

MICHAEL ATHANAS & ASSOCIATES
LICENSED SOIL SCIENTIST
1999 CANDLEWICK DRIVE
FORT MILL, S.C. 29715
803-802-4403 (office)
803-802-4402 (fax)

Reference: Data Sheet for Lot 93 & 1698-B, Section 6 CLT, Iredell County, NC
House Footprint: Refer to Survey
Water Source: Private Well (Existing)
Number of Bedrooms: 4/480gpd
Proposed LTAR: Initial 0.3 gpd/ft2, Repair 0.3 gpd/ft2
Suggested System Type: 25% Reduction (4x100'), Repair LP PPBPS
Distribution: Pressure Manifold
Pressure Head: 2'
Flow per Tap: 7.11 gpm
Hole Size &Material: 4, ½" Taps SCH. 40
System Flow: 28.44 gal/min.
Dosing Volume: 183 gal/dose
Pump Run Time: 6.43 min
Elevation Head: 17.8
Friction Head: 2.67 (150 feet of supply line)
Total Dynamic Head: 26.96 (with 20% Cont.)
Total Linear Footage: 400'
Proposed Trench Depth: 36"
Septic/Pump Tank Size: 1500gal

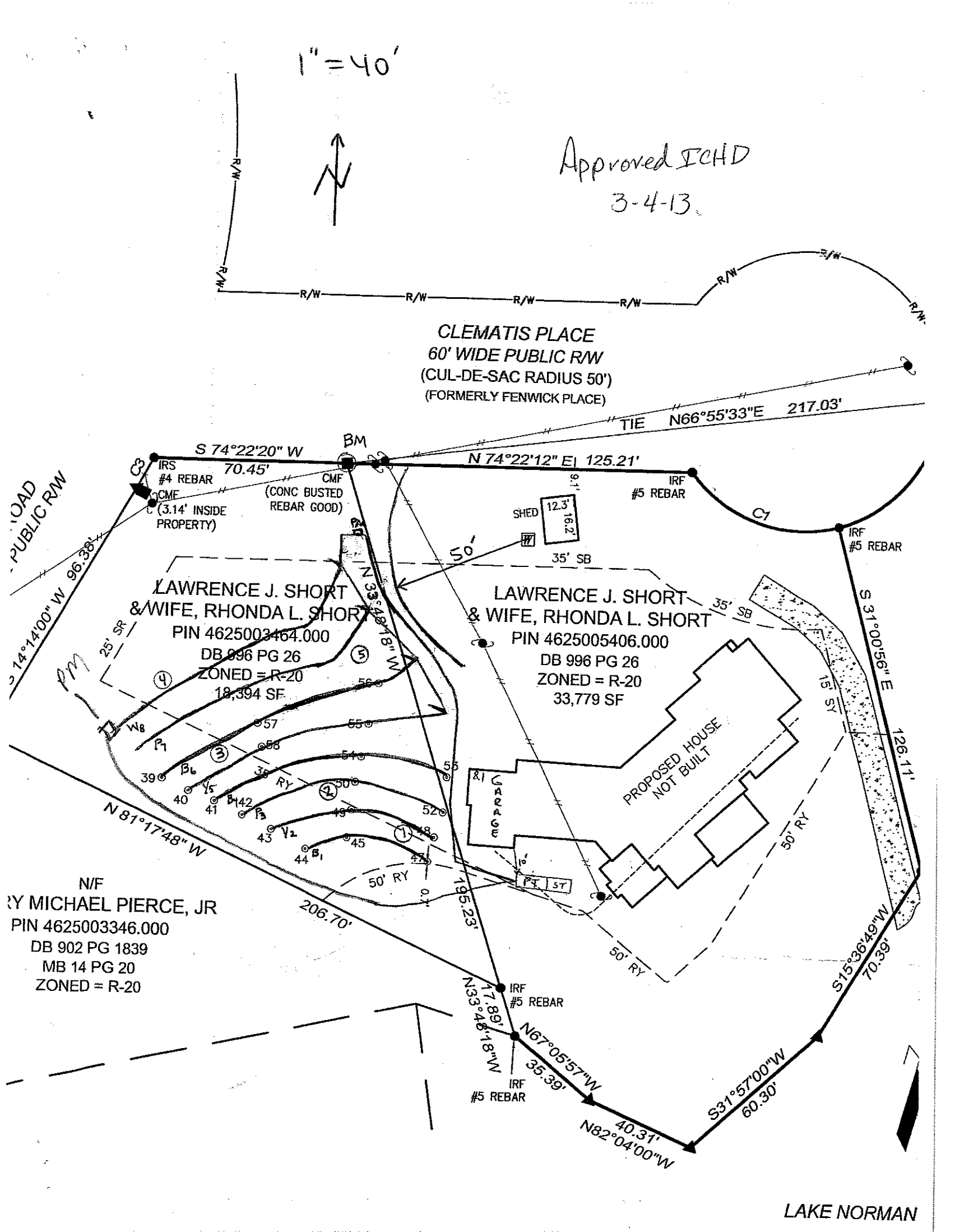
Line	Actual Length	Design Length	Elevation
Blue 1	48'	REPAIR	13.7
Yellow 2	63'	REPAIR	11.9
Pink 3	78'	REPAIR	10.1
Blue 4	90'	REPAIR	8.6
Yellow 5	**102'**	**100'**	**7.0**
Blue 6	**101'**	**100'**	**5.6**
Pink 7	**107'**	**100'**	**2.4**
White 8	**110'**	**100'**	**1.3**

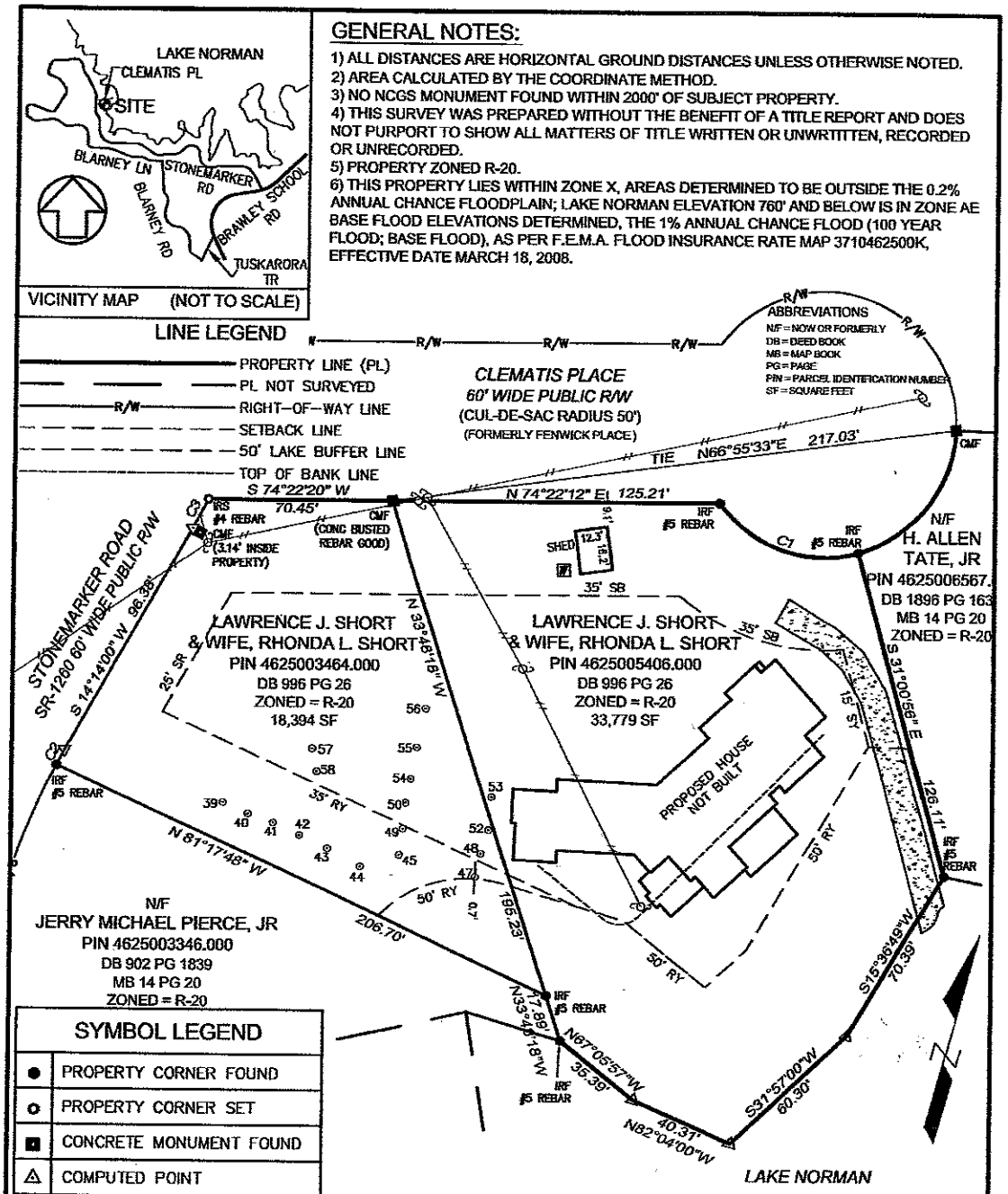
Initial System: 400' of 25% Red., Y5-W8 (1000gal)
ST/PT: 12.1, 1500gal MA 3-4-13
House Corner: 8.1, Front Right Corner

Repair System: B1-B4, 279' PPBPS
Benchmark: 2.1 Refer to Map

Comments: Please note these two lots are to be combined, before recordation we wanted to acquire the IP,

once the IP is issued, these lots will be re-recorded as one lot. We hope that once the new plat is presented to the county that the CA will be released. If there are any questions, please feel free to contact me.


1" = 40'
Approved ICHD
3-4-13
R/W
CLEMATIS PLACE
60' WIDE PUBLIC R/W
(CUL-DE-SAC RADIUS 50')
(FORMERLY FENWICK PLACE)
TIE N66°55'33"E 217.03'
S 74°22'20" W
70.45'
BM
N 74°22'12" E 125.21'
IRS
#4 REBAR
CME
(3.14' INSIDE
PROPERTY)
CMF
(CONC BUSTED
REBAR GOOD)
IRF
#5 REBAR
SHED
12.3'
16.2'
9.1'
C1
35' SB
50'
LAWRENCE J. SHORT
& WIFE, RHONDA L. SHORT
PIN 4625003464.000
DB 996 PG 26
ZONED = R-20
18,394 SF
LAWRENCE J. SHORT
& WIFE, RHONDA L. SHORT
PIN 4625005406.000
DB 996 PG 26
ZONED = R-20
33,779 SF
PROPOSED HOUSE
NOT BUILT
GARAGE
25' SR
15' SY
50' RY
S 14°14'00" W 96.38'
N 33°48'18" W
S 31°00'56" E
126.11'
N 81°17'48" W
206.70'
195.23'
N/F
RY MICHAEL PIERCE, JR
PIN 4625003346.000
DB 902 PG 1839
MB 14 PG 20
ZONED = R-20
17.89'
N33°48'18"W
IRF
#5 REBAR
N67°05'57"W
35.39'
S15°36'49"W
70.39'
S31°57'00"W
60.30'
N82°04'00"W
40.31'
LAKE NORMAN



CURVE TABLE				
CURVE	LENGTH	RADIUS	CHORD BEARING	CHORD
C1	60.02	50.00	S86°49'34"E	56.48
C2	6.54	235.74	S11°56'31"W	6.54
C3	12.42	243.04	N12°47'02"E	12.42

I, JACKIE G. DUNCAN, HEREBY CERTIFY THAT THIS PLAT WAS DRAWN UNDER MY SUPERVISION FROM AN ACTUAL SURVEY MADE UNDER MY SUPERVISION; THAT THE BOUNDARIES NOT SURVEYED ARE CLEARLY INDICATED AS DASHED LINES, DRAWN FROM INFORMATION REFERENCED ON THE FACE OF THIS PLAT; THAT THE RATIO OF PRECISION AS CALCULATED EXCEEDS 1:10,000;

THAT THIS SURVEY IS OF AN EXISTING PARCEL OR PARCELS OF LAND AND DOES NOT CREATE A NEW STREET OR CHANGE AN EXISTING STREET;

THAT THIS PLAT WAS PREPARED IN ACCORDANCE WITH G.S. 47-30 AS AMENDED (EXCEPT MAP SIZE); WITNESS MY ORIGINAL SIGNATURE REGISTRATION NUMBER AND SEAL THIS 19TH DAY OF FEBRUARY 2013, A.D.

PRELIMINARY PLAT
NOT FOR RECORDATION
CONVEYANCES OR SALES

NORTH CAROLINA REGISTRATION NUMBER L-3412
JACKIE G. DUNCAN

NORTH CAROLINA PROFESSIONAL LAND SURVEYOR
SEAL L-3412
JACKIE G. DUNCAN

REFERENCE: DEED BOOK 996 PAGE 26, DEED BOOK 815 PAGE 509, MAP BOOK 14 PAGE 20

PLOT PLAN for:

LAWRENCE J. SHORT AND WIFE, RHONDA L. SHORT

110 CLEMATIS LANE

LOT 93 & LOT 1698-B, SECTION 6,
CRESCENT LAND & TIMBER CORP.
LAKE NORMAN MAP OF RECREATION LOTS
TOWN OF MOORESVILLE, IREDELL COUNTY, NC

Jackie G. Duncan, PLS
111 WILSON STREET NE
CONCORD, NC 28025
PHONE: (704) 788-1407 - FAX: (704) 788-1540

SCALE: 1" = 50'	DATE: FEBRUARY 19, 2013	FILE: 12-034
DRAWN BY: JGD	CHECKED BY: JGD	SHEET: 1\1

DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL HEALTH
ON-SITE WASTEWATER SECTION

PROPERTY ID #: _____
COUNTY: Iredell

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

OWNER: Jeff Short _____ APPLICATION DATE: 2-24-12
ADDRESS: _____ DATE EVALUATED: 1-25-12
PROPOSED FACILITY: 4Br. PROPOSED DESIGN FLOW (.1949): 480gpd PROPERTY SIZE: 1.20
LOCATION OF SITE: 110 Clematis Lane PROPERTY RECORDED: _____
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)		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	
1	LS 10-12%	0-2	Br. SCL WSBK	FR SS/SP SEXP	Few to comm. Sap Incl	48"			PS .35
		2-24	R C SBK	FR SS/SP SEXP					
		24-48	R CL SBK/WSBK	FR SS/SP SEXP					
2	LS 10-12%	0-2	Br. SCL WSBK	FR SS/SP SEXP	Few Sap	48"			PS .35
		2-24	R C SBK	FR SS/SP SEXP					
		8-48	R CL SBK	FRI SS/SP SEXP					
3	LS 10%	0-18	R Clay SBK	FR SS/SP SEXP		48"			PS .35
		18-48	R CL SBK	FR SS/SP SEXP					
4	LS 10%	0-6	Br. SCL WSBK	FR SS/SP SEXP	Few Sap Incl.	48"			PS .35
		6-24	R Clay SBK	FR SS/SP SEXP					
		24-48	R CL SBK	FR SS/SP SEXP					

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	1200 ft2	837 ft2
System Type(s)	25% Red.	PPBPS
Site LTAR	.3	.3

OTHER FACTORS (.1946): _____
SITE CLASSIFICATION (.1948): PS _____
EVALUATED BY: MA & Assoc. Inc. Approved ICHD 3-4-13
OTHER(S) PRESENT: _____

COMMENTS:

SOIL/SITE EVALUATION

(Continuation Sheet)

DEPARTMENT OF ENVIRONMENT
AND NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL HEALTH

PROPERTY ID #:
DATE OF EVALUATION:
COUNTY: Iredell

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	
5	LS 5-6%	0-8	Br. SCL WSBK	FR SS/SP SEXP		48"			PS .35
		8-28	R C SBK	FR SS/SP SEXP					
		28-48	R CL SBK	FR SS/SP SEXP					

COMMENTS: