

TOP SLAB LAYOUT OPTIONS

TERRE KLEEN - GENERAL NOTES:

THE TERRE KLEEN™ (US PATENT 6,676,832 B2) HYDRODYNAMIC SEPARATOR AS DESIGNED, MANUFACTURED AND INSTALLED BY TERRE HILL STORMWATER SYSTEMS.
 CONTACT: TERRE HILL STORMWATER SYSTEMS AT P.O. BOX 10, 488 WEAVERLAND VALLEY ROAD, TERRE HILL, PA 17361 (PHONE 1-800-242-1509) OR WWW.TERRERESTRONG.COM

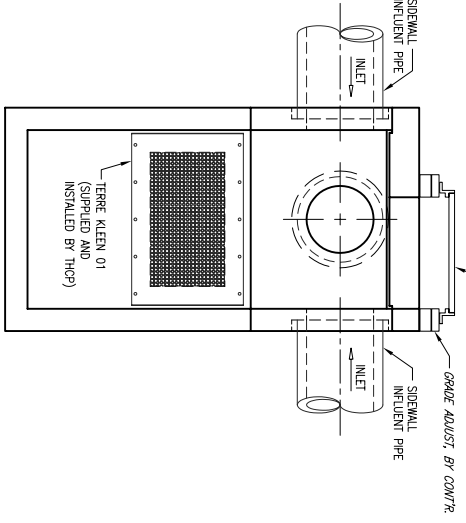
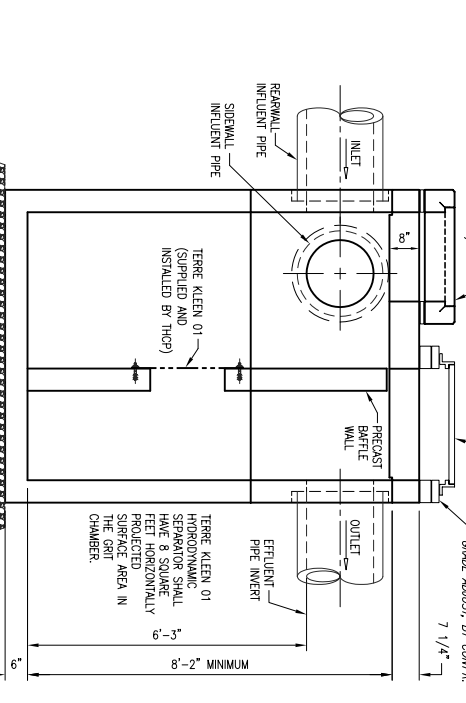
CONCRETE: f_c = 5,000 PSI @ 28 DAYS, WITH ASTM C-33 NO. 57 OR NO. 67 COARSE AGGREGATE, DEFORMED STEEL REINFORCERS TO ASTM A615 GRADE 60, WELDED WIRE FABRIC CONFORMS TO ASTM A185, DEFORMED WELDED WIRE FABRIC OF EQUAL SIZE MAY BE SUBSTITUTED FOR SMOOTH WELDED WIRE FABRIC AND SHALL CONFORM TO ASTM A497.

BRUNER CONCRETE (S-1029 JOINT MATERIAL, MANUFACTURED BY CONCRETE SEALANTS, INC. AND CONCRETE SEALANTS, INC. RECOMMENDATIONS). ANNUAL SPACE BETWEEN PAINT AND HOLE TO BE FILLED, BY OTHERS, WITH AN APPROVED NON-SHRINK GROUT OR CONCRETE AS SPECIFIED.

ALL PIPES TO BE CUT FLUSH WITH INSIDE WALL, AFTER GROUT HAS CURED.

PREP-IN ANCHORS TO BE HULTI 316 STAINLESS STEEL KIMK BOLT II AS MANUFACTURED BY HULTI CORP. UNLIFT ANCHORS MANUFACTURED BY UNIVERSAL FORM CLAMP COMPANY, OR EQUAL, UNLIFT ANCHORS TYPICAL FOR HANDLING.

MANHOLE FRAMES AND COVERS SUPPLIED BY TERRE HILL STORMWATER SYSTEMS, INSTALLATION AND GROUND ADJUST BY OTHERS. COVERS TO BE MARKED WITH "TERRE KLEEN STORMWATER TREATMENT SYSTEM" LOGO. INSTALLATION AND MAINTENANCE MUST BE IN ACCORDANCE WITH THE MANUFACTURERS WRITTEN INSTRUCTIONS AND COMPLY WITH LOCAL ORDINANCES AND NPDES PHASE II REGULATIONS.



Terre Kleen Model	Settling area in chamber	Design ¹ Capacity d ₅₀ =50	Design ¹ Flow head loss	Design ¹ Capacity d ₁₀ =110	Design ¹ Flow head loss	Design ¹ Capacity d ₁₅₀	Design ¹ Flow head loss	Design ¹ Capacity d ₂₀₀	Design ¹ Flow head loss	Peak flow	Peak ^{2,4} pipe head loss	max pipe diam.	Standard ³ Sediment Storage	Standard ³ Trash and Oil Volume	Minimum grade to pipe invert	Standard ³ pipe to device
TK01	8 SqFt	1.0 cfs	< 0.50 In.	0.5 cfs	< 0.50 In.	1.0 cfs	< 0.50 In.	1.7 cfs	< 0.50 In.	2.5 cfs	0.08 In.	18 In.	66 CF	192 Gallon	2.52 Ft	6.25 Ft
TK05	32 SqFt	0.4 cfs	< 0.50 In.	2.1 cfs	< 0.50 In.	3.9 cfs	< 0.50 In.	6.9 cfs	< 0.50 In.	10.0 cfs	0.56 In.	18 In.	123 CF	238 Gallon	3.27 Ft	6.25 Ft
TK09	67 SqFt	0.8 cfs	0.09 In.	3.7 cfs	1.93 In.	6.9 cfs	6.70 In.	12.3 cfs	21.90 In.	15.0 cfs	33.00 In.	24 In.	80 CF	140 Gallon	3.27 Ft	6.25 Ft
TK19	175 SqFt	2.5 cfs	0.17 In.	7.5 cfs	2.44 In.	13.9 cfs	8.37 In.	24.4 cfs	26.44 In.	29.0 cfs	33.00 In.	26 In.	116 CF	210 Gallon	3.27 Ft	6.25 Ft
TK29	320 SqFt	4.0 cfs	0.13 In.	12.0 cfs	3.48 In.	22.8 cfs	10.11 In.	40.2 cfs	32.06 In.	50.0 cfs	42.00 In.	32 In.	216 CF	327 Gallon	3.27 Ft	6.25 Ft
TK36	230 SqFt	3.1 cfs	0.13 In.	15.0 cfs	2.94 In.	27.8 cfs	10.11 In.	49.2 cfs	32.06 In.	56.0 cfs	42.00 In.	32 In.	216 CF	327 Gallon	3.27 Ft	6.25 Ft
TK45	288 SqFt	3.9 cfs	0.13 In.	18.7 cfs	3.08 In.	34.0 cfs	10.71 In.	62.0 cfs	33.81 In.	70.0 cfs	44.00 In.	30 In.	257 CF	389 Gallon	3.27 Ft	6.25 Ft
TK54	346 SqFt	4.7 cfs	0.18 In.	22.5 cfs	3.58 In.	41.9 cfs	12.41 In.	74.5 cfs	39.25 In.	77.0 cfs	43.00 In.	27 In.	299 CF	453 Gallon	3.27 Ft	6.25 Ft

1. Design flow rates based on Wehler removal according to NIDDP lab protocol and adjusted for a particle density, 140lb/cft and 60 degree Fahrenheit, water temperature.
 2. Peak flow rates based on Wehler removal according to NIDDP lab protocol and adjusted for a particle density, 140lb/cft and 60 degree Fahrenheit, water temperature.
 3. Add 9" for grade adjust and frame and cover, otherwise cost into the bid.
 4. Excess design overflow through a screen is possible above insert.
 5. Special designs are available to increase these values.

Initial Release 11-12-08

REVISIONS

JOB:	TERRE KLEEN™ O1 4'-0" x 6'-0" PRECAST WATER QUALITY CHAMBER
CONTR:	
ENGR:	
BY:	

