



### **Pretreatment Requirements for RV Dump Stations**

1. Each RV dump station shall be equipped with signage that displays the following statements: “RV Dump Station-Only holding tanks from RV’s shall discharge here” and “Water is NOT SAFE for Drinking”
2. RV dump stations shall be constructed per CK Standard Detail PT.5.
3. RV dump stations shall discharge into a 2,500-gallon septic tank that is designed per CK Standard Detail PT.6 and PT.7.
4. A sample port designed per CK Standard Detail PT.3 shall be installed downstream of the septic tank.
5. Waterproofing of all pretreatment related concrete structures shall match CK Standard Detail SA.3. All joints between sections, adjusting rings, top sections and pipes in all pretreatment related structures shall be watertight.

### **Applicability**

These requirements are applicable to all commercial establishments that are undergoing:

1. New construction
2. Interior remodeling to accommodate expansion or operational modifications
3. Changes of ownership/occupancy
4. Facilities which are experiencing difficulty in achieving compliance with maintenance and /or wastewater discharge limitations

### **Materials for Interceptor and Sample Port**

Traffic rated locations

1. Concrete grade rings 4000 psi minimum
2. Reinforced concrete pipe 4000 psi minimum

Non traffic rated locations

1. Concrete grade rings- 4000 psi minimum
2. HDPE grade rings
3. Black double wall corrugated HDPE pipe

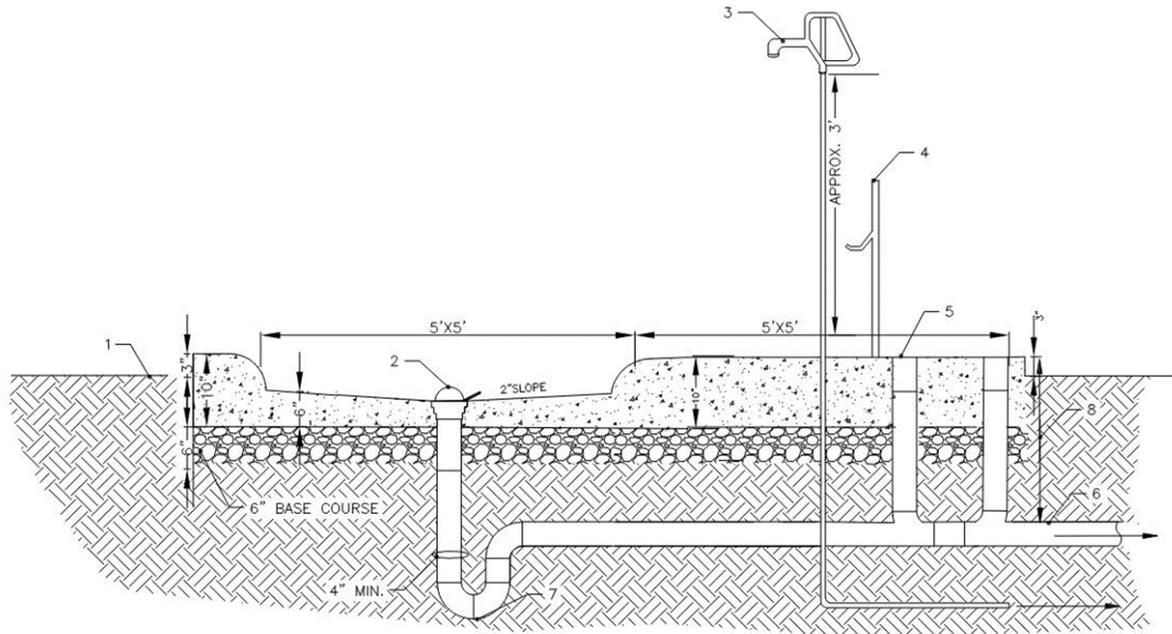
Waterproofing

1. Ram-Nek or approved equivalent must be used to seal between the grease interceptor lid, each grade ring, and the manhole ring
2. The first-grade ring must be grouted to the interceptor lid
3. All joints between sections, adjusting rings, top sections and pipes in all pretreatment related structures shall be watertight per CK Standard Detail SA.3

Composite, Polyethylene and Fiberglass Interceptors

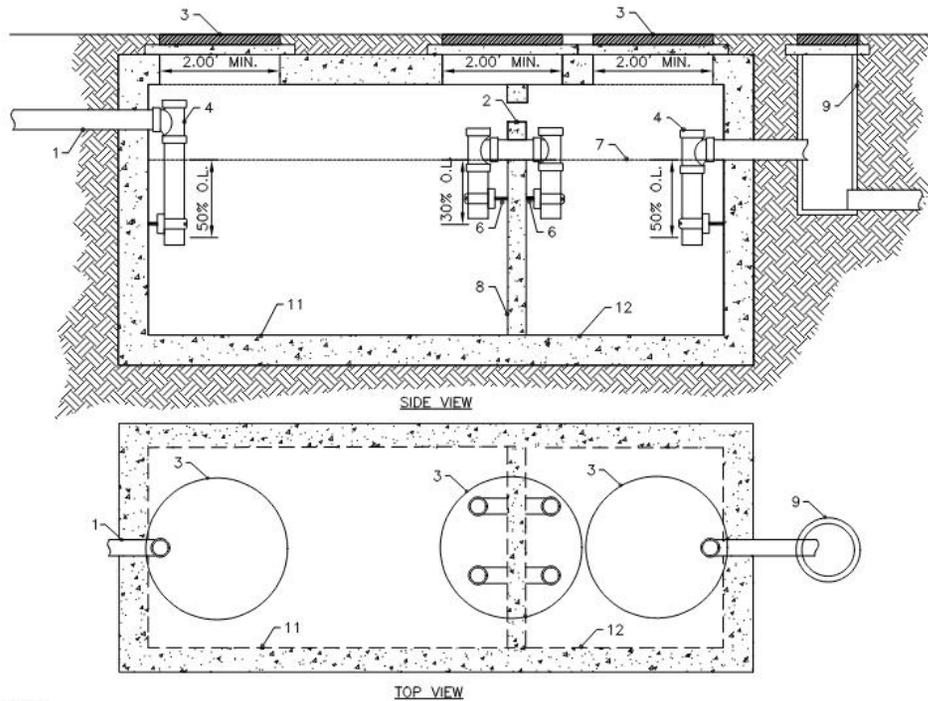
1. These interceptors can only use manufacturer supplied manhole and inspection port riser
2. If located in traffic areas, measures must be put in place to meet HS-20 loadings for all applicable areas of the system

**For more information contact the Industrial Pretreatment Coordinator’s Office at  
(406) 758-7817**



1. FINISHED GRADE
2. FLOOR DRAIN WITH OPW 269 HINGED CAP
3. FROST FREE HYDRANT
4. GRANGER WESTWARD HOSE HANGER AND STAND MFR. MODEL #48PG06
5. DOUBLE SWEEP CLEAN OUT (TO GRADE)
6. TO SEPTIC TANK
7. TRAP
8. MAINTAIN MAXIMUM AVAILABLE DEPTH
9. ALL UNDER SLAB AND SUBSURFACE CONSTRUCTION REQUIRES DRAWINGS FROM A PROFESSIONAL ENGINEER AND MUST BE APPROVED BY THE CITY OF KALISPELL PRIOR TO CONSTRUCTION

PT.5
R.V DUMP STATION DETAIL  
N.T.S.



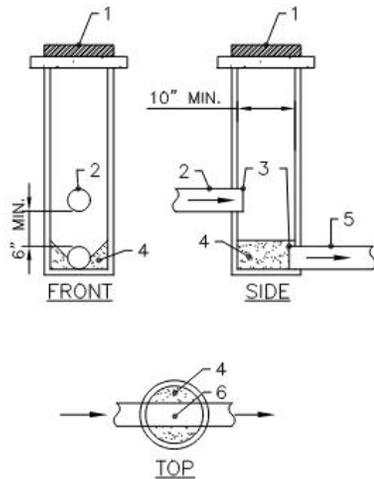
**NOTES:**

1. INLET PIPING—SHALL BE A MINIMUM OF 3" ABOVE OUTLET PIPING
2. 6"DIAMETER VENT SLEEVE
3. MINIMUM 24" DIAMETER OPENING WITH RING AND LID. IF IN A TRAFFIC AREA, MUST MEET H-20 LOADING REQUIREMENTS. CONCRETE LIDS ARE PROHIBITED.
4. INLET AND OUTLET PIPING SHALL EXTEND DOWN TO 50% OF THE OPERATING LEVEL. MINIMUM SIZE 4" DIAMETER.
5. ALL INTERIOR AND OUTLET PIPING SHALL BE THE SAME DIAMETER AS THE INLET PIPING.
6. SS SUPPORTS, SEE CK STANDARD DETAIL SA.16
7. OPERATING LEVEL
8. BAFFLE WALL
9. SEPTIC TANK AND SAMPLE PORT—TO BE DESIGNED PER CK STANDARD DETAIL PT.3. IF IN A TRAFFIC AREA, MUST MEET HS-20 LOADING REQUIREMENTS. SHALL DISCHARGE TO CITY'S SANITARY SEWER
10. TOTAL TANK VOLUME TO BE SIZED TO 2,500 GALLONS
11. PRIMARY CHAMBER (2/3 TOTAL VOLUME)
12. SECONDARY CHAMBER (1/3 TOTAL VOLUME)
13. ALL UNDER SLAB AND SUBSURFACE CONSTRUCTION REQUIRES DRAWINGS FROM A PROFESSIONAL ENGINEER AND MUST BE APPROVED BY THE CITY OF KALISPELL PRIOR TO CONSTRUCTION.

FOR MORE INFORMATION, CONTACT THE INDUSTRIAL PRETREATMENT COORDINATOR'S OFFICE  
AT 406-758-7817

PT.6

**SEPTIC TANK FOR RV DUMP STATIONS**  
**N.T.S.**

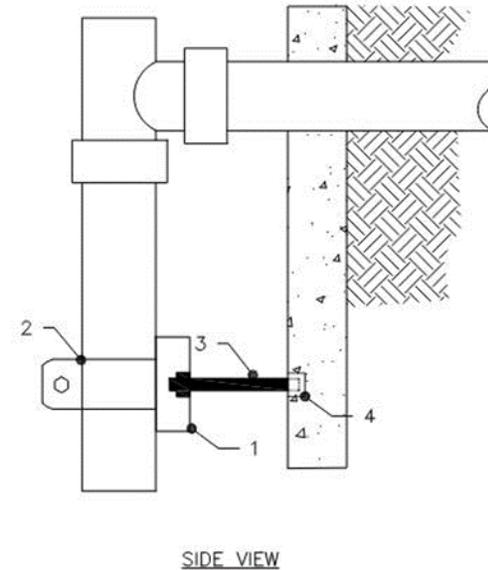
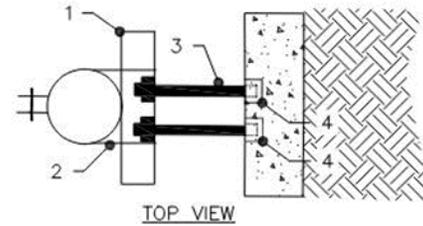


**NOTES:**

1. SAMPLE PORT RING AND LID
2. INTERCEPTOR DISCHARGE LINE
3. PIPE PENETRATION (EXTEND 1" PAST THE INSIDE WALL OF THE SAMPLE PORT – MUST BE SEALED TO PREVENT LEAKS. IF USING PVC, A SADDLE MUST BE USED)
4. GROUT (SLOPED TO WASTEWATER CHANNEL – THE SAMPLE PORT MUST DRAIN COMPLETELY AND NOT HOLD WATER)
5. SAMPLE PORT DISCHARGE LINE TO CITY'S SANITARY SEWER
6. CHANNEL

**REQUIREMENTS:**

1. ALL INTERCEPTORS ARE TO BE INSTALLED WITH A SAMPLING PORT THAT RECEIVES FLOW FROM THE INTERCEPTOR'S EFFLUENT.
2. TEE PIPING ON THE INTERCEPTOR'S INTERIOR WILL NOT SUFFICE AS A SAMPLE PORT
3. SAMPLE PORTS MUST BE LOCATED IN AREAS PROTECTED FROM VEHICLE TRAFFIC.
4. SAMPLE PORTS ARE TO BE CLEANED AND INSPECTED DURING ROUTINE INTERCEPTOR PUMPING
5. SAMPLE PORTS WILL HAVE A MINIMUM 10" DIAMETER ACCESS COVER
6. SAMPLE PORTS WILL HAVE A MINIMUM 6" DROP BETWEEN INLET AND DISCHARGE PIPING
7. SAMPLE PORTS MUST DRAIN COMPLETELY AND NOT HOLD WATER. BOTTOM TO BE GROUTED AND SLOPED
8. INLET PIPE PENETRATION MUST EXTEND 1" PAST THE INSIDE WALL OF THE SAMPLE PORT. PENETRATIONS ARE TO BE SEALED TO PREVENT LEAKS
9. CHANNEL WIDTH SHALL BE A MINIMUM OF 5"



**NOTES:**

1. SS UNI-STRUT
2. SS PIPE/CONDUIT CLAMP
3. SS ALL THREAD
4. SECURE SS ALL-THREAD INTO CONCRETE WITH EPOXY