

JFD 2104-0086

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

Owner: \_\_\_\_\_ Applicant: Victoria Weckel  
 Address: \_\_\_\_\_ Date Evaluated: 5-18-24-21  
 Proposed Facility: JFD Design Flow (.1949): 360 Property Size: \_\_\_\_\_  
 Location of Site: \_\_\_\_\_ Property Recorded: \_\_\_\_\_  
 Water Supply:  Public  Individual  Well  Spring  Other  
 Evaluation Method:  Auger Boring  Pit  Cut  
 Type of Wastewater:  Sewage  Industrial Process  Mixed

Lot 23  
 Cane Mill  
 Est

P R O F I L E #	.1940 Landscape Position/ Slope %	Horizon Depth (In.)	SOIL MORPHOLOGY .1941		OTHER PROFILE FACTORS				Profile Class & LTAR
			.1941 Structure/ Texture	.1941 Consistence Mineralogy	.1942 Soil Wetness/ Color	.1943 Soil Depth (IN.)	.1956 Sapro Class	.1944 Restr Horiz	
1	L 5%	0-5	SLing	fill					
		5-18	SL	Rocks FR GR NSWP					
		18-36	SLing	FRN SBL S.P	30" max SL 3-1	36"			3
2,4	L 5%	0-4	SLing	FR - FRU mat					
		4-26	SL	FR GR NSWP					
		26-48	SLC	FRN SBL S.P.	40" 7.5yr 2-1	48"			4 → 45
3	L 2-3% 70dgr	0-30	SL	FR GR NSWP					
		30-48	SLC	FRN SBL S.P.	42-44" 7.5yr 3-1	48"			45-5

Description	Initial System	Repair System	Other Factors (.1946): Site Classification (.1948): Evaluated By: Others Present:
Available Space (.1945)			JPALE WTS ESSUG. U-75-
System Type(s)	2500	50%	JTA-AC 18th
Site LTAR	4	4 → 5	

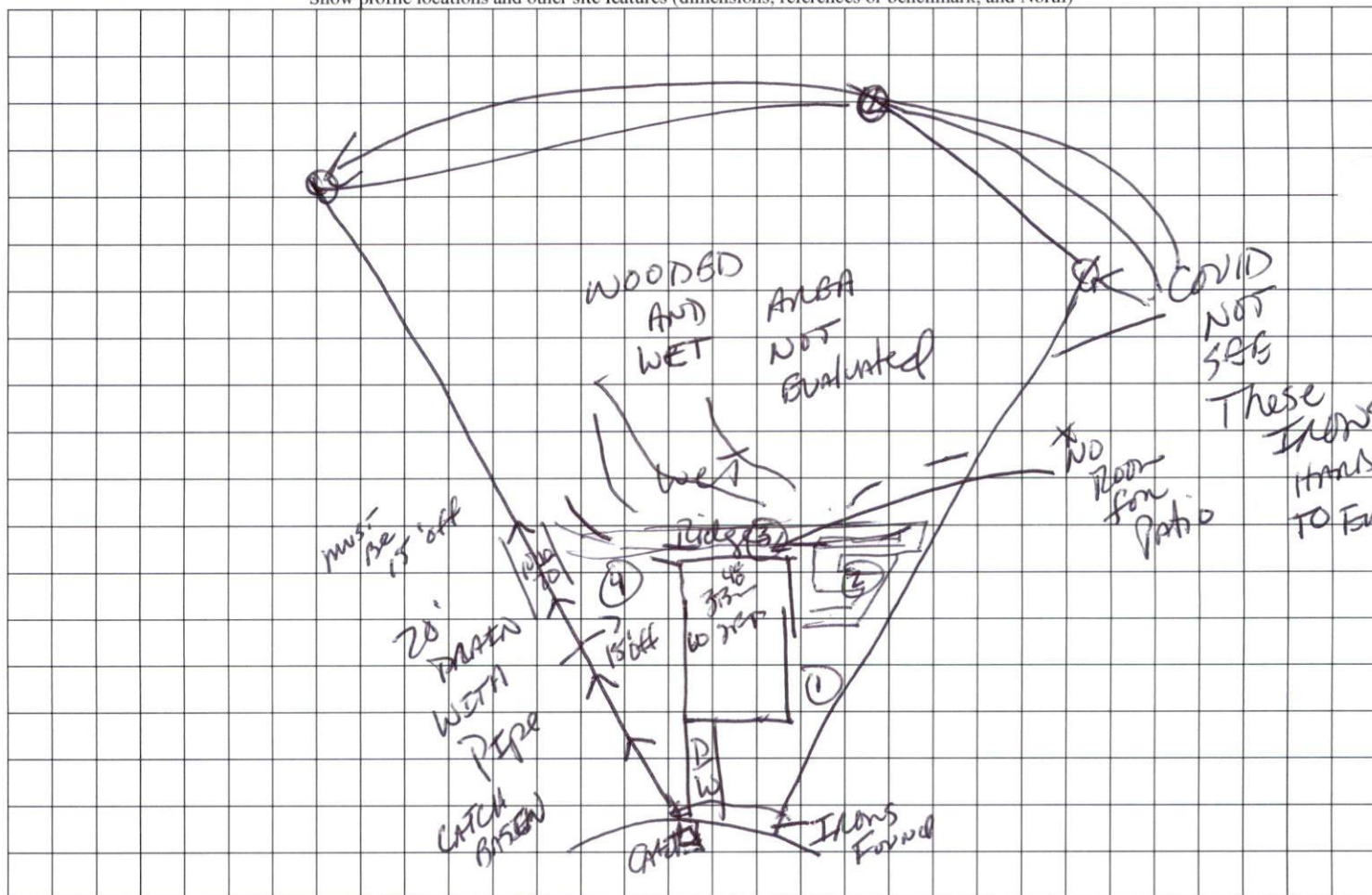
COMMENTS: \_\_\_\_\_

LANDSCAPE POSITIONS	GROUP	TEXTURES	.1955 LTAR	CONSISTENCE MOIST	WET
R-RIDGE	I	S-SAND	1.2 - 0.8	VFR-VERY FRIABLE	NS-NON-STICKY
S-SHOULDER SLOPE		LS-LOAMY SAND		FR-FRIABLE	SS-SLIGHTY STICKY
L-LINEAR SLOPE	II	SL-SANDY LOAM	0.8 - 0.6	FI-FIRM	S-STICKY
FS-FOOT SLOPE		L-LOAM		VFI-VERY FIRM	VS-VERY STICKY
N-NOSE SLOPE	III	SI-SILT	0.6 - 0.3	EFI-EXTREMELY FIRM	NP-NON-PLASTIC
H-HEAD SLOPE		SIL-SILT LOAM			SP-SLIGHTLY STICKY
CC-CONCLAVE SLOPE		CL-CLAY LOAM			P-PLASTIC
CV-CONVEX SLOPE		SCL-SANDY CLAY LOAM			VP-VERY PLASTIC
T-TERRACE	IV	SIC-SILTY CLAY	0.4 - 0.1		
FP-FLOOD PLAN		C-CLAY			
		SC-SANDY CLAY			

STRUCTURE  
 SG-SINGLE GRAIN  
 M- MASSIVE  
 CR-CRUMB  
 GR-GRANULAR  
 SBK-SUBANGULAR BLOCKY  
 ABK-ANGULAR BLOCKY  
 PL-PLATY  
 PR-PRISMATIC

MINERALOGY  
 SLIGHTLY EXPANSIVE  
 EXPANSIVE

Show profile locations and other site features (dimensions, references or benchmark, and North)



**NOTES:**

- THIS SURVEY WAS PREPARED BY BATEMAN CIVIL SURVEY CO., UNDER THE SUPERVISION OF STEVEN P. CARSON, PLS.
- THIS PLAN HAS BEEN PREPARED FOR LAYOUT AND PERMITTING PURPOSES ONLY.
- PROPERTY LINES SHOWN WERE TAKEN FROM EXISTING FIELD EVIDENCE, EXISTING DEEDS AND PLATS OF PUBLIC RECORD, AND INFORMATION SUPPLIED TO THE SURVEYOR BY THE CLIENT.
- ALL DISTANCES ARE HORIZONTAL GROUND DISTANCES AND ALL BEARINGS ARE NORTH CAROLINA STATE PLANE COORDINATE SYSTEM UNLESS OTHERWISE SHOWN.
- THIS MAP IS NOT FOR RECORDATION AND SHOULD BE REVIEWED BY A LOCAL GOVERNMENT AGENCY FOR COMPLIANCE WITH ANY APPLICABLE LAND DEVELOPMENT REGULATIONS.
- THE BASIS OF NORTH AND ALL EASEMENTS, RIGHTS-OF-WAYS, BUFFERS, SETBACKS AND ADJOINERS, ETC. REFERENCED IN TITLE BLOCK.
- NO INVESTIGATION INTO THE EXISTENCE OF JURISDICTIONAL WETLANDS OR RIPARIAN BUFFERS PERFORMED BY THIS FIRM.
- SURVEYOR HAS MADE NO INVESTIGATION OR INDEPENDENT SEARCH FOR EASEMENTS OF RECORD, ENCUMBRANCES, RESTRICTIVE COVENANTS, OWNERSHIP TITLE EVIDENCE OR ANY OTHER FACTS THAT AN ACCURATE AND CURRENT TITLE SEARCH MAY DISCLOSE.
- THE PROPERTY LIES IN ZONE "X" PER NATIONAL INSURANCE PROGRAM FLOOD INSURANCE RATE MAP #3720151900, DATED 10/03/2006.
- ALL CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH ALL TOWN OF COATS AND NCDOT STANDARDS AND SPECIFICATIONS.
- ZONING IS RA-30.
- PROPERTY OWNER: SMITH DOUGLAS HOMES  
2520 RELIANCE AVENUE  
APEX, NC 27539

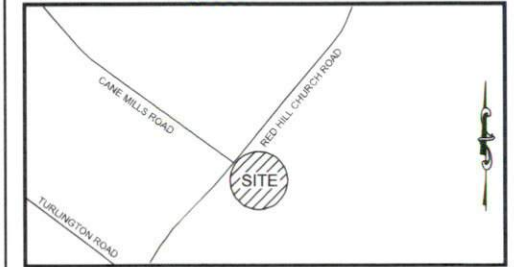
**LOT INFORMATION:**

PIN: 1519-21-6078.000  
 TOTAL LOT AREA = 1.13 AC = 49,166 SF  
 PROPOSED IMPERVIOUS = 3,743 SF  
 BLDG = 2,805 SF  
 P = 120 SF  
 PO = 20 SF  
 SW = 85 SF  
 DW = 713 SF  
 PERCENT IMPERVIOUS = 7.61 %



**Bateman Civil Survey Company**

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 NCBELS Firm No. C-2378



**VICINITY MAP**

(Not to Scale)

**LEGEND**

- PO = PORCH
- P = PATIO
- SP = SCREENED PORCH OR PATIO
- CP = COVERED PORCH OR PATIO
- WD = WOOD DECK
- SW = SIDEWALK
- DW = CONC DRIVEWAY
- ⊗ = COMPUTED POINT
- = IRON PIPE FOUND
- ⊙ = IRON PIPE SET
- ⊠ = WATER METER
- CO = CLEANOUT
- AC = AIR CONDITIONER
- ⊠ = ELECTRIC BOX
- ⊙ = CABLE BOX
- ⊠ = TELEPHONE PEDESTAL
- ⊙ = LIGHT POLE
- ⊠ = ELECTRIC METER
- CI = CURB INLET
- ⊠ = GAS METER
- YI = YARD INLET
- FH = FIRE HYDRANT
- ⊙ = UTILITY POLE
- WV = WATER VALVE
- GW = GUY WIRE
- ⊙ = SEWER MANHOLE

**BUILDING SETBACKS:**

FRONT = 40 ft  
 SIDE = 15 ft  
 CORNER = 30 ft  
 REAR = 30 ft

This map is of an existing parcel of land and is only intended for the parties and purposes shown. This map not for recordation. No title report provided.

BUILDER TO VERIFY HOUSE LOCATION, DIMENSIONS AND REVIEW TOTAL IMPERVIOUS NOTED ON THIS PLOT PLAN

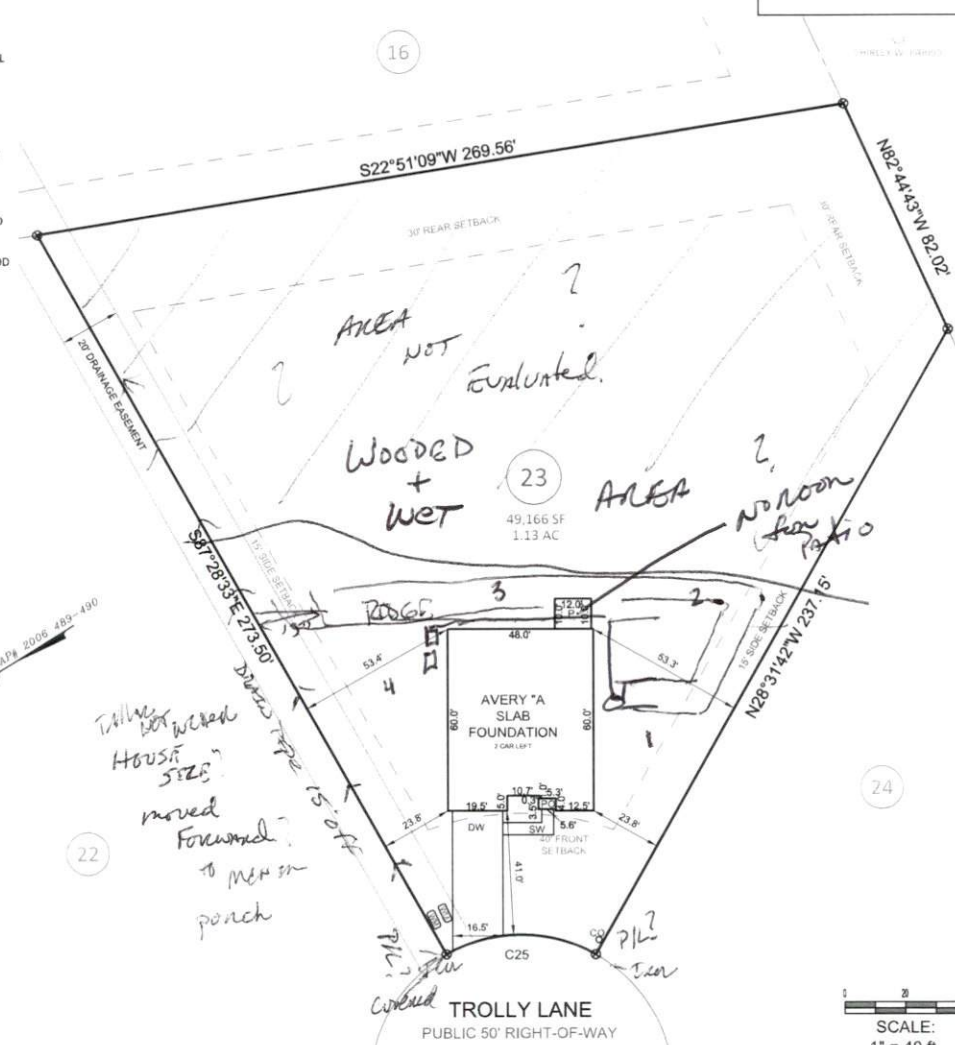
**PRELIMINARY PLOT PLAN**  
FOR



**CANE MILL ESTATES - LOT 23**  
 136 TROLLY LANE, COATS, NC  
 GROVE TOWNSHIP, HARNETT COUNTY

DATE: 4/19/21 DRAWN BY: AHB CHECKED BY: SPC

REFERENCE: MAP# 2006 489-490 PROJECT# 200772 SCALE: 1"=40'



CURVE TABLE				
CURVE	RADIUS	LENGTH	CHORD DIRECTION	CHORD
C25	50.00'	51.44'	N31°59'54"E	49.20'

