

# Highland Double Basin Interceptor Tanks



## Highland Tank

Nominal Capacity (Gallons)	Sludge Capacity (Cubic Ft.)	Flow Rate (g.p.m.)	Dimensions		Inlet / Outlet	Thickness Head / Shell	Approximate Wt. (lbs.)
			Diameter	Length			
550	20	55	3'6"	7'9"	4"	7 ga.	1,092
1,000	40	100	4'0"	10'9"	6"	7 ga.	1,557
2,000	80	200	5'4"	12'0"	6"	7 ga.	2,275
3,000	120	300	5'4"	18'0"	8"	7 ga.	3,135
4,000	160	400	5'4"	24'0"	8"	7 ga.	4,065
5,000	230	500	6'0"	23'10"	8"	1/4"	6,187
6,000	275	600	6'0"	28'8"	10"	1/4"	7,843
7,000	315	700	7'0"	24'4"	10"	1/4"	8,643
8,000	385	800	7'0"	28'0"	10"	1/4"	9,484
9,000	400	900	8'0"	24'0"	12"	1/4"	9,517
10,000	465	1,000	8'0"	26'8"	12"	1/4"	11,514
12,000	600	1,200	8'0"	32'0"	12"	1/4"	13,255
15,000	685	1,500	10'0"	25'5"	14"	5/16"	17,937
20,000	1,000	2,000	10'6"	31'0"	16"	5/16"	21,701
25,000	1,250	2,500	10'6"	38'9"	18"	3/8"	29,374
30,000	1,580	3,000	10'6"	46'6"	20"	3/8"	34,815
40,000	2,000	4,000	12'0"	47'3"	24"	3/8"	44,700
50,000	2,650	5,000	12'0"	59'0"	24"	3/8"	52,830

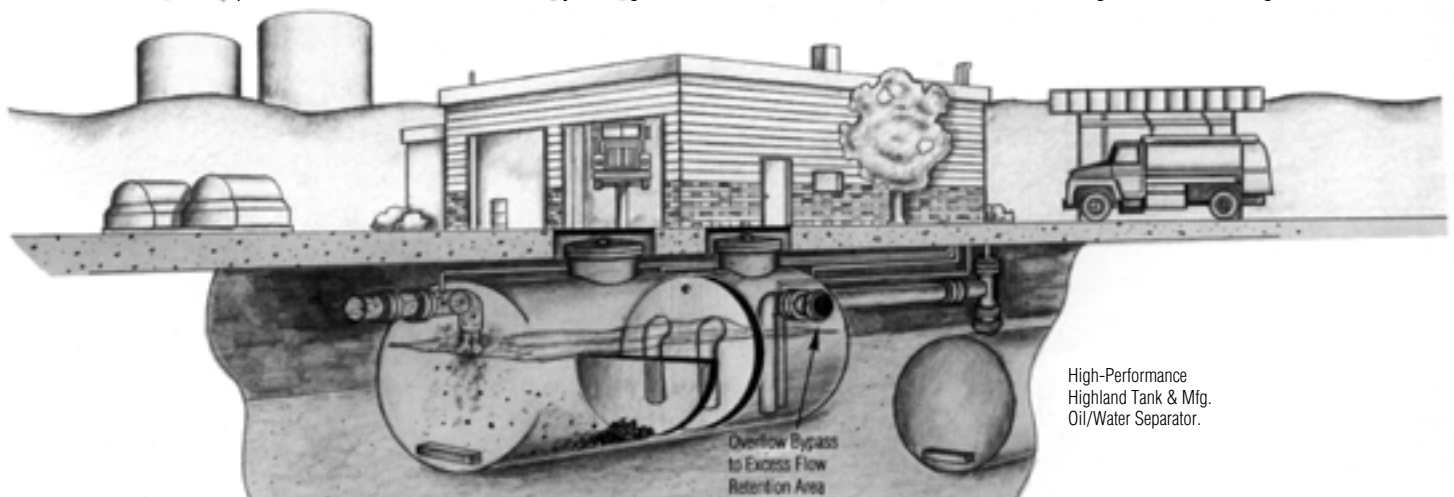
### HT-DB Interceptors

Highland HT-DB Interceptors are engineered to intercept and collect sand, grit, grease and free oil (hydrocarbons and other petroleum products) from storm water runoff, spills, or vehicle cleaning operations. Designed to accept gravity flow, HT-DB Interceptors retain wastewater long enough to allow those contaminants with specific gravities different than water, to separate out.

HT-DB Interceptors are designed for installation where the discharge flows from the Interceptor into a high performance Highland Tank & Mfg. Co. Oil/Water Separator. All HT-DB Interceptors are manufactured to rigid specifications meeting STI-P3® or ACT-100-U® codes. Highland STI-P3® and ACT-100-U® Interceptors are warranted for 30 years against external corrosion and for one

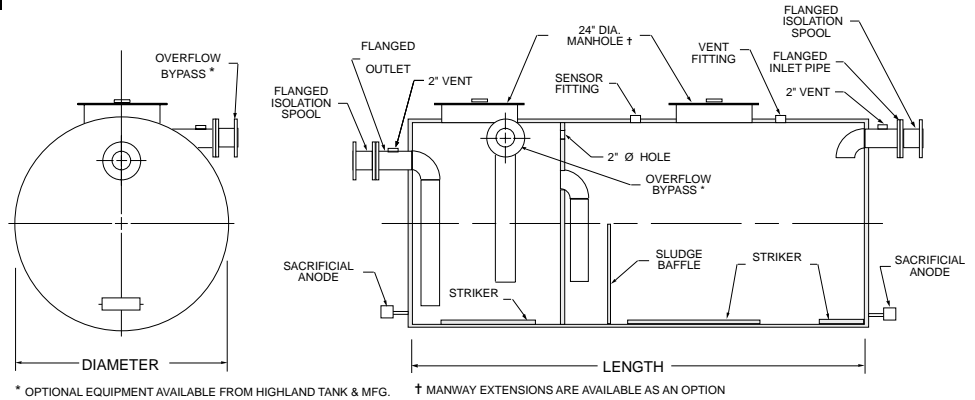
(1) year against failure due to defective materials and workmanship. An Overflow Bypass is available as an option to prevent overloading of the oil water separator in the event of a major storm.

A limited number of options including manway extensions are available upon request. Please contact Highland Tank & Mfg. Co. for details.



High-Performance  
Highland Tank & Mfg.  
Oil/Water Separator.

## HT-DB General Arrangement



\* OPTIONAL EQUIPMENT AVAILABLE FROM HIGHLAND TANK & MFG.

† MANWAY EXTENSIONS ARE AVAILABLE AS AN OPTION

## Recommended Guide Specification

Provide and install \_\_\_\_\_ Highland Tank & Mfg. Co. \_\_\_\_\_ gallon capacity, Model HT-DB Double Basin Interceptor(s). Interceptor(s) shall be \_\_\_\_\_ diameter and \_\_\_\_\_ long, constructed of \_\_\_\_\_ ga./in. mild carbon steel.

## Application

The Double Basin Interceptor shall be a gravity-type, wastewater treatment tank designed to intercept and collect sand, grit, grease and free oil (hydrocarbons and other petroleum products). Wastewater will then flow to a high performance Highland Tank & Mfg. Co. Oil/Water Separator for treatment prior to final discharge.

Where applicable, the Double Basin Interceptor can be equipped with an Overflow Bypass. When used in conjunction with a separator flow control device, the Overflow Bypass allows uncontrolled rainwater runoff to circumvent the separator entirely and be directed to impoundments.

## Design Criteria

- The Interceptor's Corrosion Control System shall be in strict accordance with either STI-P3® or ACT-100-U® specifications, with a 30 year warranty. Manufacturer must be a licensee of the Steel Tank Institute. No assigning or subcontracting of Steel Tank Institute license or warranty shall be permitted.
- The Interceptor shall be the standard product of a steel tank manufacturer regularly engaged in the production of such equipment. No subcontracting of tank fabrication shall be permitted.

- The Interceptor shall be fabricated, inspected and tested for leakage before shipment from the factory by manufacturer as a completely assembled vessel ready for installation.
- The Interceptor shall be a cylindrical, horizontal, atmospheric-type steel vessel intended for the separation and storage of sand, grit, grease and free oil (hydrocarbons and other petroleum products). The Interceptor shall have the structural strength to withstand static and dynamic hydraulic loading while empty and during operating conditions.

- The Interceptor shall consist of flanged inlet and outlet connections, fore-basin with heavy duty sludge baffle, fore-basin downcomer positioned to prevent discharge of free oil that has been separated from the wastewater, after-basin effluent downcomer, two (2) large manway pump-out access, heavy-duty striker plates, vent fitting, gauge fitting, and lifting lugs.

*Tank Accessories: Refer to the Highland Tank & Mfg. Co. Oil/Water Separator Binder.*



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