ICHD - ENVIRONMENTAL HEALTH DIVISION

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

(BB) Manf-2023-21286

PERMIT # OSWIP-2023-40437

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

PIN # 4778--89--0380

APPLICANT/OWNER: JOSE FLORES | APPLICANT ADDRESS: 2027 WEXFORD WAY, STATESVILLE, N.C. 28625

SITE ADDRESS: 643 MOUNT BETHEL ROAD, HARMONY, N.C. 28634 | PHONE: 704-495-1642 | ALT. PHONE –

SITE DIRECTIONS: (N) ON 21, (R) ON MOUNT BETHEL, LOT ON (L) | SAP CONTROLLED: ☐ YES ☑ NO

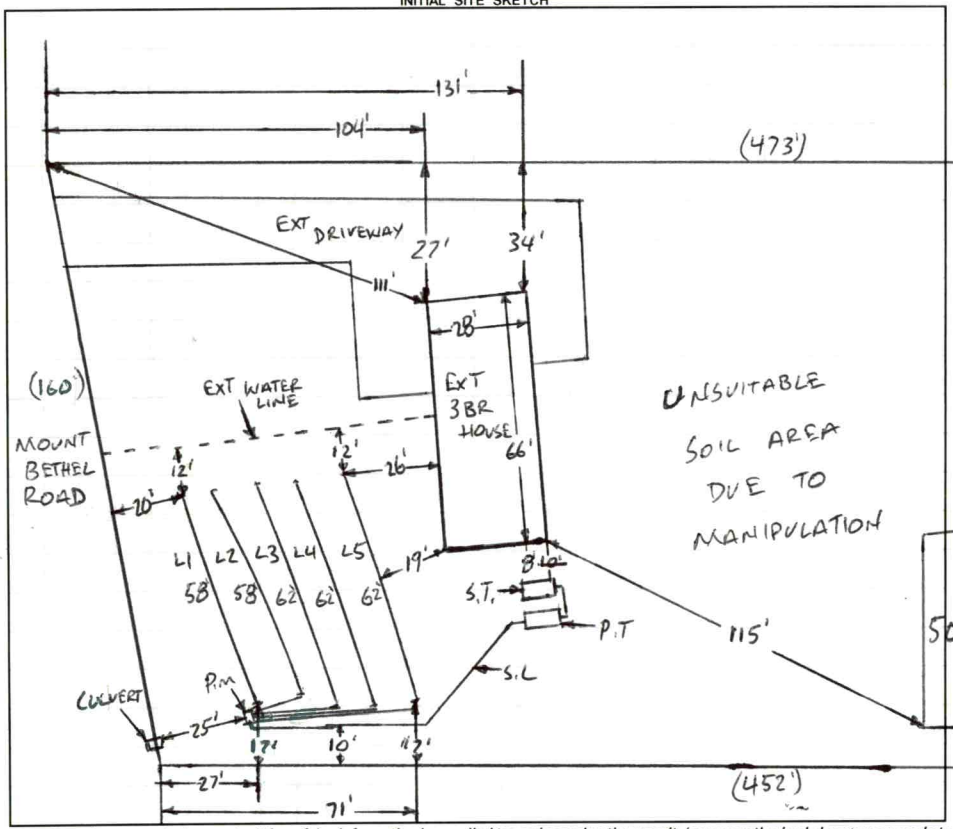
SUBDIVISION: THE BROWN + BROWN PROPERTY | SECTION: – | LOT # 1 | LOT AREA: 2.00 AC | DESIGN FLOW: 360 GPD | L.T.A.R.: 0.3 (0.25) REPAIR

Septic Tank	1000 (gal)	STB 2152	Date INFILTRATOR	☑ New System	☐ Repair	☐ Expansion	System Type: I II (III) IV V VI	☑ Residence	No. Bedrooms	3	Water Supply
Pump Tank	1000 (gal)	PT 2149	Date INFILTRATOR	System Description:	25% REDUCTION			☐ Business	No. Persons	6	☐ Private
Pump Make	~~Geotech~~	Model Zoeller	Serial #	Repair System Description:	25% REDUCTION - SHALLOW			☐ Other	No. Employees	–	☑ Public
# Nitrification Fields	1	# Lines 5	Linear Ft 302 FT	Maintenance Agreement Required:	☐ YES	☑ NO		☐ Slab	☑ Crawl Space		☐ Community
Trench Width	36 IN	Trench Bottom Depth(Low side)	30 IN	Gravel Depth –	☐ GRAVITY	☑ PRESSURE		☐ Basement w/plumbing			☐ Basement w/o plumbing

Comments / Conditions: INSTALL ON CONTOUR, INSTALL ON 9FT CENTERS, UTILIZE PRESSURE MANIFOLD TO ACHIEVE EQUAL DISTRIBUTION, DO NOT EXCEED A 36IN MAX TRENCH DEPTH DO NOT SHALLOW UP.

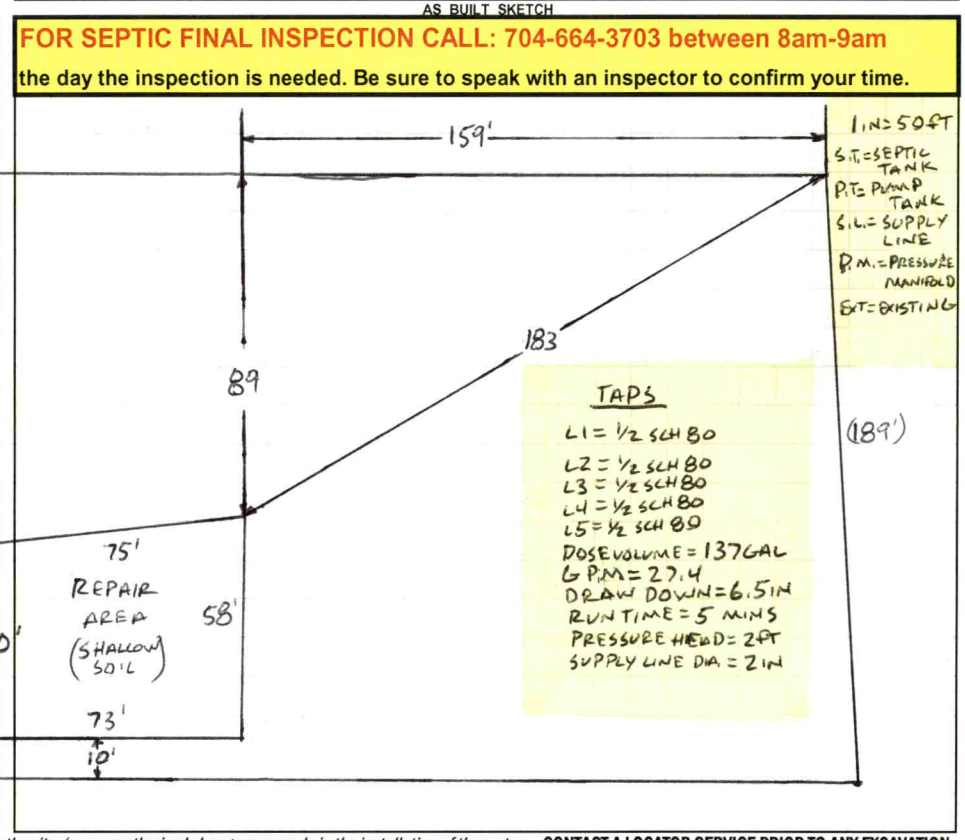
MAINTAIN 10FT FROM WATER LINE, DIVERT SURFACE WATER FROM CULVERT AWAY FROM SYSTEM, PROPERTY LINES MUST BE REMARKED PRIOR TO INSTALL

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 SIGNATURE | Date: – | Installed by: Craig Thompson

IMPROVEMENT PERMIT by: Bryant C. White | Date: 12-13-2023 | OPERATION PERMIT by: Craig Thompson | Date: 4/5/24

AUTHORIZATION TO CONSTRUCT by: Bryant C. White | Date: 12-13-2023 | 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	1-18-2024	BCW
Tanks Checked	1-18-2024	BCW
Pressure Manifold or Valve Box Checked		
Pressure Head Set		
Electrical Checked		
Floats Set		
Alarm Checked		
Maintenance Contract Needed? Y / N		
Comments: SYDNEY 1-19-2023 - SUPPLY LINE		

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 #: 4778-89-0380
COUNTY: IREDELL

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

OWNER: JOSE FLORES
APPLICATION DATE 11-2-2023
ADDRESS: 2027 WEXFORD WAY, STATESVILLE, N.C. 28625
DATE EVALUATED: 11-30-2023
PROPOSED FACILITY: 3BR
PROPOSED DESIGN FLOW (.1949): 360 GPD
PROPERTY SIZE: 2.00 AC
LOCATION OF SITE: 643 MOUNT BETHEL ROAD, HARMONY, N.C. 28634
PROPERTY RECORDED: YES
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 CONSISTENCE/ MINERALOGY	OTHER PROFILE FACTORS .1942 SOIL WETNESS/ COLOR	.1943 SOIL DEPTH	.1956 SAPRO CLASS	.1944 RESTR HORIZ	PROFILE CLASS & LTAR
1B	CUT LINEAR SIDE 4%	0-8	FILL, C	MIXED	SAP INC THRU OUT FEW fi	51"+	NA	NA	PS .3 BELOW 24" FEW FLOATERS
		8-31	C, ABK	FR, S, P, SEXP					
		31-51	CL, WABK	FR, SSSP, SEXP					
2B	CUT LINEAR SIDE 5%	0-20	C, ABK	FR, S, P, SEXP	SAP INC THRU OUT FEW fi	54"+	NA	NA	PS .3 BELOW 20" FEW FLOATERS
		20-54	CL WABK	FR, SS, SP, SEXP					
3B	NOSE 12%	0-10	SCL, SBK	FR, SS, SP, SEXP	SAP INC THRU OUT MANY FI-VFI BELOW 30"	49"+	NA	NA	PS .25 ABOVE 30"
		10-30	C, ABK	FR, SS, SP, SEXP					
		30-49	CL WABK	FR, SS, SP, SEXP					
4B	LINEAR SIDE 15%	0-8	SCL, SBK	FR, SS, SP, SEXP	SAP INC THRU OUT MANY FI-VFI BELOW 32"	45"	NA	ROCK 45"	PS .25 ABOVE 32"
		8-30	C, ABK	FR, S, P, SEXP					
		30-45	CL, WABK	FR, SS, SP, SEXP					
		45+	BHR	ROCK					

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	PS	PS
System Type(s)	25% REDUCTION	25% REDUCTION SHALLOW
Site LTAR	0.3	0.25

OTHER FACTORS (.1946): PS
SITE CLASSIFICATION (.1948): PS
EVALUATED BY: Bryant C. White
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)	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.

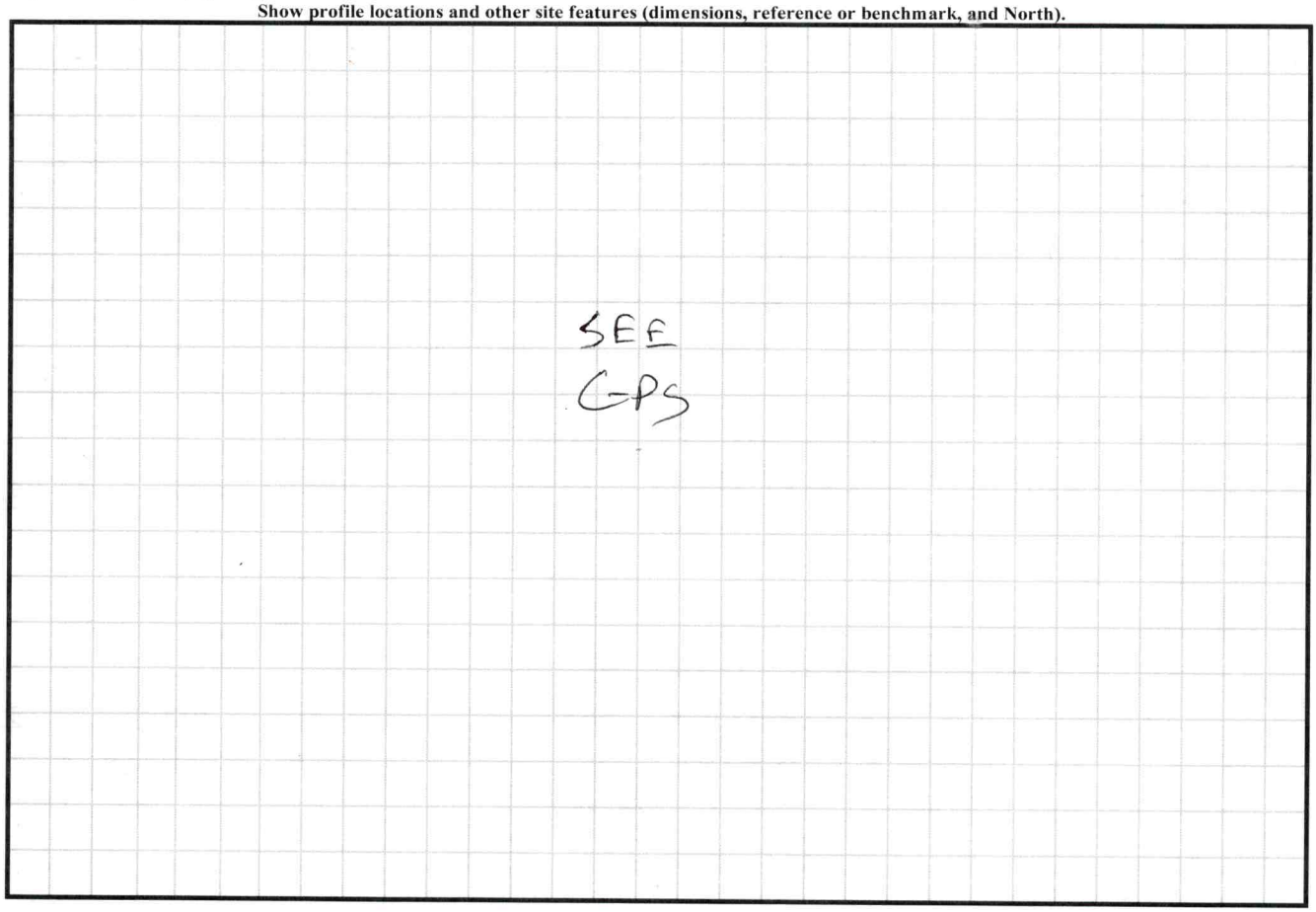
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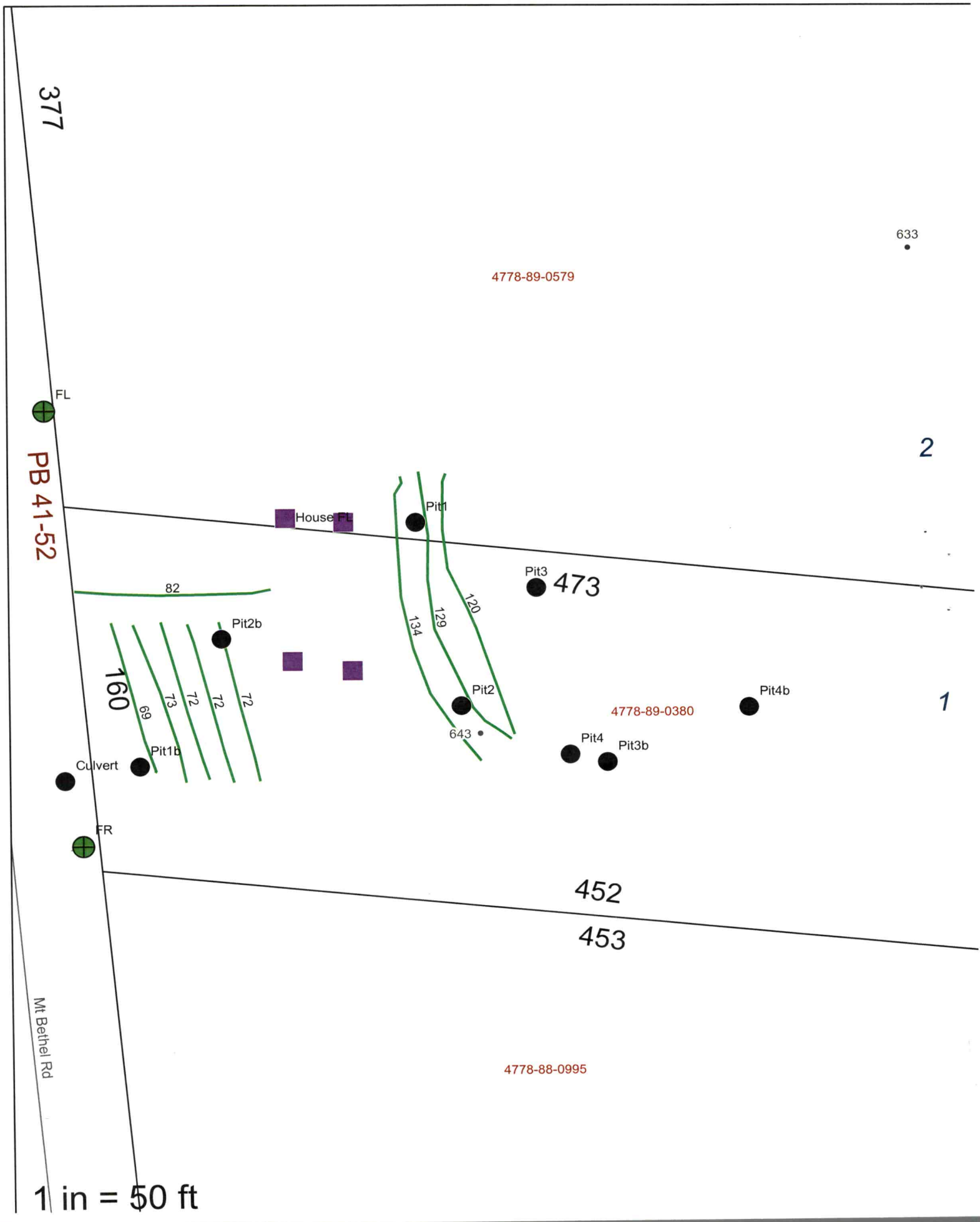
HORIZON DEPTH	In inches below natural soil surface
DEPTH OF FILL	In inches from land surface
RESTRICTIVE HORIZON	Thickness and depth from land surface
SAPROLITE	S(suitable) or U(unsuitable)
SOIL WETNESS	Inches from land surface to free water or inches from land surface to soil colors with chroma 2 or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




377
633
4778-89-0579
FL
PB 41-52
2
House FL
Pit1
Pit3
473
82
120
129
134
Pit2b
160
73
72
72
72
69
Pit2
Pit4b
4778-89-0380
1
643
Pit4
Pit3b
Pit1b
Culvert
FR
452
453
Mt Bethel Rd
4778-88-0995
1 in = 50 ft