	
Btg	52-60	10YR7/2	silty clayloam	fine moderate subangular blocky	friable			10YR7/2	matrix	



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Soil Boring/Pit #: 8				Slope: 1-5%		Relief: Backslope / Summit				
Date of Test: 05/10/2007				Estimated Permeability: 90 min/inch						
Property Owner: First Missionary Church				Depth to Limiting Zone: Redox Features @ 14"						
Property Location: 0 Paddock Road				Soil Series Identified: Woodstown						
Tax Parcel#: 15-016.00-113				Taxonomic Classification: Typic Endoaquult						
Latitude: 39 ⁰ 20.235				Longitude: 75 ⁰ 36.383						
Horizon	Depth in inches	Matrix Color	Texture	Structure	Consistence	Boundary	Coarse Fragment %	Redox Feature Color	Redox Feature Desription	Notes
Ap	0-8	10YR5/4	siltloam	medium weak subangular blocky	friable	clear				
Bt	8-20	10YR6/6	heavy siltloam	medium moderate subangular blocky	slightly plastic	gradual				
Btg	20-44	10YR6/6 & 10YR8/1	silty clayloam	medium weak subangular blocky	slightly plastic			10YR8/1	common coarse distinct	

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SOIL PROFILE NOTES

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West Grove, PA 19390

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Soil Boring/Pit #: A					Slope: 1-5%		Relief: Backslope / Summit			
Date of Test: 07/15/2013					Estimated Permeability: 60 min/inch					
Property Owner: First Missionary Church					Depth to Limiting Zone: Redox Features @ 24"					
Property Location: 0 Paddock Road					Soil Series Identified: Woodstown					
Tax Parcel#: 15-016.00-113					Taxonomic Classification: Typic Endoaquult					
Latitude: 39.338822					Longitude: 75.60808					
Horizon	Depth in inches	Matrix Color	Texture	Structure	Consistence	Boundary	Coarse Fragment %	Redox Feature Color	Redox Feature Desription	Notes
Ap	0-10	10YR4/4	siltloam	fine moderate subangular blocky	friable	clear				
Bt1	10-24	10YR6/4	siltloam	medium moderate subangular blocky	friable	gradual				
Bt2	24-72	10YR6/4	siltloam	medium moderate subangular blocky	friable			10YR8/1, 7.5YR6/6	common coarse distinct	

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New Castle County, Delaware

"The First County in the First State"

nccde.org

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[County Home](#) > [Land Use](#) > [Parcel Search](#) > **[Parcel Details](#)**

Search

[Website Search](#)

[Parcel Search](#)

[Deeds Search](#)

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[Legislation Search](#)

[Permit Search](#)

[Project Search](#)

Land Use Questions:

LandUse@nccde.org

Tax/Sewer Questions:

treasury@nccde.org

Address:

NCC Government Center
87 Read's Way
New Castle, DE 19720

Parcel # 1501600113

[View Map](#) [View Tax Bills](#) [Buildings/Sketches](#) [Recent Sales](#) [Tax and Sewer Only](#)

Property Address: 0 PADDOCK RD
SMYRNA, DE 19977-
Subdivision: JOYCE SUBD
Owner: FIRST MISSIONARY BAPTIST
P O BOX 98
Owner Address:
CLAYTON, DE 19938
Municipal Info: Unincorporated

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Lot #:
Location:
Map Grid: 09202600
Block:
Census Tract: 169.04
Street Type: ARTERIAL
Water:
Microfilm #: 004639

Property Class: RESIDENTIAL
Lot Size: 10.18
Lot Depth: 0
Lot Frontage: 0
Street Finish:

District & Zoning Info

Districts

- [SMYRNA SCHOOL DIST-TRES](#)
- DE REP 09-REBECCA WALKER
- FIRE/RESCUE - SMYRNA
- DE SEN 14-BRUCE C ENNIS
- PLANNING 7 - MOT
- COUNCIL 6 -WILLIAM E POWERS JR
- SOUTH OF C & D CANAL
- TRAFFIC ZONE T200 (YR2000)

Zoning

- SR - UDC - SUBRBAN RESERVE

Sales History

Owner	Deed	Current Owner?	Multi?	Sale Date	Sale Amount
SHANE FRANCIS MELVIN	R90 637	N	N	7/1/1975	\$10,500.00
FIRST MISSIONARY BAPTIST	1877 90	Y	N	2/1/1995	\$52,000.00

Tax/Assessment Info

Assessment

Land: 17800
Structure: 0
Homesite: 0
Total: 17800

County Taxable: 17800

School Taxable: 17800

Tax History as of 7/20/2013 6:21:01 AM

Tax Year	County				School			
	Principal Due	Penalty Due	Date Paid	Amt Paid	Principal Due	Penalty Due	Date Paid	Amt Paid
2010A	\$0.00	\$0.00	10/4/2010	\$124.92	\$0.00	\$0.00	10/4/2010	\$195.73
2011A	\$0.00	\$0.00	9/21/2011	\$124.71	\$0.00	\$0.00	9/21/2011	\$199.90
2012A	\$0.00	\$0.00	10/24/2012	\$132.20	\$0.00	\$0.00	10/24/2012	\$220.08
2013A	\$124.71	\$0.00	Not Available	\$0.00	\$220.63	\$0.00	Not Available	\$0.00

County Balance Due: \$124.71

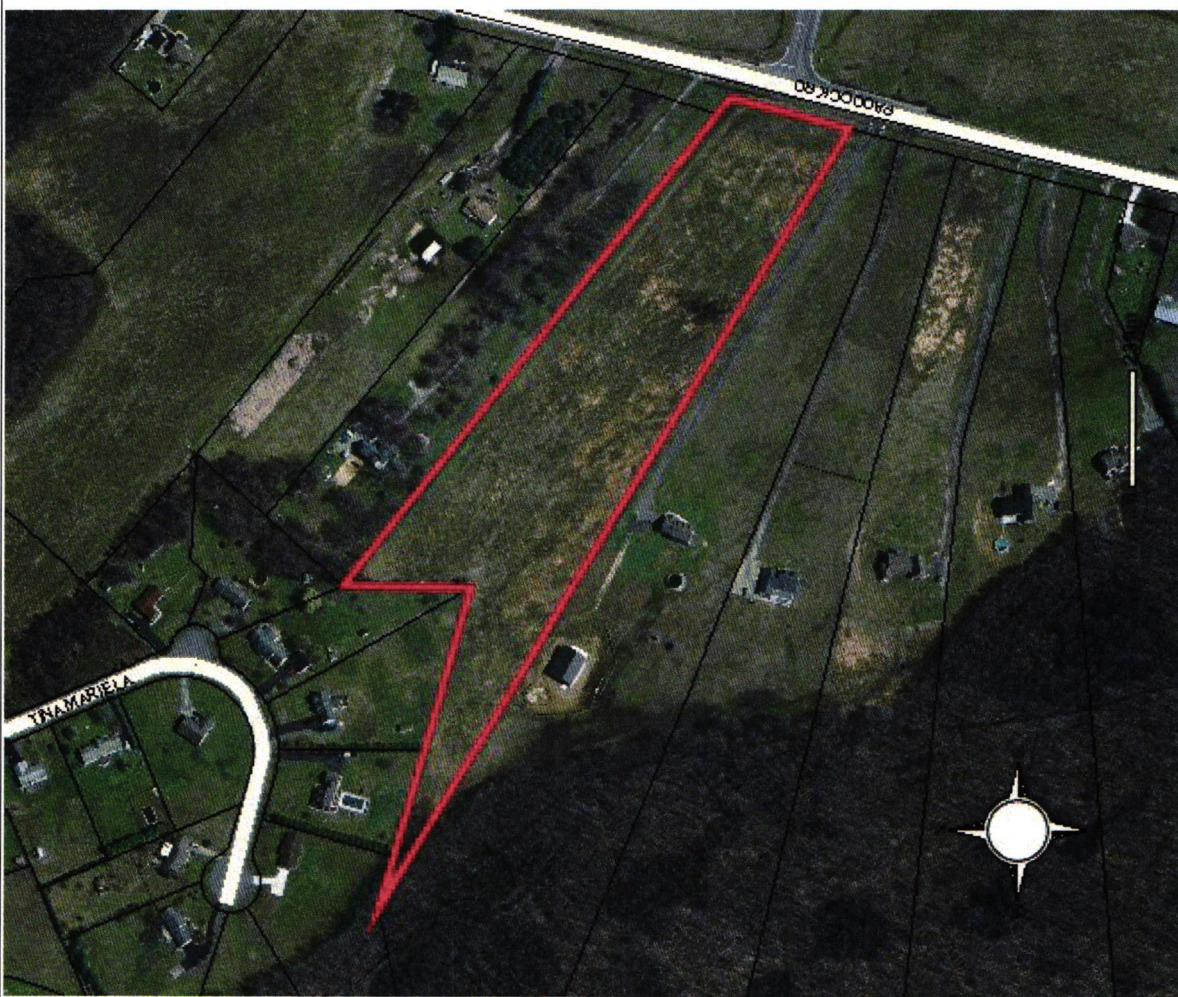
School Balance Due: \$220.63

These amounts are valid through the last day of the month. For accounts with delinquent balances, statutory penalty will accrue on the first day of next month.

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DiLuzio



Legend	
Major Roads	
	Ramp, Service Area
	US Highway
	State Route
	Interstate
	Tax Parcels
	Public and Private Schools
	PRIVATE
	PUBLIC
	Streets and Roads
	Interstate
	U.S. Route
	State Route
	County Roads
	neighborhood
	Private
	Service
	Interstate ramps
	Incorporated
	Railroad
	Aerial Photos
	Surface Water
	Adjacent Counties
	Adjacent States
	Delaware
	Other

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