The Farms Lot 370 Fast Track System Information

Keith Westphal, S&ME Job No. 1584-12-106

Number of Bedrooms	**4**
Basement or Crawl	**Crawl**
Design Flow (gpd)	**480**
Primary System LTAR (gpd/ft2)	**0.3**
Primary System Type	**25% Reduction**
No. Lines	5 (See Table)
Total Linear Feet	400
Trench Width	3' min.
Trench Spacing	9' min.
Pump Required	Yes
Distribution Device	Pressure Manifold
Maintenance Agreement Required	No
Length and Diameter of Supply Pipe	~1170' of 3" SCH 40 PVC
Flow Rate through the system	27.5 gpm
Elevation head	*Approx. 28'
Pressure head	2.0'
Friction head	Approx. 4'
20% Contingency	3.4'
Total Head	37.4'
Pump Requirements	27.5 gpm @ 38' of head ***To be designed by installer.**
Maximum Dosing Volume	240 gal - 2.0 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. 8.7 min.
Check Valve	Yes
Siphon Break hole	Yes
Repair System	**LP PPBPS / 25 %**
Total Linear Feet	482' shown
Repair Loading Rate	0.3

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Table: Summary of Primary Nitrification Lines

Line No.	Use	Line Color	System Type	Line Length (Ft.)	Rod Reading (Ft.)
1	System	Blue	25% Reduction	80	4.5 (*elev. approx. 803')
2	System	Red	25% Reduction	80	4.8
3	System	White	25% Reduction	80	5
4	System	Blue	25% Reduction	80	5.4
5	System	Red	25% Reduction	80	6.6
				Total System: 400'	

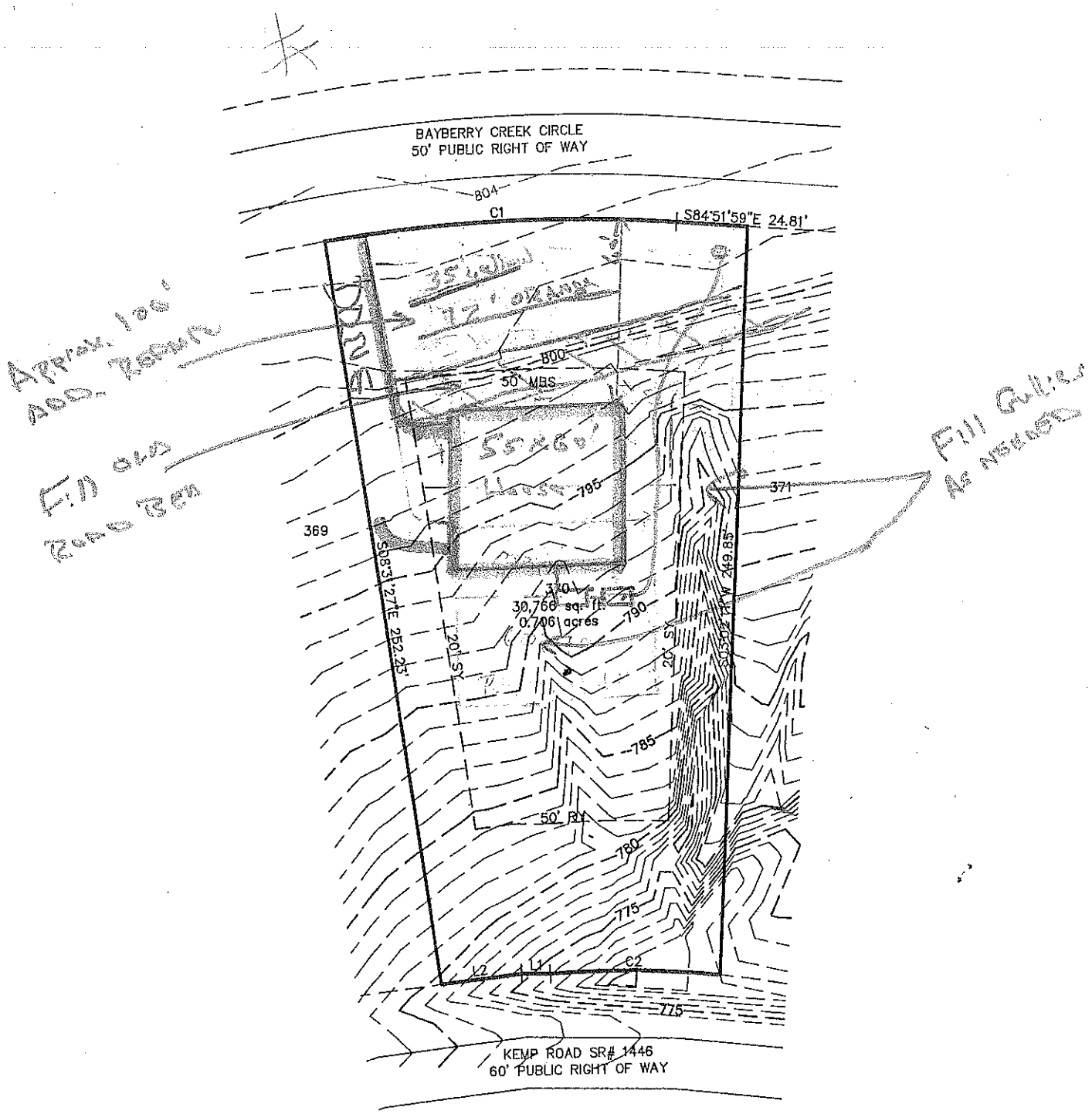
Tank	white	1500 gal (2 compartment)	*Elevation (ft)
Pump Tank	white	1000 gal.	790.0
House		Left Rear Corner	792.0

Manifold Information	
Tap Size (In.)	1/2
Tap Material	SCH 80 PVC
No. Taps	4
Barrel Size (In.)	4
Barrel Material	SCH 80 PVC
Flow (gpm)/Tap	5.5

NOTES:

***Approximate elevations taken from topo map only & must be verified by installer or surveyor at installation and final tank placement.**

C2	317.09'	58.89'	N88°19'23"W	58.80'	10°38'27"



LEGEND
R/W=RIGHT--OF--WAY
SSRW = SEWER R/W
MBS = MINIMUM BUILDING SETBACK
S.Y. = SIDE YARD
R.Y. = REAR YARD
PDE = PUBLIC DRAINAGE EASEMENT
FPE = FLOOD PROTECTION ELEVATION
PSDE =PERMANENT STORM DRAINAGE EASEMENT

= RED MAPLE "AUTUMN FLAME"

STREET TREES TO BE PLANTED
OUTSIDE OF R/W

THE FARMS PHASE 3 LOT # 370

BAYBERRY CREEK CIRCLE

0.706 ACRE 30,766 (SF)

WOODED

1"=50'

06/15/04

FM3NR370

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BAR SCALE 1"=50'
0 25 50 100