BCW MANF-2024-58525

ICHD - ENVIRONMENTAL HEALTH DIVISION

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

PERMIT : OSWP 2024-56533

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

PIN # 4705 -- 86 -- 1336

APPLICANT/OWNER: William R. May | APPLICANT ADDRESS: 3348 Jennings Rd Union Grove NC 28689

SITE ADDRESS: 153 Gemstone Dr. Statesville NC 28625 | PHONE: 7049024010 | ALT. PHONE

SITE DIRECTIONS: Leppard Farm Rd → R Stone Edge → R Gemstone | SAP CONTROLLED: ☐ YES ☒ NO

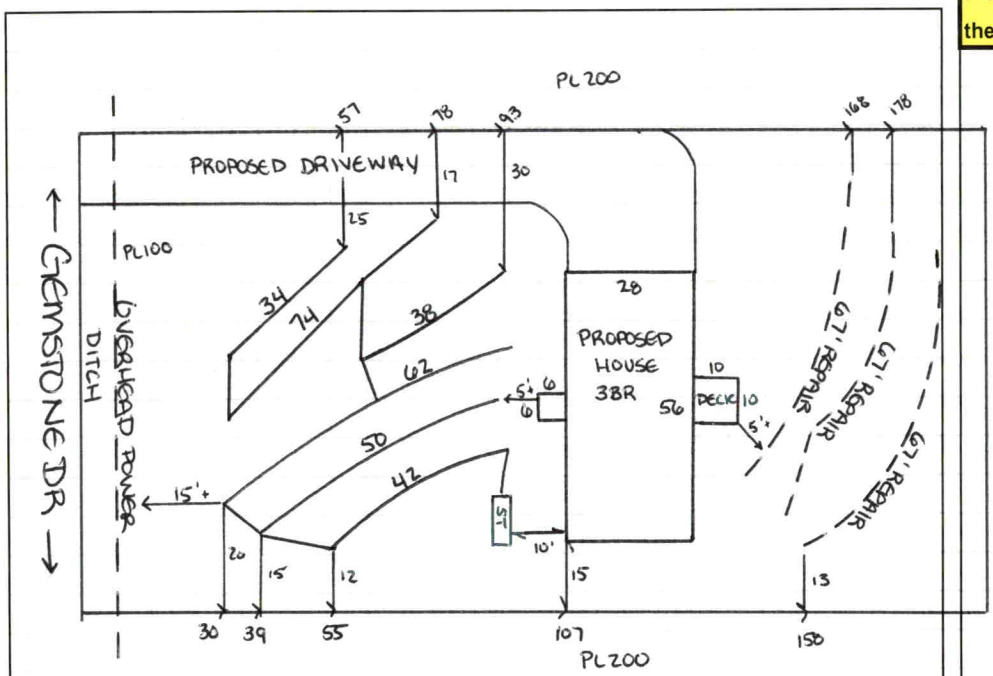
SUBDIVISION: Stone Edge | SECTION: — | LOT # 11 | LOT AREA: 0.459 | DESIGN FLOW: 360 | L.T.A.R.(Initial): 0.3 | L.T.A.R (Repair): 0.3

Septic Tank	1000 (gal)	STB 1012	Date 7/21/24	☒ New System ☐ Repair ☐ Expansion	System Type: I II III IV V VI	☒ Residence	No. Bedrooms	3	Water Supply
Pump Tank	(gal)	PT	Date	System Description:	Gravity 25% Reduction	☐ Business	No. Persons	6	☐ Private
Pump Make	Model		Serial #	Repair System Description:	PM VPP325	☐ Other	No. Employees	—	☒ Public
# Nitrification Fields	1 # Lines	6	Linear Ft 300'	Maintenance Agreement Required:	☐ YES ☒ NO	☐ Slab	☒ Crawl Space		☐ Community
Trench Width	36 *Max. Trench Depth(Initial)	33	*Max. Trench Depth(Repair) 33	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*

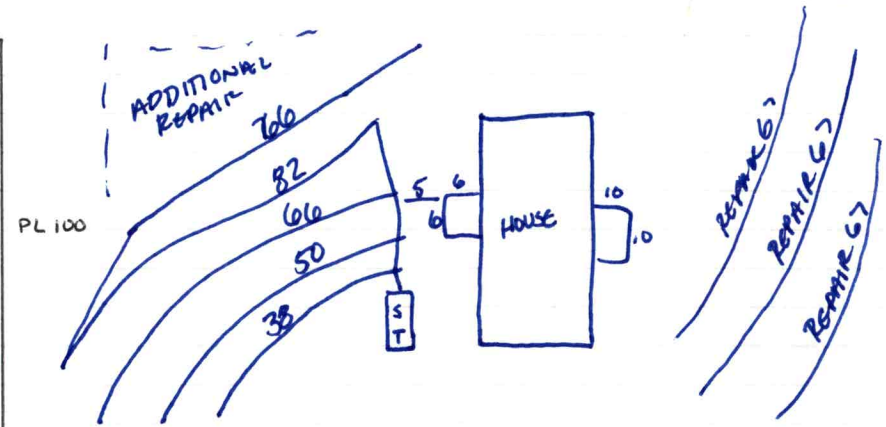
Comments / Conditions: Install on contour utilizing serial distribution. 6x6 deck only in front of home. Do not grade, pave, drive, park over septic. Keep 15' from power line.

INITIAL SITE SKETCH



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.



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.*

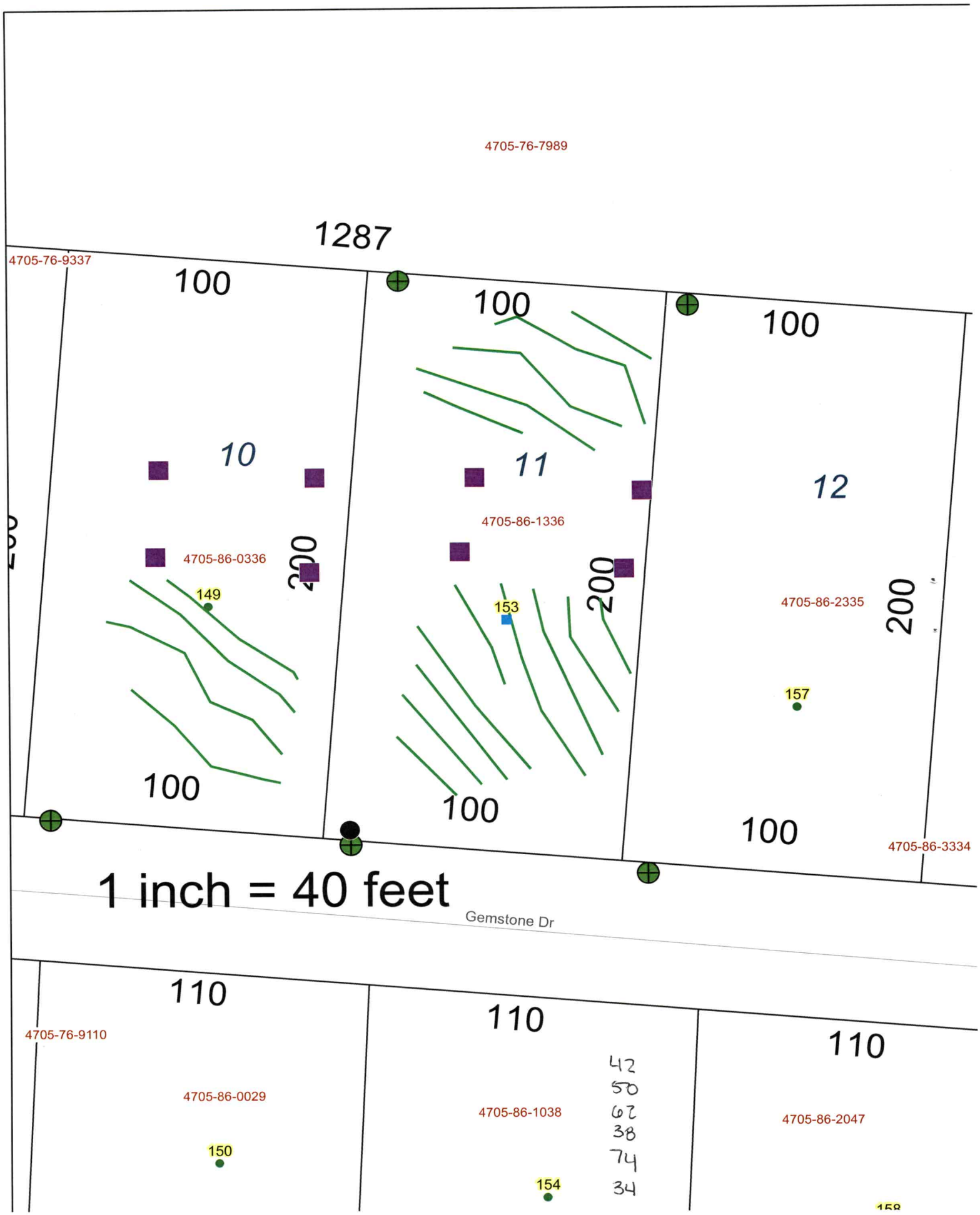
Owner / Applicant Signature: ONLINE | Date: — | Installed by: A1 Backhoe

IMPROVEMENT PERMIT by: Sarah Williams ✓ | Date: 7/23/2024 | OPERATION PERMIT by: Sarah Williams ✓ | Date: 10/23/2024

AUTHORIZATION TO CONSTRUCT by: Sarah Williams ✓ | Date: 7/23/2024 | 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? _____	


4705-76-7989
1287
4705-76-9337
100
100
100
10
11
12
4705-86-0336
4705-86-1336
4705-86-2335
200
200
200
149
153
157
100
100
100
4705-86-3334
1 inch = 40 feet
Gemstone Dr
110
110
110
4705-76-9110
4705-86-0029
4705-86-1038
4705-86-2047
150
154
42
50
62
38
74
34

PERMIT SNAPSHOT REPORT OSWP-2024-56533 FOR IREDELL COUNTY

Permit Type	Environmental Health OSWP	**Project:**		**App Date:**	06/27/2024
Work Class:	EH Septic Permit	**District:**	Iredell County	**Exp Date:**	NOT AVAILABLE
Status:	In Progress	**Square Feet:**	0.00	**Completed:**	NOT COMPLETED
Valuation:	$0.00	**Assigned To:**	Bracken, Sarah	**Approval Expire Date:**	
Description:	Septic Permit and Auth to construct				

Parcel: 4705861336.000 Main	**Address:** 153 Gemstone Dr Statesville, NC 28625 Main	**Zone:** RA(Residential Agricultural District)

Property Owner	Applicant/Authorized Agent	Applicant/Authorized Agent
1ST CHOICE HOUSING INC	CHRISTIE FOSTER - MAY	William R May
119 Beechnut Ln	Mobile: (336) 566-1118	3348 Jennings Road
Statesville, NC 28625		Union Grove, NC 28689
Business: (704) 682-3848		Mobile: (704) 902-4010

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	Double Wide Mobile Home
What are the proposed structures	New Single-Family Residence - Mobile Home	Type of New Single-Family Residence	Mobile Home	Maximum Number of Bedrooms	4
If other Addition/Structure, please explain		Number of Occupants	6	Foundation Type	Crawl Space Foundation
Residential/Business/Other	Residential	Water Supply	Other Public Water	Desired Septic System Type	Innovative
If other septic system type, please explain		Pump Make		# of Nitrification Fields	
Model		Serial #		System Description	
Repair System Description		Comments/Conditions		Permit type(s)	Authorization to Construct, Improvement Permit with Site Plan
Has this project been approved by TRC	No	Lot Acreage	0.459	Front Setback	35
Back Setback	35	Left Setback	15	Right Setback	15
Is the structure or development in the floodplain	No	Is the property in a local historic district?	No	Is the property located downtown?	No
Zoning Notes/Addendums	REQUIREMENTS FOR AL MULTI -SECTIONAL MOBILE HOMES Must meet requirement R9 of the LDC. Minimum size of main body is at least 22 feet by 40 feet; Must have standard residential shingles; Minimum of 3/12 roof pitch; Must have continuous masonry underpinning; Must have minimum roof eave and raker projections of 6 inches; Must have a 36 square foot deck or porch		at all front entrances; Exterior siding must consist of vinyl or aluminum lap siding, wood, or hardboard, comparable in composition, appearance and durability to residential siding; Must remove towing apparatus; Must face front property line and be no more than 20 degrees from parallel to the front property line. Original mobile home must be removed before		Certificate of Occupancy can be approved.

PERMIT SNAPSHOT REPORT (OSWP-2024-56533)

Additional Unique Setbacks Apply	No	Watershed	NOT IN A WATERSHED

Attachment File Name	Added On	Added By	Attachment Group	Notes
Signature_William_May_6/27/2024.jpg	06/27/2024 13:03	May, William		Uploaded via CSS
House Plan 153 Gemstone_v1.pdf	06/28/2024 7:56	May, William	Available Online	
153 GEMSTONE DR AUTHORIZI AN OWNER.pdf	07/02/2024 16:52	COMEAUX, DEBRA	Available Online	AUTHORIZE AN OWNER
153 GEMSTONE DR SITE PLAN 3_v1.pdf	07/03/2024 16:56	COMEAUX, DEBRA	Available Online	

Inspection Number	Status	Inspection Type	Request Date	Scheduled Start Date	Scheduled End Date	Actual Start Date	Actual End Date
2024-230291	Requested	OSWP Septic/Well Preliminary Site Visit	07/11/2024	07/12/2024 0:00	07/12/2024 0:00		

Inspectors: Hart, Ronda (Primary)

Checklist Item	Description	Passed	Comments
General Comments	Checklist item used to track general comments, not specific to any other checklist item	No	

Note	Created By	Date and Time Created
1. customer will call me Monday to confirm property corners and house box is marked.	Peter Mravetz	07/05/2024 16:07

Invoice No.	Fee	Fee Amount	Amount Paid
INV-00032901	Iredell Zoning Tech Fee	$2.25	$2.25
	New Gravity System	$500.00	$500.00
	Iredell Zoning Permit Fee	$75.00	$75.00
	Total for Invoice INV-00032901	$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		07/02/2024 16:51	07/02/2024 16:51
Confirm application complete v.1	Generic Action		07/02/2024 16:51
Zoning Review v.1		07/03/2024 9:05	07/05/2024 10:20
~~Floodplain Admin Overview v.1~~	Task		07/03/2024 9:05
Iredell County Zoning Approval v.1	Task	07/03/2024 9:05	07/05/2024 10:20
Issue Invoice v.1	Generic Action		07/03/2024 9:06
Fees Paid v.1	Generic Action		07/05/2024 8:11
Fees v.1		07/05/2024 8:11	07/05/2024 8:11
Fees Paid v.1	Generic Action		07/05/2024 8:11
Issue Invoice v.1	Generic Action		07/05/2024 8:11
Lot Readiness Verification v.1		07/11/2024 14:05	
OSWP Septic Preliminary Site Visit v.1	Inspection	07/11/2024 14:05	07/11/2024 14:05
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		

~~**Zoning Review v.1**~~

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

PROPERTY ID #: 4705-86-1336
COUNTY: Iredell

SOIL/SITE EVALUATION *for* ON-SITE WASTEWATER SYSTEM

(Complete all fields in full)

OWNER: William May DATE EVALUATED: 7/19/2024
ADDRESS: 3348 Jennings Rd Union Grove NC 28689
PROPOSED FACILITY: SFR PROPOSED DESIGN FLOW (.0400): 480 PROPERTY SIZE: 0.459
LOCATION OF SITE: 153 GEMSTONE Dr Statesville NC 28625 PROPERTY RECORDED: Y
WATER SUPPLY: (Public) Single Family Well Shared Well Spring Other — WATER SUPPLY SETBACK: 10'
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*	.0503 SLOPE CORRECTION
1	LS 5-7%	0-10	C COMPACT	—	few SAP/MICA IN CL	52		—	S 0.3	3
		10-35	C ABK	SS SP SE FR						
		35-52	CL ABK	↓						
2	LS 5-7%	0-9	C COMPACT	—	few SAP/MN IN CL	55		—	S 0.3	3
		9-34	C ABK	SS SP SE FR						
		34-55	CL WABK	↓						
3	LS 5-7%	0-33	C ABK	SS SP SE FR	few SAP/MN IN CL	52		—	S 0.3	3
		33-52	CL ABK	↓						
4	LS 5-7%	0-41	C SBK	SS SP SE FR	few SAP/MN IN CL	54		—	S 0.3	3
		41-54	CL SBK	↓						

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.0508)	400	267
System Type(s)	Gravity 25%	PM 50%
Site LTAR	0.3	0.3
Maximum Trench Depth	33	33

SITE CLASSIFICATION (.0509): S 0.3
EVALUATED BY: S. Williams
OTHER(S) PRESENT:

Comments:

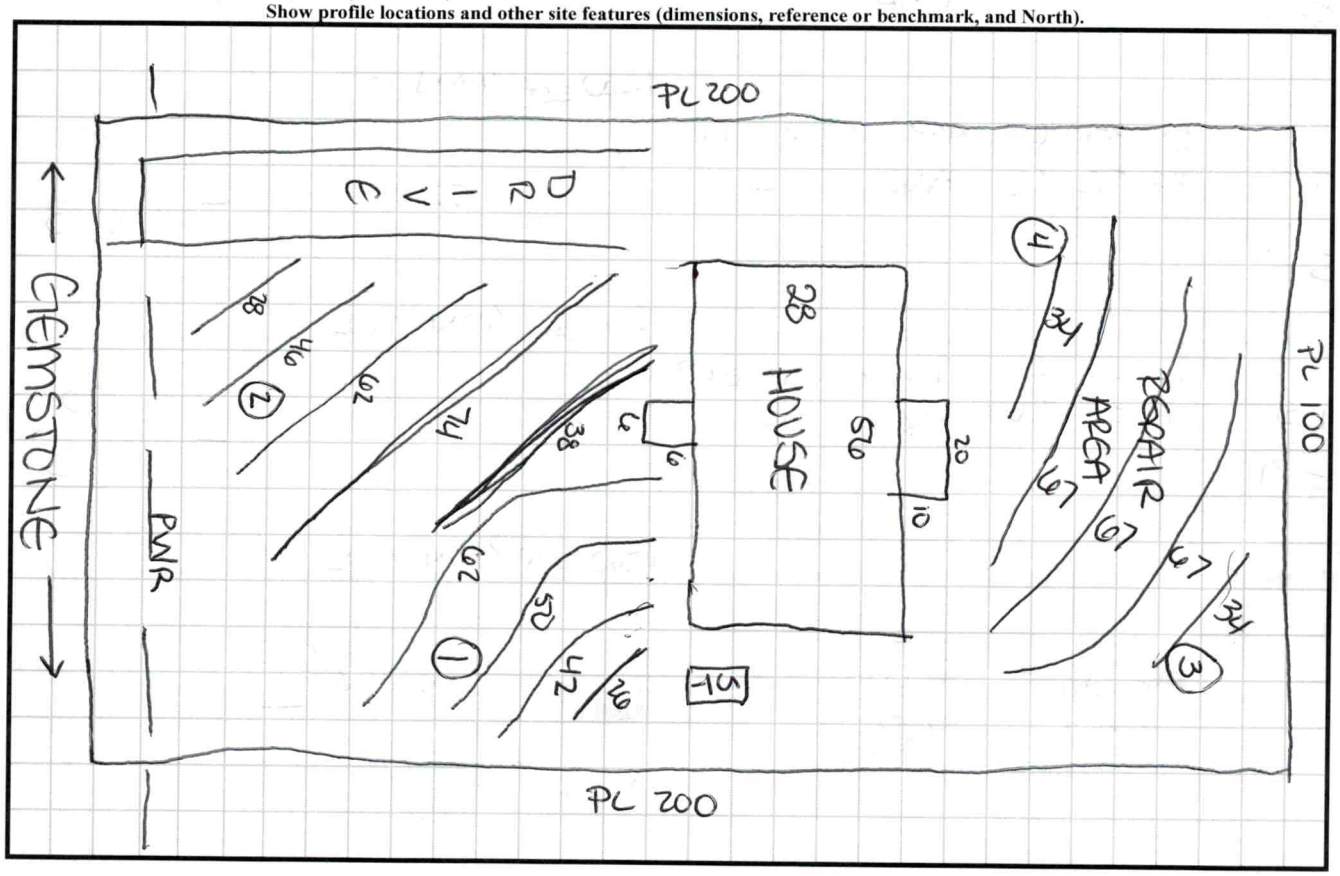
LEGEND

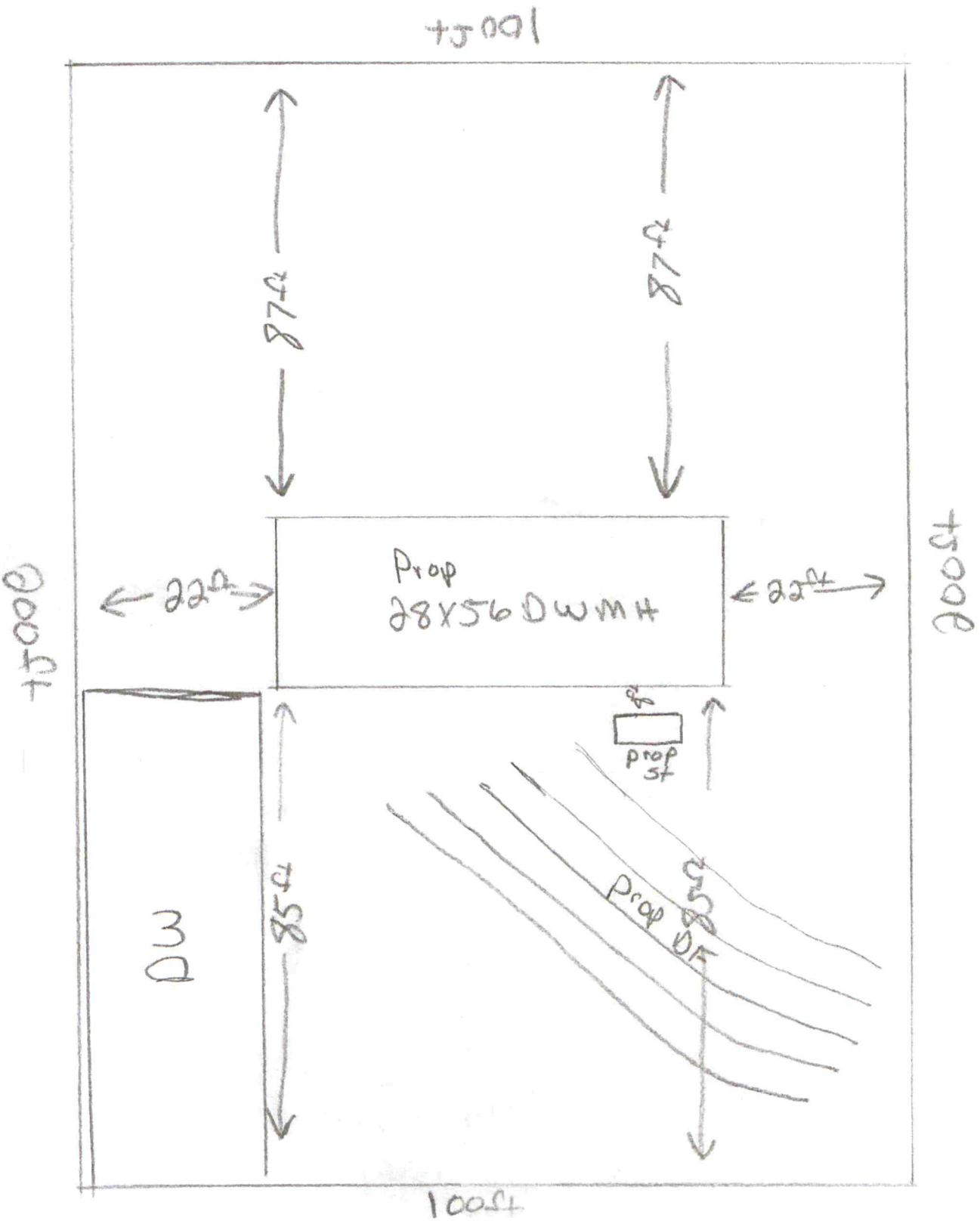
LANDSCAPE POSITION	SOIL GROUP	SOIL TEXTURE	CONVENTIONAL LTAR (gpd/ft²)	SAPROLITE LTAR (gpd/ft²)	LPP LTAR (gpd/ft²)	MINERALOGY/ CONSISTENCE		STRUCTURE
CC (Concave slope)	I	S (Sand)	0.8 - 1.2	0.6 - 0.8	0.4 -0.6	MOIST	WET	SG (Single grain)
CV (Convex Slope)		LS (Loamy sand)		0.5 -0.7		Lo (Loose)	NS (Non-sticky)	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).





153 Gemstone Lot # 11