

A/P 973

7' brown L

orange brown  
cl m

4' brown  
sl sg  
micaceous

5' brown  
ls sg  
micaceous  
trace rock

12' 974

10' brown L

yellow brown  
sl sg  
micaceous

28' brown  
ls sg  
micaceous

10-15%  
decomposing  
rock/gravel

12' 975

brown L

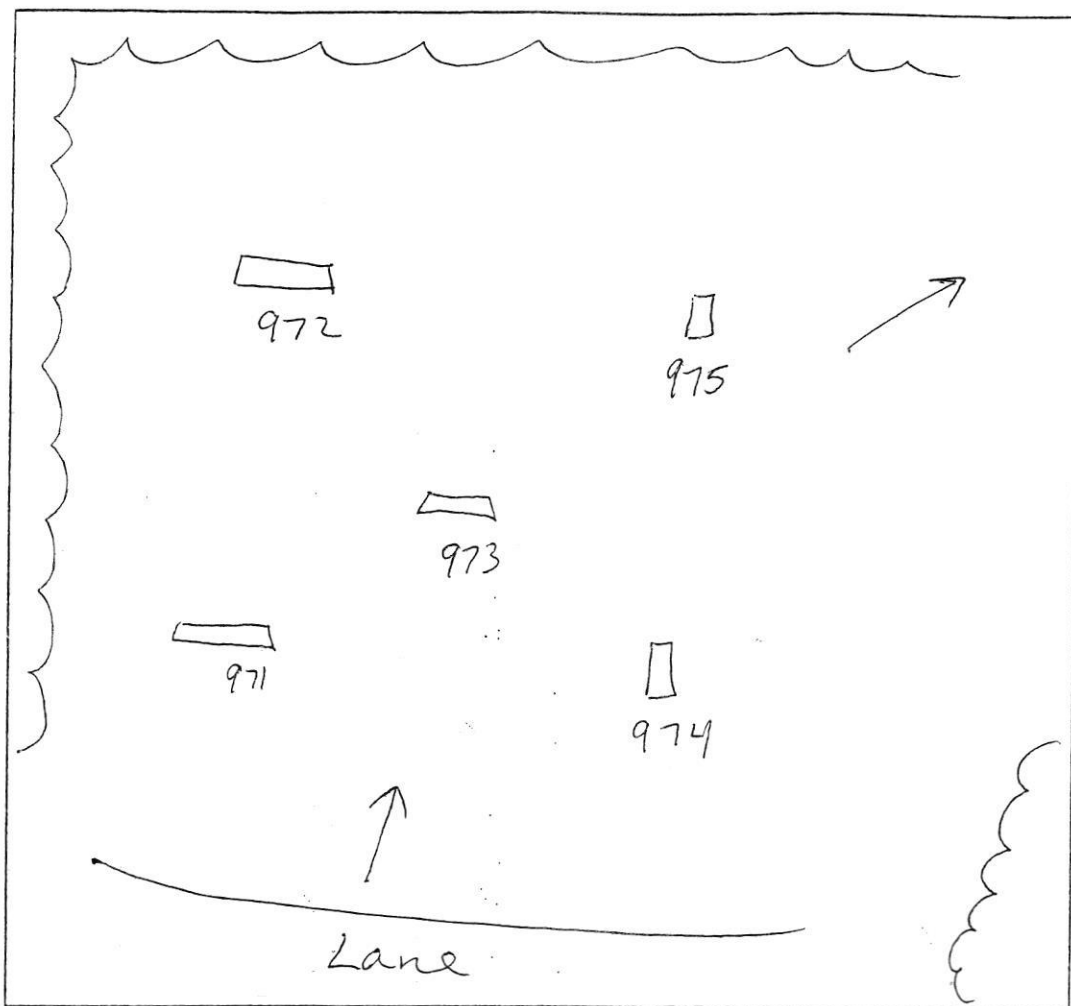
yellow brown  
s:cl  
micaceous

3' white decomposing  
rock

5'3" orange brown  
s:cl sg  
very micaceous

7'

3' white decomposing  
rock w/ cobbles 5%



972

brown L

Orange brown  
s:cl  
bk s:cl  
micaceous

26' yellow brown  
sl sg  
micaceous

4' decomposing  
rock

5' brown  
ls sg

12' micaceous

971

brown L

red brown  
s:cl

7' orange brown  
s:cl

2' red brown  
s:cl

26' orange/yellow  
sl  
loose white decomposing  
rock

36' brown  
fls micaceous

13'

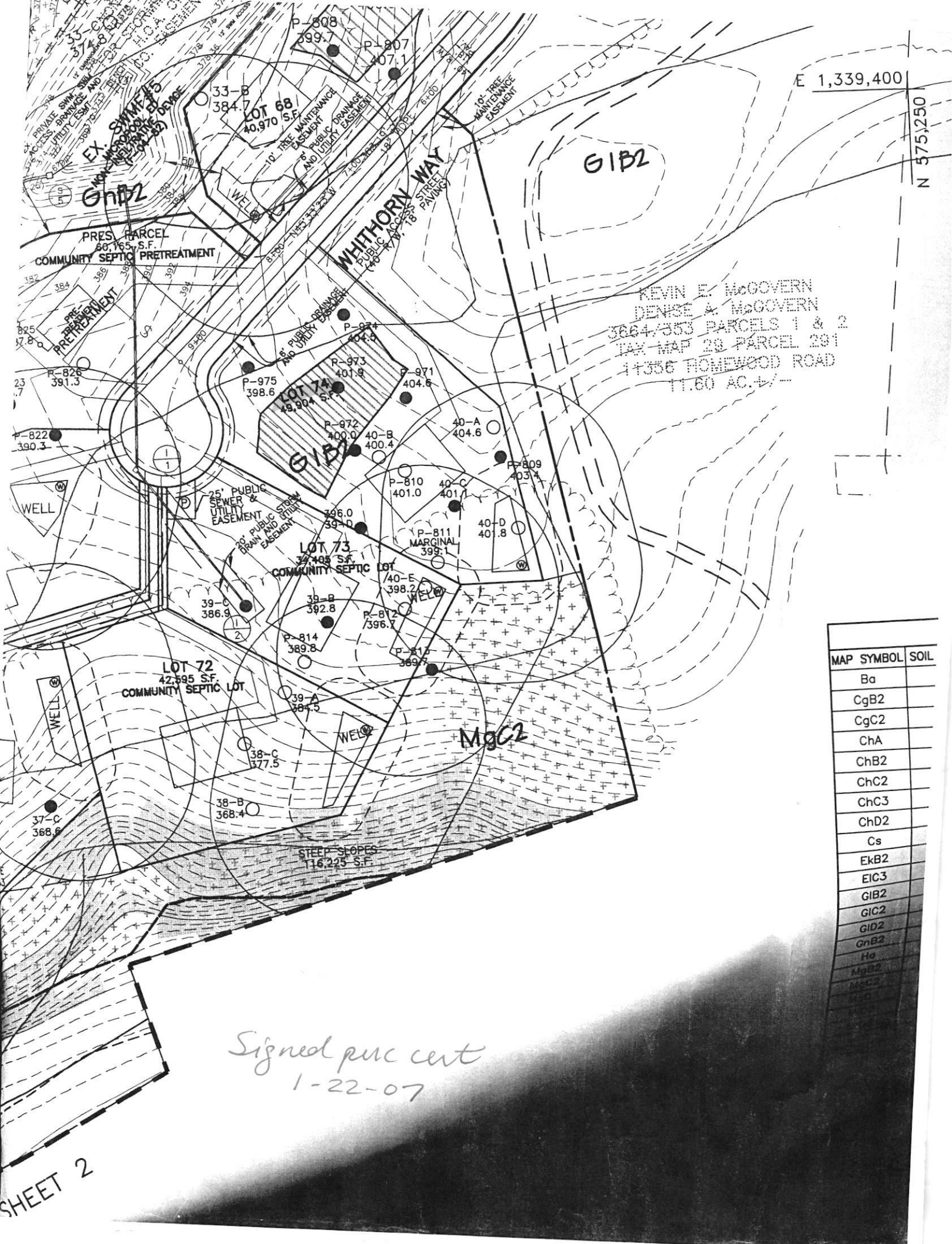
| DATE     | TEST # | DEPTH      | START              | BREAK<br>1" DROP   | STOP<br>2" DROP    | TIME OF<br>2nd INCH | P/F/H |
|----------|--------|------------|--------------------|--------------------|--------------------|---------------------|-------|
| 10/13/05 | 974    | 5' / 12'   | 2:01 <sup>29</sup> | 2:03 <sup>09</sup> | 2:05 <sup>12</sup> | 2                   | P     |
|          | 975    | 7' / 13'   | 2:17 <sup>14</sup> | 2:18 <sup>46</sup> | 2:20 <sup>44</sup> | 2                   | P     |
|          | 972    | 6' / 12'   | 2:24 <sup>17</sup> | 2:25 <sup>04</sup> | 2:25 <sup>35</sup> | -                   | -     |
|          |        |            | 2:26 <sup>48</sup> | 2:27 <sup>45</sup> | 2:29 <sup>60</sup> | -                   | -     |
|          |        |            | 2:31 <sup>21</sup> | 2:32 <sup>47</sup> | 2:34 <sup>58</sup> | 2                   | P     |
|          | 971    | 5'5" / 13' | 2:39 <sup>19</sup> | 2:41 <sup>12</sup> | 2:43 <sup>41</sup> | 2                   | P     |
|          | 973    | 5' / 12'   | 2:49 <sup>44</sup> | 2:51 <sup>13</sup> | 2:53 <sup>16</sup> | 2                   | P     |
|          |        |            |                    |                    |                    |                     |       |
|          |        |            |                    |                    |                    |                     |       |

REMARKS In a meadow

SANITARIAN SF BACKHOE Mike J (AEC) OTHERS Rob Sheesky

TEST HOLES USED IN SDA \_\_\_\_\_ AVG. PERC TIME 2 SQ. FT/BR \_\_\_\_\_

TRENCH WIDTH \_\_\_\_\_ INLET DEPTH \_\_\_\_\_ MAX. BOT DEPTH \_\_\_\_\_ EFFECTIVE S/W \_\_\_\_\_

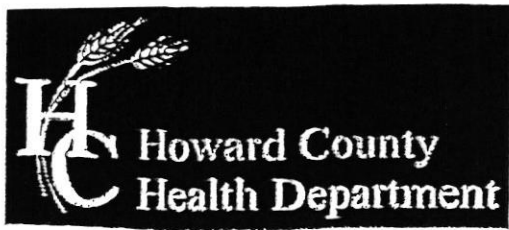


E 1,339,400  
N 575,250

KEVIN E. McGOVERN  
DENISE A. McGOVERN  
3664/353 PARCELS 1 & 2  
TAX MAP 28 PARCEL 291  
11356 HOMEWOOD ROAD  
11.60 AC. +/-

| MAP SYMBOL | SOIL |
|------------|------|
| Ba         |      |
| CgB2       |      |
| CgC2       |      |
| ChA        |      |
| ChB2       |      |
| ChC2       |      |
| ChC3       |      |
| ChD2       |      |
| Cs         |      |
| EkB2       |      |
| EIC3       |      |
| GIB2       |      |
| GIC2       |      |
| GID2       |      |
| GnB2       |      |
| Ha         |      |
| MgB2       |      |
| MgC2       |      |
| MgD2       |      |
| MgE2       |      |
| MgF2       |      |
| MgG2       |      |
| MgH2       |      |
| MgI2       |      |
| MgJ2       |      |
| MgK2       |      |
| MgL2       |      |
| MgM2       |      |
| MgN2       |      |
| MgO2       |      |
| MgP2       |      |
| MgQ2       |      |
| MgR2       |      |
| MgS2       |      |
| MgT2       |      |
| MgU2       |      |
| MgV2       |      |
| MgW2       |      |
| MgX2       |      |
| MgY2       |      |
| MgZ2       |      |

Signed puc cert  
1-22-07



## Bureau of Environmental Health

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Maura J. Rossman, M.D., Health Officer

### SEWAGE DISPOSAL SYSTEM SPECIFICATIONS WORKSHEET

Address: 11225 Whithorn Way

Subdivision: Riverwood II Lot: 74

Initial system: Application rate: 1.2 Effective area beginning depth: 3 Bottom maximum depth: 7  
1<sup>st</sup> Replacement: Application rate: 1.2 Effective area beginning depth: 4 Bottom maximum depth: 5.5  
2<sup>nd</sup> Replacement: Application rate: 1.2 Effective area beginning depth: 4.5 Bottom maximum depth: 5.5

Design Flow = 150 gallons per day per bedroom

Design flow ÷ application rate = square footage of drainfield required

Linear length of trench required = drainfield square footage x sidewall reduction percentage ÷ trench width

Sidewall reduction credit formula:

$\frac{W + 2}{W + 1 + 2D} \times 100 =$  Percent of length of standard trench where W=trench width and D= depth between effective area beginning depth and trench bottom.

Standard design requirements:

- Trenches must be located to provide room for 3 systems in the disposal area
- All trenches must be equal length unless low pressure dosed
- All trenches must be on contour
- Tank and trenches must be placed as shallow as possible while maintaining 2% fall in pipe from house and at least 18" cover over trenches. If 2% fall from house is not possible, the minimum allowable fall is 1%.
- Minimum trench spacing: 10' for all trenches utilizing sidewall reduction credit. Additional spacing may be necessary for any trench using over 3.5' of effective sidewall. In those cases, the spacing formula is  $2D + W$  up to a maximum spacing of 18'.
- Minimum trench spacing for trenches with no sidewall credit (bottom area only) is 6' for a 2' wide trench and 9' for a 3' wide trench (spacing is measured edge to edge)
- Maximum trench length is 100'
- Maximum pipe depth is 4'

Additional requirements: Due to proximity of Distribution Box to driveway, use Pipe Invert of 3.0' for Initial System.

Approved: R Bricker

Date: 9/17/21