



Capacity	Height	Width	Length	Outlet
500	4'-3"	3'-7"	8'-7"	
810	5'-8"	4'-1"	8'-8"	53"
1200	5'-10"	5'-2"	9'-3"	55"
1500	5'-8"	6'-3"	9'-6"	53"
2000	5'-8"	6'-3"	12'-6"	53"

LID SIDE VIEW

NOTES:

1. Tank cover limits the depth of soil on the cover to be Minimum 1'6" and Maximum 4'6"
2. All concrete shall develop a minimum compressive strength of 4000 psi at 28 days or sooner. Concrete shall have a maximum water ratio of 0.45.
3. Cement to be Portland conforming to ASTM C 150. Reinforcing steel shall be intermediate grade, deformed, conforming to ASTM A-616 Grade 40.
4. Reinforcing bars shall be in as long lengths as practicable and shall be lapped a minimum of 15 inches, or 40 bars diameters.
5. All tanks shall be coated on the interior extending to a minimum of four (4) inches below the water line, and shall cover all of the internal area above that point with an approved damproof and waterproof compound complying with ASTM D 41-78 or better. Coatings shall be applied per the manufacturer's recommendations and shall be environmental friendly as per EPA regulation 40CFR261.4
6. Fill tank with water after it has been set in placed and backfilled as per manufacturer's recommendation.

H2O TRAFFIC RATED TANKS



RE Kent 5/19/03

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Kent Engineering Inc

Selvage Concrete Products

Grease Interceptor & Septic Tank Design for H2O Load on Cover

Capacity	Height	Width	Length	Outlet	Top steel #4 each way	Wall steel #3 each way	Base steel #3 each way
500	4'-1"	3'-7"	8'-7"	38"	12" oc	11" oc	8" oc
810	5'-6"	4'-1"	8'-8"	53"	10" oc	5" oc	7" oc
1200	5'-8"	5'-2"	9'-3"	55"	6" oc	5" oc	4" oc
1500	6'-6"	6'-3"	9'-6"	53"	4" oc	5" oc	3" oc
2000	5'-6"	6'-3"	12'-6"	53"	4" oc	5" oc	3" oc
Side @ top thickness		3"			Cover thickness		7"
Side @ base thickness		4"			Base thickness		4"

Notes:

- 1 Tank cover design limits the depth of soil on the cover to be
 minimum 1'-6"
 maximum 4'-6"
- 2 Concrete compression strength is $f_c = 4000$ psi in 28 days.



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Traffic Rated Septic Tank in Non-Traffic Application

Maximum Depth of Soil Over Top of Tank

Concrete Strength 4000 psi

Soil Weight 150 pcf

Size Gal	height in	width in	length in	outlet ht in	Steel Reinforcement - Grade 40			Max soil depth ft
					7 in top #4 @ in oc	3 to 4 in sides #3 @ in oc	4 in base #3 @ in oc	
500	51	43	103	38	12	11	8	7
810	66	49	104	53	10	5	7	7
1200	70	62	111	55	8	5	4	7
1500	68	75	114	53	4	5	3	6
2000	68	75	150	53	4	5	3	6



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seismic