

SFD 2310-0006

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

Owner: Applicant: *Jimbooden*
 Address: Date Evaluated: *10-24-23*
 Proposed Facility: *SFD* Design Flow (.1949): *240* 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

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	
<i>1.2</i>	<i>3-5% L</i>	<i>0-8</i>	<i>SL</i>	<i>fine sand</i>					
<i>36</i>		<i>0-10</i>	<i>clay</i>	<i>rocky</i>					
<i>4.5</i>	<i>3-5% L</i>	<i>0-15</i>	<i>SL</i>	<i>fine sand</i>					
		<i>15-40</i>	<i>clay</i>	<i>fine sand</i>	<i>36-38" SW</i>				<i>.3</i>

Description	Initial System	Repair System	Other Factors (.1946): Site Classification (.1948): <i>PS</i> Evaluated By: <i>JL</i> Others Present:
Available Space (.1945)			
System Type(s)	<i>2500</i>	<i>2500</i>	
Site LTAR	<i>13</i>	<i>13</i>	

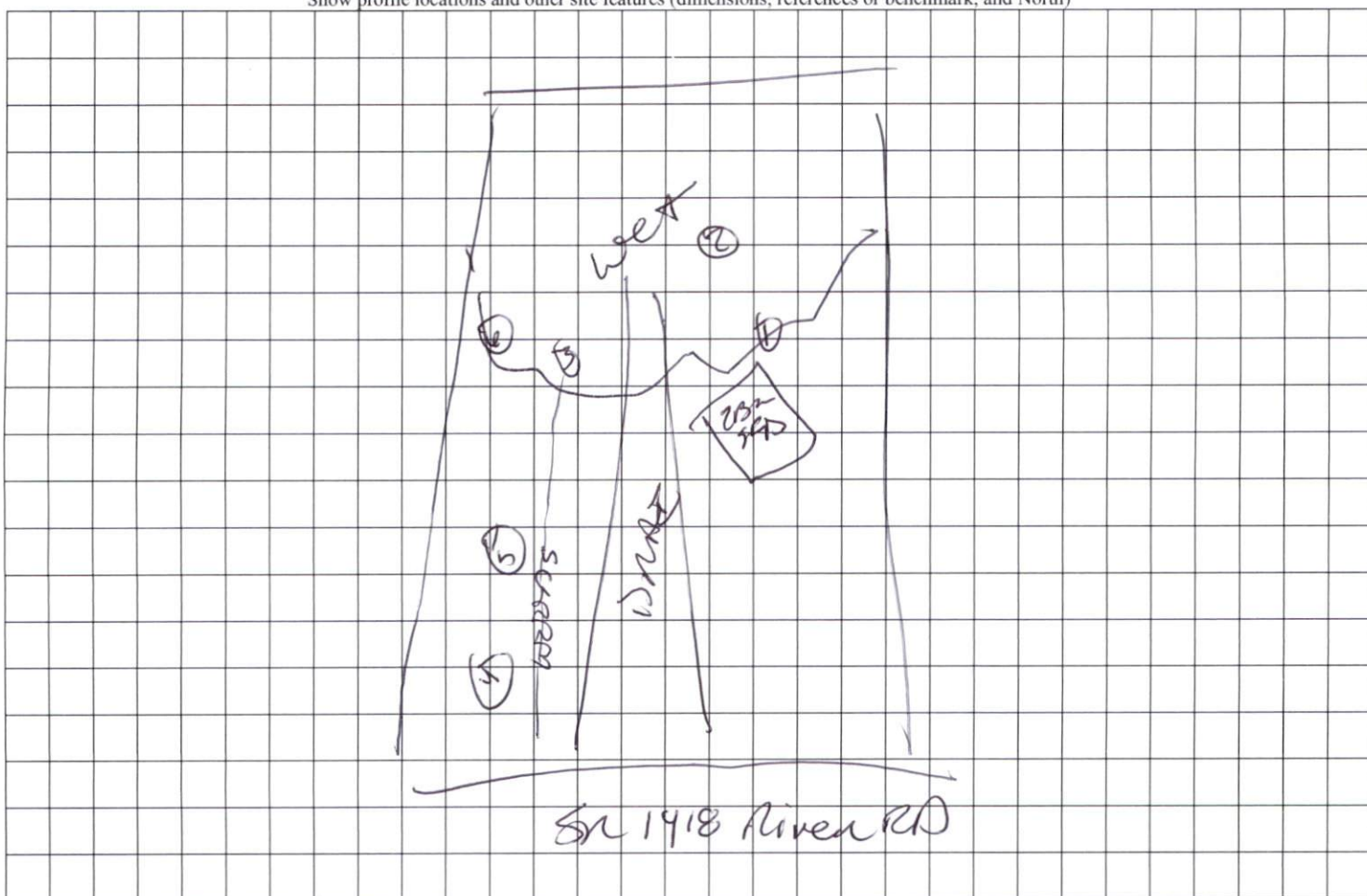
COMMENTS: _____

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



RESIDENTIAL CODE SUMMARY

PLANS ARE DESIGNED TO MEET REQUIREMENTS OF 2018 NORTH CAROLINA RESIDENTIAL CODE
 STRUCTURE IS DESIGNED TO WITHSTAND 100 MPH, 3 SECOND GUST (85 FASTEST WIND), EXPOSURE B.
 ANCHOR BOLTS SHALL BE MIN. 1/2" DIAMETER & SHALL EXTEND A MINIMUM 7" INTO MASONRY OR CONCRETE. ANCHOR BOLTS TO BE NO MORE THAN 8" O.C. AND WITHIN 12" OF THE CORNERS.
 MAIN ROOF HEIGHT - 22'-2"

COMPONENT AND GLAZING ARE DESIGNED FOR THE FOLLOWING LOADS:

WIND ROOF HEIGHT	UP TO 30'	30'-1'-35'	35'-1'-40'	40'-1'-45'
ZONE 1	18.5-18.0	17.3-18.9	18.0-19.6	18.5-20.2
ZONE 2	18.5-21.0	17.3-22.1	18.0-22.9	18.5-23.5
ZONE 3	18.5-21.0	17.3-22.1	18.0-22.9	18.5-23.5
ZONE 4	18.0-18.5	18.8-20.5	19.6-21.3	20.2-21.8
ZONE 5	18.0-18.1	18.8-25.3	19.6-26.3	20.2-27.0

MINIMUM VALUES FOR ENERGY COMPLIANCE

ZONE 4
 MAXIMUM GLAZING U-FACTOR=0.35
 CEILING R-30 (UNCOMPLETED)
 WALLS R-13 Cavity & R-2.5 SHEATHING OR R15 GYPSUM
 SLAB EDGE R-10 (ECCORNERED AREA)

MAIN FLOOR AREA

CONDENSED	1101 SF
FRONT PORCH	257 SF
SIDE PORCH	32 SF

ATIC SPACE VENTILATION

1/150 X 1181 SQ.FT. ATIC AREA=2.3 SQ.FT. NET FREE AREA OF LOWER FLOOR

METHOD OF VENTILATION

CONTINUOUS ROOF RIDGE VENTING WITH PERFORATED, CONTINUOUS SOFFIT VENTING FOR INCOME

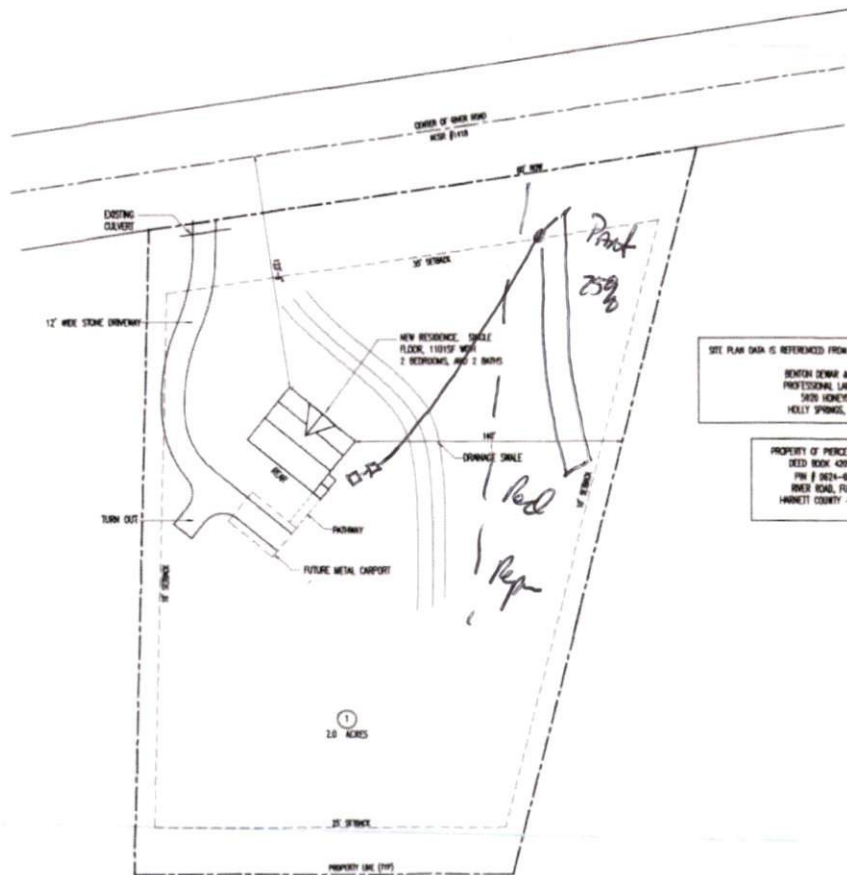
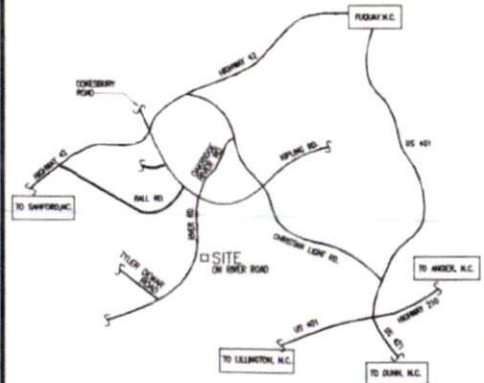
CEILING SPACE VENTILATION

NOT APPLICABLE FOR THIS PROJECT

SHEET SCHEDULE

A0	COVER SHEET, SITE AND DATA
A1	FLOOR PLAN
A2	DIMENSIONAL FLOOR PLAN
A3	ELEVATIONS
A4	WALL SECTIONS
S1	FOUNDATION PLAN
S2	FRAMING PLAN
S3	ROOF PLAN

VICINITY PLAN



SITE PLAN DATA IS REFERENCED FROM SURVEY DRAWING PREPARED BY:
 BENTON DENAR & ASSOCIATES
 PROFESSIONAL LAND SURVEYOR
 5810 HONEYCUTT RD.
 HOLLY SPRING, N.C. 27540

PROPERTY OF PIERCE HAMILTON PRINCE
 DEED BOOK 4289 PAGE 1734
 P.M. # 0824-40-448-000
 RIVER ROAD, FUGUY, NORTH CAROLINA
 HARNETT COUNTY - NORTH CAROLINA

A0 SITE PLAN
 01 1"=30'-0"

BUILDING DESIGN BY:
S&S CONTRACTING
 4348 RIVER ROAD, FUGUY, NC 27508

CUSTOM RESIDENCE FOR PIERCE PRINCE
 RIVER ROAD, FUGUY N.C.

DATE: 10/3/2013
 DATE: AUGUST, 2013

A0