

STAFF RECOMMENDED
SHORT TERM FLOODING MITIGATION MEASURES
June 4, 2012

ITEM	The "PR" items (point repair locations) are shown in order of priority.		APPROVALS REQUIRED	ESTIMATED COSTS ⁽¹⁾	TIME TO ACCOMPLISH ⁽²⁾
PR Items General Notes: These items are for repairs at specific locations to attempt improvements in the stormwater collection and/or conveyance system.					
PR-1	LOCATION	On both sides of Harrison Avenue near #215	none	\$25,000	5 to 7 mos
	DESCRIPTION	Reconstruct/replace storm drain inlet to provide larger throat opening to better allow surface water drainage to channel behind #215.			
PR-2	LOCATION	At Harrison Avenue & Springhouse Lane intersection	none	\$55,000	5 to 7 mos
	DESCRIPTION	Reconstruct/replace storm drain inlets and/or install new inlets to provide larger throat openings and better capture surface water to help diminish stormwater flow running northeasterly on Harrison Avenue.			
PR-3	LOCATION	On both sides of Waverly Road, between Lismore Avenue & Harrison Avenue	none	\$25,000	5 to 7 mos
	DESCRIPTION	Reconstruct/replace storm drain inlet to provide larger throat opening and reduce surface runoff reaching Harrison Ave low spot – near #215.			
PR-4	LOCATION	Stormwater swale behind 146 Greenwood Avenue	none	\$25,000	5 to 7 mos
	DESCRIPTION	Modify design of existing grouped inlet covers to improve the capability for surface water to get into the underground culvert (to help reduce flooding of homes near 146 Greenwood Ave).			
PR-5	LOCATION	On both sides of Woodland Road, near Greenwood Avenue	none	\$25,000	5 to 7 mos
	DESCRIPTION	Reconstruct/replace storm drain inlet to provide larger throat opening and reduce surface runoff crossing Greenwood Ave and entering Maple Ave, which ultimately runs along swale behind 146 Greenwood Ave.			
PR-6	LOCATION	Behind 215 Harrison Avenue at junction of creek channels	none	\$25,000	10 to 12 mos
	DESCRIPTION	Install flap gate on existing storm drain outlet pipe and construct supplemental storm drain inlet/manhole that discharges into the channel at a higher elevation.			
PR-7	LOCATION	Vicinity of #211 Harrison Avenue rear yard, adjacent to creek channel	none	\$15,000	8 to 10 mos
	DESCRIPTION	Install new 4 inch drainage pipe through culvert wall and stub into rear yard. Homeowners may connect rear yard drainage systems to stub if desired. Provide stub to five properties.			
PR-8	LOCATION	At low area behind Bickley Rd homes along existing concrete culvert wall	none	\$21,000	8 to 10 mos
	DESCRIPTION	Install new 4 inch drainage pipe through culvert wall and stub into rear yard. Homeowners may connect rear yard drainage systems to stub if desired. Provide stub to seven properties.			
Item "PR" Cost Total			\$250,000 (includes \$34,000 contingency costs)		

⁽¹⁾ Estimated costs are based on the assumption that the Township Engineer prepares the plans, specifications and bid documents.

⁽²⁾ Time to accomplish is from date of funding commitment and authorization by Board of Commissioners (workload permitting).