

STANDARD DETAIL NOTES FOR GREASE/SAND/OIL INTERCEPTORS

THESE NOTES ARE APPLICABLE TO THE STANDARD DETAIL SHEET SLWS-10A

1. INTERCEPTORS SHALL BE DESIGNED BY A PROFESSIONAL ENGINEER LICENSED IN FLORIDA, IN ACCORDANCE WITH SLWSD GREASE/OIL/SAND INTERCEPTOR POLICY, APPLICABLE BUILDING CODES AND STATE REGULATIONS. AN APPROVAL MUST BE OBTAINED FROM SLWSD PRIOR TO INSTALLATION. DEVIATIONS SHALL NOT BE MADE WITHOUT PRIOR APPROVAL.
2. THE INTERCEPTOR SHALL BE BUILT OF PRE-CAST CONCRETE WITH A MINIMUM OF 4" THICK WALLS AND WITH PRE-CAST HOLES FOR THE INLET/OUTLET PIPES. SHOP DRAWINGS SHALL BE SUBMITTED TO THE SLWSD FOR APPROVAL IF THE TANK IS NOT ON THE APPROVED QUALIFIED PRODUCTS LIST (QPL).
3. ALL PIPING SHALL BE A MINIMUM OF 4" PVC.
4. THE INLET AND OUTLET TEES SHALL BE LOCATED NO MORE THAN 4" FROM END OF THE TANK AND SHALL BE IN ACCORDANCE WITH ASTM C923-98, LATEST REVISION. THE INLET INVERT LEVEL SHALL BE A MINIMUM OF 2½" ABOVE THE WATER LEVEL. THE INLET TEE IS NOT REQUIRED FOR SAND/OIL INTERCEPTORS, HOWEVER, IF USED IT SHALL NOT EXTEND MORE THAN 12" BELOW THE WATER LEVEL. THE OUTLET TEE SHALL EXTEND TO WITHIN 8" OF THE TANK BOTTOM. THE TEES SHALL BE SECURED TO THE TANK WALL AS PER DETAIL SUBMITTED BY THE ENGINEER-OF-RECORD AND APPROVED BY SLWSD.
5. THE LIQUID DEPTH SHALL BE AT LEAST 42".
6. INSPECTION PORTS (TWO-WAY CLEAN-OUTS) SHALL BE INSTALLED ON EACH END OF THE INTERCEPTOR, WHICH ARE EASILY ACCESSIBLE FOR INSPECTION/SAMPLING.
7. A BAFFLE SHALL BE INSTALLED ½ (ONE-HALF) TO ⅔ (TWO-THIRDS) 'D' FROM THE INLET SIDE. THE FLOW BETWEEN THE TWO COMPARTMENTS SHALL BE THROUGH AN 8" DIAMETER HOLE IN THE BAFFLE; THE HOLE SHALL BE LOCATED 12" FROM THE TANK BOTTOM FOR A GREASE INTERCEPTOR AND 16" TO 20" FOR A SAND/OIL INTERCEPTOR. A BAFFLE IS NOT REQUIRED IF MULTIPLE INTERCEPTORS ARE INSTALLED IN SERIES, HOWEVER, INSPECTION PORTS SHALL BE INSTALLED ON EACH END OF THE INTERCEPTORS.
8. THE MINIMUM EFFECTIVE CAPACITY OF THE TANK SHALL BE AS REQUIRED BY THE SLWSD. WHEN THE REQUIRED EFFECTIVE CAPACITY OF THE INTERCEPTOR IS GREATER THAN 1250 GALLONS, INSTALLATION OF TANKS SHALL BE IN SERIES. WHEN MULTIPLE TANKS ARE USED THERE SHALL BE A MINIMUM 4' SEPARATION BETWEEN TANKS WITH THE REQUIRED INSPECTION PORT INSTALLED IN THE CENTER.
9. THE LID SHALL BE AT LEAST 8" THICK. TRAFFIC LIDS SHALL BE DESIGNED IN ACCORDANCE WITH ASTM C890-91, LATEST REVISION.
10. INTERCEPTOR SHALL BE PROVIDED WITH A MANHOLE OVER EACH COMPARTMENT FOR ACCESS TO THE INLET AND OUTLET TEES. THE MANHOLES SHALL BE BROUGHT TO GRADE AND FITTED WITH COVERS AS SPECIFIED IN THE DETAIL. ONLY COVERS ON THE QPL SHALL BE USED.
11. A CONCRETE COLLAR SHALL BE PROVIDED AROUND THE COVERS AND SANITARY SEWER CLEANOUT BOX WHEN THE INTERCEPTOR IS LOCATED IN AN UNPAVED AREA. GROUND SHALL BE SLOPED AWAY FROM THE INTERCEPTOR TO PREVENT PONDING OF STORM WATER.
12. ALL JOINTS, INCLUDING MID-SEAMS, RISERS AND LIDS SHALL BE SEALED USING A BONDING COMPOUND THAT MEETS ASTM C-990-96, LATEST REVISION. JOINTS AROUND THE RISER AND THE TANK SHALL BE SEALED AND MADE WATERTIGHT WITH APPROVED JOINT SEALING SYSTEM PER THE QPL.
13. INSTALLATION OF THE INTERCEPTOR AND ITS COMPONENTS SHALL BE PERFORMED BY A LICENSED PLUMBER OR SEPTIC TANK CONTRACTOR REGISTERED WITH THE FLORIDA DEPARTMENT OF HEALTH.
14. INSPECTIONS ARE REQUIRED BY SLWSD AS PER THE UTILITY STANDARDS. AN INITIAL INSPECTION IS REQUIRED WITH THE TANK ABOVE GROUND.



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**GREASE, OIL, AND SAND
INTERCEPTOR**

DETAIL: SLWS-10B
DATE: 03/2020
SCALE: N.T.S.
SHEET: 2 OF 2