RECEIVED AUG 1 3 2014

Int. Relayout - Pd $195.00



MICHAEL ATHANAS & ASSOCIATES
LICENSED SOIL SCIENTIST
561 Ennis Rd.
Weddington, NC 28173
(704) 576-3887

Reference: Lot 33 Watertree Landing, Mooresville, NC

It appears the existing house placement for this lot has slightly exceeded its original permitted area. MA&A has re-evaluated the soils area directly above the permitted initial area and provisionally soils were confirmed. The soils description was 0-16" red clay, sbk, firm, ss/sp sexp, 16-48" red clay loam, wsbk, friable, ss, sp, sexp with few to common saprolite inclusions (.3+).
If there are any questions please feel free to contact me.

OK
8-13-14

Thank you,
Michael Athanas

IREDELL COUNTY HEALTH DEPARTMENT

STATESVILLE 704-878-5305 MOORESVILLE 704-664-5281

IMPROVEMENT PERMIT / AUTHORIZATION TO CONSTRUCT / OPERATION PERMIT / EXISTING SYSTEM INSPECTION

PERMIT# 14706-08 PIN# 4626-11-5224 DATE 2/8/08

OWNER OR APPLICANT Mike & Lisa Ann Brown PHONE Business 704-202-5568 Home

ADDRESS Route 3 3772 Statesville NC 28677

LOCATION Redland Rd

SUBDIVISION WATER TREE LANDING SECTION LOT 33 LOT AREA .74 SITE CLASS D DESIGN FLOW 480 TAR 3

Septic Tank 1000 Gallons STB Date

Pump Tank 1000 Gallons PT Date

Pump Make Model Serial No

Manifold Laterals No. Feet 1 Square Feet 12x8 Linear Feet 400

No. Lines 4 @ 100' Trench Width 3' Bar Trench Bottom Depth 3'

X New System ☐ Repair ☐ Expansion System Type I II III IV V

System Description PM -> 25% REDUCTION

Repair System Description LP - MBPS

Maintenance Agreement Required ☐ Yes X No

X House/Mod Home ☐ Mobile Home ☐ Business ☐ Other

No. Bedrooms 4 No. Persons No. Employees

Water Supply: X Individual ☐ Public ☐ Community

Gravel Depth NA ☐ Gravity X Pressure ☐ Slab ☐ Crawl Space ☐ Basement w/plumbing ☐ Basement w/c/plumbing

Comments/Conditions:

1" = 50'

INITIAL SITE SKETCH

LP MBPS REPAIR AREA

MOUND PLAN REQUIRED

AS BUILT SKETCH

Comments/Conditions:

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 Improvement Permit with plat valid without expiration ☐ Improvement Permit with site plan valid for sixty months X Authorization to Construct is valid for a period equal to that of Improvement Permit - not to exceed sixty months

Signed X date 2/8/08

Improvement Permit by date 2/8/08

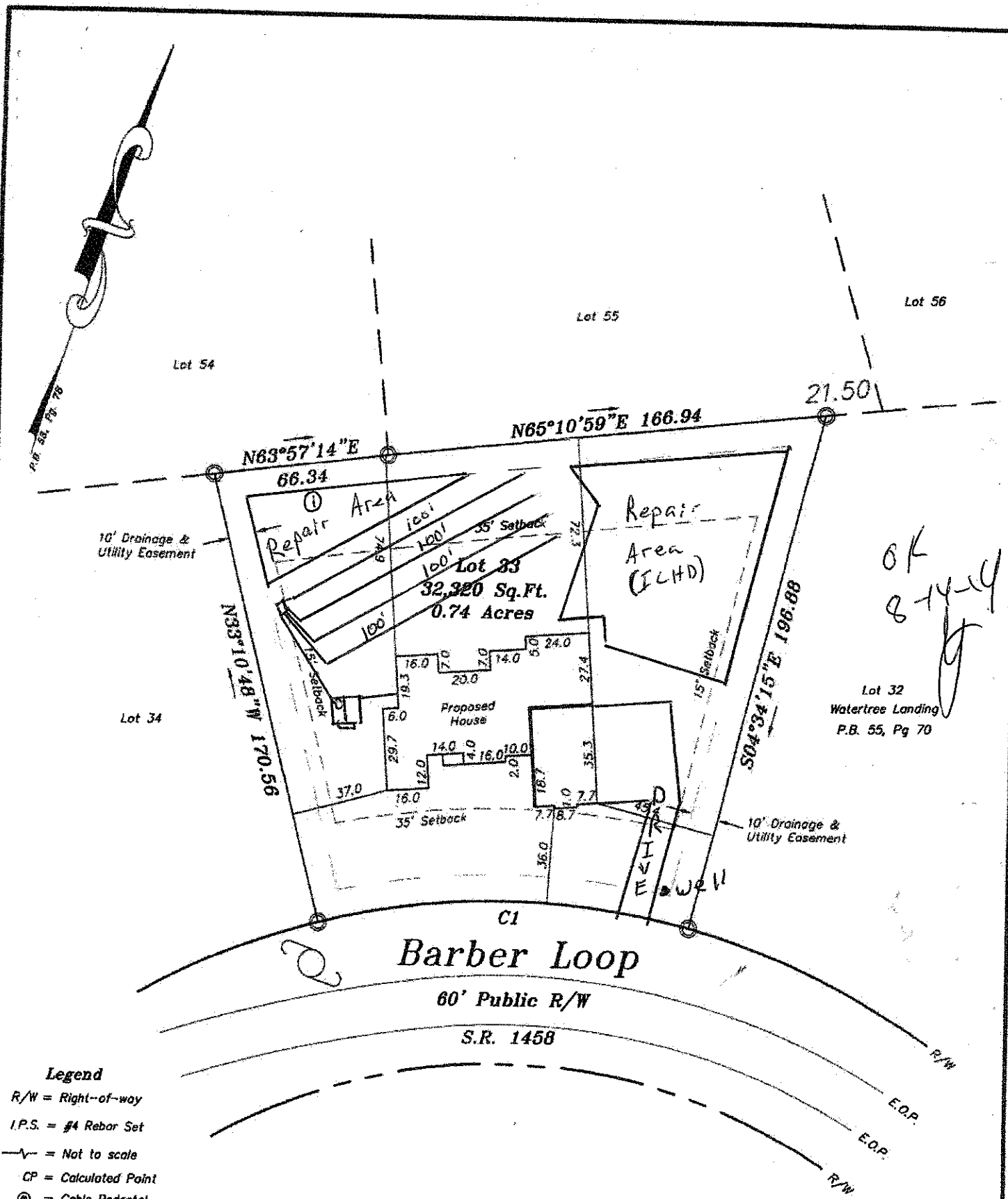
Authorization to Construct by date 2/8/08

Installed by

Operation Permit by date

Existing System Inspection by: date

HEALTH DEPT COPY WHITE OWNER COPY (FINAL) YELLOW OWNER COPY (INITIAL) PINK



OK
8-14-14

Legend

R/W = Right-of-way
I.P.S. = #4 Rebar Set
—∿— = Not to scale
CP = Calculated Point
◉ = Cable Pedestal
WM = Water Valve
= Utility Pole

Notes:

1) This property may be subject to any Easements, Rights-of-way, and/or Restrictive Covenants.
2) Boundary information based on Plat Book: 53 at Page: 78 as recorded in the Iredell County Register of Deeds.
3) This survey is of an existing parcel or parcels of land

GRAPHIC SCALE

50 0 25 50 100

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

Sheet 1 of 1
PROPERTY ID #:
COUNTY: Iredell

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

OWNER: Mid-Atlantic Dev. Co.
ADDRESS:
PROPOSED FACILITY: RES
PROPOSED DESIGN FLOW (.1949): 480 GPD
LOCATION OF SITE: Lot 33 Watertree landing
WATER SUPPLY: ☑ Private ☐ Public ☐ Well ☐ Spring ☐ Other
EVALUATION METHOD: ☐ Auger Boring ☑ Pit ☐ Cut

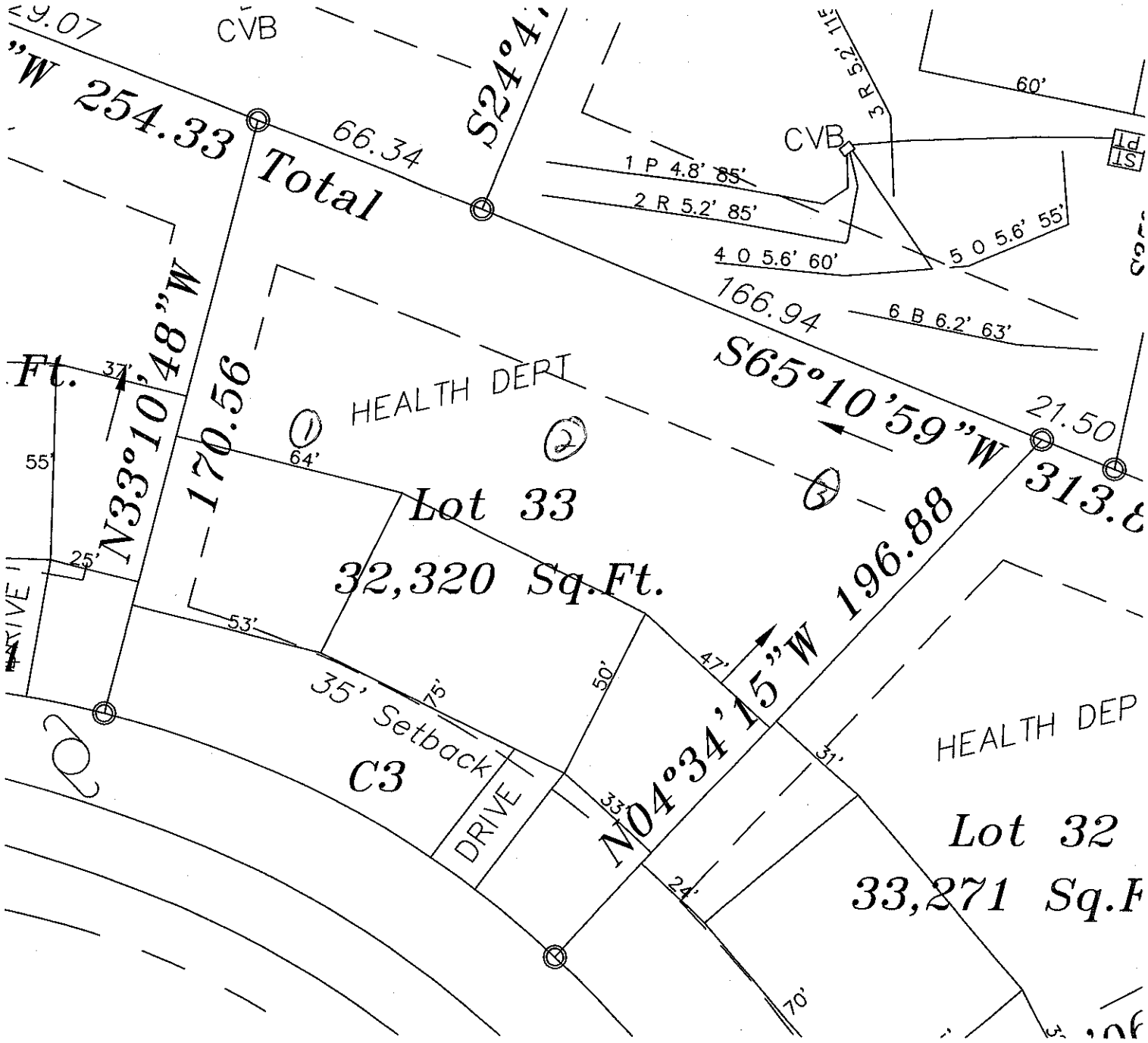
APPLICATION DATE 1/08
DATE EVALUATED: 1/08
PROPERTY SIZE:
PROPERTY RECORDED: Yes
TYPE OF WASTEWATER: ☐ Sewage ☐ Industrial Process ☐ Mixed

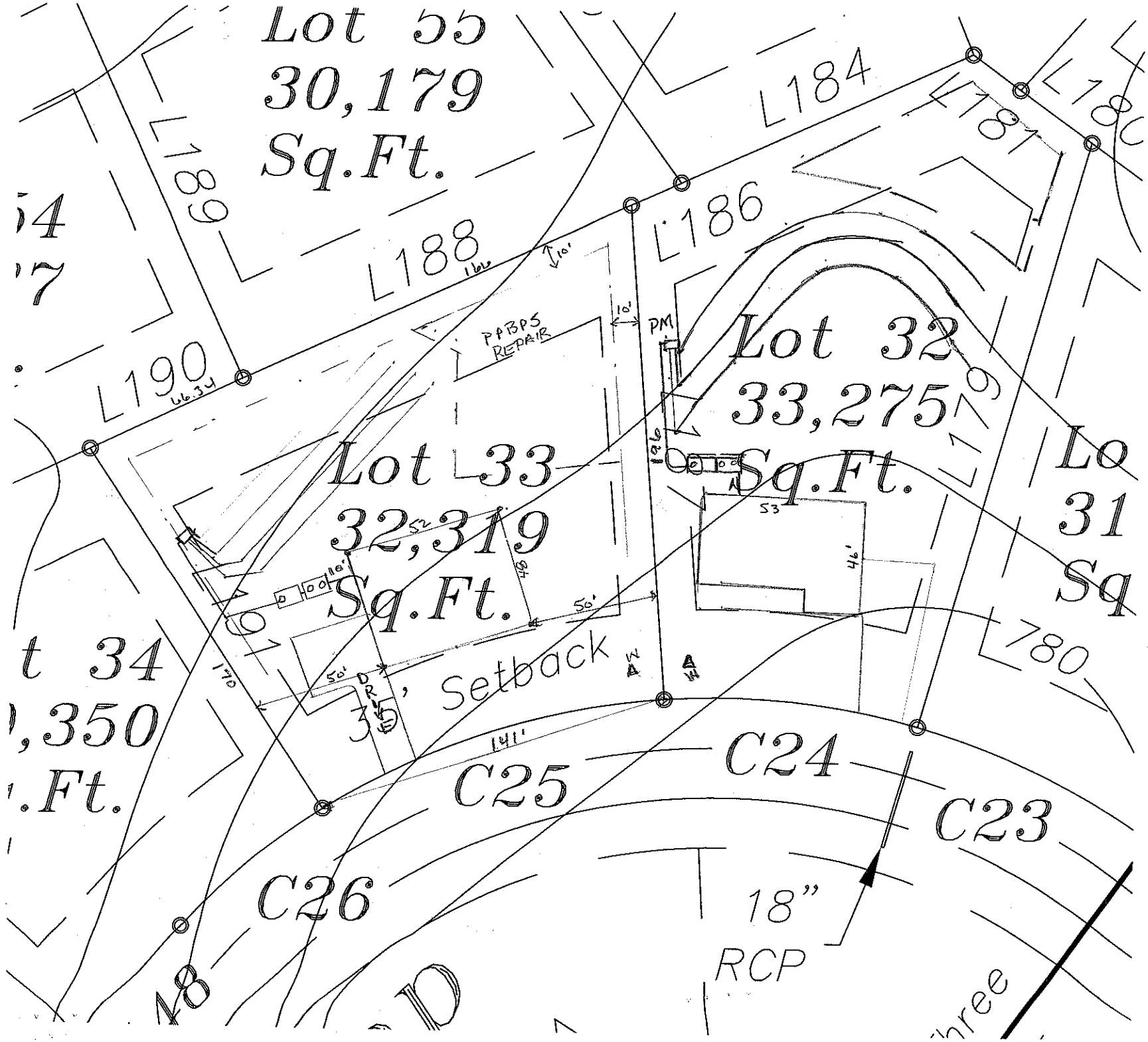
PROFILE #	.1940 LANDSCAPE POSITION/ SLOPE %	HORIZON DEPTH (IN.)	SOIL MORPHOLOGY (.1941) .1941 STRUCTURE/ TEXTURE	SOIL MORPHOLOGY (.1941) .1941 CONSISTENCE/ MINERALOGY	OTHER PROFILE FACTORS .1942 SOIL WETNESS/ COLOR	.1943 SOIL DEPTH	.1956 SAPRO CLASS	.1944 RESTR HORIZ	PROFILE CLASS & LTAR
1		0-36	RC SaBk	fri SSSP SMxP	–	48	–	–	3
		36-48	RCL WSBk	fri SSSP SMxP					
2		0-20	RC SBk	fri SSSP SMxP	–	48	–	–	3
		20-48	RCL WSBk	fri SSSP SMxP					
3		0-25	RC SBk	fri SSSP SMxP	–	50	–	–	3
		25-50	RCL WSBk	fri SSSP SMxP					
		50-60	SL SAP M	fri SSSP SMxP					
4									

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

OTHER FACTORS (.1946):
SITE CLASSIFICATION (.1948): PS
EVALUATED BY: Rollins Soil & Environmental
OTHER(S) PRESENT:

COMMENTS:


CVB
S24°4'
"W 254.33 Total
66.34
CVB
1 P 4.8' 85'
2 R 5.2' 85'
4 O 5.6' 60'
5 O 5.6' 55'
6 B 6.2' 63'
166.94
S65°10'59"W
21.50
313.8
Ft.
37'
N33°10'48"W
170.56
HEALTH DEPT
64'
55'
25'
Lot 33
32,320 Sq.Ft.
53'
35' Setback
C3
DRIVE
50'
47'
N04°34'15"W 196.88
31'
HEALTH DEP
Lot 32
33,271 Sq.F
24'
70'
60'


Lot 55
30,179
Sq.Ft.
L184
L181
L186
L189
L188
166'
10'
10'
PM
PAPPS
REPAIR
Lot 32
33,275
Sq.Ft.
L190
66.34'
Lot 33
32,319
Sq.Ft.
53'
46'
50'
50'
D
R
E
35' Setback
141'
C25
C24
C23
C26
18"
RCP
L80