To Maria

Dotson

Penninger Soil Consulting
Ph: 704-996-6330 Email: pgpenninger@gmail.com

June 15, 2016

Andrew/Roby General Contractors
2000 W Morehead Street
Charlotte, North Carolina 28208

Attention: Mr. Wade Carlton, Project Manager

Reference: **ICHD Existing System Inspection for Pool Addition**
119 Mystic Lake Loop
The Point Lot 58
Iredell County, North Carolina
Project No. 16-125

Dear Mr. Carlton:

Penninger Soil Consulting previously provided technical assistance to obtain approval for a proposed porch and planter addition and a five bedroom septic Existing System Inspection from the Iredell County Health Department (ICHD) for the referenced lot in April 2016. We understand you have obtained this ICHD Existing System Inspection Permit. The technical assistance was performed in general accordance with our written proposal dated March 23, 2016. You have now requested assistance to obtain approval for the proposed pool.

Ms. Maria Dotson of the ICHD performed the site visit for the April 2016 Existing System Inspection. Since the attached site plan shows the proposed pool is not near the existing septic and pump tanks, 25 Percent Reduction Drainfield, or the permitted repair area and since you indicated the pool work will be completed under the same Zoning/Building/Septic Permit Numbers, Ms. Dotson indicated in a phone conversation the attached site plans showing the proposed pool in conjunction with the April 2016 site review should suffice for the ICHD to approve the proposed pool location.

We are submitting this letter and attachments to the ICHD for Andrew/Roby. If the ICDH requires any additional information we will discuss this with you. You indicated in our phone conversation that the septic drainfield flags area still on the property if the ICHD needs to make an additional site visit.

The attached information is not an Improvement Permit or Authorization to Construct, and is only to assist you and the ICHD with a review of the existing system and proposed pool location. No soil evaluation was performed for this permit submittal and no evaluation of the existing system performance was performed.

If you have any questions or require additional information please contact us at your convenience.

Sincerely,

Penninger Soil Consulting



Paul G. Penninger, L.S.S.
Soil Scientist

Attachments:

1. Proposed Pool Site Plans and 2000 ICHD Operation Permit

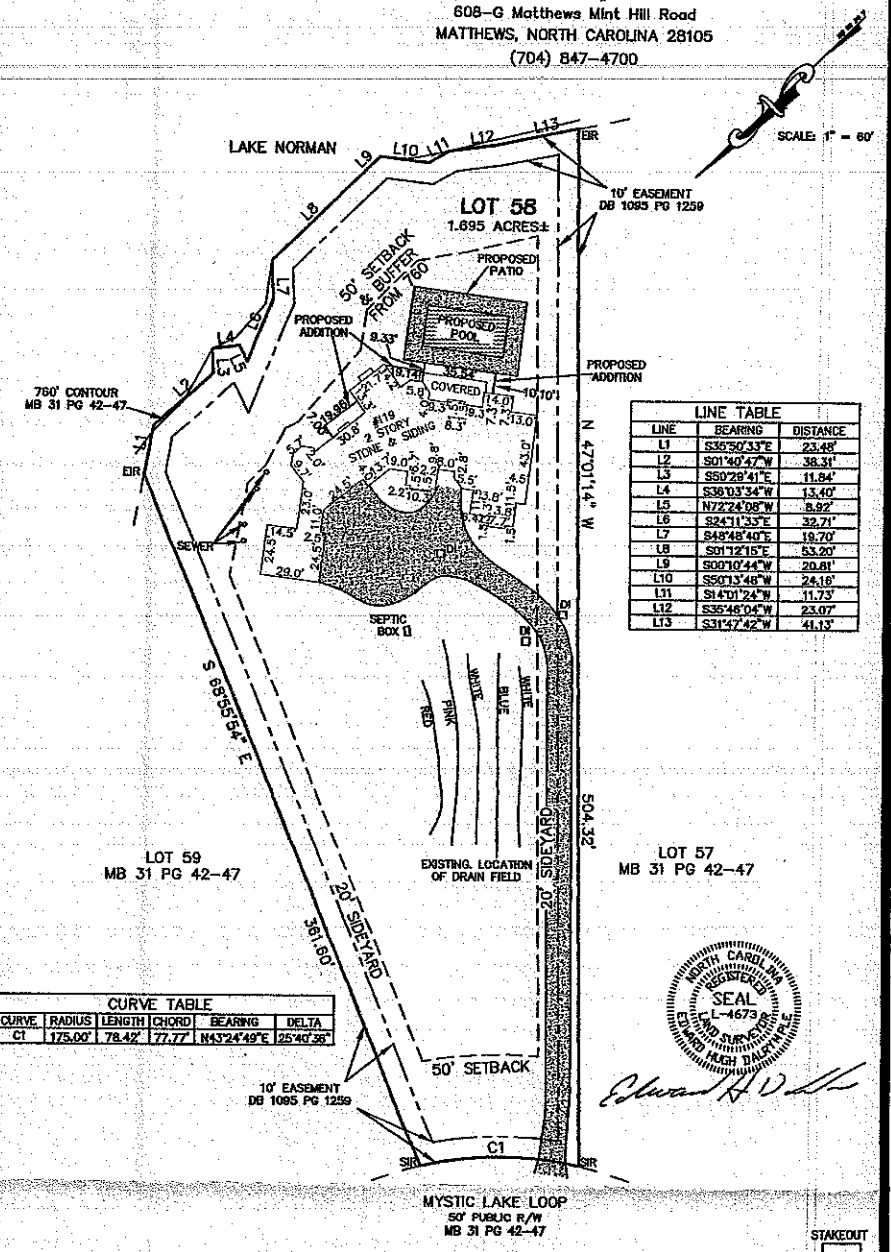
Copy: Ms. Mara Dotson, RS, ICHD

C:\Users\Paul G. Penninger\Documents\2016 Projects\16-125 Andrew Roby - The Point Lot 58\16-125 The Point Lot 58 Existing System Review Summary Letter - Pool Addition.doc

SITE DEVELOPMENT PLAN

THIS SITE PLAN IS TO SHOW THE PROPOSED LOCATION OF THE HOUSE ON THE LOT AND IS NOT TO BE RELIED UPON FOR CONSTRUCTION.

PREPARED BY:
DELTA LAND SERVICES, INC.
FIRM LICENSE #C-735
608-G Matthews Mint Hill Road
MATTHEWS, NORTH CAROLINA 28105
(704) 847-4700



LINE TABLE		
LINE	BEARING	DISTANCE
L1	S35°50'33"E	23.48'
L2	S01°40'47"W	38.31'
L3	S50°29'41"E	11.84'
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L7	S48°48'40"E	19.70'
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L9	S00°10'44"W	20.61'
L10	S50°13'48"W	24.16'
L11	S14°01'24"W	11.73'
L12	S35°46'04"W	23.07'
L13	S31°47'42"W	41.13'

CURVE TABLE					
CURVE	RADIUS	LENGTH	CHORD	BEARING	DELTA
C1	175.00'	78.42'	77.77'	N43°24'49"E	25°40'36"

NORTH CAROLINA REGISTERED SEAL L-4673 LAND SURVEYOR EDWARD HUGH DALRYMPLE

Edward H Dalrymple

NOT FOR RECORDATION, CONVEYANCES OR SALES

Subdivision THE POINT ON NORMAN PH. 1A, MAP 2 County IREDELL
Address 119 MYSTIC LAKE LOOP Owner ANDREW ROBY-WADE
Lot 58 Block ___ Plan CUSTOM Elevation ___ Drive (Left) X (Right) ___ (Courtyard) ___ Deck X
Patio ___ Fireplace ___ Garage (1 Car) ___ (2 Car) ___ X (3 Car) ___ Brick ___ Basement ___ Curtain Wall ___
Crawl ___ X Slab ___ Other ___

REVISED: ADDED PROPOSED POOL AREA 6-14-16 DWN: JDA CKD: DATE: 06/14/16

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LOT SURVEY

LOT 58, THE POINT ON NORMAN, PHASE 1A MAP 2
DAVIDSON TOWNSHIP, IREDELL COUNTY, NORTH CAROLINA
MAP BOOK 31, PAGE 43

PREPARED FOR ANDREW ROBY

PROPERTY IS SUBJECT TO DECLARATION OF COVENANTS, CONDITIONS AND RESTRICTIONS RECORDED IN DEED BOOK 1095 PG 1259-1285.

THIS PROPERTY IS NOT GRAPHICALLY LOCATED IN ANY FEMA DESIGNATED SPECIAL FLOOD HAZARD AREAS IDENTIFIED ON COMMUNITY PANEL NO. 370626-3703130200C, DATED 6-22-98.

THIS SURVEY IS NOT INTENDED TO MEET GS 47-30 REQUIREMENTS. THIS SURVEY WAS PERFORMED PER THE STANDARDS OF PRACTICE FOR LAND SURVEYING IN NORTH CAROLINA WITH AN ERROR OF CLOSURE THAT MEETS MINIMUM STANDARD OF 1:10,000 AND THAT THIS SURVEY IS PREPARED WITHOUT THE BENEFIT OF A FULL AND ACCURATE TITLE SEARCH

DATE OF FIELD SURVEY: 03-25-16

OWNER OF PROPERTY AT TIME OF SURVEY:
THOMAS M. & HEATHER S. FINKE
DEED BOOK 2192 PAGE 2097.

ALL EIRS & SIRS ARE FLUSH WITH EXISTING GROUND LEVEL UNLESS OTHERWISE NOTED.

AREA DETERMINED BY COORDINATE COMPUTATION.

SCALE: 1" = 80'

LAKE NORMAN

LOT 58
1.695 ACRES±

10' EASEMENT DB 1095 PG 1259

50' SETBACK BUFFER FROM 760'

BRICK COLUMN

COVERED

#119 2 STORY STONE & SIDING

SEPTIC TANK

EX. PUMP TANK

SEWER

SEPTIC BOX

PRESSURE MANIFOLD

LIGHT COLUMN

APP. RESERVE AREA

EXISTING LOCATION OF DRAIN FIELD

PERMITTED RESERVE AREA

50' SETBACK

20' SIDEYARD

LOT 59
MB 31 PG 42-47

LOT 57
MB 31 PG 42-47

S 68°55'54" E 361.60'

N 47°01'14" W 504.32'

MYSTIC LAKE LOOP
50' PUBLIC R/W
MB 31 PG 42-47

TIE LINE-SIR-NTS N 15°50'06" E 96.26'

TIE LINE-MID-NTS S 67°14'28" W 114.02'

VICINITY MAP NTS

THE POINTE DR. MYSTIC LAKE LOOP MEETING HOUSE CIR. VISTA DR.

6-19-15 Pool Patio

6-14-16 Proposed Porch & Planter Addition

Approved MD

Approx. Location of Ex. 500 gal Septic Tank Reduced to 257 gal.

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NOTATION LEGEND

EIR	EXISTING IRON ROD
SIR	SET IRON ROD
MBL	MINIMUM BUILDING LINE
R/W	RIGHT-OF-WAY
MB	MAP BOOK
PG	PAGE
DB	DEED BOOK
NTS	NOT TO SCALE
CONC	CONCRETE
AC	AIR CONDITIONER
EOP	EDGE OF PAVEMENT
UP	UTILITY PEDESTAL

LINETYPE LEGEND

- SET BACK LINE
- PROPERTY LINE
- ADJOINING LINE (NOT SURVEYED)
- 10' EASEMENT
- TIE LINE

NORTH CAROLINA PROFESSIONAL SEAL L-4673 LAND SURVEYOR EDWARD HUGH DALRYMPLE

4-01-16

ORIGINAL SURVEY WILL CONTAIN A CRIMP SEAL IF THIS CRIMP SEAL DOES NOT APPEAR ON THE SURVEY, THE SURVEY COULD CONTAIN CHANGES NOT CERTIFIED TO BY THE SIGNING SURVEYOR.

PREPARED BY:
DELTA LAND SERVICES, INC.
Firm License # C-735
608-G Matthews Mint Hill Road
Matthews, North Carolina 28105
(704) 847-4700

REVISED: ADDED SEPTIC INFORMATION DWN: JDA CKD: DATE: 04/01/16

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* SHOW PROPERTY LINE 20' FROM PROPOSED PORCH & PLANTER ADDITION

6-14-16

LOT 58 THE POINT EX. SEPTIC SYSTEM AND PROPOSED PORCH & PLANTER ADDITIONS
Proposed Pool Added 6-14-16 4-3-16

ICHD

Penninger Soil Consulting
Ph: 704-996-6330 Email: pgpenninger@gmail.com

Call Paul for Site Visit

April 3, 2016

Andrew/Roby General Contractors
2000 W Morehead Street
Charlotte, North Carolina 28208

Attention: Mr. Wade Carlton, Project Manager

Reference: **Technical Assistance with Expedited Review Septic Permitting**
ICHD Existing System Inspection for Porch and Planter Addition
119 Mystic Lake Loop
The Point Lot 58
Iredell County, North Carolina
Project No. 16-125

Dear Mr. Carlton:

Penninger Soil Consulting has provided technical assistance to obtain approval for a proposed porch and planter addition and a five bedroom septic Existing System Inspection from the Iredell County Health Department (ICHD) for the referenced lot. The technical assistance was performed in general accordance with our written proposal dated March 23, 2016.

The site has an existing home and 5-bedroom, pressure manifold, 25 Percent Reduction septic system that was installed and approved by the ICHD on September 19, 2000. We understand the current owner is proposing to add two porches and a planter to the back of the existing house and you contacted Penninger Soil Consulting to assist you with the Existing System Review. Mr. Adrian Pruett, Supervisor with the ICHD indicated in a phone conversation that we needed to locate the tanks and the existing system to verify the proposed expansion does not encroach on the septic system. Mr. Pruett indicted we did not have to flag the repair system.

Mr. Paul Penninger flagged the existing septic tank and pump tank, pressure manifold, and primary drainfield on March 30, 2016. The drainfield is polystyrene aggregate, which made it difficult to locate the exact ends of the existing drainfield lines. Your surveyor located the flagged existing septic system as shown on the attached site plan, showed the existing house and drive on the site plan, and flagged the proposed additions and property lines.

The site field flagging and the attached site plan show the proposed home additions do not encroach on the permitted septic tank, existing drainfield, or the permitted repair area. Drain inlets (DI) were observed near the lowest septic line that do not meet the required

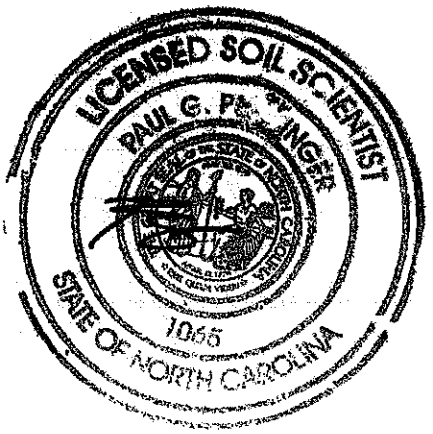
setback. The previous owner added these presumably to allow drainage under the existing drive. These are existing and not affected by the proposed porches and planter. A certified operator is inspecting the system twice a year and the Type IIIb system should be reviewed by the ICHD every five years.

The attached information is not an Improvement Permit or Authorization to Construct, and is only to assist you with the ICHD expedited review existing system location review and proposed porch and planter additions. The ICHD must approve each lot and only the ICHD can issue these permits. The ICHD should verify all soils and system specifications and required setbacks before permitting and/or septic system installation. System layouts are done based on interpretations of the rules governing wastewater treatment and disposal systems and are not guarantees for site approval or future septic system performance. No soil evaluation was performed for this permit submittal and no evaluation of the existing system performance was performed.

If you have any questions or require additional information please contact us at your convenience.

Sincerely,

Penninger Soil Consulting



Paul G. Penninger, L.S.S.
Soil Scientist

Attachments:

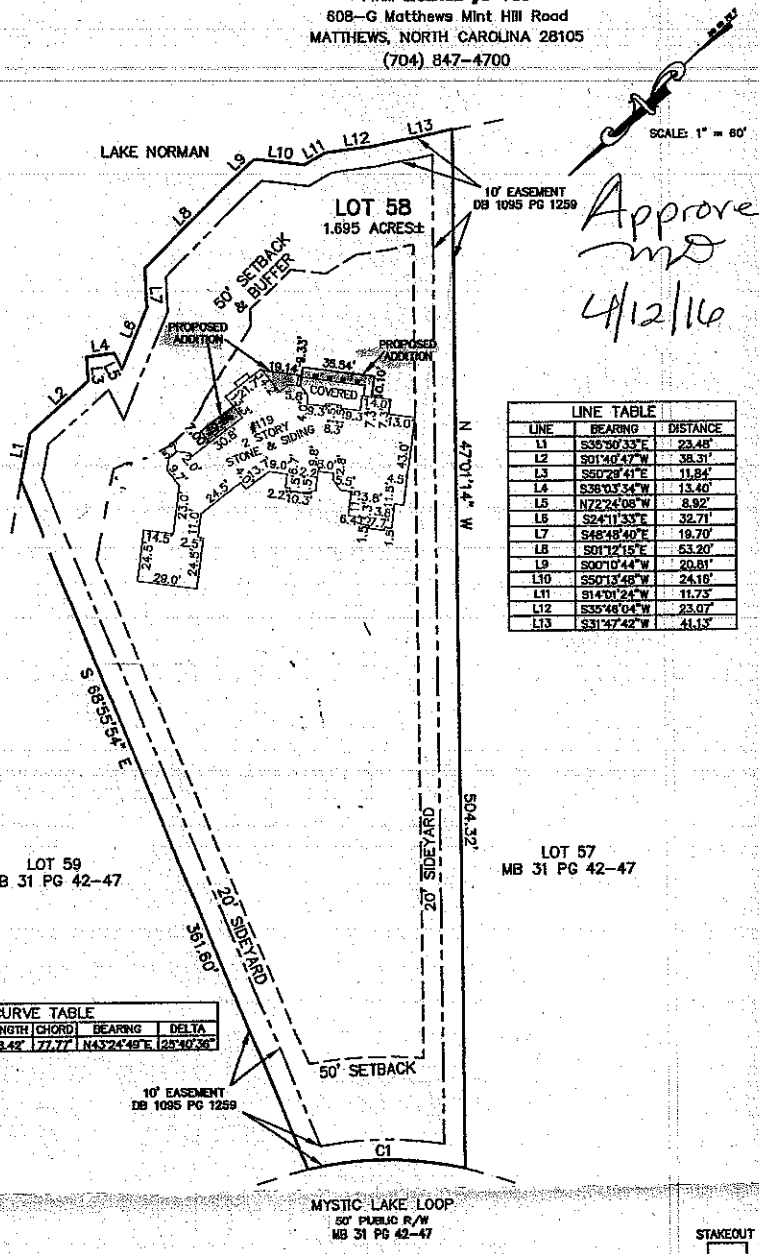
1. ICHD Existing System Permit Application and Zoning Permit
2. Site Plan and 2000 ICHD Operation Permit

C:\Users\Paul G. Penninger\Documents\2016 Projects\16-125 Andrew Roby - The Point Lot 58\16-125 The Point Lot 58 Existing System Review Summary Letter.doc

SITE DEVELOPMENT PLAN

THIS SITE PLAN IS TO SHOW THE PROPOSED LOCATION OF THE HOUSE ON THE LOT AND IS NOT TO BE RELIED UPON FOR CONSTRUCTION.

PREPARED BY:
DELTA LAND SERVICES, INC.
FIRM LICENSE #C-735
608-G Matthews Mint Hill Road
MATTHEWS, NORTH CAROLINA 28105
(704) 847-4700



Approved
MD
4/12/16

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Crawl ___ X Slab ___ Other ___

REVISED: ADD PROPOSED ADDITION DWN: JDA CKD: DATE: 03/ 29/ 16

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Proposed Additions From Surveyor

LOT SURVEY

LOT 58, THE POINT ON NORMAN, PHASE 1A MAP 2
DAVIDSON TOWNSHIP, IREDELL COUNTY, NORTH CAROLINA
MAP BOOK 31, PAGE 43

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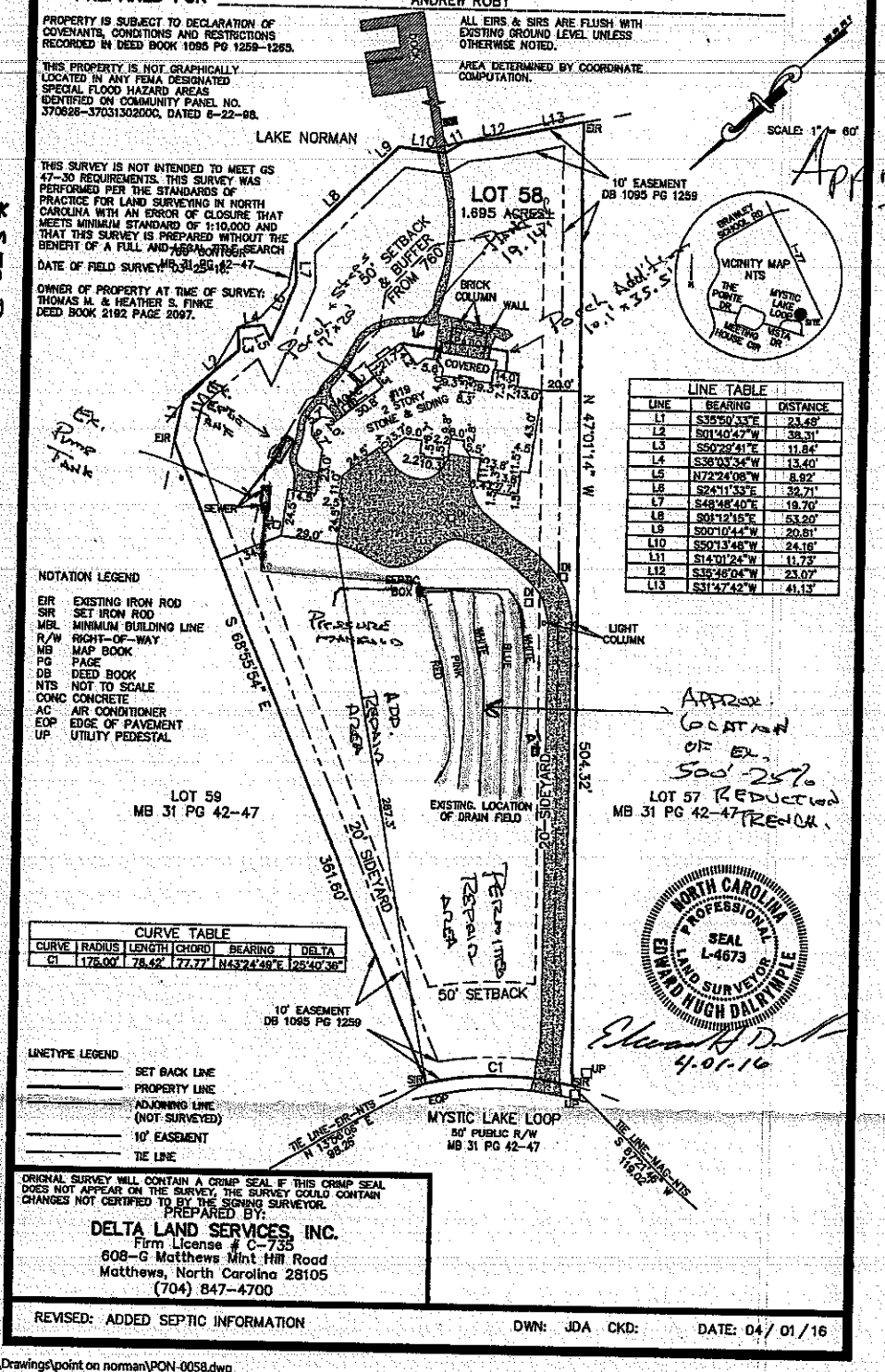
OWNER OF PROPERTY AT TIME OF SURVEY: THOMAS M. & HEATHER S. FINKE DEED BOOK 2192 PAGE 2097.

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SCALE: 1" = 60'

Approved MD 4/12/16



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4-01-16

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REVISED: ADDED SEPTIC INFORMATION | DWN: JDA CKD: | DATE: 04/01/16

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* SITE PLAN MUST ACCURATELY REFLECT ALL EXISTING AND PROPOSED SOIL CONSTRUCTION WITHIN 100' OF PROPOSED WORK. 4-3-16

LOT 58 THE POINT EX. SEPTIC SYSTEM AND PROPOSED PORCH & PLANTER ADDITIONS

4-3-16