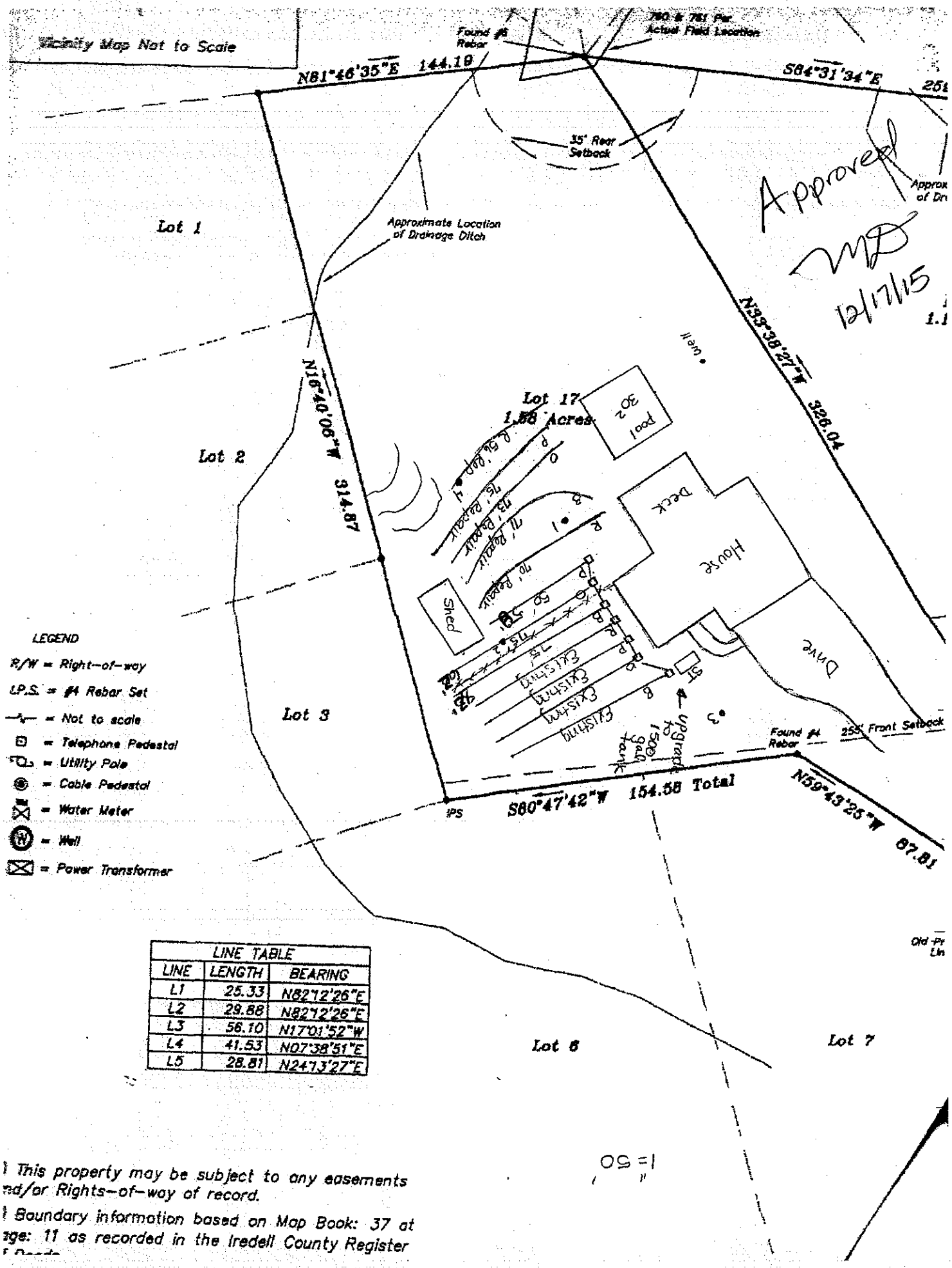


LINE TABLE		
LINE	LENGTH	BEARING
L1	25.33	N82°12'26"E
L2	29.88	N82°12'26"E
L3	56.10	N17°01'52"W
L4	41.53	N07°38'51"E
L5	28.81	N24°13'27"E

1" = 50'

This property may be subject to any easements and/or Rights-of-way of record.

Boundary information based on Map Book: 37 at Page: 11 as recorded in the Iredell County Register

484 McKendree Road Fast Track - The Oaks Group, PA

Number of Bedrooms	**5**
Basement or Crawl	**Crawl Space**
Design Flow (gpd)	**600**
Primary System LTAR (gpd/ft2)	**0.3**
Primary System Type	**25% Reduction**
No. Lines	7 (See Table)
Total Linear Feet	500
Trench Width	3' min.
Trench Spacing	9' min.
Distribution Device	Drop Boxes or Other
Tank Size	1500 ~~1000~~ gallon tank (New)
Max Trench Bottom Depth (Low Side)	36 inches
Maintenance Agreement Required	No
Repair System	**LP PPBPS**
Total Linear Feet	345
Repair Loading Rate	0.3

Approved MD 12/17/15

Table: Summary of Primary and Repair Nitrification Line Specifications

Line No.	Use	Line Color	System Type	Line Length (Ft.)
1	System	Blue	25% Reduction	75 (Existing)
2	System	Orange	25% Reduction	75 (Existing)
3	System	Pink	25% Reduction	75 (Existing)
4	System	Red	25% Reduction	75 (Existing)
5	System	Blue	25% Reduction	75 endfed
6	System	Orange	25% Reduction	75 endfed
7	System	Pink	25% Reduction	50 endfed
8	Repair	Red	LP PPBPS	70
9	Repair	Blue	LP PPBPS	71
10	Repair	Orange	LP PPBPS	73
11	Repair	Pink	LP PPBPS	75
12	Repair	Red	LP PPBPS	56
				Total System: 500'.
				Total Repair: 345'

Note: Keep necessary setbacks to foundation drains if used
Tank locations and distribution devices can be altered at ICHD's discretion
Expands existing 3 bedroom system to 5 bedrooms
System lines slightly off contour to match existing lines
Remove existing tank to upgrade to larger size

Department of Environment, Health, and Natural Resources
Division of Environmental Health
On-site Wastewater Section

Sheet:
Property ID:
Lot #: 17
File #:
AppID:

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

Owner: David Bellafaire
Address: 484 McKendree
Proposed Facility: SFR Design Flow (.1949) 600
Location of Site: 484 McKendree

Applicant:
Date Evaluated: 11-16-15
Property Size: 1.58
Property Recorded: 2001

Water Supply: [ ] Public [ ] Individual [X] Well [ ] Spring [ ] Other
Evaluation Method: [X] Auger Boring [ ] Pit [ ] Cut
Type of Wastewater: [X] Sewage [ ] Industrial Process [ ] Mixed

Approved MS 12/17/15

PROFILE #	.1940 Landscape Position/ Slope%	Horizon Depth (IN.)	SOIL MORPHOLOGY .1941 .1941 Structure/ Texture	.1941 Consistence Mineralogy	b PROFILE FACTORS .1942 Soil Wetness/ Color	.1943 Soil Depth (IN.)	.1956 Sapro Class	.1944 Restr Horiz	Profile Class & LTAR
1	L ~3-5%	0-10	Mo GR SCL	FR SS/SP	RBr				0.3
		10-33	Mo SBK C	↓	R				
		33-46	Mo SBK CL	↓	R; F Sap				
		46"	AR						
2	L	0-14	MO GR SCL	FR SS/SP	R; Br				0.3
		14-29	Mo SBK C	↓	R				
		29-52	WK SBK CL	↓	R; F/C Sap				
3	L	0-30	Mo SBK C	FR SS/SP	R				0.3
		30-50	WK SBK CL	↓	R; C Sap				
		50-54	MA L Sap	↓	R				
4	L	0-24	Mo SBK C	FR SS/SP	R				0.3
		24-48	WK SBK CL	↓	R; F Sap				

Description	Initial System	Repair System
Available Space (.1945)		
System Type(s)	25% Red	LPP RBRS
Site LTAR	0.3	0.3

Other Factors (.1946):
Soil Evaluation By: KMS
Others Present: EH
Site Classification (.1948): RS
Site Evaluation By: KMS
Others Present: