BLDR-2023-30274

ICHD - ENVIRONMENTAL HEALTH DIVISION

Statesville Office (704) 878-5305 Mooresville Office (704) 660-3625 PERMIT # AP2022-7718

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

PIN # 4757 -- 18 -- 7440

APPLICANT/OWNER: John Eckman APPLICANT ADDRESS: 269 Reeves Rd, Statesville, NC 28625

SITE ADDRESS: 303 Reeves Rd, Statesville, NC 28625 PHONE: (704) 876-1160 ALT. PHONE -

SITE DIRECTIONS: I-77N to exit 54, R on US-21N, L Jennings Rd, R Reeves Rd SAP CONTROLLED: ☐ YES ☑ NO

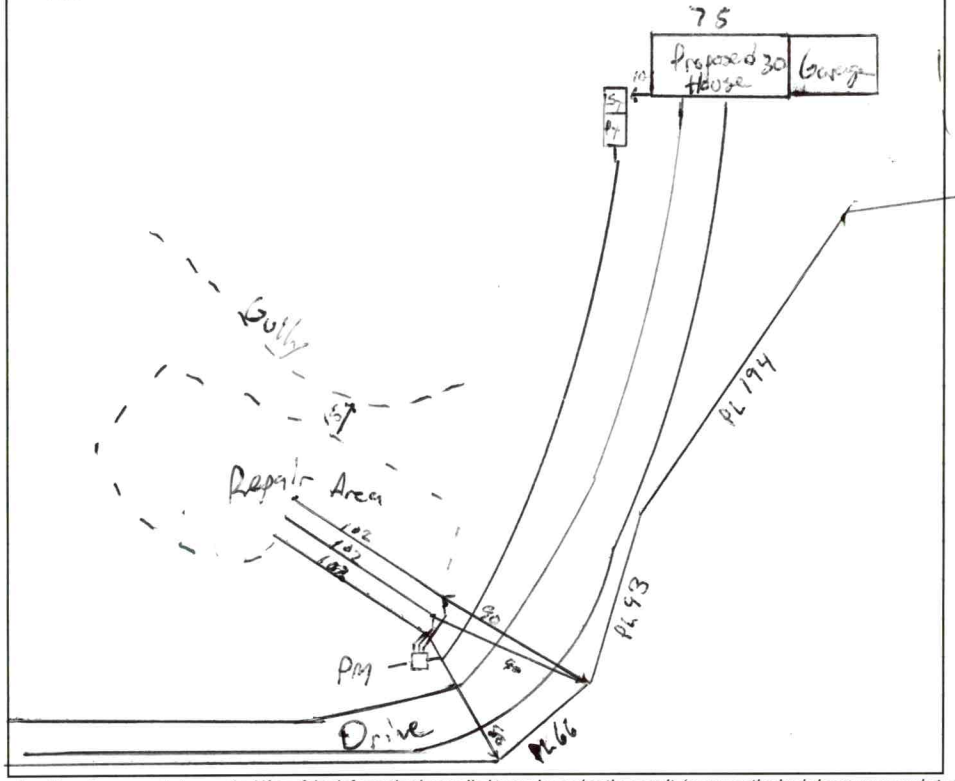
SUBDIVISION: Mark A Welborn SECTION: - LOT # 2 LOT AREA: 8.918 AC DESIGN FLOW: 360 L.T.A.R.: .3

Septic Tank	1000	(gal)	STB	760	Date	3-27-2024	☑ New System	☐ Repair	☐ Expansion	System Type: I II III IV V VI	☑ Residence	No. Bedrooms	3	Water Supply			
Pump Tank	1000	(gal)	PT	363	Date	3-3-2024	System Description:	25% Reduction - PM			☐ Business	No. Persons	6	☐ Private			
Pump Make			Model		Serial #		Repair System Description:	25% Reduction - PM			☐ Other	No. Employees		☑ Public			
# Nitrification Fields	1	# Lines	3		Linear Ft	300	Maintenance Agreement Required:	☐ YES	☑ NO		☑ Slab	☐ Crawl Space		☐ Community			
Trench Width	36in	Trench Bottom Depth(~~Low side~~)			36in max	Gravel Depth	N/A	☐ GRAVITY	☑ PRESSURE		☐ Basement w/plumbing			☐ Basement w/o plumbing			

Comments / Conditions: Install on contour with gift on center. Do not drive, park or construct on septic area. Use top three lines as initial and bottom three as repair.

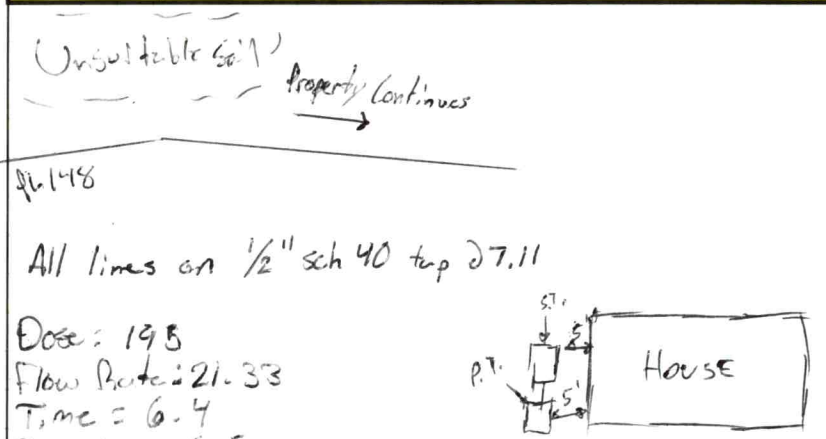
INITIAL SITE SKETCH

1=100



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.



Checked
Lines - 5/22/24 MW
PM - 5/22/24 MW
FLOATS MANIFOLD
PRESSURE ALARM ELECTRICAL
SW 8/21/2024

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: Online Signature Date: Installed by: Piedmont Backhoe

IMPROVEMENT PERMIT by: Matt Wilk Date: 12/14/22 OPERATION PERMIT by: Sarah Williams Date: 8/21/2024

AUTHORIZATION TO CONSTRUCT by: Matt Wilk 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 1
PROPERTY ID #: 4757167440
COUNTY: Iredell

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

OWNER: John Eckman
ADDRESS: 269 Reeves Rd
PROPOSED FACILITY: SFR
PROPOSED DESIGN FLOW (.1949): 360
LOCATION OF SITE: 303 Reeves Rd
WATER SUPPLY: Private (Public) (Well) Spring Other
EVALUATION METHOD: Auger Boring (Pit) Cut
TYPE OF WASTEWATER: (Sewage) Industrial Process Mixed

APPLICATION DATE 10/24/22
DATE EVALUATED: 12/13/22
PROPERTY SIZE: >3
PROPERTY RECORDED: 8.918

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	LS 10%	0-36	C/SCBK	SS Sp fr SE	-	48	Sap inclusions throughout Profile	Mica	PS .3
		36-48	CL/SBK	SS Sp fr SE					
2	LS 12%	0-8	S;CL/Gr	SS Sp fr SE	-	52	Sap inclusions in CL	-	PS .3
		8-35	C/SBK	SS Sp fr SE					
		35-52	CL/SBK	SS Sp fr SE					
		52-55	SL SAP/M	ns np fr SE					
3	LS 12%	0-6	S;CL/Gr	↓	-	50	Sap inclusions in CL	-	PS .3
		6-30	C/SBK						
		30-50	CL/SBK						
4	LS 12%	0-6	S;CL/Gr	SS Sp fr SE	Brown Colorings in C	48	-	-	PS .275
		6-24	C/ABK	SS Sp fr SE					
		24-48	CL/SBK	SS Sp fr SE					

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	360	360
System Type(s)	25%	25%
Site LTAR	.3	.275

OTHER FACTORS (.1946):
SITE CLASSIFICATION (.1948): 15
EVALUATED BY: Matthew Wilkinson
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.

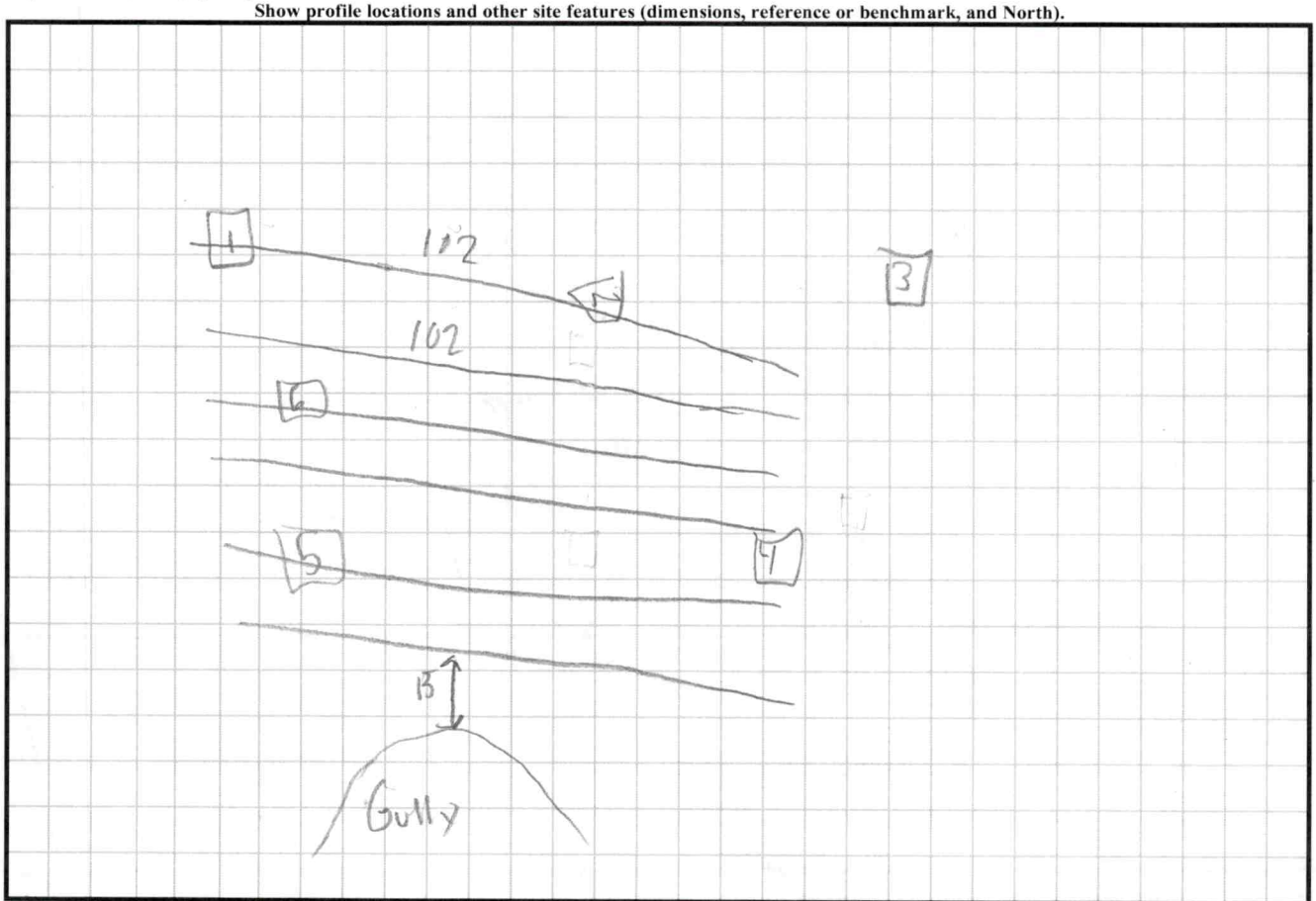
NOTES

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).



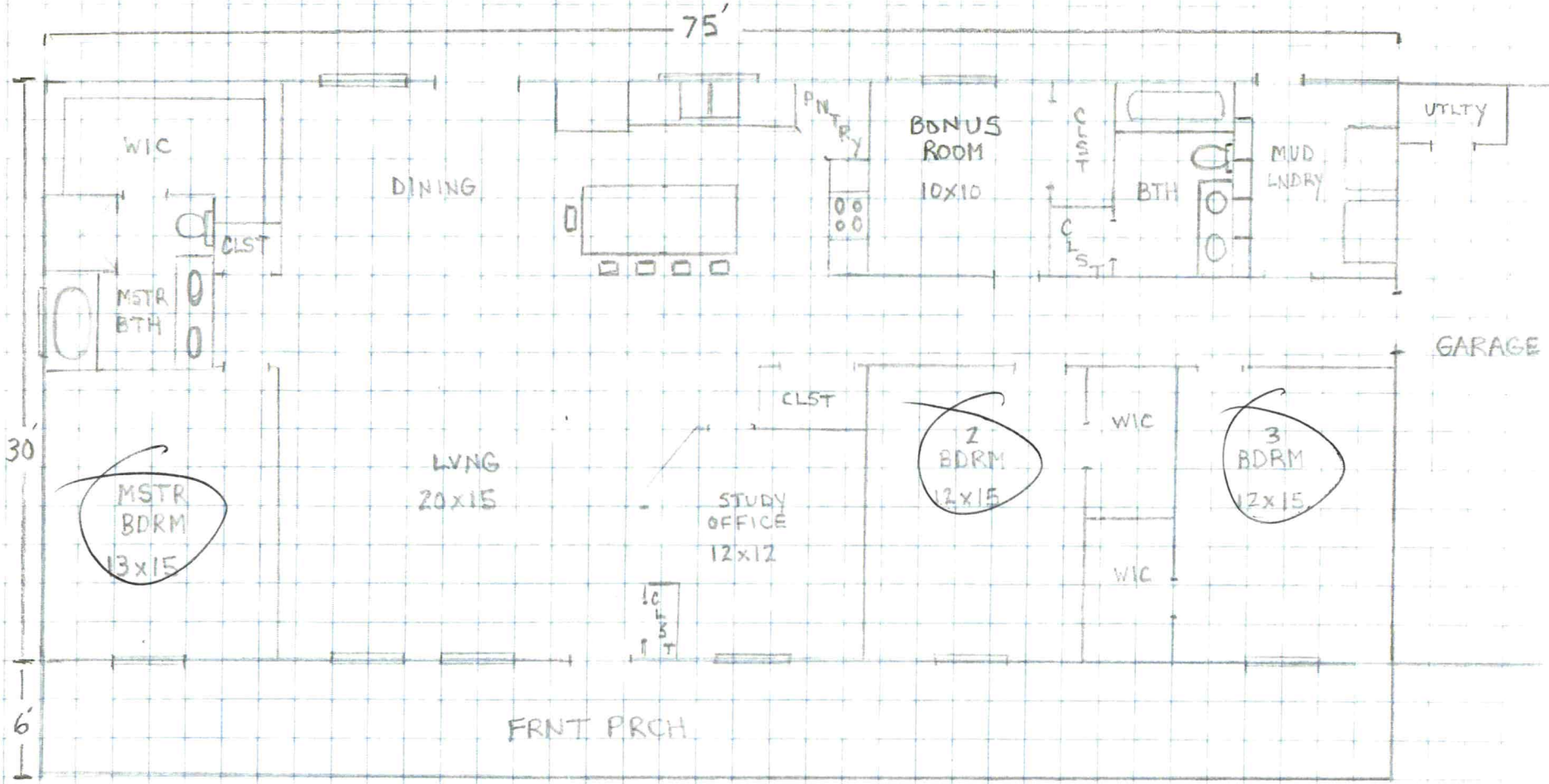
5 | SiCL / 0-7 Gr — Rock pocket
L / 7-23 SBK S p friSE at 40
CL / 23-48 SBK Sap inclusion at 42 — PS .275

6) 0-8 SS SP SE FR SiCL
8-27 SP SE FR C PS
27-48 SS SPSE FR CL 0,3
Michar manganese in CL

2,250 2'

75x30 HOUSE

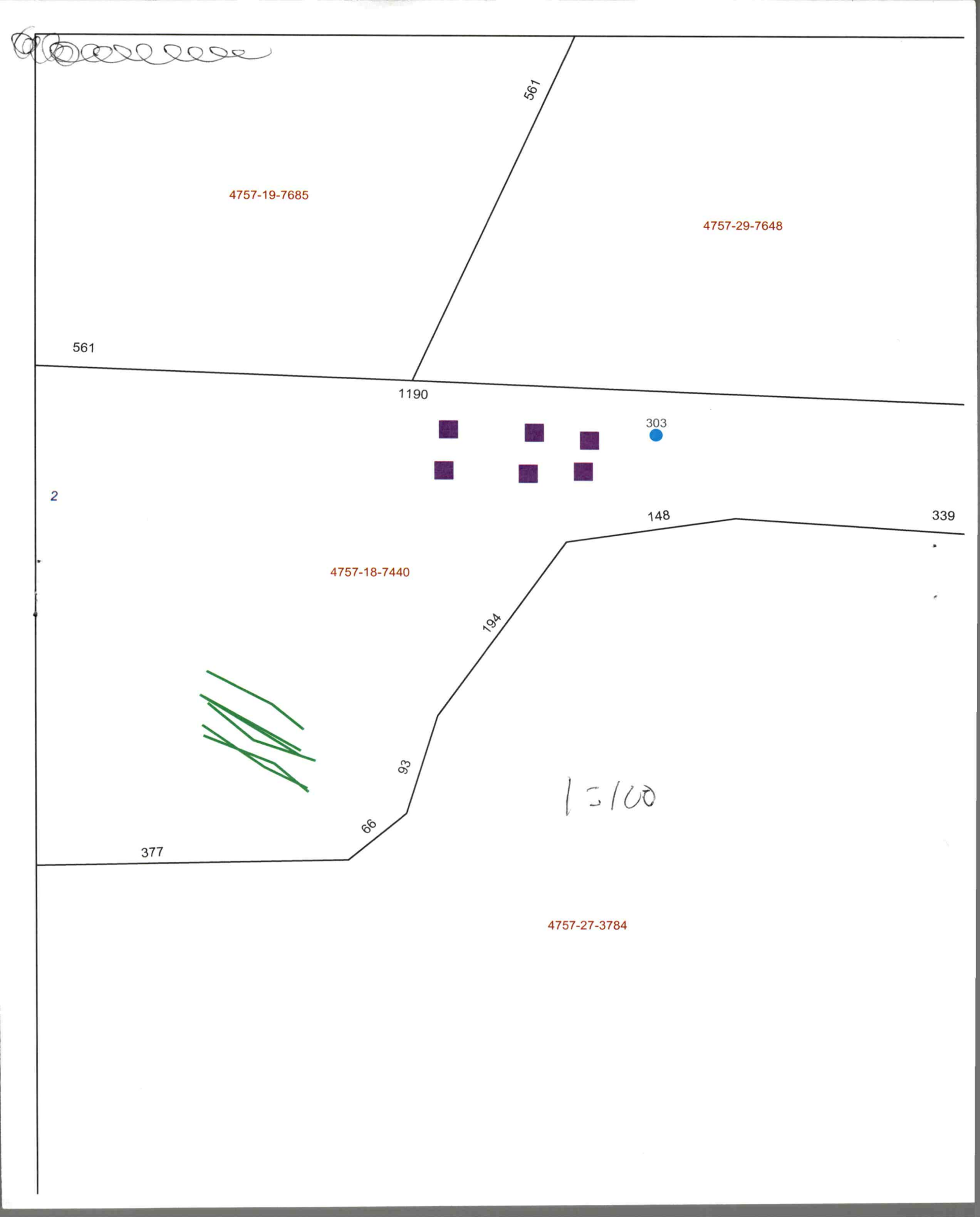
GARAGE 30x45



Acknowledgement Of
Plans Submittal ONLY!

Date 12/14/22

Date


561
4757-19-7685
4757-29-7648
561
1190
303
2
148
339
4757-18-7440
194
93
66
377
1:100
4757-27-3784