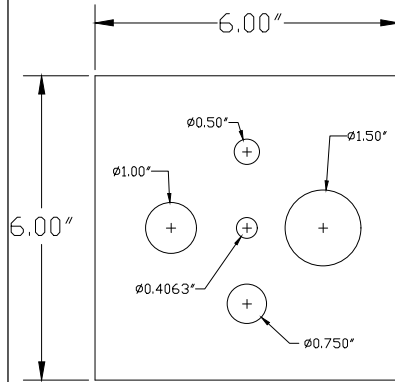
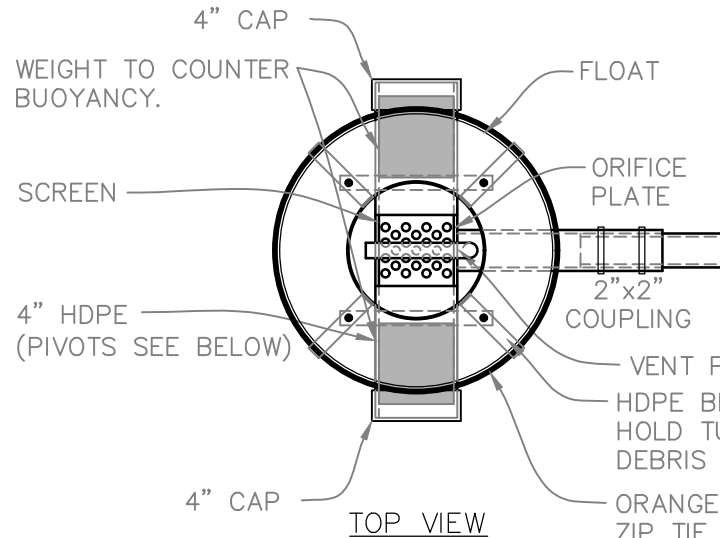




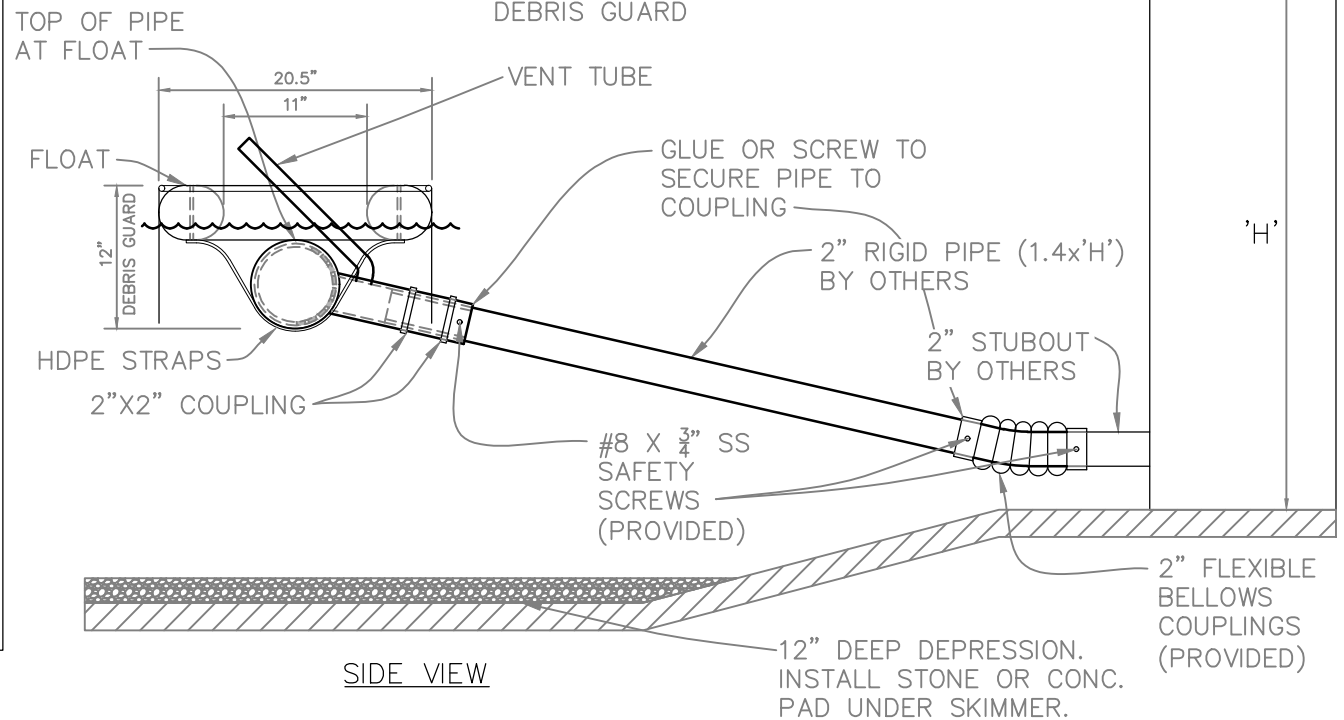
ORIFICE PLATE



TOP VIEW

STANDARD NOTES:

1. Rigid outlet pipe should be 1.4 times the height of outlet structure (H), (min. 8).
2. Inlet Orifice size can be reduced with 0.5", 0.75", 1.0", and 1.5" orifices provided.
3. Minimal assembly required. User provides rigid outlet pipe. All other materials and parts included.
4. Weight provided by 4.5 lbs. of stone ballast on each side of screen/orifice. Total of 9 lbs. Comes Pre-weighted.



SIDE VIEW

Water Depth	2" skimmer		2" skimmer - 1.5" Orifice		2" skimmer - 1.0" Orifice		2" skimmer - 0.75" Orifice		2" skimmer - 0.5" Orifice	
	cfs	cfm	cfs	cfm	cfs	cfm	cfs	cfm	cfs	cfm
0.1	0.0370	3195	0.0292	2522	0.0145	1251	0.0134	1155	0.0022	192
0.3	0.0408	3523	0.0301	2599	0.0152	1309	0.0136	1174	0.0025	212
0.5	0.0448	3869	0.0307	2656	0.0160	1386	0.0140	1213	0.0025	212
1	0.0492	4254	0.0316	2733	0.0167	1444	0.0143	1232	0.0027	231
1.5	0.0521	4504	0.0323	2791	0.0174	1501	0.0145	1251	0.0027	231
2	0.0544	4697	0.0325	2810	0.0176	1521	0.0145	1251	0.0027	231
2.5	0.0559	4832	0.0330	2849	0.0180	1559	0.0147	1270	0.0027	231
3	0.0575	4966	0.0332	2868	0.0183	1578	0.0147	1270	0.0027	231
3.5	0.0586	5063	0.0334	2887	0.0185	1598	0.0149	1290	0.0029	250
4	0.0597	5159	0.0334	2887	0.0187	1617	0.0149	1290	0.0029	250
Avg	0.0540	4668	0.0325	2810	0.0177	1526	0.0146	1258	0.0027	233

FLOW RATES BASED ON THIRD PARTY TESTING. FOR DESIGN PURPOSES ASSUME FLOW RATES REMAIN CONSTANT FOR DEPTHS GREATER THAN 4' OR EXTRAPOLATE BASED UPON LOST 3 DATA POINTS.

2" MARLEE FLOAT
0.5" - 2" Orifice
Skimmer Detail

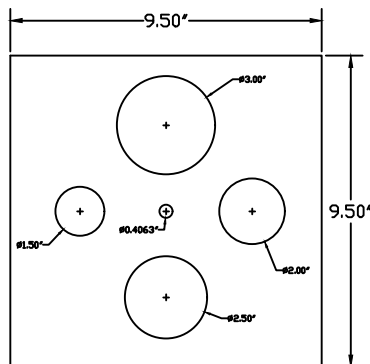


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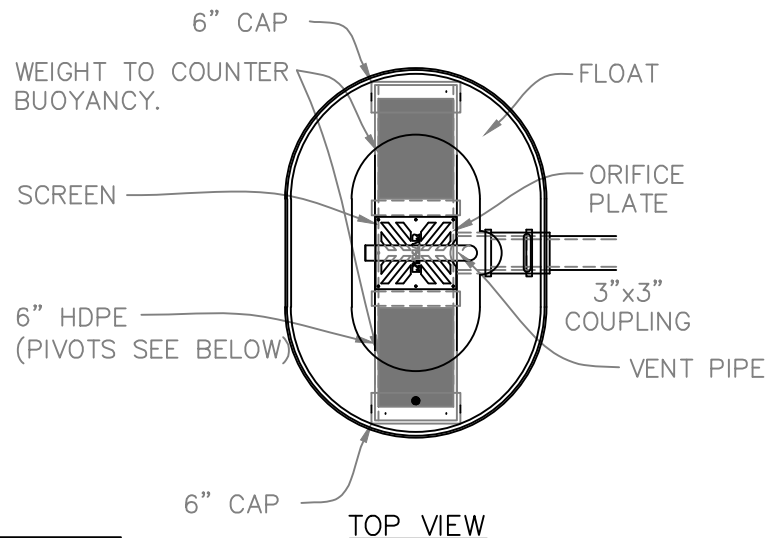
SCALE
N.T.S.
DATE
02/28/2020

PROPERTY LOCATION

County, State



ORIFICE PLATE



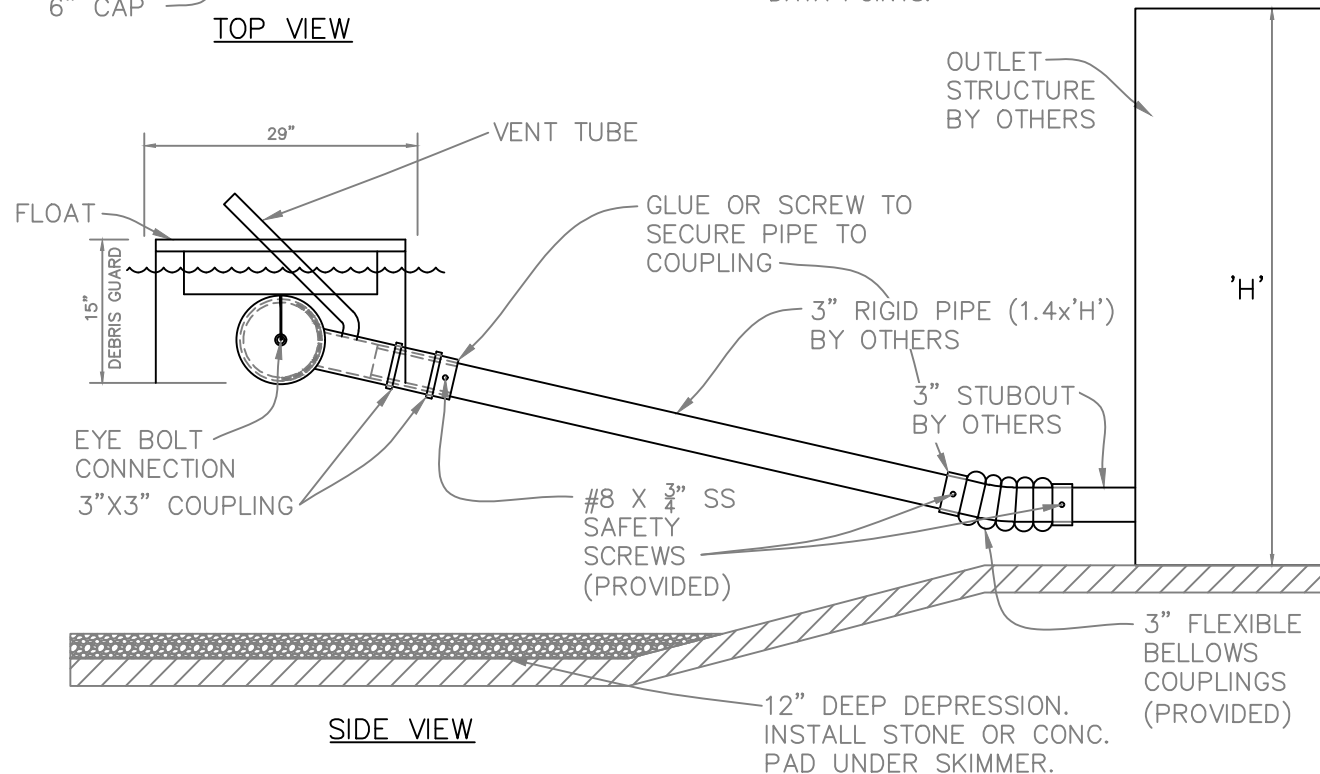
TOP VIEW

Water Depth	3" skimmer		3" skimmer - 2.5" Orifice		3" skimmer - 2" Orifice		3" skimmer - 1.5" Orifice	
	cfs	cfh	cfs	cfh	cfs	cfh	cfs	cfh
0.1	0.1020	8816	0.0700	6044	0.0570	4928	0.0292	2522
0.3	0.1165	10068	0.0829	7161	0.0610	5274	0.0323	2791
0.5	0.1239	10703	0.0898	7758	0.0631	5448	0.0339	2926
1	0.1346	11627	0.0998	8624	0.0659	5698	0.0359	3099
1.5	0.1413	12204	0.1063	9182	0.0675	5833	0.0372	3215
2	0.1462	12628	0.1110	9586	0.0688	5948	0.0383	3311
2.5	0.1502	12974	0.1150	9933	0.0697	6025	0.0390	3369
3	0.1535	13263	0.1181	10202	0.0706	6102	0.0397	3426
3.5	0.1564	13513	0.1210	10453	0.0713	6160	0.0401	3465
4	0.1589	13725	0.1234	10664	0.0720	6218	0.0408	3523
Avg	0.1456	12580	0.1105	9550	0.0686	5929	0.0381	3292

FLOW RATES BASED ON THIRD PARTY TESTING. FOR DESIGN PURPOSES ASSUME FLOW RATES REMAIN CONSTANT FOR DEPTHS GREATER THAN 4' OR EXTRAPOLATE BASED UPON LAST 3 DATA POINTS.

STANDARD NOTES:

1. Rigid outlet pipe should be 1.4 times the height of outlet structure (H), (min. 8).
2. Inlet Orifice size can be reduced with 1.5", 2.0", and 2.5" orifices provided.
3. Minimal assembly required. User provides rigid outlet pipe. All other materials and parts included.
4. Weight provided by 8 lbs. of stone ballast on each side of screen/orifice. Total of 16 lbs. Up to 4.5 lbs can be added to each side if skimmer floats due to longer pipe.



SIDE VIEW

**3" MARLEE FLOAT
1.5" - 3" Orifice
Skimmer Detail**

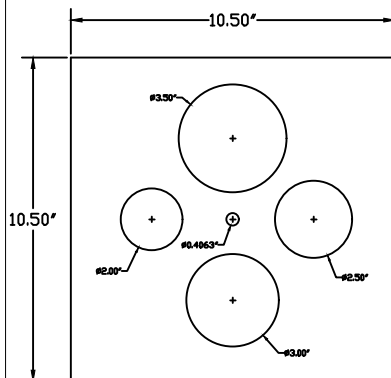


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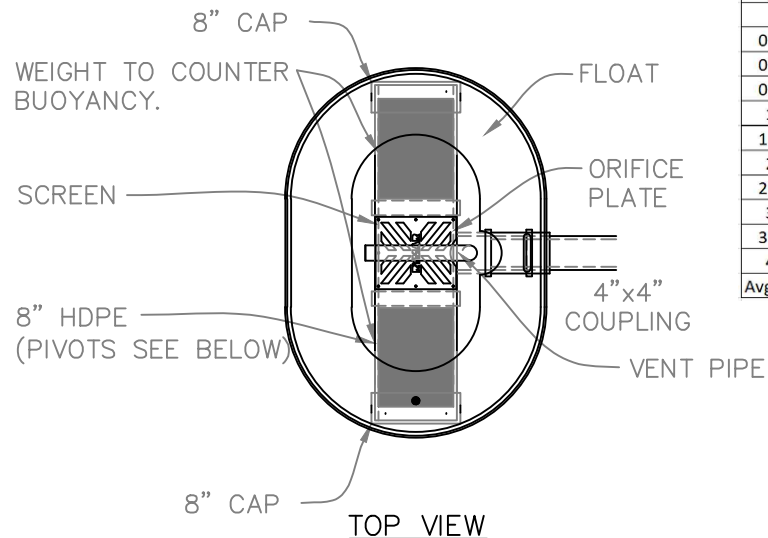
SCALE
N.T.S.
DATE
12/04/2022

PROPERTY LOCATION

County, State



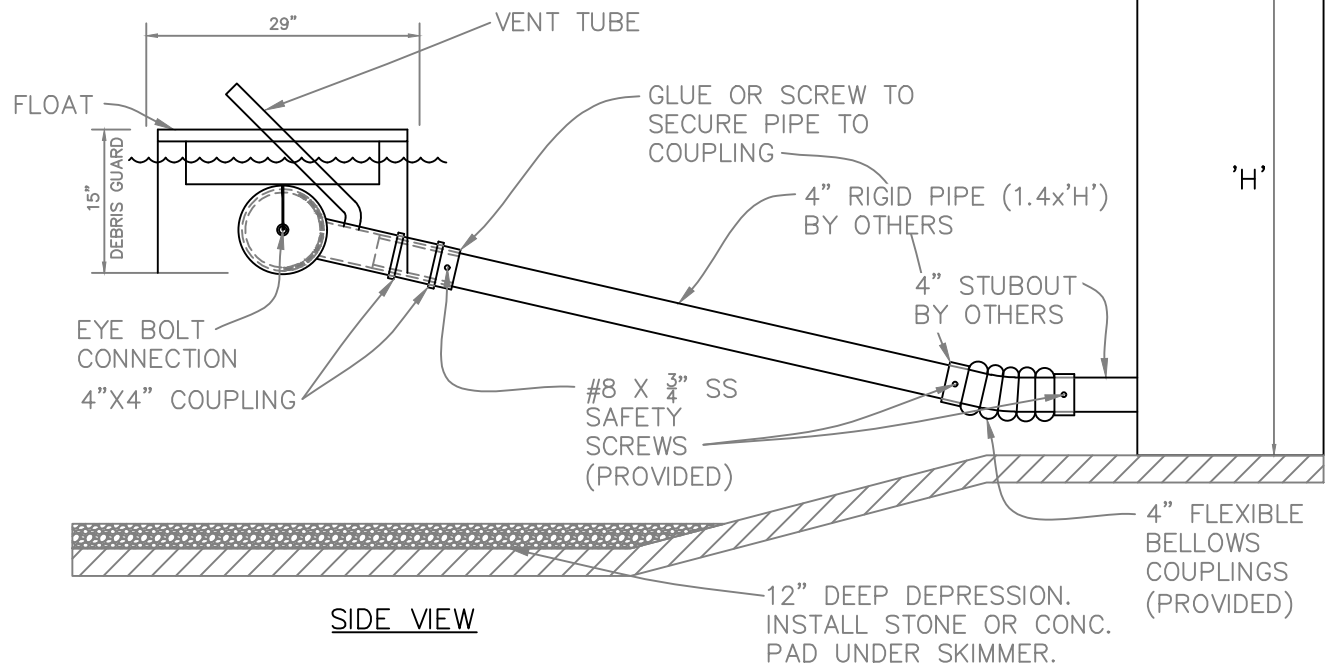
ORIFICE PLATE



TOP VIEW

STANDARD NOTES:

1. Rigid outlet pipe should be 1.4 times the height of outlet structure (H), (min. 8).
2. Inlet Orifice size can be reduced with 2.0", 2.5", 3.0", 3.5" and 4.0" orifices provided.
3. Minimal assembly required. User provides rigid outlet pipe. All other materials and parts included.
4. Weight provided by 14 lbs. of stone ballast on each side of screen/orifice. Total of 28 lbs. Up to additional 6 lbs can be added to each side if skimmer floats due to longer pipe.



SIDE VIEW

Water Depth	4" skimmer		4" skimmer - 3.5" Orifice		4" skimmer - 3.0" Orifice		4" skimmer - 2.5" Orifice		4" skimmer - 2.0" Orifice	
	cfs	cfd	cfs	cfd	cfs	cfd	cfs	cfd	cfs	cfd
0.1	0.2261	19539	0.1874	16189	0.1352	11685	0.0967	8354	0.0657	5679
0.3	0.2647	22869	0.2025	17498	0.1466	12666	0.1023	8836	0.0691	5967
0.5	0.2850	24621	0.2101	18153	0.1524	13167	0.1052	9086	0.0709	6121
1	0.3144	27162	0.2206	19057	0.1604	13860	0.1089	9413	0.0731	6314
1.5	0.3333	28798	0.2270	19616	0.1653	14283	0.1112	9606	0.0744	6429
2	0.3473	30011	0.2317	20020	0.1689	14591	0.1130	9760	0.0755	6526
2.5	0.3585	30973	0.2355	20347	0.1718	14842	0.1143	9875	0.0762	6583
3	0.3681	31801	0.2386	20617	0.1740	15034	0.1154	9971	0.0769	6641
3.5	0.3763	32513	0.2413	20848	0.1760	15207	0.1163	10048	0.0773	6680
4	0.3834	33129	0.2435	21040	0.1778	15361	0.1170	10106	0.0780	6737
Avg	0.3458	29876	0.2310	19962	0.1683	14543	0.1127	9733	0.0753	6504

FLOW RATES BASED ON THIRD PARTY TESTING. FOR DESIGN PURPOSES ASSUME FLOW RATES REMAIN CONSTANT FOR DEPTHS GREATER THAN 4' OR EXTRAPOLATE BASED UPON LOST 3 DATA POINTS.

4" MARLEE FLOAT
2" - 4" Orifice
Skimmer Detail

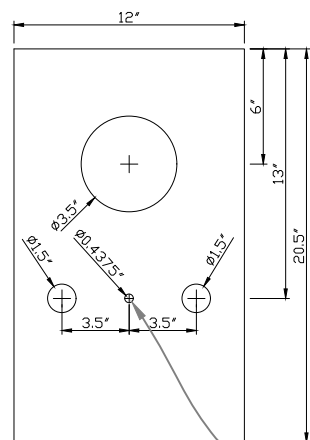


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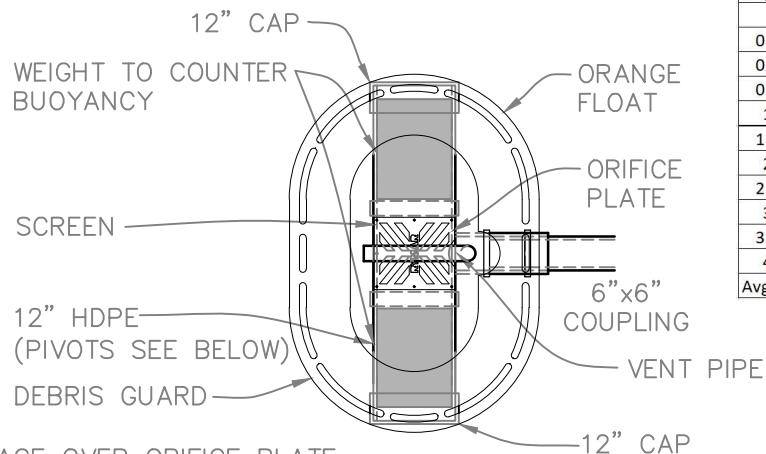
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DATE
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PROPERTY LOCATION

County, State



ORIFICE PLATE
(3.5" ORIFICE SHOWN)
(4", 4.5", AND 5"
ORIFICE PLATES WILL
ALSO BE INCLUDED)

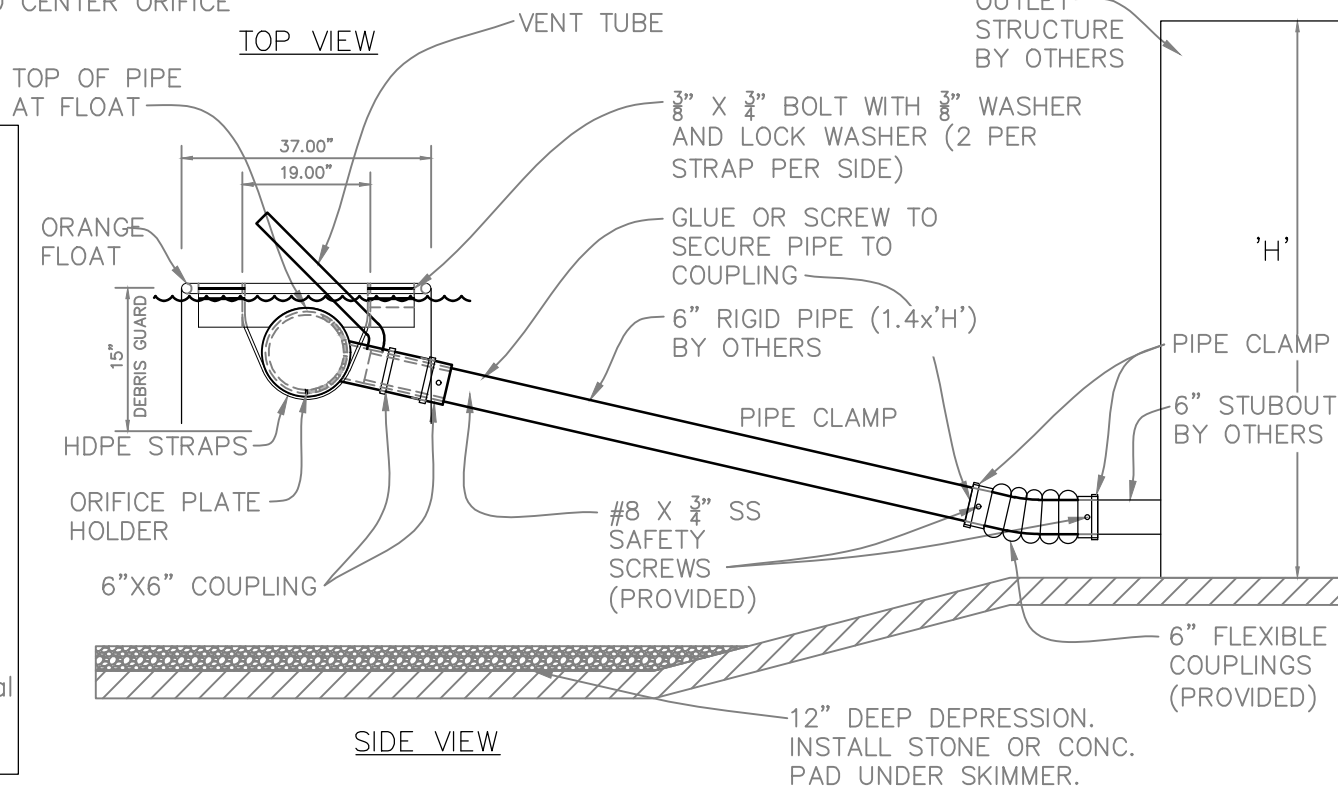


PLACE OVER ORIFICE PLATE
HOLDER TO CENTER ORIFICE

TOP VIEW

STANDARD NOTES:

1. Rigid outlet pipe should be 1.4 times the height of outlet structure (H), (min. 8).
2. Inlet Orifice size can be reduced with 3.5", 4.0", 4.5" and 5.0" orifices provided.
3. Minimal assembly required. User provides rigid outlet pipe. All other materials and parts included.
4. Weight provided by 40 lbs. of stone ballast on each side of screen/orifice. Total of 80 lbs..



SIDE VIEW

Water Depth	6" skimmer		6" skimmer - 5" Orifice		6" skimmer - 4.5" Orifice		6" skimmer - 4" Orifice		6" skimmer - 3.5" Orifice	
	cfs	cfm	cfs	cfm	cfs	cfm	cfs	cfm	cfs	cfm
0.1	0.4481	38712	0.3592	31031	0.2166	18711	0.1865	16112	0.1406	12147
0.3	0.5280	45622	0.4017	34708	0.2691	23254	0.2201	19019	0.1662	14360
0.5	0.5699	49241	0.4231	36556	0.2977	25718	0.2377	20540	0.1794	15496
1	0.6323	54631	0.4538	39212	0.3413	29491	0.2638	22792	0.1994	17229
1.5	0.6717	58039	0.4730	40868	0.3696	31936	0.2805	24236	0.2119	18307
2	0.7014	60599	0.4870	42080	0.3912	33803	0.2930	25314	0.2212	19115
2.5	0.7252	62659	0.4982	43043	0.4088	35324	0.3028	26161	0.2290	19789
3	0.7453	64391	0.5075	43851	0.4238	36613	0.3113	26892	0.2353	20328
3.5	0.7626	65893	0.5156	44544	0.4369	37749	0.3186	27527	0.2408	20809
4	0.7780	67221	0.5227	45160	0.4487	38769	0.3251	28086	0.2457	21233
Avg	0.6983	60334	0.4851	41914	0.3898	33675	0.2916	25193	0.2204	19038

FLOW RATES BASED ON THIRD PARTY TESTING.
FOR DESIGN PURPOSES ASSUME FLOW RATES
REMAIN CONSTANT FOR DEPTHS GREATER THAN
4' OR EXTRAPOLATE BASED UPON LAST 3
DATA POINTS.

6" MARLEE FLOAT
3.5" - 6" Orifice
Skimmer Detail

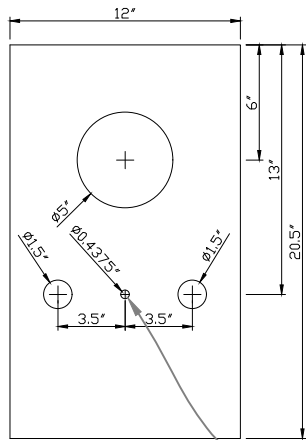


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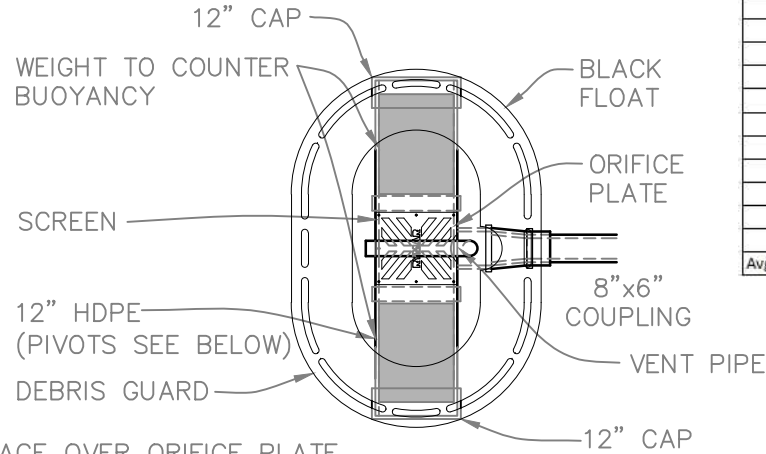
SCALE
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DATE
07/16/2020

PROPERTY LOCATION

County, State



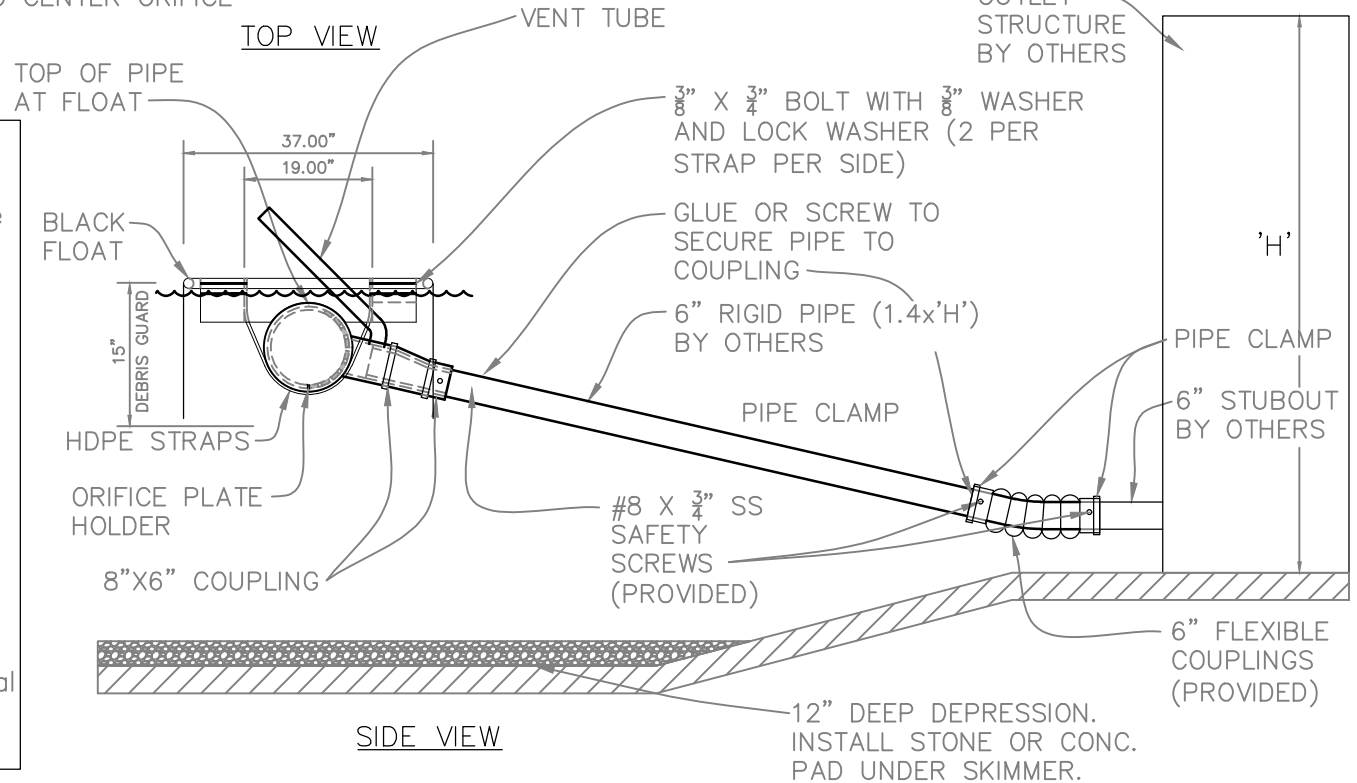
ORIFICE PLATE
(5" ORIFICE SHOWN)
(6", 6.5", AND 7"
ORIFICE PLATES
WILL ALSO BE
INCLUDED)



PLACE OVER ORIFICE PLATE
HOLDER TO CENTER ORIFICE

STANDARD NOTES:

1. Rigid outlet pipe should be 1.4 times the height of outlet structure (H), (min. 8).
2. Inlet Orifice size can be reduced with 5.0", 6.0", 6.5" and 7.0" orifices provided.
3. Minimal assembly required. User provides rigid outlet pipe. All other materials and parts included.
4. Weight provided by 40 lbs. of stone ballast on each side of screen/orifice. Total of 80 lbs..



Water Depth	8" skimmer - 6" pipe		8" skimmer - 7.0" Orifice		8" skimmer - 6.5" Orifice		8" skimmer - 6" Orifice		8" skimmer - 5.0" Orifice	
	cfs	cfm	cfs	cfm	cfs	cfm	cfs	cfm	cfs	cfm
0.1	0.6399	55286	0.4768	41195	0.4784	41330	0.4278	36960	0.3941	34053
0.3	0.8308	71783	0.6512	56268	0.5840	50454	0.5171	44679	0.4387	37903
0.5	0.9378	81023	0.7528	65046	0.6406	55344	0.5648	48799	0.4612	39847
1	1.1058	95538	0.9164	79175	0.7263	62755	0.6365	54997	0.4937	42658
1.5	1.2174	105182	1.0280	88819	0.7818	67548	0.6827	58982	0.5136	44371
2	1.3036	112632	1.1156	96385	0.8235	71148	0.7174	61985	0.5283	45642
2.5	1.3745	118753	1.1884	102679	0.8576	74093	0.7457	64430	0.5398	46643
3	1.4353	124008	1.2515	108127	0.8863	76576	0.7696	66489	0.5496	47490
3.5	1.4888	128628	1.3074	112959	0.9115	78752	0.7903	68280	0.5579	48202
4	1.5369	132786	1.3580	117329	0.9338	80677	0.8088	69877	0.5652	48837
Avg	1.3000	112319	1.1148	96315	0.8202	70862	0.7145	61730	0.5262	45461

FLOW RATES BASED ON THIRD PARTY TESTING.
FOR DESIGN PURPOSES ASSUME FLOW RATES
REMAIN CONSTANT FOR DEPTHS GREATER THAN
4' OR EXTRAPOLATE BASED UPON LAST 3
DATA POINTS.

8" MARLEE FLOAT
5" - 8" Orifice
Skimmer Detail



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PROPERTY LOCATION

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