# ICHD - ENVIRONMENTAL HEALTH DIVISION

Statesville Office (704) 878-5305 Mooresville Office (704) 660-3625 PERMIT # AP 2022-8243

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

PIN # 4810 -- 01 -- 3564

APPLICANT/OWNER: Dennis Galliher APPLICANT ADDRESS: 3360 Jennings Rd Union Grove NC 28689

SITE ADDRESS: 477 Damascus Church Rd Statesville NC 28625 PHONE: 704-902-4075 ALT. PHONE –

SITE DIRECTIONS: Continue on 115, (L) on Damascus Church Rd SAP CONTROLLED: ☐ YES ☑ NO

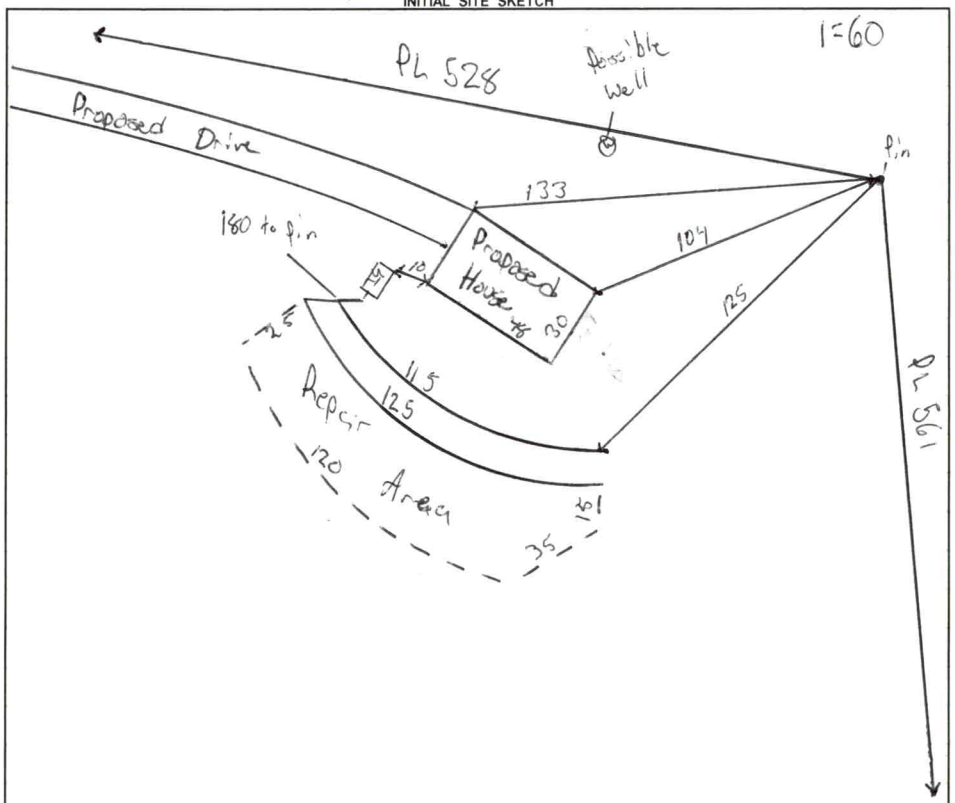
SUBDIVISION: – SECTION: – LOT # – LOT AREA: 41.54 ac DESIGN FLOW: 240 L.T.A.R.: .25

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Septic Tank | 1000 (gal) | STB | Date | ☑ New System | ☐ Repair | ☐ Expansion | System Type: I II (III) IV V VI | ☒ Residence | No. Bedrooms 2 |
| Pump Tank | (gal) | PT | Date | System Description: | 25% Reduction - Serial | | | ☐ Business | No. Persons 4 |
| Pump Make | Model | | Serial # | Repair System Description: | 25% Reduction | | | ☐ Other | No. Employees |
| # Nitrification Fields | 1 | # Lines | 2 | Linear Ft | 240 | Maintenance Agreement Required: | ☐ YES ☑ NO | ☐ Slab | ☒ Crawl Space |
| Trench Width | 36 in | Trench Bottom Depth(Low side) | 20 in | Gravel Depth | N/A | ☑ GRAVITY | ☐ PRESSURE | ☐ Basement w/plumbing | ☐ Basement w/o plumbing |

**Water Supply**: ☒ Private ☐ Public ☐ Community

Comments / Conditions: Install on contour with 4ft on center throughout system. Serial distribution. Do not drive, park, or construct on septic area.

INITIAL SITE SKETCH




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.**

*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.* ☑ **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: J Dennis Galliher Date: 12-14-22 Installed by: _____

IMPROVEMENT PERMIT by: Matt Winn Date: 12/13/22 OPERATION PERMIT by: _____ Date: _____

AUTHORIZATION TO CONSTRUCT by: Matt Winn Date: 12/14/22 Existing System Inspected by: _____ Date: _____

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

| Item | Date | Initials |
|---|---|---|
| Drain Lines Checked | | |
| Tanks Checked | | |
| Pressure Manifold or Valve Box Checked | | |
| Pressure Head Set | | |
| Electrical Checked | | |
| Floats Set | | |
| Alarm Checked | | |
| Maintenance Contract Needed? Y / N | | |
| Comments: | | |
| | | |
| | | |

| Repairs Only | |
|---|---|
| | **State Code** |
| Failing System Code | |
| Type of Distribution | G or P |
| Type of Failure/Malfunction | |
| Primary Cause of Failure/Malfunction | |
| | |
| Age of System? _____ | |
| Initial or Repair? _____ | |

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

Sheet 1 of 2
PROPERTY ID #: [illegible]3664
COUNTY: Iredell

**SOIL/SITE EVALUATION**
***for* ON-SITE WASTEWATER SYSTEM**
(Complete all fields in full)

OWNER: Dennis Gallicher
ADDRESS: 3360 Jennings Rd Union Grove
PROPOSED FACILITY: SFR
PROPOSED DESIGN FLOW (.1949): 240
LOCATION OF SITE: 477 Damascus Church
WATER SUPPLY: Private (Public) Well Spring Other
EVALUATION METHOD: Auger Boring (Pit) Cut
TYPE OF WASTEWATER: (Sewage) Industrial Process Mixed

APPLICATION DATE 11/7/22
DATE EVALUATED: 12/2/22
PROPERTY SIZE: 41.59 AC
PROPERTY RECORDED: 2/5/15

| PROFILE # | .1940 LANDSCAPE POSITION/ SLOPE % | HORIZON DEPTH (IN.) | SOIL MORPHOLOGY (.1941) .1941 STRUCTURE/ TEXTURE | SOIL MORPHOLOGY (.1941) .1941 CONSISTENCE/ MINERALOGY | OTHER PROFILE FACTORS .1942 SOIL WETNESS/ COLOR | .1943 SOIL DEPTH | .1956 SAPRO CLASS | .1944 RESTR HORIZ | PROFILE CLASS & LTAR |
|---|---|---|---|---|---|---|---|---|---|
| 1 | SH 18% | 0-5 | SCL/Gr | ss sp fr SE | - | 24 | Sap inclusions begin at 24 | - | PS .1 Drip |
| | | 5-24 | C/ABk | S P fr SE | | | | | |
| | | 24-40 | CL SAP | SS fr SE | | | | | |
| | | 40+ | Rock | F: | | | | | |
| 2 | ~~SH~~ | Rock at 20 | | | | | | | U |
| 3 | 15% Nose | 0-12 | Flow/SBK | SS Sp fr SE | | 22 | Sap at 22 | | PS .1 Drip |
| | | 12-22 | C/SBK | S P fr SE | | | | | |
| | | 22-36 | CL SAP | | | | | | |
| | | 36-53 | Rock | | | | | | |
| 4 | 14% SH | 0-8 | SCL/SBK | ss sp fr SE | | 38 | | Rock at 38 | PS .25 |
| | | 8-28 | C SBK | ss sp fr SE | | | | | |
| | | 28-38 | CL WSBK | SP SS 3% fr | | | | | |
| | | 38-45 | Rock | | | | | | |

| DESCRIPTION | INITIAL SYSTEM | REPAIR SYSTEM |
|---|---|---|
| Available Space (.1945) | 240 | 240 |
| System Type(s) | 25% | 25% |
| Site LTAR | .25 | .25 |

OTHER FACTORS (.1946):
SITE CLASSIFICATION (.1948): PS
EVALUATED BY: Matthew Williamson
OTHER(S) PRESENT:

COMMENTS:

# LEGEND

***use the following standard abbreviations***

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

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

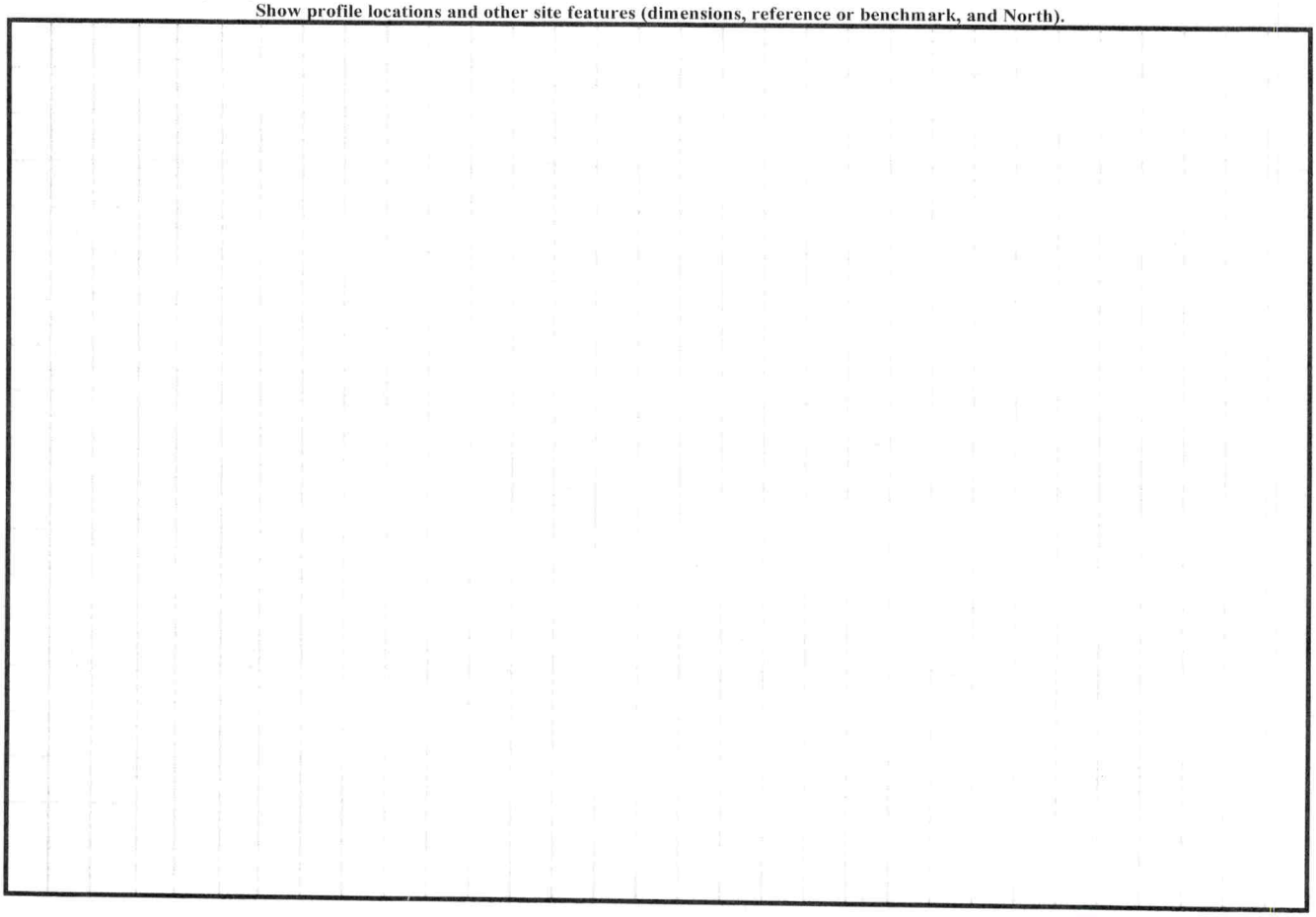
***NOTES***

| | |
|---|---|
| *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) |
| *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), PS (Provisionally Suitable), or U (Unsuitable) |

Evaluation of saprolite shall be by pits.

Long-term Acceptance Rate (LTAR): gal/day/ft$^2$

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



# SOIL/SITE EVALUATION

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



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

PROPERTY ID #: 45100/3564
DATE OF EVALUATION: 12/5/18
COUNTY: Lincoln

| PROFILE # | .1940 LANDSCAPE POSITION/ SLOPE % | HORIZ ON 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 | 15% SH | 0-8 | SCL/SBK | SS Sp fr SE | – | 46 | Sap inclusions begin at 20 | – | PS .3 |
| | | 8-20 | C/SBK | S P fr SE | | | | | |
| | | 20-48 | CL/wSBK | SS Sp fr SE | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| 6 | LS 6% | 0-10 | SCL/SBK | SS Sp fr SE | – | 48 | Sap inclusions begin at 25 | – | PS .275 |
| | | 10-26 | C/ABK | S P fr SE | | | | | |
| | | 26-48 | CL/ABK | SS Sp fr SE | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| 7 | FS 13% | 0-5 | SCL/SBK | SS Sp fr SE | – | 22 | Sap at 22 | Rock at 36 | PS .1 Dip |
| | | 5-22 | C/ABK | S P fr SE | | | | | |
| | | 22-36 | CL SAP | | | | | | |
| | | 36-48 | Rock | | | | | | |
| | | | | | | | | | |
| 8 | FS 20% | 0-7 | SCL/SBK | SS Sp fr SE | – | 16 | SL SAP 24-48 | Rock 16-24 | Un |
| | | 7-16 | C/ABK | S P fr SE | | | | | |
| | | 16-24 | Rock | – | | | | | |
| | | 24-48 | SL SAP | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
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| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

COMMENTS: _____

# LEGEND

***use the following standard abbreviations***

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| | II | SL (Sandy Loam)<br>L (Loam) | 0.8 - 0.6 | 0.4 - 0.3 | | |
| | III | Si (Silt)<br>SiCL (Silty Clay Loam)<br>CL (Clay Loam)<br>SCL (Sandy Clay Loam)<br>SiL (Silt Loam) | 0.6 - 0.3 | 0.3 - 0.15 | | |
| | | | | | **MOIST** | **WET** |
| | IV | SC (Sandy Clay)<br>SiC (Silty Clay)<br>C (Clay) | 0.4 - 0.1 | 0.2 - 0.05 | VFR (Very Friable)<br>FR (Friable)<br>FI (Firm)<br>VFI (Very Firm v. Very Sticky)<br>EFI (Extremely Firm) | NS (Non-sticky)<br>SS (Slightly Sticky)<br>S (Sticky)<br>VS (Very Sticky)<br>NP (Non-plastic)<br>SP (Slightly Plastic)<br>P (Plastic)<br>VP (Very Plastic) |
| | | O (Organic) | None | None | | |

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

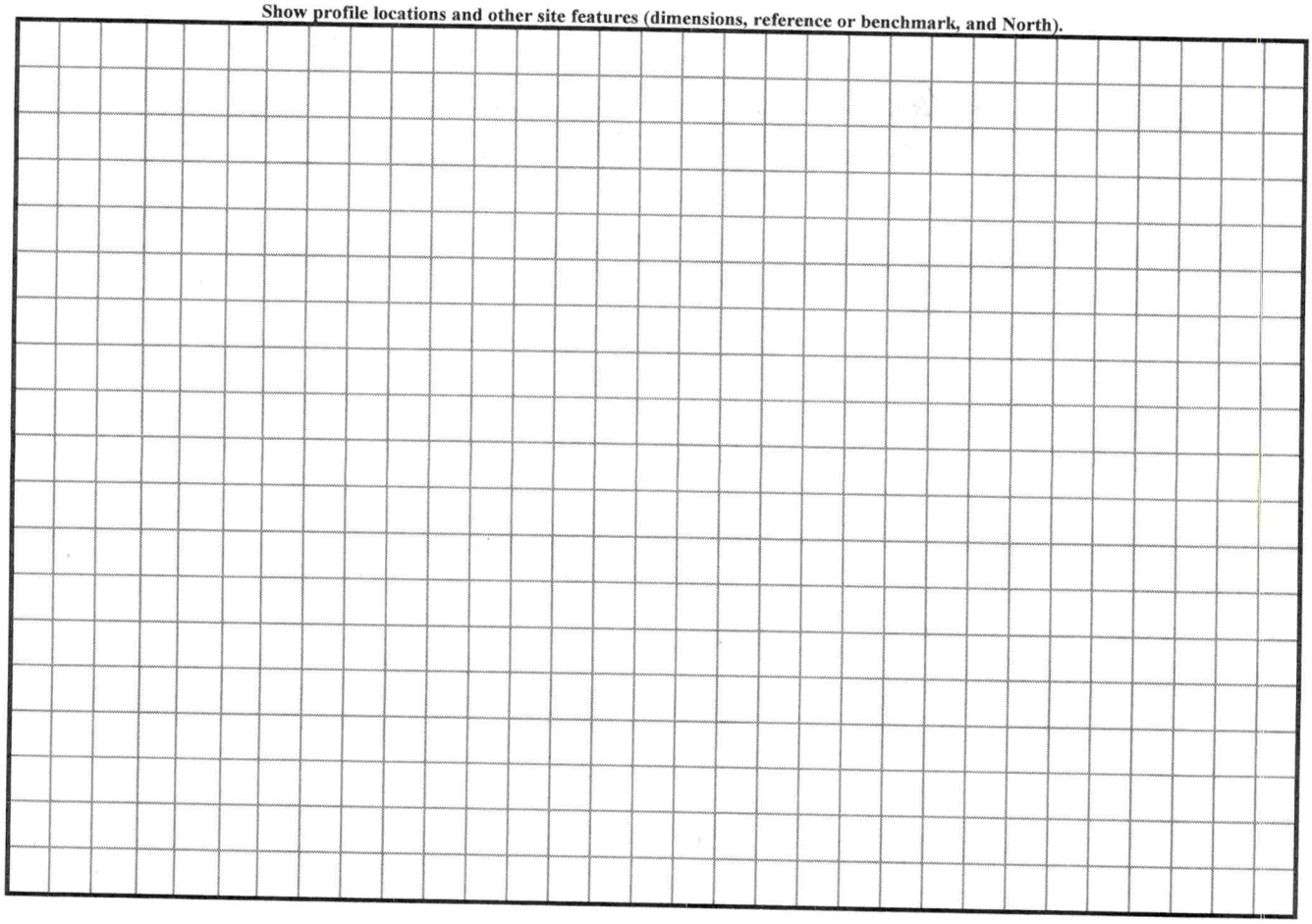
***NOTES***

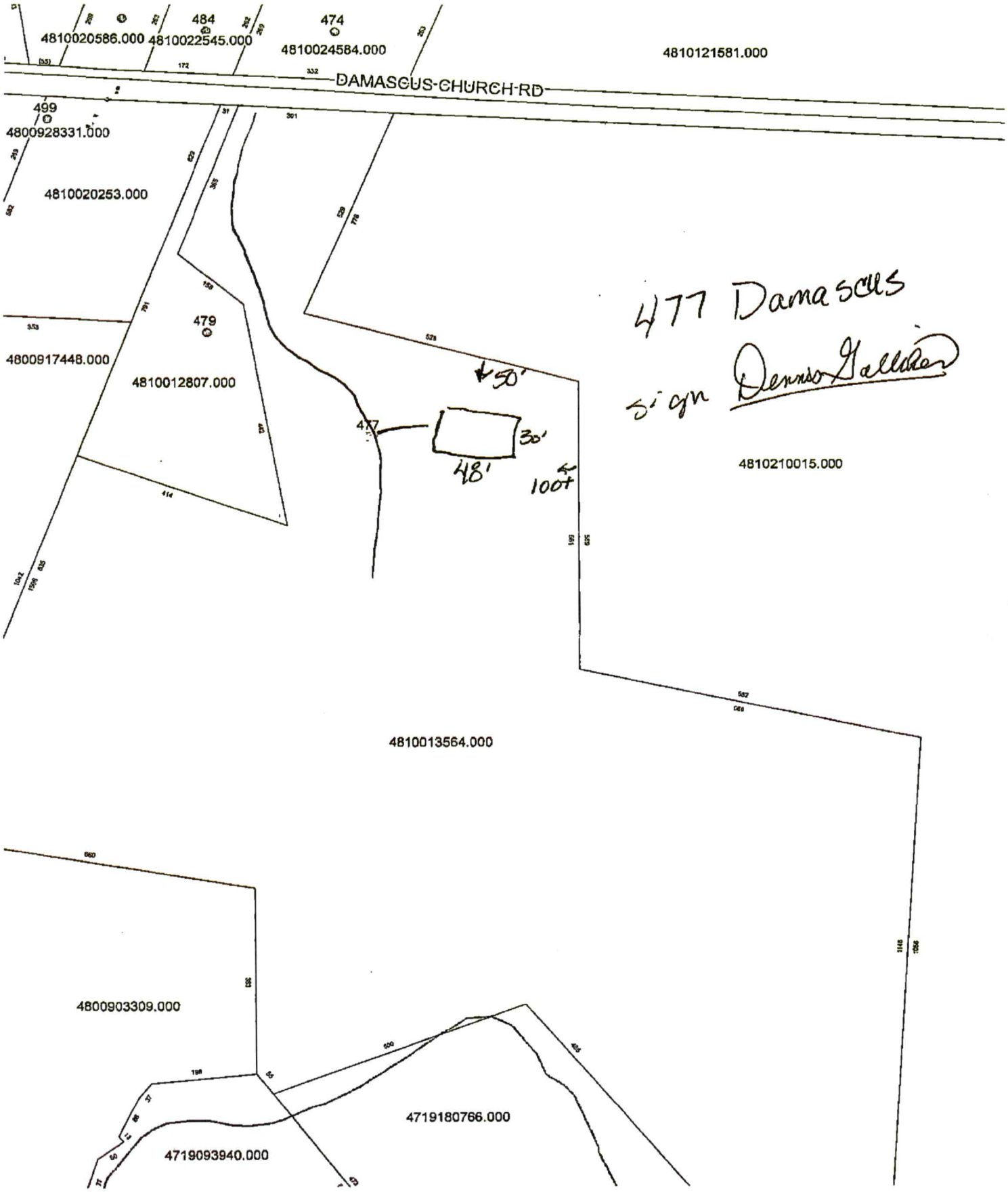
| | |
|---|---|
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| *DEPTH OF FILL* | In inches from land surface |
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| *CLASSIFICATION* | S (Suitable), PS (Provisionally Suitable), or U (Unsuitable) |

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Long-term Acceptance Rate (LTAR): gal/day/ft$^2$

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






477 Damascus

sign Dennis Gallaher

NEW DENNIS GALLIHER RESIDENCE
477 DAMASCUS ROAD, STATESVILLE, NC

PAGE 1.0 - FLOOR PLAN AND TYP. SECTION

GENERAL NOTES:

1. ALL WORK PER THE 2018 NC RES. CODE
2. CONTRACTOR TO VERIFY ALL NOTES WITH OWNER PRIOR TO CONSTRUCTION

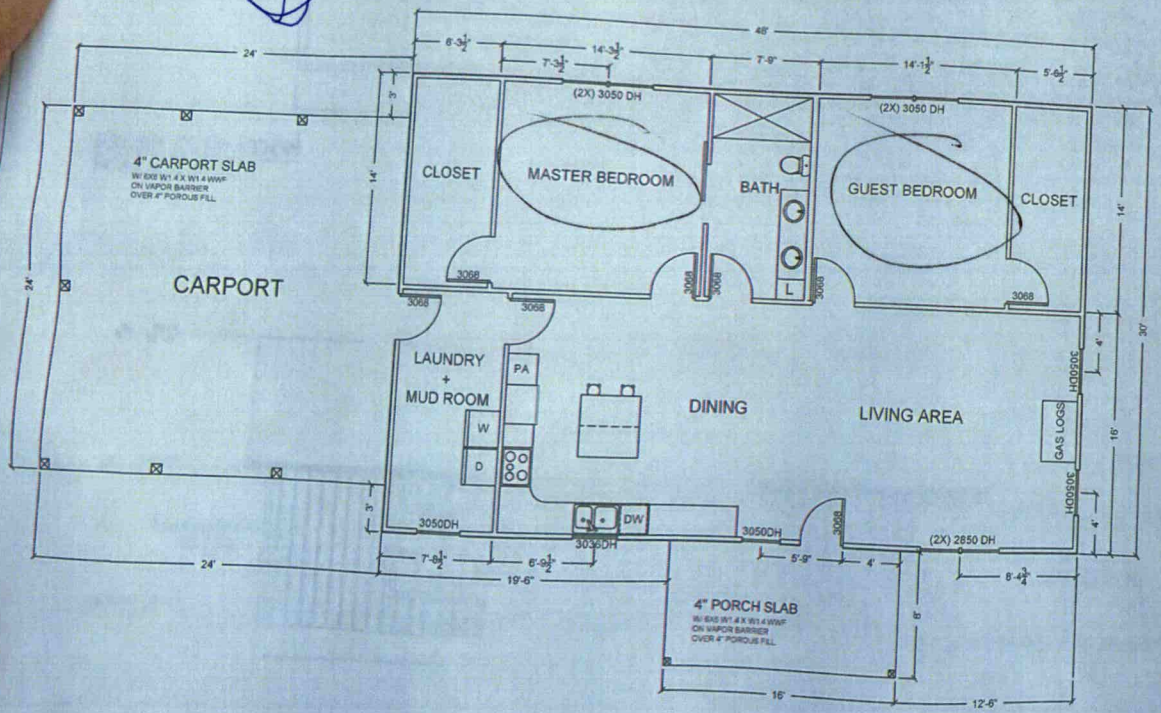
Dennis Galliher 12-16-22

Acknowledgement Of Plans Submittal ONLY!

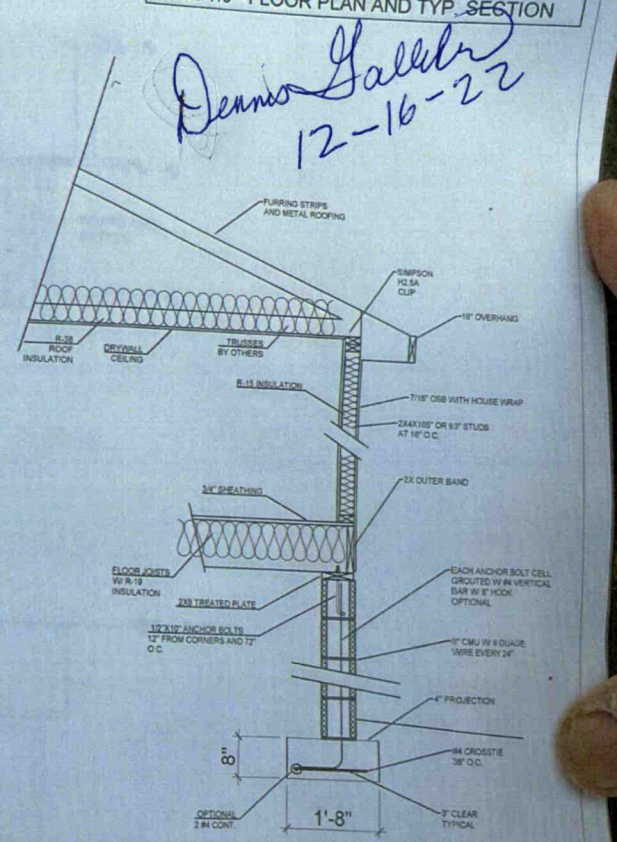
Date 12/14/22

Date

Dennis Galliher 12-16-22




FLOOR PLAN
SCALE: 1/8"=1'




TYP. SECTION
SCALE: 1/2"=1'