DEPARTMENT OF HEALTH AND HUMAN SERVICES
DIVISION OF PUBLIC HEALTH, ENVIRONMENTAL HEALTH SECTION
ON-SITE WATER PROTECTION BRANCH

Sheet 1 of 2
PROPERTY ID #: 48507142
COUNTY: Iredell

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM
(Complete all fields in full)

OWNER: Brittany Tatum
APPLICATION DATE 9-30-15
ADDRESS: 456 Tatum Rd
DATE EVALUATED: 10-23-15
PROPOSED FACILITY: SFD
PROPOSED DESIGN FLOW (.1949): 360gpd
PROPERTY SIZE: 1.65 acres
LOCATION OF SITE: 496 Tatum Rd.
PROPERTY RECORDED: Yes
WATER SUPPLY: ☑ Private ☐ Public ☐ Well ☐ Spring ☐ Other N/A
EVALUATION METHOD: ☑ Auger Boring ☐ Pit ☐ Cut
TYPE OF WASTEWATER: ☑ Sewage ☐ Industrial Process ☐ Mixed

PROFILE #	.1940 LANDSCAPE POSITION/ SLOPE %	HORIZON DEPTH (IN.)	SOIL MORPHOLOGY (.1941) .1941 STRUCTURE/ TEXTURE	1941 CONSISTENCE/ MINERALOGY	OTHER PROFILE FACTORS .1942 SOIL WETNESS/ COLOR	.1943 SOIL DEPTH	.1956 SAPRO CLASS	.1944 RESTR HORIZ	PROFILE CLASS & LTAR
1	10% NS	0-9	SCL SBK	Fr Mod SE	—	—	—	—	Need Pits
		9-30	BC/manipulated??						
		30-32	Rock Controlled SAP						
2	12% NS	0-9	SCL SBK	Fr Mod SE	—	—	—	—	Need Pits
		9-27	C+Rock SBK	Fr Mod					
		22-40	BC+Rock						
		40-44	Rock Controlled SAP						
		44	Rock						
3	7% NS	0-5	SCL SBK	Fr Mod SE	>48"	46"	46"	46"	PS 0.275
		5-18	C SBC	Fr Mod SE					
		18-46	BC SAP Fri WSBC	Fr Mod SE					
		46-48	SAP						
4	10% NS	0-5	CL SBK	Fr Mod SE	>48"	42"	42"	42"	PS 0.275
		5-23	C Few 4/8 Mottles ABK	Fr Mod SE					
		23-42	BC SAP Incl WABK	Fr Mod SE					
		42-48	SAP						
			Few Mag deposits						

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	PS	PS
System Type(s)	II	II
Site LTAR	0.275	0.275

OTHER FACTORS (.1946): N/A
SITE CLASSIFICATION (.1948): PS
EVALUATED BY: [signature]
OTHER(S) PRESENT: N/A

COMMENTS: N/A

DEPARTMENT OF HEALTH AND HUMAN SERVICES
DIVISION OF PUBLIC HEALTH, ENVIRONMENTAL HEALTH SECTION
ON-SITE WATER PROTECTION BRANCH

Sheet 2 of 2
PROPERTY ID #: 485097141?
COUNTY: Iredell

SOIL/SITE EVALUATION
***for* ON-SITE WASTEWATER SYSTEM**
(Complete all fields in full)

OWNER: Brittany Tatum — APPLICATION DATE 9-30-15
ADDRESS: 456 Tatum Rd — DATE EVALUATED: 12-7-15
PROPOSED FACILITY: OFD — PROPOSED DESIGN FLOW (.1949): 360gpd — PROPERTY SIZE: 1.65 acres
LOCATION OF SITE: 496 Tatum Rd — PROPERTY RECORDED: Yes
WATER SUPPLY: ☐ ~~Private~~ ☐ Public ☐ Well ☐ Spring ☐ Other N/A
EVALUATION METHOD: ☐ ~~Auger~~ Boring ☐ Pit ☐ Cut — TYPE OF WASTEWATER: ☐ ~~Sewage~~ ☐ Industrial Process ☐ Mixed

PROFILE #	.1940 LANDSCAPE POSITION/ SLOPE %	HORIZON DEPTH (IN.)	SOIL MORPHOLOGY (.1941) .1941 STRUCTURE/ TEXTURE	.1941 CONSISTENCE/ MINERALOGY	OTHER PROFILE FACTORS .1942 SOIL WETNESS/ COLOR	.1943 SOIL DEPTH	.1956 SAPRO CLASS	.1944 RESTR HORIZ	PROFILE CLASS & LTAR
5	12% NS	0-4	EL SBK	Fr ModSE	+48"	43"	43"	43"	PS 0.275
		4-16	C SBK	Fr ModSE					
		16-43	Br SAP Inc WABK	Fr ModSE					
		43-48	SAP						
6	16% NS	0-5	SCL SBK	Fr ModSE	+30"	30"	+30"	30"	PS 0.275
		5-20	C ABK	Fr ModSE					
		20-30	BC ABK	Fr Mod SE					
		30	Rock						
7									
8									

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	PS	PS
System Type(s)	~~I~~	I
Site LTAR	0.275	0.275

OTHER FACTORS (.1946): N/A
SITE CLASSIFICATION (.1948): PS
EVALUATED BY: Justin Henderson
OTHER(S) PRESENT: N/A

COMMENTS: N/A

LEGEND

use the following standard abbreviations

LANDSCAPE POSITION	GROUP	SOIL TEXTURE	CONVENTIONAL .1955 LTAR*	LPP .1957 LTAR*	MINERALOGY/ CONSISTENCE	STRUCTURE
CC (Concave Slope)	I	S (Sand)	1.2 - 0.8	0.6 - 0.4	SEXP (Slightly Expansive)	G (Single Grain)
CV (Convex Slope)		LS (Loamy Sand)			EXP (Expansive)	M (Massive)
D (Drainage Way)						CR (Crumb)
DS (Debris Slump)	II	SL (Sandy Loam)	0.8 - 0.6	0.4 - 0.3		GR (Granular)
FP (Flood Plain)		L (Loam)				SBK (Subangular Blocky)
FS (Foot Slope)						ABK (Angular Blocky)
H (Head Slope)	III	Si (Silt)	0.6 - 0.3	0.3 - 0.15		PL (Platy)
L (Linear Slope)		SiCL (Silty Clay Loam)				PR (Prismatic)
N (Nose Slope)		CL (Clay Loam)				
R (Ridge)		SCL (Sandy Clay Loam)			MOIST	WET
S (Shoulder Slope)		SiL (Silt Loam)				
T (Terrace)					VFR (Very Friable)	NS (Non-sticky)
	IV	SC (Sandy Clay)	0.4 - 0.1	0.2 - 0.05	FR (Friable)	SS (Slightly Sticky)
		SiC (Silty Clay)			FI (Firm)	S (Sticky)
		C (Clay)			VFI (Very Firm v. Very Sticky)	VS (Very Sticky)
		O (Organic)	None	None	EFI (Extremely Firm)	NP (Non-plastic)
						SP (Slightly Plastic)
						P (Plastic)
						VP (Very Plastic)

* Adjust LTAR due to depth, consistence, structure, soil wetness, landscape, position, wastewater flow and quality.

NOTES

HORIZON DEPTH — In inches below natural soil surface

DEPTH OF FILL — In inches from land surface

RESTRICTIVE HORIZON — Thickness and depth from land surface

SAPROLITE — S(suitable) or U(unsuitable)

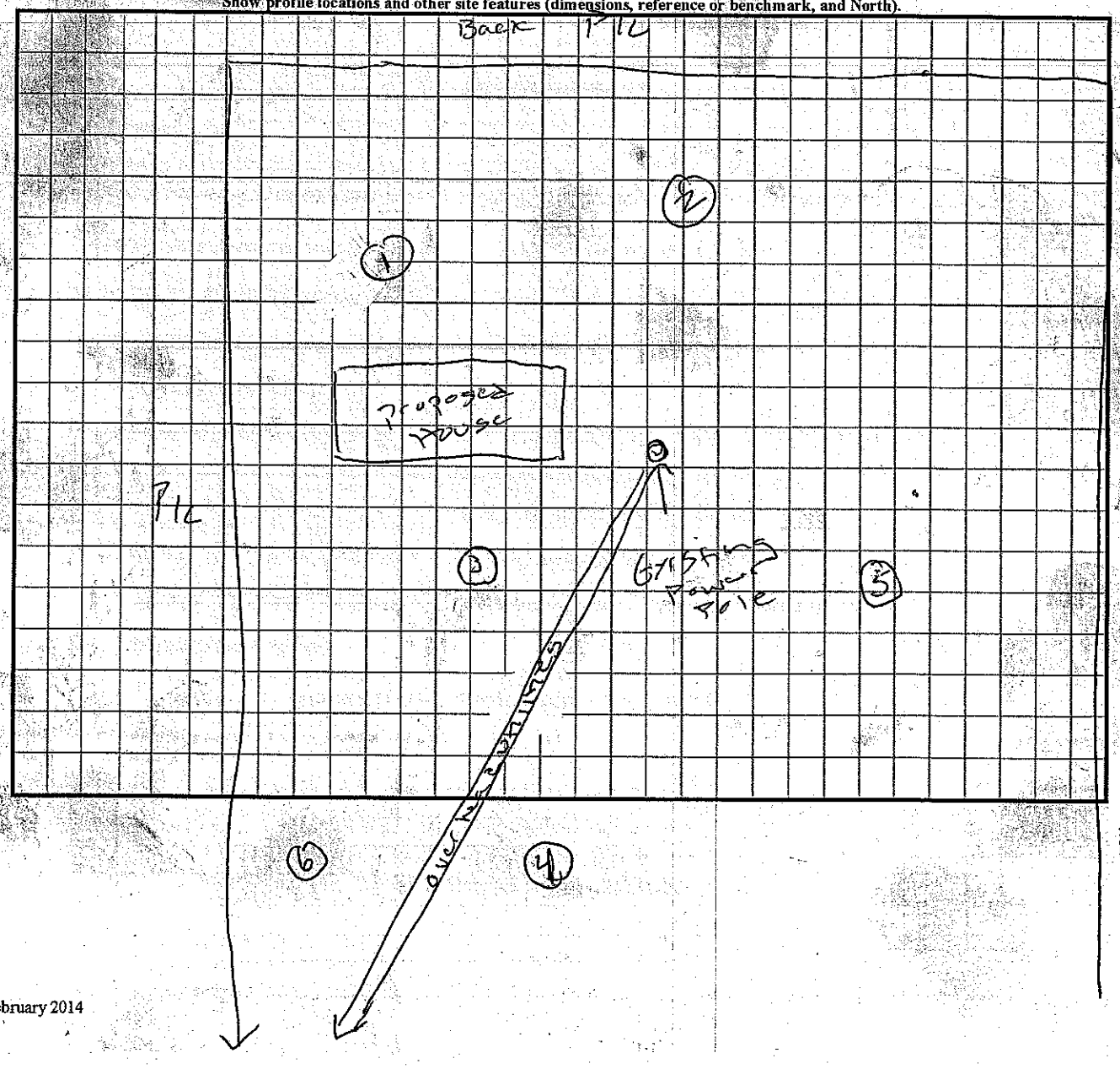
SOIL WETNESS — Inches from land surface to free water or inches from land surface to soil colors with chroma 2 or less - record Munsell color chip designation

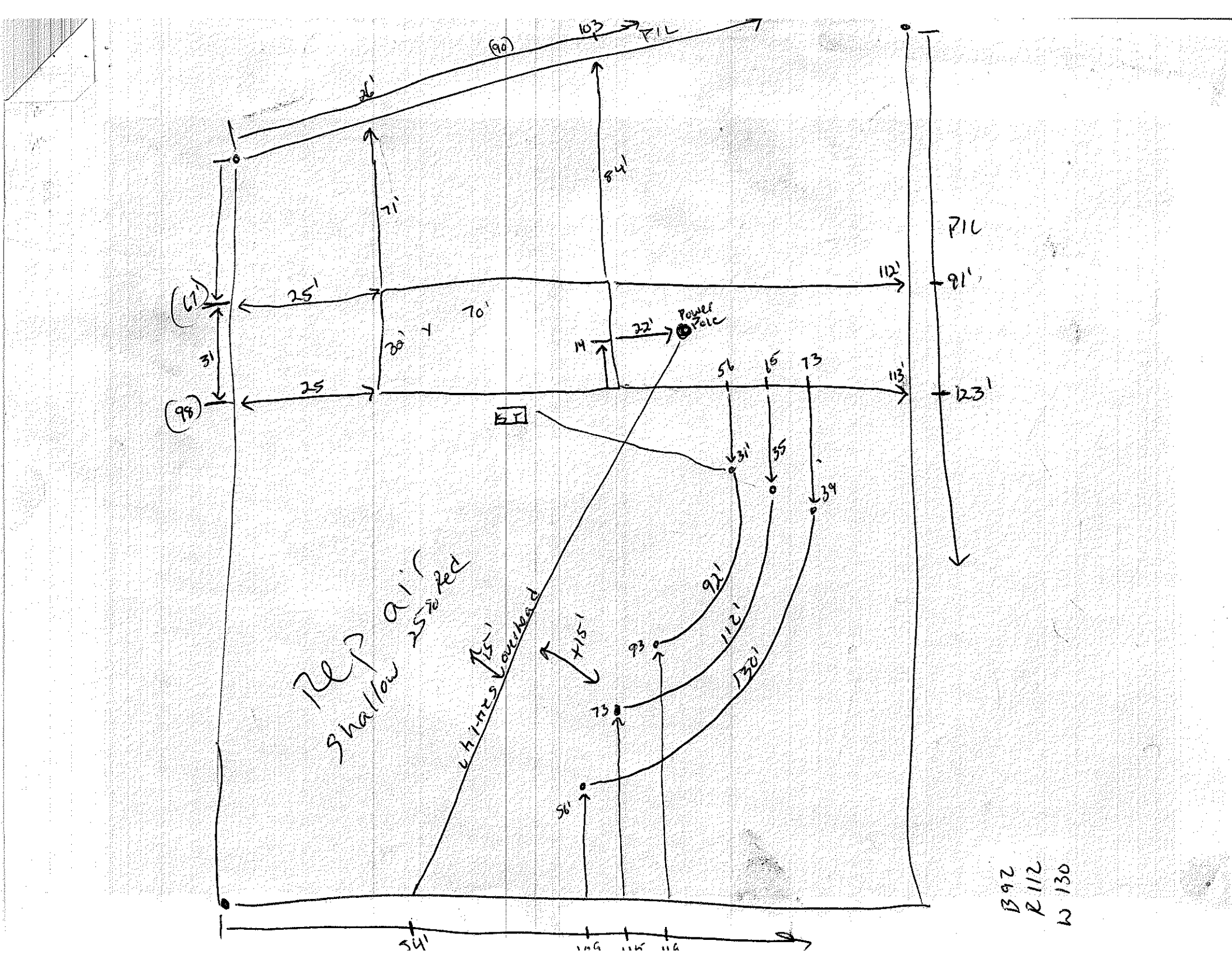
CLASSIFICATION — S (Suitable), PS (Provisionally Suitable), or U (Unsuitable)

Evaluation of saprolite shall be by pits.

Long-term Acceptance Rate (LTAR): gal/day/ft²

Show profile locations and other site features (dimensions, reference or benchmark, and North).




(90)
103
PIL
26'
71'
84'
PIL
91'
112'
123'
(67)
25'
70'
30'
31
(98)
25
14
22'
Power Pole
56
15
73
113'
31'
55
39
92'
112'
130'
93
73
56'
help air
shallow 25% zed
4 hi-res
overhead
15'
x15'
54'
B92
R112
L130

Justin Henderson

From: Deena Abee <abeescg@aol.com>
Sent: Tuesday, January 12, 2016 1:06 PM
To: Justin Henderson
Subject: Fwd: Tatum Rd.
Attachments: image001.jpg; image002.jpg; image001.jpg; image002.jpg; DEP - DEC Distribution ROW Restriction List.docx

This is on Brittany Tatum on Tatum Rd. You were waiting on permission from Duke Energy for easement.

Deena

-----Original Message-----
From: Horton, James M. <James.Horton@duke-energy.com>
To: Deena Abee <abeescg@aol.com>
Sent: Tue, Jan 12, 2016 11:04 am
Subject: RE: Tatum Rd.

Deena,

Please see the note below from our land services group regarding septic crossing on Tatum Rd. :

Concerning septic crossings within distribution R/W, we will allow the piping (buried min 36" deep) to tie the drain field to the septic tank. We do not allow drain fields or septic tanks within the R/W. If the land owner chooses to encroach on us, it will be at their risk and we would claim no liability.

I have also attached a copy of our Distribution R/W Restrictions.
Please let me know if any further information is needed.

Thanks,

Pete Horton
Distribution Engineering & Construction Planning
Piedmont Northwest
DUKE ENERGY.
Duke Energy | 500 Utility Dr | Clemmons NC 27012
☎336.917.2534/336.917.2510(fax)) | 336.414.1866 | ✉james.horton@duke-energy.com

From: Deena Abee [mailto:abeescg@aol.com]
Sent: Friday, January 08, 2016 10:34 AM
To: Horton, James M.
Subject: Re: Tatum Rd.

Pete,

Wanted to see if you have heard anything from Land Services. We have a house coming next week & need to get this completed. Is there a person I can call to find out?

Thanks,
Deena Abee

-----Original Message-----
From: Horton, James M. <James.Horton@duke-energy.com>
To: Deena Abee <abeescg@aol.com>
Sent: Tue, Jan 5, 2016 11:05 am
Subject: RE: Tatum Rd.

Hi Deena,

I have passed the information regarding the easement on to our Land Services group. They are discussing the easement requirements.

Thanks

Pete Horton
Distribution Engineering & Construction Planning
Piedmont Northwest
DUKE ENERGY.
Duke Energy | 500 Utility Dr | Clemmons NC 27012
☎336.917.2534/336.917.2510(fax)) | 336.414.1866 | ✉james.horton@duke-energy.com

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From: Deena Abee [mailto:abeescg@aol.com]
Sent: Thursday, December 31, 2015 10:57 AM
To: Horton, James M.
Subject: Fwd: Tatum Rd.

*** Exercise caution. This is an EXTERNAL email. DO NOT open attachments or click links from unknown senders or unexpected email. ***

-----Original Message-----
From: Deena Abee <abeescg@aol.com>
To: Pete.Horton <Pete.Horton@duke-energy.com>
Sent: Fri, Dec 11, 2015 7:48 am
Subject: Tatum Rd.