

## **PART 1 – GENERAL**

### **1.1 Description**

- .1 This section refers to the installation of the sump drain, oil interceptor, and rock pit.
- .2 All work shall be in accordance with the National Plumbing Code of Canada and the Yukon Environment Act.

## **PART 2 – PRODUCTS**

### **2.1 Materials**

- .1 PVC to CAN3-182.1-M1993 (DR35) 100 mm dia.
- .2 Oil Interceptor:
  - .1 Standard of Acceptance: ANCON-0E-300X Oil Interceptor, Catalogue No. 0E-335-x (35 gpm flow rate) c/w electronic level monitoring control system, or approved alternate.
- .3 Oil Interceptor Vent Piping: 50 Ø Schedule 40 black iron under slab and 50 Ø galvanized steel at exterior of building.
- .4 Rock Pit: 915 dia. X 1800 long CMP Culvert as per drawing c/w 75–100 size washed rock.
- .5 ‘S’ Drain Line to Rock Pit: The PVC (DR35) drain line from the building to the rock shall be insulated as per pipe insulation specifications in Section 02540.
- .6 Oil Interceptor Stand: Galvanized steel construction. Provide shop drawings for review prior to fabrication.
- .7 Oil draw-off pail. Provide shop drawing for review and approval.

## **PART 3 – EXECUTION**

### **3.1 Sump and Oil Interceptor**

- .1 Install PVC piping in new sump as indicated.
- .2 Install oil interceptor and venting as per manufacturers instructions.
- .3 Provide lateral restraint for the oil interceptor using methods approved by the Engineer.
- .4 Extend oil interceptor vent piping outside of building and fasten to outside of wall with galvanized pipe straps to 2.0 m min. above grade. The tops of the vent pipes shall be at least 300mm difference

in height from each other.

- .5 Provide cleanouts on vent pipes at exterior of building.
- .6 The legs of the oil interceptor stand are to be anchored to the base of the sump with 9 Ø x 100 long galvanized 'Kwik" bolts.
- .7 Provide unions on all piping to and from oil interceptor to allow for ease of removal.
- .8 Grade vent lines back to oil interceptor.
- .9 Oil interceptor to be securely fastened to the stand to the satisfaction of the Engineer.
- .10 Install oil interceptor electrical level monitoring controls as per manufactures instructions and Electrical Code of Canada.

### 3.2 Drain Line

- .1 Install new 100 dia. PVC drain line from the oil interceptor under the existing slab, at minimum 2% grade.
- .2 Make smooth saw cuts through the existing slab.
- .3 Bed the pipe in sand as indicated.
- .4 The line outside the building shall be insulated as indicated.
- .5 Solvent-weld all joints.

### 3.3 New Sump

- .1 The exact location for the new rock pit shall be as approved by the Owner or Engineer.
- .2 Install the rock pit as indicated on the drawings and backfill with granular material compacted to at least 95% SPMDD.

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