



CONCRETE OIL/WATER SEPARATOR TANK SPECIFICATIONS:

1. TANK SHALL HAVE A MINIMUM CAPACITY SUFFICIENT TO PRETREAT THE MAXIMUM DAILY FLOW PROPOSED AND NO LESS THAN 1000 GALLONS. TANK SHALL BE CONSTRUCTED OF PRECAST CONCRETE.
2. INTERIOR OF THE TANK AND EXTENSION TO GRADE MANHOLES SHALL BE COATED WITH AN EPOXY PETROLEUM RESISTANT SEALANT. EXTERIOR OF THE TANK AND EXTENSION TO GRADE MANHOLES SHALL BE COATED WITH A WATERPROOF FOUNDATION SEALANT. THIS INCLUDES THE TANK EXTERIORS TOP AND BOTTOM.
3. STRUCTURAL SEAM OF THE TANK SHALL BE FILLED IN WITH NON-SHRINKING CEMENT OR WATER-PLUG AND COATED WITH A WATERPROOF SEALANT.
4. VOIDS BETWEEN INLET AND OUTLET PIPING OF THE TANK SHALL BE GROUTED WITH NON-SHRINKING CEMENT AND COATED WITH A WATERPROOF SEALANT.
5. THE TANK SHALL HAVE EXTENSIONS TO GRADE ABOVE THE INLET AND OUTLET PIPING. THE EXTENSION SHALL HAVE C.I. FRAMES AND MANHOLE COVERS. THE MANHOLES, EXTENSIONS AND ACCESS TO THE TANK SHALL BE AT LEAST 18 INCHES IN DIAMETER.
6. THE OUTLET PIPING SHALL UTILIZE A TEE-PIPE ON THE INTERIOR OF THE TANK. THE TEE-PIPE SHALL BE EQUIPPED WITH A STAND PIPE RISER EXTENDING UP TO GRADE BUT NO CLOSER THAN EIGHT INCHES (8") FROM THE MANHOLE COVER. THE TEE-PIPE SHALL EXTEND SIX INCHES (6") TO FIFTEEN INCHES (15") FROM THE BOTTOM OF THE TANK, OR REST ON TANK FLOOR, AS SHOWN.
7. SUPPORT 6" OUTLET Baffle PIPE ADEQUATELY WITH STAINLESS STEEL STRAPS AND ANCHOR BOLTS. OR EXTEND 6" SDR 35 Baffle PIPE TO BOTTOM OF TANKS AS SHOWN FOR SUPPORT.
8. THE INLET EXTENSION TO GRADE SHALL BE PROVIDED WITH A VENT LINE WHICH EXTENDS EIGHT FEET (8') ABOVE FINISHED GRADE AND PROPERLY SECURED TO THE BUILDING. THE SIZE OF THE VENT SHALL BE AT LEAST HALF THE SIZE OF THE OUTLET DISCHARGE LINE.
9. THE HORIZONTAL STRUCTURAL SEAM OF THE TANK SHALL BE LOCATED ABOVE THE STATIC LIQUID LEVEL OF THE TANK.
10. THE INCOMING PIPE SHALL NOT INCLUDE ANY SOURCES OF DOMESTIC SEWAGE WASTEWATER OR STORM WATER.
11. THE OUTLET PIPE SHALL BE CONNECTED TO THE SANITARY SEWER.
12. THE OUTLET PIPE SHALL BE AT LEAST THE SIZE OF THE INLET PIPE OR GREATER AND AT A MINIMUM SHALL BE SIX INCHES (6") IN DIAMETER.
13. ALL PIPES MUST BE SDR35, MINIMUM 6" DIAMETER, WITH RUBBER COMPRESSION GASKETS.
14. THE CONCRETE COVERS PROVIDED BY THE OIL SEPARATOR MANUFACTURER SHALL BE PERMANENTLY REMOVED.
15. IN AREAS WHERE THE OIL SEPARATOR WILL BE SUBJECT TO VEHICULAR TRAFFIC, THE DESIGN LOAD SHALL BE AASHTO HS-20. ALL PIPES SUBJECT TO VEHICULAR TRAFFIC AND LOCATED LESS THAN 30" BELOW GRADE SHALL BE ENCASED IN MINIMUM 6" OF CONCRETE.
16. THE DEPARTMENT OF ENVIRONMENTAL PROTECTION MUST BE GIVEN NOTICE OF ONE WEEK PRIOR TO BACK FILLING THE TANK TO ALLOW THE DEPARTMENT PERSONNEL ADEQUATE TIME TO VISUALLY INSPECT THE TANK AND FACILITY.

NOTE: THIS DRAWING SUPERSEDES ALL PRIOR VERSIONS. DRAWING MAY BE REVISED WITHOUT PRIOR NOTICE. CONTACT ENGINEERING DEPARTMENT FOR CURRENT VERSION.

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CONCRETE OIL/WATER SEPARATOR

CITY OF MILFORD
DEPT. OF PUBLIC WORKS
ENGINEERING BUREAU
GREGORY PIDLUSKI, P.E., L.S.
CITY ENGINEER

SCALE:
N.T.S.

DATE:
JUNE 19, 2017

SHEET:
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