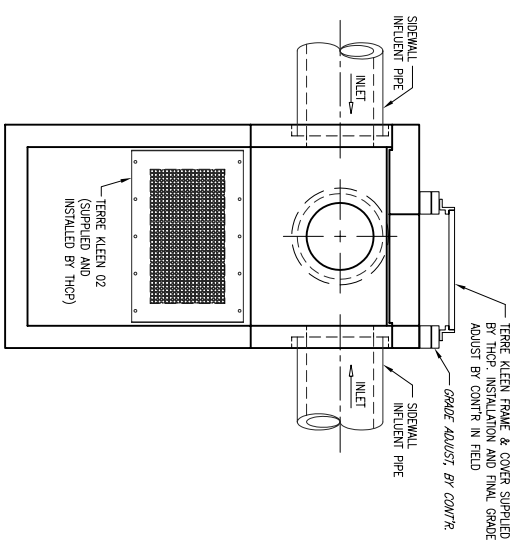
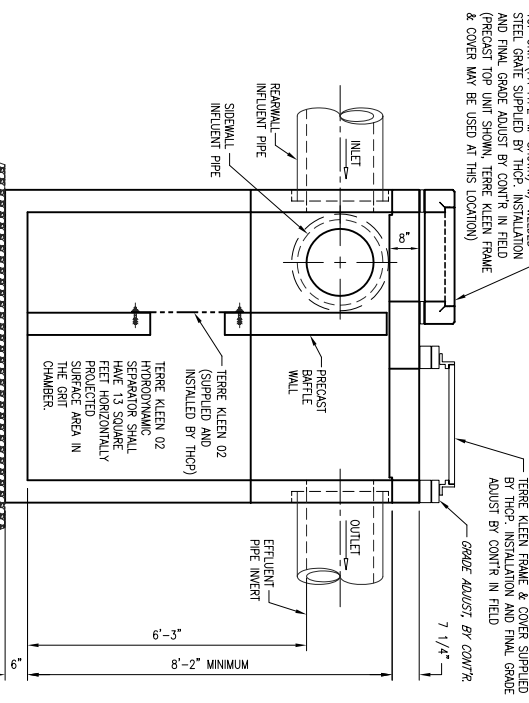


TOP SLAB LAYOUT OPTIONS

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.TERRERESYSTEMS.COM  
 CONCRETE: f<sub>c</sub> = 5,000 PSI @ 28 DAYS, WITH ASTM C-33 NO. 57 OR NO. 67 COARSE AGGREGATE.  
 DEFORMED STEEL REINFORCING 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.  
 BRIDGER CONSULTING, INC. (209 JUNIT MOUNTAIN, MANUFACTURED BY CONCRETE SEALANTS, INC. AND CONCRETE SEALANTS, INC. RECOMMENDATIONS.  
 ANNUAL SPACE BETWEEN PIPE 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 HILTI 316 STAINLESS STEEL KIMM BOLT II AS MANUFACTURED BY HILTI CORP. TYPICAL FOR HANDLING.  
 UN LIFT ANCHORS MANUFACTURED BY UNIVERSAL FORM CLAMP COMPANY, OR EQUAL, UN LIFT 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.



Model	Settling Area in sq-ft	Design Capacity flow head loss	Design Capacity flow head loss	Design Capacity flow head loss	Design Capacity flow head loss	Peak flow	max pipe diam.	Standard Trash and Oil Volume	Minimum pipe to device
TK01	8 SFRT	0.1 cfs	< 0.50 ft	< 0.50 ft	< 0.50 ft	1.0 cfs	18 in.	182 Gallon	6.25 ft
TK02	13 SFRT	0.2 cfs	< 0.50 ft	< 0.50 ft	< 0.50 ft	1.5 cfs	18 in.	123 Gallon	6.25 ft
TK05	32 SFRT	0.4 cfs	< 0.50 ft	< 0.50 ft	< 0.50 ft	3.0 cfs	18 in.	236 Gallon	6.25 ft
TK09	67 SFRT	0.8 cfs	< 0.50 ft	< 0.50 ft	< 0.50 ft	6.0 cfs	24 in.	403 Gallon	6.25 ft
TK18	115 SFRT	1.5 cfs	< 0.50 ft	< 0.50 ft	< 0.50 ft	12.0 cfs	24 in.	787 Gallon	6.25 ft
TK36	230 SFRT	3.1 cfs	< 0.50 ft	< 0.50 ft	< 0.50 ft	24.0 cfs	30 in.	1574 Gallon	6.25 ft
TK45	348 SFRT	4.7 cfs	< 0.50 ft	< 0.50 ft	< 0.50 ft	36.0 cfs	36 in.	2361 Gallon	6.25 ft

- Design flow rates based on Weighltd Removal according to NREPS lab protocol and adjusted for a portable density, 140lbs/cft and 60 degree Fahrenheit water temperature.
- Peak headloss is defined by the standard insert clearance and defines peak flow.
- Add 9" for grade adjust and frame and cover, otherwise cost into the bid.
- Excess design overflow through a screen is possible above insert.
- Special designs are available to increase these values.

Initial Release 11-12-08

REVISIONS

TERRE KLEEN™ is a registered US Patent (US Patent 6,676,832 B2)

**TERRE HILL STORMWATER SYSTEMS**  
 Improving your world™

TERRE HILL, PA. (717)445-3100

TERRE KLEEN™ O2  
 4'-0" x 6'-0" PRECAST  
 WATER QUALITY CHAMBER

CONTR:  
 ENGR:  
 BY:  
 DATE:  
 SH1.1 OF 1