

12/27/2007

duponbj

Groundwater and Wastewater Services File Imaging Project
May 2007
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N OF ENVIRONMENTAL HEALTH
WASTEWATER SECTION

COUNTY: Iredell

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

#2 23409
PO 217-041-09
L2A

OWNER Ramie E. Cushman APPLICANT: [illegible]
ADDRESS 15733 Thomas Road Chas APPLICATION DATE: DATE EVALUATED:
PROPOSED FACILITY: residence PROPOSED DESIGN FLOW (.1949): 360gpd PROPERTY SIZE: 1.06
LOCATION OF SITE: Thomas Road PROPERTY RECORDED:
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) STRUCTURE/ TEXTURE	SOIL MORPHOLOGY (.1941) CONSISTENCE/ MINERALOGY	OTHER PROFILE FACTORS 1942 SOIL WETNESS/ COLOR	1943 SOIL DEPTH	1956 SAPRO CLASS	1944 RESTR HORIZ	PROFILE CLASS & LTAR
1	Terrace Top 5-10%	0-32"	gr/ LS	Fr/SE SO/NS/NP	>44" TO soil wetness	60"	N/A	None	US III
		32-44"	SBK/ SCL	Fr/SE AP/SS/SP					
		44"+	plex						
2	LS	0-8"	gr/ SL	Fr/SE AP/NS/SP	760" TO soil wetness	60"	N/A	None	US
		8-24"	SBK SANIC	F:/SE AP/SD					
		24-46"	PL C	F:/ SE XP/SP					
		46-60"	M/C	F:/SE AP/ SD					
3	LS	0-16"	gr/SL	Fr/SE XP/NS/NP	2.5Y 7/2 @ 24"	43"	N/A	None	US
		16-32"	SBK/SC	F:/SE AP/SD					
		32-43"	plex						
4	LS	0-8"	gr/ LS	Fr/SE XP/NS/NP	2.5Y 7/1 @ 32"	45"	N/A	None	US
		8-19"	SBK/SC	F:/SE XP/SD					
		19-25"	SBK/C	F:/ SE XP/SP					
		25-45"	PL/C	VF:/ E XP/SP					

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

OTHER FACTORS (.1946):
SITE CLASSIFICATION (.1948): [illegible] Unsuitable
EVALUATED BY: William A'Morelli 2-24-98
OTHER(S) PRESENT: LSS

COMMENTS: 1100 Repair
Water coming out side in area of
plate valve

LEGEND

use the following standard abbreviations

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

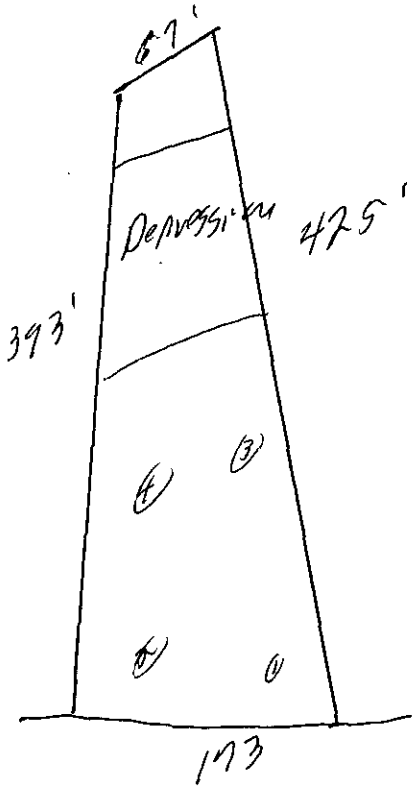
OTES

ORIZON DEPTH	In inches below natural soil surface
EPTH OF FILL	In inches from land surface
ESTRICTIVE HORIZON	Thickness and depth from land surface
IPROLITE	S(suitable) or U(unsuitable)
OIL 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
LASSIFICATION	S (Suitable), PS (Provisionally Suitable), or U (Unsuitable)

valuation of saprolite shall be by pits.
ong-term Acceptance Rate (LTAR): gal/day/ft²

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

2340B



Mecklenburg County
Health Department

March 4, 1998

Ramie Cushman
15333 Thomas Road
Charlotte, NC 28278

Re: Thomas Road, lot #2A
File: 2340B
Parcel: 217-041-09PO

Dear Mr. Cushman:

Receipt of your Application for Improvement Permit for the above referenced property is acknowledged. A soil evaluation and a site visit have been conducted. The results of the evaluation indicated that the site is **UNSUITABLE** under Rules .1941 **SOIL CHARACTERISTICS (MORPHOLOGY)**, .1942 **SOIL WETNESS CONDITIONS**, and .1945 **AVAILABLE SPACE**. For these reasons your Application for Improvement Permit is denied. A possible way to develop the site exists under Rule .1948(d) which reads as follows:

> A site classified as **UNSUITABLE** may be used for a ground absorption sewage treatment and disposal system specifically identified in Rules .1955, .1956, or .1957 of this Section or a system approved under Rule .1969 if written documentation, including engineering, hydrogeologic, geologic or soil studies, indicates to the local health department that the proposed system can be expected to function satisfactorily. Such sites shall be reclassified as **PROVISIONALLY SUITABLE** if the local health department determines that the substantiating data indicate that:
> (1) a ground absorption system can be installed so that the effluent will be non-pathogenic, non-infectious, non-toxic, and non-hazardous;
> (2) the effluent will not contaminate ground or surface water; and
> (3) the effluent will not be exposed on the ground surface or be discharged to surface waters where it could come in contact with people, animals, or vectors.

The State shall review the substantiating data if requested by the local health department.

Please be advised that you have the right to an informal review by this department. You also have the right to appeal under G.S. 130A-24, and to have the appeal held in Mecklenburg County.

If you have any questions regarding this matter, please call me at 336-5575.

Sincerely,

Kelly Randall

Kelly Randall, R.S., Soil Scientist
Individual Water and Wastewater Systems

Mecklenburg County
Health Department

January 27, 1998

Mr. Ramie Cushman
15333 Thomas Road
Charlotte, NC 28278

Re: Thomas Road
File: 2340B
Parcel: 217-041-09PO

Dear Mr. Cushman:

Receipt of your Application for Improvement Permit for the above referenced property is acknowledged. A soil evaluation and a site visit have been conducted. The results of the evaluation indicated that the site is **UNSUITABLE** under Rules .1941 **SOIL CHARACTERISTICS (MORPHOLOGY)**, .1943 **SOIL DEPTH** and .1945 **AVAILABLE SPACE**. For these reasons your Application for Improvement Permit is denied. A possible way to develop the site exists under Rule .1948(d) which reads as follows:

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> (1) a ground absorption system can be installed so that the effluent will be non-pathogenic, non-infectious, non-toxic, and non-hazardous;
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> The State shall review the substantiating data if requested by the local health department.

Please be advised that you have the right to an informal review by this department. You also have the right to appeal under G.S. 130A-24, and to have the appeal held in Mecklenburg County.

If you have any questions regarding this matter, please call me at 336-5575.

Sincerely,

Kelly Randall, R.S., Soil Scientist
Individual Water and Wastewater Systems

DIVISION OF ENVIRONMENTAL HEALTH
ON-SITE WASTEWATER SECTION

COUNTY: _____

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

#2 23403
PO 217-041-01
L-2A

OWNER Ronnie E. Cushman APPLICANT: _____
ADDRESS: 15333 Thomas Rd, Chas APPLICATION DATE: _____ DATE EVALUATED: _____
PROPOSED FACILITY: residence PROPOSED DESIGN FLOW (.1949): 360gpd PROPERTY SIZE: 1.06
LOCATION OF SITE: Thomas Road PROPERTY RECORDED: _____
WATER SUPPLY: ☒ Private ☐ Public ☐ Well ☐ Spring ☐ Other _____
EVALUATION METHOD: ☒ Auger Boring ☐ Pit ☐ Cut
TYPE OF WASTEWATER: ☐ Sewage ☐ Industrial Process ☐ Mixed

PROFILE #	slopes 5-10% .1940 LANDSCAPE POSITION/ SLOPE %	HORIZON DEPTH (IN.)	SOIL MORPHOLOGY (.1941) STRUCTURE/ TEXTURE	SOIL MORPHOLOGY (.1941) CONSISTENCE/ MINERALOGY	OTHER PROFILE FACTORS .1942 SOIL WETNESS/ COLOR	.1943 SOIL DEPTH	.1956 SAPRO CLASS	.1944 RESTR HORIZ	PROFILE CLASS & LTAR
1	LS	0-18"	gr/ sl	Fr/SEXP/NS/NP	7.5YR 6/8 TO soil wetness	46"	N/A	None	US IV
		18-22"	SBK/ scl	Fr/SEXP/SS/SP					
		22-32"	SBK/ sc	Fi/ SEXP/SS/P					
		32-46"	SBK/ pl / sc	Fi/ SEXP/SS/P					
2	LS	0-3"	gr/ sl	Fr/SEXP/NS/NP	7.5YR 6/8 TO soil wetness	37"	N/A	None	US
		3-6"	SBK/ scl	Fr/ SEXP/					
		6-37"	SBK/ c w/ pl inclusions	Fi-vFi/ EXP/ VS/VP					
3	LS	0-2"	gr/ sc/	Fr/ SEXP/SS/SP	7.5YR 6/8 TO soil wetness	35"	N/A	None	US
		2-20"	SBK / c pl inclusions	Fi/ SEXP/SS/P					
		20-35"	M/ c	vFi/ EXP/VS/VP					
4	LS	0-3"	gr/sc/	Fr/SEXP/SS/SP	7.5YR 6/8 TO soil wetness	36"	N/A	None	US IV
		3-23"	SBK/sc	Fi/ SEXP/SS/P					
		23-36"	SBK / c pl any incl	vFi- Fi/ EXP/ VS/VP					

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

OTHER FACTORS (.1946): _____
SITE CLASSIFICATION (.1948): Unsuitable
EVALUATED BY: W.A. Mullis 1-15-98
OTHER(S) PRESENT: LSS

ON-SITE WASTEWATER SECTION

COUNTY: _____

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

2340B

OWNER: _____ APPLICANT: _____

ADDRESS: _____ APPLICATION DATE: _____ DATE EVALUATED: _____

PROPOSED FACILITY: _____ PROPOSED DESIGN FLOW (.1949): _____ PROPERTY SIZE: _____

LOCATION OF SITE: _____ PROPERTY RECORDED: _____

WATER SUPPLY: ☐ Private ☐ Public ☐ Well ☐ Spring ☐ Other _____

EVALUATION METHOD: ☐ Auger Boring ☐ Pit ☐ Cut

TYPE OF WASTEWATER: ☐ Sewage ☐ Industrial Process ☐ Mixed

PROFILE #	.1940 LAND-SCAPE POSITION/ SLOPE %	HORI-ZON DEPTH (IN.)	SOIL MORPHOLOGY (.1941) STRUCTURE/ TEXTURE	SOIL MORPHOLOGY (.1941) CONSISTENCE/ MINERALOGY	OTHER PROFILE FACTORS .1942 SOIL WETNESS/ COLOR	.1943 SOIL DEPTH	.1956 SAPRO CLASS	.1944 RESTR HORIZ	PROFILE CLASS & LTAR
5	LS	0-29"	gr/sl	Fr/sEXP/NS/NP	43" ~~39"~~ TO soil wetness	43"	N/A	None	PS .29 PR /d. III
		29-37"	sBK/sc	Fr/sEXP/SS/SP					
		37-43"	sBK/c w/ pl. incl.	Fi-VFi/EXP/SS/SP					
6	LS	0-8"	gr/scl	Fr/sEXP/SS/SP	~31" TO soil wetness	31"	N/A	None	IV LS
		8-31"	sBK/sC Platy Lenses	Fi/sEXP/SS/P					
3									
4									

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: 100% Repair Unmarked mark additional

LEGEND

use the following standard abbreviations

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

OTES

ORIZON DEPTH In inches below natural soil surface

EPTH OF FILL In inches from land surface

ESTRICTIVE HORIZON Thickness and depth from land surface

APROLITE S(suitable) or U(unsuitable)

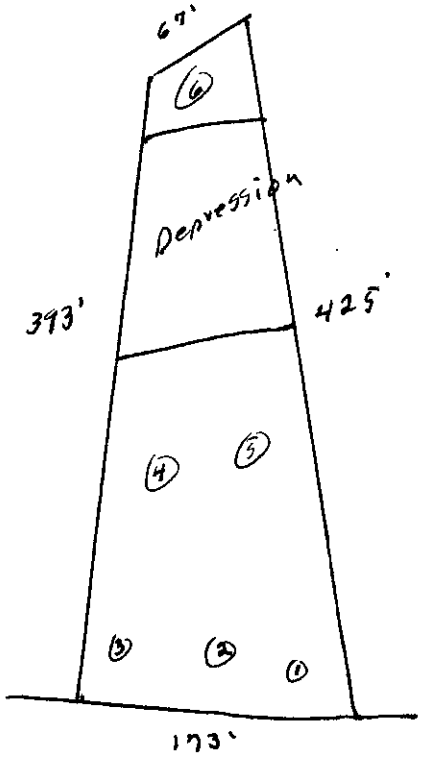
OIL WETNESS Inches from land surface to free water or inches from land surface to soil colors with chroma 2 or less - record Munsell color chip designation

LASSIFICATION S (Suitable), PS (Provisionally Suitable), or U (Unsuitable)

valuation of saprolite shall be by pits.

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

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



Thomas Rd

FEE: 100.00 CK # 5 22 DATE: 12/10/97 SK

APPLICATION FOR IMPROVEMENT PERMIT FOR RESIDENTIAL SITE INDIVIDUAL WATER AND WASTEWATER SYSTEMS PROGRAM

$175 CK# 1442 12/10/97 SC 3rd Septic 1 CRT

TYPE APPLICATION: ___ NEW SYSTEM ___ EXPANSION/ ALTERATION OF EXISTING SYSTEM ___ REPAIR OF EXISTING SYSTEM

NORTH CAROLINA
DEPARTMENT OF ENVIRONMENT,
HEALTH, AND NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL HEALTH
ON-SITE WASTEWATER SECTION

FILE #: 2340B

PROPERTY INFORMATION (FROM ENGINEERING FORM) FOR JOB LOCATION:

TAX/PARCEL NUMBER: 217-041-09P0

STREET ADDRESS: Thomas Rd

SUBDIVISION OR MOBILE HOME PARK NAME:

LOT NUMBER: Lot 2 A

TYPE OF BUILDING (CHECK ONE):

- ✓ SINGLE MOBILE HOME(S)
- ___ DOUBLE WIDE (D)
- ___ HOUSE (H)
- ___ MODULAR HOME (M)
- ___ MULTIPLE FAMILY (U)
- ___ OTHER (O)

TOWNSHIP (CHECK ONE):

- ✓ 0 MECKLENBURG
- ___ 1 CHARLOTTE
- ___ 2 DAVIDSON
- ___ 3 CORNELIUS
- ___ 4 PINEVILLE
- ___ 5 MATTHEWS
- ___ 6 HUNTERSVILLE
- ___ 7 MINT HILL

HEATED SQUARE FOOTAGE: 2000

NUMBER OF BEDROOMS: 3 NUMBER OF OCCUPANTS: 2

CLOSING DATE _____

FOUNDATION FOR RESIDENCE

- ___ WITHOUT BASEMENT ON SLAB
- ✓ CRAWL SPACE
- ___ WITH BASEMENT /PLUMBING
- ___ WITH BASEMENT /NO PLUMBING

IF EXPANSION/ALTERATION OF EXISTING SYSTEM, DESCRIBE THE PROPOSED BUILDING ADDITION:

WILL THERE BE A HOME BUSINESS IN THE RESIDENCE: ___ YES ✓ NO TYPE: _____

WATER SUPPLY (CHECK ONE):

- ___ COMMUNITY (C)
- ___ SHARED WELL (S)
- ___ MUNICIPAL (M)
- ___ OTHER 'SPRINGS' (O)
- ✓ PRIVATE WELL (P)

IF ANY OF THE FOLLOWING ARE LOCATED ON THE PROPERTY, PLEASE SHOW LOCATION ON PLAT:

BURIED CABLES, LANDFILLS, STUMPHOLES	___ YES ___ NO	WELL, SPRINGS OR WATERLINES	___ YES ___ NO
EXISTING WASTEWATER SYSTEMS	___ YES ___ NO	DESIGNATED WETLANDS	___ YES ___ NO
EASTMENTS OR RIGHT-OF-WAYS	___ YES ___ NO		

PROPERTY OWNER:

NAME: Cushman (LAST) Ramie (FIRST) E (MI)

ADDRESS: 15333 Thomas Rd

CITY: Charlotte STATE: NC ZIP: 28278

DAYTIME PHONE: ( ) 588-4851

LEGAL AGENT FOR PROPERTY OWNER, IF APPLICABLE:

NAME: (LAST) (FIRST) (MI)

DAYTIME PHONE: ( ) —

WHAT DATE WAS THE PROPERTY ORIGINALLY DEEDED AND RECORDED? _____

An Improvement Permit is subject to suspension or revocation if site plans or the intended use change or if information submitted in this application is falsified or changed. The undersigned, owner, or legal agent for the owner, of the property described above as the "Job Location" has read the foregoing application, acknowledges that the contents of same are true, and authorizes agents of the Mecklenburg County Health Department to enter onto the property for the purpose of processing this request.

SIGNED: [signature] DATE: 12-10-97

MECKLENBURG COUNTY HEALTH DEPARTMENT
ENVIRONMENTAL HEALTH DIVISION
c/o HAL MARSHALL CTR., SUITE 211, 700 N. TRYON ST., CHARLOTTE, N.C. 28202., (704) 336-5102

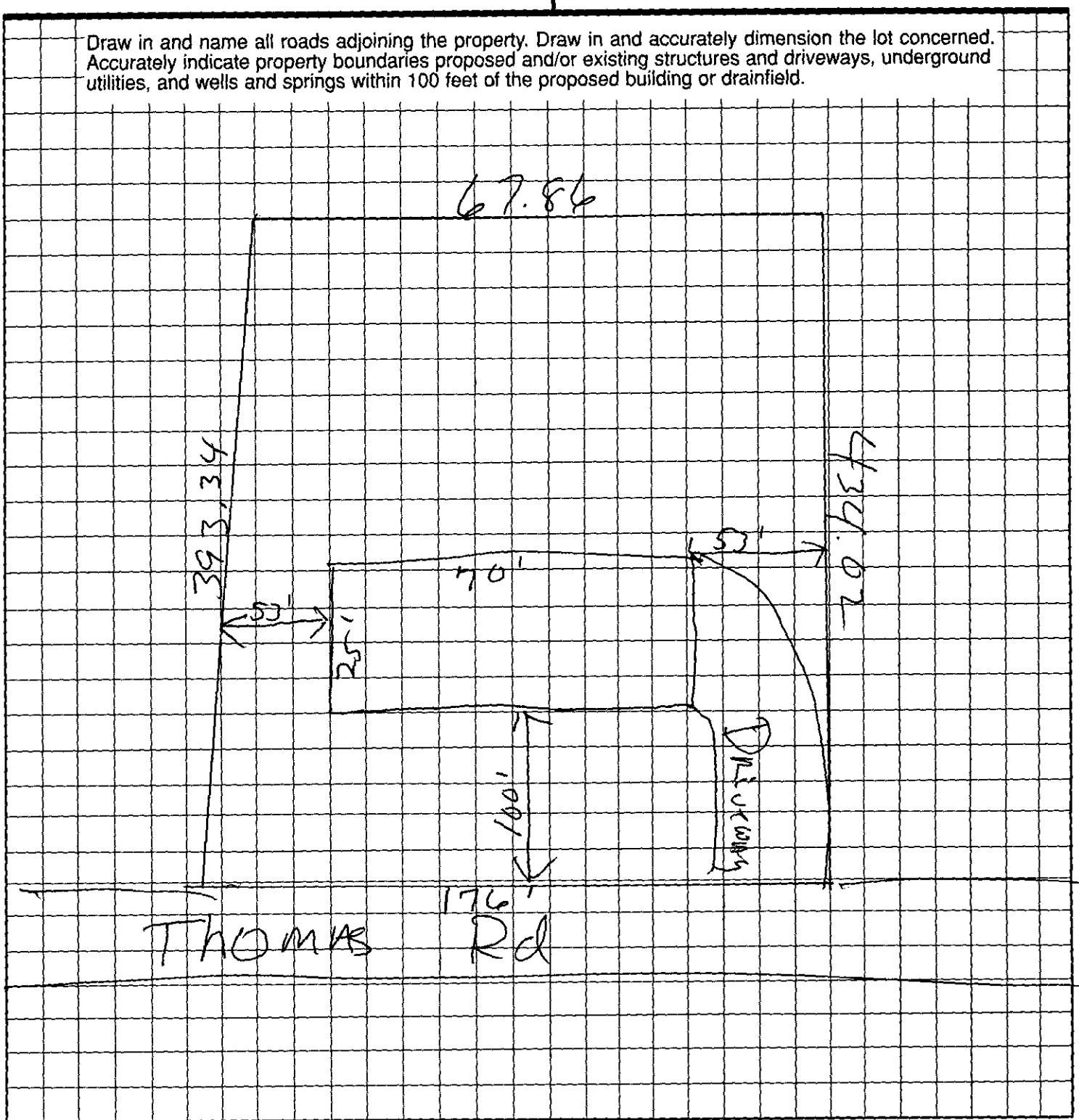
PROPOSED PLOT PLAN

HEALTH DEPARTMENT
ENVIRONMENTAL HEALTH DIVISION
700 NORTH TRYON STREET
CHARLOTTE, NC 28202
PHONE (704) 336-5102

FILE: 2340B

TC: 217-041-09 PO

Draw in and name all roads adjoining the property. Draw in and accurately dimension the lot concerned. Accurately indicate property boundaries proposed and/or existing structures and driveways, underground utilities, and wells and springs within 100 feet of the proposed building or drainfield.



OWNER/AGENT SIGNATURE

DATE 12-10-97

APPROVAL DATE _____

White - Health Department's Copy

Canary - E.H.S. Copy

Pink - Owner's Copy

SEE DETAIL: 2340B

147.9

E.I.P.

N 85° 30' 36" W 153.66'

N.I.P.

N 33° 29' 54" E 2963.78'

MONUMENT
"ZOAR"
83
538 FEET
816 FEET

S 29° 13' 15" E 419.93' (TOTAL)
395.72'

J.C. HUNTER
5502-383

LOT 1
AREA: 41,031.48 SQ.FT.
OR 0.9420 ACRE

N 23° 22' 3" W 322.74'
336.34' (TOTAL)

UNPAVED DRIVE

S 23° 22' 3" E 393.34' (TOTAL)
381.08'

LOT 2-A
AREA: 46,517.01 SQ.FT.
OR 1.0679 ACRE

N.I.P.

S 29° 4' 10" W 53.35'

S 67.86'

229.60' (TOTAL)
108.39'

N 39° 39' 54" W 425.12'
434.02' (TOTAL)

LOT 2-B
AREA: 46,926.31 SQ.FT.
OR 1.0773 ACRE

N 53° 56' 36" W 450.93'
500.63' (TOTAL)

LOT 3
AREA: 89,484.41 SQ.FT.
OR 2.0543 ACRES

114.11'

E.I.P.

N 71° 23' 14" W 313.87'
344.50'

A.L. THOMAS, JR.
3882-54

AREA IN R/W:
8,399.30 SQ.FT.
OR 0.1928 ACRE

30' SETBACK

N.I.P.

N 12° 52' 9" E 82.86'

EXISTING SPIKE

N 25° 7' 4" E CHORD: 190.94'
L=192.40'

N 37° 34' 52" E CHORD: 376.25'
R=450.00' L=388.17'

N 47° 40' 40" E CHORD: 161.97'
161.10'

N 60° 8' 28" E CHORD: 33.79'
L=33.80'

N 60° 37' 43" E 260.54'

E.I.P. ON LINE
N.I.P.
7.54'
16.67'

AREA IN R/W:
1,450.95 SQ.FT.
OR 0.0333 ACRE

95.00'
95.52'

N.I.P.
14.17'
(TOTAL)

AREA IN R/W:
925.14 SQ.FT.
OR 0.0212 ACRE

N.I.P.
70.20'
N 62° 17' 34" E 70.37'
139.91'
305.11'
(TOTAL)

12.26'

AREA IN R/W:
1,737.78 SQ.FT.
OR 0.0399 ACRE

N.I.P.
N 62° 17' 34" E 176.52'
N 60° 44' 22" E 520.96' (TOTAL)

8.90'

AREA IN R/W:
3,910.49 SQ.FT.
OR 0.0898 ACRE

N.I.P.
176.08'

E.I.P.
N 11° 8' 35" W 4.47'
4.47'

ASPHALT

ASPHALT

THOMAS ROAD (S.R. #1104)
(60' R/W)

FLOOD CERTIFICATION

THIS IS TO CERTIFY THAT THE SUBJECT PROPERTY IS NOT LOCATED IN A SPECIAL FLOOD HAZARD AREA AS SHOWN ON MAPS PREPARED BY THE FEDERAL EMERGENCY MANAGEMENT AGENCY, FEDERAL INSURANCE ADMINISTRATION, DATED FEBRUARY 3, 1993.

THIS IS TO CERTIFY THAT ON THE 04 DAY OF DECEMBER 19 97 AN ACTUAL SURVEY WAS MADE UNDER MY SUPERVISION OF THE PROPERTY SHOWN ON THIS PLAT, AND THAT THE BOUNDARY LINES AND THE IMPROVEMENTS, IF ANY, ARE AS SHOWN HEREON. THIS PLAT MEETS THE MINIMUM STANDARDS OF PRACTICE FOR LAND SURVEYING IN NORTH CAROLINA, BOARD RULE .1600 (21 NCAC 56) AND THE ERROR OF CLOSURE FOR THIS PARCEL DOES NOT EXCEED ONE (1) FOOT PER 10,000 FEET OF PERIMETER SURVEYED NOR 20 SECONDS TIMES THE SQUARE ROOT OF THE NUMBER OF ANGLES TURNED.

SIGNED James H. Mannion

REVISIONS

CREW:	DRAWN:	REVISED
MH	LG	