IREDELL COUNTY HEALTH DEPARTMENT

4639.18.4448 ✓ 209358

Statesville Office (704) 878-5305 Mooresville Office (704) 660-3625 PERMIT # ~~176484~~

IMPROVEMENT PERMIT / AUTHORIZATION TO CONSTRUCT / OPERATION PERMIT / EXISTING SYSTEM

PIN # 4639-~~09-4090~~-~~18.4448~~-013

APPLICANT: TONEY JACOBS

APPLICANT ADDRESS: 168 BROADBILL DRIVE, MOORESVILLE, NC 28117

SITE ADDRESS: ✓ 200 APACHE RD - TRTM 28166

PHONE: 704-663-6905 ALT. PHONE: 704-483-6033

SITE DIRECTIONS: STATE PARK ROAD TO MORRISON FARM ROAD, ~~LEFT JUST PAST~~ LEFT APACHE ROAD

SUBDIVISION: ✓ TWIN COVES @ MORRISON

SECTION: ____ LOT # 13/13A LOT AREA: 2.0 ACRES DESIGN FLOW: 480 L.T.A.R.: 0.30 GPD/FT2

Septic Tank 1000 (gal) STB 766-1000 Date 7-21

Pump Tank 1000 (gal) PT 363-1000 Date 12-9

Pump Make Goulds Model WE 152 HT Serial #

Nitrification Fields 1 # Lines THREE Linear Ft: 400

Trench Width 36" Max. Trench Bottom Depth 36" Gravel Depth N/A

☑ New System ☐ Repair ☐ Expansion System Type: I II (III) IV V VI

System Description: 25% REDUCTION, PUMP

Repair System Description: 25% REDUCTION, PUMP

Maintenance Agreement Required: ☐ YES ☑ NO

☐ GRAVITY ☑ PRESSURE

☑ Residence No. Bedrooms 4

☐ Business No. Persons

☐ Other No. Employees

☐ Slab ☐ Crawl Space

☑ Basement w/plumbing ☐ Basement w/o plumbing

Water Supply: ☑ Private ☐ Public ☐ Community

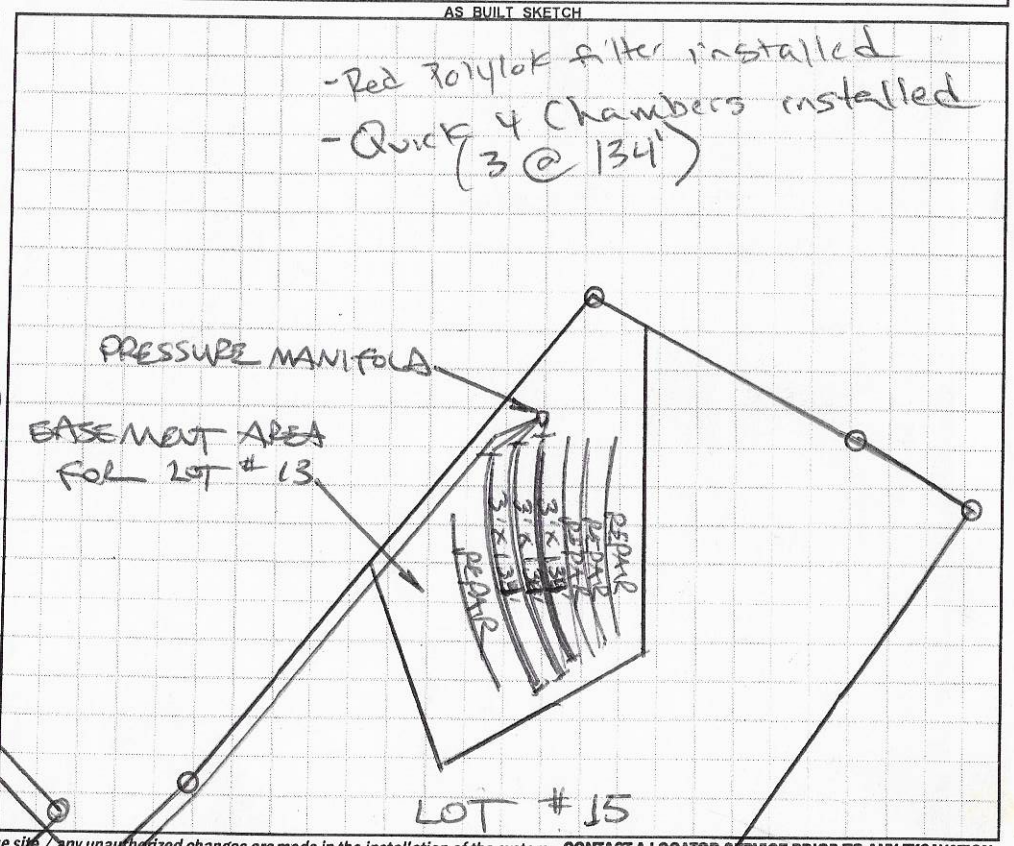
Comments / Conditions: ① REMOVE EXISTING FIELD TERRACES IN AREA OF DRAINFIELD ② INSTALL 25% REDUCTION SYSTEM ON CONTOUR ③ SEE ATTACHED SITE PLAN & PUMP SPECIFICATIONS PREPARED BY TONEY JACOBS ("FAST TRACK")

Off site septic is on Lot #15 / PIN # 4639-19-1027

INITIAL SITE SKETCH



AS BUILT SKETCH



Permit can be suspended or revoked if any false information is supplied toward securing the permit / any unauthorized changes are made to the site / any unauthorized changes are made in the installation of the system. **CONTACT A LOCATOR SERVICE PRIOR TO ANY EXCAVATION**

☐ **IMPROVEMENT PERMIT** *with plat* valid without expiration. ☑ **IMPROVEMENT PERMIT** *with site plan* valid for 60 mos. ☑ **AUTHORIZATION TO CONSTRUCT** valid for period equal to IMPROVEMENT PERMIT--not to exceed 60 mo.

Owner / Applicant Signature: Tony (Jacobs) Date: 1-4-15

IMPROVEMENT PERMIT by: R. STEVE HEDRICK Date: 1/4/13

AUTHORIZATION TO CONSTRUCT by: Justin Rhodes Date: 4-30-15

Installed by: A-1 Backhoe

OPERATION PERMIT by: Heath Snow (ad) Date: 9/16/15

Existing System Inspected by: Date:

Health Dept. Copy - WHITE Applicant (Final Approval) - YELLOW Applicant (Conditional Approval) - PINK

Bldg. C/O 10/2/15

	Date	Initials
Drain Lines Checked	8-26-15	JH
Tanks Checked	8-24-15	JH
Pressure Manifold or Valve Box Checked	8-26-15	JH
Pressure Head Set	8-27-15	JH
Electrical Checked		
Floats Set		
Alarm Checked		
Maintenance Contract Y / N	N/A	

CONNECTGIS WEB HOSTING

North Carolina **Iredell County**

Iredell
Printed February 10, 2020
See Below for Disclaimer



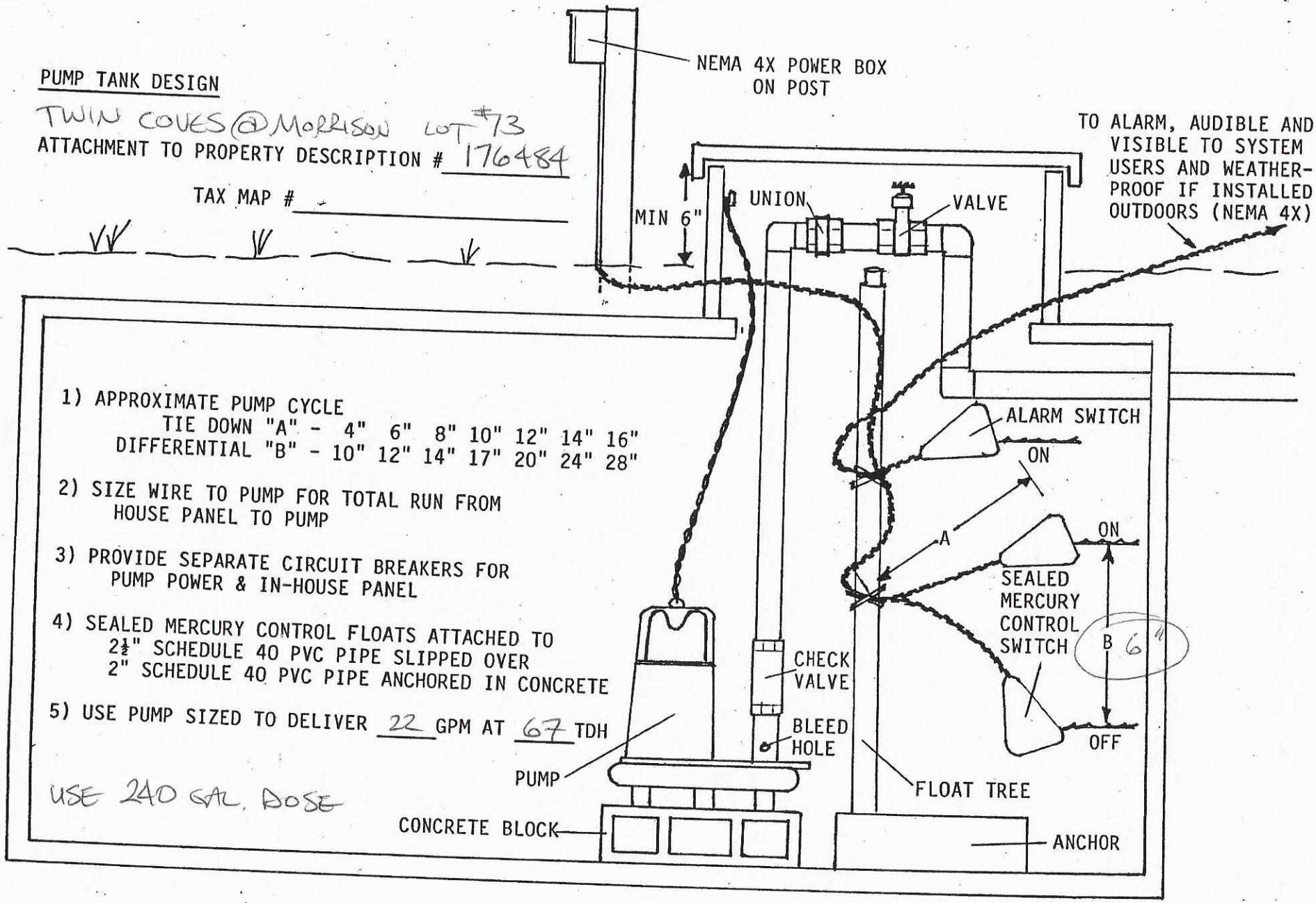
The maps prepared for this website are generated from recorded deeds, plats, and other public records. Users of these maps are hereby notified that the information provided herein should be verified. Iredell County assumes no legal responsibilities for any of the information contained on this site. Users are advised that the use of any of this information is at their own risk. All maps on this site were prepared using a 1000â€™ Grid based upon the North Carolina State Plane Coordinate System from the 1983 North American Datum. The delinquent real property tax overlay is updated monthly. The information presented is not intended to be used or relied upon as official notice of tax liens. For additional information regarding delinquent taxes, contact the Iredell County Tax Collector's Office.

PUMP TANK DESIGN

TWIN COVES @ MORRISON LOT #73

ATTACHMENT TO PROPERTY DESCRIPTION # 176484

TAX MAP # _____



1) APPROXIMATE PUMP CYCLE
   TIE DOWN "A" - 4" 6" 8" 10" 12" 14" 16"
   DIFFERENTIAL "B" - 10" 12" 14" 17" 20" 24" 28"

2) SIZE WIRE TO PUMP FOR TOTAL RUN FROM HOUSE PANEL TO PUMP

3) PROVIDE SEPARATE CIRCUIT BREAKERS FOR PUMP POWER & IN-HOUSE PANEL

4) SEALED MERCURY CONTROL FLOATS ATTACHED TO 2½" SCHEDULE 40 PVC PIPE SLIPPED OVER 2" SCHEDULE 40 PVC PIPE ANCHORED IN CONCRETE

5) USE PUMP SIZED TO DELIVER 22 GPM AT 67 TDH

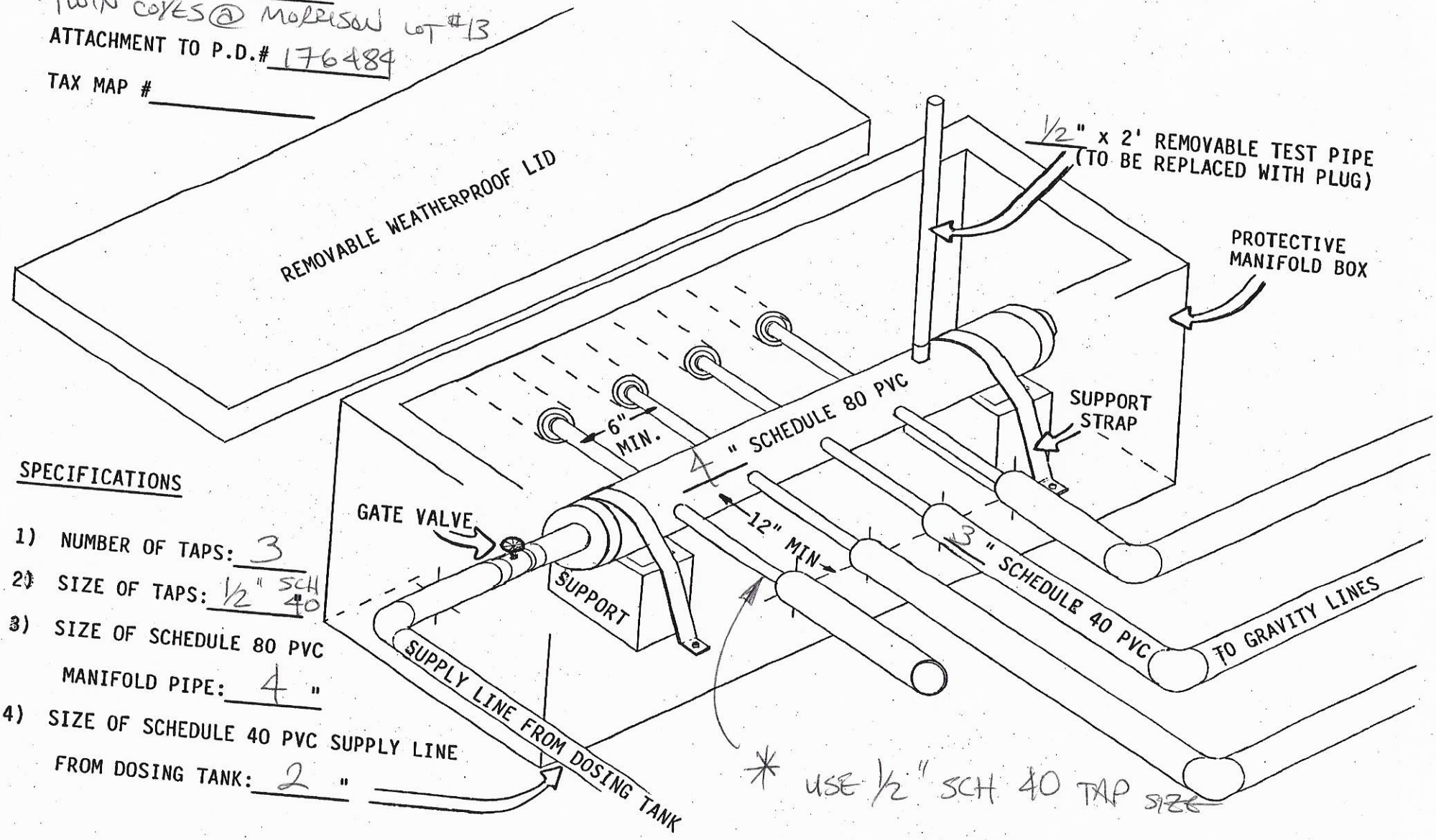
USE 240 GAL. DOSE

PRESSURE MANIFOLD DESIGN

TWIN COVES @ MORRISON LOT #13

ATTACHMENT TO P.D.# 176484

TAX MAP # _____



SPECIFICATIONS

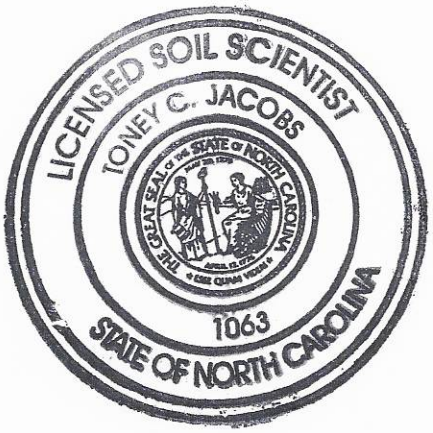
1) NUMBER OF TAPS: 3
2) SIZE OF TAPS: ½" SCH 40
3) SIZE OF SCHEDULE 80 PVC MANIFOLD PIPE: 4 "
4) SIZE OF SCHEDULE 40 PVC SUPPLY LINE FROM DOSING TANK: 2 "

FAST TRACK FOR A REMOTE DRAINFIELD
LOW PRESSURE MANIFOLD DISTRIBUTION TO 25% REDUCTION
SEPTIC SYSTEM
FOR
SUBSURFACE WASTEWATER DISPOSAL
Twin Cove at Morrison
Lot #13 – frontage: 6th lot on right on Apache Road
Troutman, North Carolina 28166

Prepared for:
Jim Davidson
Lake Norman Motorcoach
6738 E. NC Hwy 150
Sherrills Ford, North Carolina 28673
704 483-6033

Prepared by:
Jacobs On-Site Development, Inc.
168 Broadbill Drive
Mooresville, North Carolina 28117
office 704 662-9845
cell 704 582-9219
toneycjacobs@gmail.com

January 2, 2013



Toney C. Jacobs, LSS

Copy to: Steve Hedrick, REHS
Iredell County Environmental Health
Statesville, NC
704 902-4481

FAST TRACK PLAN - January 2, 2013
Twin Coves at Morrison – Lot 13

Number of Bedrooms	4
Basement or crawl	basement with plumbing
Design flow (gpd)	480
Septic tank	1500 gal.
Primary System LTAR (gpd/ft^2)	0.3
Primary system type	25% reduction
Pump tank	1500 gal.
Number of lines	3 @ 133.3' end fed
Total linear feet	400
Trench width	3' min. or equivalent
Trench spacing	9' min. on contour
Pump required	yes
Distribution device	pressure manifold, 3 ½" sch 40 PVC taps from a 4" manifold
Length and diameter of supply pipe	approx. 860' of 2" sch 40 PVC
Flow rate through the system	7.1 x 3 = 21.3 gpm
Elevation head	approx 47'
Pressure head	2.0'
Friction heal	7.0 + 1.4 = 8.4'
20% contingency	11.5'
Total head	68.9'
Pump requirements	21.3 gpm @ 68.9' of head with Gould WE15H pump (to be verified by installer)
Maximum dosing volume	240 gal – 2.0 doses/day @ design flow
Volume of water pumped per dose	calculated to specific tank by measure or dealer engineering specifications (1 cubic ft. of water equals 7.48 gal.)
Pump run per dose	approx. 11.3 min
Check valve	yes
Siphon break hole	no
Repair System	25% reduction
Total linear feet	400
Repair loading rate(gpd/ft^2)	0.3

see attached email
Change to 1000 gal tanks
by Tony Jacobs

Table: Summary of Primary and Repair Nitrification Line Specifications
Lot 13

Line No.	*Use*	*Line Color*	*System Type*	*Line Length(ft)*	*Elevation (ft)*
1	Repair	blue	25% reduction	100 end fed	816
2	Repair	white	25% reduction	100 end fed	
3	Repair	red	25% reduction	100 end fed	
4	System	blue	25% reduction	133.3	
5	System	pink	25% reduction	133.3	
6	System	white	25% reduction	133.3	
7	Repair	blue	25% reduction	100 end fed	
				Total system: 400'	
				Total repair: 400'	

Tank		1500 gal.	
Pump tank		1500 gal.	approx. 769'
House		right rear	approx. 774'

Manifold Information	
Tap size (inches)	½
Tap material	SCH 40 PVC
No. taps	3
Barrel size (inches)	4
Barrel Material	SCH 80 PVC
Flow (gpm) tap	7.1

Property ID# _____ **SOIL/SITE EVALUATION WORKSHEET** Sheet _____

County _____ Date evaluated 12/6/12

Owner/client _____

Proposed facility _____ Design flow _____ Site LTAR lnt._____ rep._____

Site location _____ Property size _____ Site classification_____

Soil described by _____ Others present _____

Antecedent moisture _____ Weather _____

Water supply: ( ) public ( ) community ( ) on-site well ( ) spring ( ) other Evaluation method: ( ) auger boring ( ) pit ( ) cut

Type of wastewater: ( ) sewage ( ) Industrial process ( ) mixed

PPROFILE #	LANDSCAPE/SLOPE	DEPTH INCHES	HORIZON	COLOR	MUNSELL	TEXTURE	STRUCTURE	CONSISTENCY MOIST	CONSISTENCY WET	MOTTLES	INCLUSIONS	INCLUSIONS	BOUNDARY	COMMENTS
Pit 1	LS NS SS	0-2 2-48	A/E B	d.br red		sl lic	g/m sbk m sbk	fri fm	vs np sp	few/com/dist				0.3
2	LS B	0-16	B	red	2.5YR 4/6	lscl/c	m sbk	fri	sss p/sp	240 yards of bottom NA on Lot 16				0.3
3	NLS	0-2 2-43 43-48	A B BC	red/br red red/grey		scl lic/scl scl	g m sbk m sbk	fri fm fm	ns np sss p/sp ns np	30-33 HWL ind				0.3
Pit 4		0-8 8-49	A/E B	br red		sl/scl l c/scl	g m m sbk	fri fri	ns np sp/fm	Sss x weakly Gr few BK	Comm Comm		20-30"	0.3
5	LS	0-2 2-48	A B	red/br red		scl lscl/lic	g m sbk	fri fri	fri sss p		Comm few/ v vf/med/lge			0.3

SOIL/SITE EVALUATION WORKSHEET

Property ID# _____ Sheet _____

County _____ Date evaluated _____

Owner/client _____ Site LTAR Int. _____ rep. _____

Proposed facility _____ Design flow _____ Site classification _____

Site location _____ Property size _____

Soil described by _____ Others present _____

Antecedent moisture _____ Weather _____

Water supply: ( ) public ( ) community ( ) on-site well ( ) spring ( ) other Evaluation method: ( ) auger boring ( ) pit ( ) cut

Type of wastewater: ( ) sewage ( ) industrial process ( ) mixed

PPROFILE #	LANDSCAPE/SLOPE	DEPTH INCHES	HORIZON	COLOR	MUNSELL	TEXTURE	STRUCTURE	CONSISTENCY MOIST	CONSISTENCY WET	MOTTLES	INCLUSIONS	INCLUSIONS	BOUNDARY	COMMENTS
6	L	0-6	A+E	bn		sl	g	fri	fri NS SP		mr frags			
	S	6-45	B	red		scl/lc	mm sbk	fri	ss sp to p					
	8	45-48+	BC	red		scl	gout	fri	NS NP	few gleyed	5% fgm			0.3
				cobble at 48"										
7	L	0-8	A+E	bn bn						few gleyed fgm	@ 42"+			
	S	8-48	B											
	8													0.3
8	L	0-41	B	red		c	mm sbk	fri	sp to ss sp		cfmm			
	S	41-48	BC	lt red		cl	vvf sbk	fri	ss sp					
	NR													
	20"													0.3
	7													
9	N	0-2	A+E	red bn		sl	g	fri	NS NP					
	L	2-40	B	red		lfsc	mm sbk	fri	ss-s sp		pellet c, cf mmc			X bdy
	S	40-48	BC	red		scl	vvf sbk	fri	ss p					
	5													0.3
10	L	0-2	A+E	dk bn		sl	gr	fri	NS NP					
	S	2-25	B	red		lic	mm sbk	fri	ss p		f gravel HC in			
	15	25-46	Bc	red/yel		cl	wf sbk	fi	ss sp					
	7													0.3

Property ID# _____

County _____

Owner/client _____

Proposed facility _____ Design flow _____

Site location _____ Property size _____

Soil described by _____ Others present _____

Antecedent moisture _____ Weather _____

Water supply: ( ) public ( ) community ( ) on-site well ( ) spring ( ) other

Type of wastewater: ( ) sewage ( ) industrial process ( ) mixed

SOIL/SITE EVALUATION WORKSHEET

Sheet _____

Date evaluated _____

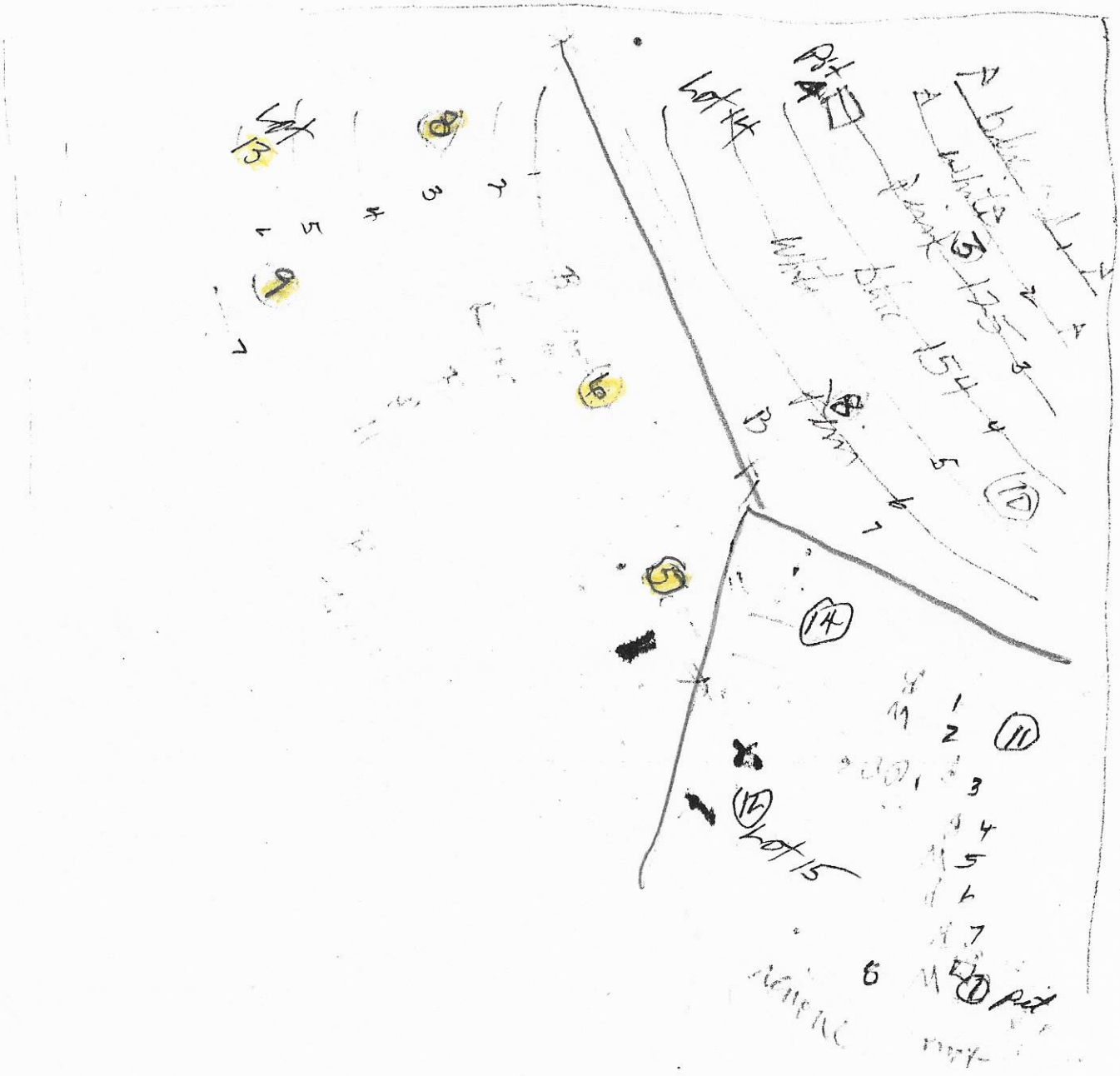
Site LTAR Int. _____ rep. _____

Site classification _____

Evaluation method: ( ) auger boring ( ) pit ( ) cut

PROFILE #	LANDSCAPE/SLOPE	DEPTH INCHES	HORIZON	COLOR	MUNSELL	TEXTURE	STRUCTURE	CONSISTENCY MOIST	CONSISTENCY WET	MOTTLES	INCLUSIONS	INCLUSIONS	BOUNDARY	COMMENTS
11	L	0-6	A1E	Bg		sl	g	fri	vSvNP		c gravel/frag			
	S	6-37	B	ncol		hcl	mgranular	fri	gp-Sg		11			
	B										Partial/frag at 37			D.3
12	L	0-4	A1E	ncol/bg		sl/scl	g	fri	NvSNP		c HRT			
	S	4-42	B	ncol		c	mgranular	fri	sp-Sg					
	B	42-47	Bt	ncol/yel		cl	wk "	"	"					
	B	47-49	C								Weathered			D.3
14	L	0-3	A1E	ncol/bn		scl								
	S	3-39	B	ncol		c								
	B	39-48	Bt	ncol		hcl				yel br mott				D.3

Soil Pit Locations



Justin Henderson

From: Toney Jacobs <toneycjacobs@gmail.com>
Sent: Monday, August 3, 2015 9:16 PM
To: Justin Henderson; travisfosterinc@gmail.com

Please except this as a modification to Twin Coves on Morrison - Lot 13. The septic and pump tank for a 4 bedroom system can be 1000 gal. rather than the 1500 gal. previously specified.

Toney C. Jacobs, LSS
Jacobs On-Site Development, Inc.
168 Broadbill Drive
Mooresville NC 28117
704 662 9845
704 582 9219

IREDELL COUNTY HEALTH DEPARTMENT
ENVIRONMENTAL HEALTH DIVISION
Application for IMPROVEMENT PERMIT , AUTHORIZATION TO CONSTRUCT, or EXISTING SYSTEM INSPECTION

(THE ABOVE PERMIT DOCUMENTS WILL BECOME INVALID IF INFORMATION PROVIDED ON THIS APPLICATION IS FALSIFIED OR CHANGED, OR IF THE SITE IS ALTERED. THE IMPROVEMENT PERMIT IS VALID FOR EITHER 60 MONTHS OR WITHOUT EXPIRATION DEPENDING UPON DOCUMENTATION SUBMITTED - APPLICATION WITH SITE PLAN 60 MONTHS, APPLICATION WITH COMPLETE, SCALED PLAT WITHOUT EXPIRATION. SEE 15A NCAC 18A .1937(f) FOR DETAILS)

1. APPLICATION FOR: ✓ Improvement Permit ___ Authorization To Construct ___ BOTH ___ Existing System Inspection

2. Page 2: *Site Plan Worksheet* Form MUST Accompany This Application
The following optional attachments may also be submitted: ___ Survey Plat, Scaled no more than 1 Inch = 60 Feet
Place check ( ) beside whichever is submitted if applicable ___ Custom Site Plan, Scaled no more than 1 Inch = 60 Feet

3. Applicant Information:

Applicant Name	Mailing Address	Home Phone #	Alternate Phone #
Lake Norman Motor Coach	6738 E NC Hwy 150 Sherrill's Ford NC 28673	704 483-6033	
Owner Name	Mailing Address	Home Phone #	Alternate Phone #
"	"	"	

4. Property Information:

Street Address	Subdivision Name	Section/Phase and Lot Number
200 Apache Rd	Twin Cove at Morrison	Lot 13

Driving Directions: South on Hwy 21, S on State Park Rd, S on Morrison Farm Rd, Lft on Apache, lot on right (Lot 13)

5. RESIDENTIAL Site Development Information: *(Check or Complete ALL that apply)*

(✓) New, Single Family Residence
( ) New, Multi-Family Residence
( ) Expansion of Existing Septic System
( ) Repair To Failing Septic System due to ___
( ) Other ___

Maximum Number of Bedrooms 4
Maximum Number of Occupants 8
If Expansion, Current Number of Bedrooms ___

( ) Crawl Space Foundation?
( ) Concrete Slab Foundation?
(X) Basement w/Plumbing?
( ) Basement w/out Plumbing?

IF Non- Residential Site Development:
Type of Business ___
Square Footage of Building ___
Maximum Number of Employees ___
Maximum Number of Seats ___

6. Proposed Water Supply:

(X) New Well ( ) Existing Well ( ) Community Well ( ) City Water ( ) Other Public Water

7. Desired Septic System Type: *(You may rank in order of preference, if any)* ( ) Existing system--installed in ___ *YEAR*

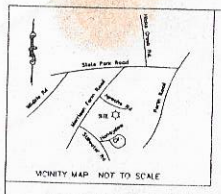
( ) Alternative ( ) Conventional ( ) Innovative ( ) Modified Conventional (X) Other accepted ( ) No Preference

8. Please Answer The Following To The Best of Your Ability:

( ) Yes (X) No Does the site contain any jurisdictional wetlands?
( ) Yes (X) No Is any non-domestic sewage (i.e. industry) to be generated?
( ) Yes (X) No Is the site subject to approval by any other public agency?

I have read this application and certify that the information provided herein is true, complete, and correct. Authorized county and state officials are granted right of entry to conduct necessary inspections to determine compliance with applicable laws and rules. I understand that I am solely responsible for the proper identification and labeling of all property lines and corners and making the site accessible so that a complete site evaluation can be performed.

9. Signature: Tony C Yates — 1-2-13
Property owner or owner's legal representative signature (SIGNATURE REQUIRED) — DATE



VICINITY MAP NOT TO SCALE

This plat is exempt fro the subdivision regulations of the Unified Development Ordinance of The Town of Troutman pursant to NCGS 160A-376. No approval required.

10-29-13
Date

Subdivision Administrator

I Joel H. Patterson III, certify that this plat was drawn under my supervision from an actual survey made under my supervision (deed description and/or Map Book 60, Page 89) That the boundaries not surveyed are clearly indicated as drawn from information as shown on survey; that the ratio of precision as calculated is 1: 10,000+ that this plat was prepared in accordance with G.S. 89-C as amended. Witness my original signature, registration number and seal this 23rd day of OCTOBER, A.D. 2013.

SEAL L-3717 JOEL H. PATTERSON III, PLS LICENSE NUMBER: L-3717

Doc ID: 014565150001 Type: CRP
Recorded: 10/30/2013 at 03:34:10 PM
Fee Amt: $21.00 Page 1 of 1
Iredell County, NC
Matthew J. McCall Register of Deeds
BK 61 PG 45

State of North Carolina, County of Iredell

I, Erika G. Martin, Review Officer of Iredell County, certify that the map or plat to which this certification is affixed meets all statutory requirements for recording.

Review Officer

10-29-13
Date

I hereby certify that I am the owner of the property shown and described hereon, which is located in the subdivision jurisdiction of the Town of Troutman and that I hereby adopt this plan of subdivision with my free consent and establish minimum lot size and building setback lines as noted.

Jim Davidson
Member/Manger of
LAKE NORMAN MOTOR COACH RESORT, LLC

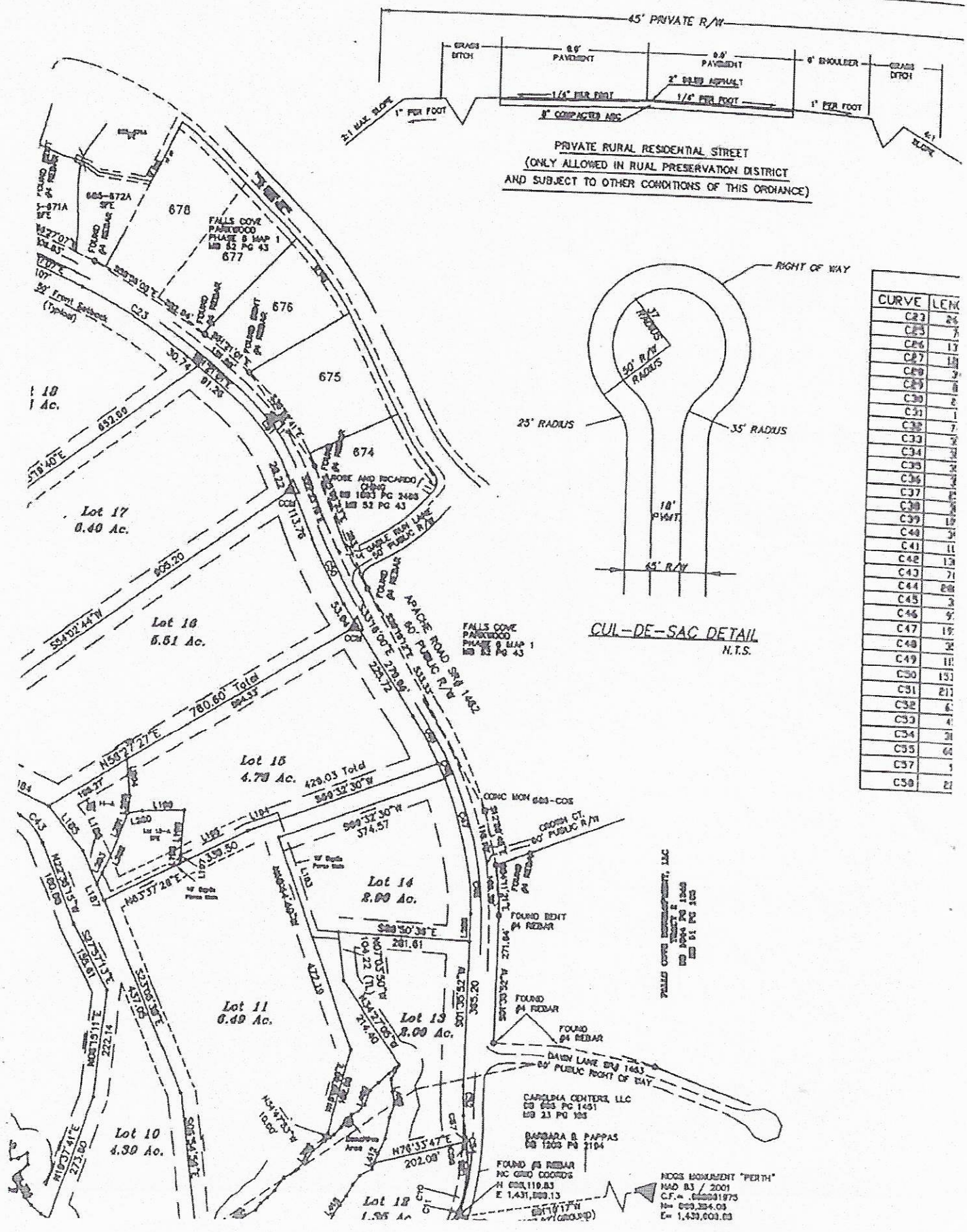
10-29-13
Date

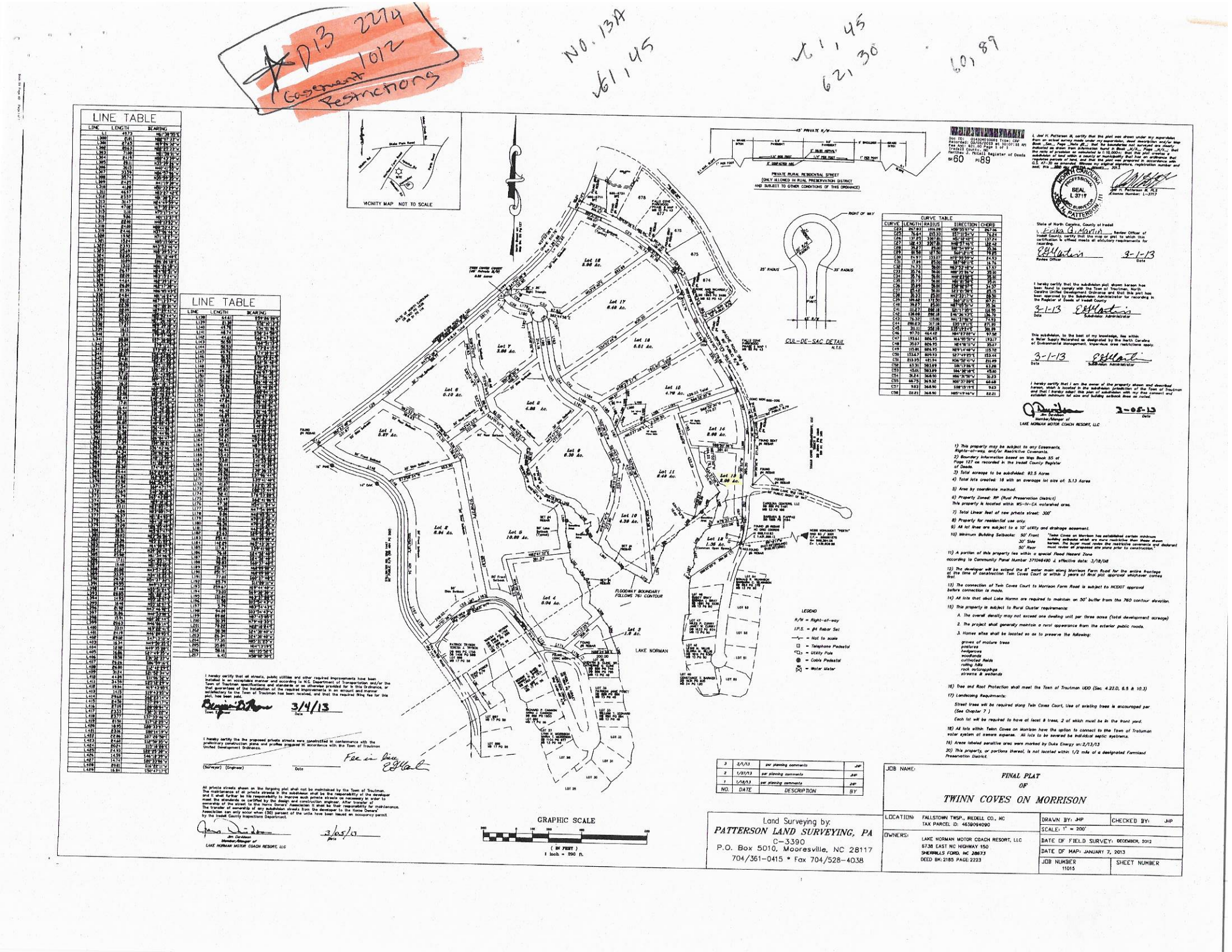
FORCE MAIN EASEMENT

LINE TABLE		
LINE	LENGTH	BEARING
L1	15.94	S 41°19'01" E
L2	21.34	S 39°11'59" E
L3	21.34	S 39°11'59" E
L4	8.64	S 39°11'59" E
L5	15.46	S 39°11'59" E
L6	15.46	S 39°11'59" E
L7	15.46	S 39°11'59" E
L8	16.09	S 39°11'59" E
L9	15.24	S 39°11'59" E
L10	57.86	S 39°11'59" E
L11	57.86	S 39°11'59" E
L12	57.86	S 39°11'59" E
L13	15.24	S 39°11'59" E
L14	8.64	S 39°11'59" E
L15	15.46	S 39°11'59" E
L16	15.46	S 39°11'59" E
L17	15.46	S 39°11'59" E
L18	16.09	S 39°11'59" E
L19	15.24	S 39°11'59" E
L20	57.86	S 39°11'59" E
L21	57.86	S 39°11'59" E
L22	57.86	S 39°11'59" E
L23	15.24	S 39°11'59" E
L24	8.64	S 39°11'59" E
L25	15.46	S 39°11'59" E
L26	15.46	S 39°11'59" E
L27	15.46	S 39°11'59" E
L28	16.09	S 39°11'59" E
L29	15.24	S 39°11'59" E
L30	57.86	S 39°11'59" E
L31	57.86	S 39°11'59" E
L32	57.86	S 39°11'59" E
L33	15.24	S 39°11'59" E
L34	8.64	S 39°11'59" E
L35	15.46	S 39°11'59" E
L36	15.46	S 39°11'59" E
L37	15.46	S 39°11'59" E
L38	16.09	S 39°11'59" E
L39	15.24	S 39°11'59" E
L40	57.86	S 39°11'59" E
L41	57.86	S 39°11'59" E
L42	57.86	S 39°11'59" E
L43	15.24	S 39°11'59" E
L44	8.64	S 39°11'59" E
L45	15.46	S 39°11'59" E
L46	15.46	S 39°11'59" E
L47	15.46	S 39°11'59" E
L48	16.09	S 39°11'59" E
L49	15.24	S 39°11'59" E
L50	57.86	S 39°11'59" E
L51	57.86	S 39°11'59" E
L52	57.86	S 39°11'59" E
L53	15.24	S 39°11'59" E
L54	8.64	S 39°11'59" E
L55	15.46	S 39°11'59" E
L56	15.46	S 39°11'59" E
L57	15.46	S 39°11'59" E
L58	16.09	S 39°11'59" E
L59	15.24	S 39°11'59" E
L60	57.86	S 39°11'59" E
L61	57.86	S 39°11'59" E
L62	57.86	S 39°11'59" E
L63	15.24	S 39°11'59" E
L64	8.64	S 39°11'59" E
L65	15.46	S 39°11'59" E
L66	15.46	S 39°11'59" E
L67	15.46	S 39°11'59" E
L68	16.09	S 39°11'59" E
L69	15.24	S 39°11'59" E
L70	57.86	S 39°11'59" E
L71	57.86	S 39°11'59" E
L72	57.86	S 39°11'59" E
L73	15.24	S 39°11'59" E
L74	8.64	S 39°11'59" E
L75	15.46	S 39°11'59" E
L76	15.46	S 39°11'59" E
L77	15.46	S 39°11'59" E
L78	16.09	S 39°11'59" E
L79	15.24	S 39°11'59" E
L80	57.86	S 39°11'59" E
L81	57.86	S 39°11'59" E
L82	57.86	S 39°11'59" E
L83	15.24	S 39°11'59" E
L84	8.64	S 39°11'59" E
L85	15.46	S 39°11'59" E
L86	15.46	S 39°11'59" E
L87	15.46	S 39°11'59" E
L88	16.09	S 39°11'59" E
L89	15.24	S 39°11'59" E
L90	57.86	S 39°11'59" E
L91	57.86	S 39°11'59" E
L92	57.86	S 39°11'59" E
L93	15.24	S 39°11'59" E
L94	8.64	S 39°11'59" E
L95	15.46	S 39°11'59" E
L96	15.46	S 39°11'59" E
L97	15.46	S 39°11'59" E
L98	16.09	S 39°11'59" E
L99	15.24	S 39°11'59" E
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L103	15.24	S 39°11'59" E
L104	8.64	S 39°11'59" E
L105	15.46	S 39°11'59" E
L106	15.46	S 39°11'59" E
L107	15.46	S 39°11'59" E
L108	16.09	S 39°11'59" E
L109	15.24	S 39°11'59" E
L110	57.86	S 39°11'59" E
L111	57.86	S 39°11'59" E
L112	57.86	S 39°11'59" E
L113	15.24	S 39°11'59" E
L114	8.64	S 39°11'59" E
L115	15.46	S 39°11'59" E
L116	15.46	S 39°11'59" E
L117	15.46	S 39°11'59" E
L118	16.09	S 39°11'59" E
L119	15.24	S 39°11'59" E
L120	57.86	S 39°11'59" E
L121	57.86	S 39°11'59" E
L122	57.86	S 39°11'59" E
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L125	15.46	S 39°11'59" E
L126	15.46	S 39°11'59" E
L127	15.46	S 39°11'59" E
L128	16.09	S 39°11'59" E
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L131	57.86	S 39°11'59" E
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L136	15.46	S 39°11'59" E
L137	15.46	S 39°11'59" E
L138	16.09	S 39°11'59" E
L139	15.24	S 39°11'59" E
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L141	57.86	S 39°11'59" E
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L143	15.24	S 39°11'59" E
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L146	15.46	S 39°11'59" E
L147	15.46	S 39°11'59" E
L148	16.09	S 39°11'59" E
L149	15.24	S 39°11'59" E
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L151	57.86	S 39°11'59" E
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L156	15.46	S 39°11'59" E
L157	15.46	S 39°11'59" E
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L166	15.46	S 39°11'59" E
L167	15.46	S 39°11'59" E
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L169	15.24	S 39°11'59" E
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L175	15.46	S 39°11'59" E
L176	15.46	S 39°11'59" E
L177	15.46	S 39°11'59" E
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L187	15.46	S 39°11'59" E
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L235	15.46	S 39°11'59" E
L236	15.46	S 39°11'59" E
L237	15.46	S 39°11'59" E
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L246	15.46	S 39°11'59" E
L247	15.46	S 39°11'59" E
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L256	15.46	S 39°11'59" E
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L266	15.46	S 39°11'59" E
L267	15.46	S 39°11'59" E
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L527	15.46	S 39°11'59" E
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L535	15.46	S 39°11'59" E
L536	15.46	S 39°11'59" E
L537	15.46	S 39°11'59" E
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L545	15.46	S 39°11'59" E
L546	15.46	S 39°11'59" E
L547	15.46	S 39°11'59" E
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L558	16.09	S 39°11'59" E
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L560	57.86	S 39°11'59" E
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L562	57.86	S 39°11'59" E
L563	15.24	S 39°11'59" E
L564	8.64	S 39°11'59" E
L565	15.46	S 39°11'59" E
L566	15.46	S 39°11'59" E
L567	15.46	S 39°11'59" E
L568	16.09	S 39°11'59" E
L569	15.24	S 39°11'59" E
L570	57.86	S 39°11'59" E
L571	57.86	S 39°11'59" E
L572	57.86	S 39°11'59" E
L573	15.24	S 39°11'59" E
L574	8.64	S 39°11'59" E
L575	15.46	S 39°11'59" E
L576	15.46	S 39°11'59" E
L577	15.46	S 39°11'59" E
L578	16.09	S 39°11'59" E
L579	15.24	S 39°11'59" E
L580	57.86	S 39°11'59" E
L581	57.86	S 39°11'59" E
L582	57.86	S 39°11'59" E
L583	15.24	S 39°11'59" E
L584	8.64	S 39°11'59" E
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L612	57.86	S 39°11'59" E
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L617	15.46	S 39°11'59" E
L618	16.09	S 39°11'59" E
L619	15.24	S 39°11'59" E
L620	57.86	S 39°11'59" E
L621	57.86	S 39°11'59" E
L622	57.86	S 39°11'59" E
L623	15.24	S 39°11'59" E
L624	8.64	S 39°11'59" E
L625	15.46	S 39°11'59" E
L626	15.46	S 39°11'59" E
L627	15.46	S 39°11'59" E
L628	16.09	S 39°11'59" E
L629	15.24	S 39°11'59" E
L630	57.86	S 39°11'59" E
L631	57.86	S 39°11'59" E
L632	57.86	S 39°11'59" E
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L636	15.46	S 39°11'59" E
L637	15.46	S 39°11'59" E
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L646	15.46	S 39°11'59" E
L647	15.46	S 39°11'59" E
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L667	15.46	S 39°11'59" E
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L671	57.86	S 39°11'59" E
L672	57.86	S 39°11'59" E
L673	15.24	S 39°11'59" E
L674	8.64	S 39°11'59" E
L675	15.46	S 39°11'59" E
L676	15.46	S 39°11'59" E
L677	15.46	S 39°11'59" E
L678	16.09	S 39°11'59" E
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L682	57.86	S 39°11'59" E
L683	15.24	S 39°11'59" E
L684	8.64	S 39°11'59" E
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L687	15.46	S 39°11'59" E
L688	16.09	S 39°11'59" E
L689	15.24	S 39°11'59" E
L690	57.86	S 39°11'59" E
L691	57.86	S 39°11'59" E
L692	57.86	S 39°11'

13-A SPE

Plat Book 60, 89


45' PRIVATE R/W
GRASS DITCH
8.0' PAVEMENT
8.0' PAVEMENT
6' SHOULDER
GRASS DITCH
2" SLOPE ASPHALT
1/4" PER FOOT
1/4" PER FOOT
1" PER FOOT
1" PER FOOT
8" COMPACTED AGG.
2:1 MAX. SLOPE
4:1 SLOPE
PRIVATE RURAL RESIDENTIAL STREET
(ONLY ALLOWED IN RUAL PRESERVATION DISTRICT
AND SUBJECT TO OTHER CONDITIONS OF THIS ORDIANCE)
RIGHT OF WAY
47' RADIUS
50' R/W RADIUS
23' RADIUS
35' RADIUS
18' PVMT
45' R/W
CUL-DE-SAC DETAIL
N.T.S.
678
677
676
675
674
FALLS COVE PARKWOOD PHASE 8 MAP 1 MB 52 PG 43
Lot 17 0.40 Ac.
Lot 16 5.61 Ac.
Lot 15 4.70 Ac.
Lot 14 8.00 Ac.
Lot 13 8.00 Ac.
Lot 11 6.49 Ac.
Lot 10 4.30 Ac.
Lot 12
APACHE ROAD SR# 1462
60' PUBLIC R/W
MAPLE RUN LANE
60' PUBLIC R/W
GEORGIA CT.
60' PUBLIC R/W
DAWN LANE SR# 1443
60' PUBLIC RIGHT OF WAY
CAROLINA CENTERS, LLC
DB 695 PG 1451
MB 23 PG 105
BARBARA B. PAPPAS
DB 1203 PG 2104
FOUND #8 REBAR
NC GRID COORDS
N 699,110.83
E 1,431,888.13
NCGS MONUMENT "PERTH"
NAD 83 / 2001
C.F.= .000081975
N= 699,324.03
E= 1,433,003.03
780.60' Total
426.03 Told
354.57
N59°27'27"E
S59°32'30"W
S30°27'30"E
N30°27'30"W
S59°32'30"W
374.57
S88°50'38"E
281.61
N76°35'47"E
202.08'
S30°27'30"E
652.80
S19°40'E
S34°02'44"W
605.20
S33°18'00"E
278.86'
225.72
S33°37'
113.76
N30°27'30"W
180.00
S07°57'13"E
156.61
S33°58'30"E
457.05
N08°15'11"E
222.14
N13°37'41"E
273.80
S05°54'36"E
N34°47'30"W
10.00
S07°05'50"W
104.22 (T)
N34°27'05"E
214.40
S33°58'30"E
422.19
N30°27'30"W
N59°32'30"E
N30°27'30"W
N59°32'30"E
N30°27'30"W
N59°32'30"E



I hereby certify that all streets, public utilities and other required improvements have been installed in an acceptable manner and according to N.C. Department of Transportation and/or the Town of Troutman specifications and standards or an otherwise provided for in this Ordinance, or that guarantees of the installation of the required improvements in an amount and manner satisfactory to the Town of Troutman has been received, and that the required filing fee for this plat, has been paid.

Town Engineer — Date 3/4/13

I hereby certify the the proposed private streets were constructed in conformance with the preliminary construction plans and profiles prepared in accordance with the Town of Troutman Unified Development Ordinances.

(Surveyor) (Engineer) — Date

All private streets shown on the forgoing plat shall not be maintained by the Town of Troutman. The maintenance of all private streets in the subdivision shall be the responsibility of the developer and it shall further be the responsibility to improve such private streets as necessary in order to meet the standards as certified by the design and construction engineer. After transfer of ownership of the street to the Home Owners' Association it shall be their responsibility for maintenance. The transfer of ownership of any subdivision streets from the developer to the Home Owners' Association can only occur when (90) percent of the units have been issued an occupancy permit by the Iredell County Inspections Department.

Jim Davidson
Member/Manager of
LAKE NORMAN MOTOR COACH RESORT, LLC
3/05/13 Date

NO.	DATE	DESCRIPTION	BY
3	3/1/13	per planning comments	JHP
2	1/21/13	per planning comments	JHP
1	1/10/13	per planning comments	JHP

Land Surveying by:
PATTERSON LAND SURVEYING, PA
C-3390
P.O. Box 5010, Mooresville, NC 28117
704/361-0415 * Fax 704/528-4038

JOB NAME:

FINAL PLAT
OF
TWINN COVES ON MORRISON

LOCATION: FALLSTOWN TWSP., IREDELL CO., NC
TAX PARCEL ID: 4639094090

OWNERS: LAKE NORMAN MOTOR COACH RESORT, LLC
573B EAST NC HIGHWAY 150
SHERRILLS FORD, NC 28673
DEED BK: 2185 PAGE: 2223

DRAWN BY: JHP | CHECKED BY: JHP
SCALE: 1" = 200'
DATE OF FIELD SURVEY: DECEMBER, 2012
DATE OF MAP: JANUARY 7, 2013
JOB NUMBER 11015 | SHEET NUMBER

I, Joel H. Patterson III, certify that this plat was drawn under my supervision from an actual survey made under my supervision, deed description and/or Map Book ___Sec.__ Page ___Note #___ that the boundaries not surveyed are clearly indicated as drawn from information found in Book ___N/A___ Page ___N/A___ that the ratio of precision as calculated is 1:10,000+; that this plat creates a subdivision of land within a county or municipality that has an ordinance that regulates parcels of land and that this plat was prepared in accordance with G.S. 47-30 as amended. Witness my original signature, registration number and seal, this 3rd day of January, 2013.

Joel H. Patterson III, PLS
License Number: L-3717

SEAL L-3717 JOEL H. PATTERSON III

State of North Carolina, County of Iredell

I Erika G. Martin, Review Officer of Iredell County certify that the map or plat to which this certification is affixed meets all statutory requirements for recording.

Review Officer — 3-1-13 Date

I hereby certify that the subdivision plat shown hereon has been found to comply with the Town of Troutman, North Carolina Unified Development Ordinance and that this plat has been approved by the Subdivision Administrator for recording in the Register of Deeds of Iredell County

3-1-13 Date — Subdivision Administrator

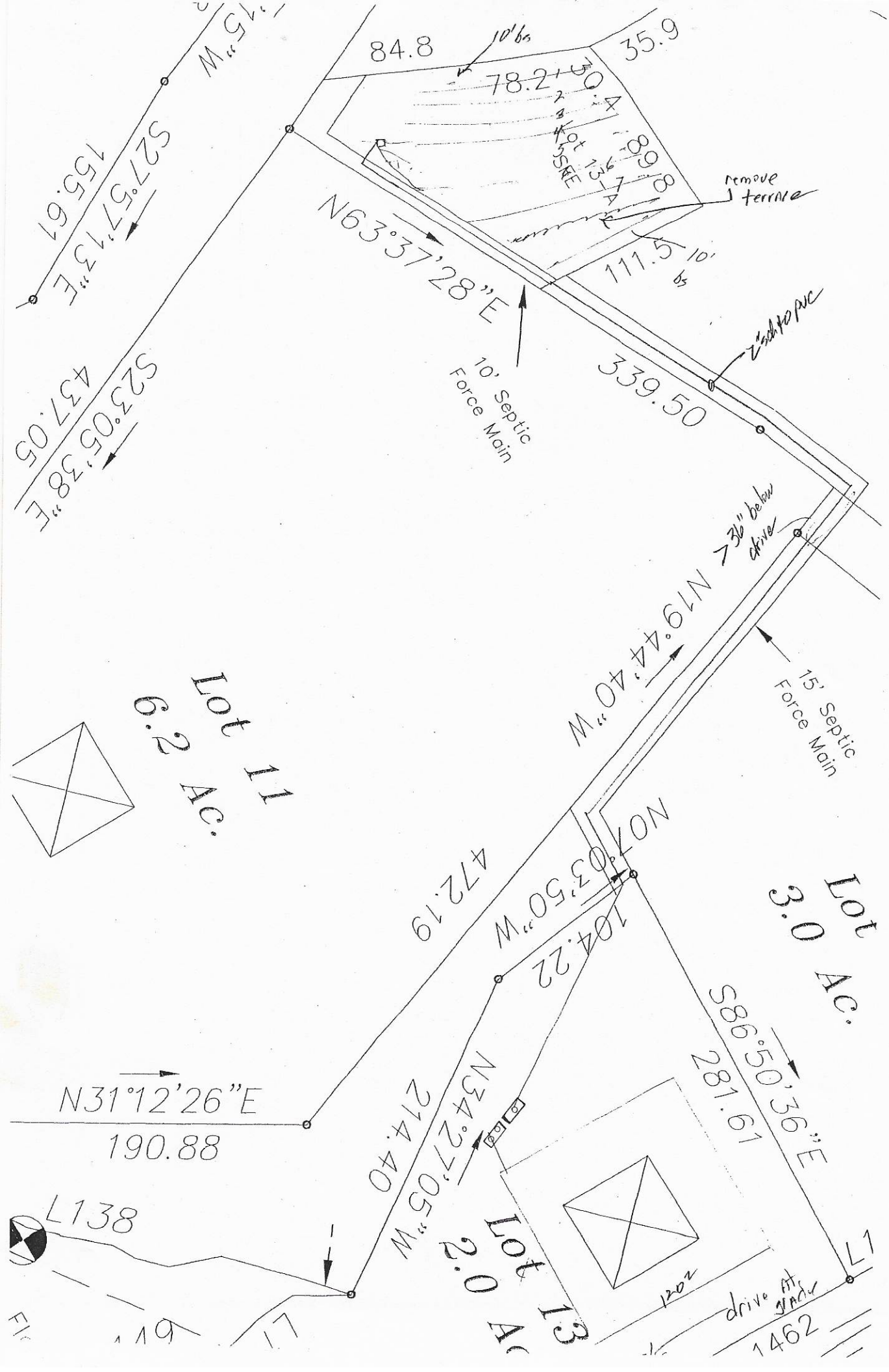
This subdivision, to the best of my knowledge, has within a Water Supply Watershed as designated by the North Carolina of Environmental Management, impervious area restrictions apply.

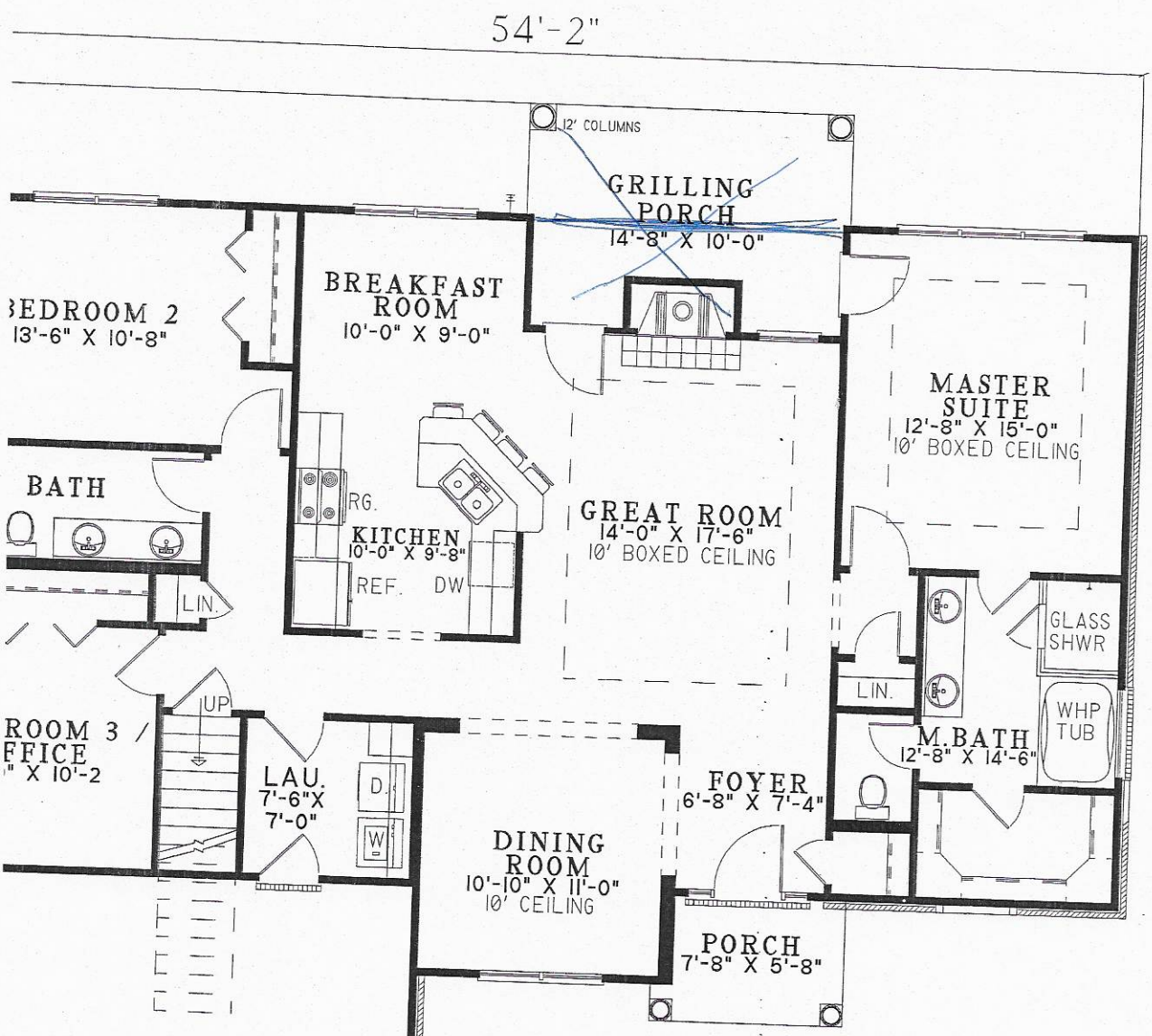
3-1-13 Date — Subdivision Administrator

I hereby certify that I am the owner of the property shown and described hereon, which is located in the subdivision jurisdiction of the Town of Troutman and that I hereby adopt the plan of subdivision with my free consent and establish minimum building lines and building setback lines as noted.

Jim Davidson
Member/Manager of
LAKE NORMAN MOTOR COACH RESORT, LLC
3-05-13 Date

1) This property may be subject to any Easements, Rights-of-way, and/or Restrictive Covenants.
2) Boundary information based on Map Book 55 at Page 127 as recorded in the Iredell County Register of Deeds.
3) Total acreage to be subdivided: 92.5 Acres
4) Total lots created: 18 with an average lot size of: 5.13 Acres
5) Area by coordinate method.
6) Property Zoned: RP (Rural Preservation District)
This property is located within WS-IV-CA watershed area.
7) Total Linear feet of new private street: 300'
8) Property for residential use only.
9) All lot lines are subject to a 10' utility and drainage easement.
10) Minimum Building Setbacks: 50' Front, 30' Side, 50' Rear. "Twinn Coves on Morrison has established certain minimum building setbacks which are more restrictive than those shown hereon. The buyer of each lot must review the restrictive covenants and easement locations and must provide site plans prior to construction."
11) A portion of this property lies within a special Flood Hazard Zone according to Community Panel Number 3710464O & effective date: 3/18/08
12) The developer will be extend the 8" water main along Morrison Farm Road for the entire frontage at the time of construction Twin Coves Court or within 2 years of final plat approval whichever comes first.
13) The connection of Twin Coves Court to Morrison Farm Road is subject to NCDOT approval before connection is made.
14) All lots that abut Lake Norman are required to maintain an 50' buffer from the 760 contour elevation.
15) This property is subject to Rural Cluster requirements:
A. The overall density may not exceed one dwelling unit per three acres (total development acreage)
2. The project shall generally maintain a rural appearance from the exterior public roads.
3. Homes sites shall be located so as to preserve the following:
grove of mature trees
pastures
hedgerows
woodlands
cultivated fields
rolling hills
rock outcroppings
streams & wetlands
16) Tree and Root Protection shall meet the Town of Troutman UDO (Sec. 4.22.D, 6.5 & 10.3)
17) Landscaping Requirements:
Street trees will be required along Twin Coves Court, Use of existing trees is encouraged per (See Chapter 7)
Each lot will be required to have at least 8 trees, 2 of which must be in the front yard.
18) All lots within Twinn Coves on Morrison have the option to connect to the Town of Troutman water system at owners expense. All lots to be severed be individual septic systems.
19) Areas identified sensitive area were marked by Duke Energy on: 2/13/13
20) This property, or portions thereof, is not located within 1/2 mile of a designated Farmland Preservation District.


84.8
10' bs
35.9
78.2
remove terrace
111.5
10' bs
N63°37'28"E
10' Septic Force Main
339.50
asphalt
S27°57'13"E
155.61
S23°05'38"E
437.05
N19°44'40"W
36" below drive
15' Septic Force Main
Lot 11
6.2 Ac.
N07°03'50"W
472.19
104.22
Lot 12
3.0 Ac.
S86°50'36"E
281.61
N31°12'26"E
190.88
N34°27'05"W
214.40
L138
L7
drive at grade
1462



Main Floor

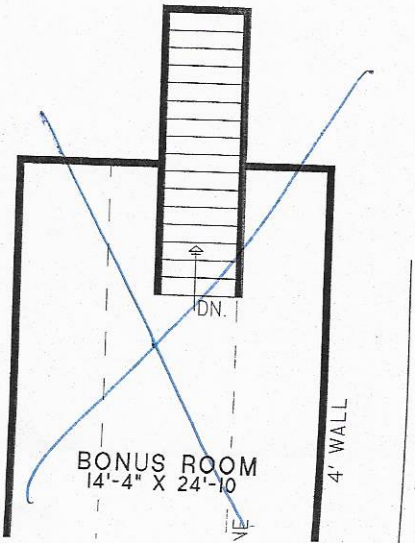
IF THIS STAMP IS NOT RED
IT IS AN ILLEGAL SET OF PLANS
REPRODUCTION OF THESE PLANS BY ANY MEANS IS PROHIBITED BY FEDERAL LAW. VIOLATIONS ARE PUNISHABLE BY FINES UP TO $150,000 PER OFFENSE. CALL THE DESIGNER TO OBTAIN LEGAL COPIES OF THIS PLAN.
Nelson Design Group, LLC
Member A.I.B.D. - C.P.B.D.

Acknowledgement Of
Plans Submittal ONLY!

Date 4-30-15

Just Reviewed Date 4-30-15

ON WalkOut Basement (unfinished)



Old #
176489

IREDELL COUNTY

PO Box 788
349 North Center St.
Statesville, NC 28677

704-902-4015

APPLICATION NUMBER

209358

Issue Date: 03/30/2015

Permit Type: BUILDING-SINGLE FAMILY

Parcel Number	Street Address
4639184448.000	200 APACHE ROAD
Zone Code	**Jurisdicton**
RP	TROUTMAN

Owner Information	Applicant Information
Name: LAKE NORMAN MOTOR COACH RESORT LLC Phone:	Name: COPPER CONSTRUCTION & Phone: 704-929-2236

Contractor Information

Name: COPPER CONSTRUCTION & CONTRACTING LLC
Address: 125 TRADE COURT
Phone: 704-929-2236

License Type	License Number
BLDG	74151-L

Building Information

Proposed Use: R-3 RESIDENTIAL
Construction Type: 5B
Number of Stories:
Estimated Cost of Construction: $ 230,425

Heated Sq. Ft: 1,629
Unheated Sq. Ft: 2,221
Gross Sq. Ft: 3,850

Permit Details:

BLANKET BUILDING	Amount:	1,566.89
RECOVERY FEE	Amount:	10.00
TECHNOLOGY FEE	Amount:	47.31
	Amount:	
	Amount:	
	Amount:	
	Amount:	

Project Description: NEW SINGLE FAMILY - TROUTMAN
Scope of Work:
SFR

I hereby certify that all information in this application is correct and all work will comply with the state code and all other applicable state and local laws, ordinances and regulations. The respective department will be notified of any changes in the approved plans, a change of contractor, and/or specifications for the project permitted herein. This application becomes a permit only when validated and approved.

Signature of Owner/Contractor

Date: 03/30/2015

ANY PERMIT ISSUED EXPIRES SIX (6) MONTHS AFTER ISSUANCE IF NO INSPECTIONS HAVE BEEN MADE. ANY PERMIT ISSUED SHALL EXPIRE TWELVE (12) MONTHS AFTER LAST INSPECTION IF THE WORK IS DISCONTINUED.

Permit Number	34614	TOTAL FEES:	$ 1,624.20

Iredell County
Planning & Enforcement
349 N. Center St. PO Box 788
Statesville, NC 28687
704-878-3113

Zoning Permit

Permit Number: 176484ZO

Printed: 1/3/2013

Master #: 176484

Associated Permits:
176484ZO Zoning

Applicant

Name: Toney Jacobs & Associates, Inc (Toney Ja **Phone:** 704-663-6905
Address: 168 Broadbill Drive
Mooresville, NC 28117

Parcel

Parcel Number: 4639094090.013
Address: 000 ~~MORRISON FARM RD~~ Apache St **Zoning:**
TROUTMAN, NC 28166 **Township:** 1500
Subdivision: Twin COVES **Area:**
Lot(s): 13
Directions to Parcel: HWY 21 SOUTH, RIGHT STATE PARK , LEFT MORISON FARM , LEFT APACHE, PROPERTY ON RIGHT

Owners

Name: LAKE NORMAN MOTOR COACH RESORT
Address:

Contractors

Contractor Type: Special (Consulting Soil Scienti
Name: Toney Jacobs & Associates, Inc (Toney Jacob **Phone:** 704-663-6905
Address: 168 Broadbill Drive
Mooresville, NC 28117

Fees and Receipts:

Number	Description	Amount
FEE-272414-07	Environmental Health - Gravity - Fast Track	$350.00
	Total Fees:	**$350.00**
REC-141376-07		$350.00

TOWN OF TROUTMAN

400 Eastway Drive• Troutman, NC 28166•704-528-7600

Zoning Waiver

HOLD FOR FINAL

Permit #: 12-13A-Z-2012

1. Project Information

Date of Application **December 12, 2012**

PIN **4639094090**

Address **Apache St**

Zoning District **RP (Rural Preservation)**

Overlay District(s) **WS-IV-CA**

Current Land Use **Vacant**

Proposed Land Use **Residential**

Development Name and Lot Number: **Twin Coves, Lots 13, 14, and 15 (preliminary only)**

2. Contact Information

Toney Jacobs
Applicant

168 Broadbill Dr
Address

Mooresville, NC 28117
City, State Zip

704-528-9219 or tpjacobs@windstream.net
Telephone and/or E-Mail

Lake Norman Motorcoach Jim Davidson
Property Owner

6738 E NC Hwy 150
Address

Sherrill's Ford, NC 28673
City, State Zip

704 458 6073

3. Comments: Waiver is to allow perc tests for proposed lots 13, 14, and 15.

4. Signature

Based on the information hereby furnished to me and my knowledge of the Town of Troutman Unified Development Ordinance, I hereby

APPROVE / **DISAPPROVE** this Zoning Waiver

Zoning Administrator
Erika G. Martin, AICP

Date: 12-13-12