Cedars Edge Lot 2 Fast Track Septic System Information

Number of Bedrooms	4
Basement or Crawl	**Crawl Space**
Design Flow (gpd)	480
LTAR (gpd/ft2)	0.25
Primary System Type	**LP PPBPS**
No. Lines	3 (See Table)
Total Linear Feet	320
Trench Width	2' min.
Trench Spacing	8' min.
Trench Depth (low side)	36"
Pump Required	Yes
Distribution Device	Gate Valve Box w/ LPP Distribution
Maintenance Agreement Required	Yes
Length and Diameter of Supply Pipe	100' of 2" SCH 40 PVC
Size of laterals	1 1/4" SCH 40 PVC
Flow Rate through the system	36 gpm
Elevation head	Approx. 6.0'
Pressure head	3.0'
Friction head	2.2'
20% Contingency	2.2'
Total Head	13.4'
Pump Requirements	36 gpm @ 13.4' of head To be designed by installer.
Maximum Dosing Volume	259.2 gal -2.2 doses/day @ design flow*
Volume of water pumped per dose	Calculated to specific tank by measure or dealer engineering specifications (1 cubic ft. of water equals 7.48 gal.)
Pump Run per dose	approx. 7.2 min.
Check Valve	No
Siphon Break hole	Yes
Repair System	**LP PPBPS**
Total Linear Feet	328
Repair LTAR	0.25

***Before placement of cap block, one panel on each line near the center of the field should be observed filling to make certain that it does not overflow top chamber into air chambers of panel. If overflow occurs, reduce floats by 25 gallons and reset until no overflow is observed.**

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Table 1: Summary of Primary and Repair Nitrification Line Specifications

Line No.	Use	Line Color	System Type	Line Length (Ft.)	Rod Reading Elev. (Ft.)	Panels	Holes	Hole Spacing	Hole Size (In.)
1	Repair	Red	LPPPBPS	27					
2	Repair	Orange	LPPPBPS	43	2.5				
3	Repair	Pink	LPPPBPS	62					
4	System	Red	LPPPBPS	80 centerfed		18	18	1 per panel	5/32"
5	System	Orange	LPPPBPS	120 centerfed		27	27	1 per panel	5/32"
6	System	Pink	LPPPBPS	120 centerfed		27	27	1 per panel	5/32"
7	Repair	Red	LPPPBPS	105					
8	Repair	Blue	LPPPBPS	65					
9	Repair	Orange	LPPPBPS	26	8.2				
						Total: 72	Total: 72 (1 in each panel turned up)		
				Total System: 320'					
				Total Repair: 328'					

Tank	pink	1000 gal (2 compartment)	
Pump Tank	pink	1000 gal.	2.1
House	Blue		1.9

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Note: **Soil information accurate for location of auger borings only. Due to the variable nature of soils, soil features may exist that were not found during the evaluation. All Rod Readings should be verified by installer prior to installation of system**

On-Site Wastewater Section

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

Lot #: 2
File #:
AppID: # 4648434069

Owner: Oscar Koehler
Address: 167 Maple View Dr Troutman 28166
Applicant: Same
Proposed Facility: SFR
Design Flow (.1949) 480
Date Evaluated: 6/27/14
Location of Site: Lot 2 Jess ct (Cedars Edge S/D)
Property Size: 0.57 Ac
Property Recorded:

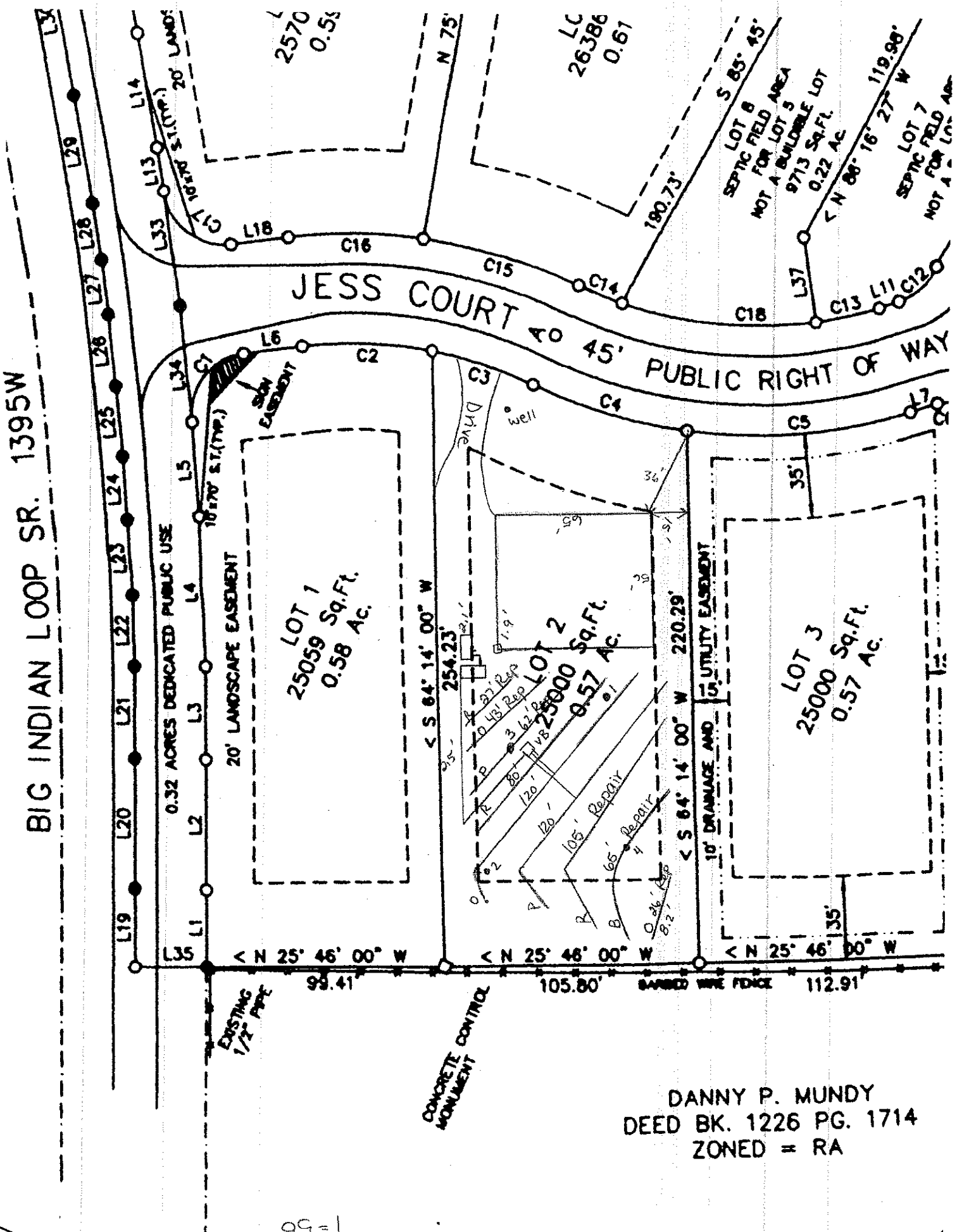
Water Supply: [ ] Public [ ] Individual [X] Well [ ] Spring [ ] Other
Evaluation Method: [X] Auger Boring [ ] Pit [ ] Cut
Type of Wastewater: [X] Sewage [ ] Industrial Process [ ] Mixed

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	0-4	MoGRSCL	FR SS/SP	R Br				0.275
		4-21	MoSBKC		Red				
		21-30	WKABKC		Red; F yel Br				
		30-48	MoSBKC	↓	Red; F Sap				
2	L	0-6	MoGRSCL	FR SS/SP	R Br				0.25
		6-42	MoSBKC	↓	Red; C Mn				
		42-50	WKSBKC		Red; F yel Br				
3	L	0-32	WKSBKSCL	FR SS/SP	Br Red				0.25
		32-59	MoSBKC	FR SS/SP	Red; C yel Br				
4	L	0-12	WKSBKSCL	FR SS/SP	Br Red				0.25
		12-27	MoSBKC	FR SS/SP	Red				
		27-48	MoSBKC	FR SS/SP	Red; C yel Br	to 46"			

Description	Initial System	Repair System
Available Space (.1945)		
System Type(s)	LP PPBPS	LP PPBPS
Site LTAR	0.25	0.25

Other Factors (.1946): Remove Berms
Soil Evaluation By: KMS
Others Present: O.K.
Site Classification (.1948): PS
Site Evaluation By: KMS
Others Present:

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DANNY P. MUNDY
DEED BK. 1226 PG. 1714
ZONED = RA

1" = 50'