

James E. Manhart

From: Alex Adams <alexadams@bcsoil.com>
Sent: Monday, August 05, 2013 8:47 AM
To: James E. Manhart
Subject: Celey's Plumbing Lot
Attachments: Lot Specs.pdf; Preliminary Lot Design.pdf

Jim,

I put together a preliminary design proposal for the church purchasing the Celey's plumbing property.

I figured a 230 seat church with a kitchen at 5 gallons per seat = 1150 gallons/day.

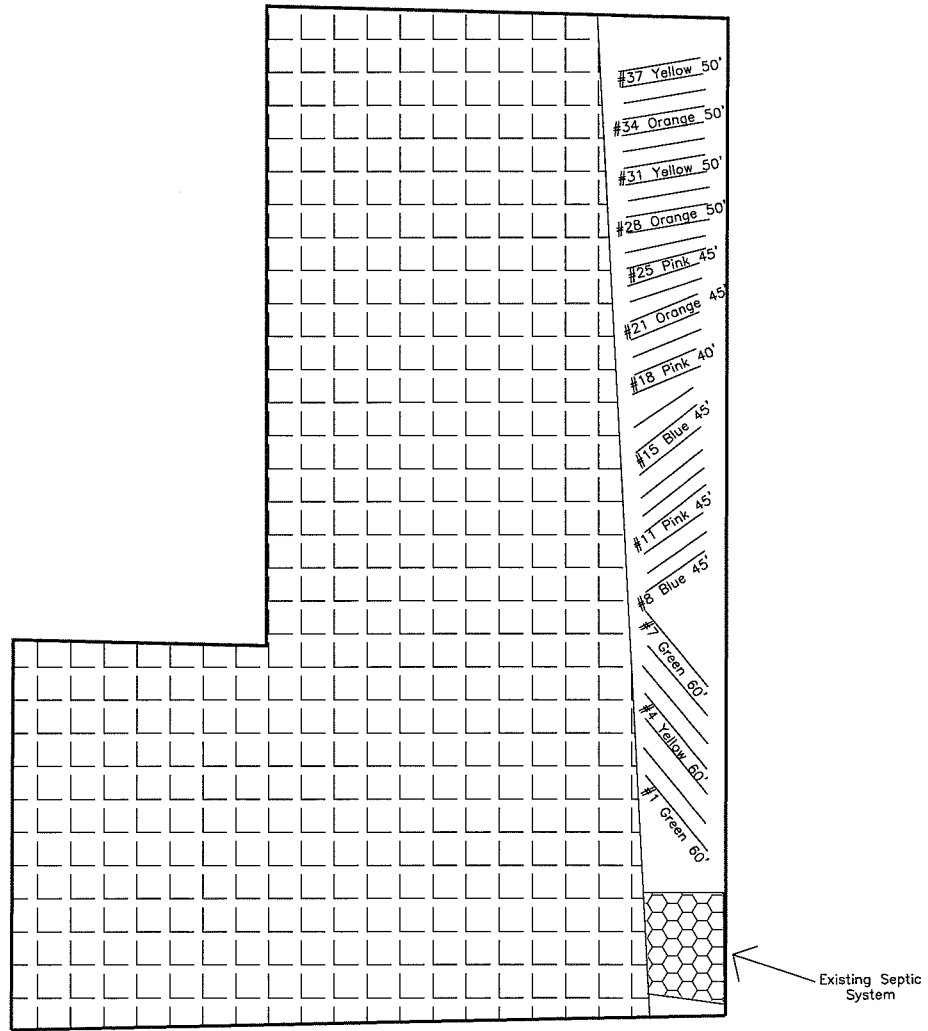
If you can take a look at my proposal and suggest a soil LTAR I will work on putting together a more complete design proposal. I'm suggesting a soil LTAR a little higher than 0.3, but let me know what you think and I'll adjust my proposal. The attached proposal does not include using any of the existing system, but I may need to include that system with a LTAR of 0.3.

I realize we will also need to spec. a larger tanks as well.

Thanks and if you have any questions please give me a call (919-414-6761),

Alex

Celey's Quality Plumbing Site
Future Church Site
8991 HWY 27
Coats, NC Harnett County



*Not a Survey
Sketched from Harnett
County GIS Data

GRAPHIC SCALE
1" = 75'



Adams
Soil Consulting
919-414-6761
Project #169

**Celey's Plumbing
Comercial Lot**

Church (1150 gal./day)

<u>LINE #</u>	<u>COLOR</u>	<u>BS</u>	<u>HI</u>	<u>FS</u>	<u>ELEVATION</u>	<u>LINE LENGTH</u>	<u>Design Length</u>
TBM		3.0		100.0		<u>in field</u>	<u>installation</u>
INST. 1			103.0				
1	Green			5.4	97.6	60	60
2	Blue			5.3	97.7	62	60
3	Red			5.1	97.9	63	60
4	Yellow			4.9	98.1	68	60
5	Pink			4.8	98.2	67	60
6	White			4.3	98.7	55	55
7	Green			4.3	98.7	61	60
8	Blue			4.5	98.5	45	45
9	Red			4.6	98.4	45	45
10	Yellow			4.1	98.9	45	45
11	Pink			5.4	97.6	45	45
12	White			5.6	97.4	45	45
13	Green			6	97	45	45
14	Orange			6.4	96.6	45	45
15	Blue			6.8	96.2	45	45
16	Red			7.2	95.8	43	40
17	Yellow			7.5	95.5	43	40
18	Pink			8	95	43	40
19	White			8.4	94.6	45	45
20	Green			8.9	94.1	45	45
21	Orange			9.3	93.7	47	45
22	Blue			9.8	93.2	47	45
23	Red			10.4	92.6	45	45
24	Yellow			10.9	92.1	47	45
25	Pink			11.3	91.7	48	45
26	White			12.0	91	50	50
27	Green			12.5	90.5	50	50
28	Orange			13.2	89.8	50	50
29	Blue			13.7	89.3	50	50
30	Red			14.2	88.8	51	50
31	Yellow			14.8	88.2	53	50
32	Pink			15.0	88	53	50
33	Green			15.4	87.6	53	50
34	Orange			15.8	87.2	52	50
35	Blue			16.2	86.8	51	50
36	Red			16.5	86.5	51	50
37	Yellow			17.0	86	50	50
				Total		1863	1810

	<u>System</u>	<u>Repair</u>
	Lines 1-17	Lines 7-11
System Type	Accepted Status System	Accepted Status Sys
	EZ-FLOW	EZ-FLOW
Suggested Soil LTAR	0.325	0.325
(gal./day/ft ²)		
Total Line Length	895	915
Square Footage	2685	2745
Proposed Trench Bottom	18"	18"
Distribution Method	Pressure Manifold	Pressure Manifol