BLDR-2024-49590

ICHD - ENVIRONMENTAL HEALTH DIVISION

Statesville Office (704) 878-5305 Mooresville Office (704) 660-3625 PERMIT # AP 328198

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

PIN # 4762 -- 50 -- 0318

APPLICANT/OWNER: Arrow Development LLC APPLICANT ADDRESS: 1519 Mecklenburg Hwy #512 Mt. Moore NC 28123

SITE ADDRESS: 145 High Rock CT Statesville NC 28677 PHONE: 919-344-0121 ALT. PHONE

SITE DIRECTIONS: Ostwalt Amity to Bethesda Mecklenburg Dr.

SAP CONTROLLED: ☐ YES ☒ NO

SUBDIVISION: Moorelake SECTION: 3 LOT # 3 LOT AREA: 100 * 235 .54 DESIGN FLOW: 360 L.T.A.R.: .30

Septic Tank	1000	(gal)	STB	Infiltrator	Date		☒ New System	☐ Repair	☐ Expansion	System Type: I II III IV V VI	
Pump Tank		(gal)	PT		Date		System Description:	Gravity - 25% Reduction.			
Pump Make			Model		Serial #		Repair System Description:	LPP - Horizontal PPBPS			
# Nitrification Fields	1		# Lines	5	Linear Ft	300	Maintenance Agreement Required:	☐ YES	☒ NO		
Trench Width	36 in		Trench Bottom Depth(Low side)	32 in.	Gravel Depth	~		☒ GRAVITY	☐ PRESSURE		

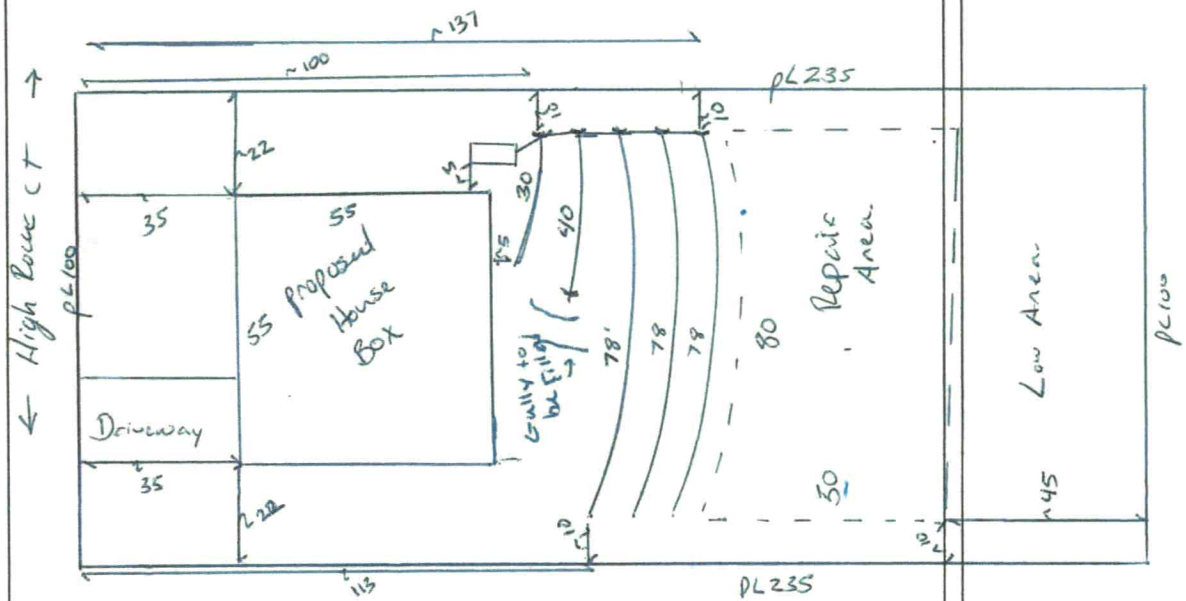
☒ Residence	No. Bedrooms	3	Water Supply
☐ Business	No. Persons	6	☐ Private
☐ Other	No. Employees		☒ Public
☐ Slab	☒ Crawl Space		☐ Community
☐ Basement w/plumbing			☐ Basement w/o plumbing

Comments / Conditions: Install Septic Drainlines on the contour of the Land to utilize Serial Distribution. Do not Exceed max depth of 36 inches. Do not pave grade, pave, or bury utilities in Drainfield Areas.

* Lot must be Deeded and Recorded prior to A/C *
RECORDED IN DEED BOOK 78 PAGE 117

INITIAL SITE SKETCH

* No Foundation Drain along Rear or Septic tank side of House



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.

See attached as built

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.*

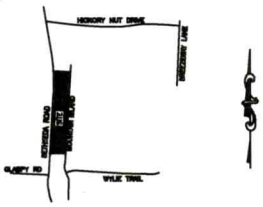
Owner / Applicant Signature: Date: 9-8-22 Installed by: Patriot Septic

IMPROVEMENT PERMIT by: Benjamin A Boe Date: 9-7-2022 OPERATION PERMIT by: D. Meberg Date: 1/5/24

AUTHORIZATION TO CONSTRUCT by: Burnett C. White Date: 5-13-2024 Existing System Inspected by: Date:

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

As Built Sketch



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

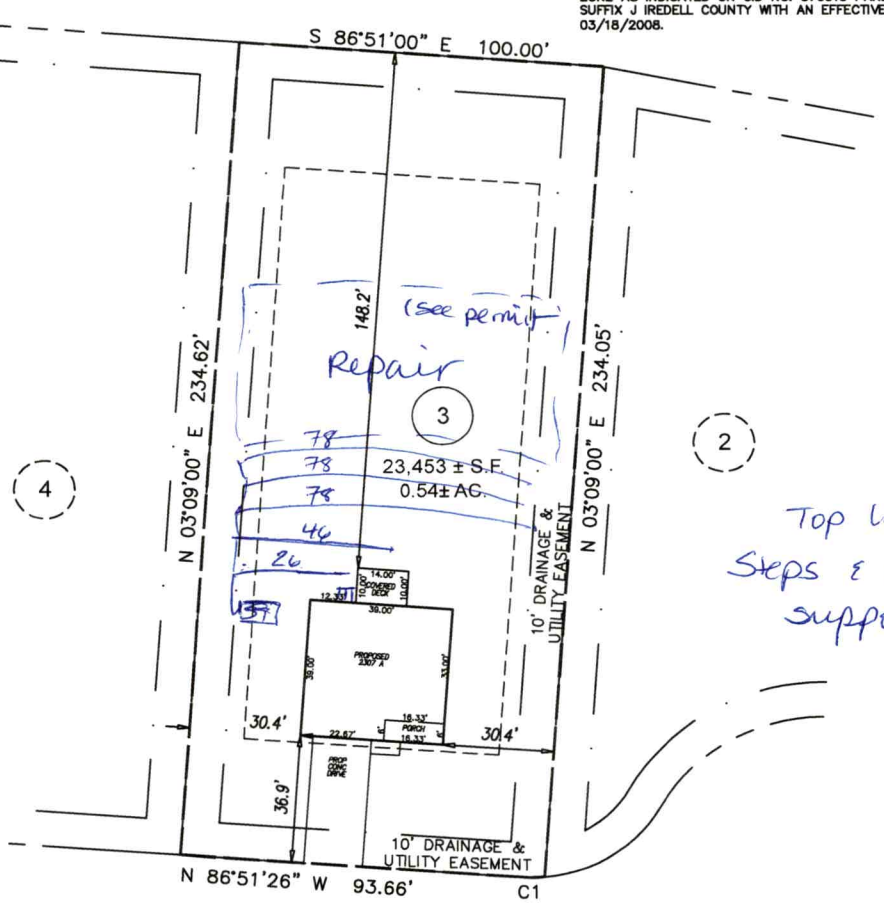
FRONT	35'
SIDE	15'
REAR	35'

IMPERVIOUS AREA

HOUSE	1,661 SQ.FT.
DRIVE TO R/W	593 SQ.FT.
WALK	32 SQ.FT.
TOTAL	2,286 SQ.FT.

PALM NORTH PB 76 PG 117

N/F
PEARL LAND
INVESTMENT, LLC
D.B. 2664 PG. 1529



GRAPHIC SCALE
40 0 20
1 inch = 40 ft.

HIGH ROCK COURT
50' PUBLIC R/W

CURVE	RADIUS	ARC LENGTH	CHORD LENGTH	CHORD BEARING
C1	40.00'	6.35'	6.34'	N 88°35'08" E

PRELIMINARY
PLOT PLAN

PROJECT:	NORTHLAKE PHASE 3
DRAWN BY:	AMW
SURVEYED BY:	N/A
SCALE:	1"=40'
FIELD WORK:	N/A
DWG DATE:	02-23-2024

FOR
ADAMS HOMES
145 HIGH ROCK COURT
LOT 3 NORTHLAKE SUBDIVISION PHASE 3
CHAMBERSBURG TWP., IREDELL CO., NC
P.B. 78, PG. 117

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

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Septic Tank	1000 (gal)	STB	Date	☒ 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: LP - Horizontal PPBPS				☐ Other	No. Employees
# Nitrification Fields	1 # Lines 5		Linear Ft 300	Maintenance Agreement Required:	☐ YES	☒ NO		☐ Slab	☒ Crawl Space
Trench Width	36in Trench Bottom Depth(Low side) 32 in.		Gravel Depth ~	☒ GRAVITY	☐ PRESSURE			☐ Basement w/plumbing	☐ Basement w/o plumbing

Water Supply: ☐ Private ☒ Public ☐ Community

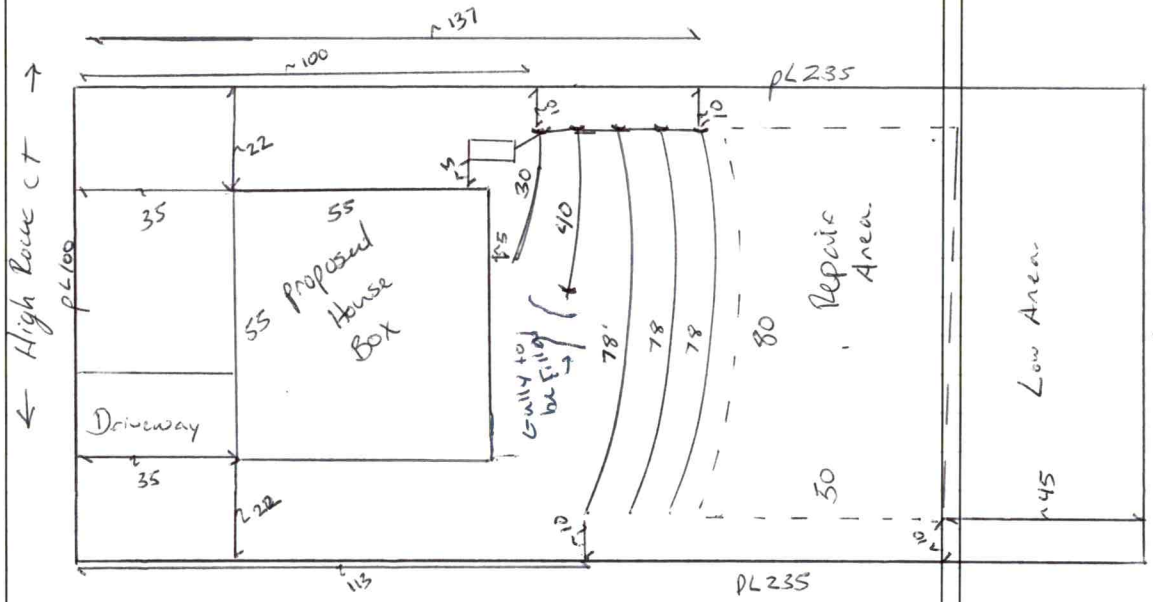
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RECORDED IN DEED BOOK 78 PAGE 117

INITIAL SITE SKETCH

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1=40



AS BUILT SKETCH

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Owner / Applicant Signature: [signature] Date: 9-8-22 Installed by:

IMPROVEMENT PERMIT by: [signature] Date: 9-7-2022 OPERATION PERMIT by: Date:

AUTHORIZATION TO CONSTRUCT by: Burkett C. White Date: 5-13-2024 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 1
PROPERTY ID #:
COUNTY: Iredell

Northlake Lot 3

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

OWNER: Arrow Development
ADDRESS: 1519 Mecklenburg Hwy 512.
PROPOSED FACILITY: SFR PROPOSED DESIGN FLOW (.1949):
LOCATION OF SITE: 145 Thistle Gate Ct

APPLICATION DATE 4-22
DATE EVALUATED: 5-6-22.
PROPERTY SIZE:
PROPERTY RECORDED: NO

WATER SUPPLY: ☐ Private ☐ Public ☐ Well ☐ Spring ☐ Other
EVALUATION METHOD: ☐ Auger Boring ☐ Pit ☐ Cut
TYPE OF WASTEWATER: ☐ Sewage ☐ Industrial Process ☐ Mixed

PROFILE #	.1940 LANDSCAPE POSITION/ SLOPE %	HORIZON DEPTH (IN.)	SOIL MORPHOLOGY (.1941) .1941 STRUCTURE/ TEXTURE	SOIL MORPHOLOGY (.1941) .1941 CONSISTENCY/ MINERALOGY	OTHER PROFILE FACTORS .1942 SOIL WETNESS/ COLOR	OTHER PROFILE FACTORS .1943 SOIL DEPTH	OTHER PROFILE FACTORS .1956 SAPRO CLASS	OTHER PROFILE FACTORS .1944 RESTR HORIZ	PROFILE CLASS & LTAR
1	Foot slope 10%	0-30	C ~~ABw~~	~~SS~~ SP FR ~~SBK~~					
		30-50	CL ABw	~~SS~~ SP FR ~~SBK~~	10YR 6/2 e35	50	–	Hydr Tabl Reduc	PS .25 Shallow
2	Foot slope 10%	0-8	Fill	–					
		8-14	SCL	SS SP FR			–	Hydr Tabl Reduc	PS .25 Shallow
		14-38	C	SS SP FR	10YR 6/2 e36	51			
		38-51	CL	US VP FR					
3	Side slope	~~0-30~~	~~C~~						
		0-26	C-SBK	SS SP FR ~~SBK~~					
		26-53	CL-SBK	SS SP FR	2.5YR 4/6	53	–	–	PS .30
4	Side slope (15-20%)	0-14	SCL SBK	SS SP FR ~~SBK~~					
		14-34	C SBK	SS SP FR					
		34-53	CL SBK	SS SP FR	2.5YR 4/6	53	–	–	PS .30

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	300.	240.
System Type(s)	~~III~~	~~IV~~
Site LTAR	.30	.25

OTHER FACTORS (.1946):
SITE CLASSIFICATION (.1948):
EVALUATED BY: BCM
OTHER(S) PRESENT:

COMMENTS:

Updated February 2014

LEGEND

use the following standard abbreviations

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

MOIST	WET
VFR (Very Friable)	NS (Non-sticky)
FR (Friable)	SS (Slightly Sticky)
FI (Firm)	S (Sticky)
VFI (Very Firm v. Very Sticky)	VS (Very Sticky)
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.

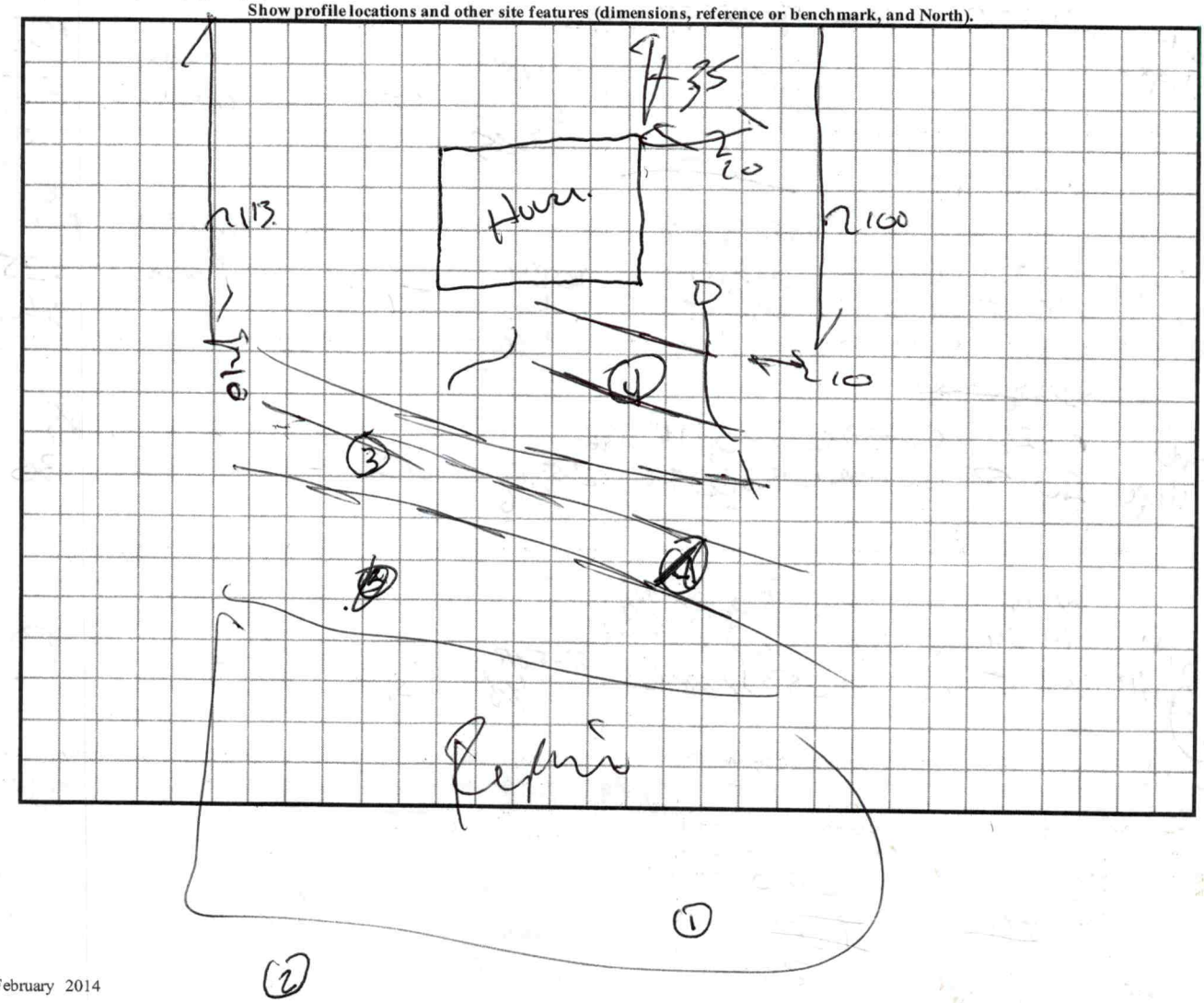
NOTES

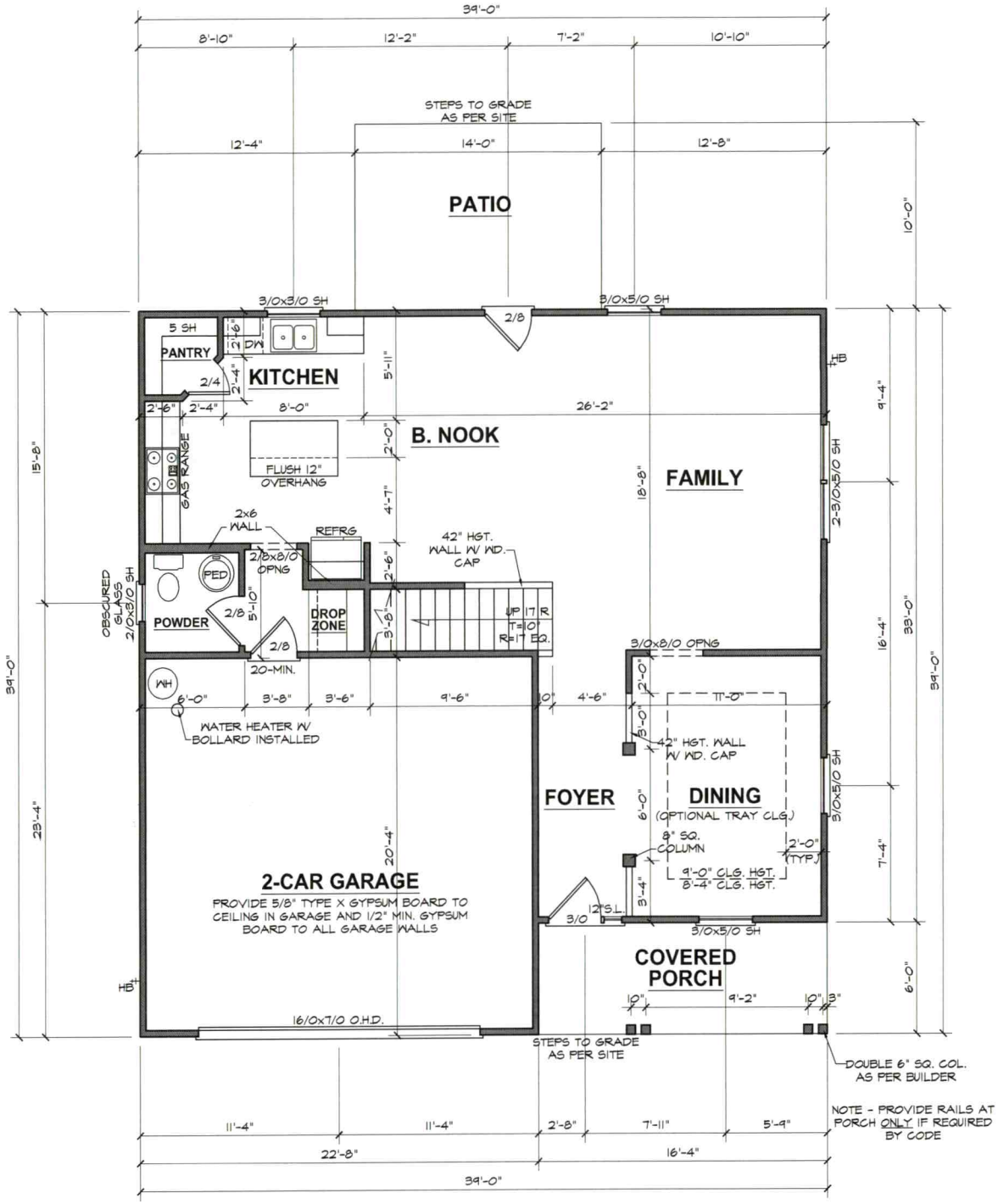
HORIZON DEPTH	In inches below natural soil surface
DEPTH OF FILL	In inches from land surface
RESTRICTIVE HORIZON	Thickness and depth from land surface
SAPROLITE	S(suitable) or U(unsuitable)
SOIL WETNESS	Inches from land surface to free water or inches from land surface to soil colors with chroma 2 or 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).





NOTE: STONE VENEER NOT DIMENSIONED ON PLANS, SEE ELEVATIONS FOR LOCATIONS

FIRST FLOOR PLAN

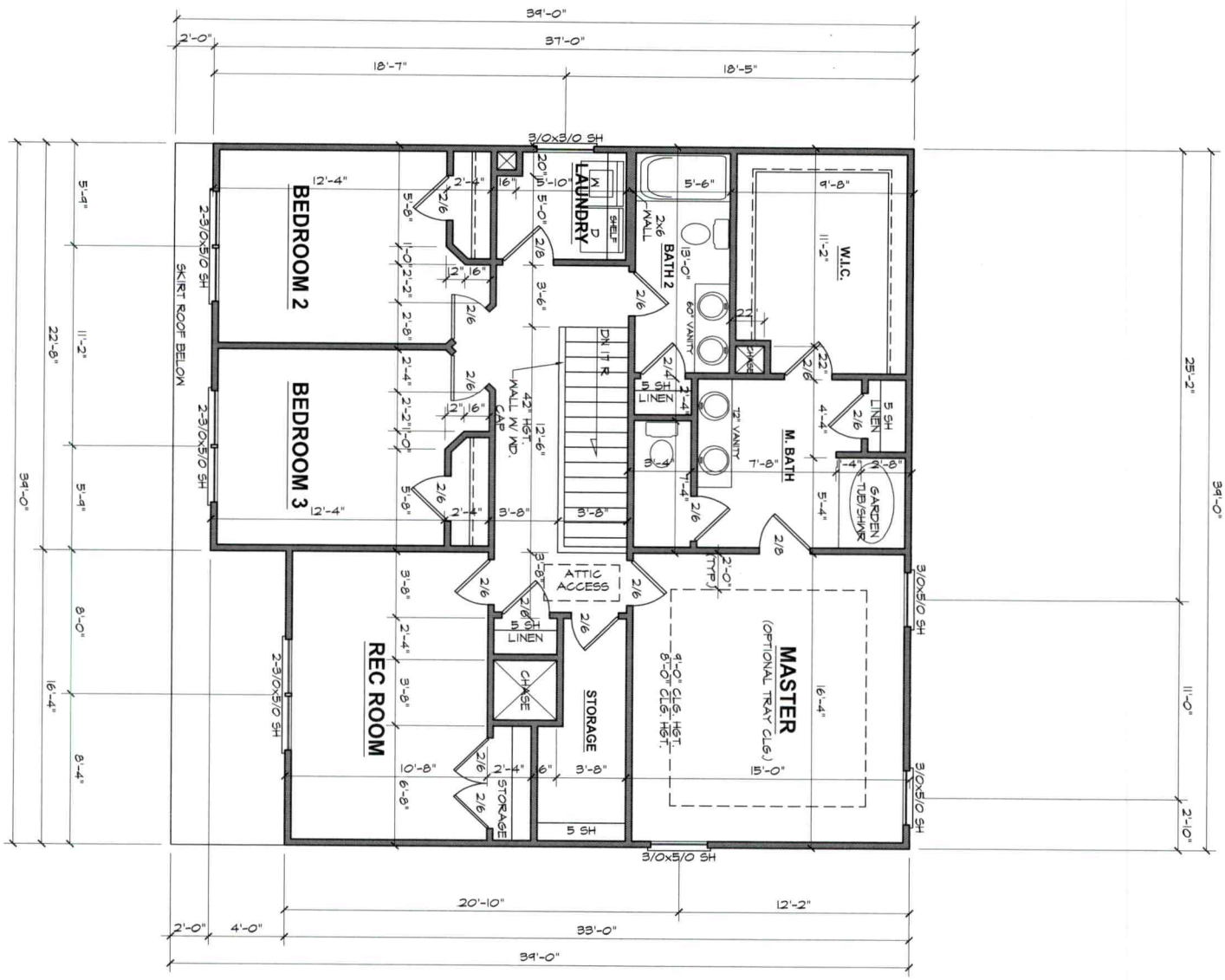
9'-0" (NOM.) CLG. HGT. U.N.O. SCALE: 1/4"=1'-0"
SET WINDOWS @ 7'-0" U.N.O.

ADAMS HOMES AEC, LLC

2307 "A" FE (L) NR003

DATE DRAWN	2/29/2024
PROJECT	6536
REVISIONS	

SHEET 3



SECOND FLOOR PLAN

8'-0" (NOM.) CLG. HGT. U.N.O.
SET WINDOWS @ 7'-2" U.N.O.

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

2307 "A" FE (L) NR003

DATE DRAWN 2/29/2024
PROJECT 6536
REVISIONS

SHEET 4

ADAMS HOMES AEC, LLC