ICHD - ENVIRONMENTAL HEALTH DIVISION

Statesville Office (704) 878-5305 x3456 Mooresville Office (704) 660-3625

BLDR-2023-39046 PERMIT : OSWP 2023-39046

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

PIN # 4762 - 31 - 9154

APPLICANT/OWNER: Adams Homes APPLICANT ADDRESS: 3401 Saint Vardell Lane Suite B Charlotte NC 28217.

SITE ADDRESS: 213 Mountain Island Drive. PHONE: 704-558-4257 ALT. PHONE –

SITE DIRECTIONS: Ostwalt Ferry to Jetton Lake Drive. SAP CONTROLLED: ☐ YES ☒ NO

SUBDIVISION: North Lake SECTION: 53 LOT # 49. LOT AREA: .56AC DESIGN FLOW: 360 L.T.A.R.(Initial): .30 L.T.A.R (Repair): .30

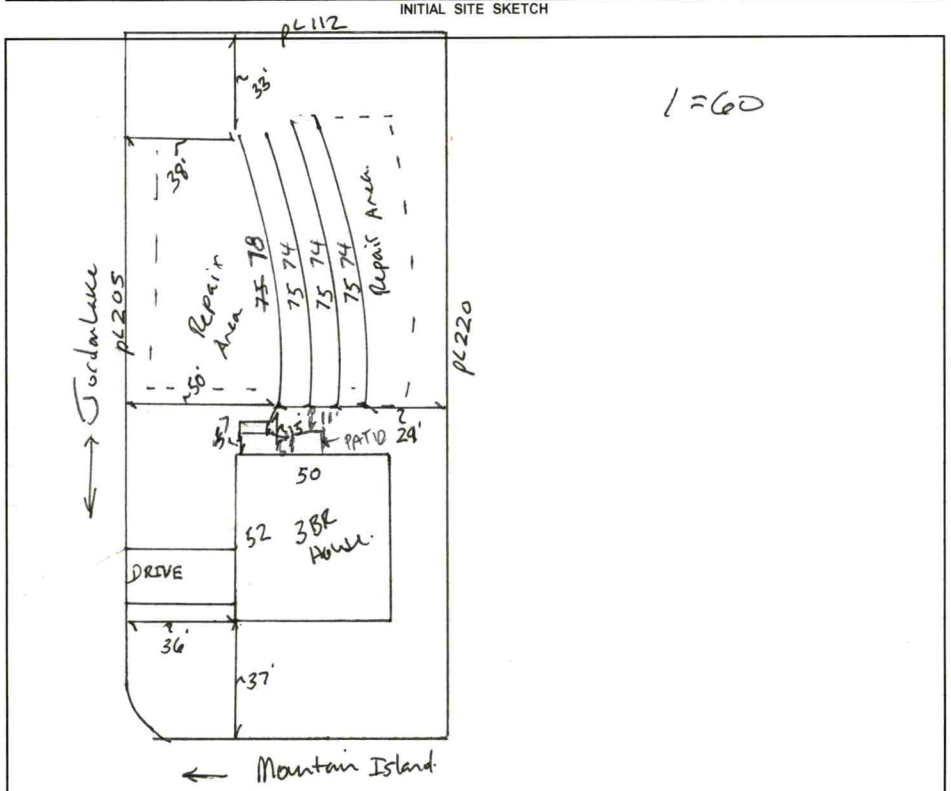
Septic Tank	1000	(gal)	STB 760	Date	2-8-2024	☒ New System	☐ Repair	☐ Expansion	System Type: I II (III) IV V VI	☒ Residence	No. Bedrooms 3
Pump Tank	–	(gal)	PT –	Date	–	System Description: Gravity - 25% Reduction.				☐ Business	No. Persons 6
Pump Make	–	Model	–	Serial #	–	Repair System Description: LPP-50% Reduction				☐ Other	No. Employees
# Nitrification Fields	1	# Lines	4	Linear Ft	300	Maintenance Agreement Required:	☐ YES	☒ NO		☒ Slab	☐ Crawl Space
Trench Width	36in	*Max. Trench Depth(Initial)	30in	*Max. Trench Depth(Repair)	30in	Gravel Depth –	☒ GRAVITY	☐ PRESSURE		☐ Basement w/plumbing	☐ Basement w/o plumbing

* Measured on the downhill side of the trench Effluent Standard: ☒ DSE ☐ HSE ☐ TS-I ☐ TS-II ☐ RCW ☐ NSF/ANSI 40 Usable Depth to LC (Initial): 48+ Usable Depth to LC (Repair): 48+ *Limiting Condition*

Water Supply: ☐ Private ☒ Public ☐ Community

Comments / Conditions: Install on the contour of the land Utilize Serial distribution. Do not Drive, park, pave, grade or bury utilities in Drainfield Area.

INITIAL SITE SKETCH



1=60

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.

INSTALLED
AS
SHOWN
- INSTALLED AT 24"
ON HIGHSIDE

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: Date: Installed by: PATRIOT SEPTIC

IMPROVEMENT PERMIT by: Benjamin A Boles Date: 2/6/2024 OPERATION PERMIT by: Benjamin C. Whitt Date: 4-2-2024

AUTHORIZATION TO CONSTRUCT by: Benjamin A Boles Date: 2/6/2024 Existing System Inspected by: Date:

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? _____	

PERMIT SNAPSHOT REPORT OSWP-2023-39046 FOR IREDELL COUNTY

Permit Type	Environmental Health OSWP	**Project:**		**App Date:**	10/15/2023
Work Class:	EH Septic Permit	**District:**	Iredell County	**Exp Date:**	NOT AVAILABLE
Status:	On Hold	**Square Feet:**	0.00	**Completed:**	10/16/2023
Valuation:	$0.00	**Assigned To:**	Botkins, Ben	**Approval Expire Date:**	

Description: Northlake IP AC - See internal notes 11/14 Sent email, no # listed. Michelle sent email site ready GM 11/15 Site ready GM 11/21 talked with site manager waiting to hear back about how they want to proceed
Lot: 49
Septic

Parcel:	4762319154.000 Main	**Address:**	213 Mountain Island Dr Main Statesville, NC 28677	**Zone:**	RA(Residential Agricultural District)

Applicant/Authorized Agent
MAJ Permits Inc
3340 ROBINWOOD RD Suite 100538 3340 Robinwood Road, Suite 100538
Gastonia, NC 28054
Business: (704) 621-4664

Applicant/Authorized Agent
Adams Homes AEC, LLC
Michelle Chavarria
3401 Saint Vardell Lane, Suite B
Charlotte, NC 28217

Property Owner
Adams Homes
3401-B St. Vardell Street
Charlotte, NC 28217

Applicant/Authorized Agent
Adams Homes
3401-B St. Vardell Street
Charlotte, NC 28217

Project Contact
ADAMS HOMES AEC LLC
3401 SAINT VARDELL LN
SUITE B
CHARLOTTE, NC 28217
Business: (704) 558-4527

Soil Scientist
Lori Thorn
216 S. Swing Rd, Suite 1
Greensboro, NC 27409

Permit Custom Fields

How is your site plan being submitted	Custom Site Plan	Septic Application/Permit Type	Authorization to Construct, Improvement Permit	Does the site contain any jurisdictional wetlands	No
Non-domestic Sewage Generated	No	Other Public Agency	No	All proposed structure dimensions	49 X 51-10
What are the proposed structures	New Single-Family Residence - Stick Built	Type of New Single-Family Residence	Stick Built	Maximum Number of Bedrooms	3
If other Addition/Structure, please explain		Number of Occupants	6	Foundation Type	Concrete Slab Foundation
Water Supply	Municipal Water	Desired Septic System Type	Conventional (most common)	Lot Acreage	0.56
Front Setback	35	Back Setback	35	Left Setback	25
Right Setback	15	Zoning Permit Issued Date	Nov 14 2023 12:00AM	Zoning Permit Expiration Date	May 12 2024 12:00AM
Is the structure or development in the floodplain	No	Is the property in a local historic district?	No	Is the property located downtown?	No
Additional Unique Setbacks Apply	No	Watershed	NOT IN A WATERSHED		

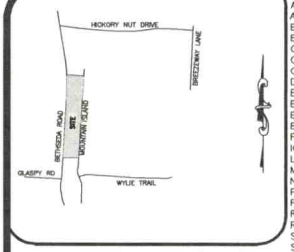
Attachment File Name	Added On	Added By	Attachment Group	Notes
Signature_Adams_Homes_10/15/2023.jpg	10/15/2023 18:29	Homes, Adams		Uploaded via CSS
Iredell- Northlake 49 - AUTHORIZATION_v1.pdf	10/16/2023 9:24	Nebel, Barbara	Available Online	Authorize to Act as Agent
NL L49 PP_v1.pdf	10/30/2023 8:18	Bailey, Julia	Available Online	Site Plan

PERMIT SNAPSHOT REPORT (OSWP-2023-39046)

Note	Created By	Date and Time Created
1. APPLICATION ON OSWP-2022-4906 WAS FOR A DIFFERENT OWNER. FEES ARE NOW EXPIRED. ADAMS HOMES WANTS MOVE FORWARD WITH EVALUATION per Cynthia with MAJ - 10/27/23 rh 11/14 No # listed, sent email GM	Ronda Hart	10/27/2023 12:37
2. 11/14 Michelle responded to email site ready GM 11/15 Site ready GM	Grace McLeod	11/14/2023 17:15

Invoice No.	Fee	Fee Amount	Amount Paid
INV-00022666	New Gravity System	$500.00	$500.00
	Iredell Zoning Permit Fee	$75.00	$75.00
	Iredell Zoning Tech Fee	$2.25	$2.25
	Total for Invoice INV-00022666	$577.25	$577.25
	Grand Total for Permit	**$577.25**	**$577.25**

Workflow Step / Action Name	Action Type	Start Date	End Date
Application Completeness Check v.1		10/16/2023 9:24	10/16/2023 9:24
Confirm application complete v.1	Generic Action		10/16/2023 9:24
Fees v.1		11/07/2023 8:38	11/14/2023 12:25
Issue Invoice v.1	Generic Action		11/07/2023 8:38
Fees Paid v.1	Generic Action		11/14/2023 12:25
Zoning Review v.1		10/30/2023 8:41	11/14/2023 12:25
~~Floodplain Admin Overview v.1~~	Task		10/30/2023 8:40
Iredell County Zoning Approval v.1	Task	10/30/2023 8:41	11/14/2023 12:25
Issue Invoice v.1	Generic Action		10/30/2023 8:41
Fees Paid v.1	Generic Action		11/14/2023 12:25
Lot Readiness Verification v.1			
OSWP Septic Preliminary Site Visit v.1	Inspection		
OSWP Site Evaluation v.1	Inspection		
Issue Improvement Permit v.1			
Issue Invoice v.1	Generic Action		
Fees Paid v.1	Generic Action		
Issue Permit v.1	Generic Action		
Permit Completion Process v.1			
Authorization to Construct Permit v.1	Create Sub Permit		
Issue Authorization to Construct v.1	Generic Action		
Environment Health Inspections v.1			
Operation Permit Inspection v.1	Inspection		
OSWP Alarm Checked v.1	Inspection		
OSWP Drain Lines Checked v.1	Inspection		
OSWP Electrical Checked v.1	Inspection		
OSWP Floats Checked v.1	Inspection		
OSWP Maintenance Contract v.1	Inspection		
OSWP Pressure Head Checked v.1	Inspection		
OSWP Pressure Manifold Checked v.1	Inspection		
OSWP Tanks Checked v.1	Inspection		



VICINITY MAP (NTS)

LEGEND
AC=AIR CONDITIONING UNIT
AG=ABOVE GROUND
BOC=BACK OF CURB
BG=BELOW GROUND
CATV=CABLE TV
CB=CATCH BASIN
CVRD=COVERED
DW=CONC DRIVEWAY
EB=ELECTRIC BOX
EM=ELECTRIC METER
EOP=EDGE OF PAVEMENT
EP=ELECTRIC PEDESTAL
FH=FIRE HYDRANT
ICV=IRRIGATION CONTROL VALVE
LP=LIGHT POLE
MTR=METER
N/F=NOW OR FORMERLY
PO=PORCH
PP=POWER POLE
RCP=REINFORCED CONC PIPE
R/W=RIGHT OF WAY
SCO=CLEANOUT
SW=SIDEWALK
TP=TELEPHONE PEDESTAL
TF=TRANSFORMER
WM=WATER METER
WV=WATER VALVE
EIP=EXISTING IRON PIPE
IRON PIPE SET
EIR=EXISTING IRON ROD

NORTH CAROLINA PROFESSIONAL SEAL L-4817 LAND SURVEYOR NICHOLAS M. FRENCH

THIS EXHIBIT MAP IS OF AN EXISTING PARCEL OR PARCELS OF LAND AND DOES NOT CREATE A NEW STREET OR CHANGE AN EXISTING STREET.

NICHOLAS M. FRENCH, PLS L-4817 DATE

THIS MAP IS ONLY INTENDED FOR THE PARTIES AND PURPOSES SHOWN. THIS MAP IS NOT FOR RECORDATION. NO TITLE REPORT PROVIDED.

THIS MAP MAY NOT BE A CERTIFIED SURVEY AND HAS NOT BEEN REVIEWED BY A LOCAL GOVERNMENT AGENCY FOR COMPLIANCE WITH ANY APPLICABLE LAND DEVELOPMENT REGULATIONS AND HAS NOT BEEN REVIEWED FOR COMPLIANCE WITH RECORDING REQUIREMENTS FOR PLATS.

GENERAL NOTES:

1. ALL DISTANCES ARE HORIZONTAL GROUND DISTANCES IN U.S. SURVEY FEET UNLESS OTHERWISE NOTED.

2. AREAS SHOWN HEREON WERE COMPUTED USING THE COORDINATE METHOD.

3. LINES NOT SURVEYED ARE SHOWN AS DASHED LINES FROM INFORMATION REFERENCED ON THE FACE OF THIS SURVEY.

4. PROPERTY MAY BE SUBJECT TO ANY/ALL EASEMENTS AND RESTRICTIONS OF RECORD. THIS SURVEY IS A CORRECT REPRESENTATION OF THE LAND PLATTED AND OR DEEDED AND HAS BEEN PREPARED WITHOUT THE BENEFIT OF A TITLE REPORT. A NORTH CAROLINA LICENSED ATTORNEY-AT-LAW SHOULD BE CONSULTED REGARDING CORRECT OWNERSHIP, WIDTH AND LOCATION OF EASEMENTS, AND OTHER TITLE QUESTIONS REVEALED BY TITLE EXAMINATION.

5. DRIVEWAY IMPERVIOUS CALCULATION SHOWN HEREON CALCULATED TO THE FRONT PROPERTY LINE/RIGHT-OF-WAY.

6. THIS PARCEL IS NOT LOCATED WITHIN A FLOOD HAZARD ZONE AS INDICATED ON CID NO. 370313 PANEL 4762, SUFFIX J IREDELL COUNTY WITH AN EFFECTIVE DATE OF 03/18/2008.

SETBACKS PER PB 77 PG 126-127

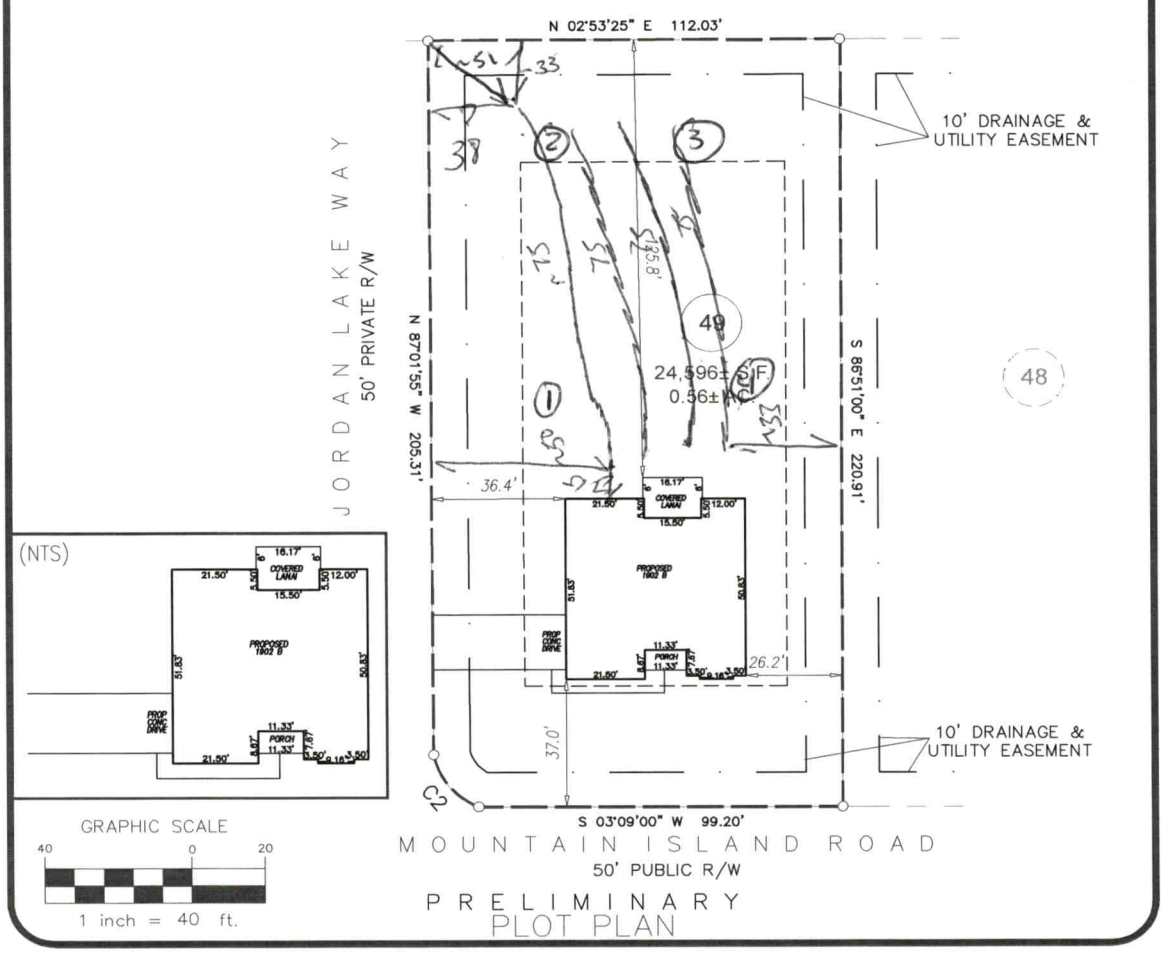
FRONT	35'
SIDE	15'
REAR	35'

IMPERVIOUS AREA

HOUSE	2,600 SQ.FT.
DRIVE TO R/W	581 SQ.FT.
WALK	148 SQ.FT.
TOTAL	3,329 SQ.FT.

CURVE	ARC LENGTH	RADIUS	DELTA ANGLE	CHORD BEARING	CHORD LENGTH
C2	20.24'	20.00'	57°59'32"	S 54°15'16" W	19.39'

PLAT NORTH
PB 77, PG 126-127



GRAPHIC SCALE
40 0 20
1 inch = 40 ft.

PRELIMINARY PLOT PLAN

PROJECT:	NORTHLAKE PHASE 3
DRAWN BY:	SEER
SURVEYED BY:	N/A
SCALE:	1"=40'
FIELD WORK:	N/A
DWG DATE:	10-06-2023

FOR
ADAMS HOMES
213 MOUNTAIN ISLAND DRIVE
LOT 49 NORTHLAKE SUBDIVISION PHASE 3
CHAMBERSBURG TWP., IREDELL CO., NC
P.B. 77, PG. 126-127

ECLS GLOBAL, INC
U.S. VETERAN-OWNED
19 N McKINLEY ST
COATS, NC 27521
910.897.3257 ECLSGLOBALINC.COM
910.897.2329 (FAX) CO#C-4175

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

PROPERTY ID #: 4762517154
COUNTY: Durham

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

OWNER: Adams DATE EVALUATED:
ADDRESS:
PROPOSED FACILITY: 3BR PROPOSED DESIGN FLOW (.0400): PROPERTY SIZE: .56
LOCATION OF SITE: 213 Mustang Blvd Durham PROPERTY RECORDED: Y/N
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

PROFILE #	.0502 LANDSCAPE POSITION/ SLOPE %	HORIZON DEPTH (IN.)	SOIL MORPHOLOGY .0503 STRUCTURE/ TEXTURE	SOIL MORPHOLOGY .0503 CONSISTENCE/ MINERALOGY	OTHER PROFILE FACTORS .0504 SOIL WETNESS/ COLOR	.0505 SOIL DEPTH	.0506 SAPRO CLASS	.0507 RESTR HORIZ	.0509 PROFILE CLASS & LTAR*	.0502(d) SLOPE CORRECTION
1	5%	0-13	SCL WSBK	SS SP FR SEQ	2-54 FR 4/6	54	N/A	NA	PS .30	PS
		13-36	C SBK	SS SP FR						
		36-54	CL WSBK	SS SP FR						
2	5%	0-10	SCL WSBK	SS SP FR SEQ	2-54 FR 4/6	62	NA	NA	PS .30	
		10-34	C SBK	SS SP FR						
		34-62	CL WSBK	SS SP FR						
3	5%	0-8	SCL WSBK	SS SP FR SEQ	2-54 FR 4/6 PAT LITHO 6/6 36+	62	NA		PS .30	
		8-33	C SBK	SS SP FR						
		33-62	CL WSBK	SS SP FR						
4	5%	0-14	FILL			62	NA	Rema 14 Mott	PC .30	
		14-40	C SBK	SS SP FI SEQ						
		40-62	CL WSBK	SS SP						

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.0508)	300	200
System Type(s)	III	III
Site LTAR	.30	.30
Maximum Trench Depth	36	36

SITE CLASSIFICATION (.0509): PS
EVALUATED BY: Butkin
OTHER(S) PRESENT:

Comments:

LEGEND

LANDSCAPE POSITION	SOIL GROUP	SOIL TEXTURE	CONVENTIONAL LTAR (gpd/ft²)	SAPROLITE LTAR (gpd/ft²)	LPP LTAR (gpd/ft²)	MINERALOGY/ CONSISTENCE		STRUCTURE
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		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).

