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

Sheet ____ of ____
PROPERTY ID #: _____
COUNTY: _____

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

OWNER: Michael Schutrum
ADDRESS: 683 Kemp Road Mooresville NC
PROPOSED FACILITY: 4 BR House
LOCATION OF SITE: 683 Kemp Rd

APPLICATION DATE 12-8-15
DATE EVALUATED: 1-9-16
PROPOSED DESIGN FLOW (.1949): 480 gal/day
PROPERTY SIZE: _____
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	OTHER PROFILE FACTORS .1943 SOIL DEPTH	OTHER PROFILE FACTORS .1956 SAPRO CLASS	OTHER PROFILE FACTORS .1944 RESTR HORIZ	PROFILE CLASS & LTAR
1	15% W side slope	0-32"	Clay Moderate → strong ABK	Slightly Firm, SS, Sp, Sexp	—	61"	—	—	0.3 PS
		32-61"	Clay Loam moderate ABK	Friable, SS, Sp, Sexp					
			Common → Abundant SAPROLITE 48" → 61"						
2	15% B side slope	0-5	Clay Loam weak SBK	Slightly Friable, SS, Sp, Sexp	Poor drainage 0-5"	50			0.275 PS
		5-21	Clay moderate ABK	Firm, SS, Sp, Sexp					
		21-50	clay Loam weak ABK/SBK	Friable, SS, Sp, Sexp					
			* Rock 20-30" on upsloping sidewall						
3	15% B Foot slope	0-18"	Clay moderate ABK	Slightly Firm, SS, Sp, Sexp		43 + 5" Auger			0.275 PS
		18-43	clay Loam weak SBK	Slightly Friable, SS, Sp, Sexp					
4	15% Foot slope	5-23"	Clay weak ABK	Firm, SS, Sp, Sexp		53"			0.250 PS
		23-53"	Clay Loam/clay mix weak SBK/ABK	Slightly Firm, SS, Sp, Sexp					
		58"-64"	Saprolite (upslope side) [loamy + well drained]						
		0-5"	Clay Loam weak ABK	Slightly Friable, SS, Sp, Sexp					

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	250 + 210 L.F	187 L.F.
System Type(s)	conv gray + 25% reduction	LP-PPBPS
Site LTAR	0.25	0.25

OTHER FACTORS (.1946): —
SITE CLASSIFICATION (.1948): PS
EVALUATED BY: Tom Shuck
OTHER(S) PRESENT: Ashley Rollins

COMMENTS: _____

for ON-SITE WASTEWATER SYSTEM

APPLICATION DATE: _____

OWNER: _____ DATE EVALUATED: _____

ADDRESS: _____ PROPERTY SIZE: _____

PROPOSED FACILITY: _____ PROPOSED DESIGN FLOW (.1949): _____ PROPERTY RECORDED: _____

LOCATION OF SITE: _____

WATER SUPPLY: ☐ Private ☐ Public ☐ Well ☐ Spring ☐ Other _____ TYPE OF WASTEWATER: ☐ Sewage ☐ Industrial Process ☐ Mixed

EVALUATION METHOD: ☐Auger Boring ☐ Pit ☐ Cut

PROFILE #	.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	.1956 SAPRO CLASS	.1944 RESTR HORIZ	
4 (previously full of water)	Foot Slope	0-26	clay strong ABK	Firm (slightly) SS Sp Sap					
		26-47	clay Loam Med SBK	Slightly Friable, SS, Sp, Sap					

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)		
System Type(s)		
Site LTAR		

OTHER FACTORS (.1946): _____

SITE CLASSIFICATION (.1948): _____

EVALUATED BY: _____

OTHER(S) PRESENT: _____

COMMENTS: _____

#5 (Adjacent D/W dry) 0-22" Redox Clay Firm (lenticular)

22-50+" Clay Loam Saprolite [poorly drained]

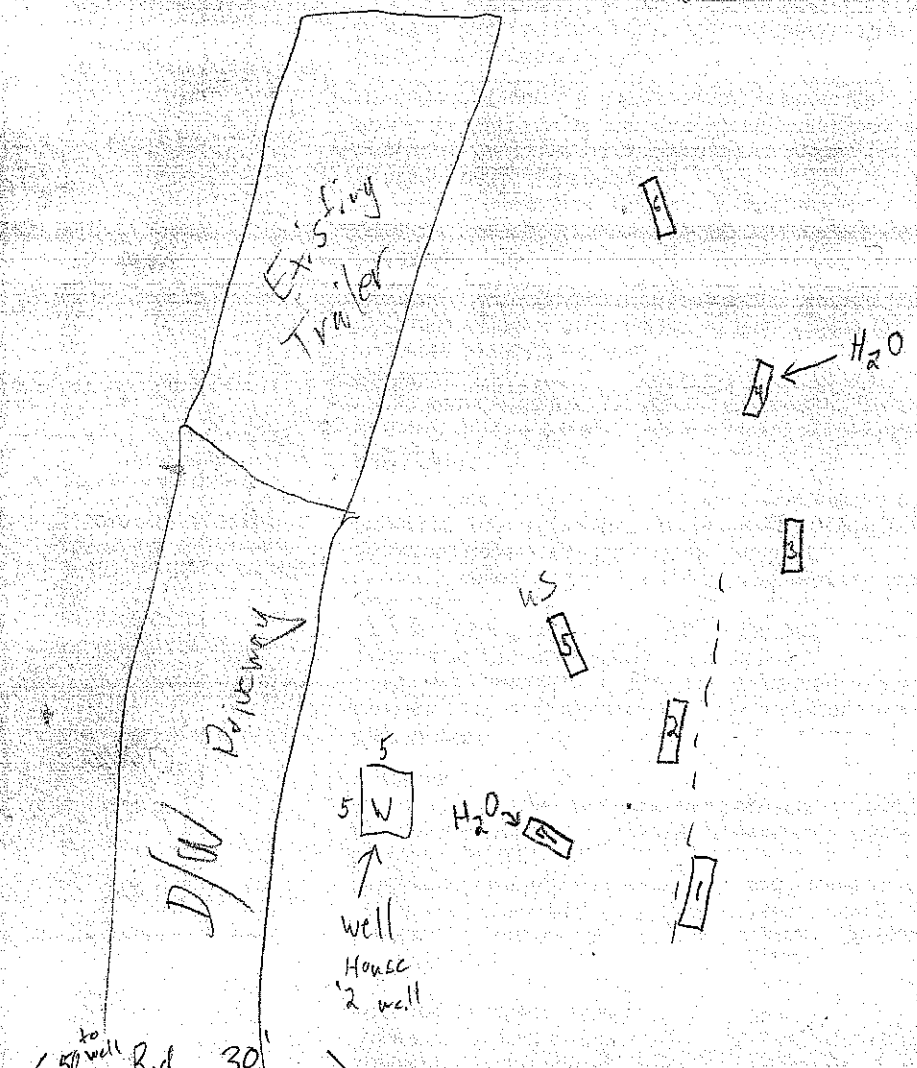
US

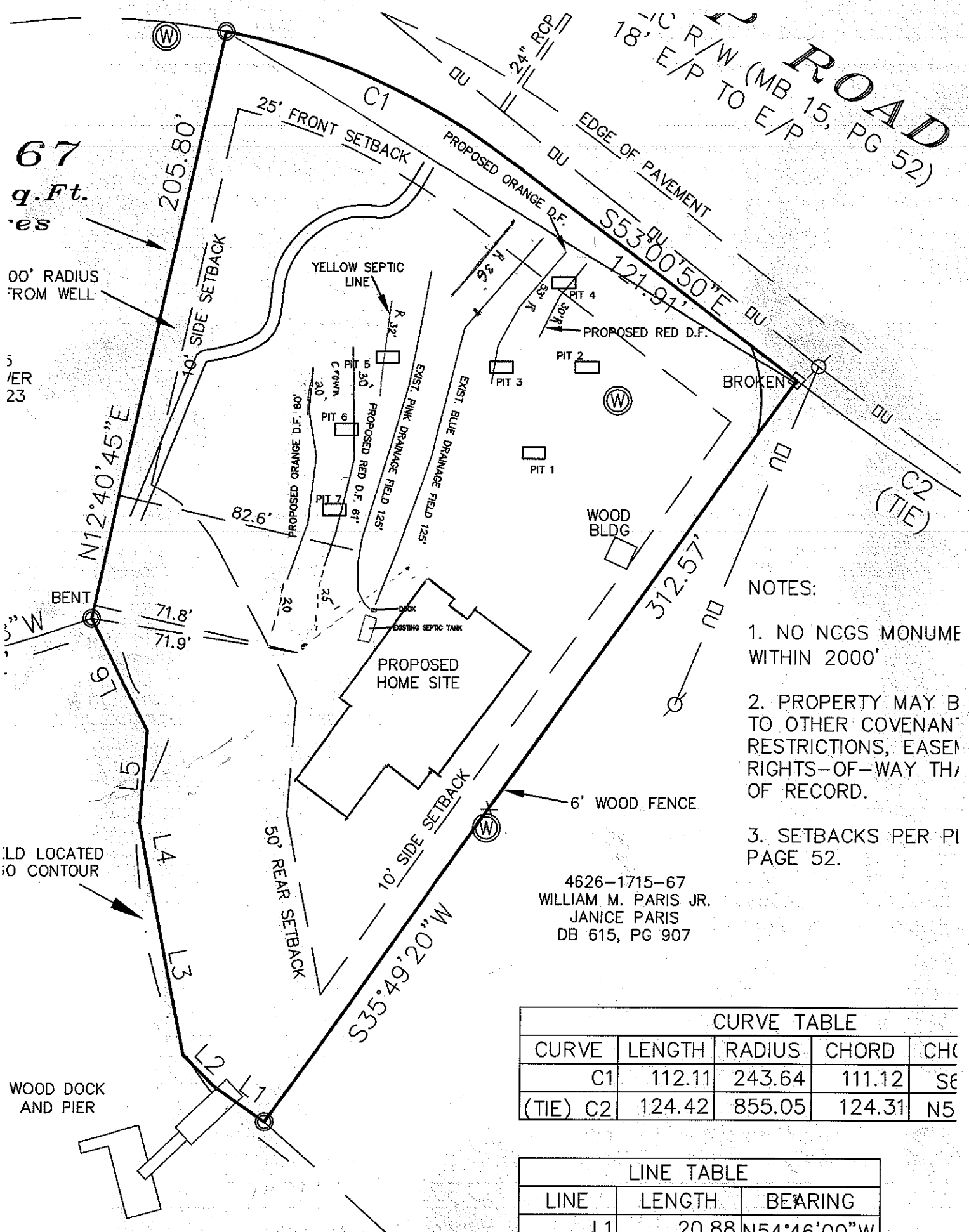
1920

0.25 | 480 * | 640 | linear feet gravel

-250 [existing]

490





NOTES:

1. NO NCGS MONUME WITHIN 2000'

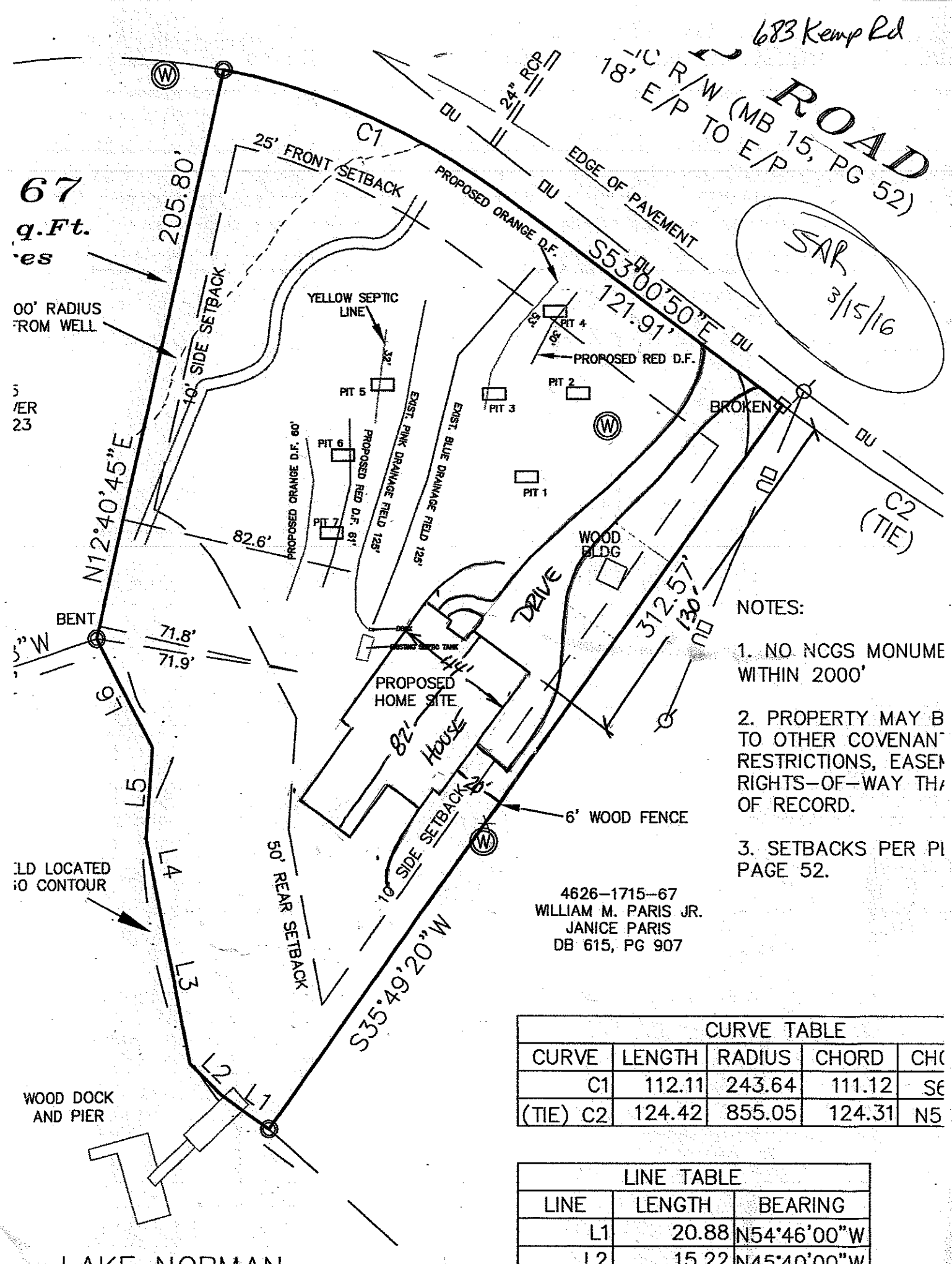
2. PROPERTY MAY B TO OTHER COVENAN RESTRICTIONS, EASE RIGHTS-OF-WAY TH OF RECORD.

3. SETBACKS PER PI PAGE 52.

4626-1715-67
WILLIAM M. PARIS JR.
JANICE PARIS
DB 615, PG 907

CURVE TABLE				
CURVE	LENGTH	RADIUS	CHORD	CH
C1	112.11	243.64	111.12	S
(TIE) C2	124.42	855.05	124.31	N5

LINE TABLE		
LINE	LENGTH	BEARING
L1	20.88	N54°46'00"W
L2	15.22	N45°40'00"W



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