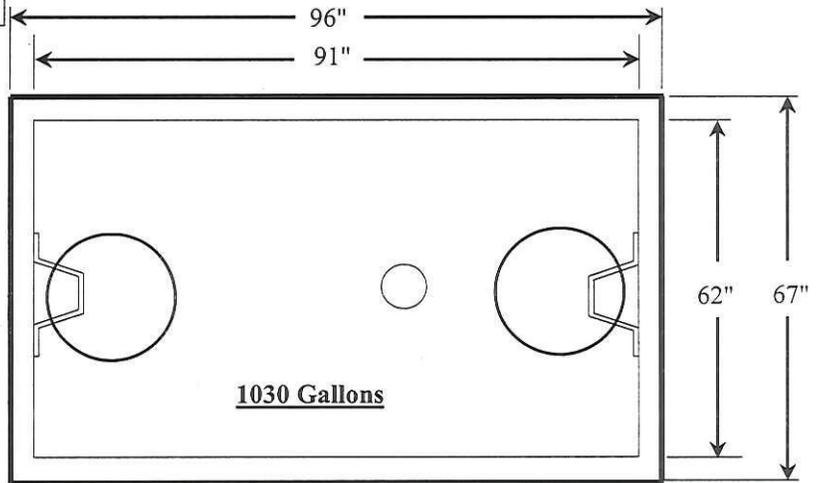
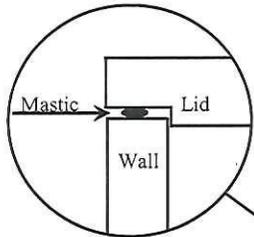


**1000 Gallon  
Single Cmp Septic Tank**

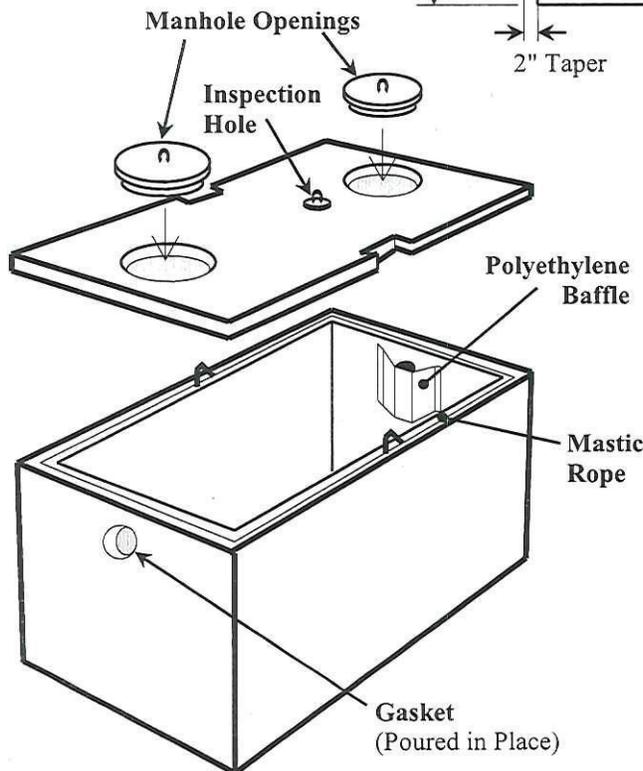
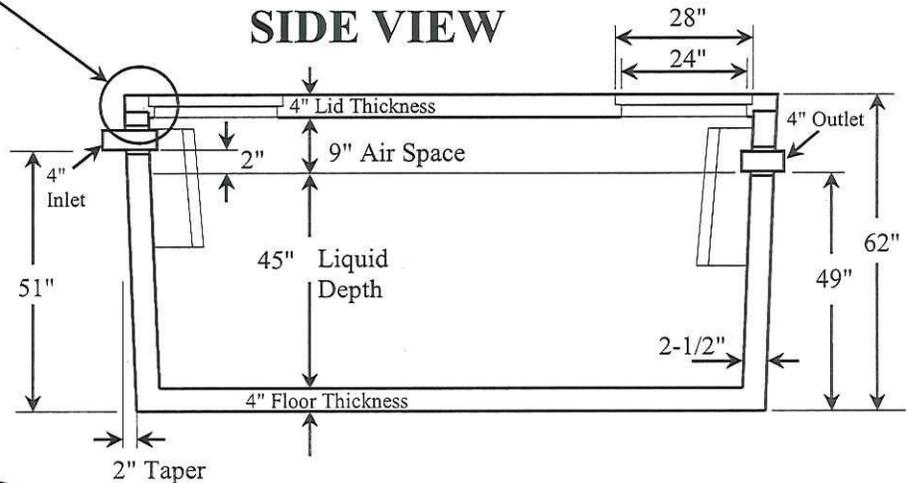
**TOP VIEW**



**Enlarged Detail**



**SIDE VIEW**



*Conditionally*

**APPROVED**

**Francis Melvin Companies**

1022 E Spruce Street  
Abbotsford, WI 54405

715-748-3200

715-748-9258 (fax)

DEPARTMENT OF COMMERCE  
DIVISION OF SAFETY AND BUILDINGS  
*John Jones*  
20050228  
FIELD CORRESPONDENCE

Drawing Approved By: \_\_\_\_\_

Date Approved: \_\_\_\_\_

**20150159**

**1000 Gallon Single Cmp Septic Tank**

Drawing: DZ-1000 Single

Drawing by: JEB Date: 5/27/2008 2:12 PM

**1000 Gallon Single (& 2) Compartment**

\*\*\* Enter Dimensions in Inches \*\*\*

|                            |   |               |
|----------------------------|---|---------------|
| Tank Length = A = 96.00    | (Calc. Based on 1/3 / 2/3)                        | Round off to: |
| Tank Width = B = 67.00     | Lgth of 1st Cmp = 59.33                           | → 59          |
| Tank Height = C = 62.00    | Lgth of 2nd Cmp = 29.67                           | → 30          |
| Wall Thickness = D = 2.50  | *** Except or Override Compartment Dimensions *** |               |
| Lid Thickness = E = 4.00   | Lgth of 1st Cmp. = 59                             |               |
| Floor Thickness = F = 4.00 | Lgth of 2nd Cmp. = 30                             |               |
| Wall Taper = G = 2.00      | <b>Total = 89</b>                                 | → <b>89</b>   |
| Liquid Level = H = 45.00   | <i>(Total must equal this dimension)</i>          |               |
| Distance In/Out = I = 2.00 |   |               |

\*\*\* Air Space \*\*\*

|                          |
|--------------------------|
| Air Space = J = 9.00     |
| % of Air Space = K = 20% |

\*\*\* Lengths & Widths \*\*\*

|                                    |
|------------------------------------|
| Inside Lgth @ Top = L = 91.00      |
| Inside Width @ Top = M = 62.00     |
| Inside Lgth @ Btm = N = 87.00      |
| Inside Width @ Btm = O = 58.00     |
| Inside Lgth of 1st Cmp = P = 59.00 |
| Inside Lgth of 2nd Cmp = Q = 30.00 |
| Lgth @ Btm of 1st Cmp = R = 55.50  |
| Lgth @ Btm of 2nd Cmp = S = 26.50  |
| Width @ Bottom of Tank = T = 63.00 |
| Lgth @ Bottom of Tank = U = 92.00  |

\*\*\* Heights \*\*\*

|                              |
|------------------------------|
| Inside Height = V = 54.00    |
| Inlet Height = W = 51.00     |
| Outlet Height = X = 49.00    |
| Space above Inlet = Y = 3.50 |

\*\*\* Tank Capacities \*\*\*

|                                    |
|------------------------------------|
| Total Gal. - Single Cmp = 1030     |
| Gallons of 1st Comp. = 662         |
| Gallons of 2nd Comp. = 325         |
| Gal. of 1st + 2nd Comp. = 987      |
| Total Gallons (Full to Lid) = 1249 |

\*\*\* Gallons Per Inch \*\*\*

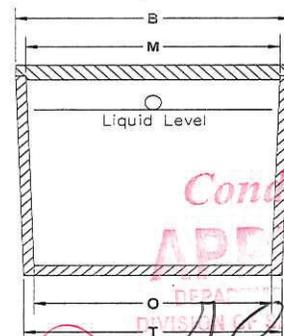
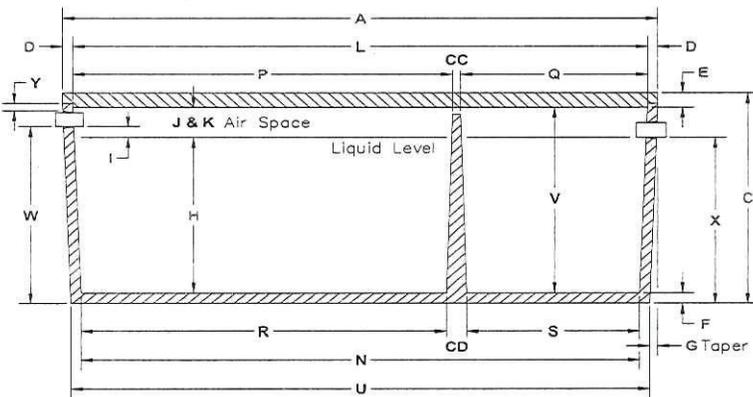
|                         |
|-------------------------|
| Gal/In (Single) = 22.9  |
| Gal/In (1st cmp) = 14.7 |
| Gal/In (2nd cmp) = 7.2  |

\*\*\* Tank Weights \*\*\*

|                                      |               |            |
|--------------------------------------|---------------|------------|
|                                      | 2 Cmp         | Single Cmp |
| Weight of Tank = 6705.3              | 5798.2        |            |
| Weight of Lid = 2164.8               | 2164.8        |            |
| <b>Total Weight of Tank = 8870.1</b> | <b>7963.0</b> |            |

\*\*\* Volume of Concrete \*\*\*

|                                 |             |            |
|---------------------------------|-------------|------------|
|                                 | 2 Cmp       | Single Cmp |
| Tank - Cubic Yards = 1.66       | 1.43        |            |
| Lid - Cubic Yards = 0.55        | 0.55        |            |
| <b>Total Cubic Yards = 2.21</b> | <b>1.98</b> |            |



~~20050202~~

*Conditionally APPROVED*  
 DEPARTMENT OF COMMERCE  
 DIVISION OF SAFETY AND BUILDINGS  
*John A. Jones*  
 SEE CORRESPONDENCE

The Company/Persons named above shall be given written permission upon purchase of the Concrete Form to duplicate

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**Francis Melvin Companies**

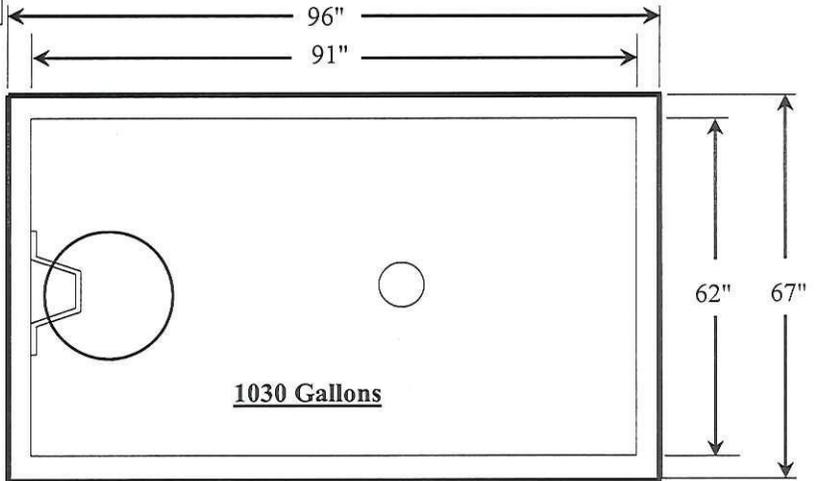
1022 E. Spruce Street, Abbotsford, WI 54405

(715) 748-3200 - Fax (715) 748-9258 - E-Mail to: eric.melvin@TDS.net

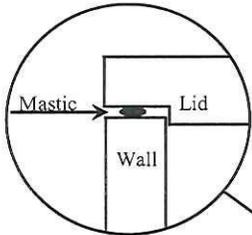
**20150159**

**1000 Gallon  
Single Cmp Holding Tank**

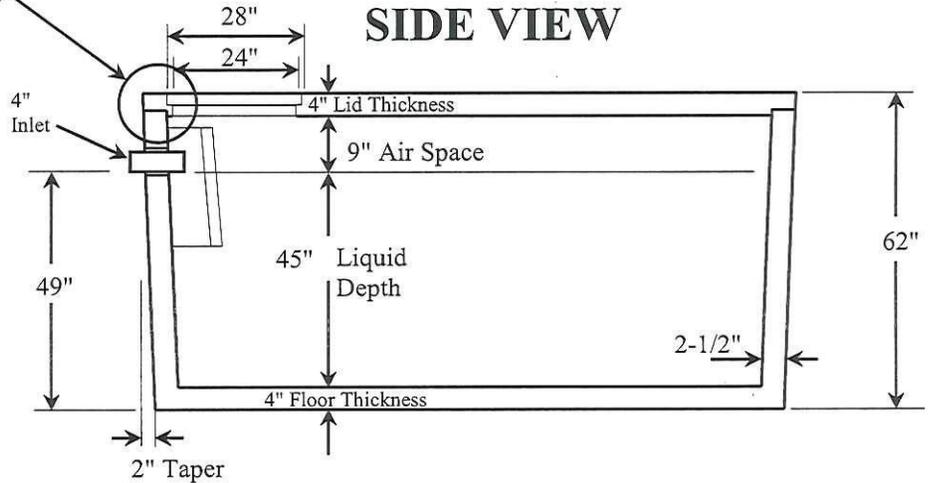
**TOP VIEW**



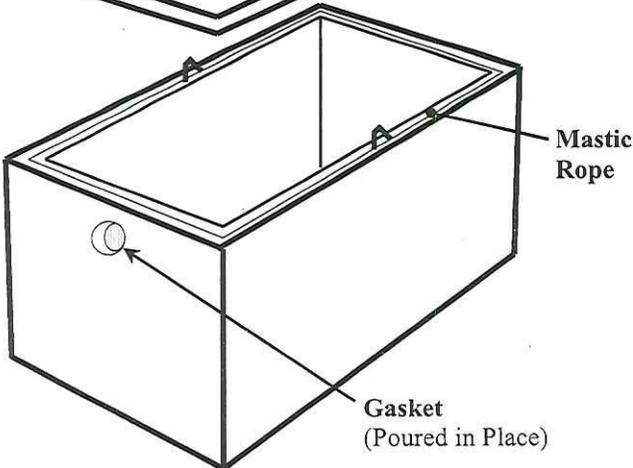
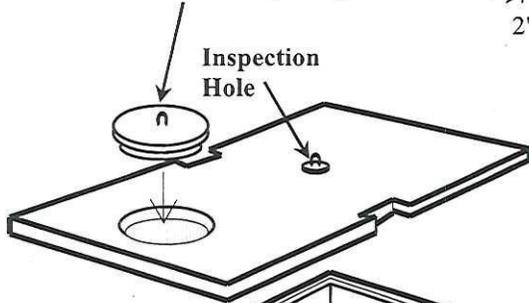
**Enlarged Detail**



**SIDE VIEW**



**Manhole Openings**



*Conditionally*  
**APPROVED**  
DEPARTMENT OF PUBLIC WORKS  
DIVISION OF PERMITS AND BUILDINGS  
*J. Melvin Jones*  
SEE CORRESPONDENCE

**Francis Melvin Companies**  
1022 E Spruce Street  
Abbotsford, WI 54405  
715-748-3200  
715-748-9258 (fax)

Drawing Approved By: \_\_\_\_\_  
Date Approved: \_\_\_\_\_

**1000 Gallon Single Cmp Holding Tank**

Drawing: DZ-1000 Single

Drawing by: JEB Date: 5/27/2008 2:12 PM

~~20050292~~  
**20150159**

**1000 Gallon Holding (& 2) Compartment**

\*\*\* Enter Dimensions in Inches \*\*\*

|                            |   |               |
|----------------------------|---|---------------|
| Tank Length = A = 96.00    | (Calc. Based on 1/3 / 2/3)                        | Round off to: |
| Tank Width = B = 67.00     | Lgth of 1st Cmp = 59.33                           | → 59          |
| Tank Height = C = 62.00    | Lgth of 2nd Cmp = 29.67                           | → 30          |
| Wall Thickness = D = 2.50  | *** Except or Override Compartment Dimensions *** |               |
| Lid Thickness = E = 4.00   | Lgth of 1st Cmp. = 59                             |               |
| Floor Thickness = F = 4.00 | Lgth of 2nd Cmp. = 30                             |               |
| Wall Taper = G = 2.00      | <b>Total = 89</b>                                 | → <b>89</b>   |
| Liquid Level = H = 45.00   | (Total must equal this dimension)                 |               |
| Distance In/Out = I = 0.00 |   |               |

\*\*\* Air Space \*\*\*

|                          |
|--------------------------|
| Air Space = J = 9.00     |
| % of Air Space = K = 20% |

\*\*\* Lengths & Widths \*\*\*

|                                    |
|------------------------------------|
| Inside Lgth @ Top = L = 91.00      |
| Inside Width @ Top = M = 62.00     |
| Inside Lgth @ Btm = N = 87.00      |
| Inside Width @ Btm = O = 58.00     |
| Inside Lgth of 1st Cmp = P = 59.00 |
| Inside Lgth of 2nd Cmp = Q = 30.00 |
| Lgth @ Btm of 1st Cmp = R = 55.50  |
| Lgth @ Btm of 2nd Cmp = S = 26.50  |
| Width @ Bottom of Tank = T = 63.00 |
| Lgth @ Bottom of Tank = U = 92.00  |

\*\*\* Heights \*\*\*

|                              |
|------------------------------|
| Inside Height = V = 54.00    |
| Inlet Height = W = 49.00     |
| Outlet Height = X = 49.00    |
| Space above Inlet = Y = 5.50 |

\*\*\* Tank Capacities \*\*\*

|                                    |
|------------------------------------|
| Total Gal.- Single Cmp = 1030      |
| Gallons of 1st Comp. = 662         |
| Gallons of 2nd Comp. = 325         |
| Gal. of 1st + 2nd Comp. = 987      |
| Total Gallons (Full to Lid) = 1249 |

\*\*\* Gallons Per Inch \*\*\*

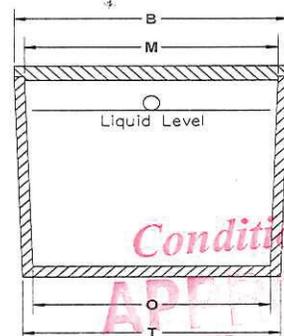
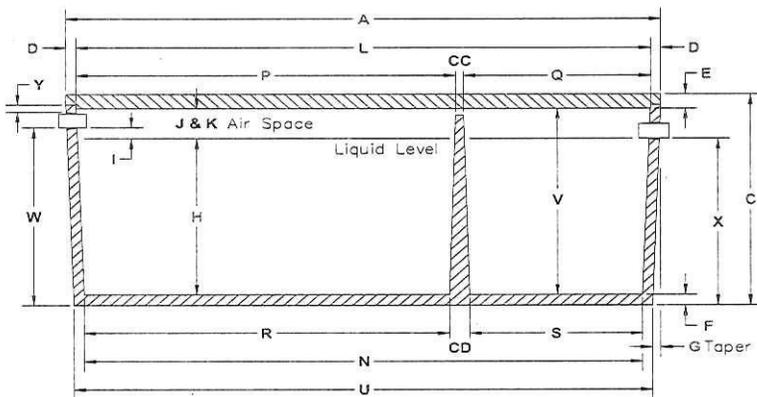
|                         |
|-------------------------|
| Gal/In (Single) = 22.9  |
| Gal/In (1st cmp) = 14.7 |
| Gal/In (2nd cmp) = 7.2  |

\*\*\* Tank Weights \*\*\*

|                                      |               |            |
|--------------------------------------|---------------|------------|
|                                      | 2 Cmp         | Single Cmp |
| Weight of Tank = 6705.3              | 5798.2        |            |
| Weight of Lid = 2164.8               | 2164.8        |            |
| <b>Total Weight of Tank = 8870.1</b> | <b>7963.0</b> |            |

\*\*\* Volume of Concrete \*\*\*

|                                 |             |            |
|---------------------------------|-------------|------------|
|                                 | 2 Cmp       | Single Cmp |
| Tank - Cubic Yards = 1.66       | 1.43        |            |
| Lid - Cubic Yards = 0.55        | 0.55        |            |
| <b>Total Cubic Yards = 2.21</b> | <b>1.98</b> |            |



~~20050202~~

**Conditionally APPROVED**  
 DEPARTMENT OF CONSUMER AFFAIRS  
 DIVISION OF SAFETY AND BUILDINGS  
 Eric Melvin  
 SEE CORRESPONDENCE

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20150159