

THE MORIN-CAMERON GROUP, INC.

66 Elm Street
Danvers, MA 01923
p | 978.777.8586

Standard 4: Total Suspended Solids Calculation for Subsurface Infiltration System (P-1)

Name: 27.5 & 29 Clarks Road
Location: 27.5 & 29 Clarks Road
Amesbury, MA
County: Essex County
Applicant: Eagles Crossing, LLC

Proj. No.: 3962
Date: 10/20/2025
Revised: 12/12/2025
Computed by: Dan Sievers, P.E.
Checked by: William Schkuta, P.E.

Pretreatment= 75% (greater than 44% - OK)

TSS Removal
Calculation
Worksheet

B	C	D	E	F
BMP	TSS Removal Rate	Starting TSS Load (*F)	Amount Removed (C*D)	Remaining Load (D-E)
Proprietary Treatment Practice	0.75	1.00	0.75	0.25
Subsurface Infiltration Structure	0.80	0.25	0.20	0.05
	0.00	0.05	0.00	0.05
	0.00	0.05	0.00	0.05
	0.00	0.05	0.00	0.05

Total TSS Removal =

95%

*Equals remaining load from previous BMP (E)
which enters the BMP

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Standard 4: Total Suspended Solids Calculation for Subsurface Infiltration System (P-2)

Name: 27.5 & 29 Clarks Road
Location: 27.5 & 29 Clarks Road
Amesbury, MA
County: Essex County
Applicant: Eagles Crossing, LLC

Proj. No.: 3962
Date: 10/20/2025
Revised: 12/12/2025
Computed by: Dan Sievers, P.E.
Checked by: William Schkuta, P.E.

Pretreatment = 75% (greater than 44% - OK)

TSS Removal
Calculation
Worksheet

B	C	D	E	F
BMP	TSS Removal Rate	Starting TSS Load (*F)	Amount Removed (C*D)	Remaining Load (D-E)
Proprietary Treatment Practice	0.75	1.00	0.75	0.25
Subsurface Infiltration Structure	0.80	0.25	0.20	0.05
	0.00	0.05	0.00	0.05
	0.00	0.05	0.00	0.05
	0.00	0.05	0.00	0.05

Total TSS Removal = 95%

*Equals remaining load from previous BMP (E) which enters the BMP

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Standard 4: Total Suspended Solids Calculation for Infiltration System (P-3)

Name: 27.5 & 29 Clarks Road
Location: 27.5 & 29 Clarks Road
Amesbury, MA
County: Essex County
Applicant: Eagles Crossing, LLC

Proj. No.: 3962
Date: 10/20/2025
Revised: 12/12/2025
Computed by: Dan Sievers, P.E.
Checked by: William Schkuta, P.E.

Pretreatment = 75% (greater than 44% - OK)

TSS Removal
Calculation
Worksheet

B	C	D	E	F
BMP	TSS Removal Rate	Starting TSS Load (*F)	Amount Removed (C*D)	Remaining Load (D-E)
Infiltration Basin	0.80	1.00	0.80	0.20
	0.00	0.20	0.00	0.20
	0.00	0.20	0.00	0.20
	0.00	0.20	0.00	0.20
	0.00	0.20	0.00	0.20

Total TSS Removal =

80%

*Equals remaining load from previous BMP (E)
which enters the BMP