

FIRST REFORMED CHURCH 93 WASHINGTON STREET

This site currently has 32,500 square feet of impervious cover, creating 474,000 gallons of stormwater runoff and flushing 48.7 pounds of pollutants into the Lower Millstone River each year.

Installing the following measures would remediate 39.8% of the site's impervious cover and could remove 3.95 pounds of pollutants from the Lower Millstone River annually and restore 179,000 gallons of water to the natural water cycle.

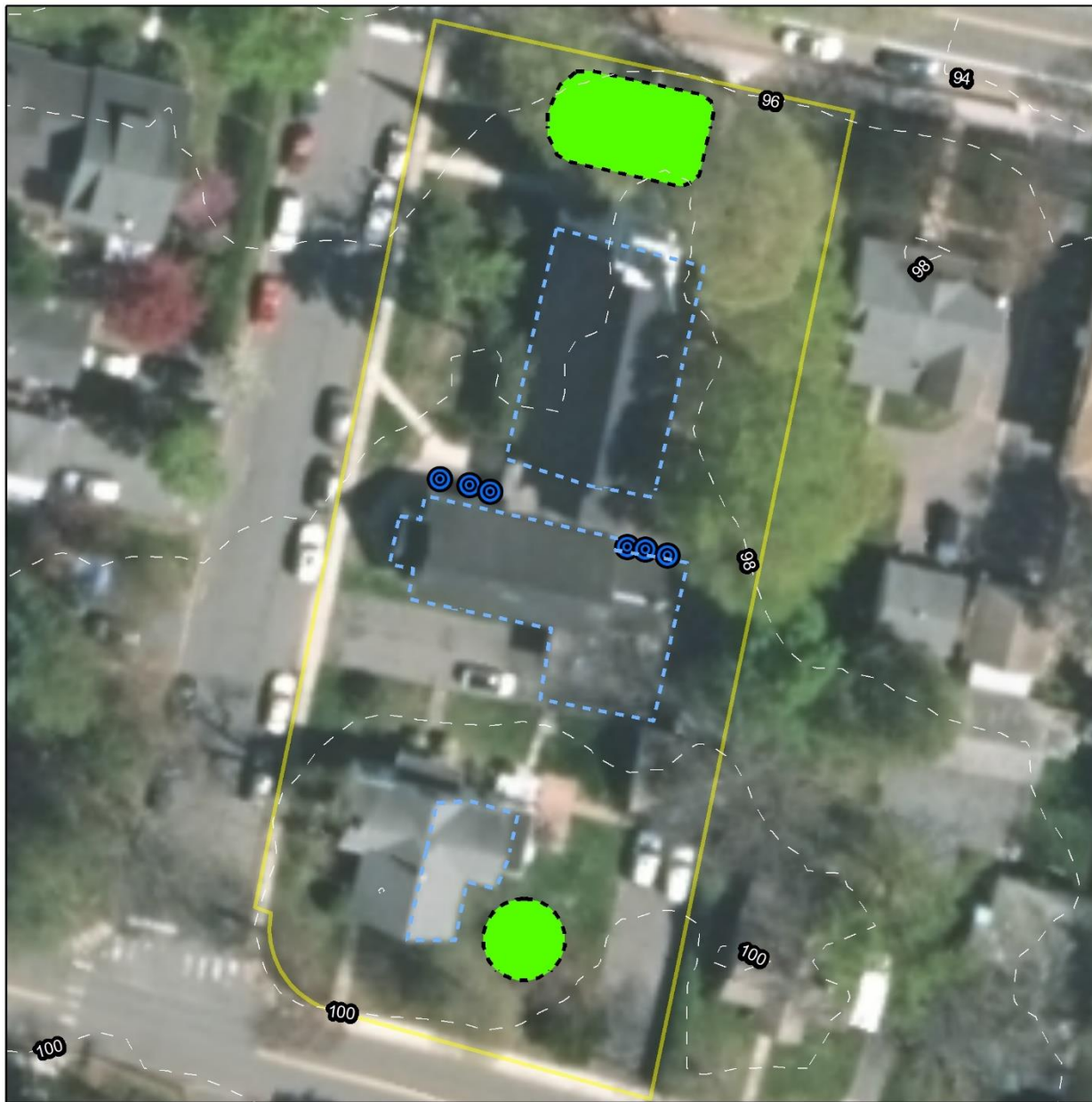


Table 1: Site Information

Impervious Cover		Existing Annual Loads (lb/yr)			Runoff Volume (gal)		
Square Footage	Percentage	TP	TN	TSS	Water Quality Storm	Two Year Storm	Annual Rainfall
32,518.72	49.8%	0.37	3.72	44.64	12,627.87	33,337.57	474,202.02

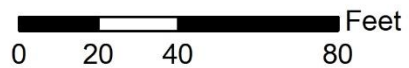
Table 2: BMPs

BMP Type	BMP Area (sq ft), Capacity (gal) or Units	Removal Potential (lb/yr)			Max Volume Reduction Potential (gal/storm)	Recharge Potential (gal/year)	Estimated Cost
		TP	TN	TSS			
Rain Garden 1	416.28	0.01	0.03	1.03	1,493.44	20,180.95	\$2,081.40
Cistern	6,000.00	0.00	0.00	0.00	5,869.32	79,312.19	\$12,000.00
Rain Garden 2	1,126.56	0.02	0.08	2.79	5,910.03	79,862.31	\$5,632.80
Total	7,542.84	0.02	0.11	3.83	13,272.79	179,355.45	\$19,714.20



**FIRST REFORMED CHURCH
93 WASHINGTON STREET**

-  Property Line
-  Drainage Area
-  Cistern
-  Rain Garden



MARY JACOBS MEMORIAL LIBRARY

64 WASHINGTON STREET

This site currently has 88,300 square feet of impervious cover, creating 1 million gallons of stormwater runoff and flushing 105 pounds of pollutants into the Lower Millstone River each year.

Installing porous pavement into the parking spaces would capture and treat runoff from the parking lot, while rain gardens along the sidewalk would remediate the roof runoff.

These measures would remediate 100% of the site's impervious cover and could remove 31.4 pounds of pollutants from the Lower Millstone River annually and restore 999,000 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
88,294.81	39.6%	0.80	8.03	96.32	27,245.86	71,929.07	1,023,137.44

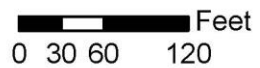
Table 2: BMPs

BMP Type	BMP Area (sq ft), Capacity (gal) or Units	Removal Potential (lb/yr)			Maximum Volume Reduction Potential (gal/storm)	Recharge Potential (gal/year)	Estimated Cost
		TP	TN	TSS			
Porous Pavement	9,128.77	0.13	1.05	20.12	60,911.04	823,091.96	\$109,545.23
Rain Garden	3,924.46	0.05	0.27	9.73	13,041.05	176,223.98	\$19,622.28
Total	13,053.23	0.18	1.32	29.85	73,952.09	999,315.93	\$129,167.51



**MARY JACOBS
MEMORIAL LIBRARY
64 WASHINGTON STREET**

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



ROCKY HILL BOROUGH OFFICE

15 MONTGOMERY AVENUE

This site currently has 78,500 square feet of impervious cover, creating 896,000 gallons of stormwater runoff and flushing 92.1 pounds of pollutants into the Lower Millstone River each year.

Strategically placed rain gardens would remediate 25% of the site's impervious cover and could remove 5.52 pounds of pollutants from the Lower Millstone River annually and restore 212,000 gallons of water to the natural water cycle.

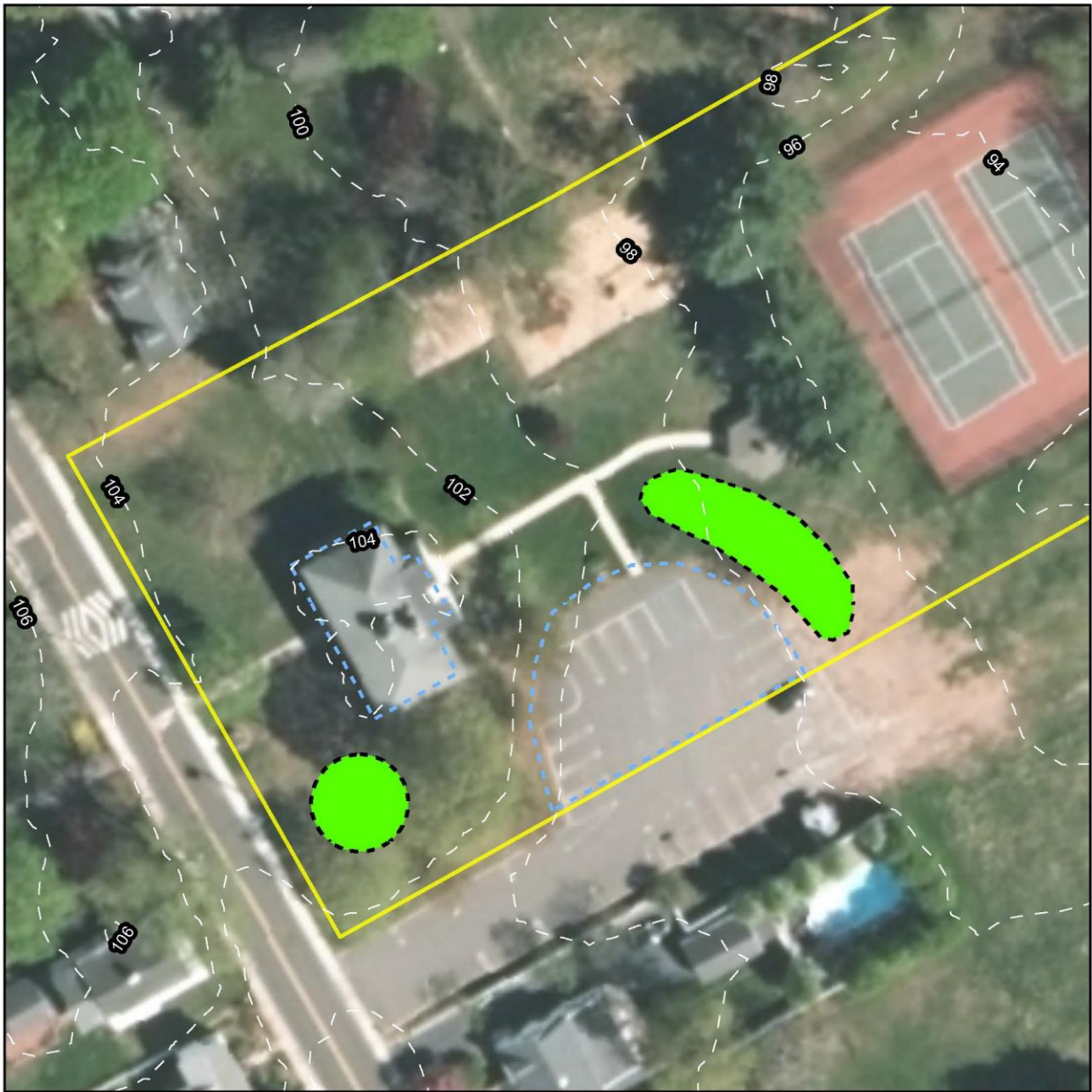


Table 1: Site Information

Impervious Cover		Existing Annual Loads (lb/yr)			Runoff Volume (gal)		
Square Footage	Percentage	TP	TN	TSS	Water Quality Storm	Two Year Storm	Annual Rainfall
78,469.52	39.0%	0.70	7.03	84.37	23,863.46	62,999.53	896,121.37

Table 2: BMPs

BMP Type	BMP Area (sq ft), Capacity (gal) or Units	Removal Potential (lb/yr)			Maximum Volume Reduction Potential (gal/storm)	Recharge Potential (gal/year)	Estimated Cost
		TP	TN	TSS			
Rain Garden 1	647.44	0.01	0.04	1.61	4,776.03	64,538.55	\$3,237.18
Rain Garden 2	1,505.02	0.02	0.10	3.73	10,920.29	147,566.08	\$7,525.12
Total	2,152.46	0.03	0.15	5.34	15,696.32	212,104.63	\$10,762.30



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

**ROCKY HILL BOROUGH OFFICE
15 MONTGOMERY AVENUE**

-  Property Line
-  Drainage Area
-  Rain Garden



ROCKY HILL FIRE DEPARTMENT 154 WASHINGTON STREET

This site currently has 12,800 square feet of impervious cover, creating 248,000 gallons of stormwater runoff and flushing 43.6 pounds of pollutants into the Lower Millstone River each year.

Installing porous pavement in the parking spaces in the rear of the property would remediate 85.6% of the site's impervious cover and could remove 4.39 pounds of pollutants from the Lower Millstone River annually and restore 201,000 gallons of water to the natural water cycle.

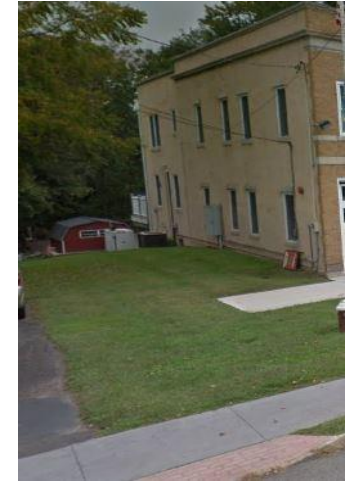
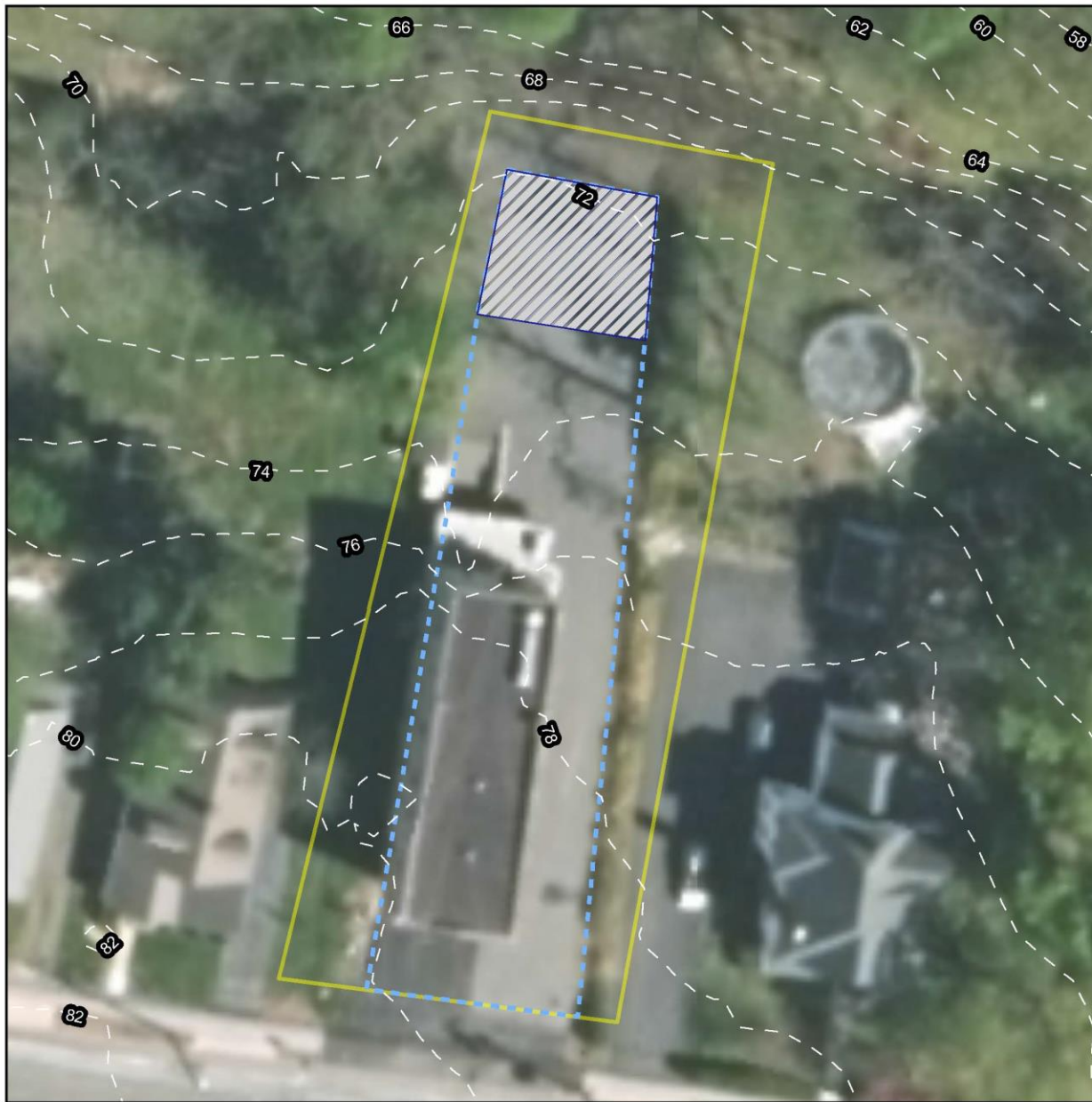


Table 1: Site Information

Impervious Cover		Existing Annual Loads (lb/yr)			Runoff Volume (gal)		
Square Footage	Percentage	TP	TN	TSS	Water Quality Storm	Two Year Storm	Annual Rainfall
12,840.37	66.0%	0.41	4.28	38.89	6,599.35	17,422.27	247,818.85

Table 2: BMPs

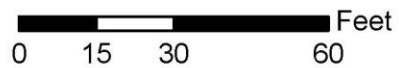
BMP Type	BMP Area (sq ft), Capacity (gal) or Units	Removal Potential (lb/yr)			Maximum Volume Reduction Potential (gal/storm)	Recharge Potential (gal/year)	Estimated Cost
		TP	TN	TSS			
Porous Pavement	1,109.67	0.03	0.28	4.08	14,908.14	201,453.91	\$13,316.04
Total	1,109.67	0.03	0.28	4.08	14,908.14	201,453.91	\$13,316.04



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

**ROCKY HILL FIRE DEPARTMENT
154 WASHINGTON STREET**

-  Property Line
-  Drainage Area
-  Porous Pavement



UNITED STATES POST OFFICE 130 WASHINGTON STREET

This site currently has 24,200 square feet of impervious cover, creating 526,000 gallons of stormwater runoff and flushing 54.0 pounds of pollutants into the Lower Millstone River each year.

Installing porous pavement in the parking spaces in the rear of the property would remediate 66% of the site's impervious cover and could remove 4.30 pounds of pollutants from the Lower Millstone River annually and restore 330,000 gallons of water to the natural water cycle.

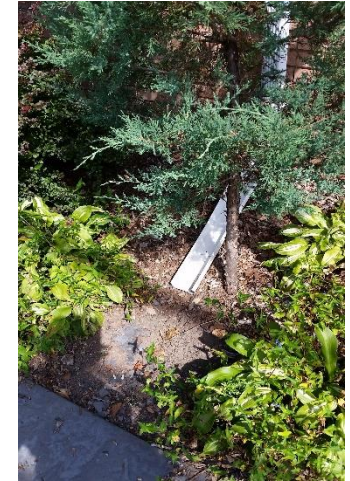


Table 1: Site Information

Impervious Cover		Existing Annual Loads (lb/yr)			Runoff Volume (gal)		
Square Footage	Percentage	TP	TN	TSS	Water Quality Storm	Two Year Storm	Annual Rainfall
24,236.64	74.1%	0.41	4.12	49.49	13,997.20	36,952.60	525,623.24

Table 2: BMPs

BMP Type	BMP Area (sq ft), Capacity (gal) or Units	Removal Potential (lb/yr)			Maximum Volume Reduction Potential (gal/storm)	Recharge Potential (gal/year)	Estimated Cost
		TP	TN	TSS			
Porous Pavement	1,843.72	0.03	0.21	4.06	24,401.98	329,744.43	\$22,124.64
Total	1,843.72	0.03	0.21	4.06	24,401.98	329,744.43	\$22,124.64



**UNITED STATES POST OFFICE
130 WASHINGTON STREET**

-  Property Line
-  Drainage Area
-  Porous Pavement

