IREDELL COUNTY HEALTH DEPARTMENT

Statesville Office (704) 878-5305 Mooresville Office (704) 660-3625 PERMIT # 23657

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

PIN # 4751-26-3103

APPLICANT/OWNER: Pilch Acres Holdings LLC APPLICANT ADDRESS: 15 Frowein Rd. Ste. 62 Center Moriches, NY 11934

SITE ADDRESS: 122 Windstone Drive Troutman, NC 28166 PHONE: 980-722-7370 ALT. PHONE

SITE DIRECTIONS: Ostwalt Amity Rd East from Rt 115/21 → L on Pilch Rd → Straight on Windstone → Lot on Right SAP CONTROLLED: ☐ YES ☒ NO

SUBDIVISION: Windstone Crossing SECTION: - LOT # 42 LOT AREA: 0.54 acres DESIGN FLOW: 360 GPD L.T.A.R.: 0.30

Septic Tank	1000	(gal)	STB	760	Date	4/1/19	☒ New System ☐ Repair ☐ Expansion System Type: I II III (IV) V VI	☒ Residence	No. Bedrooms 3
Pump Tank	1000	(gal)	PT	360	Date	9/9/19	System Description: LP-PPBPS (50% Reduction)	☐ Business	No. Persons 6
Pump Make			Model		Serial #		Repair System Description: LP-PPBPS (50% Reduction)	☐ Other	No. Employees
# Nitrification Fields	1	# Lines	3		Linear Ft	210	Maintenance Agreement Required: ☒ YES ☐ NO	☐ Slab	☐ Crawl Space
Trench Width	24"	Trench Bottom Depth(Low side)			30"	Gravel Depth	- ☐ GRAVITY ☒ PRESSURE	☒ Basement w/plumbing	☐ Basement w/o plumbing

Water Supply: ☐ Private ☐ Public ☒ Community

Comments / Conditions: Panels to be installed as follows: L1 (80') 18 panels L2 (70') 16 panels L3 (60') 14 panels => 48 panels total Recommend setting control floats to dose system no more than 125 gallons per pumping event.

INITIAL SITE SKETCH

See attached 40-scale drawing

approved 8-9-2018 by SL

AS BUILT SKETCH

11/19/18 * need to check filter - was not put in when tanks were installed - all 3 lines + supply line checked

*still needs filter in ST

	Date	Initials
Drain Lines Checked	11/21/18	CC
Tanks Checked	11/19/18	CC
Pressure Manifold or Valve Box Checked	2-5-19	
Pressure Head Set	2-5-19	
Electrical Checked	2-5-19	
Floats Set	2-5-19	
Alarm Checked	2-5-19	
Maintenance Contract Y / N	2-21-19	

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: [signature] Date: 8-9-18

IMPROVEMENT PERMIT by: Tom Shuck Date: 8/9/2018

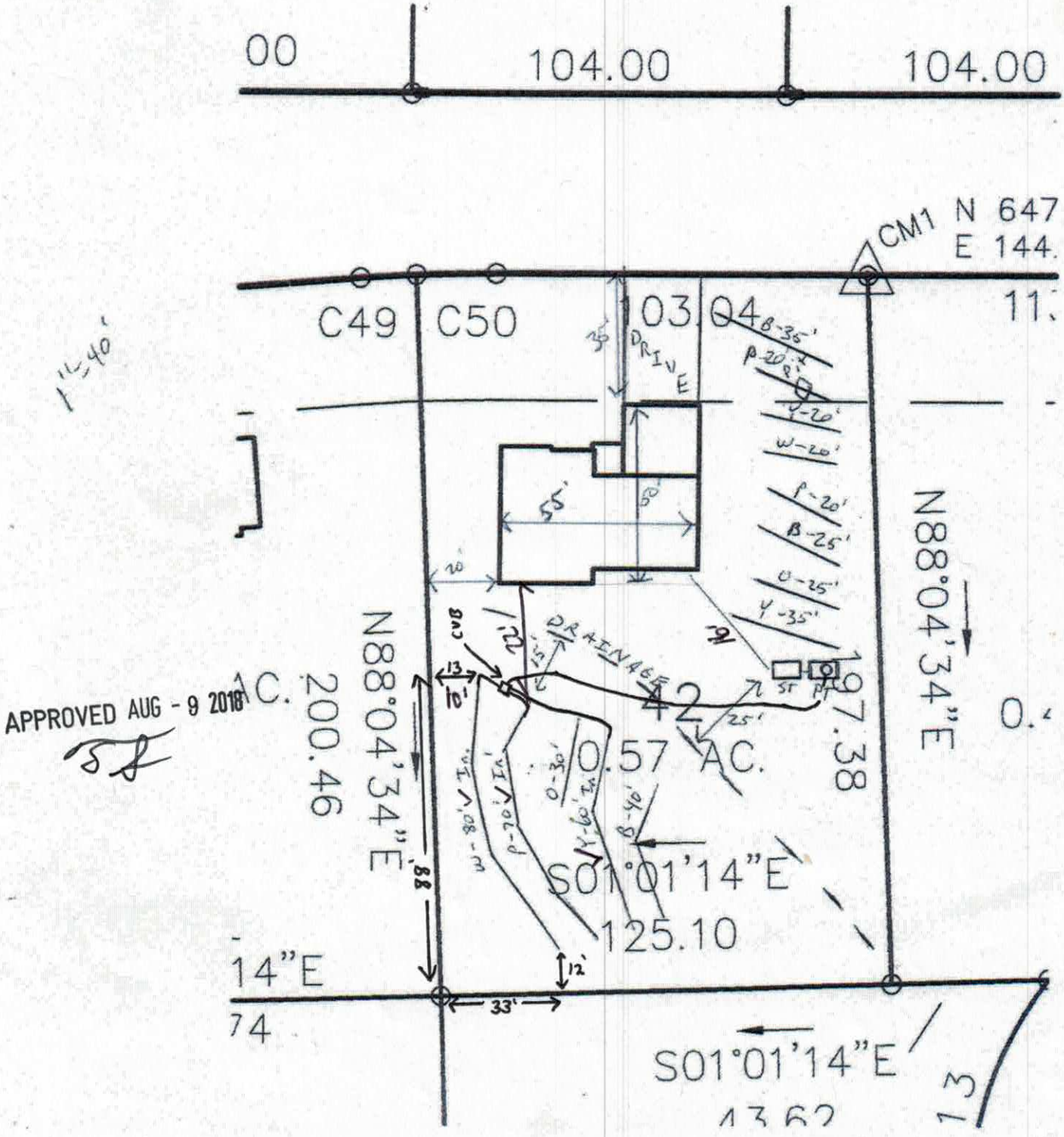
AUTHORIZATION TO CONSTRUCT by: Tom Shuck Date: 8/9/2018

Installed by: Gunters Grading

OPERATION PERMIT by: [signature] Date: 2-21-19

Existing System Inspected by: Date:

FOR SEPTIC FINAL INSPECTION: CALL 704-664-3703 between 8am-9am the day the inspection is needed. Be sure to speak with an inpsector to confirm your inspection time.


00
104.00
104.00
CM1 N 647
E 144.
11.
C49
C50
03
04
DRIVE
B-35'
P-20'
Y-20'
W-20'
P-20'
B-25'
O-25'
Y-35'
55'
50'
20'
N88°04'34"E
97.38
0.4
AC.
200.46
N88°04'34"E
CVB
22'
13'
12'
DRAINAGE
42
25'
ST
PT
0.57 AC.
O-30'
B-40'
W-28'-IN.
P-20'-IN.
Y-60'-IN.
S01°01'14"E
125.10
88'
12'
33'
14"E
74
S01°01'14"E
1362
APPROVED AUG - 9 2018

DENR/DEH

ON-SITE WASTEWATER SECTION

Sheet 1 of 1
PROPERTY ID #: 4751-26-3103
COUNTY: Iredell

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

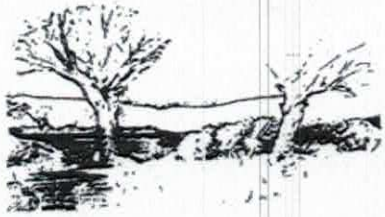
OWNER: Pilch Acres Holdings LLC, APPLICATION DATE 7/6/2018
ADDRESS: 122 Windstone Dr. Troutman DATE EVALUATED: 7/13/18
PROPOSED FACILITY: 3 BR SFR PROPOSED DESIGN FLOW (.1949): 360 GPD PROPERTY SIZE: 0.57 acres
LOCATION OF SITE: 122 Windstone Dr. Troutman PROPERTY RECORDED: Yes
WATER SUPPLY: ☐ Private ☒ Public ☐ Well ☐ Spring ☐ Other
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	SOIL MORPHOLOGY (.1941) .1941 CONSISTENCE/ MINERALOGY	OTHER PROFILE FACTORS .1942 SOIL WETNESS/ COLOR	OTHER PROFILE FACTORS .1943 SOIL DEPTH	OTHER PROFILE FACTORS .1956 SAPRO CLASS	OTHER PROFILE FACTORS .1944 RESTR HORIZ	PROFILE CLASS & LTAR
1	Repair Above/ By Windstone Dr. 9%	0-8	SCL V.W. SBK	SI. Friable, SS, SP, SeP		46"			0.3 PS
		8-30	Clay w-m SBK/ABK	SI. Firm, Sticky, SP, SeP					
		30-46	Clay Loam w. SBK some sap	SI. Friable, SS, SP, SeP					
		46-62	MA Loamy Saprolite	Well drained + Friable					

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

OTHER FACTORS (.1946):
SITE CLASSIFICATION (.1948):
EVALUATED BY:
OTHER(S) PRESENT:

COMMENTS:



7/2008

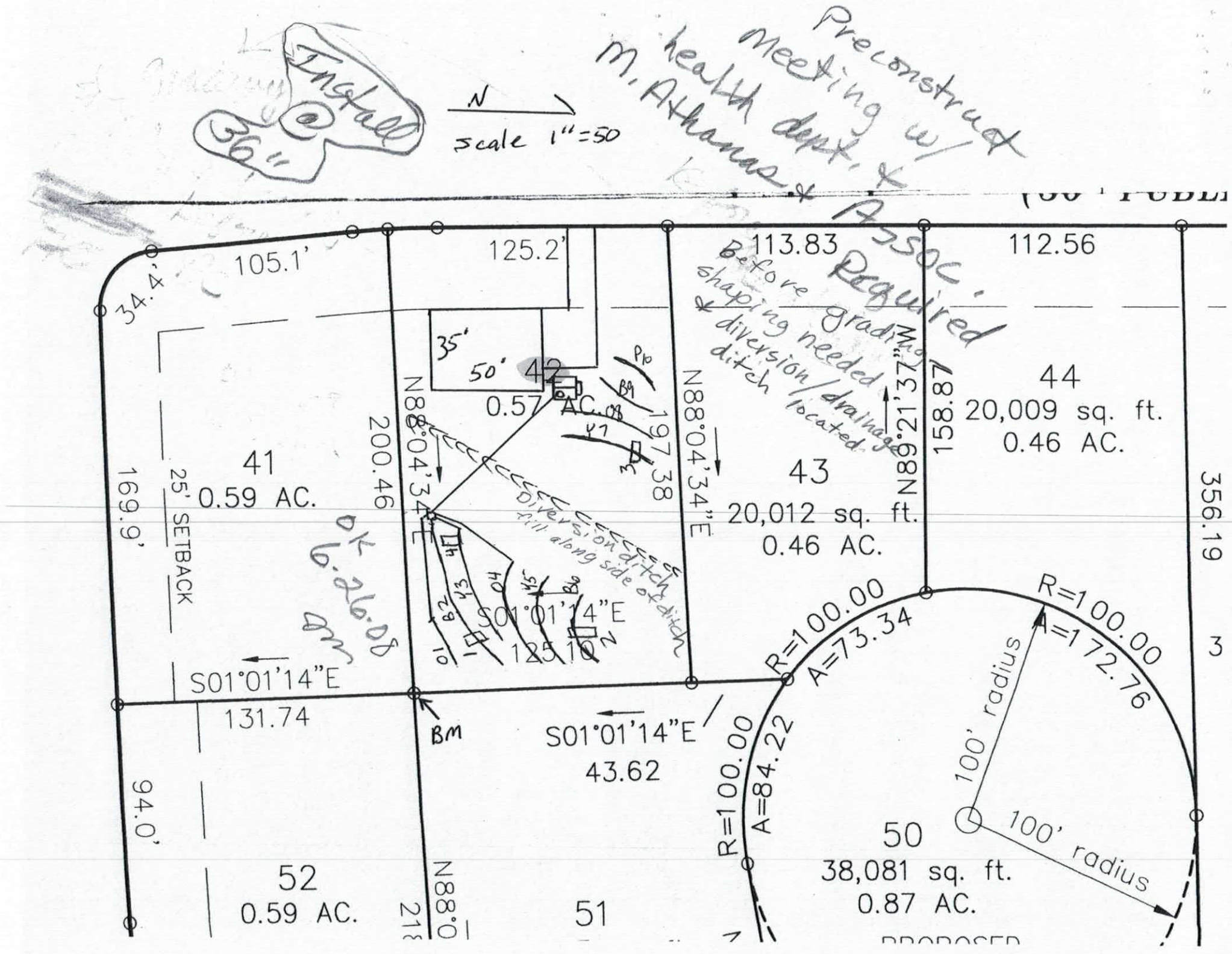
MICHAEL ATHANAS & ASSOCIATES, INC.
LICENSED SOIL SCIENTIST
1999 CANDLEWICK DRIVE
FORT MILL, SC 29715
803-802-4403 (office)
803-802-4402 (fax)

Reference: Data Sheet for Paramount Woods Lot 42
House Footprint: 50' x 35'
Building Setback: 35' front/back, 15' side
Water Source: Community Well
Number of Bedrooms: 3/360gpd
Proposed LTAR: 0.3 gpd/ft2
Suggested system type: PPBPS
Distribution: Low Pressure-Central Valve Box
Pressure Head: 2'
Hole Size: 3/16"
Flow Per Tap: 0.59 gpm
System Flow: 27.2 gpm
Dosing Volume: 165.6 gal
Pump Run Time: 6.1 min
Elevation Head: 4.9'
Friction Head: 1.2'
TDH: 9.7'
Septic/ Pump tank size: 1000 gallons
Proposed Trench Bottom: 36"

Line	Design Length	Actual Length	Elevation
Orange 1	**23'**	**23'**	**3.4'**
Blue 2	**72'**	**82'**	**4.2'**
Yellow 3	**57'**	**57'**	**5.4'**
Orange 4	**48'**	**48'**	**7.2'**
Yellow 5	*42'*		*8.3'*
Blue 6	*35'*		*9.3'*
Yellow 7	*45'*		*5.3'*
Orange 8	*40'*		*3.9'*
Blue 9	*30'*		*2.3'*
Pink 10	*23'*		*0.1'*

Initial system: 200' (46 panels) ***Repair system:*** *219'*
Pump tank: 3.5' **Benchmark:** 1.3'
House Corner: 3.3'

Comments: Drainageway must defined by cutting and/or filling to divert surface water from septic system.


Ingrall
36"
N
scale 1"=50
Preconstruct meeting w/ health dept. & M. Athanas & Assoc.
Required
Before grading shaping needed diversion/drainage ditch located
105.1'
125.2'
113.83
112.56
34.4'
35'
50'
42
0.57 AC.
N88°04'34"E
200.46
197.38
158.87
N89°21'37"W
356.19
41
0.59 AC.
169.9'
25' SETBACK
43
20,012 sq. ft.
0.46 AC.
44
20,009 sq. ft.
0.46 AC.
Diversion ditch fill along side of ditch
OK 6.26.08 am
S01°01'14"E
125.10
S01°01'14"E
131.74
BM
S01°01'14"E
43.62
R=100.00
A=73.34
R=100.00
A=172.76
R=100.00
A=84.22
100' radius
100' radius
94.0'
52
0.59 AC.
51
50
38,081 sq. ft.
0.87 AC.
N88°0
PROPOSED

DENR/DEH

ON-SITE WASTEWATER SECTION

Sheet ___ of ___
PROPERTY ID #: _____
COUNTY: _____

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

OWNER: Paramount Homes _____ APPLICATION DATE _____
ADDRESS: _____ DATE EVALUATED: _____
PROPOSED FACILITY: 3 bedroom PROPOSED DESIGN FLOW (.1949): 360 gpd PROPERTY SIZE: _____
LOCATION OF SITE: Winston Lot 42 PROPERTY RECORDED: _____
WATER SUPPLY: • Private • X Public • X Well • Spring • Other _____
EVALUATION METHOD: • Auger Boring • X Pit • Cut TYPE OF WASTEWATER: • X Sewage • Industrial Process • Mixed

PROFILE #	.1940 LANDSCAPE POSITION/ SLOPE %	HORIZON DEPTH (IN.)	SOIL MORPHOLOGY (.1941) .1941 STRUCTURE/ TEXTURE	SOIL MORPHOLOGY (.1941) .1941 CONSISTENCE/ MINERALOGY	OTHER PROFILE FACTORS .1942 SOIL WETNESS/ COLOR	.1943 SOIL DEPTH	.1956 SAPRO CLASS	.1944 RESTR HORIZ	PROFILE CLASS & LTAR
1	7%	0-14	Rc sbk	Frsssp	—	50"	—	—	PS 0.3 >17" >17 .3 ok gm
		14-17	4Bt sc/ws bk	Frsssp	4Bt				
		17-50	Rc/ws bk	frsssp	—				
2	7%	0-20	Rc sbk	Frsssp	—	50"	Few Inc sap C-sap	—	PS 0.3 .3 ok if surface water diverted
		20-50	Rc/ws bk	Frsssp					
3	10%	0-24	Rc/ws bk	Frsssp	—	24"	PS	— sl. sap @ 30" gm	PS 0.35 .35 ok gm
		24-50	v. s/sap m	Frsssp					
4	7%	0-20	Bt sc/ws bk	Frsssp	—	52"	Inc ssp @ 52"	—	PS 0.3 .3 ok gm
		20-39	Rc sbk	Frsssp					
		39-56	Rc/ws bk	Frsssp					

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	400 ft2	400 ft2
System Type(s)	PPBPS	PPBPS
Site LTAR	0.3	0.3

OTHER FACTORS (.1946): _____
SITE CLASSIFICATION (.1948): PS
EVALUATED BY: MA + Assoc
OTHER(S) PRESENT: _____

COMMENTS: _____

#23694

IREDELL COUNTY DEPARTMENT of ENVIRONMENTAL HEALTH

APPLICATION FORM

Application For: ( ) New Well Permit ( ) Well Repair Permit ( ) Well Abandonment
(✓) Septic Improvement Permit (✓) Authorization to Construct ( ) Existing System Inspection ( ) Septic System Repair

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.

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 an (X) beside whichever is submitted if applicable ( ) Custom Site Plan, scaled no more than 1 inch = 60 feet

Applicant Information: (PRINT CLEARLY)

Applicant Name: Pilch Acres Holdings LLC Address: 15 Frowein Rd STE G2, Center Moriches, NY Zip: 11934

Applicant Email: _____ Phone: Mike Faulkenberry-980-722-7370 Alt. Phone: _____

Owner Name: Same Address: _____ Zip: _____

Owner Email: _____ Phone: _____ Alt. Phone: _____

Property Information:

Street Address: 122 Windstone Dr

Subdivision Name: Windstone Crossing Section/Phase: _____ Lot Number: 42

Driving Directions: _____

Site Development Information: *(check or complete ALL that apply*

(✓) New Single Family Residence
( ) New Multi-Family Residence
( ) Accessory Building
( ) Bedroom(s) Addition
( ) Repair to failing septic system ___ Tank ___ Drain lines Describe Problem: _____

Maximum Number of Bedrooms: 3
Maximum Number of Occupants: _____
( ) Swimming Pool
( ) Other Addition/Structure: _____

CHECK FOUNDATION TYPE
( ) Crawl Space Foundation
( ) Concrete Slab Foundation
(✓) Basement with Plumbing
( ) Basement without Plumbing

Non-Residential Site Development: Type of Business: _____
Square Footage of Building: _____ Max. Number of Employees: _____ Max. Number of Seats/Beds/Other: _____

Water Supply: ( ) Replacement Well – Reason: _____
( ) Multi-connection Well Number of Houses: _____ Number of Persons: _____

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

Desired Septic System Type: *(you may rank in order of preference)* Year existing system installed: _____
( ) No Preference ( ) Alternative ( ) Conventional ( ) Innovative ( ) Modified Conventional ( ) Other: _____

Please answer the following to the best of your ability:

( ) Yes (✓) No Does the site contain any jurisdictional wetlands?
( ) Yes (✓) No Is any non-domestic sewage (i.e. industrial) to be generated?
( ) Yes (✓) 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.

Signature: _____ 7/6/2018
Property owner or owner's legal representative signature (SIGNATURE REQUIRED) DATE

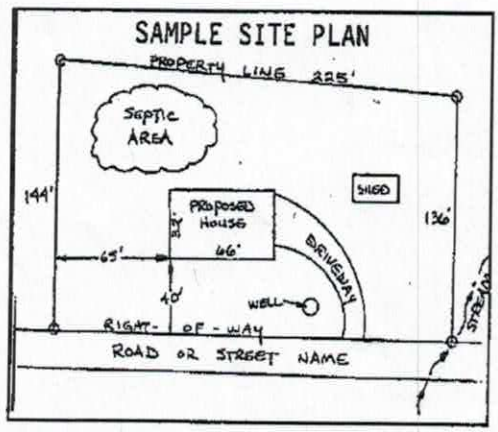
IREDELL COUNTY DEPARTMENT of ENVIRONMENTAL HEALTH

SITE PLAN WORKSHEET

SEE THE "SAMPLE SITE PLAN" BELOW. ***INCOMPLETE SITE PLANS WILL BE RETURNED TO YOU FOR COMPLETION AND MAY RESULT IN A DELAY IN THE ISSUANCE OF YOUR SEPTIC SYSTEM OR WELL PERMIT!!!***

Place an (X) beside each item as you complete the site plan:

( ) **Property Line measurements are clearly identified**
( ) **All proposed structures are indicated**
( ) **Front and side setbacks from property line**
( ) **Preferred driveway location**
( ) **Preferred well location**
( ) **Preferred septic system location**
( ) **North arrow, or other sufficient indicator of direction**



Circle N/A on the following if appropriate:

Location of septic systems and wells within 100' of your property	**N/A**
Location of easements and rights of ways on your property	**N/A**
Location of any designated wetlands on the property	**N/A**

USE THIS SPACE TO DRAW YOUR SITE PLAN

Show: proposed house or business footprint, wells, water lines, patios, pools and decks, and any other item that will occupy space on the site

See attached plan

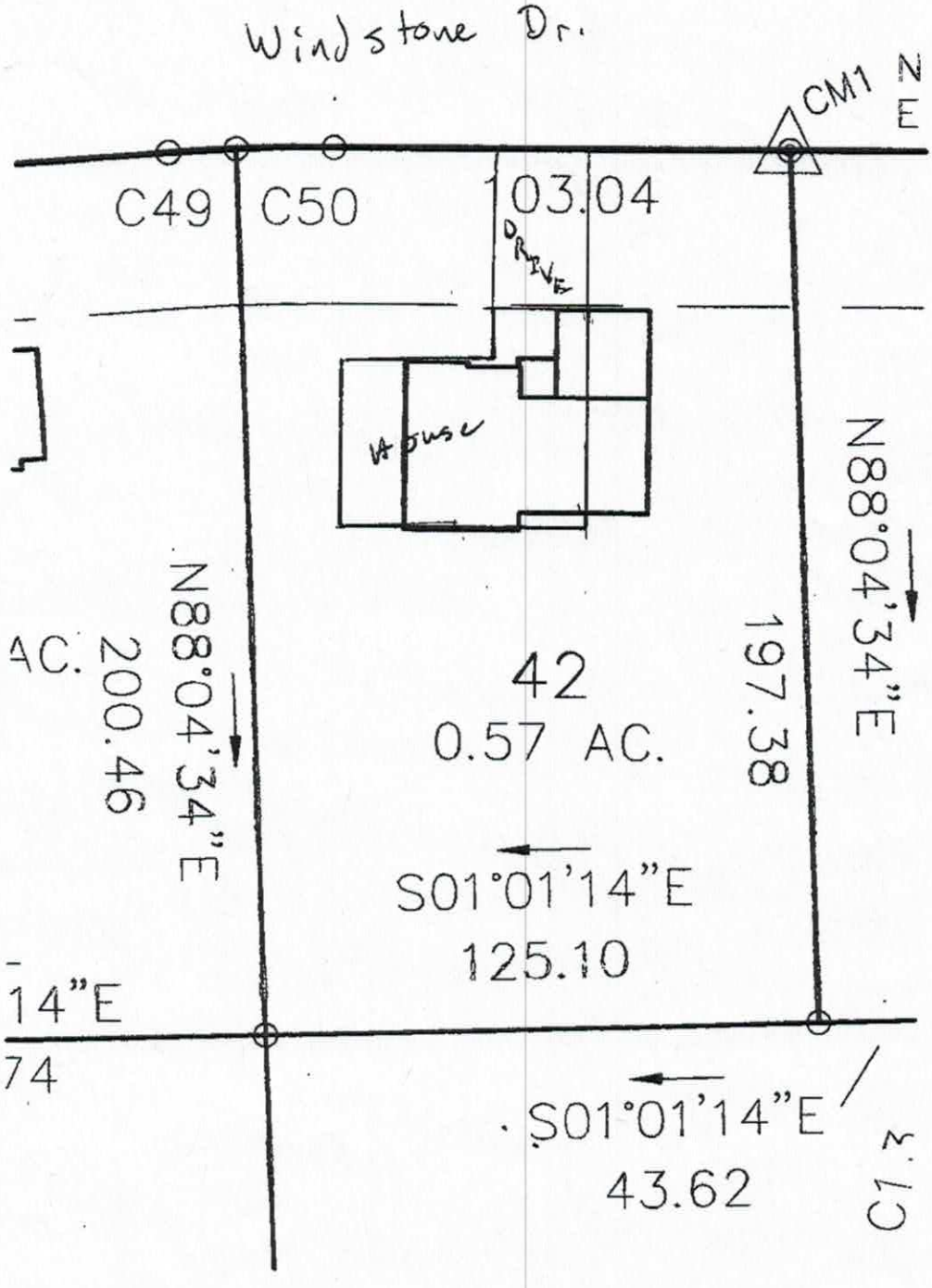
Signature: _____

Property owner or owner's legal representative signature (SIGNATURE REQUIRED)

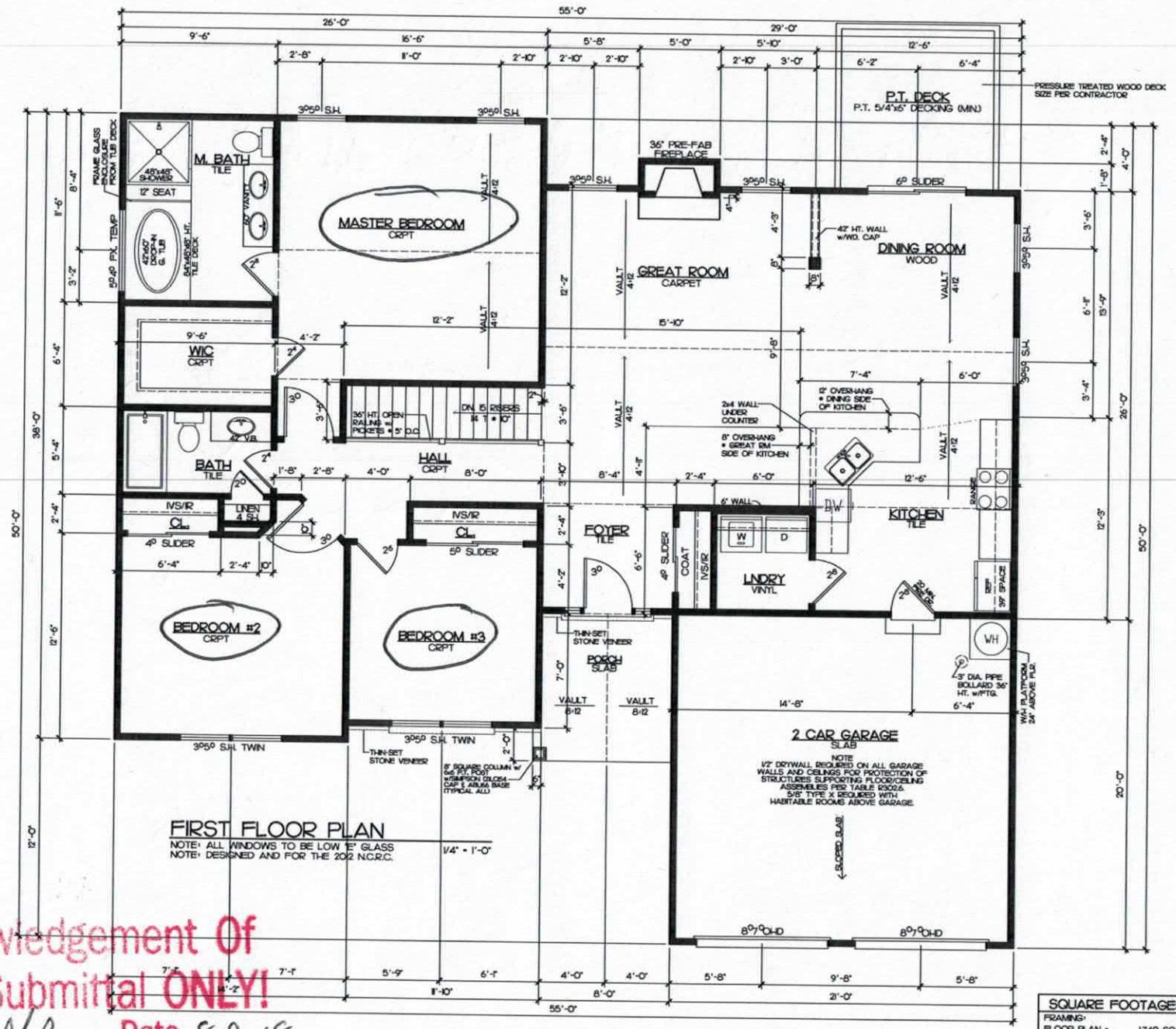
7/6/2018

DATE

The house will be adjusted to the red Box



1"=40'



FIRST FLOOR PLAN

NOTE: ALL WINDOWS TO BE LOW "E" GLASS
NOTE: DESIGNED AND FOR THE 2012 N.C.R.C.

1/4" = 1'-0"

SQUARE FOOTAGES	
FRAMING:	
FLOOR PLAN =	1740 SQ FT
GARAGE =	420 SQ FT
FRONT PORCH =	73 SQ FT

Acknowledgement Of
Plans Submittal ONLY!
Wm Tuhlo Date 8-9-18
Tom Shultz Date 8/9/18

Drafting & Design Inc.
CHARLOTTE, N.C.
704-542-9888

COPYRIGHT STATEMENT
DRAFTING & DESIGN, Inc. accepts no responsibility, liability or part of any legal action related to documentation, supplied by the owner/contractor for preparing the drawing that may be copyrighted by another party. All materials used to produce the drawing are considered to have been researched by the owner/contractor for any copyrights, and are required by law, the owner/contractor has obtained approval from any copyright owner(s), known or unknown by DRAFTING & DESIGN, Inc.

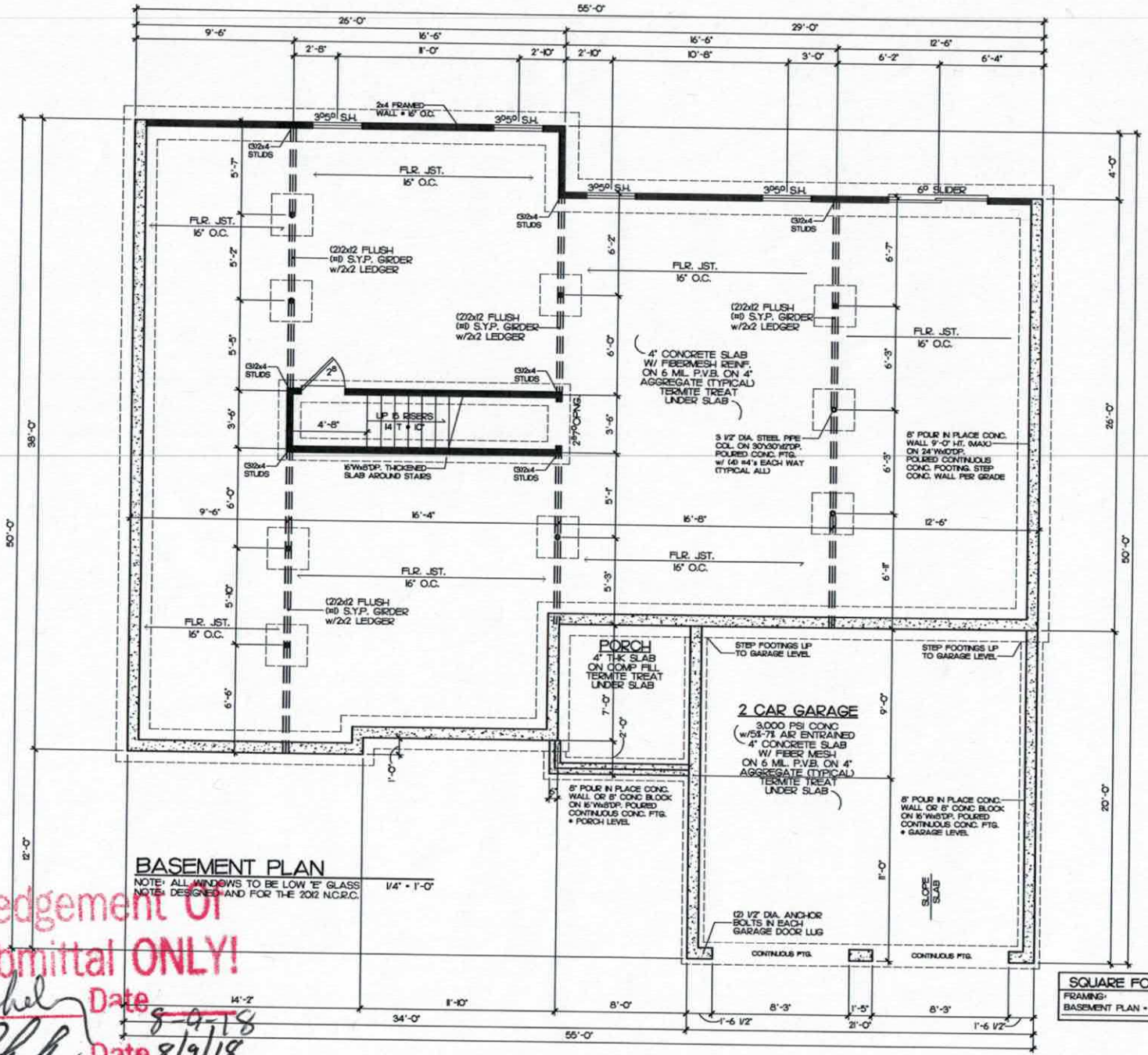
WINDSTONE ESTATES

Project: THE BAYPORT
Sheet Title: FLOOR PLAN W/BASEMENT

DR. BY: J. BODNAR
Date: 08-17-17
REV.

PHBAYFL_BSMNT
Sheet
3a

8-9-18
Bathroom to be roughed in. No additional bedrooms in basement.



BASEMENT PLAN

NOTE: ALL WINDOWS TO BE LOW "E" GLASS
NOTE: DESIGNED AND FOR THE 2012 N.C.R.C.

1/4" = 1'-0"

SQUARE FOOTAGES
FRAMING:
BASEMENT PLAN = 1730 SQ FT

Acknowledgement of
Plans Submittal ONLY!
Wm Tuthel Date 8-9-18
Sam Shuk Date 8/9/18

Drafting & Design Inc.
Charlotte, NC
704-542-9888
COPYRIGHT STATEMENT
DRAFTING & DESIGN, INC. assumes no responsibility, liability or part of any legal action related to documentation, supplied by the owner/contractor for preparing the drawing that may be copyrighted by another party. All materials used to produce the drawing are considered to have been researched by the owner/contractor for any copyrights, and, as required by law, the owner/contractor has obtained approval from any copyrighted property, known or unknown by DRAFTING & DESIGN, Inc.

WINDSTONE ESTATES

Project: THE BAYPORT
Sheet Title: BASEMENT PLAN

DR. BY: J. BODNAR
Date: 08-17-17
REV:

PI-BAY_BSMNT
Sheet
2a