



1065 Marks\_Rd

<b>Long</b>	-79.08280253768410	-79.08320523984960	-79.08329322444180	-79.08293841505740
<b>Lat</b>	35.25235230224890	35.25228934269480	35.25211571491960	35.252116425761
<b>Boring_Type</b>	Conventional	Conventional	Conventional	Conventional
<b>Slope</b>	2-5	2-5	2-5	2-5
<b>Landscape_Position</b>	Linear	Linear	Linear	Linear
<b>LTAR</b>	0.8	0.8	0.8	0.8
<b>Saprolite</b>	No	No	No	No
<b>Soil_Wetness</b>	N/A	N/A	N/A	N/A
<b>H1_Depth</b>	48	48	48	48
<b>H1_Texture</b>	Loamy Sand	Loamy Sand	Loamy Sand	Loamy Sand
<b>H1_Moist_Consistency</b>	Loose	Loose	Loose	Loose
<b>H1_Structure</b>	Gr	Gr	Gr	Gr
<b>H1_Mineralogy</b>	Non Expansive	Non Expansive	Non Expansive	Non Expansive
<b>H1_Stickiness</b>	Non Sticky	Non Sticky	Non Sticky	Non Sticky
<b>H1_Plasticity</b>	Non Plastic	Non Plastic	Non Plastic	Non Plastic
<b>Usable_Depth</b>	48	48	48	48



An area was identified with usable soil to support a 720 GPD/6BR subsurface wastewater system. The system type and exact location would need to be confirmed with a field layout/design. The client will need to confirm there are not restrictions, easements, right of ways or other encumbrances on the property that would limit the use of the area shown on the report. Example 4BR System: 1,500 Gallon Septic Tank - 300' Conventional Leach Line @ 30" Max Depth



County: Harnett

IMPROVEMENT PERMIT FOR G.S. 130A-335(a2)/SL2022-11

PIN/Lot Identifier: 099574 0057

Issued To: Tommy Hulsey

Property Location: 1065 Marks Rd. Cameron NC 28326

Subdivision: \_\_\_\_\_ Lot #: \_\_\_\_\_ Block: \_\_\_\_\_ Section: \_\_\_\_\_

LSS Report Provided: Yes  No

If yes, name and license number of LSS: Thomas Boyce, 1241

New  Repair  Expansion  System Relocation

Proposed Structure: Single Family Home

Proposed Wastewater System Type: II - Conventional (Initial) II - Conventional (Repair)

Fill System:  Yes  No If yes, specify:  New  Existing (when adding more than 6 inches of fill to system area please provide a fill plan)

Proposed Design Daily Flow: 720 GPD Proposed LTAR (Initial): .8 Proposed LTAR (Repair): .8

Design Wastewater Strength:  domestic  high strength  industrial process

Number of bedrooms: 6 Number of Occupants: Max 12 Other: \_\_\_\_\_

Pump Required:  Yes  No  May be required based upon final location and elevations of facilities

Artificial Drainage Required:  Yes  No If yes, please specify details: \_\_\_\_\_

Type of Water Supply:  Private well  Public well  Municipal Supply  Spring  Other: \_\_\_\_\_

Drainfield location meets requirements of Rule .1945: Yes  No

Drainfield location meets requirements of Rule .1950: Yes  No

Permit valid for:  Five years [site plan submitted pursuant to GS 130A-334(13a)]  No expiration [plat submitted pursuant to GS 130A-334(7a)]

Permit conditions:  
See attached permit conditions

Licensed Soil Scientist Print Name: Thomas Boyce, 1241

Licensed Soil Scientist Signature: *Thomas J. Boyce* Date: 01/20/23

The LSS evaluation is being submitted pursuant to and meets the requirements of G.S. 130A-335(a2).

\*See attached site sketch\*





County: Harnett

CONSTRUCTION AUTHORIZATION FOR G.S. 130A-335(a2)/SL2022-11

PIN/Lot Identifier: 099574 0057

Issued To: Tommy Hulsey

Property Location: 1065 Marks Rd. Cameron NC 28326

AOWE/PE Plans/Evaluations Provided: Yes  No  If yes, name and license number of AOWE/PE: 10006E Thomas Boyce

Facility Type: Single Family Home

New  Expansion  Repair  System Relocation

Basement?  Yes  No Basement Fixtures?  Yes  No

Type of Wastewater System\*\* II - Conventional (Initial) II - Conventional (Repair)

Design Daily Flow: 720 GPD Wastewater Strength:  domestic  high strength  industrial process

Session Law 2014-120 Section 53, Engineering Design Utilizing Low-flow Fixtures and Low-flow Technologies?  Yes  No

**Installation Requirements/Conditions**

Septic Tank Size: 1500 gallons Total Trench/Bed Length: 300 feet Trench/Bed Spacing: 9 feet on center

Drainfield square footage: N/A Trench/Bed Width: 36 inches LTAR: .8 gpd/ft<sup>2</sup>

Soil Cover: 6"+ inches Slope Adjusted Maximum Trench/Bed Depth: 30 inches

Aggregate Depth: 2 inches above pipe N/A inches below pipe N/A inches total

Pump Tank Size (if applicable): 1,000 (if Needed) gallons Requires more than 1 pump?  Yes  No

Pump Requirements: TBD ft. TDH vs. TBD GPM Grease Trap Size (if applicable): N/A gallons

Distribution Method:  Serial  D-Box or Parallel  Pressure Manifold(s)  LPP  Other: Parallel or Serial

Artificial Drainage Required: Yes  No  If yes, please specify details: \_\_\_\_\_



**Legal Agreements** (If the answer is "Yes" to any type of legal agreements, please attach a copy of the agreement.)

Multi-party Agreement Required [.1937(h)]:  Yes  No

Easement, Right-of-Way, or Encroachment Agreement Required [.1938(j)]:  Yes  No

Declaration of Restrictive Covenants:  Yes  No

**\*\*If applicable:**

*I understand the system type specified is different from the type specified on the application. I accept the specifications of this permit.*

Owner/Legal Representative Print Name: Tommy Hulsey

Owner/Legal Representative Signature: Tommy Hulsey Date: 1/20/23

Pre-Construction Conference Required: Yes  No

Conditions: \_\_\_\_\_

See attached permit conditions - Maintain 15' setback off of basement.

Client to provide site plan showing dimensions of house / property boundaries, and system area to health department upon request.

The construction and installation requirements of Rules .1950, .1952, .1954, .1955, .1956, .1957, .1958, and .1959 are incorporated by reference into this permit and shall be met. Systems shall be installed in accordance with the attached system layout.

AOWE/PE Print Name: Thomas Boyce, 1241

AOWE/PE Signature: Thomas J Boyce Date: 01/20/23

This AOWE/PE submittal is pursuant to and meets the requirements of G.S. 130A-335(a2) and (a5).

\*See attached site sketch\*



NCLSS #1241  
AOWE #10006E  
Thomas Boyce, LSS, REHS, AOWE  
Marlin Wastewater Services, LLC



(910)999-PUMP  
www.mseptic.com  
info@mseptic.com  
PO Box 865, West End NC, 27376

**AOWE/SL2022-11 Permit Requirements**

- Pre-construction conference with septic contractor required before beginning installation.
- It is the responsibility of the contractor to contact the AOWE prior to installation.
- Systems shall not be installed in wet conditions or the permit will be revoked.
- Any changes to the proposed plans must be approved by the AOWE.
- Do not allow any traffic, construction, excavation, utilities, material storage, or any other disturbance to take place on the designated septic area or repair area. These activities may void your permit.
- The client/owner is responsible for marking any property lines and corners.
- The contractor is responsible for ensuring that the septic system is installed in the proper location and that all setbacks are met. See NCAC 18A . 1950 for setback requirements. The contractor is responsible for ensuring that the septic system is installed in accordance with local rules in counties where this is applicable.
- The system installation must be inspected by the local health department at certain stages during the installation.
- For systems with pumps, the contractor is responsible for the proper installation of the electrical components. An electrical permit must be obtained and a person with a valid NC Electrical license must provide electrical service to the pump controller and alarm.
- This permit shall become invalid and/or may be revoked if the site is altered. There shall be no grading, cutting, logging or other soil disturbance in the septic area. Design does not guarantee functionality or future performance.
- The contractor is responsible for backfilling the system components so that no areas are subject to the retention or ponding of surface water. After the installation is completed, some settling of the backfill material may take place. The system owner is responsible for eliminating settled or sunken areas, stabilization, and final landscaping of the ground surface. No heavy equipment or vehicular traffic over the leach field.
- Installer to re-establish field layout prior to pre-construction conference for initial and repair systems as applicable.
- Tanks must be leak tested by the manufacturer.
- Installer must be certified by NCOWCICB at appropriate grade level for system.
- Installer must carry adequate general liability insurance.



**Additional Requirements:**

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"The LSS evaluation is being submitted pursuant to and meets the requirements of G.S. 130A- 335(a2)."

**Maintenance Requirements:**

System should be maintained in accordance with NCAC 18A .1961 -

The contents shall be pumped whenever the solids level is found to be more than 1/3 of the liquid depth in any compartment.

**Owner/Client Acknowledgment of Permit Requirements**

Tommy Hulsey  
Owner Signature

01 / 20 / 2023  
Date



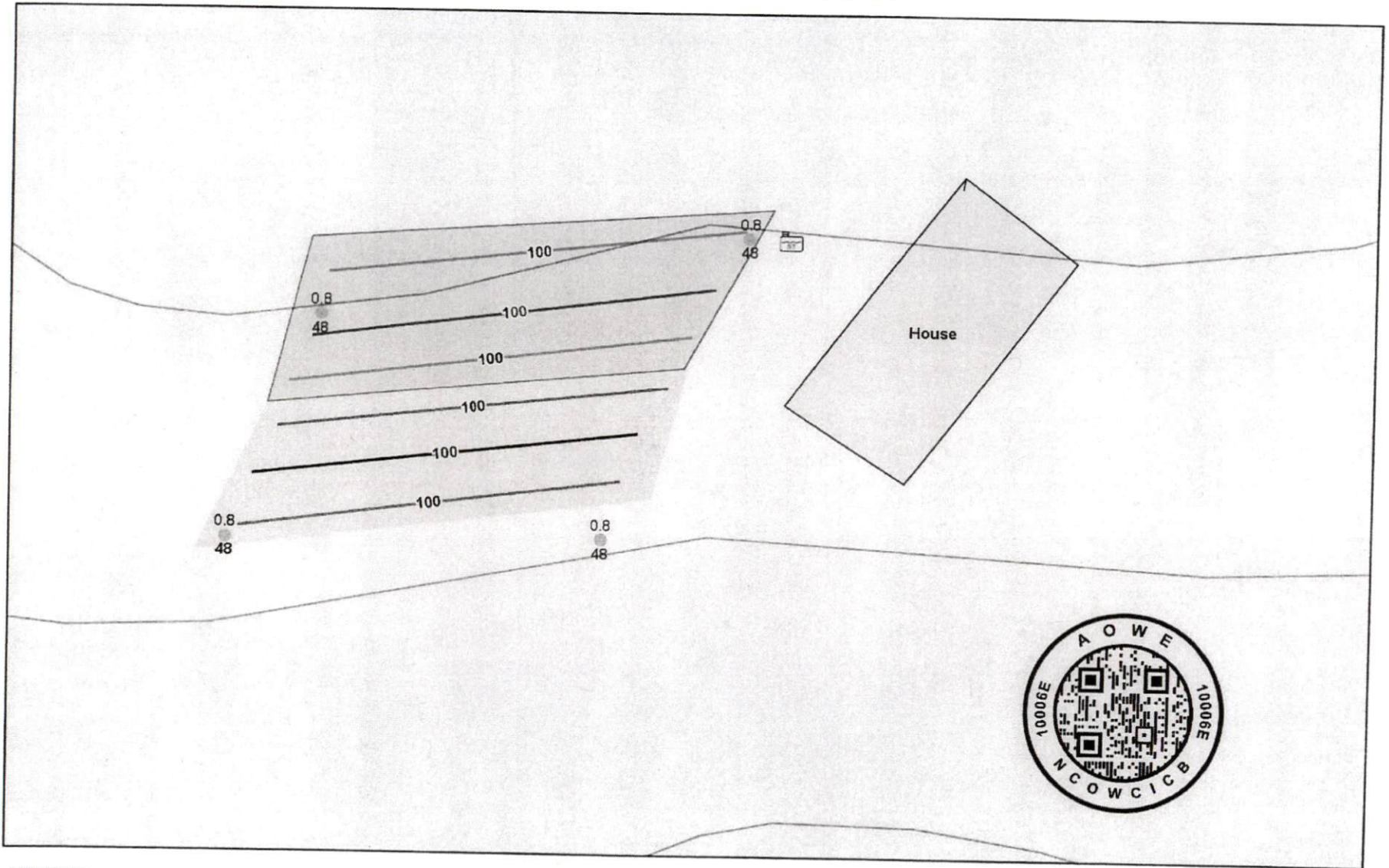
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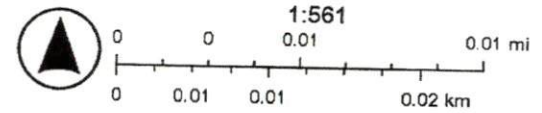
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# 1065 Marks Rd. LSS 2023



1/20/2023

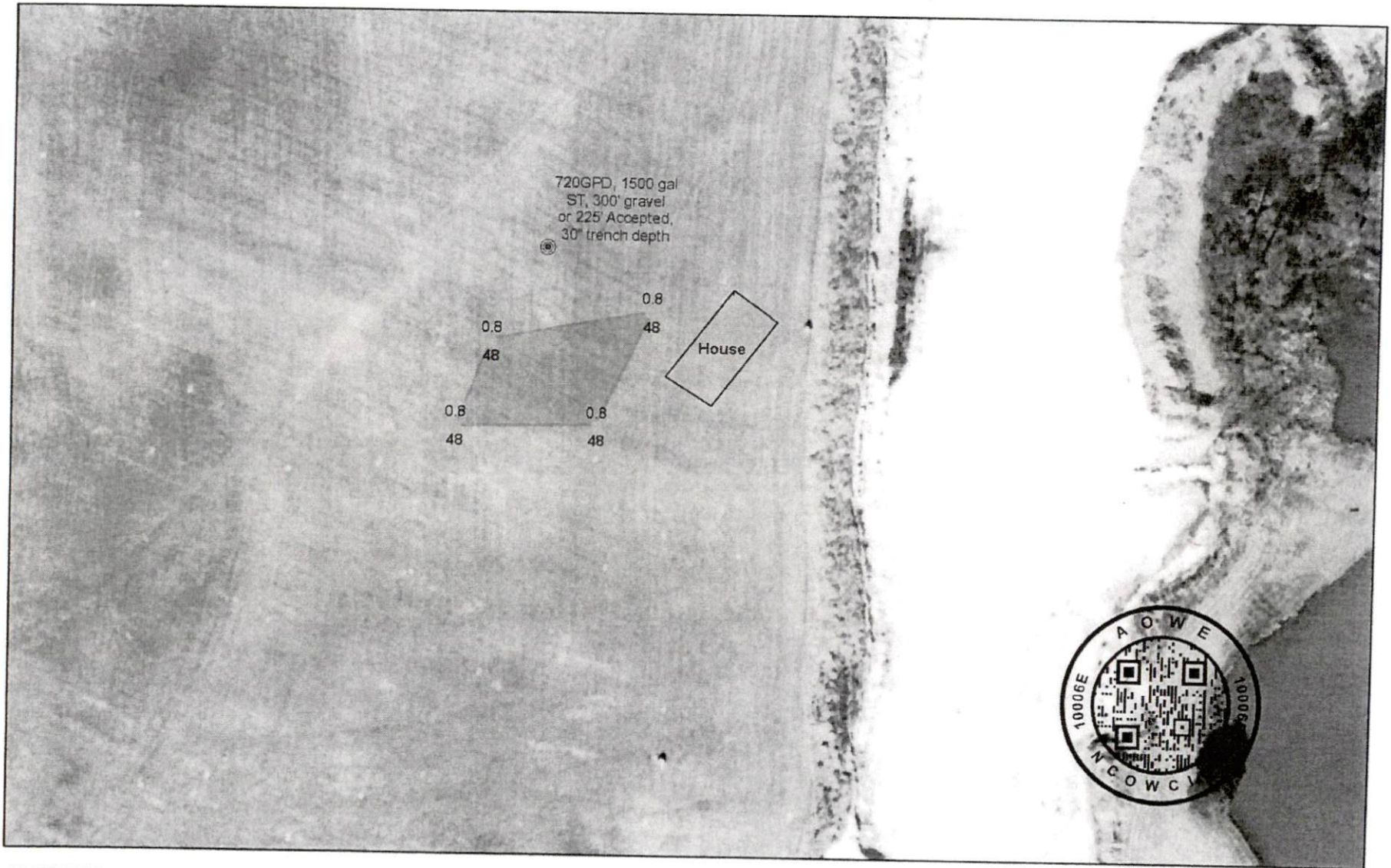
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|---|---------------------------|---------------------------|
| North Carolina Parcels (Polygons) - Parcels | PSC - Points              | Blue                      |
| Contours: 2' Interval - Base Contour 2 feet | Septic Tank               | House Box                 |
| Initial Area                                | System Area - Leach Lines | System Area - Repair Area |
| PSC - Borings                               | Red                       | Conventional              |
| Conventional                                | White                     |                           |



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# 1065 Marks Road-Cameron NC



10/27/2022

PSC - Borings

● Conventional

PSC - Points

● Point Generic

House Box

Usable Soils Area

Hamett Parcels

World Imagery

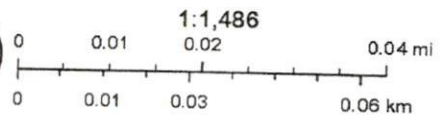
Low Resolution 15m Imagery

High Resolution 60cm Imagery

High Resolution 30cm Imagery

Citations

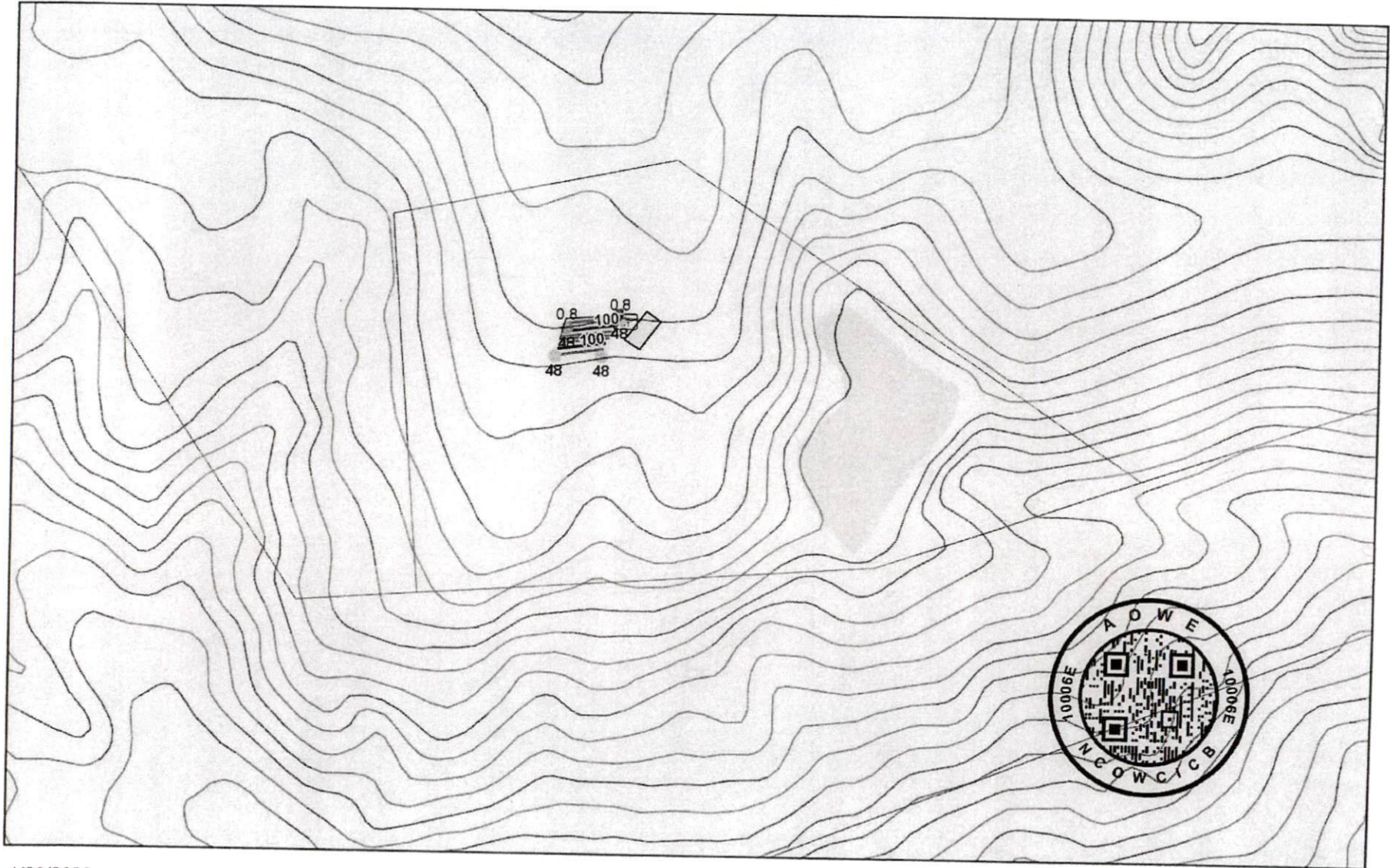
30cm Resolution Metadata



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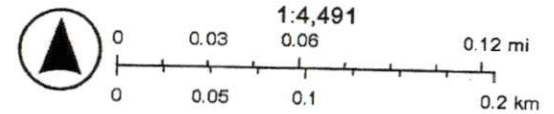


# 1065 Marks Rd. LSS 2023



1/20/2023

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# Signature Certificate

Reference number: ZLE6P-R3JCV-GMNPA-RKTD4

Signer	Timestamp	Signature
<b>Tommy Hulsey</b> Email: thtile@me.com		
Sent:	20 Jan 2023 20:04:12 UTC	
Viewed:	20 Jan 2023 20:05:33 UTC	
Signed:	20 Jan 2023 21:03:29 UTC	
<b>Recipient Verification:</b>		IP address: 174.245.86.239 Location: Charlotte, United States
✓Email verified	20 Jan 2023 20:05:33 UTC	

Document completed by all parties on:  
20 Jan 2023 21:03:29 UTC

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