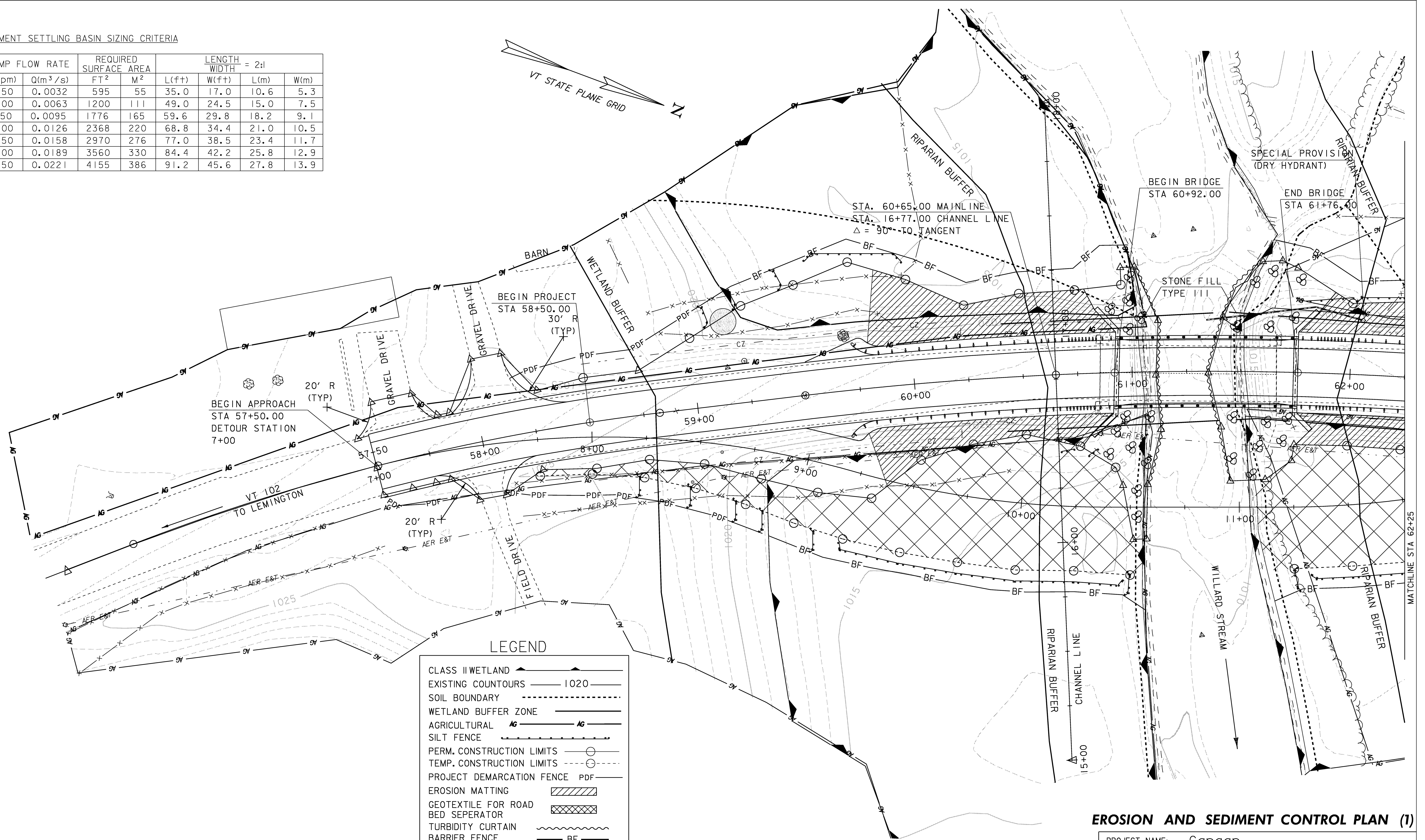


SEDIMENT SETTLING BASIN SIZING CRITERIA

PUMP FLOW RATE		REQUIRED SURFACE AREA		LENGTH = 2:l			
Q(gpm)	Q(m <sup>3</sup> /s)	FT <sup>2</sup>	M <sup>2</sup>	L(ft)	W(ft)	L(m)	W(m)
50	0.0032	595	55	35.0	17.0	10.6	5.3
100	0.0063	1200	111	49.0	24.5	15.0	7.5
150	0.0095	1776	165	59.6	29.8	18.2	9.1
200	0.0126	2368	220	68.8	34.4	21.0	10.5
250	0.0158	2970	276	77.0	38.5	23.4	11.7
300	0.0189	3560	330	84.4	42.2	25.8	12.9
350	0.0221	4155	386	91.2	45.6	27.8	13.9



**LEGEND**

- CLASS II WETLAND
- EXISTING COUNTOURS 1020
- SOIL BOUNDARY
- WETLAND BUFFER ZONE
- AGRICULTURAL AG
- SILT FENCE
- PERM. CONSTRUCTION LIMITS
- TEMP. CONSTRUCTION LIMITS
- PROJECT DEMARCATION FENCE PDF
- EROSION MATTING
- GEOTEXTILE FOR ROAD BED SEPERATOR
- TURBIDITY CURTAIN
- BARRIER FENCE BF
- PROPOSED SEDIMENT DEWATERING LOCATION

SCALE 1" = 20'-0"

**EROSION AND SEDIMENT CONTROL PLAN (1)**

PROJECT NAME: Canaan  
 PROJECT NUMBER: ER ST 0271(16)  
 FILE NAME: Structures\04c098erobdr.d PLOT DATE: 18-AUG-2008  
 PROJECT LEADER: M. Evans-Mongeon DRAWN BY: T. Husk  
 DESIGNED BY: S. Scribner CHECKED BY: S. SCRIBNER  
 x04c098erol1 SHEET 19 OF 66