

## Design Data

Peak Flow: 1 to 2 bedroom x 15 Trailers @ 300 g=4500 GPD  
All 3 perk holes are Gravel Soil 0" to 72", Maximum Perc. 1" / 5 Min.  
Ground water approximately 10' to 15' below surface. Existing 1800  
gallon tank to be pumped and removed, Place a 1250 / 550 Pump  
Tank in line, then Place two 3100 Two Compartment Concrete Septic  
tanks both tanks to act as Primary Treatment.

Secondary Treatment via Absorption Field.  
Field Sized - 15 Trailers @ 300 gpd  
@ a total of 4500 GPD

Tile Field Absorption:  
Use Equalizer Chamber System,  
16 Trenches 24" Wide x 60' Long, raked trench bottom and sides,  
Distributor pipe are to be 4" perforated PVC, at center of each trench.  
Back fill with a minimum of 12" of compacted cover over chamber.  
The ground surface is to be graded to prevent storm water runoff  
from flowing onto absorption trench area.

Piping:  
Piping from the home and between the treatment unit is to be solid 4"  
PVC, DR35. All piping is to be placed at a minimum slope of 2% ( $\frac{1}{4}$ " /  
LF) in a bed of Sand, with a minimum of 4" on all sides. All Distributor  
pipes are to be 4" perforated PVC laid at a slope of  $\frac{1}{16}$ " to  $\frac{1}{32}$ " per  
linear foot. All clean outs are to be vented. A trap and clean out is to  
be provided.

Design Professional to certify Completion In Accordance w/ECHD  
Approved Design.

*Sanitary Disposal Sytem*  
*Don Nuwer*  
*8114 State Road (Rte. 240)*  
*Town of Colden*  
*Erie County, New York*  
*Feburary, 2014*



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1" = 40'

An aerial photograph of a residential neighborhood with a technical diagram overlaid. The diagram illustrates a water distribution or collection system. Key features include:

- A central horizontal pipe labeled "ON OWN SYSTEM".
- A vertical pipe on the left labeled "ON OWN SYSTEM" and another on the right labeled "ON OWN SYSTEM".
- A horizontal pipe at the bottom labeled "85% to Property Line".
- A vertical pipe on the far left labeled "100% to Creek Bank".
- A series of parallel lines representing a field or garden.
- A pump station labeled "Pump Station" with two pumps.
- A tank labeled "Existing Tank" with a capacity of "1000 G".
- A pipe labeled "To be Removed" connecting the existing tank to a new section.
- A new pipe section labeled "New 12\"/>

The diagram shows a complex network of pipes and tanks. A main horizontal pipe runs across the middle, with several vertical branches. On the left, a vertical pipe is labeled "ON OWN SYSTEM". Below it, a horizontal pipe is labeled "85% to Property Line". To the right of the main horizontal pipe, there's a vertical pipe also labeled "ON OWN SYSTEM". Further right, a horizontal pipe is labeled "100% to Creek Bank". In the center-right, there's a pump station labeled "Pump Station" with two pumps. Below the pump station, there's a tank labeled "Existing Tank" with a capacity of "1000 G". A pipe labeled "To be Removed" connects this tank to a new section of pipe. This new section is labeled "New 12\"/>



Absorption  
Field  
"B"

100.00'

10.00'



4.00'

Deep Perk  
Hole

2.00'

Absorption  
Field  
"A"

D Box

1250 / 550  
Pump Tank  
Gould 3872  
Pump

D Box

1250 / 550  
Pump Tank  
Gould 3872  
Pump

Zabel  
A-100  
Filter

New 3100  
G. Tank

New 3100  
G. Tank

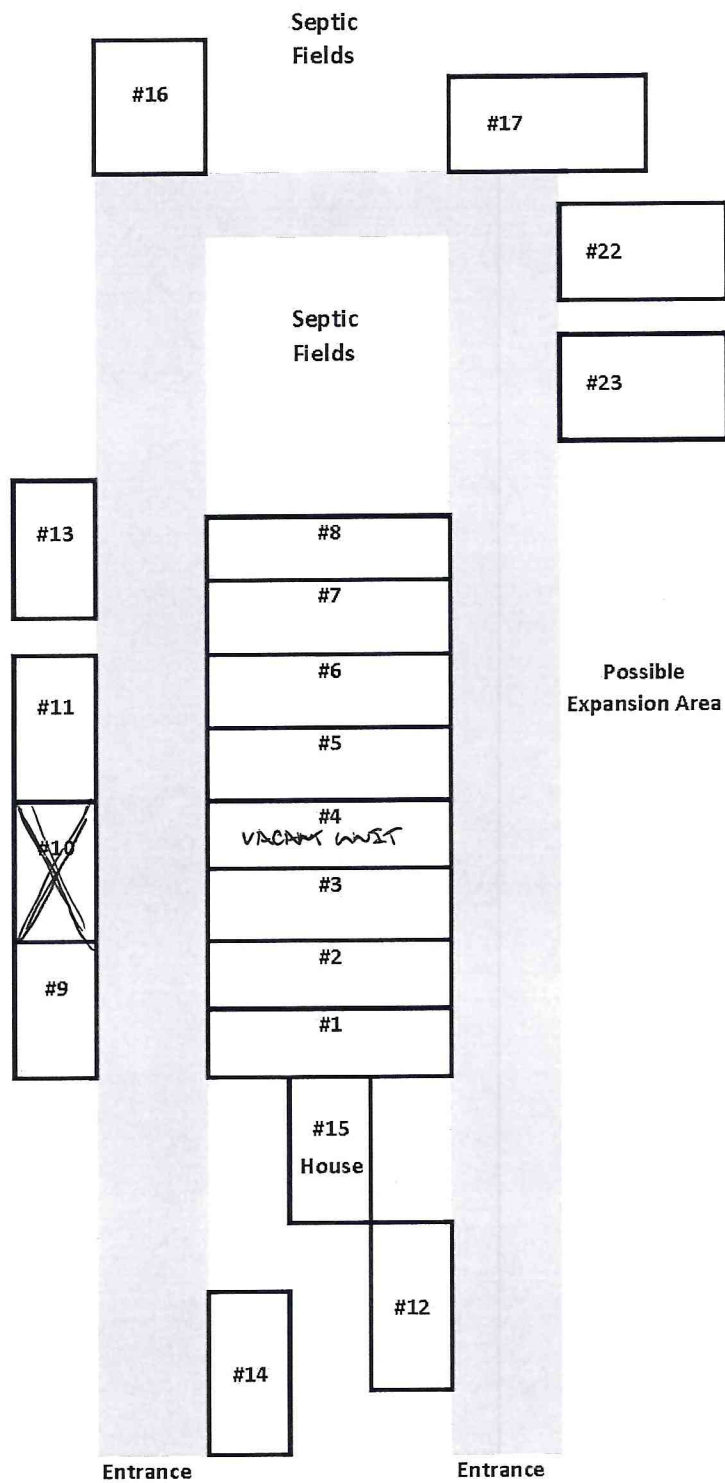
Connect to  
existing line

Existing  
1800 G.  
Tank  
To be  
Removed

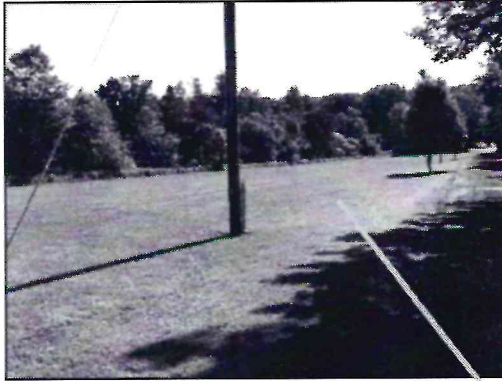
# Absorption Field

Note: No wells in this area, public water system.

# Community Layout



# Aerial View



Possible Area for Expansion



Septic Tanks and Field

