# ICHD - ENVIRONMENTAL HEALTH DIVISION

Statesville Office (704) 878-5305 Mooresville Office (704) 660-3625 PERMIT # AP 319362

## SEPTIC: IMPROVEMENT PERMIT / AUTHORIZATION TO CONSTRUCT / OPERATION PERMIT / EXISTING SYSTEM

PIN # 4654 -68 -5821

APPLICANT/OWNER: Lakeshore Holdings LLC APPLICANT ADDRESS: 637 Williamson Rd Suite 102 Mooresville NC 28117

SITE ADDRESS: 137 Ryleigh Dr Place Mooresville NC 28115 PHONE: 704-617-4324 ALT. PHONE —

SITE DIRECTIONS: South 115 on Presbyterian & Ryleigh Dr Lot on Left SAP CONTROLLED: ☑ YES ☐ NO

SUBDIVISION: Davidson Pond SECTION: 1 LOT # 7 LOT AREA: 1.43 AC DESIGN FLOW: 480 L.T.A.R.: .275

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Septic Tank | 1000 (gal) | STB | 760 | Date | 1/7/23 | ☑ New System ☐ Repair ☐ Expansion | System Type: I II III IV V VI | ☑ Residence | No. Bedrooms 4 |
| Pump Tank | 1000 (gal) | PT | 363 | Date | 1/17/23 | System Description: PM - 50% Reduction | | ☐ Business | No. Persons 8 |
| Pump Make | Zoeller | Model | 151 | Serial # | | Repair System Description: LP - 50% Reduction | | ☐ Other | No. Employees |
| # Nitrification Fields | 1 | # Lines | 5 | Linear Ft. | 300 | Maintenance Agreement Required: | ☐ YES ☑ NO | ☐ Slab | ☐ Crawl Space |
| Trench Width | 24 in | Trench Bottom Depth(Low side) | 36 in max | Gravel Depth | — | | ☐ GRAVITY ☑ PRESSURE | ☑ Basement w/ plumbing | ☐ Basement w/o plumbing |

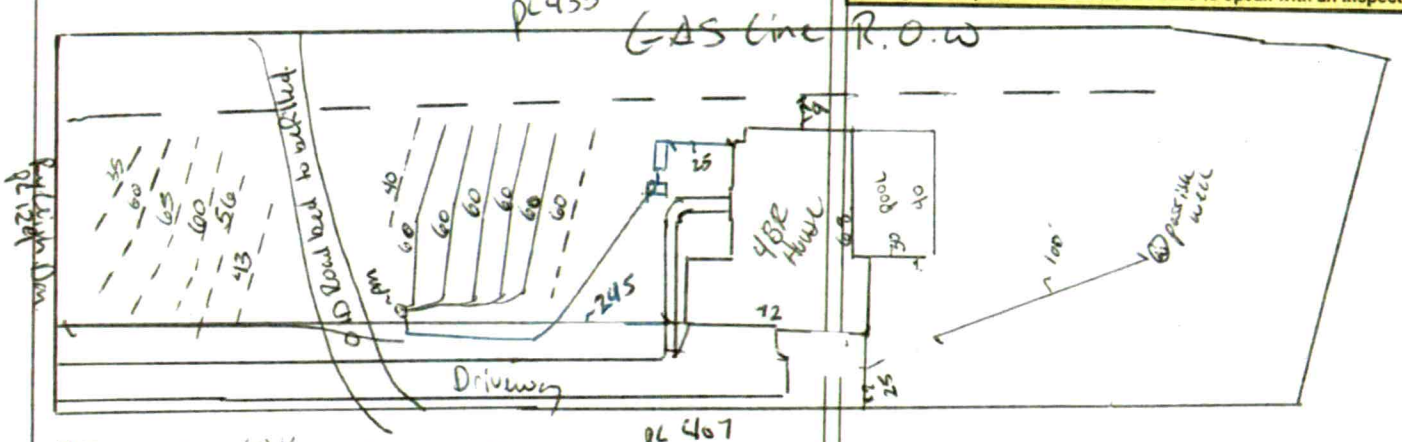
Water Supply: ☑ Private ☐ Public ☐ Community

Comments / Conditions: Fill Road Bed - Install on the contours of the Land. Utilize Pressure manifold. Do not Drive, Park, Pave, grade or run utilities in Drainfield. Basement to Grinder pump to house Floor plumbing.

Maintain 100ft from any well + Grinder for basement

INITIAL SITE SKETCH

1=60




248 gallon Dose (5) 1½ sch 80 top @ 5.48 gpm = 27.4 gpm
11.9 in Drawdown

AS BUILT SKETCH

FOR SEPTIC FINAL INSPECTION CALL: 704-664-3703 between 8am-9am the day the inspection is needed. Be sure to speak with an inspector to confirm your time.

Tanks Lines cw 3/22/23

Permit can be suspended or revoked if any false information is supplied toward securing the permit / any unauthorized changes are made to the site / any unauthorized changes are made in the installation of the system. CONTACT A LOCATOR SERVICE PRIOR TO ANY EXCAVATION

☐ IMPROVEMENT PERMIT with plat valid without expiration (Except) ☑ IMPROVEMENT PERMIT with site plan valid for 60 mos. ☑ AUTHORIZATION TO CONSTRUCT valid for period equal to IMPROVEMENT PERMIT--not to exceed 60 mo.

Owner / Applicant Signature: Tommy Jr Date: 8-22-22 Installed by: Stutts Grading

IMPROVEMENT PERMIT by: Brigman Bob Date: 8/8/2022 RATION PERMIT by: Cory Whit Date: 5/5/23

AUTHORIZATION TO CONSTRUCT by: Brigman Bob Date: 8/8/2022 xisting System Inspected by: Date:

FOR SEPTIC FINAL INSPECTION: CALL 704-664-3703 between 8am-9am the day the inspection is needed.

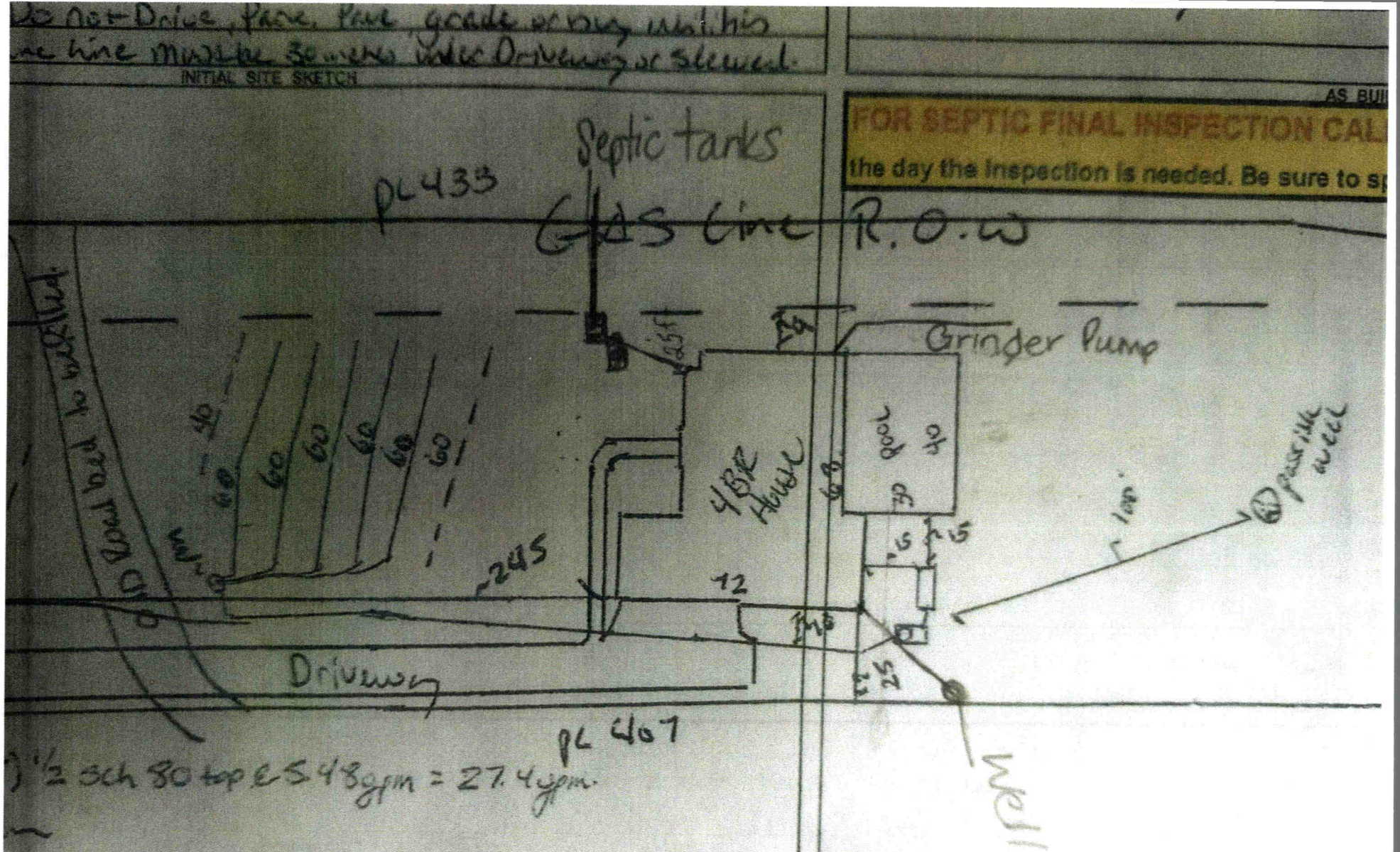
Do Not Drive, Park, Pave, grade or Dig within this area since Mature Trees, Underground Drainage or Sleeves.

INITIAL SITE SKETCH

AS BUI

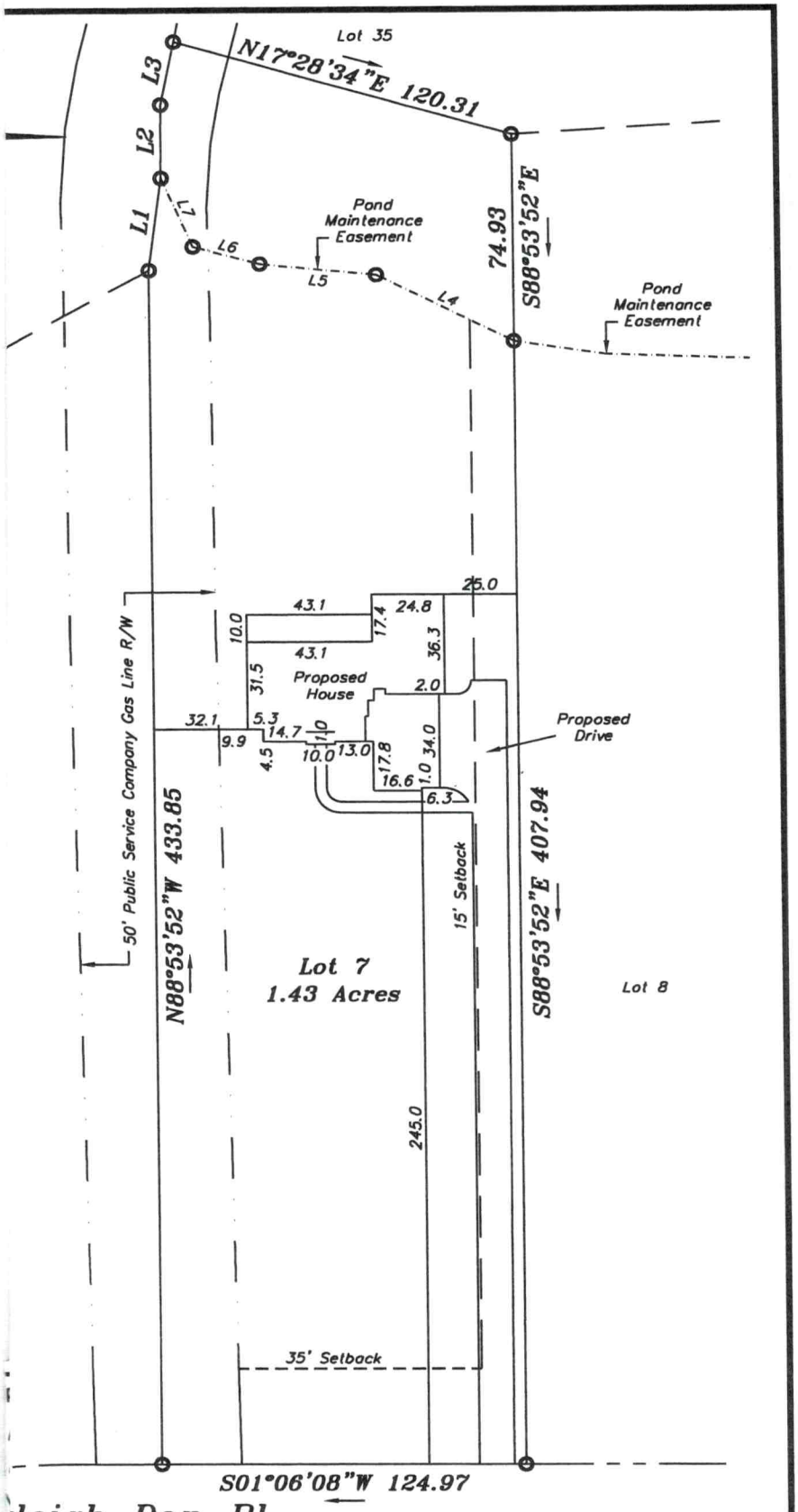
FOR SEPTIC FINAL INSPECTION CAL

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not valid without expiration. ☑ IMPROVEMENT PERMIT with site plan valid for 60 mos. ☑ AUTHORIZATION TO CONSTRUCT valid for peri


Lot 35
N17°28'34"E 120.31
L3
L2
L1
L7
L6
L5
L4
Pond Maintenance Easement
74.93
S88°53'52"E
Pond Maintenance Easement
25.0
43.1
24.8
17.4
10.0
36.3
43.1
31.5
Proposed House
2.0
32.1
5.3
14.7
10
9.9
4.5
10.0
13.0
17.8
34.0
1.0
16.6
6.3
Proposed Drive
50' Public Service Company Gas Line R/W
N88°53'52"W 433.85
15' Setback
S88°53'52"E 407.94
Lot 7
1.43 Acres
Lot 8
245.0
35' Setback
S01°06'08"W 124.97
leigh Dan Pl.
50' Public R/W
ts,
( IN FEET )
1 inch = 60 ft.
GRAPHIC SCALE

# SOIL/SITE EVALUATION

*(Continuation Sheet-Complete all field in full)*

*Sheet ____ of ____*

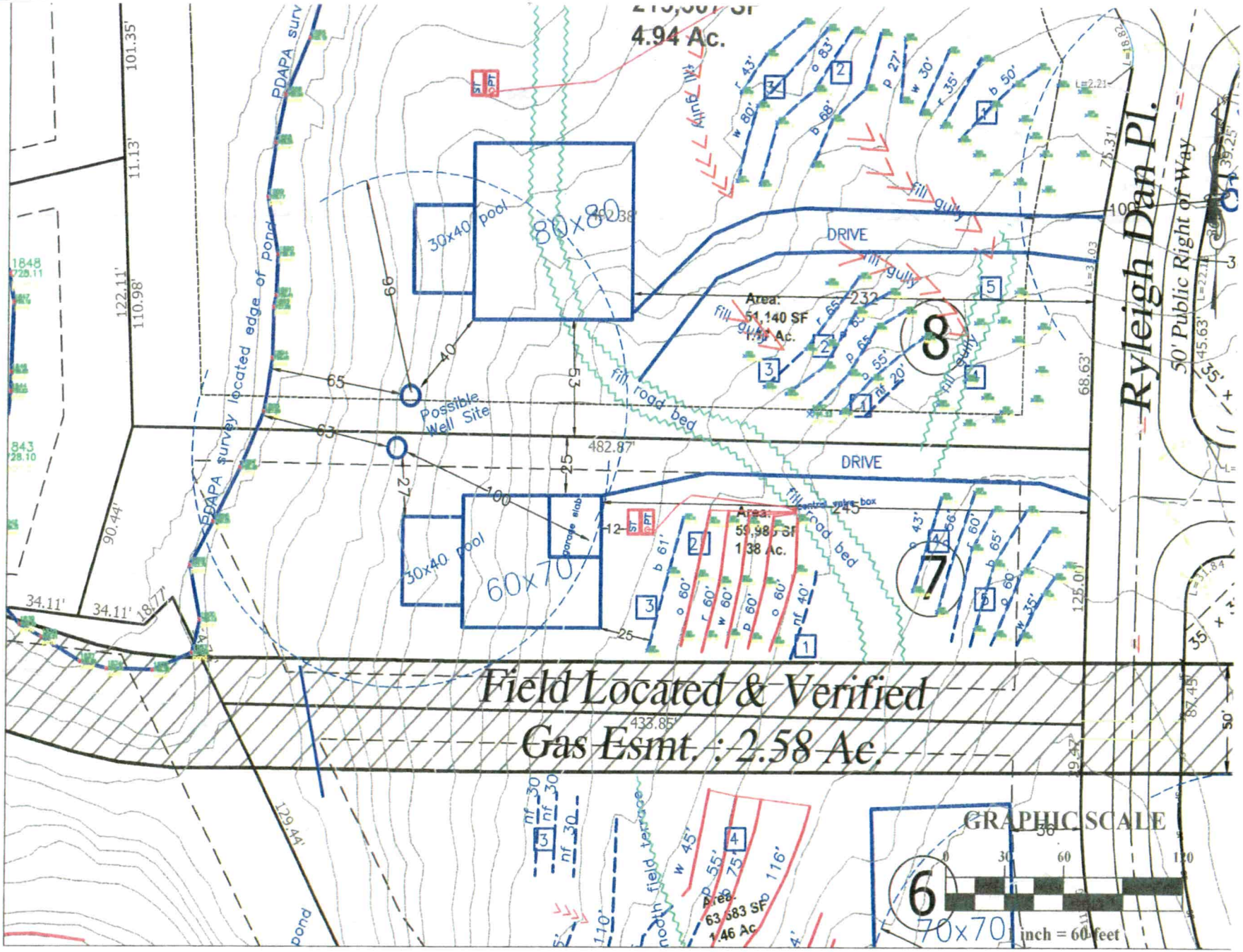
DEPARTMENT OF HEALTH AND HUMAN SERVICES
DIVISION OF PUBLIC HEALTH
ENVIRONMENTAL HEALTH SECTION
ON-SITE WATER PROTECTION BRANCH

Lot 7 Dawson Pond

PROPERTY ID #: _____
DATE OF EVALUATION: _____
COUNTY: _____

| 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 | .1956 SAPRO CLASS | .1944 RESTR HORIZ | PROFILE CLASS & LTAR |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | 0-30 | C SBK | SSSP FR SEXP | Red/Brown | 63 | Few inclusions toward bottom Pit | | PS .3 |
| | | 30-63 | CL SBK | SSSP FR SEXP | 5YR | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| 2 | | 0-12 | SCL SBK | SS SP FR | | 32 | | | PS .30 |
| | | 12-32 | C SBK | SSSP FR | | | | | |
| | | 32-63 | L SAP | NS NP VFR | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| 3 | | 0-11 | SCL GR SBK | | BR | 57 | | | PS .275 |
| | | 11-39 | C SBK/ABK | SSSP FR SEAP | EBL | | | | |
| | | 39-57 | CL WSBK/MAS | SSP FR/SEAP | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| 4 | Ridge | 0-30 | C ABK | SSSP FR SEXP | | 53 | | Few SAP & 22 MN conc | PS .25 |
| | | 30-53 | CL WSBK | SSSP FR SEXP | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| 5 | Ridge | 0-16 | C SBK/ABK | SS SP FR SBK | | 38 | | Lots Tubing | PS .30 |
| | | 16-38 | C SBK | SS SP FR | | | | | |
| | | 38-60 | LSAP | NS NP FR | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

COMMENTS: * Horse moving back 25ft



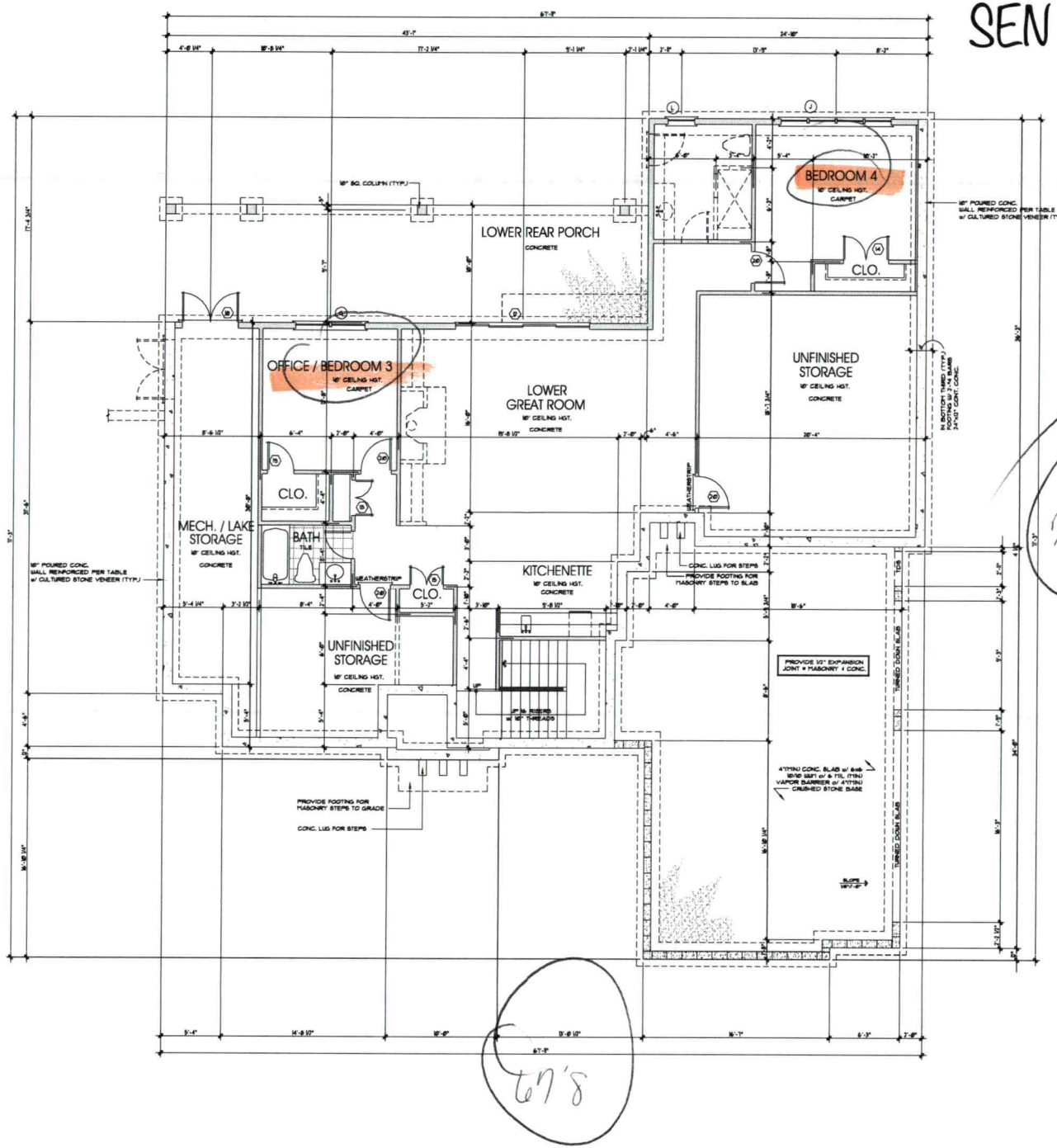

Oaksprings, LLC – Davidson Pond Subdivision – Lot 7 Septic Site Plan rev 10.6.21

Base site plan from PDAPA. House pad and lot lines staked by PDAPA. Septic lines located by PDAPA. Septic details by Penninger Soil Consulting. Refer to flags in field. Any proposed well or septic system must be approved and permitted by the ICHD. Refer to ICHD permit for system type and specifications.

BAB 5/22/2022

67' 8"

SEN




## NOTES:

- TYPICAL BASEMENT SLAB TO BE 4" THICK CONCRETE W/ 6x6, 10x10 WELDED WIRE MESH OR FIBER MESH OVER VAPOR BARRIER OVER 4" COMPACTED GRAVEL BASE
- SEE FRAMING NOTE 16 ON COVER SHEET FOR TYPICAL HEADER INFORMATION UNLESS NOTED OTHERWISE
- FOUNDATION WALL TO BE 18" THICK POURED CONCRETE-SEE DETAIL SHEETS FOR DETAILS ON REINFORCEMENT, ETC.
- TYPICAL EXTERIOR FOOTING TO BE 24"x12" THICK WITH 2-#4 BARS CONTINUOUS # BASEMENT CONDITIONS # 24"x18" THICK WITH 2-#4 BARS CONTINUOUS # GARAGE CONDITIONS
- SLAB INSULATION TO BE R-5 MINIMUM 24" AT PERIMETER OF FOUNDATION WALL
- TERMITE CONTROL SHALL BE BY CHEMICAL SOIL TREATMENT OR OTHER METHODS APPROVED BY THE NORTH CAROLINA DEPARTMENT OF AGRICULTURE
- ALL EXTERIOR STUDS TO BE 2x6 @ 16" O.C. INTERIOR WALLS TO BE 2x4 @ 12" O.C. UNLESS BEARING. BEARING WALL TO BE 2x6 @ 16" O.C.
- ALL ANGLED WALLS ARE 45° U.N.O.
- ■ INDICATES BLOCKING FOR ABOVE CONCENTRATED LOADS AND ROOF BRACING POINT LOADS UNLESS NOTED OTHERWISE
- PROVIDE DRAIN AT ANY MECHANICAL LOCATION SLOPE CONCRETE TOWARDS DRAIN
- PROVIDE FOUNDATION DRAIN ON FILL SIDE OF WALL & DRAIN TO DAYLIGHT
- STUB IN PLUMBING FOR ALL FUTURE AREAS
- ALL DOORS ARE 6" FROM WALL UNLESS DIMENSIONED OTHERWISE
- PROVIDE BEAM POCKET IN POURED WALL IF REQUIRED FOR BEARING OF DROPPED BEAM

## DOOR SCHEDULE

| | SIZE | DESCRIPTION |
|---|---|---|
| 1 | 2-3'-0" x 6'-8" | ENTRY |
| 2 | 2-2'-6" x 6'-8" | FRENCH |
| 3 | 2'-6" x 6'-8" | SOLID PANEL |
| 4 | 3'-0" x 6'-8" | SOLID PANEL |
| 5 | 2'-6" x 6'-8" | SOLID PANEL |
| 6 | 2'-8" x 6'-8" | SOLID PANEL |
| 7 | 2'-6" x 6'-8" | FIRE RATED |
| 8 | 1'-6" x 6'-8" | SOLID PANEL |
| 9 | 2'-6" x 6'-8" | POCKET |
| 10 | 3'-0" x 6'-8" | POCKET |
| 11 | 2'-6" x 6'-8" | EXTERIOR SLIDER |
| 12 | 4'-3'-0" x 6'-8" | EXTERIOR SLIDER |
| 13 | 3'-0" x 6'-8" | CASED OPENING |
| 14 | 2-2'-6" x 6'-8" | SOLID PANEL |
| 15 | 2-1'-6" x 6'-8" | SOLID PANEL |
| 16 | 2'-6" x 6'-8" | EXT. HALF LITE |
| 17 | 2'-6" x 8'-8" | EXT. HALF LITE |
| 18 | 2-2'-6" x 8'-8" | EXTERIOR |
| 19 | 2'-6" x 8'-8" | SOLID PANEL |
| 20 | 2'-6" x 8'-8" | SOLID PANEL |
| 21 | 2'-6" x 8'-8" | POCKET |

## WINDOW SCHEDULE

| | SIZE | DESCRIPTION |
|---|---|---|
| A | 2-3'-0" x 6'-0" | SINGLE HUNG |
| B | 2-2'-6" x 6'-0" | FIXED w/ 48" TRANSOM |
| C | 2'-0" x 2'-0" | FIXED |
| D | 3'-0" x 5'-0" | SINGLE HUNG |
| E | 3'-0" x 3'-0" | SINGLE HUNG |
| F | 4-2'-6" x 3'-0" | SINGLE HUNG |
| G | 2-3'-0" x 6'-0" | SINGLE HUNG |
| H | 3-3'-0" x 6'-0" | SINGLE HUNG |
| J | 4-3'-0" x 6'-0" | SINGLE HUNG |
| K | 4'-0" x 3'-0" | TEMPERED |
| L | 2'-0" x 3'-0" | SINGLE HUNG |
| M | 2-2'-0" x 3'-0" | FIXED |
| N | 4'-0" x 6'-0" | FIXED w/ 24" TRANSOM |
| P | 1'-0" x 6'-0" | FIXED w/ 24" TRANSOM |
| Q | 3'-0" x 3'-0" | TEMPERED |

## SQUARE FOOTAGE

| | |
|---|---|
| MAIN LEVEL | 2,373 SQ.FT. |
| LOWER LEVEL | 1,338 SQ.FT. |
| TOTAL HEATED | 3,711± SQ.FT. |
| FRONT PORCH | 55 SQ.FT. |
| THREE-CAR GARAGE | 834 SQ.FT. |
| UNF. STORAGE | 615 SQ.FT. |
| MECH./LAKE STORAGE | 282 SQ.FT. |
| LOWER REAR PORCH | 431 SQ.FT. |
| TOTAL UNDER ROOF | 5,928± SQ.FT. |


Rally Designs
704.631.6031
www.rallymeadandridedesigns.com


LAKEMIST HOMES

PLAN INFO.

A New Custom Residence
*The Arrington Residence*

PLAN NO.

REVISIONS

SEAL

DRAWN BY: D.R.

CHECKED BY:

DATE: -

DRAWING TITLE: LOWER LEVEL

SCALE: 1/4" = 1'-0"

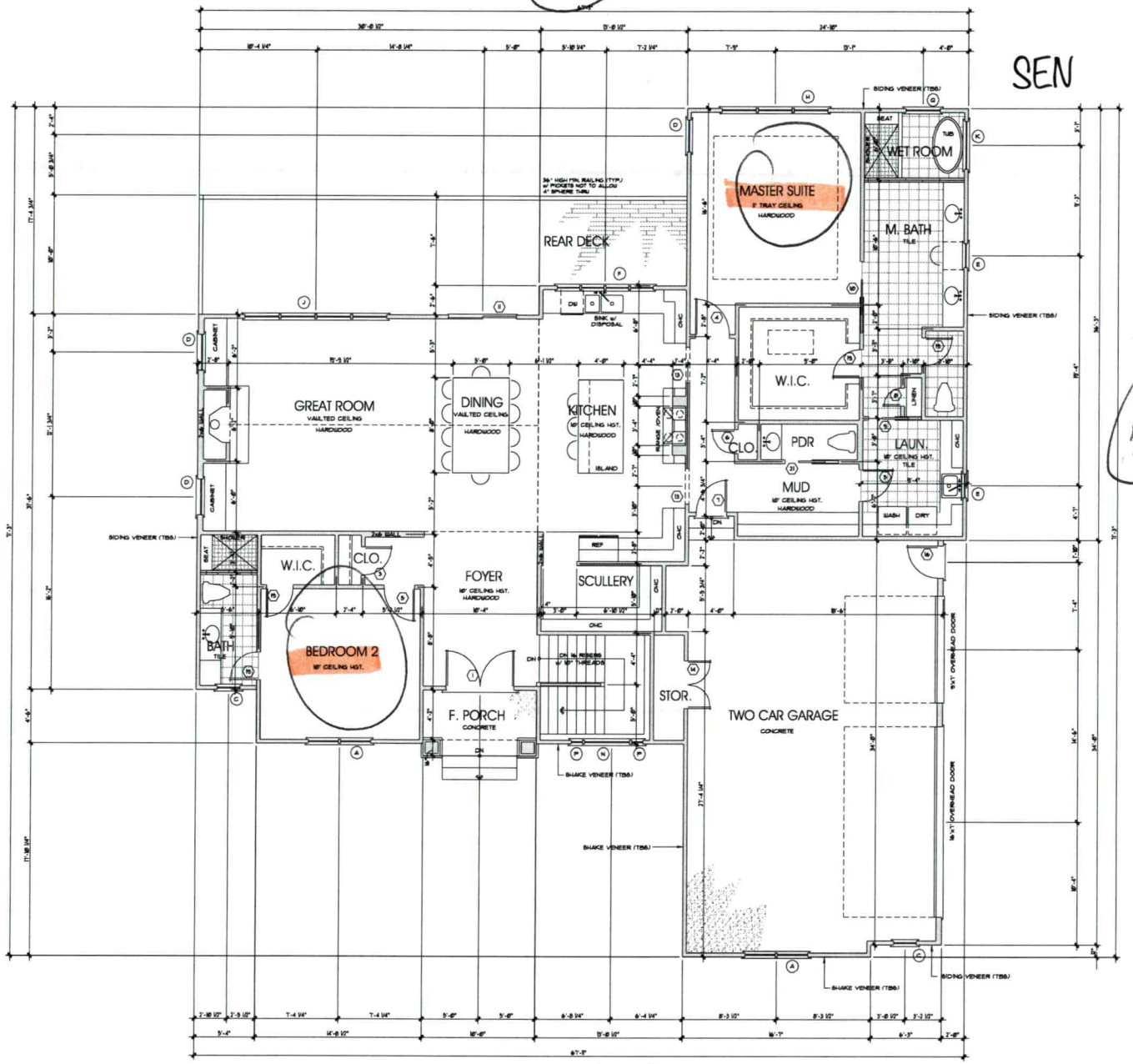
SHEET NO.: -

OF - SHEETS

BAB 5/24/2022

67'8"

SEN




71'3"

71'3"

67'8"

## NOTES:

- ALL ANGLED WALLS ARE 45° U.N.O.
- ■B INDICATES BLOCKING FOR ABOVE CONCENTRATED LOADS AND ROOF BRACING POINT LOADS U.N.O.
- SEE FRAMING NOTE ■ FOR HEADER SIZES UNLESS NOTED ON PLAN
- ALL DOORS ARE 6" FROM WALL UNLESS DIMENSIONED OTHERWISE

| EXTERIOR WALL HEIGHT (h) | STUD SIZE/ SPACING |
|---|---|
| h ≤ 10' | 2x4 @ 16" oc |
| 10' < h ≤ 11' | 2x4 @ 12" oc |
| 11' < h ≤ 13' | 2x6 @ 16" oc |
| h ≥ 13' | CONSULT ENG. |

GARAGE WALL TO BE 2x6 @ 16" O.C. IF EXCEEDING 10' IN HEIGHT

NOTE TO BUILDER/OR LUMBER SUPPLIER

DO NOT ALTER THE FRAMING PLANS WITHOUT THE APPROVAL OF THE ENGINEER OF RECORD. ANY CHANGES MADE WITHOUT REVIEW AND APPROVAL BY THE ENGINEER OF RECORD SHALL ABSOLVE HIM OF ALL RESPONSIBILITY FOR ALL ASPECTS OF THE ENGINEERED DESIGN.

### HANGER SCHEDULE

| MEMBER | HANGER (U.N.O.) |
|---|---|
| 2-2x6 | LUS26-2 |
| 2-2x10 | HUS210-2 (MAX) |
| 2-2x12 | HUS212-2 (MAX) |
| 2-1 3/4 x 9 1/4 LVL | HHAI18 (MAX) |
| 2-1 3/4 x 9 1/8 LVL | HHAI2 (MAX) |
| 2-1 3/4 x 14 LVL | HHAI6 (MAX) |
| ALL TRIPLE LVL | HHUS5.5/18 |

Simpson Strong-Tie Co., Inc. (or brand-name equivalent)

### DOOR SCHEDULE

| # | SIZE | DESCRIPTION |
|---|---|---|
| 1 | 2-3⁰ x 6⁸ | ENTRY |
| 2 | 2-2⁰ x 8⁰ | FRENCH |
| 3 | 2⁰ x 8⁰ | SOLID PANEL |
| 4 | 3⁰ x 8⁰ | SOLID PANEL |
| 5 | 2⁰ x 8⁰ | SOLID PANEL |
| 6 | 2⁰ x 8⁰ | SOLID PANEL |
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LAKEMIST HOMES

PLAN INFO.

A New Custom Residence
*The Arrington Residence*

PLAN NO.

REVISIONS

SEAL

DRAWN BY: D.R.

CHECKED BY:

DATE: -

DRAWING TITLE: MAIN LEVEL PLAN

SCALE: 1/4" = 1'-0"

SHEET NO.: -

OF - SHEETS