

Plan Sheet #	Location Description	Problem Statement	Neighborhood Location	Category	Proposed Ranking	Study Cost	Project Estimated Costs
1	Echo Valley Repair (6) Culverts	Culverts in 6 locations in Echo Valley - headwalls and endwalls are deteriorating and need to be repaired before the culvert piping fails and the roads subside.	Echo Valley	Twp. Capacity	1		\$849,960.00
9	Northwood Rd & Delmont Rd	Northwood Road does not have a good, consistent storm sewer or curbing system. There are 2 inlets to collect runoff from approximately 1600 lineal feet. Unmanaged storm water is causing damage at properties on both Northwood Road and on Delmont Road.	Larchmont	Twp. Capacity	2		\$612,000.00
1	Boot Road Erosion between Goshen & Fox Trail	Boot Road has no storm sewer system and very little curbing. The roadway is being undermined and eroding - especially on the western side. Water needs to be directed off the road and towards Crum Creek or Reeses Run. The edges of the road and adjacent properties need to be protected. The estimates provided are for the complete length of 1.2 miles of road from Rte 3 to Goshen Road and can be phased to address the worst areas and expand as funding becomes available.	Echo Valley	Road Erosion	3		\$2,930,276.00
4	Boot Road Erosion between Rt 3 & Fox Trail	Boot Road has no storm sewer system and very little curbing. The roadway is being undermined and eroding - especially on the western side. Water needs to be directed off the road and towards Crum Creek or Reeses Run. The edges of the road and adjacent properties need to be protected. The estimates provided are for the complete length of 1.2 miles of road from Rte 3 to Goshen Road and can be phased to address the worst areas and expand as funding becomes available.	Boot Road Area	Road Erosion	3		\$ -
4	Florida Park	Florida Park has very few storm sewer mechanisms in place. Issues of ponding and flooding occur regularly - especially at the properties along the southern side of Fairview Avenue as they are down-hill. A proper collection system including curbing and inlets / piping should be investigated. The estimated fee is to investigate and prepare a conceptual design for providing curbing and storm sewers within the streets in the development whether public or private along with bringing the street widths up to a standard capable of accepting dedication and getting Liquid Fuels Funds, if the Board chooses, for all but dead end streets where a cul-de-sac cannot be constructed in the existing right of way. The deliverable will be a Sketch Plan and Estimate of Probable Construction.	Boot Road Area	Twp. Capacity/study	4	\$13,700.00	

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5	Caley, Tyson, Horton& Lewis etc.	The stormwater collection system in this portion if the community is in need of upgrading and augmenting. Original Circa 1960 construction pre-dated stormwater management and storm sewer design standards and additional collection and conveyance systems are needed to address the damage from increasing storm intensities. Road widths are sufficient and all roads are Township owned but rolled gutter curbing has been partially filled with asphalt reducing the capacity.	Upper Saint Albans	Twp. Capacity	5		\$2,659,130.00
4	Newtown Heights	The stormwater collection system in this portion of the community is in need of upgrading and augmenting. The estimated fee is to study preparing conceptual design to install curbing and storm sewers within all streets in the development whether public or private along with bringing the street widths up to a standard capable of being accepted for dedication and getting Liquid Fuels Funds, if the Board chooses, for all but dead end streets where a cul-de-sac cannot be constructed in the existing right of way. Information was previously obtained through property owner surveys to establish an understanding of the issues experienced and estimates generated to provide 27' road widths and associated stormwater management. We will utilize the prior information to adjust the estimates.	Boot Road Area	Twp. Capacity	6	\$8,700.00	
8	The Avenues	The stormwater collection system in this portion if the community is believed to be in need of upgrading and augmenting. The estimated fee is to study providing curbing and storm sewers within all streets in the development whether public or private along with bringing the street widths up to a standard capable of accepting dedication and getting Liquid Fuels Funds, if the Board chooses, for all but dead end streets where a cul-de-sac cannot be constructed in the existing right of way. The neighborhood has approximately 2.2 miles of public and private roads and complaints have varied from lack of curb causing road runoff to damage structures to uncontrolled runoff causing erosion within yards. The deliverable will be a Sketch Plan and Estimate of Probable Construction.	Lower Saint Albans/South 252	Twp. Capacity/study	7	\$20,860.00	
9	Radnor Dr cul de sac	Corrugated metal pipes corroding and creating concern for the road stability in the cul-de-sac, full replacement is proposed.	Larchmont	Twp. Capacity	8		\$125,040.00
3	Valley Forge Rd Bridge	There are two drainage issues in this area. The neighboring homeowners along Valley Forge Road have placed stone to block stormwater draining from the roadway, which causes ponding. Also, the small stone bridge over Julip Run (a tributary to Darby Creek) is deteriorating and will need eventual replacement. (currently road closed due to damage to downstream endwall)	Harrison Estates/Paper Mill	Road Erosion	9		\$425,000.00

2	Glendale Road	Stormwater is eroding the edges of Glendale Road near the intersection with Andover Road. This project is being considered as the next Phase of the current Low Volume Road Grant Program.	Wyola	Road Erosion	10		\$186,450.00
5	Saw Mill/Aspen & Rt 252	There is no drainage system on Saw Mill Road between Route 252 and Sugar Maple Drive. The road also narrows at that location, creating significant ponding and neighboring property flooding issues. A widening and drainage system project should be looked at to resolve the issue. This particular location is also tied to the potential use of the Saw Mill Road and Aspen Road properties. A proposal was prepared for the coordination of the use of the properties and correction of the drainage and street width issues. This will also involve visioning for pedestrian access along Saw Mill Road and Traffic Signal modifications to provide safe pedestrian crossings for use of the Liseter Trail and access to the Meadow Preserve.	Upper Saint Albans	Twp. Capacity	11	\$36,900.00	
6	Greene Countrie Villages	Water believed to be discharging from storm sewers originating at Harvey Lane, Denford Drive, Richards Ridge and Clark Drive is causing erosion at Green Countrie Village	Greene Countrie	Erosion	12		\$294,000.00
9	Woodhill Rd Property is Draining onto Bryn Mawr Ave	Silt and debris from Woodhill Road properties is consistantly collecting at the inlet on Bryn Mawr Avenue between Malin Road and Brookside Road and blocking it from draining the roadway.	Larchmont	Twp. Capacity	13		\$233,120.00
7	Spring @ Bishop Hollow & Hempstead	A spring from the property at the corner of Bishop Hollow Road and Hempstead Road seeps onto the roadway and ices in the winter. It generally stays in the gutter. A similar issue with a spring exists on Wyola Drive.	Springton Pointe	Twp. Capacity	14		\$44,560.00
6	Goshen Rd Washouts and Discharge	The discharge of the existing storm sewer system discharges under Goshen Road to a intermittant watercourse. Washouts have occurred along the property frontage where the discharge occurs.	Greene Countrie	Stream Erosion	15		\$122,740.00
8	Poplar Rd & Troop Farm Rd Erosion		Lower Saint Albans/South 252	Stream Erosion			
1	Stream Restoration		Echo Valley	Stream Erosion			
8	Saint Albans Cir & Rhoads Ave Ponding		Lower Saint Albans/South 252	Twp. Capacity			

6	Hansell Rd from Jeffery Ln		Greene Countrie	Twp. Capacity			
6	Sawmill behind Clayton Pl		Greene Countrie	Twp. Capacity			
5	Roberts Rd from Ivy Ln		Upper Saint Albans	Twp. Capacity			
2	Wetland on Andover Rd is flooding		Wyola	Flooding			
3	Water coming from Aronimink into Paper Mill & Dunminning		Harrison Estates/Paper Mill	Twp. Capacity/Flooding			
1	Flood Mitigation (2 Properties @ Echo Valley Ln)		Echo Valley	Flooding			
5	Earles Ln Runoff		Upper Saint Albans	Twp. Capacity			
8	Brookside Rd Pipes		Lower Saint Albans/South 252	Twp. Capacity			
8	Clearbrook & Poplar Pipe Conditions		Lower Saint Albans/South 252	Twp. Capacity			
8	Mr. Hay's Property on Beechwood Rd		Lower Saint Albans/South 252	Twp. Capacity			

Sheet	Description	Location	Category	Proposed Ranking	Notes
1	195 Hunt Valley Circle	Echo Valley	Stream Erosion	Not Ranked	
1	170 Hunt Valley Circle	Echo Valley	Stream Erosion	Not Ranked	
2	626 Newtown Street Road	Vyola	Stream Erosion	Not Ranked	
4	20 Phillips Lane	Boot Road Area	no sewer in cul-de-sac	Not Ranked	
4	41 Boot Road	Boot Road Area	Runoff from SAP	Not Ranked	
5	49 Sugar Maple	Upper Saint Albans	driveway culvert/neighbor	Not Ranked	
6	206/208 Hansell	Greene Countrie	Excessive overland flow	Not Ranked	
7	10 Cherry Lane	Springton Pointe	Erosion damage	Not Ranked	
7	404/110 Hempstead Circle	Springton Pointe	Adjacent property	Not Ranked	
8	800 Ellis Ave	Lower Saint Albans/South 252	Stream Erosion	Not Ranked	
8	3538 Woodcrest	Lower Saint Albans/South 252	Adjacent Property	Not Ranked	

Sheet	Description		Location	Category	Proposed Ranking
9	STATE ISSUE: Bryn Mawr Ave Crossing		Larchmont	State Stream Erosion	51
3	STATE ISSUE: Flooding @ St. Davids and Mill View	St Davids Road ponds badly on both sides just north-east of Mill View Lane. In addition to freezing, as this is just after a steep hill (westbound), vehicles often go around the ponding and are in conflict with traffic going in the other direction who have little time to react as they just came over the crest of the hill.	Harrison Estates/Paper Mill	Flooding State	52
4	STATE ISSUE: Boot Road and West Chester Pike	Ponding at West Chester Pike and Boot Road	Boot Road Area	Flooding state	53
2	STATE ISSUE: Corner of Andover & St. Davids floods	St Davids Road ponds badly on northern edge in front of 602 Andover. Ponding fills the area, and once full it overflows into the property, affecting 602, 608 and 614 Andover. A berm would only hold more water on the road. The water is unable to drain to the inlet at Andover approximately 150' away. Trapped water needs to be able to get to that inlet.	Wyola	State Capacity	54
9	STATE ISSUE: Bryn Mawr Ave Colvert		Larchmont	State Capacity	55
2	STATE ISSUE: Ponding on 252 by Liseter, needs grading	Water ponds at inlet on western side of Route 252 by Liseter (on Aronimink property). Inlet there has previously been clogged on the Lister side preventing drainage.	Wyola	State Capacity/Cleaning	56
5	STATE ISSUE: Goshen Rd Erosion		Upper Saint Albans	State Road Erosion	57
8	STATE ISSUE: Culvert under Rt 252		Lower Saint Albans/South 252	State Capacity	58
8	STATE ISSUE: Outdated storm sewers on Bryn Mawr Ave		Lower Saint Albans/South 252	State Capacity	59

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9	Northwood Rd & Delmont Rd		\$612,000.00
1	Boot Road Erosion between Goshen & Fox Trail		\$2,930,276.00
4	Boot Road Erosion between Rt 3 & Fox Trail		\$ -
4	Florida Park	\$13,700.00	
5	Caley, Tyson, Horton & Lewis etc.		\$2,659,130.00
4	Newtown Heights	\$8,700.00	
8	The Avenues	\$20,860.00	
9	Radnor Dr cul de sac		\$125,040.00
3	Valley Forge Rd Bridge		\$425,000.00
2	Glendale Road		\$186,450.00
5	Saw Mill/Aspen & Rt 252	\$36,900.00	
6	Greene Countrie Villages		\$294,000.00
9	Woodhill Rd Property is Draining onto Bryn Mawr Ave		\$233,120.00
7	Spring @ Bishop Hollow & Hempstead		\$44,560.00
6	Goshen Rd Washouts and Discharge		\$122,740.00
Total Known Cost		\$ 80,160.00	\$ 8,482,276.00

* included in Boot Road Between Goshen and Fox

** TBD after the Study