

**Wayne County  
ARC 2016 Illicit Discharge Elimination Plan (IDEP)  
Work Plan**

**Task 1: Field Investigations (\$33,000)**

**Task 1a: Source Identification Advanced Investigations (\$27,000)**

WQMD will work with ARC staff, the City of Plymouth and the Wayne County Roads Division to arrange for and/or perform investigative monitoring of manholes, dye testing, smoke testing or closed-circuit television (CCTV) inspections as described in Table 1 to specifically locate sanitary sewer connections into the Harvey Street and Park Street municipal separate storm sewer systems (MS4).

**Table 1: Anticipated Activities**

<b>MS4 Area</b>	<b>Advanced Investigation Activities</b>	<b>Receiving Water</b>
Harvey Street	<p>CCTV and/or dye –test along Beech and Palmer streets to identify residential illicit connections for correction.</p> <p>Perform additional manhole inspection, sample collection and lab analysis of other Harvey Street MS4 tributary storm sewer segments to either target them or eliminate them for CCTV or residential dye testing.</p> <p>Perform CCTV and/or residential dye testing as budget allows in response to tributary storm segment manhole inspection and sampling efforts.</p>	Byron Creek tributary to S. Branch Tonquish Creek
Park Street	Dye test residential properties along Mill Street to identify residential illicit connections for correction.	Middle Branch in Plymouth

**Task 1b: Field Screening Priority Areas (\$6,000)**

WQMD will procure lab services and collect samples at up to 18 - 25 sites within the ARC’s Collaborative IDEP Priority Areas once in 2016 during dry weather conditions. The purpose of the sampling is to help further isolate/refine source identification priority areas for future collaborative IDEP Advanced Investigations. *Escherichia coli* (*E. coli*) analysis will be performed on the water samples collected. Table 2 and Figure 1 (below) identifies the sites that WQMD will target for sample collection. Several additional sites may be added based on results at these sites or in response to ARC staff/ARC member requests.

**Task : Reporting (\$2,000)**

Progress summaries will be written for each quarterly invoice. A written and oral summary of activities and results will be provided at ARC Technical Committees and a comprehensive final report will be prepared for use in the ARC’s Annual Report.

**Total Work Plan Budget: \$35,000 (\$27,500 ARC funds; \$7,500 WCDPS match)**

**Table 2: Proposed 2016 IDEP Investigative Monitoring Locations**

<b>Site ID</b>	<b>Proposed sites for ARC IDEP follow up upstream of Site G200</b>	<b>Branch</b>	<b>Community</b>
G200.2A	Upstream of Dunhill at Cherry Hill	Lower1	Superior Township
G200.2B	Gotfredson North of Cherry Hill and G200.2B	Lower 1	Superior Township
G200.2C	Godfredson North of Cherry Hill	Lower 1	Superior Township
G200.3A	Napier/Cherry Hill	Lower 1	Canton Township
G220.D	Ford/Gotfredson Rd	Lower 1	Superior Township
	<b>Proposed sites for ARC IDEP follow up upstream of Site L51</b>		
L51	McKinstry Drain	Lower 1	Canton Township
L51A	McKinstry Drain at Sheldon Rd	Lower 1	Canton Township
L51B	McKinstry Drain at Belleville Rd	Lower 1	Canton Township
	<b>Proposed sites for ARC IDEP follow up upstream of Site G94A</b>		
G94A	Sines and Arnold Drain/Beck Rd	Lower 1	Canton Township
G94B	Sines and Denton Rd	Lower 1	Canton Township
G94C	Sines and Mott Rd	Lower 1	Canton Township
	<b>Proposed sites for ARC IDEP follow up upstream of Site U15B</b>		
U15B	Beitz Drain at Wayne Rd Bicentennial Park	Upper	Livonia
U15B.1	unknown drainage to west of U51B	Upper	Livonia
U15B.2	unknown drainage to north of U51B	Upper	Livonia
	<b>Proposed sites for ARC IDEP follow up upstream of Site D62</b>		
D62D	South Branch Tonquish at JoAnn west of Sheldon Rd	Middle 1	Plymouth Township
D62D.1	South Branch Tonquish at Canton Center west of Sheldon Rd	Middle 1	Plymouth Township
D62A	North Branch Tonquish Creek at ford St	Middle 1	Plymouth
D62A.1.1	North Branch Tonquish Creek at Hartsough	Middle 1	Plymouth

Figure 1:

