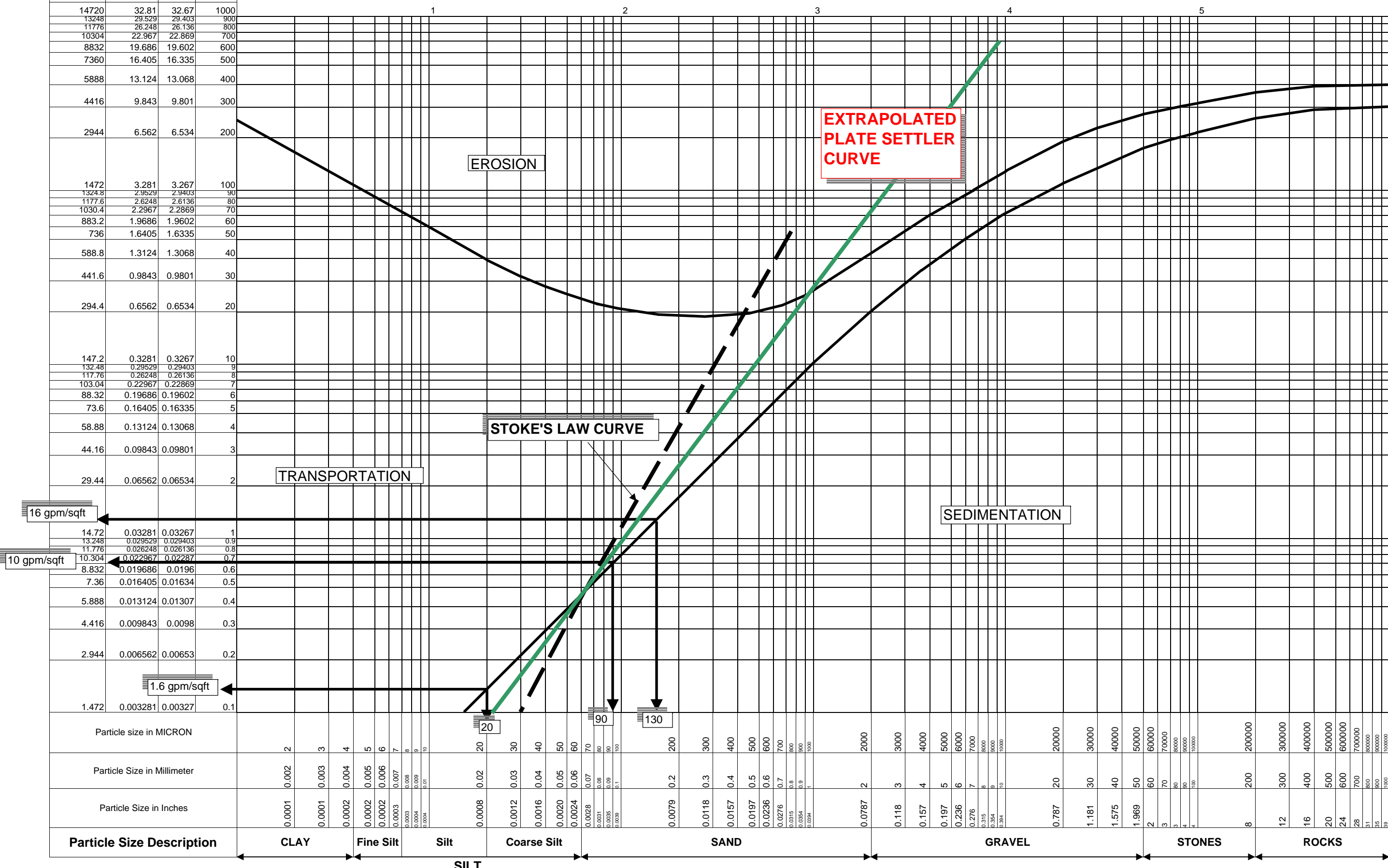


Hjulström Diagram with effluent grab sample particle size related to surface loading rate leaving the plate settler.

AVERAGE LOADING AND VELOCITY

GPM/SQ FT	CFS/SQ FT	FT/SEC	CM/SEC
14720	32.81	32.67	1000
13248	29.529	29.403	900
11776	26.248	26.136	800
10304	22.967	22.869	700
8832	19.686	19.602	600
7360	16.405	16.335	500
5888	13.124	13.068	400
4416	9.843	9.801	300
2944	6.562	6.534	200
1472	3.281	3.267	100
1324.8	2.9529	2.9403	90
1177.6	2.6248	2.6136	80
1030.4	2.2967	2.2869	70
883.2	1.9686	1.9602	60
736	1.6405	1.6335	50
588.8	1.3124	1.3068	40
441.6	0.9843	0.9801	30
294.4	0.6562	0.6534	20
147.2	0.3281	0.3267	10
132.48	0.29529	0.29403	9
117.76	0.26248	0.26136	8
103.04	0.22967	0.22869	7
88.32	0.19686	0.19602	6
73.6	0.16405	0.16335	5
58.88	0.13124	0.13068	4
44.16	0.09843	0.09801	3
29.44	0.06562	0.06534	2
14.72	0.03281	0.03267	1
13.248	0.029529	0.029403	0.9
11.776	0.026248	0.026136	0.8
10.304	0.022967	0.02287	0.7
8.832	0.019686	0.0196	0.6
7.36	0.016405	0.01634	0.5
5.888	0.013124	0.01307	0.4
4.416	0.009843	0.0098	0.3
2.944	0.006562	0.00653	0.2
1.472	0.003281	0.00327	0.1



**EXTRAPOLATED
PLATE SETTLER
CURVE**

EROSION

STOKE'S LAW CURVE

TRANSPORTATION

SEDIMENTATION

16 gpm/sqft

10 gpm/sqft

1.6 gpm/sqft

20

90

130

Particle size in MICRON

Particle Size in Millimeter

Particle Size in Inches

Particle Size Description

CLAY

Fine Silt

Silt

Coarse Silt

SAND

GRAVEL

STONES

ROCKS

SILT