

SOIL/SITE EVALUATION for ON-SITE WASTEWATER SYSTEM

(Complete all fields in full)

OWNER: Michael & Julie King DATE EVALUATED: 1-26-24
 ADDRESS: 1140 Oak Ridge River Rd
 PROPOSED FACILITY: SFD 72x41 PROPOSED DESIGN FLOW (.0400): 360 PROPERTY SIZE: _____
 LOCATION OF SITE: _____ PROPERTY RECORDED: _____
 WATER SUPPLY: Public Single Family Well Shared Well Spring Other _____ WATER SUPPLY SETBACK: _____
 EVALUATION METHOD: Auger Boring Pit Cut TYPE OF WASTEWATER: Domestic High Strength IPWW

| P R O F I L E # | .0502 LANDSCAPE POSITION/ SLOPE % | HORIZON DEPTH (IN.) | SOIL MORPHOLOGY | | OTHER PROFILE FACTORS | | | | .0509 PROFILE CLASS & LTAR* | .0502(d) SLOPE CORRE CTION |
|--------------------------------------|--|---------------------------|--------------------------------|-------------------------------------|------------------------------------|------------------------|-------------------------|-------------------------|--------------------------------------|-------------------------------------|
| | | | .0503 STRUCTURE/ TEXTURE | .0503 CONSISTENCE/ MINERALOGY | .0504 SOIL WETNESS/ COLOR | .0505 SOIL DEPTH | .0506 SAPRO CLASS | .0507 RESTR HORIZ | | |
| 1 | 2-3% HS | 0-13 | SL, gr | Fr, NS, NP, SE | 7.5/YR 5/8 | 48" | | | .3 | |
| | | 13-48 | SCL, SBK | Fr, SS, NP, SE | | | | | | |
| | | | | | | | | | | |
| 2 | 2-3% D | 0-10 | SL, gr | Fr, NS, NP, SE | 7.5/YR 5/8 | 48" | | | .3 | |
| | | 10-23 | SCL, SBK | Fr, SS, NP, SE | | | | | | |
| | | 23-48 | SL, gr | VFr, NS, NP, SE | | | | | | |
| 3, 4, 5 | 3-4% LS | 0-8 | SL, gr | Fr, NS, NP, SE | 7.5/YR 5/8 | | | | .3 | |
| | | 8-48 | SCL, SBK | Fr, SS, NP, SE | | | | | | |
| | | | | | | | | | | |
| ◆ | | | | | | | | | | |
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| DESCRIPTION | INITIAL SYSTEM | REPAIR SYSTEM | SITE CLASSIFICATION (.0509): <u>PS</u> EVALUATED BY: <u>RL/JM</u> OTHER(S) PRESENT: _____ |
|-------------------------|----------------|----------------|---|
| Available Space (.0508) | ✓ | ✓ | |
| System Type(s) | <u>25% Red</u> | <u>25% Red</u> | |
| Site LTAR | <u>.3</u> | <u>.3</u> | |
| Maximum Trench Depth | <u>18"-22"</u> | <u>18"-22"</u> | |
| Comments: | _____ | | |

LEGEND

| LANDSCAPE POSITION | SOIL GROUP | SOIL TEXTURE | CONVENTIONAL LTAR (gpd/ft ²) | SAPROLITE LTAR (gpd/ft ²) | LPP LTAR (gpd/ft ²) | MINERALOGY/ CONSISTENCE | | STRUCTURE | | |
|--------------------|------------|------------------------|--|---------------------------------------|---------------------------------|-------------------------|----------------------|-------------------------|-----------------------|------------|
| | | | | | | MOIST | WET | | | |
| CC (Concave slope) | I | S (Sand) | 0.8 - 1.2 | 0.6 - 0.8 | 0.4 - 0.6 | MOIST | WET | SG (Single grain) | | |
| CV (Convex Slope) | | LS (Loamy sand) | | 0.5 - 0.7 | | Lo (Loose) | NS (Non-sticky) | M (Massive) | | |
| D (Drainage way) | II | SL (Sandy loam) | 0.6 - 0.8 | 0.4 - 0.6 | 0.3 - 0.4 | VFR (Very friable) | SS (Slightly sticky) | GR (Granular) | | |
| FP (Flood plain) | | L (Loam) | | 0.2 - 0.4 | | FR (Friable) | S (Sticky) | SBK (Subangular blocky) | | |
| FS (Foot slope) | III | SiL (Silt loam) | 0.3 - 0.6 | 0.1 - 0.3 | 0.15 - 0.3 | FI (Firm) | VS (Very sticky) | ABK (Angular blocky) | | |
| H (Head slope) | | SCL (Sandy clay loam) | | 0.05 - 0.15** | | VFI (Very firm) | NP (Non-plastic) | PR (Prismatic) | | |
| L (Linear Slope) | | CL (Clay loam) | | None | | None | None | EFI (Extremely firm) | SP (Slightly plastic) | PL (Platy) |
| N (Nose slope) | | SiCL (Silty clay loam) | | | | | | P (Plastic) | | |
| R (Ridge/summit) | | Si (Silt) | | | | | | | VP (Very plastic) | |
| S (Shoulder slope) | IV | SC (Sandy clay) | 0.1 - 0.4 | 0.05 - 0.2 | SEXP (Slightly expansive) | | | | | |
| T (Terrace) | | SiC (Silty clay) | | | EXP (Expansive) | | | | | |
| TS (Toe Slope) | | C (Clay) | | | | | | | | |
| | | O (Organic) | None | | | | | | | |

* Adjust LTAR due to depth, consistence, structure, soil wetness, landscape, position, wastewater flow and quality.

**Sandy clay loam saprolite can only be used with advanced pretreatment in accordance with 15A NCAC 18E .1200.

HORIZON DEPTH In inches below natural soil surface

DEPTH OF FILL In inches from land surface

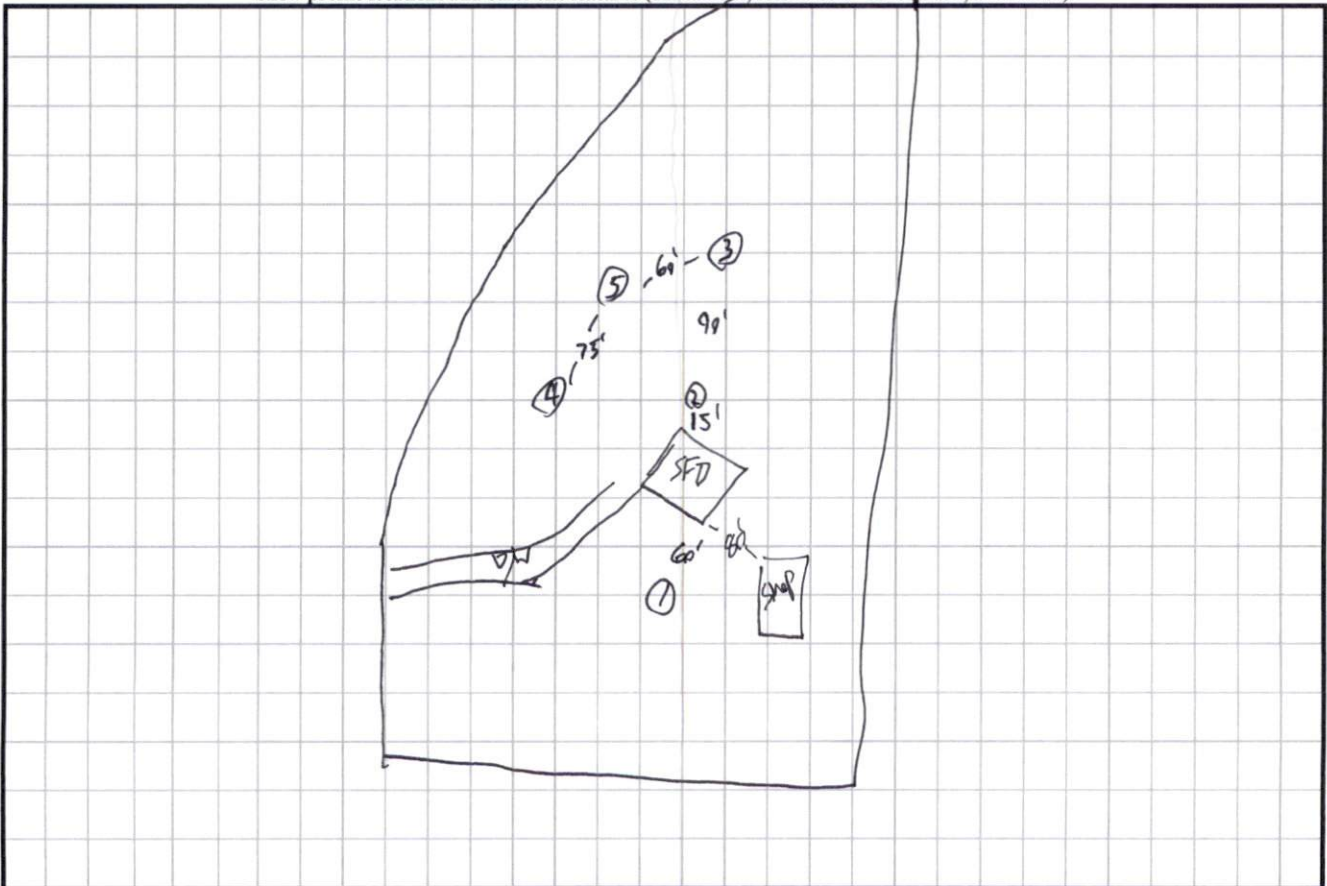
RESTRICTIVE HORIZON Thickness and depth from land surface

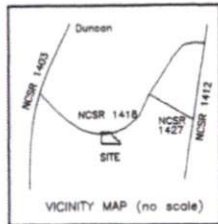
SAPROLITE S(suitable) or U(unsuitable); Evaluation of saprolite shall be by pits.

SOIL 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

CLASSIFICATION S (Suitable) or U (Unsuitable)

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





NOTES
 AREA BY COORDINATES
 THIS PROPERTY IS NOT LOCATED IN A FEMA MAPPED FLOOD HAZARD AREA, FEMA MAP # 3720082400J; ZONE X; EFF. DATE 10/3/2008.
 SUBJECT TO ABOVE AND OR UNDERGROUND UTILITIES AND OR EASEMENTS.
 THIS SURVEY DID NOT HAVE THE BENEFIT OF A TITLE REPORT AND IS SUBJECT TO ANY MATTERS ONE MAY DISCLOSE.

PROPERTY IS ZONED RA-30
 MINIMUM BUILDING SETBACKS
 FRONT - 35'
 SIDE - 10'
 CORNER SIDE - 20'
 REAR - 25'

EXEMPT PLAT
 THIS PLAT IS EXEMPT FROM THE SUBDIVISION REGULATIONS

Sharon K. Bevell
 HARNETT COUNTY PLANNING DEPARTMENT

8-2-23
 DATE

SHARON K. BEDELL
 D.B. 3100 PG. 98
 MAP # 2017-350

SHARON K. BEDELL
 D.B. 3011 PG. 98
 MAP # 2019-448

REVIEW OFFICER'S CERTIFICATE
 STATE OF NORTH CAROLINA
 COUNTY OF Harnett
 I, Sharon K. Bevell, REVIEW OFFICER OF Harnett COUNTY, CERTIFY THAT THE MAP OR PLAT TO WHICH THIS CERTIFICATION IS AFFIXED MEETS ALL STATUTORY REQUIREMENTS FOR RECORDING.

REVIEW OFFICER
Sharon K. Bevell
 8-2-23
 DATE

THIS SURVEY IS OF ANOTHER CATEGORY, SUCH AS THE RECOMBINATION OF EXISTING PARCELS, A COURT-ORDERED SURVEY, OR OTHER EXEMPTION OR EXCEPTION TO THE DEFINITION OF SUBDIVISION.

Benton W. Dewar
 BENTON W. DEWAR, NCPLS - 3040

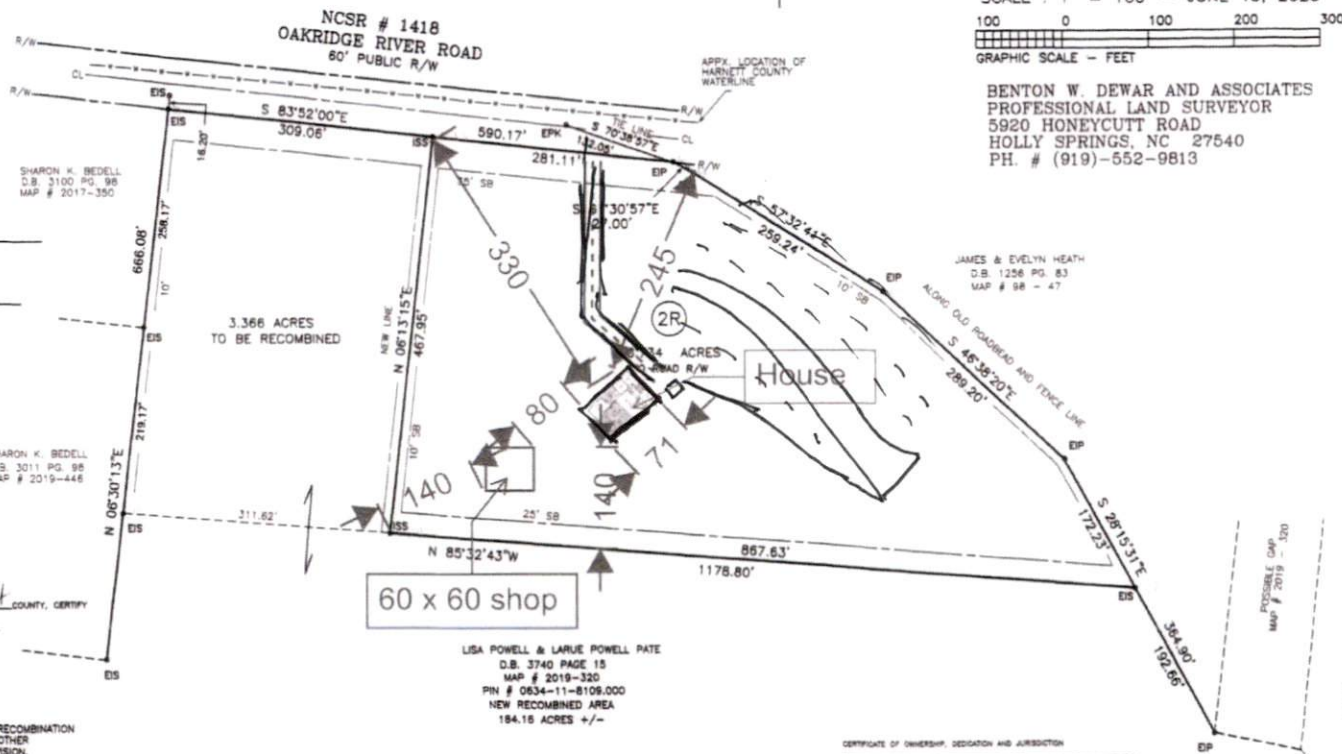
I, BENTON W. DEWAR, CERTIFY THAT THIS PLAT WAS DRAWN UNDER MY SUPERVISION FROM AN ACTUAL SURVEY MADE UNDER MY SUPERVISION DEED BOOK 3740 PAGE 14-15. THAT THE BOUNDARIES NOT SURVEYED ARE CLEARLY INDICATED AS DRAWN FROM INFORMATION FOUND IN DEED MAP BOOK 2132 PAGE 11 THAT THE RATIO OF PRECISION OR POSITIONAL ACCURACY AS CALCULATED IS 1:10,000. THAT THIS PLAT WAS PREPARED IN ACCORDANCE WITH G.S. 47-30 AS AMENDED, WITNESS MY ORIGINAL SIGNATURE, LICENSE NUMBER AND SEAL THIS 22ND DAY OF AUGUST, A.D. 20 23

Benton W. Dewar
 BENTON W. DEWAR, NCPLS - 3040

- LEGEND
- CMS - CONCRETE MONUMENT SET
 - ECM - EXISTING CONCRETE MONUMENT
 - EP - EXISTING IRON PIPE
 - EIS - EXISTING IRON STAKE
 - EPB - EXISTING REBAR
 - ECS - EXISTING COTTON SPIKE
 - EPK - EXISTING PK NAIL
 - EN - EXISTING NAIL
 - ERS - EXISTING RAILROAD SPIKE
 - IPS - IRON PIPE SET
 - ISS - IRON STAKE SET
 - RSS - RAILROAD SPIKE SET
 - NS - NAIL SET
 - PKS - PK OR MAG. NAIL SET
 - R/W - RIGHT OF WAY
 - CL - CENTERLINE
 - B.M. - BOOK OF MAPS
 - P.B. - PLAT BOOK
 - M.B. - MAP BOOK
 - D.B. - DEED BOOK
 - SB - SET BACK
 - EP - EDGE PAVEMENT
 - NCOS - NORTH CAROLINA GEODETIC SURVEY
 - ECS - EXISTING COTTON SPINDLE
 - CSS - COTTON SPINDLE SET
 - D - DRAINAGE
 - G - GAS LINE
 - S - SANITARY SEWER
 - W - WATER
 - E - ELECTRIC
 - T - TELEPHONE
 - PH - FIRE HYDRANT
 - WM - WATER METER
 - WV - WATER VALVE
 - CO - SEWER CLEANOUT
 - TP - TELEPHONE PEDESTAL
 - EL - ELEVATION
 - MH - MANHOLE
 - BC - BACK OF CURB
 - HVAC - HEAT/AC UNIT
 - CP - COMPUTED POINT

I, BENTON W. DEWAR, CERTIFY THAT THIS PLAT WAS PREPARED UNDER MY SUPERVISION FROM AN ACTUAL FIELD SURVEY OF DESCRIPTION(S) AS RECORDED IN DEED BOOK 3740 PAGE 14. THAT THE BOUNDARIES NOT SURVEYED ARE CLEARLY INDICATED AS SHOWN AND WERE PLATTED FROM INFORMATION AS REFERENCED HEREON. THAT THE RATIO OF PRECISION AS CALCULATED WAS 1:10,000 AND THAT THE GLOBAL NAVIGATION SATELLITE SYSTEM (GNSS) WAS USED TO PERFORM A PORTION OF THIS SURVEY AND THE FOLLOWING INFORMATION WAS USED:

CLASS OF SURVEY: A
 POSITIONAL ACCURACY: 0.02
 TYPE OF GPS FIELD PROCEDURE: RTK
 DATE(S) OF SURVEY: APRIL 2023
 DATUM/EPOCH: NAD 83
 PUBLISHED/FIXED-FIXED CONTROL USE: YES
 GEOID MODEL: 2018
 COMBINED GRID FACTOR: 0.99999322
 UNITS: US SURVEY FOOT



RECOMBINATION SURVEY FOR
MICHAEL E. KING & JULIE L. KING
 601 MINERVA DALE ROAD, FUQUAY-VARINA, NC 27526

LISA POWELL & LARUE P. PATE
 7009 ROUSE ROAD, HOLLY SPRINGS, NC 27540
 DEED BOOK 3809 PAGE 346 DEED BOOK 3740 PAGE 15

MAP # 2020 PAGE 145
 PIN # 0634-22-2540.000
 PIN # 0634-11-8109.000
 BUCKHORN TOWNSHIP
 HARNETT COUNTY - NORTH CAROLINA
 SCALE: 1" = 100' - JUNE 13, 2023

BENTON W. DEWAR AND ASSOCIATES
 PROFESSIONAL LAND SURVEYOR
 5920 HONEYCUTT ROAD
 HOLLY SPRINGS, NC 27540
 PH. # (919)-552-9813



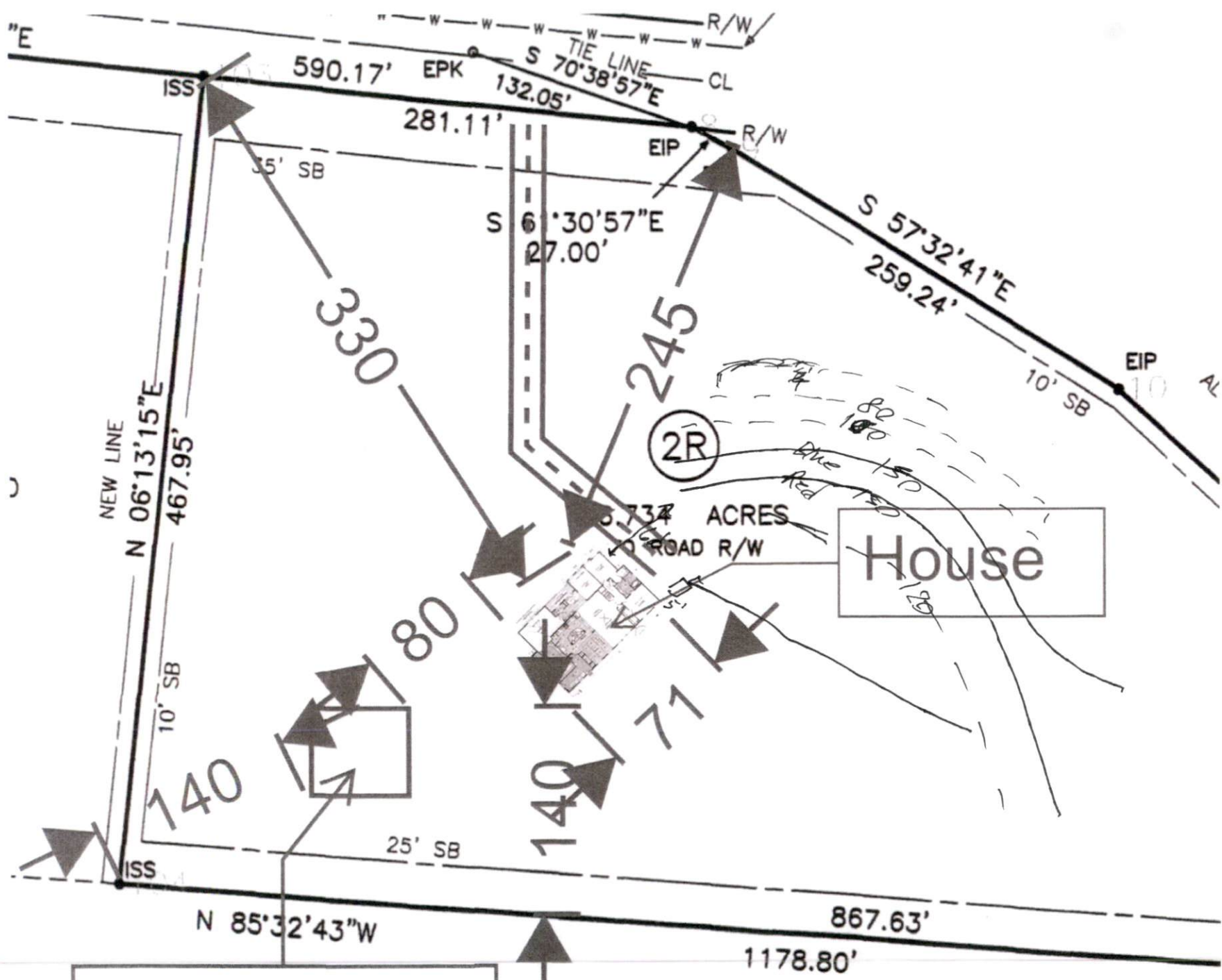
Instrument # 2023012774
 Recorded: 08/02/2023 03:11:46 (M)
 Fee Amt: \$21.00 Page: 1 of 1

Harnett County, North Carolina
 Matthew S. Walls, Register of Deeds
 on 2023 PG 379 - 379 (1)

CERTIFICATE OF OWNERSHIP, DEEDGATION AND JURISDICTION

I (WE) HEREBY CERTIFY THAT I (AM (WE ARE) THE OWNER(S) OR AGENT OF THE PROPERTY SHOWN AND DESCRIBED HEREON AND THAT I (WE) HEREBY ADOPT THIS PLAN OF SUBDIVISION WITH MY (OUR) FREE CONSENT, ESTABLISH THE MINIMUM BUILDING SETBACK LINES AND DEDICATE ALL STREETS, ALLEYS, WALKS, PARKS AND OTHER WAYS AND EASEMENTS TO PUBLIC OR PRIVATE USE AS NOTED, ALL OF THE LAND SHOWN HEREON IS WITHIN THE SUBDIVISION JURISDICTION OF HARNETT COUNTY EXCEPT:

(DATE) APRIL 23
Benton W. Dewar, AGENT
 THE PARCEL ID, NUMBER
 OWNER
 OWNER



60 x 60 shop

House

2R

6.734 ACRES
ROAD R/W

1178.80'

867.63'

N 85°32'43"W

NEW LINE
N 06°13'15"E
467.95'

590.17' EPK

S 70°38'57"E
132.05'

281.11'

S 6°30'57"E
27.00'

S 57°32'41"E
259.24'

35' SB

EIP

EIP

10' SB

10' SB

140

25' SB

140

77

80

245

330

"E

ISS

ISS

AL

R/W
CL

TIE LINE

R/W

ROAD R/W

5.1

5.1

5.1

5.1

5.1

5.1