

8817 KERNS MEADOW LN

01523132

1/9/2008

duponbj

Groundwater and Wastewater Services File Imaging Project
May 2007
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Groundwater & Wastewater Services
Septic Project File & Data Review Worksheet

GWS File #: 62163 WASPS App #: _____

Primary ES assigned to project: OT

Secondary ES assigned to project: _____

Project Type: New System ☑ Alteration ☐ Repair ☐ Modified Plot Plan ☐

I. File Review:

Rule or Law	Permit Application			
.1937(d)	Is the Application complete	Yes ☑	No ☐	N/A ☐
.1937(d)	Is there a Site plan/Plat with application	Yes ☑	No ☐	N/A ☐
.1937(d)	Is the Facility shown?	Yes ☑	No ☐	N/A ☐
.1937(d)	Are appurtenances shown	Yes ☑	No ☐	N/A ☐
	Site Evaluation Information			
.1939 (a)(1)	Topography and Landscape Position Recorded?	Yes ☑	No ☐	N/A ☐
.1940 (a-g)	Slope % Recorded?	Yes ☑	No ☐	N/A ☐
.1939 (a)(2)	Texture Class Recorded?	Yes ☑	No ☐	N/A ☐
.1939 (a)(2)	Structure type Recorded?	Yes ☑	No ☐	N/A ☐
.1939 (a)(2)	Consistence Recorded?	Yes ☑	No ☐	N/A ☐
.1939 (a)(2)	Mineralogy Recorded?	Yes ☑	No ☐	N/A ☐
.1939 (a)(3)	Soil Wetness Condition Recorded?	Yes ☐	No ☐	N/A ☑
.1939 (a)(4)	Soil Depth to Rock or Parent Material Recorded When Encountered	Yes ☐	No ☐	N/A ☑
.1939 (a)(5)	Depth to Restrictive Horizons Recorded When Encountered?	Yes ☐	No ☐	N/A ☑
.1939 (a)(6)	Sufficient Available Space Recorded?	Yes ☑	No ☐	N/A ☐
.1937(m)	Are the Profile Locations Shown?			
.1939(a)	Are the S/PS Profiles in system & in repair area?	Yes ☑	No ☐	N/A ☐
& .1945(b)	Number of auger borings made: 10			
	Were sufficient auger borings made?	Yes ☑	No ☐	N/A ☐
.1939(d), .1955, .1956, .1957	LTAR .25	Yes ☑	No ☐	N/A ☐
	Improvement Permit/Construction Authorization			
.1937(g) 130A-336(a)	Proposed System Type stated-Initial	Yes ☑	No ☐	N/A ☐
.1945(b)	Proposed System Type stated-Repair	Yes ☑	No ☐	N/A ☐
130A-336 (a)(3)	System location identifiable by setbacks - Initial	Yes ☑	No ☐	N/A ☐
.1937(g) .1945(b)	System components shown – Initial	Yes ☑	No ☐	N/A ☐
.1945(b)	Repair area shown	Yes ☑	No ☐	N/A ☐
.1937 (f)(g)	Does System design match facility, flow & WWcharacteristics?	Yes ☑	No ☐	N/A ☐
.1937 (f)(g)	Is System design consistent with soil/site conditions?	Yes ☑	No ☐	N/A ☐
.1937 (f)(g)	Is the System located in the approved area?	Yes ☑	No ☐	N/A ☐
130A-336(a)	Is the Design flow (gpd) indicated?	Yes ☑	No ☐	N/A ☐

130A-336(a)	Number of Bedrooms, employees, seats, etc. indicated?	Yes ☑	No ☐	N/A ☐
.1937(g)	Trench depth indicated?	Yes ☑	No ☐	N/A ☐
.1937(g)	Trench width indicated?	Yes ☑	No ☐	N/A ☐
.1937(g)	Trench length indicated?	Yes ☑	No ☐	N/A ☐
130A-336(a)(1)	Proposed/existing well shown?	Yes ☑	No ☐	N/A ☐
130A-336(a)(1)	Property line lengths shown?	Yes ☑	No ☐	N/A ☐
130A-336(a)	Facility/appurtenance setbacks shown from fixed points?	Yes ☑	No ☐	N/A ☐
	Operation Permit			
.1937(i)	System type as described in table V(a) of rule .1961	Yes ☐	No ☐	N/A ☐
.1937(i)	Conditions for system performance, operation, maintenance, monitoring and reporting.	Yes ☐	No ☐	N/A ☐

II. WASPS Review:

Construction authorization issued	Yes ☑	No ☐	N/A ☐
Installation approval issued	Yes ☑	No ☐	N/A ☐
Operation permit issued	Yes ☐	No ☐	N/A ☐
Other related documentation	Yes ☐	No ☐	N/A ☐

Items requiring correction/modification: 1

Comments: Hold for alarm inspection before CO

IA issued date: 2-4-08

OP issued date: 5/19/08 YSW Hold for alarm inspection

Review performed by: _____ Date performed: 07/20/07

RC 4pp 2657
5 70825

GWS – RES. APP 07/05

SEPTIC FEE: 200.00
DATE: 11/2/05
CRT [ ]

PERMIT APPLICATION FOR A RESIDENTIAL SITE IMPROVEMENT PERMIT / CONSTRUCTION AUTHORIZATION FOR ON-SITE WASTEWATER SYSTEM NEW WELL INSTALLATION OR REPAIR OF EXISTING WELL MECKLENBURG COUNTY GROUNDWATER & WASTEWATER SERVICES

FILE # 6216B

WELL FEE:
DATE:
CRT [ ]

SEPTIC / TYPE APPLICATION: ☐ NONE ☑ NEW SYSTEM ☐ ALTERATION ☐ REPAIR ☐ MODIFY PLOT PLAN

WELL / TYPE APPLICATION: ☐ NONE ☐ NEW WELL ☐ MAJOR REPAIR ☐ ABANDONMENT

JOB LOCATION INFORMATION:

TAX/PARCEL #: 015-231-01 - PO
STREET ADDRESS: Keans Road
CITY: Huntersville
STATE: NC ZIP: 28078
SUBDIVISION OR MOBILE HOME PARK NAME:
LOT #: 10
TOWNSHIP:

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

BUILDING INFORMATION:

TYPE OF BUILDING:

☐ SINGLE MOBILE HOME (S) ☐ MODULAR HOME (M)
☐ DOUBLE WIDE (D) ☐ MULTIPLE FAMILY (U)
☑ HOUSE (H) ☐ OTHER

HEATED SQUARE FOOTAGE:
NUMBER OF BEDROOMS: 4
NUMBER OF OCCUPANTS:

FOUNDATION FOR RESIDENCE:

☐ CONCRETE SLAB ☐ BASEMENT WITH PLUMBING
☐ CRAWLSPACE ☐ BASEMENT WITH NO PLUMBING

IF PLANNING TO EXPAND/ALTER THE EXISTING SYSTEM INDICATE THE FOLLOWING CHANGES:

NUMBER OF BEDROOMS TO BE ADDED: NUMBER OF ADDITIONAL OCCUPANTS IN THE RESIDENCE:
WILL THERE BE A HOME BUSINESS IN THE RESIDENCE? ☐ YES ☑ NO TYPE:

WATER SUPPLY:

☐ MUNICIPAL (M) ☐ PUBLIC (C) ☑ PRIVATE WELL (P) ☐ SHARED WELL (S) ☐ OTHER 'SPRINGS' (O)

PROPOSED USE OF WELL: ☐ N/A ☐ IRRIGATION ☐ POTABLE ☐ GEOTHERMAL ☐ OTHER

ARE ANY OF THE FOLLOWING LOCATED ON THE PROPERTY? IF SO, PLEASE SHOW LOCATION ON SITE PLAN/PLAT.

BURIED CABLES, LANDFILLS, STUMPHOLES	☐ YES	☑ NO	WELLS, SPRINGS, OR WATER LINES	☐ YES	☑ NO
EXISTING WASTEWATER SYSTEMS	☐ YES	☑ NO	DESIGNATED WETLANDS	☐ YES	☑ NO
EASEMENTS OR RIGHT-OF-WAYS	☐ YES	☑ NO	GRADING/SOIL REMOVAL PERFORMED	☐ YES	☑ NO

PROPERTY OWNER:

NAME: Hecht Properties
ADDRESS: 885 N Hwy 16
CITY: Denver
STATE: ZIP: 28037
HOME PHONE: 704 533-7547 WORK PHONE:
MOBILE PHONE: 704-996-0117 FAX:

LEGAL AGENT FOR PROPERTY OWNER, IF APPLICABLE:

NAME: DANNY Edwards
ADDRESS: 19300 Statesville Rd
CITY: Cornelius
STATE: ZIP: 28031
HOME PHONE: WORK PHONE:
MOBILE PHONE: 704-996-0117 FAX:

WHAT DATE WAS THE PROPERTY ORIGINALLY DEEDED AND RECORDED?
WHAT IS THE ANTICIPATED CLOSING DATE FOR THIS PROPERTY?

*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 the Mecklenburg County Health Department to enter onto the property for the purpose of processing this request.

Danny Edwards 11-02-05
Owner's/Agent's Signature Date

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

*A Well 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 the Mecklenburg County Health Department to enter onto the property for the purpose of processing this request.

Owner's/Agent's Signature Date

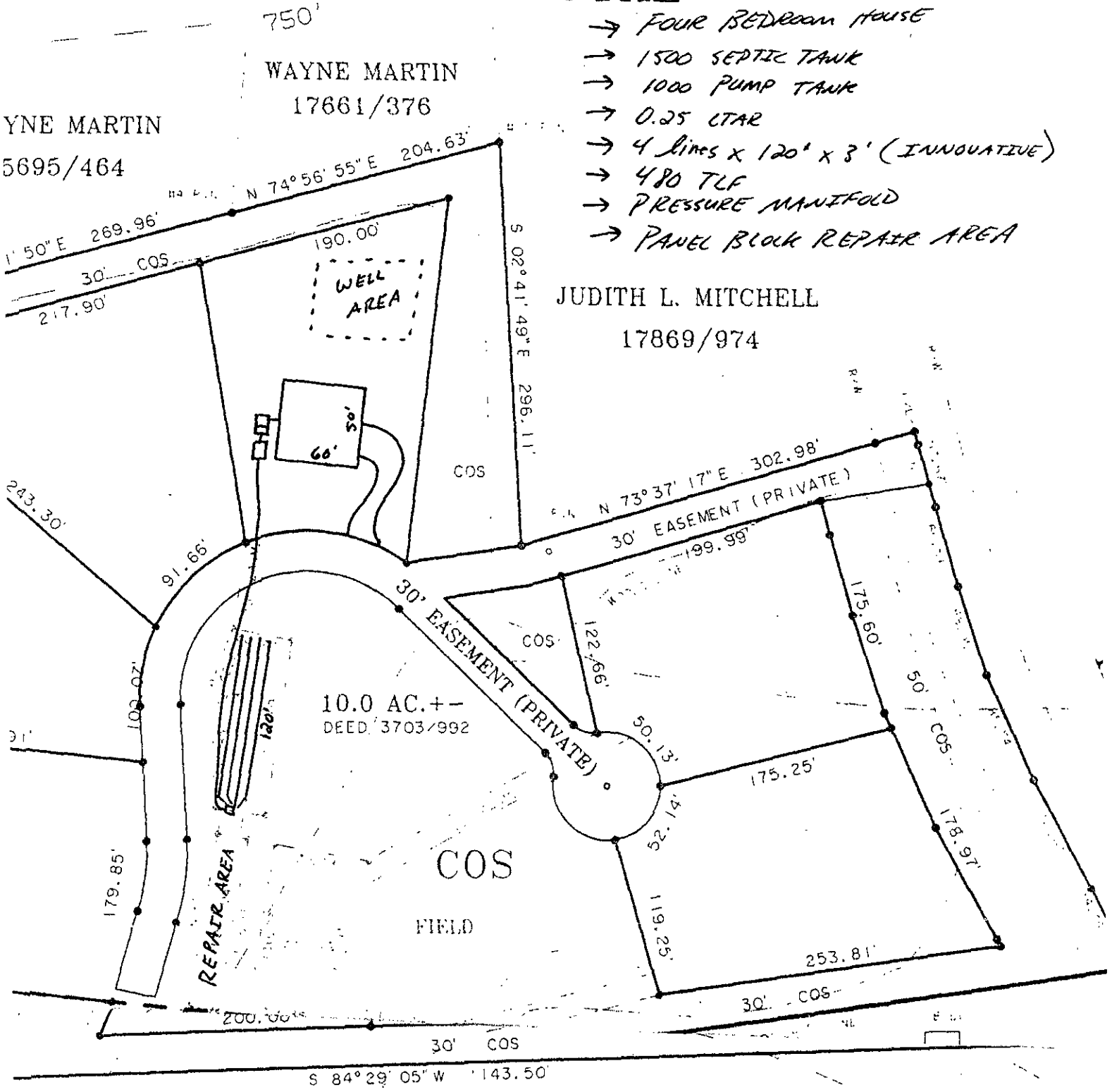
MECKLENBURG COUNTY HEALTH DEPARTMENT
GROUNDWATER & WASTEWATER SERVICES
700 N. TRYON ST., SUITE 211
CHARLOTTE, NC 28202 704-336-5103 / FAX: 704-336-6894

LOT #10 KERNS MEADOW

FILE # 62168
LOT #10

22.3 AC.+- TOTAL

- → FOUR BEDROOM HOUSE
- → 1500 SEPTIC TANK
- → 1000 PUMP TANK
- → 0.25 CTAR
- → 4 lines x 120' x 3' (INNOVATIVE)
- → 480 TLF
- → PRESSURE MANIFOLD
- → PANEL BLOCK REPAIR AREA



Jimmy Mitchell, P.E.
1/18/06

CONDITIONS OF IMPROVEMENT PERMIT / CONSTRUCTION AUTHORIZATON

Permit Number: **6216B** Tax Number: **01523101 PO**

- The IMPROVEMENT PERMIT is subject to revocation if site plans or the intended use change. There is to be **NO** grading, filling, or disturbance of the soil in the area of the septic tank system or repair area.
- CONSTRUCTION AUTHORIZATION must be obtained prior to receiving a Building Permit. The Construction Authorization is **NOT** transferable. Do not clear, grade, fill or disturb soil prior to obtaining a Construction Authorization.
- Domestic-type wastewater only. No industrial process wastewater may be discharged into the system.

Basement: ☐ Yes ☒ No ☐ Partial Basement

Primary Wastewater System

Type: ☐ I ☐ II ☒ III ☐ IV ☐ V ☐ VI

☐ Conventional
☐ Prefabricated, permeable block panel system
☐ Shallow Placed Conventional
☐ Low Pressure Pipe
☐ Large Diameter Pipe
☐ Fill
☐ Other
☒ Innovative or Experimental:

0.25 Long-term acceptance rate (GPD/ft^2)	480 Max gallons/day wastewater flow	1440 Absorption Area (ft^2)	9 Trench spacing (min. on centers) (ft)
Serviced by private well: ☒ Yes ☐ No	1500 Gallon septic tank	480 Total trench length (ft)	24 Maximum trench depth (in) (At least 12" of provisionally suitable soil must remain between trench bottom and unsuitable soil conditions.)
4 Bedrooms in residence	1000 Gallon pump tank	NA Depth of stone (in)	

Any surface water present: **NO** Type: Minimum separation distance (ft):

Additional conditions: **Agreement forms on file before CA release.**
Easement agreement forms on file before CA release.

Repair Area System

Type: ☐ I ☐ II ☐ III ☒ IV ☐ V ☐ VI

☐ Conventional
☒ Prefabricated, permeable block panel system
☐ Shallow Placed Conventional
☐ Low Pressure Pipe
☐ Large Diameter Pipe
☐ Fill
☐ Other
☐ Innovative or Experimental:

960 Absorption Area (ft^2) 320 Total trench length (ft)	NA Depth of stone (in)	9 Trench spacing (min. on centers) (ft)	30 Maximum trench depth (in)

The undersigned, an authorized agent of the MECKLENBURG COUNTY HEALTH DEPARTMENT, certifies that the Department has approved the Request for the Job Location contained in this document. The approval is granted in accordance with the provisions of Laws and Rules For Sewage Treatment, and Disposal Systems in effect at the time of issuance of the permit and is subject to the following provisions:

*** No work shall be conducted on the septic tank system until an Installation, Construction, Alteration and/or Repair Approval is granted by this Department.

*** This Improvement permit is transferable.

Tony Mullis, R.S. 1/18/06
DENR Authorized Agent Date

Harold B. Edwards 1-19-06
Owner/Agent Signature Date

MECKLENBURG COUNTY HEALTH DEPARTMENT
ENVIRONMENTAL HEALTH DIVISION
700 N. TRYON ST., SUITE 211
CHARLOTTE, NC 28202
PHONE: (704) 336-5103
FAX: (704) 336-6894

NC DENR
DIVISION OF ENVIRONMENTAL HEALTH
ON-SITE WASTEWATER SECTION

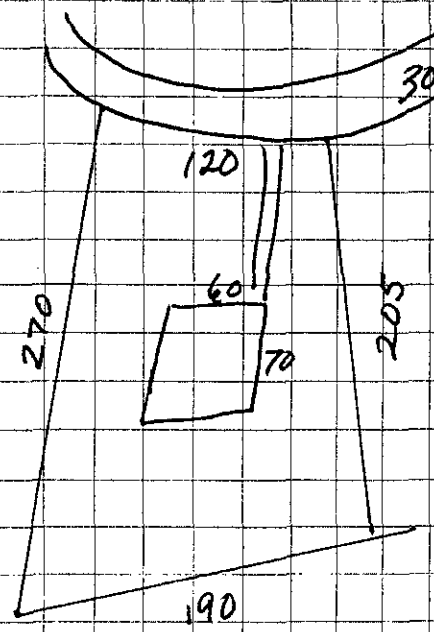
PROPOSED PLOT PLAN

HEALTH DEPARTMENT
ENVIRONMENTAL HEALTH DIVISION
700 NORTH TRYON ST., SUITE 211
CHARLOTTE, NC 28202
PHONE (704) 336-5103

FILE: 6216B

TC: _____

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.



APPROVAL DATE _____

OWNER/AGENT SIGNATURE

DATE

White - Health Department's Copy Canary - E.H.S. Copy Pink - Owner's Copy

Department of Environment, Health, and Natural Resources
Division of Environmental Health
On-site Wastewater Section

Sheet: 1 of 3
Property ID: PO 015-231-01
Lot #: COS area, 10, 11, 12
File #:
Code:

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

Owner: Hecht Properties
Applicant: Danny Edwards
Address: 885 N Highway 16, Denver, N. C. 28037
Date Evaluated: 11/16/05
Proposed Facility: Design Flow (.1949):
Property Size: 1.8a
Location of Site: Off Kerns Road
Property Recorded:
Water Supply: [ ] Public [ ] Individual [ ] 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	.1941 Consistence Mineralogy	OTHER PROFILE FACTORS .1942 Soil Wetness/ Color	.1943 Soil Depth (IN.)	.1956 Sapro Class	.1944 Restr Horiz	Profile Class & LTAR
A	LS, 6	0-6	GR/CL	FR/SEXP/SS/SP	>39" TO SOIL WETNESS	39	N/A	NONE	PS, IV .25GPD/FT^2
		6-30	SBK/C	FI/SEXP/S/P					
		30-39	SBK/CL	FR/SEXP/SS/SP					
B	"	0-5	GR/CL	"	>42" TO SOIL WETNESS	42	"	"	PS, IV .225GPD/FT^2
		5-42	SBK/C	FI/SEXP/S/P					
C	"	0-4	GR/CL	FR/SEXP/SS/SP	>30" TO SOIL WETNESS	30	"	"	US, IV .225GPD/FT^2
		4-30	SBK/C	FI/SEXP/S/P					
D	"	0-5	GR/CL	FR/SEXP/SS/SP	>22" TO SOIL WETNESS	22	"	"	US, IV
		5-22	SBK/C	FI/SEXP/S/P					
		22+	M/CL	FR/SEXP/SS/SP					
E	"	0-5	GR/CL	"	>48" TO SOIL WETNESS	48	"	"	PS, IV .25GPD/FT^2
		5-30	SBK/C	FI/SEXP/S/P					
		30-48	SBK/CL	FR/SEXP/SS/SP					
F	"	0-4	GR/CL	"	"	"	"	"	"
		4-39	SBK/C	FI/SEXP/S/P					
		39-48	SBK/CL	FR/SEXP/SS/SP					
G	"	0-5	GR/CL	"	>46" TO SOIL WETNESS	46	"	"	"
		5-32	SBK/C	FI/SEXP/S/P					
		32-46	SBK/CL	FR/SEXP/SS/SP					

Description	Initial System	Repair System
Available Space (.1945)	PS	PS
System Type(s)	III	III
Site LTAR	0.25	0.25

Other Factors (.1946): Off-site areas for lots 10, 11, 12
Site Classification (.1948):
Evaluated By: W. R. Marlin, LSS, 11/17/2005,
Others Present:

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM
CONTINUED

PROFILE	.1940 Landscape Position/ Slope%	Horizon Depth (IN.)	SOIL MORPHOLOGY .1941 .1941 Structure/ Texture	.1941 Consistence Mineralogy	OTHER PROFILE FACTORS .1942 Soil Wetness/ Color	.1943 Soil Depth (IN.)	.1956 Sapro Class	.1944 Restr Horiz	Profile Class & LTAR
H	LS, 6	0-4	GR/CL	FR/SEXP/SS/SP	>48" TO SOIL WETNESS	48	N/A	NONE	PS, IV
		4-25	SBK/C	FI/SEXP/S/P					.3GPD/FT^2
		25-48	SBK/CL	FR/SEXP/SS/SP					
I	"	0-5	GR/CL	"	"	"	"	"	PS, IV
		5-32	SBK/C	FI/SEXP/S/P					.25GPD/FT^2
		32-48	SBK/CL	FR/SEXP/SS/SP					
J	"	0-4	GR/CL	"	>26" TO SOIL WETNESS	26	"	"	US, IV
		4-26	SBK/C	FI/SEXP/S/P					.1GPD/FT^2

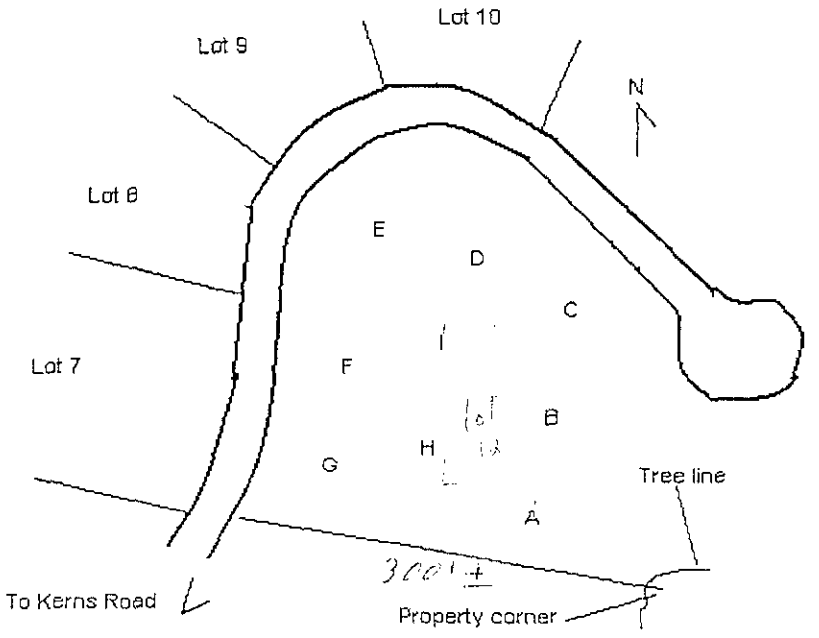
COMMENTS:
FILE #:

Off-site areas for lots 10, 11, 12

Landscape Position	Group	Texture	.1955 LTAR	Structure
R-Ridge	I	S-Sand	1.2 - 0.8	SG-Single Grain
SS-Shoulder Slope		LS-Loamy Sand		M-Massive
LS-Linear Slope				CR-Crumb
FS-Food Slope	II	SL-Sandy Loam	0.8 - 0.6	GR-Granular
NS-Nose Slope		L-Loam		SBK-Subangular Blocky
HS-Head Slope				ABK-Angular Blocky
CC-Concave Slope	III	SI-Silt	0.6 - 0.3	PL-Platy
CV-Convex Slope		SICL-Silty Clay Loam		PR-Prismatic
T-Terrace		CL-Clay Loam		
FP-Flood Plain		SCL-Sandy Clay Loam		
	IV	SC-Sandy Clay	0.4 - 0.1	
		SIC-Silty Clay		
		C-Clay		

Consistence Moist	Consistence Wet	Mineralogy
VFR-Very Friable	NS-Non-Sticky	SEXP-Slightly Expansive
FR-Friable	SS-Slightly Sticky	EXP-Expansive
FI-Firm	S-Sticky	
VFI-Very Firm	VS-Very Sticky	
EFI-Extremely Firm	NP-Non-Plastic	
	SP-Slightly Plastic	
	P-Plastic	
	VP-Very Plastic	

Sketch of Soil Evaluation Locations



Department of Environment, Health, and Natural Resources
Division of Environmental Health
On-site Wastewater Section

Sheet: 1 of 2
Property ID: PO 015-231-01
Lot #: 10
File #: 6216B
Code: 3

AC

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

Owner: Hecht Properties
Applicant: Danny Edwards
Address: 885 N Highway 16, Denver, N. C. 28037
Date Evaluated: 11/16/05
Proposed Facility: Residence
Design Flow (.1949): 480gpd
Property Size: .79a
Location of Site: Off Kerns
Property Recorded:
Water Supply: [ ] Public [x] Individual [x] Well [ ] Spring [ ] Other
Evaluation Method: [x] Auger Boring [ ] Pit [ ] Cut
Type of Wastewater: [x] Sewage [ ] Industrial Process [ ] Mixed

PROFILE #	.1940 Landscape Position/ Slope%	Horizon Depth (IN.)	SOIL MORPHOLOGY .1941 .1941 Structure/ Texture	.1941 Consistence Mineralogy	OTHER PROFILE FACTORS .1942 Soil Wetness/ Color	.1943 Soil Depth (IN.)	.1956 Sapro Class	.1944 Restr Horiz	Profile Class & LTAR
1	LS, 6	0-9	GR/CL	FR/SEXP/SS/SP	>39" TO SOIL WETNESS	37	N/A	NONE	US
		9-37	SBK/ABK/C	VFI/EXP/VS/VP					
2	"	0-11	GR/CL	FR/SEXP/SS/SP	>32" TO SOIL WETNESS	32+	"	"	"
		11-32	SBK/ABK/C	VFI/EXP/VS/VP					
3	"	0-8	GR/CL	FR/SEXP/SS/SP	>36" TO SOIL WETNESS	36	"	"	"
		8-36	SBK/ABK/C	VFI/EXP/VS/VP					
4	"	0-6	GR/CL	FR/SEXP/SS/SP	>19" TO SOIL WETNESS	19+	"	"	"
		6-19	ABK/C	VFI/EXP/VS/VP					

Description	Initial System	Repair System
Available Space (.1945)	US	
System Type(s)		
Site LTAR		

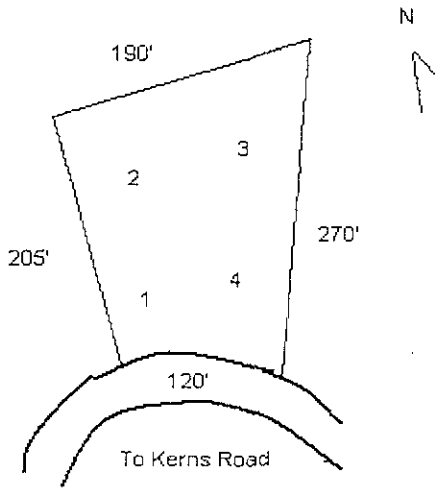
Other Factors (.1946):
Site Classification (.1948): UNSUITABLE
Evaluated By: W. R. Marlin, LSS, 11/17/2005. W. R. Marlin
Others Present:

COMMENTS:
100% repair

Landscape Position	Group	Texture	.1955 LTAR	Structure
R-Ridge	I	S-Sand	1.2 - 0.8	SG-Single Grain
SS-Shoulder Slope		LS-Loamy Sand		M-Massive
LS-Linear Slope				CR-Crumb
FS-Food Slope	II	SL-Sandy Loam	0.8 - 0.6	GR-Granular
NS-Nose Slope		L-Loam		SBK-Subangular Blocky
HS-Head Slope				ABK-Angular Blocky
CC-Concave Slope	III	SI-Silt	0.6 - 0.3	PL-Platy
CV-Convex Slope		SICL-Silty Clay Loam		PR-Prismatic
T-Terrace		CL-Clay Loam		
FP-Flood Plain		SCL-Sandy Clay Loam		
	IV	SC-Sandy Clay	0.4 - 0.1	
		SIC-Silty Clay		
		C-Clay		

Consistence Moist	Consistence Wet	Mineralogy
VFR-Very Friable	NS-Non-Sticky	SEXP-Slightly Expansive
FR-Friable	SS-Slightly Sticky	EXP-Expansive
FI-Firm	S-Sticky	
VFI-Very Firm	VS-Very Sticky	
EFI-Extremely Firm	NP-Non-Plastic	
	SP-Slightly Plastic	
	P-Plastic	
	VP-Very Plastic	

Sketch of Soil Evaluation Locations



Mecklenburg County Groundwater & Wastewater Services
700 N. Tryon St., Suite 211 Charlotte, NC 28202
Phone: (704) 336-5103 Fax: (704) 336-6894

NC DENR
Division of Environmental Health
On-Site Wastewater Section

INSTALLATION APPROVAL for an
ON-SITE WASTEWATER TREATMENT & DISPOSAL SYSTEM

File #: 62168 Permit #: _____ Tax Parcel #: 015-231-32

Property Owner: THORSEN COLBERG

Job Location Address: 8817 KERNS MEADOW LANE

City: HUNTERSVILLE State: NC Zip Code: 28078

Installation Approval Issuance Date: 2/4/08

Permission is hereby given to ☒ install ☐ alter ☐ repair an on-site wastewater treatment & and disposal system, with subsurface soil absorption and effluent discharge, as specified herein at the described location. This approval is granted based upon the application information submitted to our office. All work shall be completed on or before 3/4/08, after which date this approval shall be null and void. The system shall meet all of the construction requirements of 15A NCAC 18A. 1900 which are in effect on the date of granting this approval. An **Operation Permit** must be obtained from the Mecklenburg County Health Department before any system can be covered up or placed into service. The issuance of this permit does not in any way guarantee that the system anticipated to be constructed will operate properly, or relieve any person now of hereafter owning, controlling or using such system from any liability resulting from the failure of the system to operate properly.

***NOTICE: This system shall not be installed while soils are in a wet condition.**

Permitted Design Flow: 480 GPD

Site LTAR: 0.25 GPD/ft² (For new installations only.)

Liquid Capacity of Septic Tank: 1500 gallons

Liquid Capacity of Dosing Tank: 1000 gallons

Drainfield Design ☐ N/A

Trench Depth: 24 inches

Trench Width: 3 feet

Line Spacing: 9 feet (O.C.)

Total line length: 480 feet

# of Lines: 4 @ 120 feet

Depth of Media: 12 inches (Type) 25% Red.

Distribution Device: PRESSURE MANIFOLD

Bed Design *(For Repair Installations ONLY.)* ☒ N/A

Bed Depth: _____ inches

Bed Width: _____ feet

Total line length: _____ feet

# of Lines: _____ @ _____ feet

Depth of Media: _____ inches (Type) _____

Distribution Device: _____

Water Supply Source

☐ Municipal ☒ Private Well ☐ Community Well

☐ Other _____

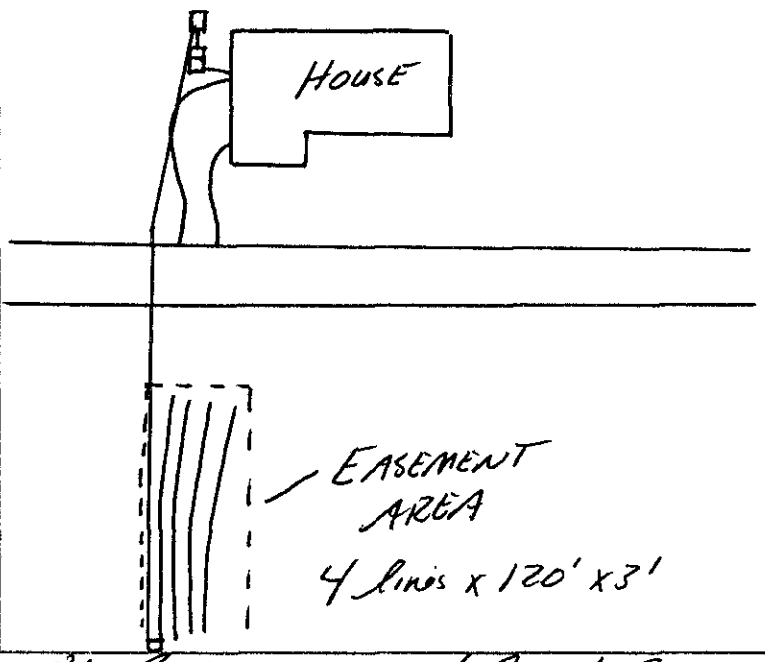
Minimum System Setbacks

Distance from Building Foundation: >5' feet

Distance from Property Line: 710' feet

Distance from Water Supply Source: >50' feet

SKETCH OF SYSTEM LAYOUT
(Proposed Layout)



Comments: System Classification & Type: Type 25% Red. System / Panel / Repair
PRESSURE MANIFOLD

DENR Authorized Agent: Jeremy Nicholson, R.S. Signature: Jeremy Nicholson, R.S.

Mecklenburg County Groundwater & Wastewater Services
700 N. Tryon St., Suite 211 Charlotte, NC 28202
Phone: (704) 336-5103 Fax: (704) 336-6894

NC DENR
Division of Environmental Health
On-Site Wastewater Section

OPERATION PERMIT for an
ON-SITE WASTEWATER TREATMENT & DISPOSAL SYSTEM

File #: 6216B Permit #: _____ Tax Parcel #: 015-281-32

Property Owner: THORSEN COLBERG

Job Location Address: 8817 KERNS MEADOW LANE

City: HUNTERSVILLE State: NC Zip Code: 28078

Operation Permit Issuance Date: 5/16/08 Contractor Name: A-1 BACKHOE (#1117)

Permitted Design Flow: 480 GPD

Liquid Capacity of Septic Tank: 1500 gallons

Liquid Capacity of Dosing Tank: 1000 gallons

Effluent Pump Model: GOULDS 1/3

Drainfield Installation ☐ N/A

Trench Depth: 24 inches

Trench Width: 3 feet

Line Spacing: 9 feet (O.C.)

Total line length: 480 feet

# of Lines: 4 @ 120 feet

Depth of Media: 12 inches (Type) CHAMBER

Depth of Cover: 12 inches

Distribution Device: PRESSURE MANIFOLD

Inspection Dates

Tank(s) Inspected: 2/6/08

Excavation Inspected: 2/7/08

Pump & Controls Inspected: 5/16/08

Bed Installation *(For Repair Installations ONLY.)* ☒ N/A

Bed Depth: _____ inches

Bed Width: _____ feet

Total line length: _____ feet

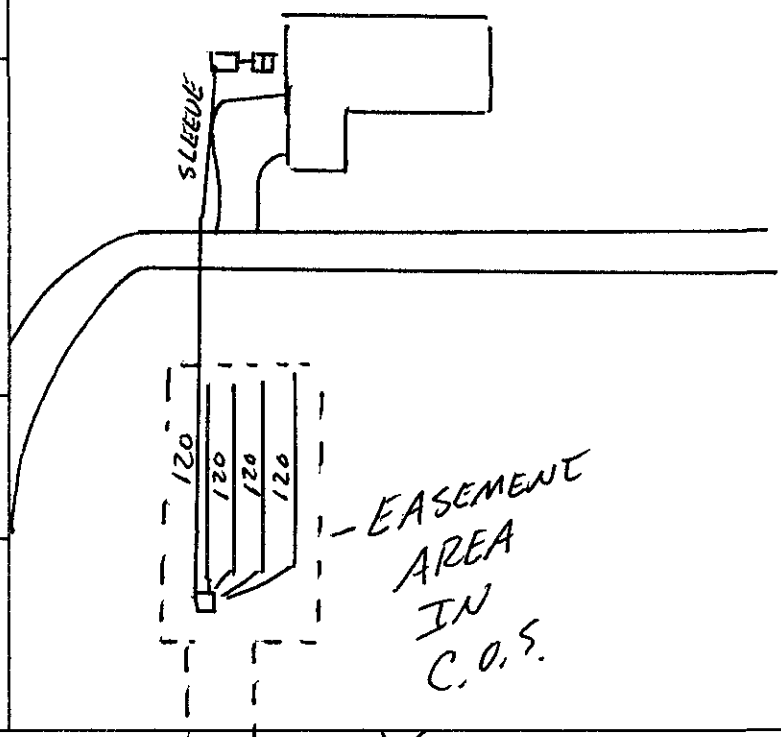
# of Lines: _____ @ _____ feet

Depth of Media: _____ inches (Type) _____

Depth of Cover: _____ inches

Distribution Device: _____

SKETCH OF SYSTEM INSTALLATION
(As-Built Drawing)



Water Supply Source

☐ Municipal ☒ Private Well ☐ Community Well

☐ Other _____

System Installation Setbacks

Distance from Building Foundation: >5' feet

Distance from Property Line: >10' feet

Distance from Water Supply Source: >50' feet

The undersigned has inspected the Septic Tank System described above, and certifies it has been ☒ installed ☐ altered ☐ repaired ☒ as detailed in the plot above ☐ in accordance with the permit issued and meets the provisions of 15A NCAC 18A. 1900, "Laws and Rules for Sewage Treatment and Disposal Systems" in effect on the date of issuance of the permit. The issuance of this Operation Permit does not in any way guarantee that the system will operate properly or relieve any person now or hereafter owning, controlling, or using such system from any liability resulting from the failure of the system to operate properly. This document is issued subject to those restrictions and conditions shown on the permit(s) and the provisions of 15A NCAC 18A. 1900 in addition to those listed below under "Comments." This document shall be null and void if any information contained in the application is untrue or if any additions are made to the property which would increase the requirements for said system.

Notice: Disturbance of the designated repair area may result in the Suspension or Revocation of this permit.

Comments: System Classification & Type: III-b Pump to 25% Red.

III-b, IQ4W, PRESSURE, NA, NA

DENR Authorized Agent: Jeremy Michaly R.S. Signature: Jeremy Michaly, R.S.

Mecklenburg County Groundwater & Wastewater Services
700 N. Tryon St., Suite 211 Charlotte, NC 28202
Phone: (704) 336-5103 Fax: (704) 336-6894

NC DENR
Division of Environmental Health
On-Site Wastewater Section

OPERATION PERMIT for an
ON-SITE WASTEWATER TREATMENT & DISPOSAL SYSTEM

File #: 62168 Permit #: _____ Tax Parcel #: 015-231-32

Property Owner: THORSEN COLBERG

Job Location Address: 8817 KERNS MEADOW LANE

City: HUNTERSVILLE State: NC Zip Code: 28078

OPERATION PERMIT CONDITIONS:

I. Performance: System shall perform in accordance with 15A NCAC 18A .1961.

II. Monitoring: System shall be monitored as required by 15A NCAC 18A .1961.

III. Maintenance: Ground absorption sewage treatment and disposal systems shall be checked, and the contents of the septic tank removed, periodically from all compartments, to ensure proper operation of the system. The contents shall be pumped whenever the solids level is found to be more than 1/3 of the liquid depth in any compartment.

IV. Operation: System shall be operated in accordance with 15A NCAC 18A .1961.

System Classification: III-6

*Operation Permits for Type V and VI systems expire five (5) years from the date of issuance (in accordance with Table V(a)). The system owner must contact GWS six (6) months prior to expiration for permit renewal.

Subsurface system operator required: Yes ☐ No ☒

☐ This type of system requires the system owner to maintain a contract with a certified operator to perform system inspection, maintenance, and reporting as required in 15A NCAC 18A .1961. and Table V(a). The system owner is responsible for all fees associated with these services.

☐ System does not require inspection by GWS on a routine frequency.

☒ System requires inspection by GWS once every five (5) years. The system owner is responsible for all fees associated with the inspection.

☐ System requires inspection by GWS once every three (3) years. The system owner is responsible for all fees associated with the inspection.

☐ System requires inspection by GWS once every twelve (12) months. The system owner is responsible for all fees associated with the inspection.

☐ System requires inspection by GWS once every six (6) months. The system owner is responsible for all fees associated with the inspection.

V. Other: ALARM INSPECTION NEEDED BEFORE C.O.

DENR Authorized Agent: Jeremy Michelson R.S. Date: 5/16/08

Signature: Jeremy Michelson RS

MECKLENBURG COUNTY
LAND USE AND ENVIRONMENTAL SERVICES
Payment Receipt

Receipt Information

Date:	12/06/07	**Amount:**	150.00
Receipt #:	53987	**Tendered:**	0.00
Check / Auth #:	VISA 134532	**Returned:**	0.00
Received By:	CRAIGGY		

Account Information

Account #:	200000
Contractor:	COLBERG THORSEN F
Attn:	
Address:	
Address:	
City/State/Zip:	,

Item	Description	Permit#	Quantity	Unit Price	Total Price
0703	Installation/Final Approval 8817 KERNS MEADOW LN/FILE 6216B		1	150.00	150.00

Outstanding Balances

Month-To-Date	Prior Month	30 Days	60 Days	90 Days	Balance
140.00					

MECKLENBURG COUNTY
LAND USE AND ENVIRONMENTAL SERVICES
Payment Receipt

Receipt Information

Date:	12/06/07	**Amount:**	150.00
Receipt #:	53986	**Tendered:**	150.00
Check / Auth #:	VISA 134532	**Returned:**	0.00
Received By:	CRAIGGY		

Account Information

Account #: 200000
Contractor: COLBERG THORSEN F
Attn:
Address:
Address:
City/State/Zip: ,

Item	Description	Permit#	Quantity	Unit Price	Total Price
0734	Auth for Waste Wtr Sys Constr 8817 KERNS MEADOW LN/FILE 6216B		1	150.00	150.00

Outstanding Balances

Month-To-Date	Prior Month	30 Days	60 Days	90 Days	Balance
140.00					

FEE: 300.00

DATE: 12/6/2007

CONSTRUCTION AUTHORIZATION FOR AN ON-SITE WASTEWATER TREATMENT & DISPOSAL SYSTEM

MECKLENBURG COUNTY

GROUNDWATER & WASTEWATER SERVICES

FILE NUMBER: 6216B

PERMIT NUMBER: 30002657

PARCEL NUMBER: 01523132

JOB LOCATION INFORMATION

ADDRESS: 8817 KERNS MEADOW LN

CITY: HUNTERSVILLE **STATE: NC** **ZIP:** 28078

ISSUED TO: HECHT PROPERTIES

CONSTRUCTION AUTHORIZATION ISSUANCE DATE: 12/6/2007

CONSTRUCTION AUTHORIZATION CONDITIONS

1. WASTEWATER SYSTEM CONSTRUCTION AND INSTALLATION MUST MEET ALL CONDITIONS AND SPECIFICATIONS AS SET FORTH IN IMPROVEMENT PERMIT NUMBER 30002657, AND THE ATTACHED SITE PLAN WITH SYSTEM DETAILS. CONSTRUCTION AND INSTALLATION MUST ALSO MEET ALL REQUIREMENTS SET FORTH IN THE RULES GOVERNING SANITARY SEWAGE COLLECTION, TREATMENT, AND DISPOSAL AND ANY OTHER APPLICABLE RULES AND LAWS.

2. AN INSTALLATION APPROVAL MUST BE SECURED PRIOR TO INSTALLATION OF THE SEPTIC TANK SYSTEM. THE INSTALLER OF THE SYSTEM SHALL BE A REGISTERED SEPTIC TANK CONTRACTOR WITH THE MECKLENBURG COUNTY HEALTH DEPARTMENT.

3. ANY ALTERATION IN SITE OR SOIL CONDITIONS (INCLUDING LOCATION OF STRUCTURES AND APPURTENANCES) OR MODIFICATION IN USE, DESIGN WASTEWATER FLOW, OR WASTEWATER CHARACTERISTICS AS SPECIFIED IN THE ASSOCIATED IMPROVEMENT PERMIT AND APPLICATION, MAY SUBJECT THIS CONSTRUCTION AUTHORIZATION AND ASSOCIATED PERMIT(S) TO REVOCATION.

4. THIS CONSTRUCTION AUTHORIZATION AS PROVIDED IN G.S. 130A-335(f) AND G.S. 130A-336(b) SHALL BE VALID FOR A PERIOD EQUAL TO THE VALIDITY OF THE IMPROVEMENT PERMIT, NOT TO EXCEED 60 MONTHS.
   *CONSTRUCTION AUTHORIZATION EXPIRATION DATE: 1/18/2011

owned by Declarant to be used as construction or sales offices. Other construction vehicles (trucks, vans, cars, construction equipment, equipment trailers, etc.) may be left overnight on the Property (including any Lot or Roadway) only in accordance with such rules as may be established by the Architectural Control Committee.

Section 23. Nuisances. It shall be the responsibility of each Owner to prevent the development of any unclean, unhealthy, unsightly, or unkempt condition on his or her property. No Lot shall be used, in whole or in part, for the deposit, storage or burial of any property or thing that will cause such property to appear to be in an unclean or untidy condition or that will be obnoxious to the eye; nor shall any substance, thing, or material be kept that will emit foul or obnoxious odors or that will cause any noise or other condition that will or might disturb the peace, quiet, safety, comfort, or serenity of the occupants of surrounding property. No noxious or offensive activity shall be carried on within any Lot, nor shall anything be done tending to cause embarrassment, discomfort, annoyance, or nuisance to any Person using any property within the Development. No lot nor Common Area shall be used for the operation of four wheelers, dirt bikes or go karts. There shall not be maintained on any Lot any plants or animals or device or thing of any sort whose activity or existence in any way is noxious, dangerous, unsightly, unpleasant, or of a nature as may diminish or destroy the enjoyment of the Development. Without limiting the generality of the foregoing, no speaker, horn, whistle, siren, bell, amplifier or other sound device, except such devices as may be used exclusively for security purposes and grinder pump warning alarm shall be located, installed or maintained upon the exterior on any Lot unless required by law.

Section 24. Diligent Construction. All construction, landscaping or other work which has been commenced on any Lot must be continued with reasonable diligence to completion and no partially completed Dwelling or other Improvements shall be permitted to exist on any Lot, except during such reasonable time period as is necessary for completion. All construction must be completed within one (1) year after the date upon which it commenced, unless a longer time is approved by the Architectural Control Committee. Any damage to the Roadways, curbs or sidewalks or any part of any Common Area or any utility system caused by an Owner or Owner's builder or such builder's contractors or subcontractors shall be repaired by such responsible Owner. Any builder of Improvements (and such builder's contractors and subcontractors) on any portion of the Property shall keep such portion of the Property free of unsightly construction debris, in accordance with the construction rules established by the Architectural Control Committee, and shall similarly keep contiguous public and private areas free from any dirt, mud, garbage, trash, or other debris which is occasioned by the construction of Improvements. The Board may levy a Special Individual Assessment against an Owner's Lot to pay for the cost of repairing any damage to Roadways, curbs or sidewalks or any part of any Roadway, Common Area or utility system, to pay for the cost of cleaning public and private areas, including the roadways, and to pay for the cost of the removal of garbage, trash or other debris, which are occasioned by the activities of an Owner or Owner's builder or such builder's contractors or subcontractors during the construction of Improvements.

Section 25. Individual Wells. Every Dwelling erected on any Lot shall be served by and connected to a private well. All well water systems shall be approved by, and constructed and maintained in accordance with all the regulations and requirements of all governmental authorities and regulatory agencies having jurisdiction. All well locations are shown on Exhibit "C" attached and incorporated hereon by reference. Unless an exception in writing is granted by Declarant or the Association and the neighboring affected Lot Owner, each well shall be located at the sites shown on Exhibit "C." Declarant does not make any representations regarding the future availability of municipal or central water service.

Section 26. Sewage Disposal. Every dwelling erected on every Lot shall be served by a Septic System approved by the appropriate governmental agency for the disposal of sewage, or connected to a private or public sewage system. All Septic Systems or other private sewage disposal systems shall be approved by, and constructed and maintained in accordance with all the regulations and requirements of all governmental authorities and regulatory agencies having jurisdiction. All septic locations are shown on Exhibit "C" attached and incorporated hereon by reference. Unless an exception in writing is granted by Declarant or the Association and the neighboring affected Lot Owner, each septic shall be located at the sites shown on Exhibit "C." Declarant does not make any representations regarding the future availability of municipal or central sewer service.

Section 27. Sewage Disposal; Septic Easements. Every Lot shall either be served by a septic system approved by the appropriate governmental agency for the disposal of sewage to a private or public sewage disposal system. Declarant makes no representations regarding the future availability of municipal sewer service. All septic systems or other private sewage disposal systems shall be approved by, and constructed and maintained in accordance with all the regulations and requirements of all governmental authorities and regulatory agencies having jurisdiction. All owners, by purchasing property subject to the Declaration, acknowledge that any governmental permit or approval allowing for the construction and operation of a septic system or other private sewage disposal system may be limited in duration in accordance with the terms thereof, and neither Declarant, nor the Association nor the officers, directors, members, employees, agents or affiliates or any of them, shall have any liability arising directly or indirectly out of the inability of an Owner to obtain any such permit, or approval (including an extension or continuation) following the initial expiration thereof.

Non-exclusive easements for the purpose of providing septic service and for use as septic drainage fields (the "Septic Easements") are hereby reserved and granted, over, across and under the Septic Easement Lots and the Septic Easement Areas, to and for the benefit of the Association and the Septic Lot Owners, as more particularly provided herein. Each Septic Lot Owner's Off-Site Septic shall be constructed within the Septic Easement Area that is appurtenant to his or her Lot as designated on the Map (for example, the Septic System for Lot 7 shall be located upon septic Easement Area "7-A") Each of the Septic Easements shall be an appurtenance to and run with the title to the Lot it serves and for which it is reserved. Any deed, deed of trust, mortgage, transfer or other conveyance of any of the Septic Lots shall also transfer or convey the Septic Easement appurtenant to such Septic Lot, even if not expressly included therein. Each Septic Easement shall grant to the Septic Lot Owner and the Association and shall reserve in favor of Declarant the right to construct, install, excavate, dig, build, maintain, operate, remove and reinstall a septic system and related lines, equipment and apparatus in and upon the Septic Easement Area over which such Septic Easement is reserved, and to clear (and continue to clear as necessary) all trees, brush and other plants and to remove all rocks if necessary for the proper construction, installation and maintenance of said system and related lines, equipment and apparatus, all at the sole expense of the Owner of the Lot which the septic system is to service; provided, however, that if the need to repair said Septic System is caused by the negligent or willful act of the Association, its successors and assigns, their agents, employees, members, invitees or licensees, then the cost to repair shall be borne by the Association or its successors and assigns. Except for damage caused by the negligent or willful act of the Association, its successors and assigns, their agents, employees, members, invitees or licensees as provided above, the Owner of the Lot which the Septic System is to service shall promptly and reasonably restore any portion of the surface of the Septic Easement Area (but not trees, brush or other plants, except grass) disturbed by the installation or maintenance of said Septic System. Should the Owner of such Lot fail to so restore the surface of such Septic Easement Area, in the sole judgment of Declarant or the Board of Directors, then the Board of Directors shall have the power to specially assess such Owner for the cost of said restoration by Special Individual Assessment pursuant to Article V, Section 6.

Some Septic Easement Areas may not be accessible without crossing portions of other Septic Easement Areas. Therefore, in addition to the above-described rights, the Owners of each of the Septic Lots, their agents, independent contractors, its successors and assigns, are hereby granted the right of ingress, egress and regress over and across those portions of other Septic Easement Areas necessary to obtain access to the Septic Easement Areas benefiting their Septic Lots.

The Owner of the Lot for which an Off-Site System is being installed shall be responsible for obtaining all necessary environmental permits and other permits for the use of said Off-Site Septic System and shall hold the association, its successors and assigns, harmless from any loss, damage or liability relating thereto, except to the extent that such loss, damage or liabilities results from the negligent or willful act of the Association, its successors and assigns, their agents, employees, invitees or licensees. Prior to the installation of an Off-Site Septic System within the Septic Easement Area, the Owner of the lot for which the Off-Site Septic System is being installed shall have the proposed location of such Off-Site Septic System staked and approved by the appropriate governmental authorities, and such Off-Site Septic System shall be approved by, and constructed and maintained in accordance with all regulations and requirements of all

governmental authorities and regulatory agencies having jurisdiction thereof. The owner of the Septic Lot to which a Septic Easement Area is appurtenant shall be responsible to operate and maintain the Off-Site Septic System located thereon at such Owner's sole cost and expense.

Declarant hereby reserves and grants unto itself, its successors in interest, and assigns, a non-exclusive easement benefiting Declarant and burdening each Septic Lot to which a Septic Easement is appurtenant for the purpose of connection any residence(s) upon such Septic Lot(s) to any public or private sewer line providing service accessible to such Septic Lots, including access across the Septic Lots and the right to install any pipes and apparatus as may be necessary to connect any such residence(s) to such sewer line (the "Sewer Connection Easement") By reserving the Sewer Connection Easement, Declarant has not obligated itself or its successors or assigns to connect to any public or private sewer line to the above-described Lots or to make any sewer service available to such Lots and the exercise of such rights and the Sewer Connection Easement shall be at the sole discretion of Declarant, its successors in interest and assigns.

Section 28. Mail and Newspaper Boxes. All Mail and Newspaper Boxes shall be constructed or installed on any Lot in accordance with the applicable provisions of the Guidelines.

Section 29. Animals. No animals, livestock or poultry shall be raised, bred or kept on any portion of the Property except that dogs, cats or other household pets may be kept, but not for any commercial purposes, provided that they do not create a nuisance (in the judgment of the Board) such as, but without limitation, by noise, odor, damage or destruction of property or refuse. The number of household pets kept or maintained outside the Dwelling on a Lot shall not exceed three (3) in number, except for newborn offspring of such household pets which are all under nine (9) months in age. Dogs shall at all times whenever they are outside of a Dwelling be on a leash or otherwise confined in a manner acceptable to the board. Animal control authorities shall be permitted to enter the Development and the Property to patrol and remove pets and wild animals. All pets shall be registered, licensed and inoculated as required by law. No fenced dog enclosure or other structure for pets may be constructed or maintained on any Lot unless the same has been approved in writing by the Architectural Control Committee.

Section 30. Governmental Requirements; Guidelines. Nothing herein contained shall be deemed to constitute a waiver of any governmental requirements applicable to any Lot and all applicable governmental requirements or restrictions relative to the construction of Improvements on and/or use and utilization of any lot shall continue to be applicable and shall be complied with in regard to the Lots. Each Owner shall comply with all laws, regulations, ordinances (including, without limitation, applicable zoning ordinances) and other governmental rules and restrictions in regard to the Lot(s) or other portion of the Property owned by such Owner. Furthermore, each Owner shall comply with the conditions, limitations and restrictions set forth in the Guidelines.

ARTICLE VIII
ARCHITECTURAL AND LANDSCAPE GUIDELINES

Section 1. General. Notwithstanding anything contained in this Declaration to the contrary, no Improvements, including, without limitation, site preparation on any Lot, or erection of buildings or exterior additions or alterations to any building situated upon the Property, or any landscaping or cutting of trees on any Lot, shall be commenced, erected or maintained on any portion of the Property, subject to the provisions of Article VIII hereof, until: (a) the Architectural Control Committee, appointed as hereinafter provided has approved the plans and specifications therefore and the location of such Improvements and has given its written approval for commencement of construction, all in accordance with the terms and requirements in the Guidelines; (b) the fees set forth in or contemplated in this Article VIII have been paid; and (c) the contracts identified in this Article VIII have been executed. The provisions of this Article VIII shall not apply to the construction of any Improvements commenced, erected or maintained by Declarant on any Lot or upon any of the Common Areas.

The Board may delegate to the Architectural Control Committee any powers or authority reserved or granted to the board under this Article VIII.

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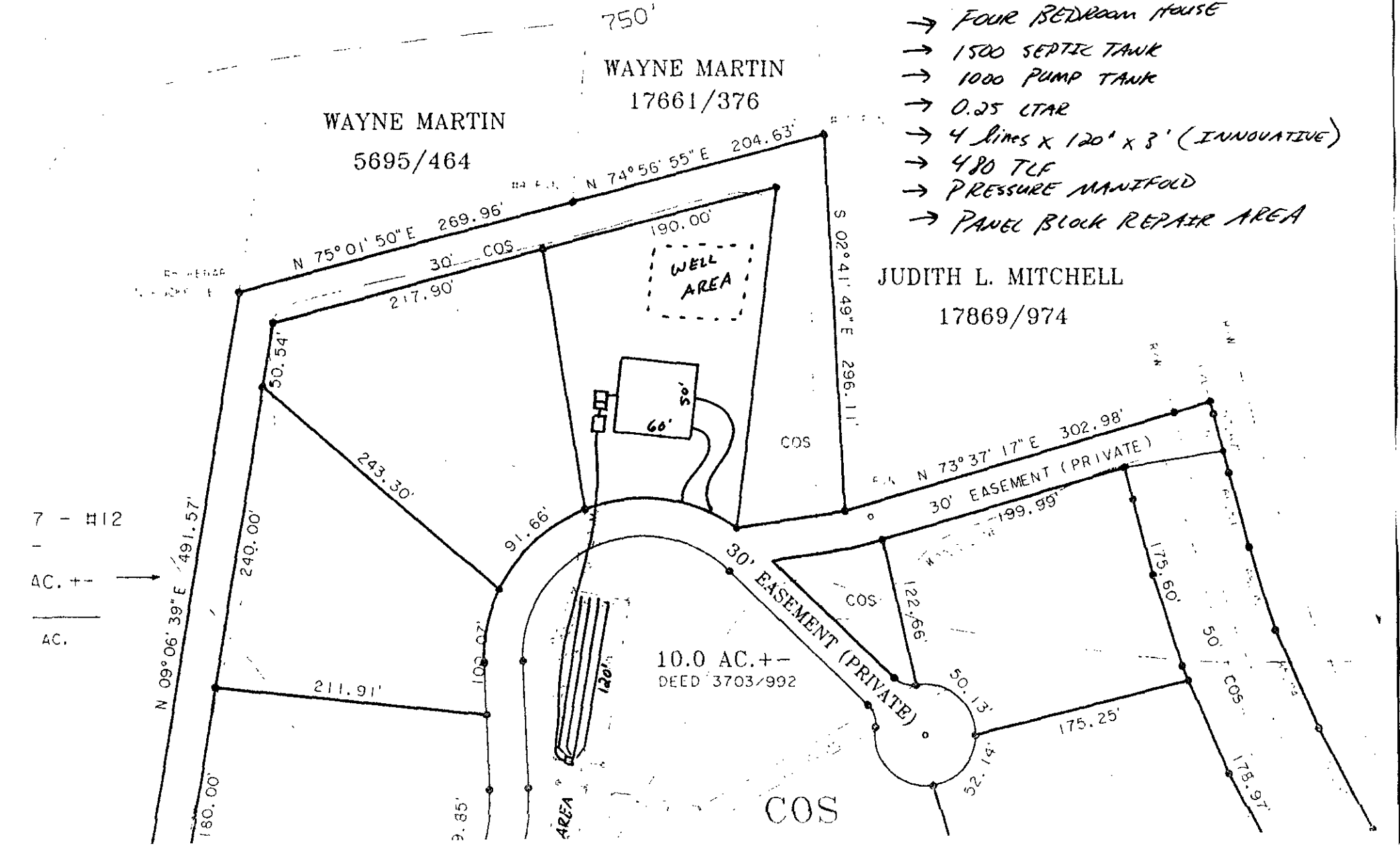
6216B

LOT #10 KERNS MEADOW

Lot 10

22.3 AC.+- TOTAL

→ FOUR BEDROOM HOUSE
→ 1500 SEPTIC TANK
→ 1000 PUMP TANK
→ 0.25 LTAR
→ 4 lines x 120' x 3' (INNOVATIVE)
→ 480 TLF
→ PRESSURE MANIFOLD
→ PANEL BLOCK REPAIR AREA



FILE # 6216B

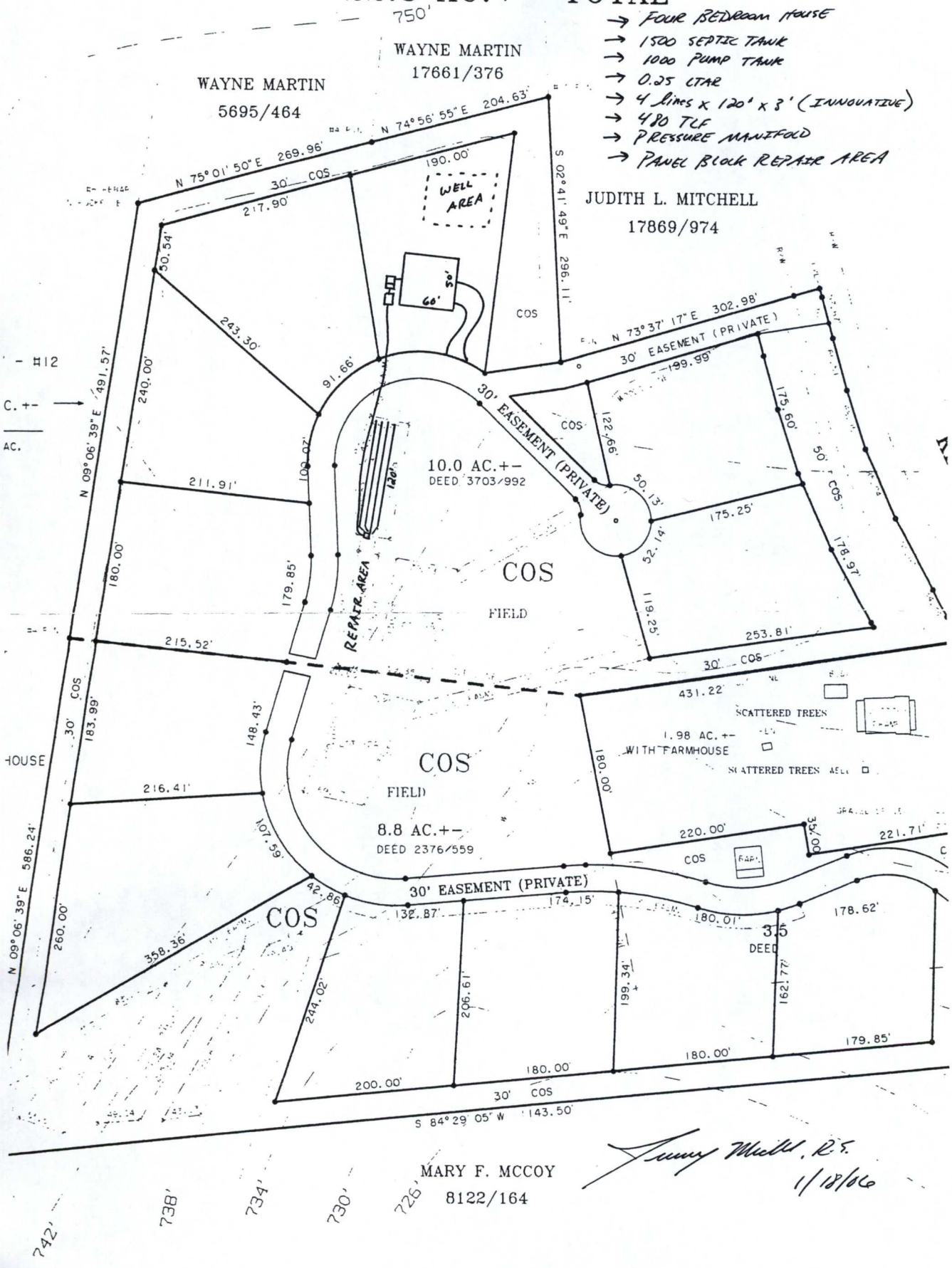
6216B

LOT #10 KERNS MEADOW

Lot 10

22.3 AC.+- TOTAL

- FOUR BEDROOM HOUSE
- 1500 SEPTIC TANK
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- 0.25 LTAR
- 4 lines x 120' x 3' (INNOVATIVE)
- 480 TLF
- PRESSURE MANIFOLD
- PANEL BLOCK REPAIR AREA



Jimmy Mitchell, R.S.
1/18/06

SCALE 1"= 100'-0"