

Kleen TK27 Performance, Design and Installation Specifications

Terre Kleen is a HYDRODYNAMIC SEPARATOR consisting of preinstalled, stacked inclined plates housed inside a precast structure. Ferre kleen removes pollutants by separating sediment and floatables such as oils, grease, trash and debris from starmwater. Terre kleen features are as follows:

following:

o. project—specific sizing colculations, with 3rd party performance verification, clearly showing that the unit meets or exceeds the Performance and Design Specifications of the larger Kleen.

I project—specific hydraulic calculations, with 3rd party performance verification, showing the Hydraulic Grade Line (HGL) plotted through the structure for the design flow No stormwater treatment BMP shall be approved as an equivalent substitution uniter applieser shall receive and approve drawings and appointations stamped and seeled by ordessional engineer registered in the state wherein the project is located showing the

I. Terre Kleen inclined plate assembly shall arrive at the job site fully assembled inside precest concrete structure. Precest structure may arrive in sections due to weight and transportation issues. Each precest structure shall provide the procest structure shall provide manufacturer shall provide thing expanded by the provide the provide straps / crone hook, which shall be the property of manufacturer. Contractor shall provide equipment with sufficient lifting aposity to unload and sat the tierre Kleen.

2. Contractor shall excounte, devater and shore in accordance with project specifications, as provided by Engineer and OSH regulations.

3. Sub-grade shall be established as shown on the Drawings Underlying and as ub-grade material shall have design loating of not less than 2000 pounds per square foot (psf). Precost components shall be placed on the compacted base (95% Proctor Density), elevation confirmed, level and oligand to ensure that the entire unit will be properly positioned when initerance Procedure.

Quarterly inspection is recommended to record sediment, oil, and trash accumulation.

Quarterly inspection is recommended when the sediment reaches 16 inches in depth in one or both sediment is recommended when the sediment reaches 16 inches in depth in one or both sediment space entry required; from Keen design allows access, from grade, to both purbers by vacuum hose for removal of 100% of early inched plates.

Our and water pressured sludge depension manifold, under inched plates.

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8. BACKFILL SPECIFICATIONS: It is recommended that the stone sub-base be extended a minimum of one fool (1 ft) beyond the exterior face of the precast and compacted to 95% Proctor Density to sub-grade. Upon compeliation of the precast installation the backfill material shall be placed and compacted achieving a minimum compaction of 90% Proctor Density, or as specified by the Engineer, when tested by ASM A1557. Backfill material may be used if the material previous an allowable bearing pressure of 2000 pounds per square foot (psi) and compacts to 90% Proctor Density per ASM A1557.) Backfill shall be aggregate base, compacted to 95% Proctor Density (ASM A1557.).

9. Contractor shall remove all foreign material and debris, including all sediment, also grass and construction materials and debris from the inlet pipe, outlet pipe and Terre Kleen upon the proctor Density of ASM A1557. 5. Preast structure containing the Terre Kleen component shall be aligned horizontally and vertically plumb. Contractor must confirm that the eritire Terre Kleen shall be level during and after completion of backfill of the structure.

6. Manhole frame/cover and intest frame/grate, if required shall be installed as shown on the drawings and grade adjusted to match final grade elevations by Contractor.

7. Connect and sea starm drain intel and outlet plaps to Terre Kleen unit using non-shrink grout-fill material in accordance with project specifications.

8. BACKFILL SPECIFICATIONS: It is recommended that the stone sub-base be extended a minimum of one took (1 th) beyond the exterior face of the precast and compacted to 55% shall place "CONSEAL" or equivalent water tight mastic material between each ynent.

PRECAST
WATER QUALITY CHAMBER

DATE:

SHT.1 OF 1

FILE NO.

TERRE

HILL

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