

WDS

**SILT, SOLIDS, HYDROCARBONS CONTAINMENT CHAMBER
IDEAL FOR USE IN ANY OUTDOOR SPACES WHERE POLLUTION FROM RUNOFF DURING
RAINSTORMS IS A CONCERN.**

SECTION

**Specifications for Wastewater Diversion Systems, Inc. WDS MODEL SSHCC CONTAINMENT
CHAMBER**

PART 1 GENERAL

1.1 DESCRIPTION

A. Furnish and install _____ SILT, SOLIDS, HYDROCARBON CONTAINMENT CHAMBER COMPLETE WITH HEAVY DUTY MOLDED FIBERGLASS PIT, HYDROCARBON ENTRAPMENT BAFFLE, H2O LOAD RATED CAST IRON FRAME, ADA STYLE GRATE, STAINLESS STEEL SILT AND SOLIDS BASKET AND 4 INCH STORMWATER OUTLET.

B. The Chamber shall be a Model WDS SSHCC BY WASTEWATER DIVERSION SYSTEMS, or Engineer approved equal.

C. It is the intent of these specifications to have one supplier to provide equipment within this section for the sole system responsibility. The basis of selection will be made to the responsible and qualified bidder. Bidders are advised that all specifications must be strictly followed. Suppliers that are named in specifications have been identified as being qualified to propose the equipment specified. The bidder is responsible for determining compliance of a supplier's equipment to the specifications. Alternate proposals, if offered, will not be considered as the basis of selection. Proposals deviating from or taking exception to the specification requirement will be deemed unresponsive.

D. Silt, Solids, Hydrocarbon Containment Chamber with hydrocarbons baffle.

E. Approved supplier: WASTEWATER DIVERSION SYSTEMS, INC. 8417 Erle Road, Mechanicsville, Virginia USA 23116 804-873-1798 foxwwdsusa@aol.com or Engineer approved equal.

F. THE SYSTEM MUST BE "MADE IN USA"

1.2 SUBMITTALS

SD-01 Shop Drawings.

Silt, Solids, Hydrocarbon Containment Chamber

SD-02 Product Data.

Silt, Solids, Hydrocarbon Containment Chamber

Submit Manufacturer's standard drawings or catalogue cuts.

SD-03 Manufacturer's Instructions.

Manufacturer's Instructions Manual

SD-04 Operation and Maintenance Data.

Operation and Maintenance Manual

1.3 SPARE PARTS

The manufacturer of the Silt, Solids, Hydrocarbon Containment Chamber shall provide a list of spare parts required for 1 year of service for each system provided at this site. All spare parts shall be boxed and labeled for ease of storage at the purchaser's warehouse.

2.1 MATERIALS

All components of the system herein described shall be fabricated and manufactured from new, unused materials, free from defects, and of the highest quality possible.

(a) Fiberglass Materials shall be corrosion resistant and a minimum of ¼ inch thick in non-stress areas.

(b) Stainless Steel Silt Basket alloy shall be 304 SS.

(c) Austenitic Stainless-Steel alloys shall contain up to 20% chromium and up to a maximum 10.5% nickel.

2.4 CONTAINMENT Pit,

The Containment Pit shall be Hand Laid, Heavy Duty Molded Fiberglass of 1/4 inch minimum thickness in non-stress areas. The pit shall have minimum inside dimensions of 21-1/2 inches x 21-1/2 inches and 16-1/2 inches deep and shall have a 4-inch outlet out to storm water. The white interior and exterior gel coat shall be chemical resistant. The internal outlet to storm water shall be baffled causing discharge of water from the pit bottom behind baffle. This will capture and keep all free-floating hydrocarbons in the pit.

(a) a removable stainless-steel solids and silt basket.

(b) Heavy-Duty H-20 traffic rated, ADA Style Cast-Iron Grate and H 20 rated cast iron Frame.

(c) be installed in accordance with manufacturer's written instructions and the contract documents.

(d) Couplings for sewer and Stormwater outlet connection shall be Fernco Model 1055-44 or approved equal and shall be supplied by Wastewater Diversion Systems, Inc. within the Demand Driven shower Systems package.

2.5 CAST IRON GRATE

Frame and Grate shall be Cast Iron with an H20 Load Rating. 32,000 pounds axel loading and 16,000 pounds wheel loading. Grate and Frame shall comply with AASHTO Bridge Design Criteria.

2.6 Pit Contained Hydrocarbon Removal,

The pit will require removal of the captured hydrocarbons. We recommend the use of Oil Absorbent Socks. The sock will absorb and retain oils and oil based liquids including lubricants and fuels without absorbing water. The used Socks should be changed when necessary and be disposed of properly.

Part 3 EXECUTION

3.1 INSTALLATION

A. Delivery and Storage

(A) Upon delivery of the equipment to the jobsite, the contractor shall take inventory of the shipment and immediately report to the equipment manufacturer any discrepancies between the equipment manufacturer's packing list and shipping documents.

(B) The contractor shall be responsible for off-loading and protection of all equipment against damage and during on-site storage and installation. Damaged equipment and materials will be replaced by the contractor at the contractor's expense.

3.2 SYSTEM START UP AND TRAINING

(A) Start - up service to inspect system installation, train maintenance personnel on the operation of the system, and review operation and maintenance manual shall be approved by WDS.

(B) The contractor shall verify in writing that the project is ready for field service. Copies of written verification shall be sent to: WASTEWATER DIVERSION SYSTEMS, INC. MECHANICSVILLE, VIRGINIA 23116, 804-873-1798 FOXWWSUSA@AOL.COM

(C) At a minimum the start - up shall consist of the following.

(D) Inspect the final installation to ensure it complies with the manufacturer's recommended installation procedures.

(E) Start-up of the equipment in the presence of the contractor and owner's operating personnel to confirm opening and closing of the diversion valve.

(F) Filling out and returning commissioning report to WDS, Inc.

3.3 WARRANTY

The equipment/system warranty, unless otherwise stated, shall be warranted to be free of defects in materials and workmanship for a period of 12 months from the date of startup or not more than 18 months after shipping date. The warranty will be voided if the equipment is not installed per the manufacturer's instructions and failing to fill out and return a startup report to WASTEWATER DIVERSION SYSTEMS, INC.

The WARRANTY will be voided if start up is performed by other than WASTEWATER DIVERSION SYSTEMS, INC. 8417 Erle Road, Mechanicsville, Virginia 23116, 804-730-1280, foxwwdsusa@aol.com or by anyone NOT designated and authorized in writing by WASTEWATER DIVERSION SYSTEMS, INC.

