IREDELL COUNTY HEALTH DEPARTMENT

ENVIRONMENTAL HEALTH DIVISION

PAGE 1: *APPLICATION FORM*

10-08-13
yep #105.00 MS
redraw

Application For:

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

Applicant Name: Paul Taylor **Address:** 148 Spring Grove Rd. 28117 **Phone:** 704-605-1287

Owner Name: Paul Taylor **Address:** _____ **Phone:** _____

Property Information:

Street Address: 202 Gannett Rd. Mooresville 28117

Subdivision Name: CLT **Section/Phase:** 5 **Lot Number:** 5

Driving Directions: Brawley School - left on Isle of Pine to Gannett

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

(✓) New Single Family Residence
( ) New Multi-Family Residence
( ) Accessory Building
( ) Bedroom(s) Addition

Maximum Number of Bedrooms: 5
Maximum Number of Occupants: _____
( ) Swimming Pool
( ) Other Addition/Structure: _____

( ) Crawl Space Foundation
( ) Concrete Slab Foundation
( ) Basement with Plumbing
( ) Basement without Plumbing

Non-Residential Site Development:

Type of Business: _____
Square Footage of Building: _____
Maximum Number of Employee: _____
Maximum Number of Seats/Beds/Other: _____

Water Supply:

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

Signature: Paul Taylor
Property owner or owner's legal representative signature (SIGNATURE REQUIRED)

10-8-13
DATE

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

Zoning Permit

Permit Number: 179932ZO

Printed: 7/26/2013

Master #: 179932

Associated Permits:
179932ZO Zoning

Applicant

Name: PAUL & RENE TAYLOR
Address: 112 SASSERBROOK LANE
MOORESVILLE, NC 28117

Phone: 704-657-3742
8288-32143

Parcel

Parcel Number: 4636402766.000
Address: 202 GANNETT RD
MOORESVILLE, NC 28117
Subdivision: CL&T

Zoning: R20
Township: 1700
Area:
Lot(s): 5

Directions to Parcel: ISLE OF PINES RD; L GANNETT DRIVE; SITE ON RIGHT ALMOST TO CUL-DE-SAC

Owners

Name: ROYCE R & BETTY MARION
Address: 144 WAYSIDE DRIVE
WINSTON-SALEM, NC 27107

Contractors

Fees and Receipts:

Number	Description	Amount
FEE-292016-07	Zoning - Permit Application	$75.00
FEE-292017-07	Technology Fee - Planning	$2.25
FEE-292018-07	Environmental Health - Pump - Fast Track	$850.00
	Total Fees:	**$927.25**
REC-148892-07		$927.25
	Total Receipts:	**$927.25**

Conditions

PAID
Ck #1435
7-26-13 (ad)

S&ME, INC.
SITE/SOIL EVALUATION

SAPROLITE

Project No. Paul Taylor Phone No. 207 Ground Date: 7-25-13
Location _____ Pin _____ County: _____ Property Size _____

Proposed Facility: House Water Supply: On-Site Well ☐ Community ☐ Public ☐ Evaluation: Auger Boring ☒ Pit ☐ Cut ☐

Weather: Hot Antecedent Moisture Moist Surface Water: CN

FACTORS	PROFILE 1	PROFILE 2	PROFILE 3	PROFILE 4
Landscape Position %	L 10%	L 12%	L 10%	L 8%
Horizon Depth I	0-6	0-6	0-6	0-7
Color Munsell	br	br		br
Texture	scl	scl	sa	scl
Structure	gr-wSSBk	gr-wSSBk		wSSBk
Consistence	fr SS/SP	fr SS/SP		fr SS/SP
Boundary				
Horizon Depth II	6-21	6-22	6-25	7-30
Color – Munsell	red	red		red
Texture	C	C		C
Mottles			sa	
Structure	mSBk	mSBk		mSBk
Consistence	fr SS/SP	fr SS/SP		fr SS/SP
Boundary				
Horizon Depth III	21-31 BC	22-38	25-44 BC	30-48 BC
Color – Munsell	red	yel red	red yel	Mott
Texture	C	C	sa-gr	scl
Mottles	f-c SAP	f-c SAP	c SAP	c SAP
Structure	wSBk	wSBk	vwSBk	wSBk
Consistence	fr SS/SP	fr SS/SP	fr SS/SP	fr SS/SP
Boundary				
Horizon Depth IV	31-48 BC	38-48 BC	44-59	
Color – Munsell	red yel	red yel	mot	SAP
Texture	C	C	sl-gr	C
Mottles	c SAP	c SAP	sl-gr SAP	41"
Structure	wSBk	wSBk	vwSBk/mass	
Consistence	fr SS/SP	fr SS/SP	fr SS/SP	
Boundary				
Soil Wetness				
Restrictive Horizon				
Saprolite			44"	
LTAR	.5-.325	.3-.325	.5-.325	.3-.325
Classification	PS		PS	PS
	Close to 50% SAP 45-60	Auger Refusal 30" on a rock Between 1 & 2	* See Site Eval. * ICHD shall Review	Remove LTAR & docs

LEGEND

LANDSCAPE POSITION
- R Ridge Interfluve
- S Shoulder
- L Linear Slope
- S Foot Slope
- N Nose Slope
- H Head Slope
- Cc Conclave Slope
- Cv Convex Slope
- T Terrace
- P Flood Plain

TEXTURE
- s sand
- ls Loamy sand
- sl sandy loam
- l loam
- si silt
- sil silt loam
- sicl silty clay loam
- cl clay loam
- scl sandy clay loam
- sc sandy clay
- sic silty clay
- cL clay

CONSISTENCE WET
- Ns non-sticky
- Ss slightly sticky
- S sticky
- Vs very sticky

- Np non-plastic
- Sp slightly plastic
- P plastic
- Vp very plastic

MOIST
- vfr Very friable
- fr friable
- fi firm
- vfi Very firm

STRUCTURE
- sg single grain
- m massive
- gr grumb
- gr granular
- sab subangular blocky
- ab angular blocky
- pl platy
- pr prismatic

S&ME, INC.
SITE/SOIL EVALUATION

Pam Taylor 26

Project No. Garnett **Phone No.** _____ **Date:** _____
Location _____ **Pin** _____ **County:** _____ **Property Size** _____

Proposed Facility: _____ **Water Supply:** On-Site Well ☐ Community ☐ Public ☐ **Evaluation:** Auger Boring ☐ Pit ☐ Cut ☐

Weather: 37 25 12 **Antecedent Moisture** _____ **Surface Water:** Lg RL. PL.

FACTORS	PROFILE 5	PROFILE 6	PROFILE 7	PROFILE 8
Landscape Position %	8%	L ~ 14% L	L ~ 11%	L ~ 9% L
Horizon Depth I	0 - 6	0 - 8	0 - 18	0 - 12
Color Munsell	br		rd	br
Texture	scl		c	scl
Structure	sbk	sbk	mt ssbk	wssbk
Consistence	fr ss/sc		fr ss/sc	fr ss/sc
Boundary				
Horizon Depth II	6 - 27	8 - 26	18 - 37 sc	12 - 32
Color – Munsell	rd		rd yel	rd
Texture	c		lt sc - c	c - sc
Mottles		sm	c sdp	
Structure	mt ssbk		wssbk	mt fsbk
Consistence	fr ss/sc		fr ss/sc	fr ss/sc
Boundary				
Horizon Depth III	27 - 44 sc	26 - 48	37 - 48	32 - 48 sc
Color – Munsell	rd yel		rd yel	rd
Texture	c/sc	sm	sl - l sdp	cl
Mottles	c spd			c spd
Structure	mt ssbk		m pss	wssbk
Consistence	fr ss/sc		fr ss/sc	fr ss/sc
Boundary	sc			
Horizon Depth IV	44 - 52 sc			
Color – Munsell	rd yel			
Texture	l sdc			
Mottles	c spd			
Structure	vw fsbk			
Consistence	fr ss/sc			
Boundary				
Soil Wetness				
Restrictive Horizon				
Saprolite	44"	—	37"	
LTAR	.3 - .32 s	.3 - .32 s	.3 - .32 s	.3 - .32 s
Classification	Ps	Ps	Ps	Ps

* Ended Access Drive

LEGEND L - 2 9

LANDSCAPE POSITION
- R Ridge Interfluve
- S Shoulder 0 - 7
- L Linear Slope br
- S Foot Slope
- N Nose Slope sl
- H Head Slope
- Cc Conclave Slope
- Cv Convex Slope 7 - 24
- T Terrace
- P Flood Plain rd br c

TEXTURE
- s sand scl
- ls Loamy sand
- sl sandy loam wssbk
- l loam
- si silt fr ss/sc
- sil silt loam
- sicl silty clay loam
- cl clay loam
- scl sandy clay loam 24 - 47
- sc sandy clay
- sic silty clay
- c clay

CONSISTENCE WET
- Ns non-sticky
- Ss slightly sticky wssbk
- S sticky fr ss/sc all L
- Vs very sticky sm root

- Np non-plastic
- Sp slightly plastic .3 - .32 s
- P plastic
- Vp very plastic

MOIST
- vfr Very friable
- fr friable
- fi firm
- vf Very firm

STRUCTURE
- sg single grain
- m massive
- cr crumb
- gr granular
- sab subangular blocky
- ab angular blocky
- pl platy
- pr prismatic

S&ME, INC.
SITE/SOIL EVALUATION

R 3/5

Project No. Pond Top **Phone No.** _____ **Date:** _____
Location (Ground) **Pin** _____ **County:** _____ **Property Size** _____

Proposed Facility: _____ **Water Supply:** **On-Site Well** ☐ **Community** ☐ **Public** ☐ **Evaluation:** **Auger Boring** ☐ **Pit** ☐ **Cut** ☐

Weather: _____ **Antecedent Moisture** _____ **Surface Water:** _____

FACTORS	PROFILE 10	PROFILE	PROFILE	PROFILE
Landscape Position %	Dom <5%			
Horizon Depth I	0 - 20			
Color Munsell	4			
Texture	c/d			
Structure	m-fsbk			
Consistence	fm ss/sp			
Boundary				
Horizon Depth II	20 - 38 BC			
Color – Munsell	2.5Y 4/4			
Texture	c			
Mottles	f-sd c			
Structure	w-sbk			
Consistence	fm ss/sp			
Boundary				
Horizon Depth III	38 - 48			
Color – Munsell	10YR 4/4			
Texture	sc			
Mottles	f d 5YR			
Structure	m-pr			
Consistence	fm sh/sp			
Boundary				
Horizon Depth IV				
Color – Munsell				
Texture				
Mottles				
Structure				
Consistence				
Boundary				
Soil Wetness				
Restrictive Horizon				
Saprolite	38"			
LTAR	3.2			
Classification	D3			

→ Cut slope at Drive

LEGEND

LANDSCAPE POSITION

R	Ridge Interfluve
S	Shoulder
L	Linear Slope
S	Foot Slope
N	Nose Slope
H	Head Slope
Cc	Conclave Slope
Cv	Convex Slope
T	Terrace
P	Flood Plain

TEXTURE

s	sand
ls	Loamy sand
sl	sandy loam
l	loam
si	silt
sil	silt loam
sicl	silty clay loam
cl	clay loam
scl	sandy clay loam
sc	sandy clay
sic	silty clay
c	clay

CONSISTENCE WET

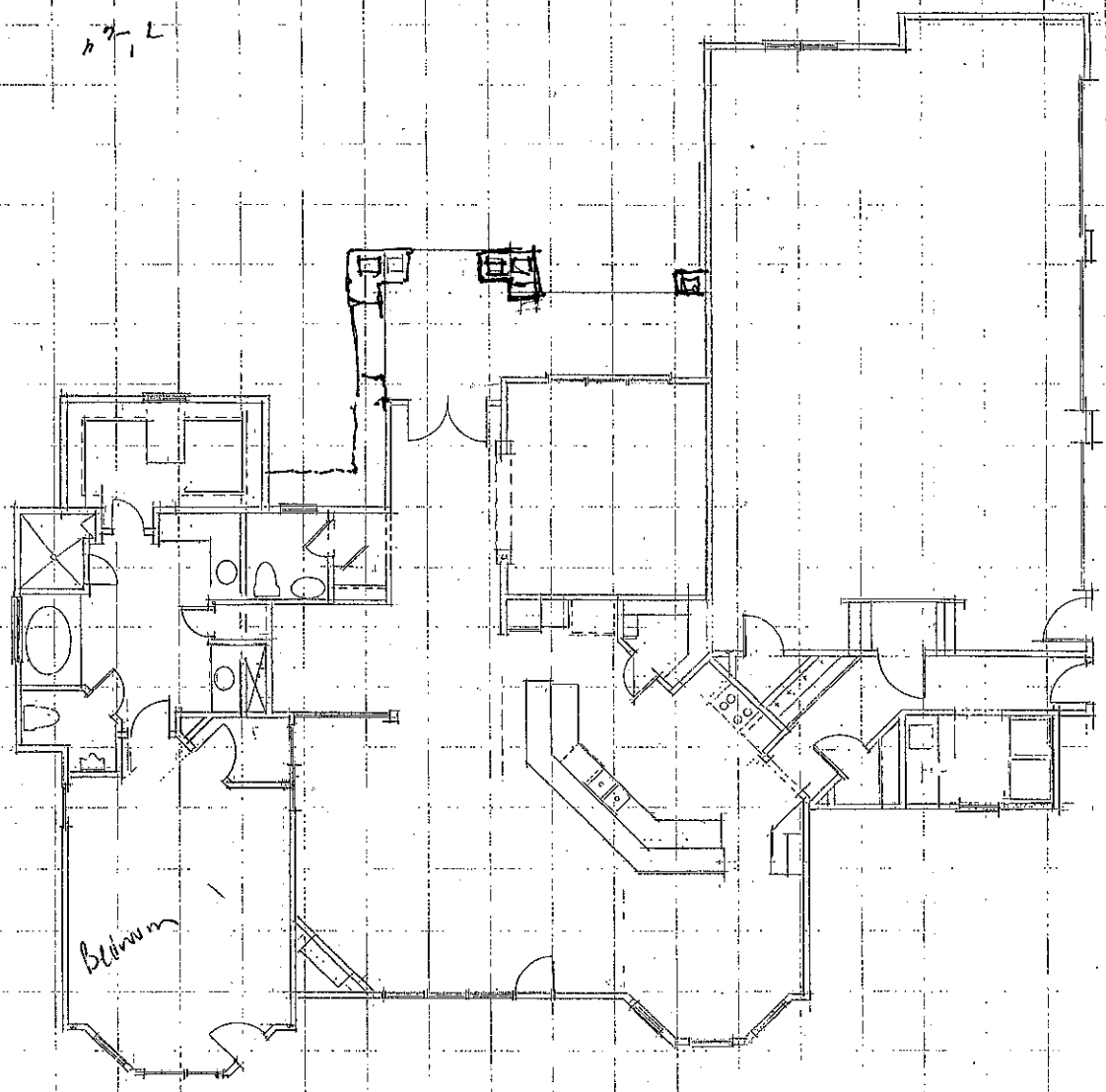
Ns	non-sticky
Ss	slightly sticky
S	sticky
Vs	very sticky
Np	non-plastic
Sp	slightly plastic
P	plastic
Vp	very plastic

MOIST

vfr	Very friable
fr	friable
fi	firm
vfi	Very firm

STRUCTURE

sg	single grain
m	massive
cr	crumb
gr	granular
sab	subangular blocky
ab	angular blocky
pl	platy
pr	prismatic



MAIN FLOOR

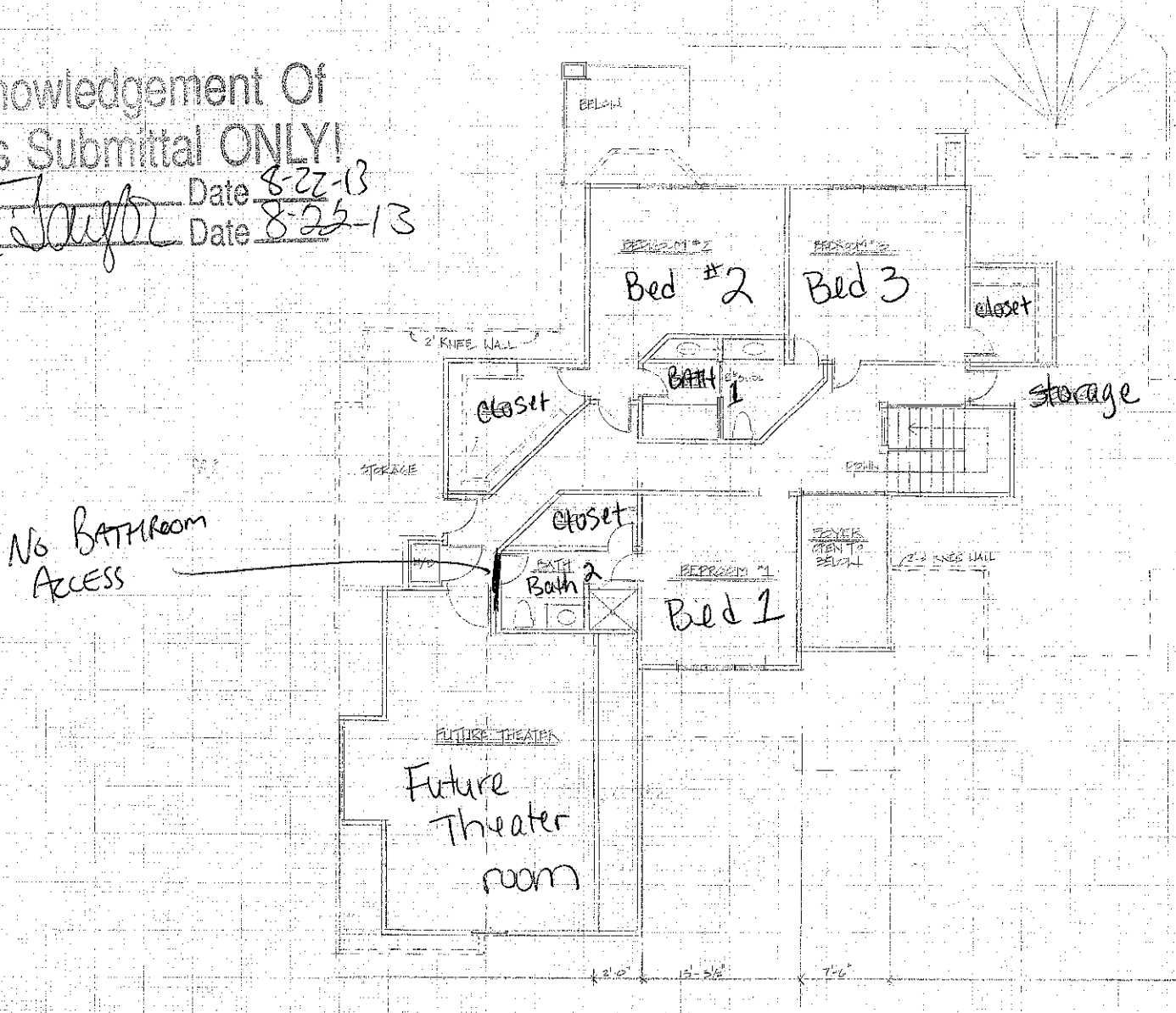
Acknowledgement Of
Plans Submittal ONLY!
Date 8-22-13
Date 8-15-13

Permit # 179932
Taylor
CLT Sect 5 Lot 5
202 Bannett

Acknowledgement Of
Plans Submittal ONLY!

Date 8-22-13

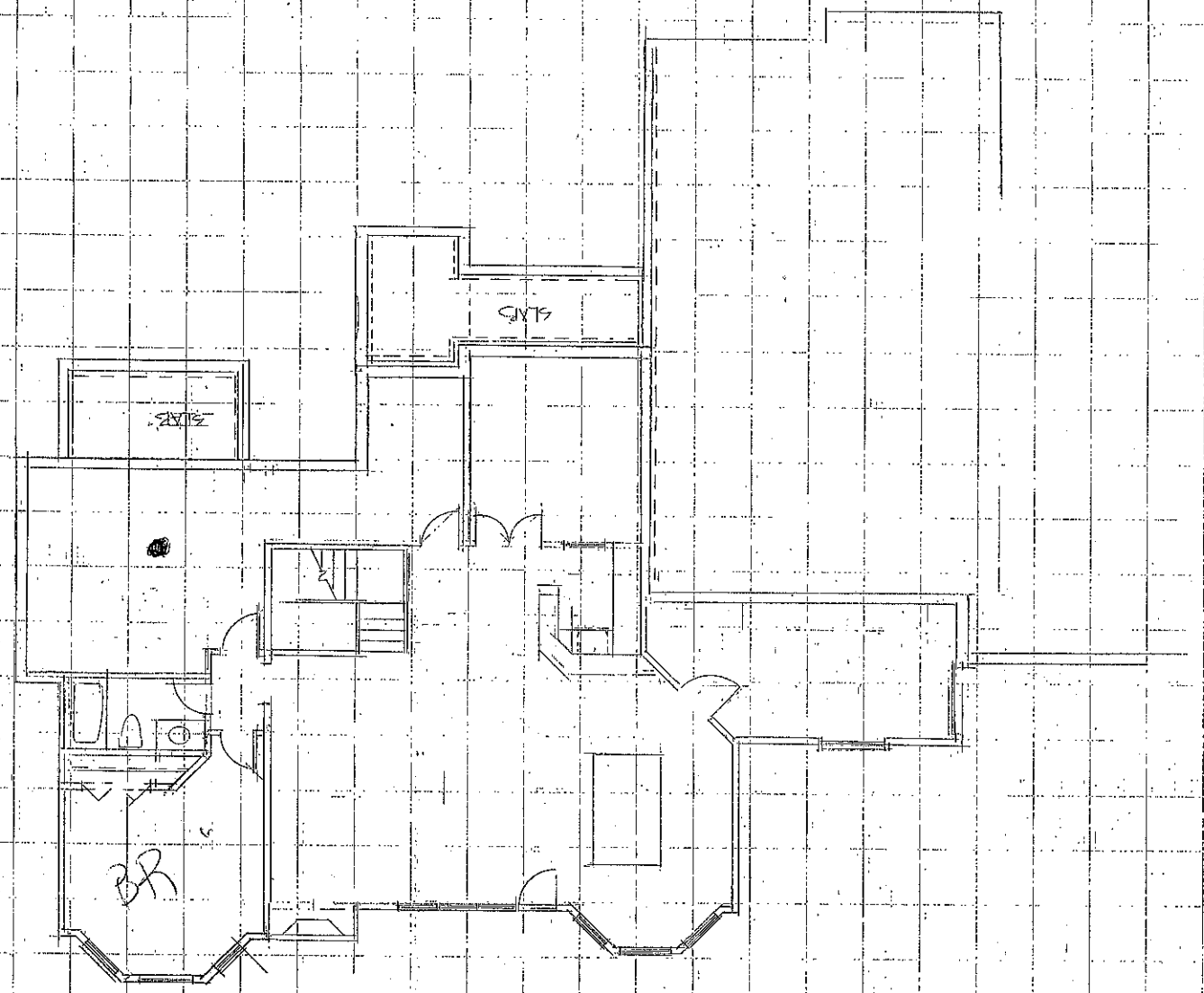
Date 8-25-13



SECOND FLOOR PLAN
1/4" = 1'-0"

Second Plan Flor

Paul Taylor
202 Gannett Rd.
CLaT Sect 5
Lot 5



Basement

Acknowledgement of
Plans Subm
Date 8-22-13
Date 8/5/13

Permit # 179932
Taylor
CL+T Sect 5 Lot 5
202 Bennett

IREDELL COUNTY HEALTH DEPARTMENT

Statesville Office – Central Permitting (704) 878-5305 Mooresville Office (704) 660-3625

PRIVATE DRINKING WATER WELL PERMIT # **PIN #**

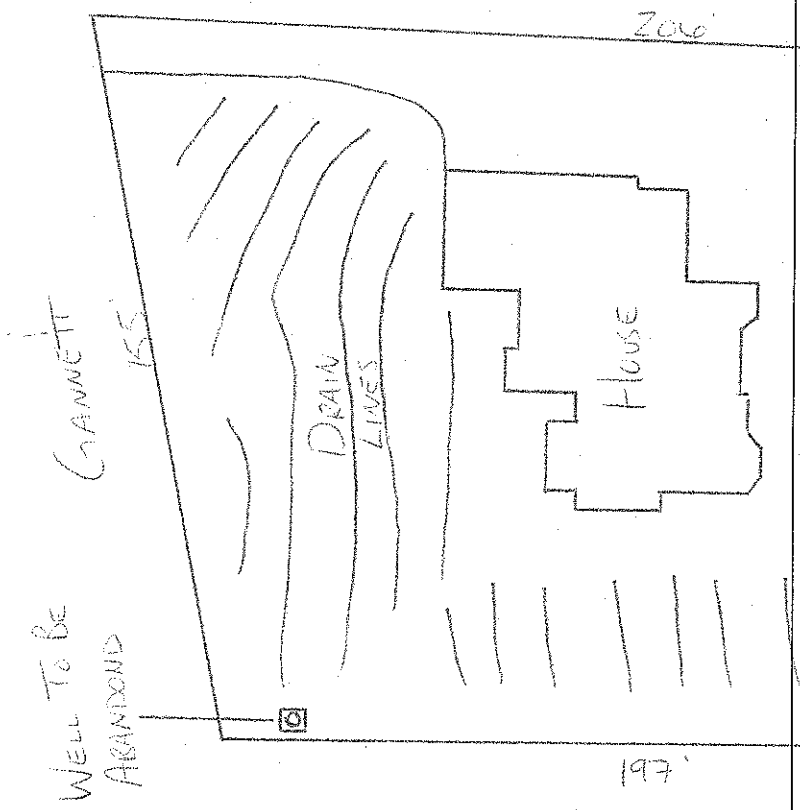
Type of Permit (circle one): New Repair Abandonment

APPLICANT NAME: RAUL TAYLOR ADDRESS: 117 SASSERBROOK LN. PHONE: 704-605-7207

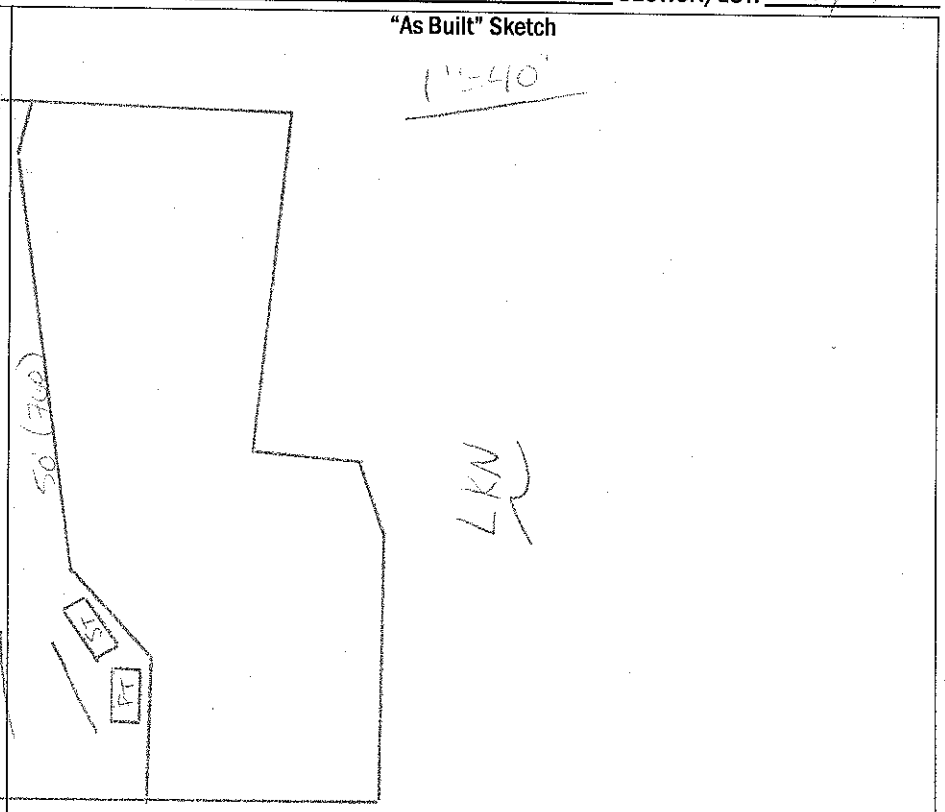
DIRECTIONS TO SITE: BSR TO RICE OF LINES TO GANNETT

SITE ADDRESS: 202 GANNETT SUBDIVISION: CLET SECTION/LOT: 5/5

Initial Site Sketch



"As Built" Sketch



Well GPS Latitude: _____ Longitude: _____

PERMIT CONDITIONS/COMMENTS: _____

WELL PERMIT ISSUED BY: RA DATE: 8-26-13 (Permit is valid for 5 years from date issued. This permit may be revoked if it is determined there has been a material change in any fact or circumstance upon which the permit is issued. Actions of the employees of the Iredell County Health Department shall in no way be taken as a guarantee that this well will produce water of any particular quantity or quality or for any amount of time. Employees of the Iredell County Health Department assume no liability for any damages, either direct or consequential which may be caused by this well.)

Well Contractor: B&K CONTRACTOR CERT #: 3216/14 GROUT INSPECTION BY: _____ DATE: _____

OR CERTIFICATION OF GROUT NOT WITNESSED BY DEPT: _____ DATE: 9/20/13 WELL HEAD INSPECTION BY: _____ DATE: _____

WELL HEAD INSPECTION (check when completed): GROUT TO GROUND SURFACE ☐ WELL CONTRACTOR ID PLATE ☐ PUMP INSTALLER ID PLATE ☐ SAMPLE PORT ☐

ACCESS PORT / VENT ☐ WELL SEAL ☐ WELL HEAD 12 INCHES / PITLESS ADAPTOR 8 INCHES ABOVE GRADE ☐

CERTIFICATE OF COMPLETION BY: _____ DATE: 9/20/13 WATER SAMPLES BY: _____ DATE: _____

Attachments: Form GW-1a (required except for abandonment) ☐ Form GW-30 ☐ Water Sample Results ☐ Plat ☐

Health Dept. Copy – White Applicant Certificate of Completion – Yellow Applicant Well Construction Permit - Pink

WELL ABANDONMENT RECORD

This form can be used for single or multiple wells

1. Well Contractor Information:

B & K Well Drilling Inc.

Well Contractor Name (or well owner personally abandoning well on his/her property)

Alfred Kiesling Jr

NC Well Contractor Certification Number

3266-A

Company Name

2. Well Construction Permit #: 179937

List all applicable well construction permits (i.e. County, State, Variance, etc.) if known

3. Well use (check well use):

Water Supply Well:	
☐Agricultural	☐Municipal/Public
☐Geothermal (Heating/Cooling Supply)	☐Residential Water Supply (single)
☐Industrial/Commercial	☐Residential Water Supply (shared)
☐Irrigation	
Non-Water Supply Well:	
☐Monitoring	☐Recovery
Injection Well:	
☐Aquifer Recharge	☐Groundwater Remediation
☐Aquifer Storage and Recovery	☐Salinity Barrier
☐Aquifer Test	☐Stormwater Drainage
☐Experimental Technology	☐Subsidence Control
☐Geothermal (Closed Loop)	☐Tracer
☐Geothermal (Heating/Cooling Return)	☐Other (explain under 7g)

4. Date well(s) abandoned: 9-19-13

5a. Well location:

Rena Taylor

Facility/Owner Name

Facility ID# (if applicable)

202 Bennett, Mooresville NC

Physical Address, City, and Zip

Iredell

County

4636-40-2766

Parcel Identification No. (PIN)

5b. Latitude and longitude in degrees/minutes/seconds or decimal degrees:
(if well field, one lat/long is sufficient)

_____ N _____ W

CONSTRUCTION DETAILS OF WELL(S) BEING ABANDONED

Attach well construction record(s) if available. For multiple injection or non-water supply wells ONLY with the same construction/abandonment, you can submit one form.

6a. Well ID#: NA

6b. Total well depth: 60 (ft.)

6c. Borehole diameter: 2 (in.)

6d. Water level below ground surface: 30 (ft.)

6e. Outer casing length (if known): NA (ft.)

6f. Inner casing/tubing length (if known): NA (ft.)

6g. Screen length (if known): NA (ft.)

For Internal Use ONLY:

WELL ABANDONMENT DETAILS

7a. Number of wells being abandoned: 1

For multiple injection or non-water supply wells ONLY with the same construction/abandonment, you can submit one form.

7b. Approximate volume of water remaining in well(s): _____ (gal.)

FOR WATER SUPPLY WELLS ONLY:

7c. Type of disinfectant used: Clorine tabs

7d. Amount of disinfectant used: 1lb

7e. Sealing materials used (check all that apply):

☐ Neat Cement Grout	☑ Bentonite Chips or Pellets
☑ Sand Cement Grout	☐ Dry Clay
☐ Concrete Grout	☐ Drill Cuttings
☐ Specialty Grout	☐ Gravel
☐ Bentonite Slurry	☐ Other (explain under 7g)

7f. For each material selected above, provide amount of materials used:

2 50 lb Bags Hydrite 1 50 lb Bag Sandcrete

7g. Provide a brief description of the abandonment procedure:

Poured

8. Certification:

Alfred Kiesling Jr — Signature of Certified Well Contractor or Well Owner

9-19-13 — Date

By signing this form, I hereby certify that the well(s) was (were) abandoned in accordance with 15A NCAC 02C .0100 or 2C .0200 Well Construction Standards and that a copy of this record has been provided to the well owner.

9. Site diagram or additional well details:
You may use the back of this page to provide additional well site details or well abandonment details. You may also attach additional pages if necessary.

SUBMITTAL INSTRUCTIONS

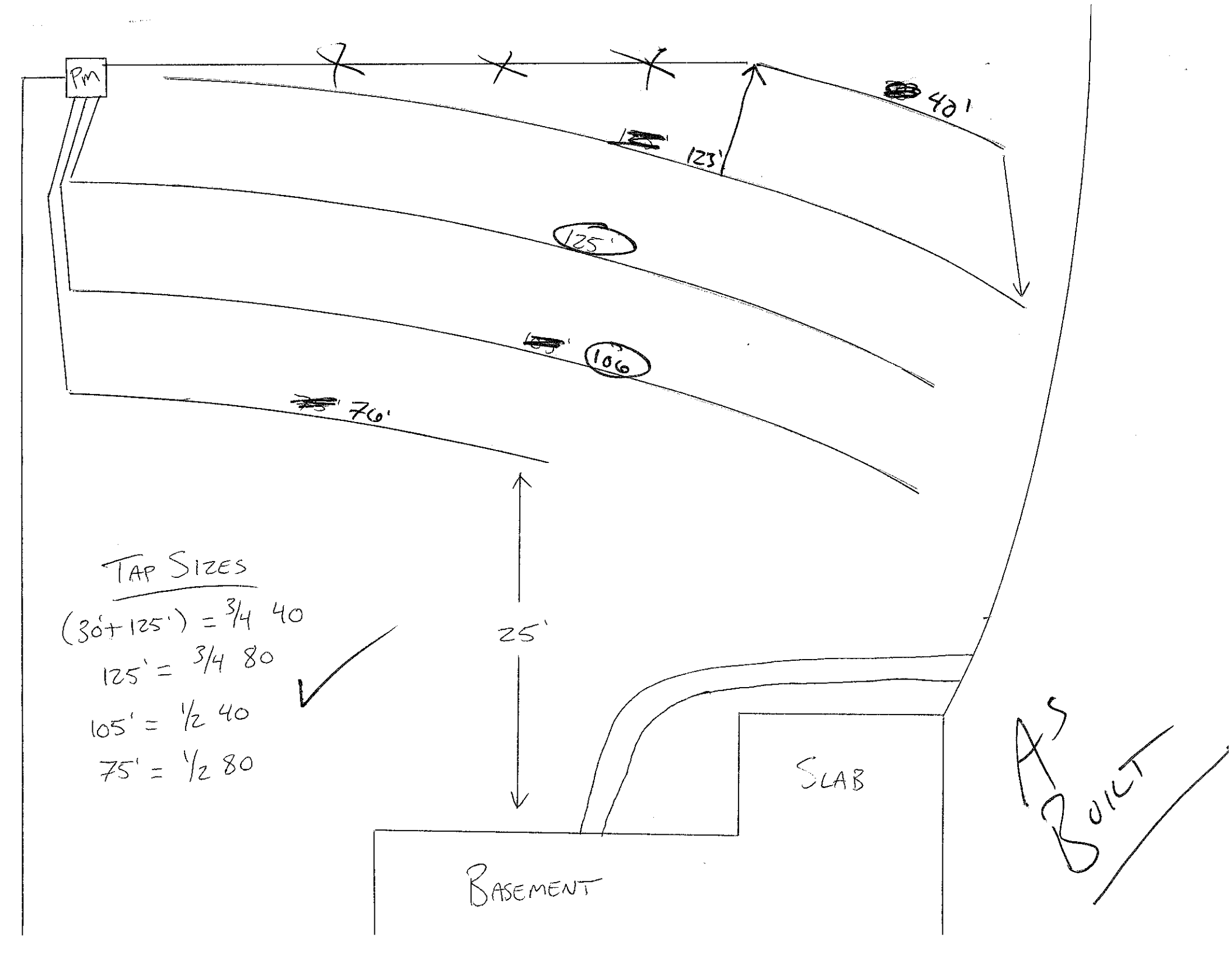
10a. For All Wells: Submit this form within 30 days of completion of well abandonment to the following:

Division of Water Quality, Information Processing Unit,
1617 Mail Service Center, Raleigh, NC 27699-1617

10b. For Injection Wells: In addition to sending the form to the address in 10a above, also submit one copy of this form within 30 days of completion of well abandonment to the following:

Division of Water Quality, Underground Injection Control Program,
1636 Mail Service Center, Raleigh, NC 27699-1636

10c. For Water Supply & Injection Wells: In addition to sending the form to the address(es) above, also submit one copy of this form within 30 days of completion of well abandonment to the county health department of the county where abandoned.



TAP SIZES

(30'+125') = 3/4 40

125' = 3/4 80

105' = 1/2 40

75' = 1/2 80