

# PRINCETON ACADEMY OF THE SACRED HEART

## 1128 GREAT ROAD

This site currently has 156,000 square feet of impervious cover, creating 4.56 million gallons of stormwater runoff and flushing 469 pounds of pollutants into the Beden Brook each year.

These BMPs would remediate 99% of the site's impervious cover and could remove 259 pounds of pollutants from the Beden Brook annually and restore 4.29 million gallons of water to the natural water cycle.

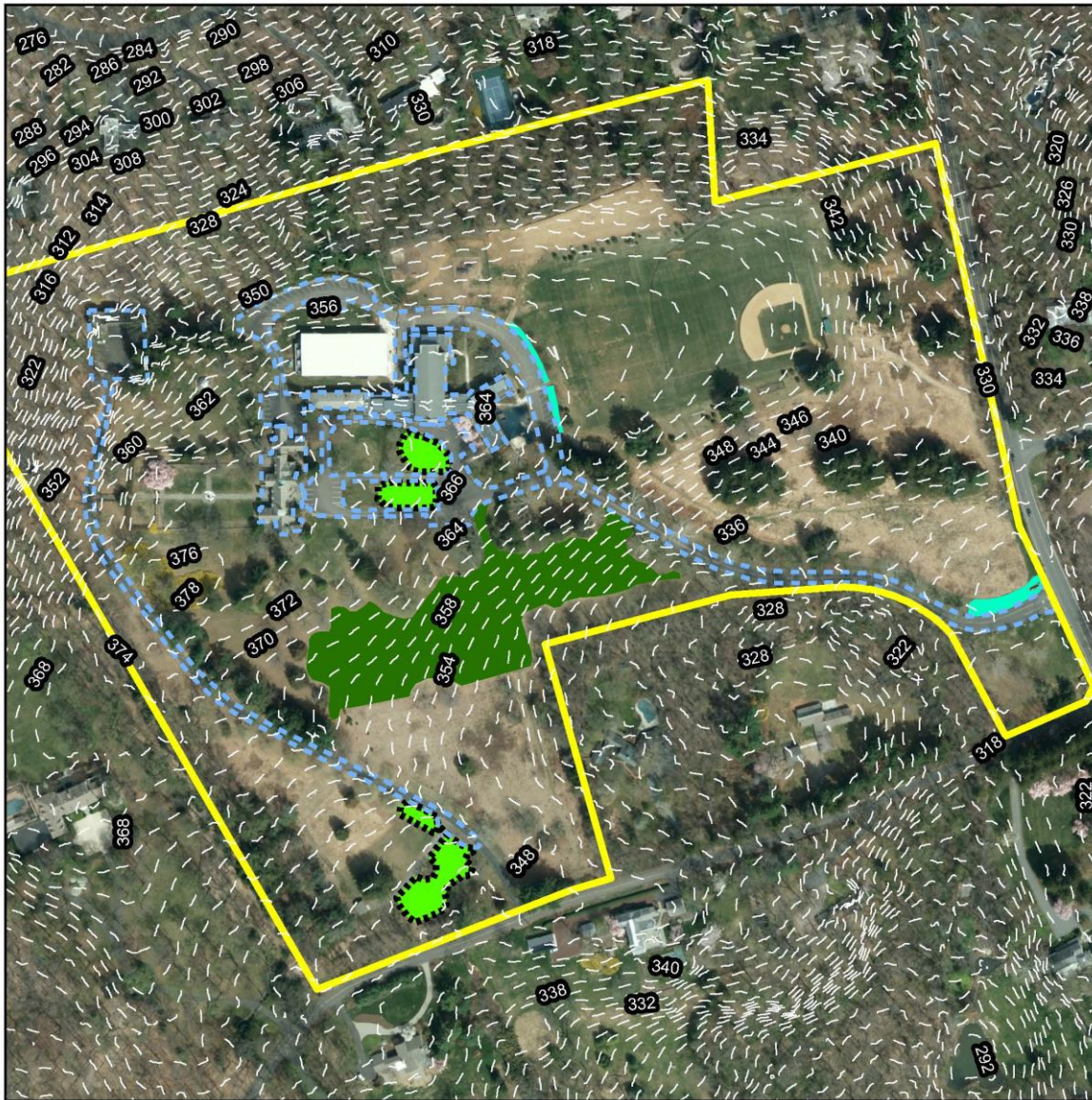


Table 1: Site Information

Impervious Cover		Existing Annual Loads (lb/yr)			Runoff Volume (gal)		
Square Footage	Percentage	TP	TN	TSS	Water Quality Storm	Two Year Storm	Annual Rainfall
155,848	8.2%	3.58	35.78	429.33	121,440	320,602	4,560,327

Table 2: BMPs

BMP Type	BMP Area (sq ft)	Reduction Potential (lb/yr)			Maximum Volume Reduction Potential (gal/storm)	Recharge Potential (gal/year)	Estimated Cost
		TP	TN	TSS			
Bioswale 1	3,657	0.05	0.25	9.07	45,773	618,529	\$18,287.10
Bioswale 2	2,033	0.03	0.14	5.04	26,239	354,569	\$10,167.10
Rain Garden 1	11,862	0.16	0.82	29.41	64,091	866,061	\$59,309.80
Rain Garden 2	9,368	0.13	0.65	23.23	50,809	686,581	\$46,842.45
Vegetated Swale	94,789	0.65	6.53	182.79	130,425	1,762,440	\$284,367.42
Total	121,710	1.02	8.38	249.54	317,337	4,288,180	\$418,973.87



**PRINCETON ACADEMY  
OF THE SACRED HEART  
1128 GREAT ROAD**

-  Property Line
-  Drainage Area
-  Bioswale
-  Rain Garden
-  Vegetated Filter

0 130 260 520 Feet



# CENTURION MINISTRIES 1000 HERRONTOWN ROAD

This site currently has 43,200 square feet of impervious cover, creating 1.26 million gallons of stormwater runoff and flushing 130 pounds of pollutants into the Lower Millstone River each year.

These BMPs would remediate 72.4% of the site's impervious cover and could remove 23.3 pounds of pollutants from the Lower Millstone River annually and restore 870,000 gallons of water to the natural water cycle.

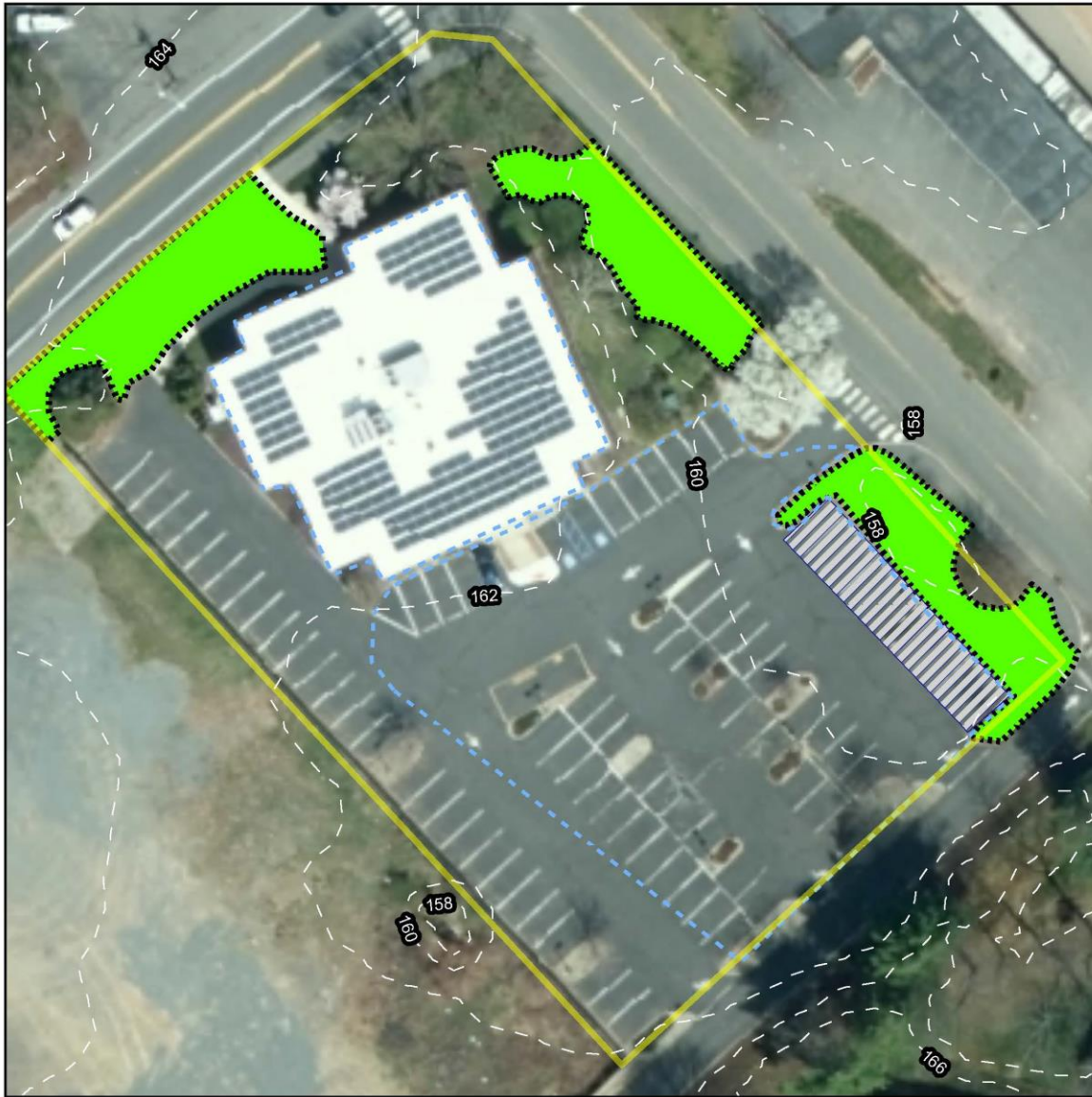


Table 1: Site Information

Impervious Cover		Existing Annual Loads (lb/yr)			Runoff Volume (gal)		
Square Footage	Percentage	TP	TN	TSS	Water Quality Storm	Two Year Storm	Annual Rainfall
43,229	72.3%	0.99	9.92	119.09	33,685	88,928	1,264,938

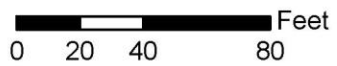
Table 2: BMPs

BMP Type	BMP Area (sq ft)	Reduction Potential (lb/yr)			Maximum Volume Reduction Potential (gal/storm)	Recharge Potential (gal/year)	Estimated Cost
		TP	TN	TSS			
Rain Garden 1	4,967	0.07	0.34	12.31	24,701	333,782	\$24,833.20
Porous Pavement	1,717	0.02	0.20	3.79	25,695	347,219	\$20,609.64
Rain Garden 2	2,573	0.04	0.18	6.38	13,955	188,571	\$12,865.35
Total	9,257	0.13	0.72	22.48	64,351	869,571	\$58,308.19



**CENTURION MINISTRIES  
1000 HERRONTOWN ROAD**

-  Property Line
-  Drainage Area
-  Porous Pavement
-  Rain Garden



# JEWISH CENTER OF PRINCETON

## 435 NASSAU STREET

This site currently has 113,000 square feet of impervious cover, creating 3.31 million gallons of stormwater runoff and flushing 340 pounds of pollutants into the Lower Millstone River each year.

These BMPs would remediate 32.7% of the site's impervious cover and could remove 15.0 pounds of pollutants from the Lower Millstone River annually and restore 1.03 million gallons of water to the natural water cycle.



Table 1: Site Information

Impervious Cover		Existing Annual Loads (lb/yr)			Runoff Volume (gal)		
Square Footage	Percentage	TP	TN	TSS	Water Quality Storm	Two Year Storm	Annual Rainfall
113,201	53.6%	2.60	25.99	311.85	88,208	232,870	3,312,405

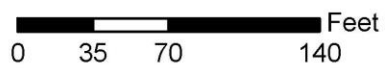
Table 2: BMPs

BMP Type	BMP Area (sq ft)	Reduction Potential (lb/yr)			Maximum Volume Reduction Potential (gal/storm)	Recharge Potential (gal/year)	Estimated Cost
		TP	TN	TSS			
Rain Garden	1,764	0.02	0.12	4.37	9,133	123,416	\$8,821.95
Porous Pavement	4,504	0.06	0.52	9.93	67,040	905,907	\$54,046.74
Total	6,268	0.09	0.64	14.30	76,173	1,029,323	\$62,868.69



**JEWISH CENTER OF PRINCETON  
435 NASSAU STREET**

-  Property Line
-  Drainage Area
-  Porous Pavement
-  Rain Garden



# JOHN WITHERSPOON MIDDLE SCHOOL

## 217 WALNUT LANE

This site currently has 165,000 square feet of impervious cover, creating 4.83 million gallons of stormwater runoff and flushing 497 pounds of pollutants into the Lower Millstone River each year.

These BMPs would remediate 78.2% of the site's impervious cover and could remove 46.8 pounds of pollutants from the Lower Millstone River annually and restore 3.59 million gallons of water to the natural water cycle.



Table 1: Site Information






Impervious Cover		Existing Annual Loads (lb/yr)			Runoff Volume (gal)		
Square Footage	Percentage	TP	TN	TSS	Water Quality Storm	Two Year Storm	Annual Rainfall
165,129	32.0%	3.79	37.91	454.90	128,672	339,695	4,831,903

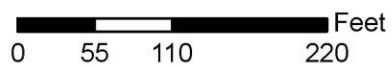
Table 2: BMPs

BMP Type	BMP Area (sq ft)	Reduction Potential (lb/yr)			Maximum Volume Reduction Potential (gal/storm)	Recharge Potential (gal/year)	Estimated Cost
		TP	TN	TSS			
Stormwater Basin Naturalization	6,851	0.09	0.47	16.99	139,646	1,887,038	\$34,253.10
Porous Pavement	6,478	0.09	0.74	14.28	96,531	1,304,420	\$77,734.20
Rain Garden 1	2,752	0.04	0.19	6.82	14,669	198,225	\$13,762.30
Rain Garden 2	2,748	0.04	0.19	6.81	14,785	199,793	\$13,741.80
Total	18,829	0.26	1.59	44.90	265,631	3,589,475	\$139,491.40



**JOHN WITHERSPOON  
MIDDLE SCHOOL  
217 WALNUT LANE**

-  Property Line
-  Drainage Area
-  Porous Pavement
-  Rain Garden
-  Stormwater Basin Naturalization





# PRINCETON HIGH SCHOOL 151 MOORE STREET

This site currently has 131,000 square feet of impervious cover, creating 3.85 million gallons of stormwater runoff and flushing 395 pounds of pollutants into the Lower Millstone River each year.

These BMPs would remediate 46.6% of the site's impervious cover and could remove 29.9 pounds of pollutants from the Lower Millstone River annually and restore 1.70 million gallons of water to the natural water cycle.

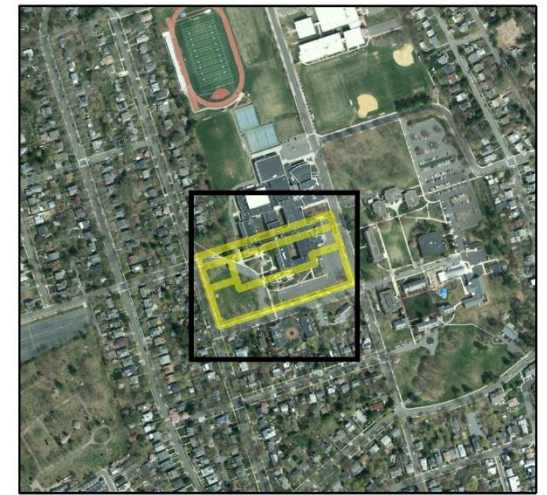


Table 1: Site Information

Impervious Cover		Existing Annual Loads (lb/yr)			Runoff Volume (gal)		
Square Footage	Percentage	TP	TN	TSS	Water Quality Storm	Two Year Storm	Annual Rainfall
131,424	51.4%	3.02	30.17	362.05	102,409	270,359	3,845,649

Table 2: BMPs

BMP Type	BMP Area (sq ft)	Reduction Potential (lb/yr)			Maximum Volume Reduction Potential (gal/storm)	Recharge Potential (gal/year)	Estimated Cost
		TP	TN	TSS			
Porous Pavement	6,319	0.09	0.73	13.93	94,027	1,270,584	\$75,822.12
Rain Garden	5,922	0.08	0.41	14.68	31,855	430,456	\$29,609.35
Total	12,240	0.17	1.13	28.61	125,882	1,701,040	\$105,431.47



**PRINCETON HIGH SCHOOL  
151 MOORE STREET**

-  Property Line
-  Drainage Area
-  Porous Pavement
-  Rain Garden

0 55 110 220 Feet



# ROBESON HOUSE

## 110 WITHERSPOON STREET

This site currently has 2,130 square feet of impervious cover, creating 62,300 gallons of stormwater runoff and flushing 6.41 pounds of pollutants into the Lower Millstone River each year.

These BMPs would remediate 63.1% of the site's impervious cover and could remove 0.790 pounds of pollutants from the Lower Millstone River annually and restore 37,400 gallons of water to the natural water cycle.

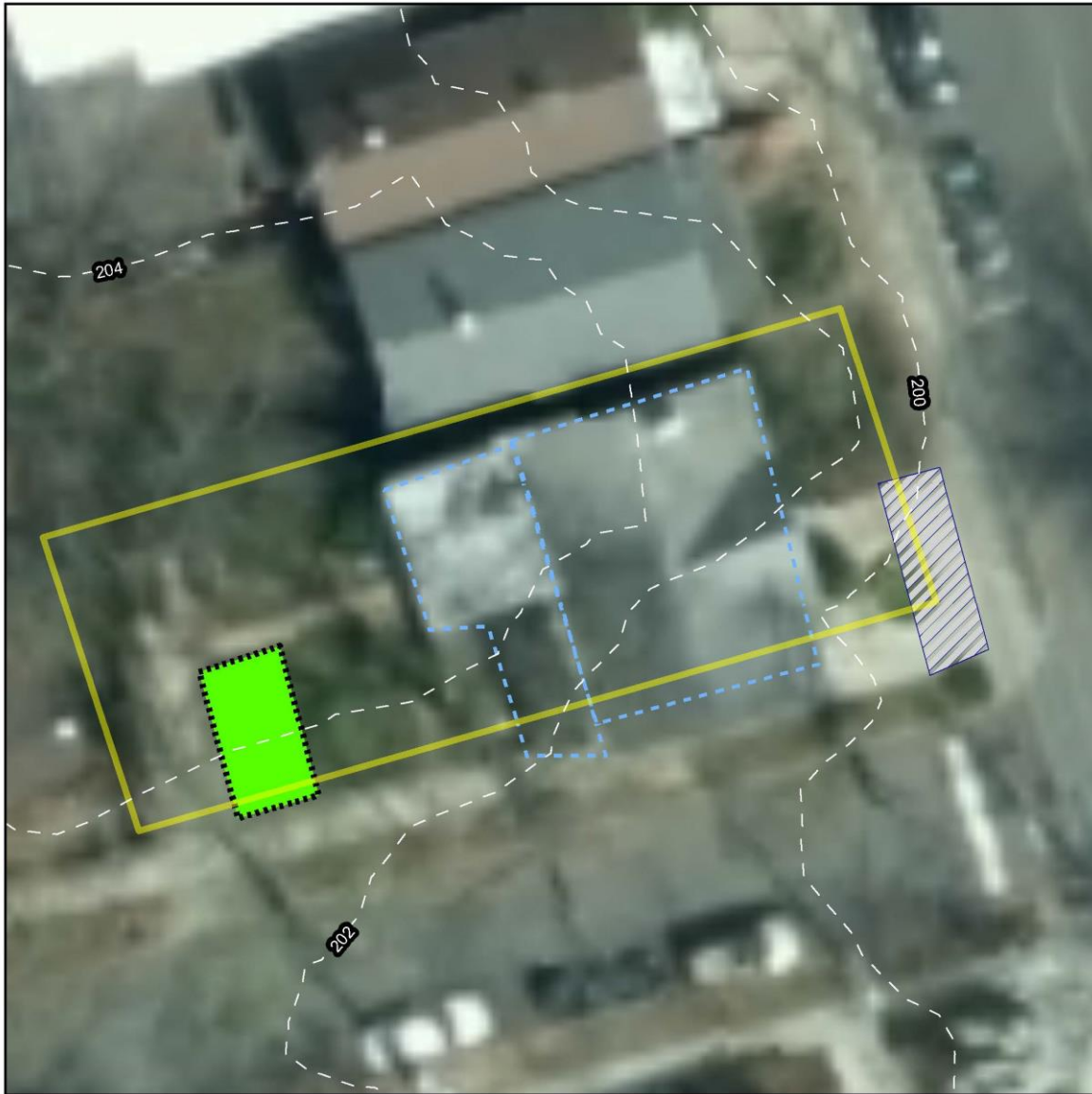


Table 1: Site Information

Impervious Cover		Existing Annual Loads (lb/yr)			Runoff Volume (gal)		
Square Footage	Percentage	TP	TN	TSS	Water Quality Storm	Two Year Storm	Annual Rainfall
2,130	64.7%	0.05	0.49	5.87	1,660	4,382	62,332

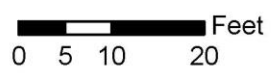
Table 2: BMPs

BMP Type	BMP Area (sq ft)	Reduction Potential (lb/yr)			Maximum Volume Reduction Potential (gal/storm)	Recharge Potential (gal/year)	Estimated Cost
		TP	TN	TSS			
Porous Pavement	158	0.00	0.02	0.35	1,895	25,609	\$1,898.76
Rain Garden	167	0.00	0.01	0.41	871	11,775	\$833.99
Total	325	0.00	0.03	0.76	2,767	37,385	\$2,732.75



**ROBESON HOUSE**  
**110 WITHERSPOON STREET**

-  Property Line
-  Drainage Area
-  Porous Pavement
-  Rain Garden



# STONE HILL CHURCH OF PRINCETON

## 1025 BUNN DRIVE

This site currently has 186,000 square feet of impervious cover, creating 5.44million gallons of stormwater runoff and flushing 559 pounds of pollutants into the Lower Millstone River each year.

These BMPs would remediate 13.8% of the site's impervious cover and could remove 65.5 pounds of pollutants from the Lower Millstone River annually and restore 5.17 million gallons of water to the natural water cycle.



Table 1: Site Information

Impervious Cover		Existing Annual Loads (lb/yr)			Runoff Volume (gal)		
Square Footage	Percentage	TP	TN	TSS	Water Quality Storm	Two Year Storm	Annual Rainfall
185,866	23.1%	4.27	42.67	512.03	144,831	382,353	5,438,691

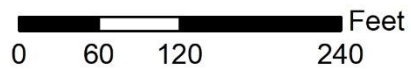
Table 2: BMPs

BMP Type	BMP Area (sq ft)	Reduction Potential (lb/yr)			Maximum Volume Reduction Potential (gal/storm)	Recharge Potential (gal/year)	Estimated Cost
		TP	TN	TSS			
Stormwater Basin Naturalization	25,583	0.35	1.76	63.43	382,353	5,166,748	\$127,914.25
Total	25,583	0.35	1.76	63.43	382,353	5,166,748	\$127,914.25



**STONE HILL CHURCH  
OF PRINCETON  
1025 BUNN DRIVE**

-  Property Line
-  Drainage Area
-  Stormwater Basin Naturalization



# WESTMINSTER CHOIR COLLEGE

## 101 WALNUT LANE

This site currently has 300,000 square feet of impervious cover, creating 8.77 million gallons of stormwater runoff and flushing 902 pounds of pollutants into the Lower Millstone River each year.

These BMPs would remediate 39.7% of the site's impervious cover and could remove 91.4 pounds of pollutants from the Lower Millstone River annually and restore 3.31 million gallons of water to the natural water cycle.



Table 1: Site Information

Impervious Cover		Existing Annual Loads (lb/yr)			Runoff Volume (gal)		
Square Footage	Percentage	TP	TN	TSS	Water Quality Storm	Two Year Storm	Annual Rainfall
299,798	30.3%	6.88	68.82	825.89	233,609	616,728	8,772,494

Table 2: BMPs

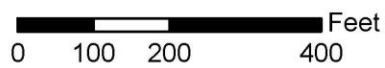
BMP Type	BMP Area (sq ft)	Reduction Potential (lb/yr)			Maximum Volume Reduction Potential (gal/storm)	Recharge Potential (gal/year)	Estimated Cost
		TP	TN	TSS			
Porous Pavement	6,091	0.08	0.70	13.42	91,126	1,231,392	\$73,090.92
Rain Garden 1	4,904	0.07	0.34	12.16	17,394	235,044	\$24,518.65
Rain Garden 2	12,397	0.17	0.85	30.74	67,009	905,495	\$61,985.20
Rain Garden 3	5,664	0.08	0.39	14.04	30,259	408,896	\$28,319.10
Rain Garden 4	7,160	0.10	0.49	17.75	38,795	524,237	\$35,799.99
Total	36,215	0.50	2.77	88.11	244,584	3,305,064	\$223,713.86



Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS

## WESTMINSTER CHOIR COLLEGE 101 WALNUT LANE

-  Property Line
-  Drainage Area
-  Porous Pavement
-  Rain Garden





# PRINCETON MUNICIPAL BUILDING and COMMUNITY PARK SOUTH 380 WITHERSPOON STREET

This site currently has 328,000 square feet of impervious cover, creating 9.60 million gallons of stormwater runoff and flushing 986 pounds of pollutants into the Lower Stony Brook each year.

These BMPs would remediate 32.8% of the site's impervious cover and could remove 33.7 pounds of pollutants from the Lower Stony Brook annually and restore 2.99 million gallons of water to the natural water cycle.



Table 1: Site Information

Impervious Cover		Existing Annual Loads (lb/yr)			Runoff Volume (gal)		
Square Footage	Percentage	TP	TN	TSS	Water Quality Storm	Two Year Storm	Annual Rainfall
327,995	28.1%	7.53	75.30	903.57	255,581	674,733	9,597,572

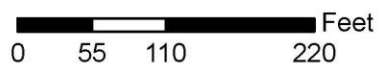
Table 2: BMPs

BMP Type	BMP Area (sq ft)	Reduction Potential (lb/yr)			Maximum Volume Reduction Potential (gal/storm)	Recharge Potential (gal/year)	Estimated Cost
		TP	TN	TSS			
Porous Pavement 1	1,416	0.02	0.16	3.12	20,550	277,696	\$16,986.00
Porous Pavement 2	2,076	0.03	0.24	4.58	30,467	411,703	\$24,916.74
Porous Pavement 3	8,780	0.12	1.01	19.35	130,798	1,767,479	\$105,360.12
Stormwater Basin Naturalization	1,987	0.03	0.14	4.93	39,627	535,484	\$9,932.50
Total	14,258	0.20	1.55	31.97	221,443	2,992,362	\$157,195.36



## COMMUNITY PARK SOUTH 380 WITHERSPOON STREET

-  Property Line
-  Drainage Area
-  Porous Pavement
-  Stormwater Basin Naturalization



# HUN SCHOOL OF PRINCETON

## 176 EDGERSTOUNE ROAD

This site currently has 254,000 square feet of impervious cover, creating 7.44 million gallons of stormwater runoff and flushing 765 pounds of pollutants into the Lower Stony Brook each year.

These BMPs would remediate 53.1% of the site's impervious cover and could remove 165 pounds of pollutants from the Lower Stony Brook annually and restore 3.76 million gallons of water to the natural water cycle.

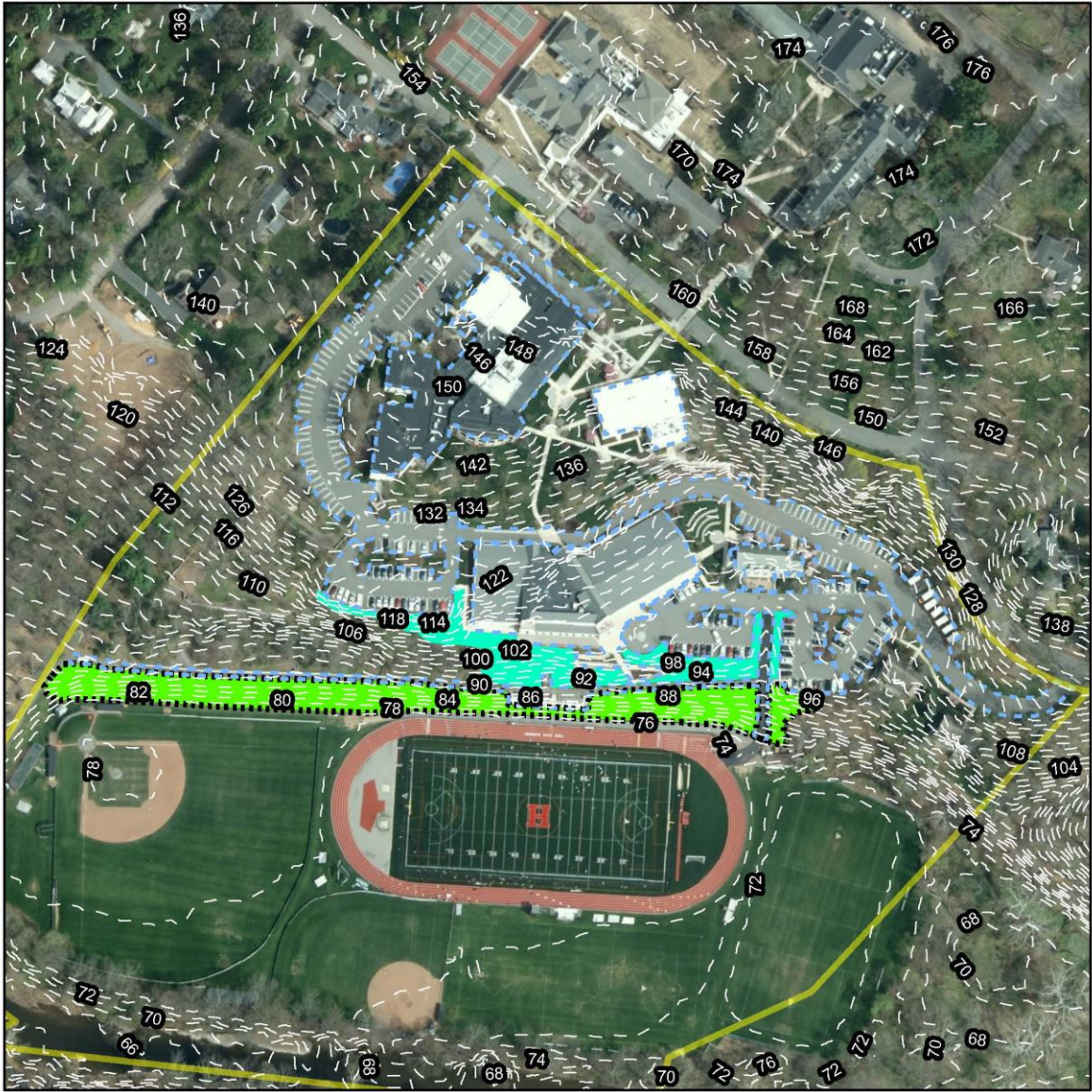


Table 1: Site Information

Impervious Cover		Existing Annual Loads (lb/yr)			Runoff Volume (gal)		
Square Footage	Percentage	TP	TN	TSS	Water Quality Storm	Two Year Storm	Annual Rainfall
254,319	19.8%	5.84	58.38	700.60	198,170	523,170	7,441,698

Table 2: BMPs

BMP Type	BMP Area (sq ft)	Reduction Potential (lb/yr)			Maximum Volume Reduction Potential (gal/storm)	Recharge Potential (gal/year)	Estimated Cost
		TP	TN	TSS			
Rain Garden	41,861	0.58	2.88	103.79	191,800	2,591,797	\$209,304.45
Bioswale	22,617	0.31	1.56	56.08	86,134	1,163,933	\$113,085.40
Total	64,478	0.89	4.44	159.86	277,934	3,755,730	\$322,389.85



Princeton  
Hun School of Princeton  
176 Edgerstoune Rd

-  Property Line
-  Drainage Area
-  Bioswale
-  Rain Garden



# PRINCETON FAMILY YMCA 59 PAUL ROBESON PLACE

This site currently has 141,000 square feet of impervious cover, creating 4.12 million gallons of stormwater runoff and flushing 423 pounds of pollutants into the Lower Stony Brook each year.

These BMPs would remediate 54.2% of the site's impervious cover and could remove 28.5 pounds of pollutants from the Lower Stony Brook annually and restore 2.12 million gallons of water to the natural water cycle.

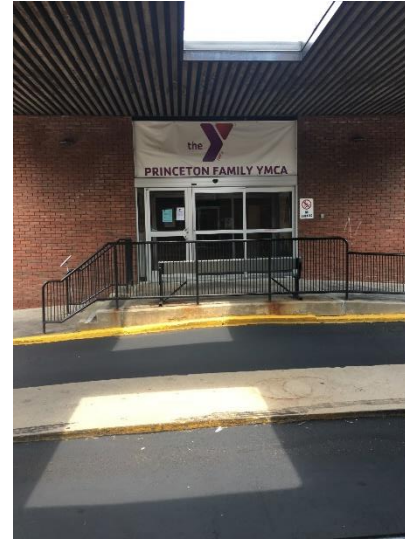


Table 1: Site Information

Impervious Cover		Existing Annual Loads (lb/yr)			Runoff Volume (gal)		
Square Footage	Percentage	TP	TN	TSS	Water Quality Storm	Two Year Storm	Annual Rainfall
140,695	61.0%	3.23	32.30	387.59	109,633	289,430	4,116,931

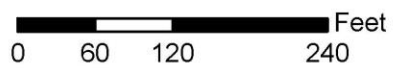
Table 2: BMPs

BMP Type	BMP Area (sq ft)	Reduction Potential (lb/yr)			Maximum Volume Reduction Potential (gal/storm)	Recharge Potential (gal/year)	Estimated Cost
		TP	TN	TSS			
Porous Pavement 1	7,887	0.11	0.91	17.38	117,141	1,582,927	\$94,648.80
Porous Pavement 2	1,888	0.03	0.22	4.16	27,830	376,073	\$22,659.96
Rain Garden 1	1,040	0.01	0.07	2.58	5,522	74,623	\$5,201.05
Rain Garden 2	1,171	0.02	0.08	2.90	6,271	84,743	\$5,856.95
Total	11,987	0.17	1.27	27.03	156,765	2,118,365	\$128,366.76



**PRINCETON FAMILY YMCA  
59 PAUL ROBESON PLACE**

-  Property Line
-  Drainage Area
-  Porous Pavement
-  Rain Garden



# PRINCETON THEOLOGICAL SEMINARY LIBRARY

## 25 LIBRARY PLACE

This site currently has 154,000 square feet of impervious cover, creating 4.50 million gallons of stormwater runoff and flushing 462 pounds of pollutants into the Lower Stony Brook each year.

These BMPs would remediate 30.8% of the site's impervious cover and could remove 41.5 pounds of pollutants from the Lower Stony Brook annually and restore 1.32 million gallons of water to the natural water cycle.

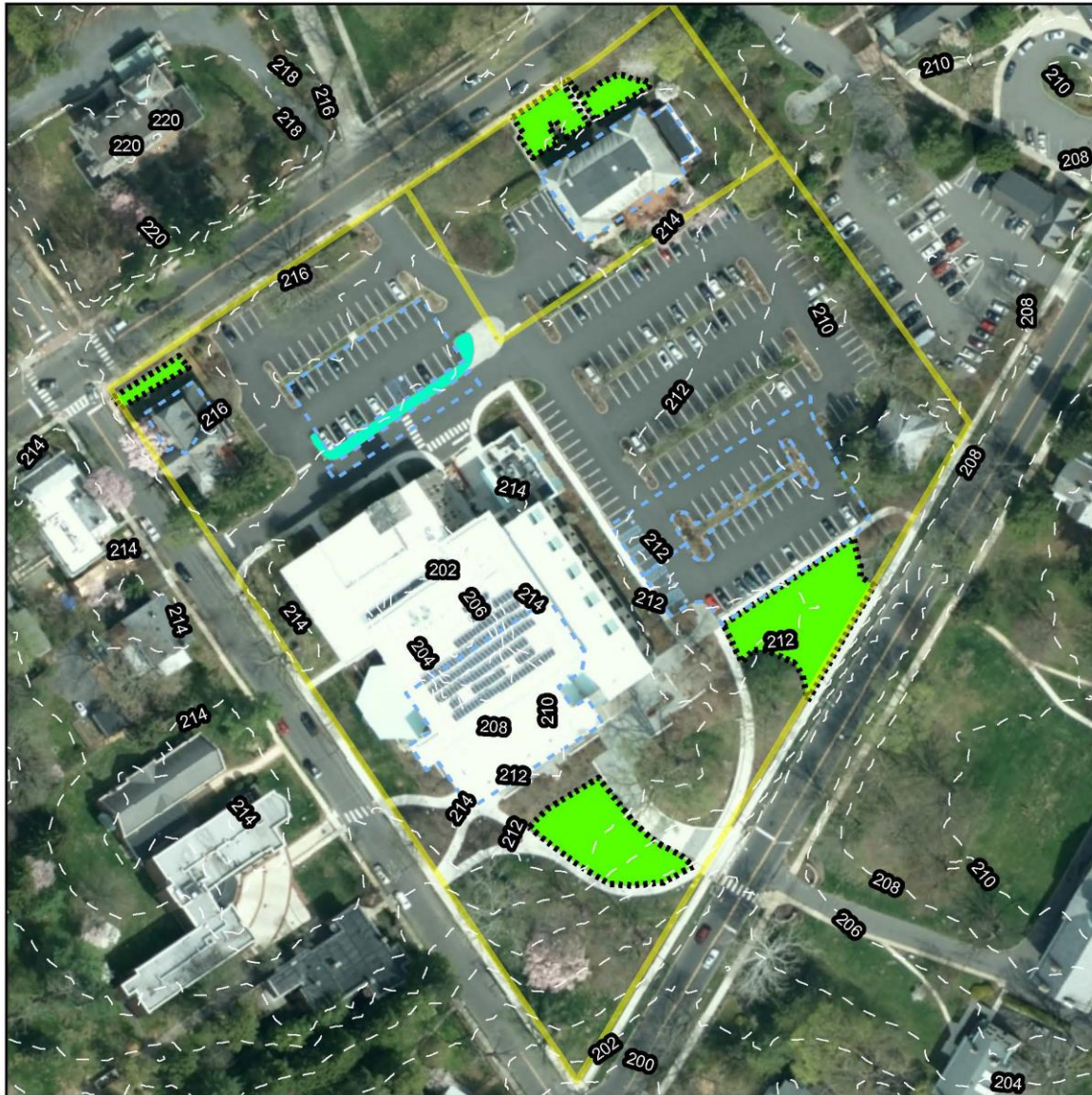


Table 1: Site Information

Impervious Cover		Existing Annual Loads (lb/yr)			Runoff Volume (gal)		
Square Footage	Percentage	TP	TN	TSS	Water Quality Storm	Two Year Storm	Annual Rainfall
153,674	55.4%	3.53	35.28	423.35	119,746	316,130	4,496,717

Table 2: BMPs

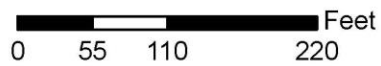
BMP Type	BMP Area (sq ft)	Reduction Potential (lb/yr)			Maximum Volume Reduction Potential (gal/storm)	Recharge Potential (gal/year)	Estimated Cost
		TP	TN	TSS			
Rain Garden 1	667	0.01	0.05	1.65	3,562	48,128	\$3,334.69
Bioswale	1,441	0.02	0.10	3.57	18,445	249,249	\$7,205.70
Rain Garden 2	2,575	0.04	0.18	6.38	13,610	183,914	\$12,874.10
Rain Garden 3	6,324	0.09	0.44	15.68	34,227	462,506	\$31,620.75
Rain Garden 4	5,206	0.07	0.36	12.91	27,633	373,408	\$26,030.45
Total	16,213	0.22	1.12	40.20	97,477	1,317,205	\$81,065.69



Source: Esri, DigitalGlobe,  
GeoEye, Earthstar  
Geographics, CNES/Airbus  
DS, USDA, USGS,  
AeroGRID, IGN, and the GIS

**PRINCETON THEOLOGICAL  
SEMINARY LIBRARY  
25 LIBRARY PLACE**

-  Property Line
-  Drainage Area
-  Bioswale
-  Rain Garden





# SUZANNE PATTERSON CENTER

## 45 STOCKTON STREET

This site currently has 94,000 square feet of impervious cover, creating 2.75 million gallons of stormwater runoff and flushing 283 pounds of pollutants into the Lower Stony Brook each year.

These BMPs would remediate 32.8% of the site's impervious cover and could remove 12.5 pounds of pollutants from the Lower Stony Brook annually and restore 857,000 gallons of water to the natural water cycle.



Table 1: Site Information

Impervious Cover		Existing Annual Loads (lb/yr)			Runoff Volume (gal)		
Square Footage	Percentage	TP	TN	TSS	Water Quality Storm	Two Year Storm	Annual Rainfall
94,037	78.3%	2.16	21.59	259.05	73,275	193,447	2,751,640

Table 2: BMPs

BMP Type	BMP Area (sq ft)	Reduction Potential (lb/yr)			Maximum Volume Reduction Potential (gal/storm)	Recharge Potential (gal/year)	Estimated Cost
		TP	TN	TSS			
Porous Pavement	4,409	0.06	0.51	9.72	58,880	795,645	\$52,904.64
Rain Garden	864	0.01	0.06	2.14	4,563	61,655	\$4,320.20
Total	5,273	0.07	0.57	11.86	63,443	857,300	\$57,224.84



**SUZANNE PATTERSON CENTER  
45 STOCKTON STREET**

-  Property Line
-  Drainage Area
-  Porous Pavement
-  Rain Garden

