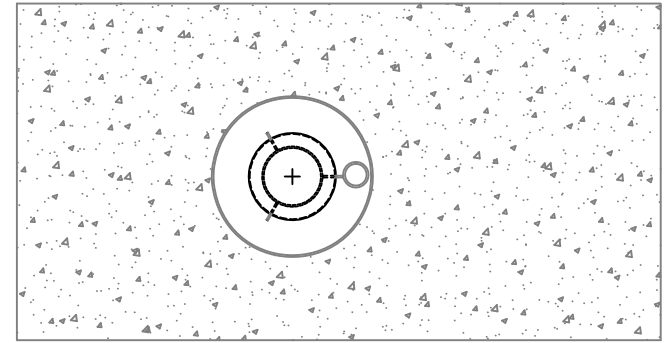


ESSCO CATCH BASINS & DRAIN HUBS ALLOW WATER TO FLOW THROUGH THE DRAIN WHILE BLOCKING HYDROCARBONS, TOXIC & FLAMABLE VAPORS FROM THE ATMOSPHERE. THE CAP IS REMOVABLE TO ALLOW FLUSHING OF ANY HYDROCARBONS THAT COLLECT ON THE WATER SEAL. ESSCO DRAINS MEET EPA REQUIREMENTS FOR THE FOLLOWING:

1. EPA COMPLIANCE FOR QQQ, B-1 & HON
2. API RP 500, 10.13.1, FIGURE 58, TYPE 1 OPEN DRAIN.

RECOMMENDED CONNECTION

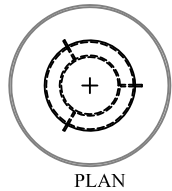
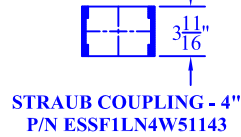
ESSCO RECOMMENDS THE STRAUB COUPLING FOR JOINING THE ESSCO DRAIN HUBS OR CATCH BASINS TO THE UNDERGROUND PIPING. THE STRAUB COUPLING MEETS THE REQUIREMENTS OF ASME B16.5 MAKING IT EQUAL TO A FLANGE OR WELD CONNECTION. THE STRAUB COUPLING IS A MUCH SAFER AND FASTER CONNECTION THAN WELDING TO CARBON STEEL PIPE AND WILL ALSO CONNECT CAST IRON, DUCTILE IRON, HDPE, RCP, & FRP PIPE. THE STRAUB COUPLING MAKES AN EXCEPTIONAL CONNECTION FOR UNDERGROUND PIPING BY ALLOWING THE PIPE TO BE DEFLECTED WITHIN THE COUPLING HOUSING TO MATCH THE SLOPE OF THE SEWER LINE. CONTACT ESSCO (225-753-1505) FOR MORE DETAILS.



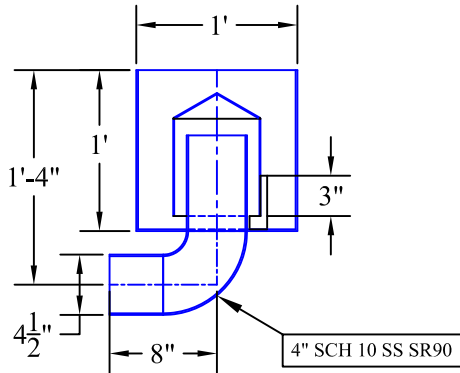
PLAN



STRAUB COUPLINGS CAN BE USED TO CONNECT ALL UNDERGROUND PIPING AND IS A MUCH FASTER AND SAFER CONNECTION THAN WELDING.
 4" BUTT WELD, FIELD FIT = 45 MIN.
 4" STRAUB CONNECTION = 5 TO 10 MIN.



PLAN



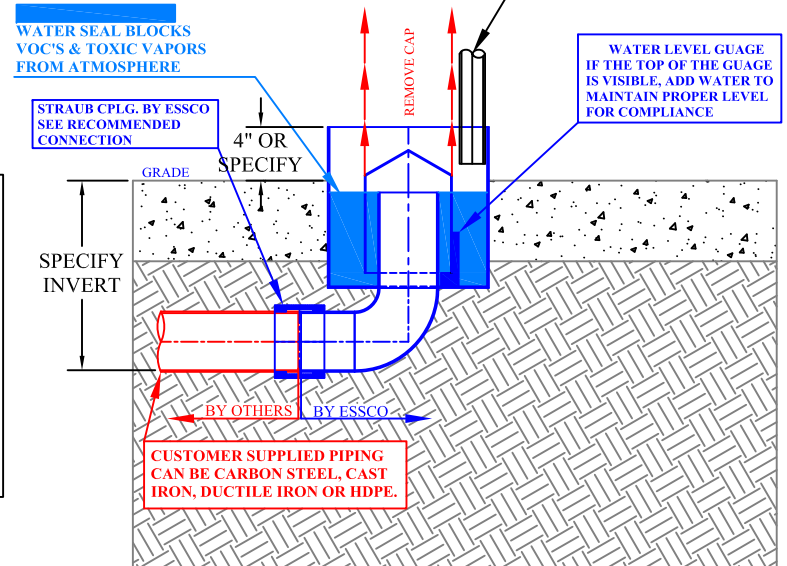
DRAIN HUB DESIGN REQUIREMENTS

1. FLOW REQUIRED (GPM) PER D H - _____
2. LINE SIZE - _____
3. LINE TYPE - _____ (CS, CI, DI, HDPE, PVC, ETC.)
4. INVERT ELEVATION - _____

ESSCO DRAIN HUBS CAN BE DESIGNED FOR ANY LINE SIZE & ANY FLOW REQUIREMENT

NOTE
ESSCO DRAIN HUBS CAN BE USED AS A CLEAN OUT BY SIMPLY REMOVING THE CAP

INSTALL 1 1/2" OR SMALLER LINES AS SHOWN TO REMOVE CAP TO FLUSH DRAIN PRIOR TO HOT WORK, ENVIRONMENTAL TESTING OR WHEN USING DRAIN AS A CLEANOUT



ESSCO DRAIN HUB FOR QQQ, B-1, HON & NSPS COMPLIANT PUMP OR VESSEL INSTALLATION

ENVIROSAFE PUMP OR VESSEL DRAIN HUB FOR 4" LINE

FLOW RATE = 200 GPM (APPROXIMATE) THROUGH PUMP DRAIN HUB AS DESIGNED
 FLOW RATE DOES NOT ACCOUNT FOR FRICTION LOSSES IN UNDERGROUND PIPING
 HIGHER FLOW RATES AVAILABLE, CONTACT ESSCO FOR MORE DETAILS

CUSTOMER:	DATE:	MATERIAL: TYPE 304 STAINLESS STEEL	DWG. NO:	REV : 0
	ESSCO PRODUCTS ARE PROTECTED BY U.S. & INTERNATIONAL PATENTS AND/OR PATENTS PENDING	ESSCO DRAIN HUB		
SERIAL NO.:	ESSCO ENVIROSAFE SEALING SYSTEMS CO., INC.			
	BATON ROUGE, LA (225) 753-1505			
		MODEL: ECB-PDH-12R4-12-SR90		