JORDAN ENGINEERING
144 N. WARREN ST. MONTICELLO, GA 31064
(706) 468-8999 www.jordan-eng.com
Engineering Surveying Soils UAV Mapping

LEVEL 3
SOIL INVESTIGATION REPORT

JORDAN ENGINEERING, INC., 144 N. WARREN ST., MONTICELLO, GA 31064
PHONE (706) 468-8999
robert@jordan-eng.com

TWO-FOOT CONTOUR INTERVAL TOPO LINES DEPICTED HERE WERE CREATED FROM 2020 NOAA LIDAR DATA. JORDAN ENGINEERING CANNOT CERTIFY THE DATA ACCURACY.

UNLESS OTHERWISE STATED, PROPERTY BOUNDARY LINES SHOWN HEREON ARE BASED ON TAX PARCEL INFO AND SHOULD BE CONSIDERED APPROXIMATE.

BUILDING CONTRACTOR SHOULD DIRECT ROOF AND SURFACE DRAINAGE AWAY FROM DRAINFIELD AND AVOID SWALES TO PREVENT SYSTEM FAILURE.

COUNTY: **MORGAN** SUBDIVISION: LOT NOs. **5**

CLIENT/OWNER: **BARRS INDUSTRIES** CLIENT EMAIL: **abarrs@barrsco.com**

STREET NAME: **OCONEE ROAD** CLIENT PHONE: **478-955-8231**

ESTIMATED SOIL PROPERTIES

SOIL SERIES	DEPTH TO OBSERVED HIGH WATER TABLE (inches)	DEPTH TO AUGER REFUSAL (inches)	DEPTH TO INDICATORS OF SEASONAL WATER TABLE (inches)	ABSORPTION RATE FOR INSTALLATION RANGE (minutes/inch)	APPROX. SLOPE (percent)	RECOMMENDED INSTALLATION DEPTH RANGE (inches)	SUITABILITY CODE	CONVENTIONAL SYSTEM NOTES
PACOLET	>72	>72	>72	50	5-10	24 - 48	A	SUITABLE

1.) THIS REPORT IS VOID IN AREAS WHERE CUT OR FILL OF MORE THAN 18" OCCURS AFTER THE TIME OF THE FIELD STUDY.
2.) THESE RESULTS DO NOT GUARANTEE THE PROPER PERFORMANCE OF AN ONSITE SEWAGE MANAGEMENT SYSTEM AT THIS SITE.

BORINGS SHOWN HEREON WERE INSTALLED WITH A 72" HAND AUGER AND MAPPED USING A SUB-METER TRIMBLE GNSS UNIT.

I CERTIFY THAT THIS IS A LEVEL 3 SOIL REPORT.

DATE 11/5/25

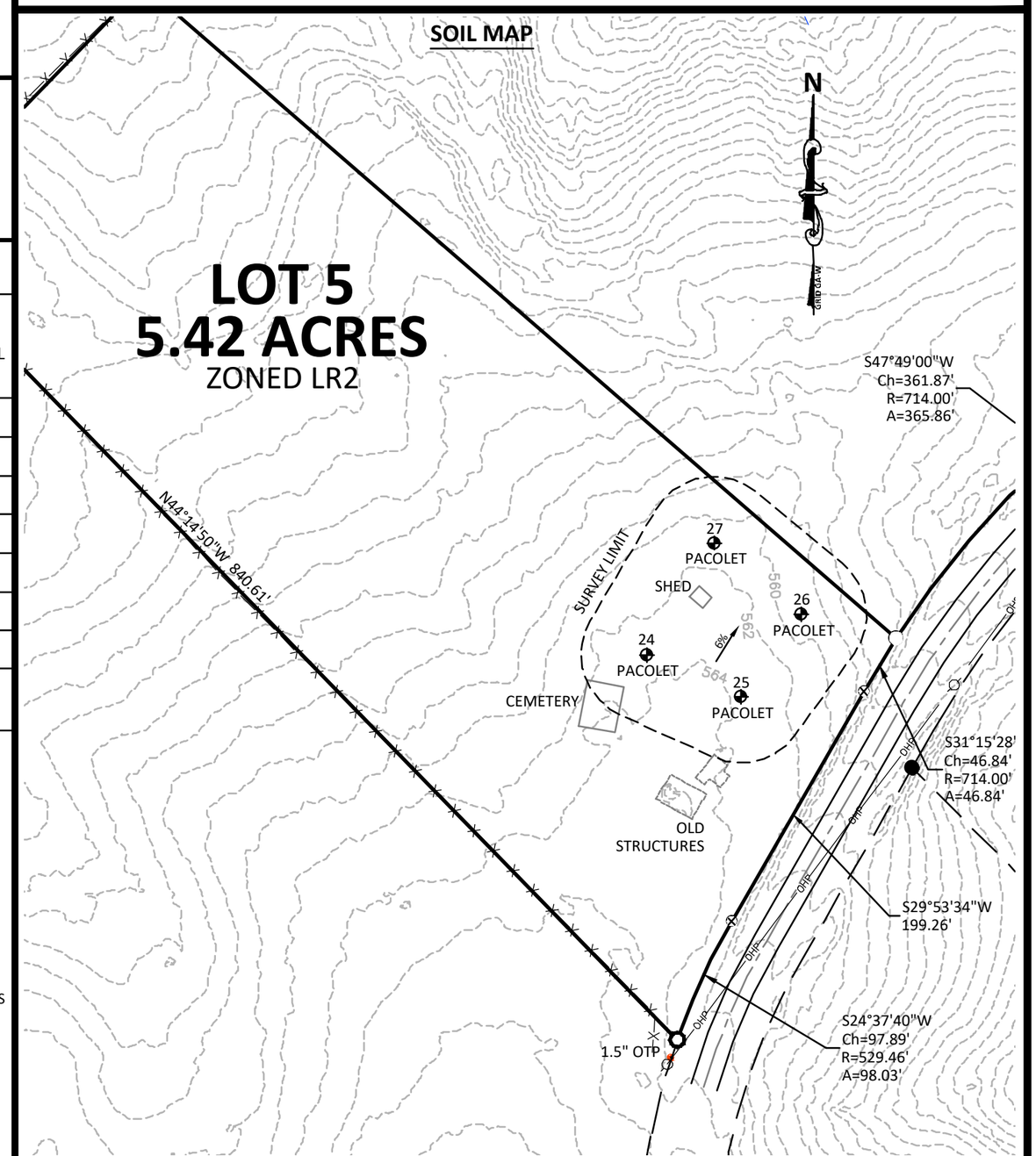
GEORGIA REGISTERED No. 22561 PROFESSIONAL ENGINEER ROBERT Q. JORDAN

CERTIFIED SOIL CLASSIFIER

KEY TO GEORGIA DHR SUITABILITY CODES:

A. SOIL SERIES SHOULD HAVE THE ABILITY TO FUNCTION AS SUITABLE ABSORPTION FIELD WITH PROPER DESIGN, INSTALLATION, AND MAINTENANCE.
B. SOME ROCK OR STONY CONDITIONS WERE FOUND. THIS SOIL SHOULD FUNCTION AS A SUITABLE ABSORPTION FIELD PROVIDING THAT THE SYSTEM IS PUT IN FIRST TO MAKE SURE THERE WILL BE NO ROCK LIMITATIONS. HOLES HAVE BEEN AUGERED TO 72" DEEP WITHOUT REFUSAL IN THIS UNIT.
C. DUE TO WATER TABLE, FLOODING, AND DRAINAGE PROBLEMS, THERE IS A HIGH PROBABILITY OF FAILURE FOR CONVENTIONAL SYSTEMS INSTALLED IN THIS SOIL SERIES. YOUR HEALTH DEPARTMENT CAN DISCUSS WITH YOU IF AN ALTERNATIVE SYSTEM MIGHT BE AN OPTION FOR YOUR SITUATION.
D. DUE TO SURFACE DRAINAGE OR FLOODING PROBLEMS, THESE SOIL TYPES SHOULD BE AVOIDED. SITE ALTERATIONS WHICH CONTROL SURFACE AND/OR SUBSURFACE WATER MAY MAKE THESE AREAS SUITABLE. A FURTHER SOIL STUDY IS RECOMMENDED IF ALTERATIONS ARE MADE.
F. NORMALLY CONSIDERED UNSATISFACTORY FOR INSTALLATION OF CONVENTIONAL ABSORPTION FIELDS.
I. DEPTH TO BEDROCK IS GENERALLY NOT SUFFICIENT TO ACCOMMODATE A SEPTIC SYSTEM. HOWEVER, AREAS OF THIS SOIL WITH BEDROCK DEPTHS OF 36" OR DEEPER OR INCLUSIONS OF OTHER SUITABLE SOILS WITH SUFFICIENT DEPTHS TO ROCK MAY BE SUITABLE. ADDITIONAL HAND AUGER BORINGS OR BACKHOE PIT INSPECTIONS MAY REVEAL SUITABLE AREAS WITHIN THIS SERIES.
N1. THIS SOIL IS VARIABLE IN HARDNESS AND/OR DEPTH OF THE PARENT MATERIAL OR SAPROLITE. AUGER REFUSAL OCCURRED AT A DEPTH LESS THAN 48." BACKHOE PIT INSPECTIONS IN THESE SOILS MAY REVEAL CONDITIONS OR AREAS THAT ARE SUITABLE FOR CONVENTIONAL SEPTIC SYSTEM INSTALLATION.
N2. THIS SOIL IS VARIABLE IN HARDNESS AND/OR DEPTH OF THE PARENT MATERIAL OR SAPROLITE. AUGER REFUSAL OCCURRED AT A DEPTH GREATER THAN 48." SHALLOW CONVENTIONAL SEPTIC SYSTEM INSTALLATION SHOULD BE SUCCESSFUL IN THESE SOILS PROVIDED THAT THE SYSTEM IS INSPECTED DURING INSTALLATION TO DETERMINE THAT THERE ARE NO ROCK LIMITATIONS.
P. THIS SOIL SERIES HAS WATER TABLE OR DRAINAGE PROBLEMS IN THE LOWER PORTION OF THE SOIL WHICH COULD CAUSE PROBLEMS FOR CONVENTIONAL SEPTIC SYSTEMS. HOWEVER, THE DEPTH TO THE SEASONAL HIGH WATER WATER TABLE IS SUCH THAT A SHALLOW INSTALLATION (WHICH MAINTAINS THE REQUIRED 24" SEPARATION BETWEEN THE TRENCH BOTTOM AND THE SEASONAL HIGH WATER TABLE) IS POSSIBLE AND MAY RESULT IN PROPER SYSTEM FUNCTION.
J. THIS SOIL EXHIBITS SLOW PERCOLATION WHICH MAY RESULT IN SYSTEM FAILURE.

SOIL MAP



SOILTYPE
3 SOIL BORING/SERIES

AR - AUGER REFUSAL DEPTH
SHWT - SEASONAL HIGH WATER TABLE DEPTH
WT - SATURATED SOILS ENCOUNTERED

0' 100' 200' 300'
SCALE 1" = 100'

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MADISON	>72	>72	>72	50	10-20	24 - 48	A	SUITABLE
RION	>72	>72	>72	50	10-20	24 - 48	A	SUITABLE

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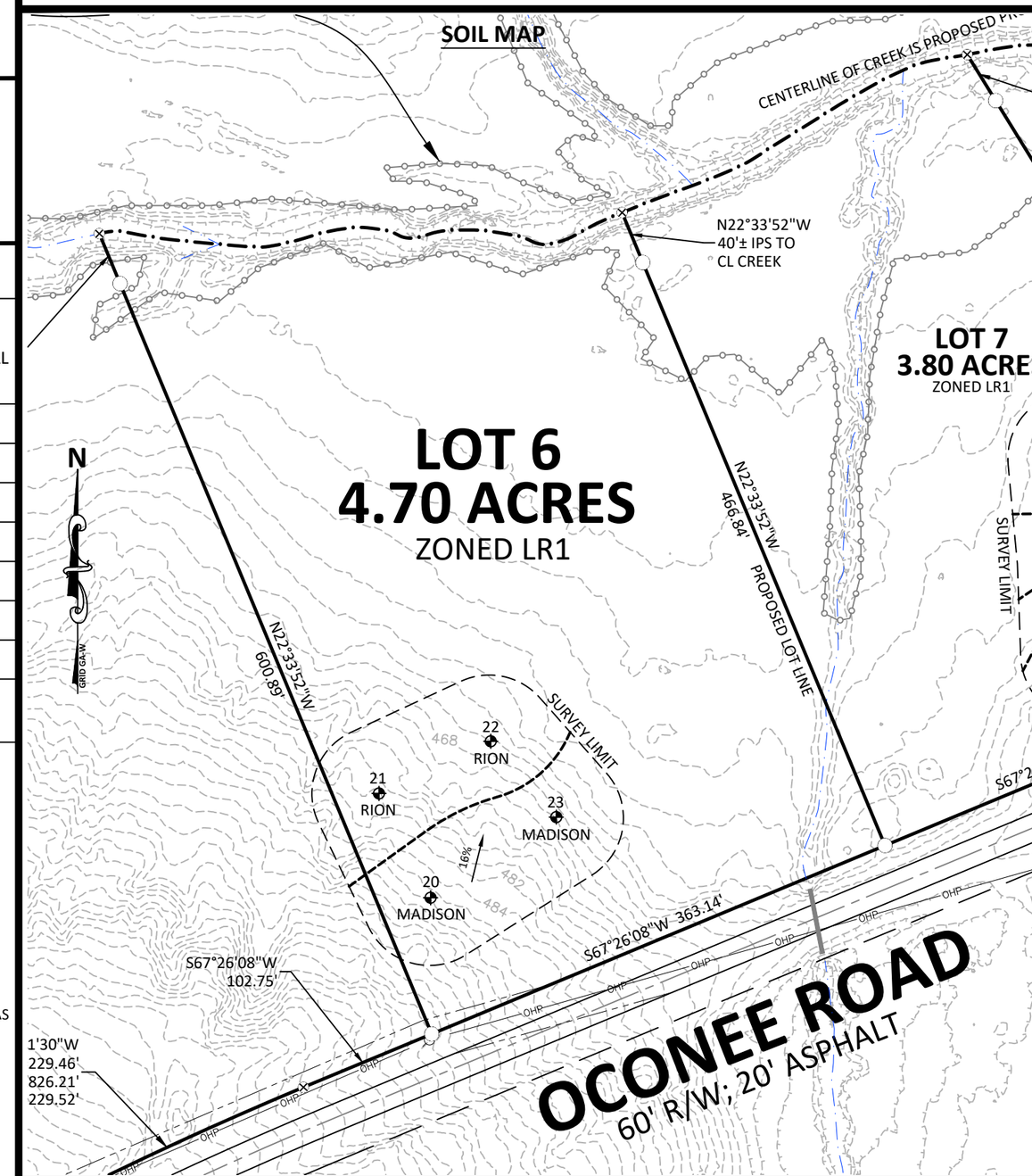

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