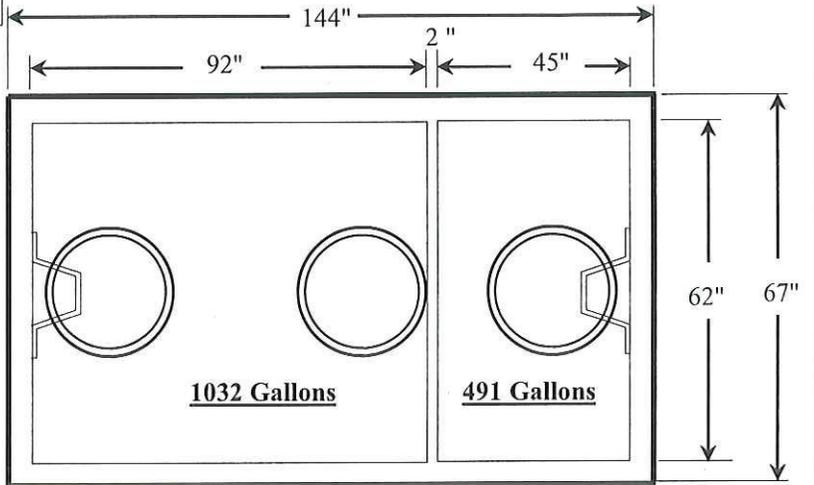
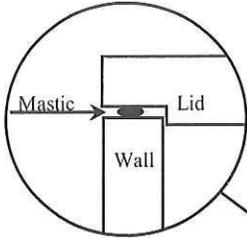


**1500 Gallon
2-Compartment Septic Tank**

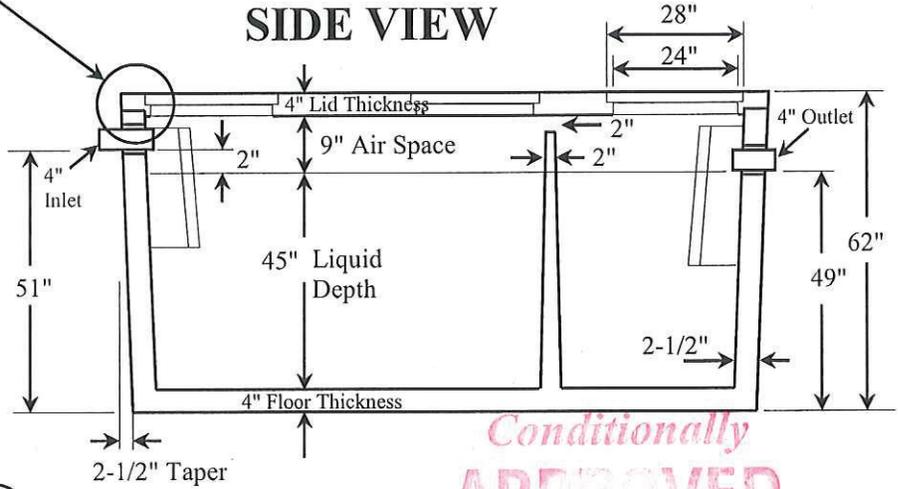
TOP VIEW



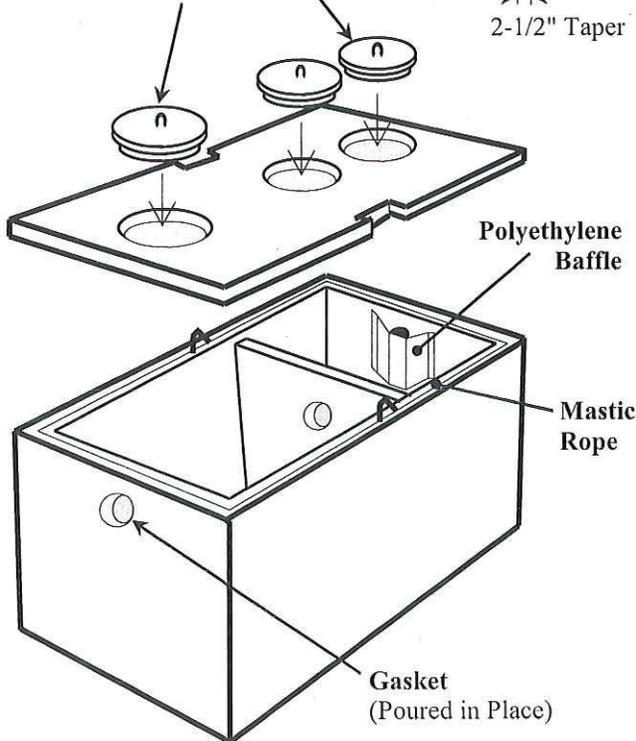
Enlarged Detail



SIDE VIEW



Manhole Openings



Conditionally
APPROVED
DEPARTMENT OF COMMERCE
DIVISION OF SAFETY AND BUILDINGS
John Lee at
SEE CORRESPONDENCE

Francis Melvin Companies

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

~~20050837~~
20150289

Drawing Approved By: _____
Date Approved: _____

1500 Gallon 2-Compartment Septic Tank

Drawing: DZ-1500 2cmp

Drawing by: JEB Date: 5/28/2008 8:02 AM

1500 Gal Single & 2 Cmp Septic Tank

*** Enter Dimensions in Inches ***

Tank Length = A =	144.00	(Calc. Based on 1/3 / 2/3)	Round off to:
Tank Width = B =	67.00	Lgth of 1st Cmp 91.33	91
Tank Height = C =	62.00	Lgth of 2nd Cmp 45.67	46
Wall Thickness = D =	2.50		
Lid Thickness = E =	4.00	*** Except or Override Comp. Dimensions ***	
Floor Thickness = F =	4.00	Lgth of 1st Cmp 92	
Wall Taper = G =	2.50	Lgth of 2nd Cmp 45	
Liquid Level = H =	45.00	Total 137	= 137
Distance In/Out = I =	2.00	(Total must equal this dimension)	

*** Air Space ***

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

*** Length & Widths ***

Inside Lgth @ Top = L =	139.00
Inside Width @ Top = M =	62.00
Inside Length @ Btm = N =	134.00
Inside Width @ Btm = O =	57.00
Inside Lgth of 1st Cmp = P =	92.00
Inside Lgth of 2nd Cmp = Q =	45.00
Lgth @ Btm of 1st Cmp = R =	88.00
Lgth @ Btm of 2nd Cmp = S =	41.00
Width @ Btm of Tank = T =	62.00
Length @ Btm of Tank = U =	139.00

*** 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 =	1565
Gallons of 1st Cmp =	1032
Gallons of 2nd Cmp =	491
Gal. of 1st + 2nd Cmp =	1523
Total Gallons (Full to Lid) =	1899

*** Gallons Per Inch ***

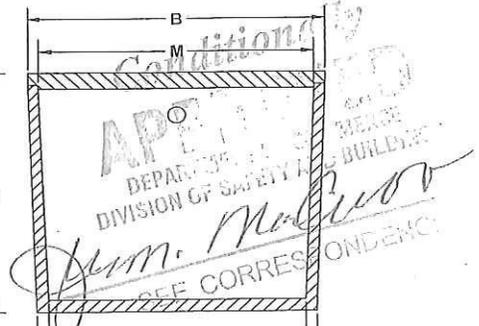
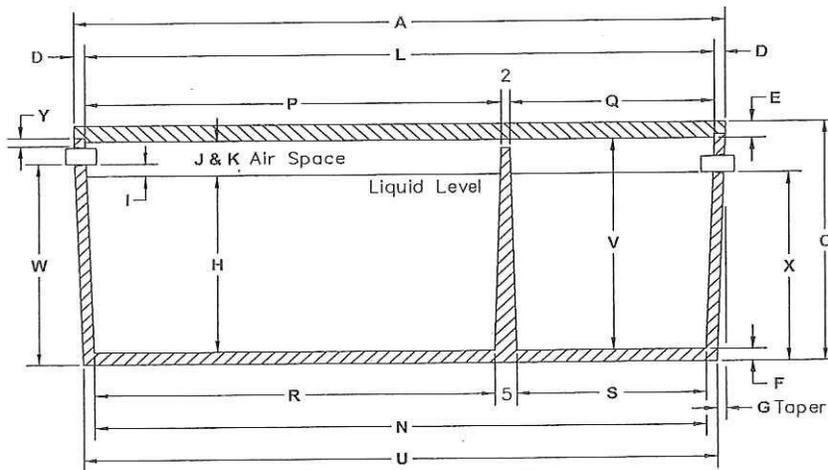
Gal/In (Single) =	34.8
Gal/In (1st cmp) =	22.9
Gal/In (2nd cmp) =	10.9

*** Tank Weights ***

	2 Cmp	Single Cmp
Weight of Tank =	8864.9	7968.1
Weight of Lid =	3260.6	3260.6
Total Weight of Tank =	12125.5	11228.7

*** Volume of Concrete ***

	2 Cmp	Single Cmp
Tank - Cubic Yards =	2.19	1.97
Lid - Cubic Yards =	0.83	0.83
Total Cubic Yards =	3.02	2.79



The Company/Persons named above shall be given written permission upon purchase of the Concrete Form to duplicate and promote sales literature on this septic tank by:

Francis Melvin Companies
 1022 E. Spruce Street, Abbotsford, WI 54405

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

20150289

1500 Gallon Holding (&2) Compartment

*** Enter Dimensions in Inches ***

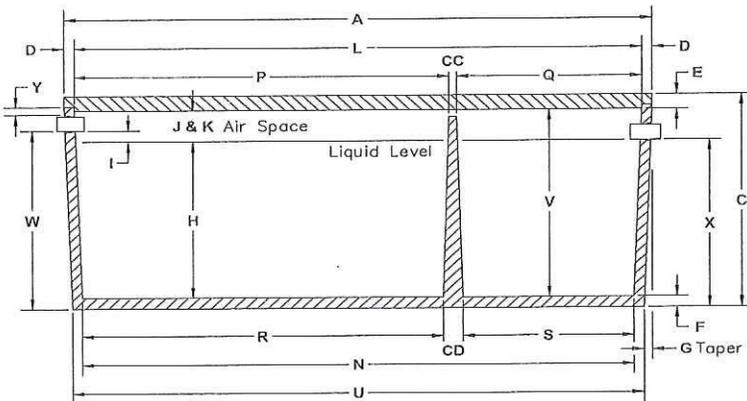
Tank Length = A = 144.00	(Calc. Based on 1/3 / 2/3)	Round off to:
Tank Width = B = 67.00	Lgth of 1st Cmp 91.33	→ 91
Tank Height = C = 62.00	Lgth of 2nd Cmp 45.67	→ 46
Wall Thickness = D = 2.50	*** Except or Override Compartment Dimensions ***	
Lid Thickness = E = 4.00	Lgth of 1st Cmp. 91	
Floor Thickness = F = 4.00	Lgth of 2nd Cmp. 46	
Wall Taper = G = 2.50	Total 137	→ 137
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 = 139.00	
Inside Width @ Top = M = 62.00	
Inside Lgth @ Btm = N = 134.00	
Inside Width @ Btm = O = 57.00	
Inside Lgth of 1st Cmp = P = 91.00	
Inside Lgth of 2nd Cmp = Q = 46.00	
Lgth @ Btm of 1st Cmp = R = 87.00	
Lgth @ Btm of 2nd Cmp = S = 42.00	
Width @ Bottom of Tank = T = 62.00	
Lgth @ Bottom of Tank = U = 139.00	
*** 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 = 1565	
Gallons of 1st Comp. = 1020	
Gallons of 2nd Comp. = 503	
Gal. of 1st + 2nd Comp. = 1523	
Total Gallons (Full to Lid) = 1899	

*** Gallons Per Inch ***	
Gal/In (Single) = 34.8	
Gal/In (1st cmp) = 22.7	
Gal/In (2nd cmp) = 11.2	

*** Tank Weights ***	
2 Cmp	Single Cmp
Weight of Tank = 8864.9	7968.1
Weight of Lid = 3260.6	3260.6
Total Weight of Tank = 12125.5	11228.7
*** Volume of Concrete ***	
2 Cmp	Single Cmp
Tank - Cubic Yards = 2.19	1.97
Lid - Cubic Yards = 0.83	0.83
Total Cubic Yards = 3.02	2.79



Conditionally APPROVED

DEPARTMENT OF SAFETY AND BUILDINGS
 DIVISION OF SAFETY AND BUILDINGS
Eric Melvin

SEE CORRESPONDENCE

20050930
 20150289

The Company/Persons named above shall be given written permission upon purchase of the Concrete Form to duplicate and promote sales literature on this septic tank by:

Francis Melvin Companies
 1022 E. Spruce Street, Abbotsford, WI 54405
 (715) 748-3200 - Fax (715) 748-9258 - E-Mail to: eric.melvin@TDS.net