

STRUCTURAL BMP- ESTIMATED NITROGEN REMOVAL

Receiving Water: Agawam River

BMP Type: Infiltration Trench – Runoff Reduction (RR)

Location: Cherry Street @ House #7

Description: 13 Concrete Galleys

Total Contributory Area: 4.17 Acres

Impervious Cover: 0.90 Acres

Pervious Cover: 3.27 Acres HSG "A"

Annual Nitrogen Load: 12.79 lbs/year

BMP Storage Volume: 1,231 cubic feet

Nitrogen Load Reduction: 40% or 5.12 lbs/year

STRUCTURAL BMP- ESTIMATED NITROGEN REMOVAL

Receiving Water: Agawam River

BMP Type: Infiltration Trench – Runoff Reduction (RR)

Location: Washburn Court @ Cherry Street

Description: 5 Concrete Galleys

Total Contributory Area: 0.30 Acres

Impervious Cover: 0.19 Acres

Pervious Cover: 0.11 Acres HSG "A"

Annual Nitrogen Load: 2.68 lbs/year

BMP Storage Volume: 488 cubic feet

Nitrogen Load Reduction: 50% or 1.34 lbs/year

STRUCTURAL BMP- ESTIMATED NITROGEN REMOVAL

Receiving Water: Agawam River

BMP Type: Infiltration Trench – Runoff Reduction (RR)

Location: 12-23 Washburn Court

Description: 10 Concrete Galleys

Total Contributory Area: 0.84 Acres

Impervious Cover: 0.27 Acres

Pervious Cover: 0.57 Acres HSG "A"

Annual Nitrogen Load: 3.83 lbs/year

BMP Storage Volume: 976 cubic feet

Nitrogen Load Reduction: 56% or 2.15 lbs/year

STRUCTURAL BMP- ESTIMATED NITROGEN REMOVAL

Receiving Water: Agawam River

BMP Type: Infiltration Trench – Runoff Reduction (RR)

Location: 5 Washburn Court

Description: 5 Concrete Galleys

Total Contributory Area: 0.85 Acres

Impervious Cover: 0.19 Acres

Pervious Cover: 0.66 Acres HSG "A"

Annual Nitrogen Load: 2.70 lbs/year

BMP Storage Volume: 488 cubic feet

Nitrogen Load Reduction: 50% or 1.35 lbs/year

STRUCTURAL BMP- ESTIMATED NITROGEN REMOVAL

Receiving Water: Agawam River

BMP Type: Infiltration Trench – Runoff Reduction (RR)

Location: Avenue A @ Cherry Street

Description: 8 Concrete Galleys

Total Contributory Area: 1.46 Acres

Impervious Cover: 0.46 Acres

Pervious Cover: 1.00 Acres HSG "A"

Annual Nitrogen Load: 6.52 lbs/year

BMP Storage Volume: 743 cubic feet

Nitrogen Load Reduction: 45% or 2.93 lbs/year

STRUCTURAL BMP- ESTIMATED NITROGEN REMOVAL

Receiving Water: Agawam River

BMP Type: Infiltration Trench – Runoff Reduction (RR)

Location: 6 Oakdale Street

Description: 12 Concrete Galleys

Total Contributory Area: 4.6 Acres

Impervious Cover: 0.80 Acres

Pervious Cover: 3.60 Acres HSG "A"

Annual Nitrogen Load: 11.39 lbs/year

BMP Storage Volume: 1,146 cubic feet

Nitrogen Load Reduction: 40% or 4.56 lbs/year
