

**Wayne County
ARC 2018 Illicit Discharge Elimination Plan (IDEP)
Work Plan
Approved TBD
DRAFT**

Task 1: Field Investigations (\$30,000 ARC; \$7,500 WQMD Match)

Wayne County Department of Public Services Water Quality Management Division (WQMD) will work with the City of Plymouth to perform investigative monitoring of manholes, dye testing, smoke testing or closed-circuit televise (CCTV) inspections as described in Table 1 to specifically locate sanitary sewer connections into the Harvey Street, Park Street and Hartsough Street municipal separate storm sewer systems (MS4).

Table 1: City of Plymouth Activities

MS4 Area	Advanced Investigation Activities	Receiving Water
Park Street	<p>Complete dye testing of residential properties along Mill Street to identify illicit connections for correction.</p> <ul style="list-style-type: none"> • Coordinate with City of Plymouth to issue notification letters to the 17 remaining addresses. • Schedule appointments, perform dye-test inspections and track results. 	Middle Branch in Plymouth
Hartsough Street	<ul style="list-style-type: none"> • Coordinate with the City of Plymouth to delineate drainage area of OF-24. • Perform dry weather manhole inspections, sample collection and lab analysis in the Hartsough/Burroughs Street MS4 area. • Sampling results will be used to identify storm sewer segments for CCTV or residential dye testing. <p>Figure 1 below identifies the basic work area.</p>	North Branch Tonquish Creek
Harvey Street	<p>Support the City of Plymouth’s efforts to complete residential dye testing in the following areas:</p> <ul style="list-style-type: none"> • Palmer Street west of Harvey Street to the terminal manhole east of McKinley Street. • Beech Street west of Harvey Street to the terminal manhole east of McKinley Street <p>Coordinate with City and ARC staff to determine if additional manhole inspection, sample collection and lab analysis is needed in the following areas:</p> <ul style="list-style-type: none"> • Linden Street west of Harvey Street to the terminal manhole east of Herald Street. • Jener Street from the Linden/Jener Street intersection north on Jener Street to the first manhole upstream. 	Byron Creek tributary to South Branch Tonquish Creek

Priority Area Monitoring

Consistent with the Collaborative IDEP, WQMD will procure lab services and collect *E. coli* and bacterial source tracking (BST) samples at up to 21 sites within the ARC's existing IDEP Priority Areas during dry and post wet weather conditions. The purpose of this sampling is to further narrow down or eliminate these areas for advanced investigations. Figure 2 identifies the priority areas and sampling sites. Table 1 lists the specific sites.

Task 2: IDEP Training (\$3,500)

WQMD will work with ARC Executive Director (ED) staff to provide staff for two IDEP Training workshops. It is anticipated that one workshop will be the Investigator training which will be hosted by Wayne County who will handle the advertisement, scheduling, registration, and meeting room arrangements per the training plan. The second workshop may be an awareness-type training offered in a web-based format. ARC ED staff will provide the logistics for the webinar training. WQMD will provide the presenter and technical support for the training.

Task 3: Reporting

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. The final report will be completed by December 31, 2017.

Total Work Plan Budget: \$41,000 (\$33,500 ARC funds; \$7,500 WCDPS match)

Figure 1 Hartsough Street Work Area

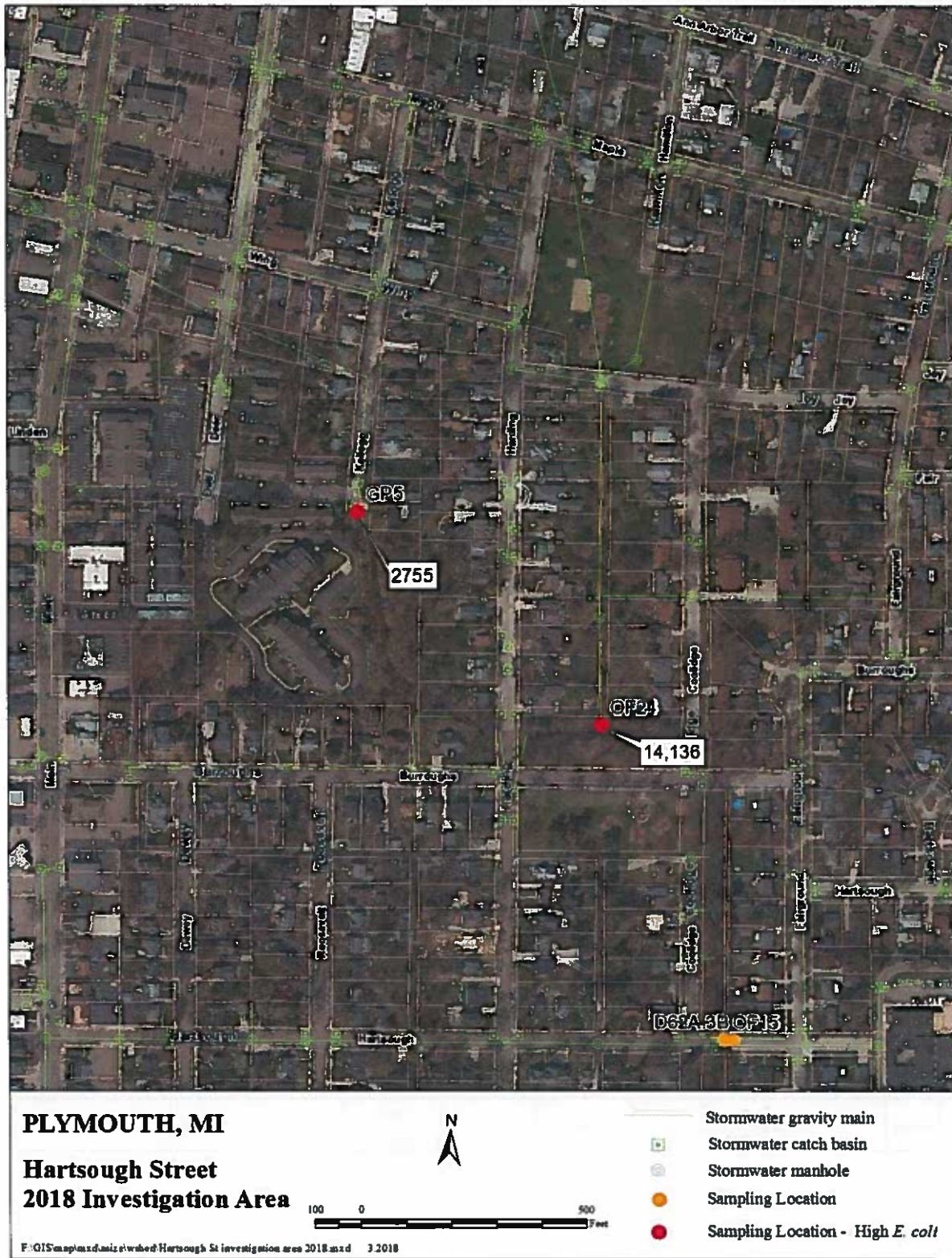


Table 1: 2018 Wayne County ARC Monitoring Locations

site count	SAW Site ID	Site ID	general description	Branch	Tributary	Community	Accessibility	Notes
1	SUR-2	U14.1	Bell Creek crossing at Farmington Rd between Five and Six Mile Roads)	Upper	Bell	Livonia	new downstream of U14	site from SAW 2016
2		U14.2	Barlow Drain outfall LD-3 (Oakdale/Hmpshire)	Upper	Bell	Livonia	MS4 manhole in park	MS4 outfall
3		U14.3	Gates Drain Amherst (at Oakdale)	Upper	Bell	Livonia	open drain at Amherst	MS4 outfall
4		U14.4	LD-11 Extension (Five Mile west of Gary Lane)	Upper	Bell	Livonia	outlet at Five Mile Rd	MS4 outfall
5		U14.5	Bakewell Drain at Elen Crossing	Upper	Bell	Livonia	crossing in neighborhood	natural stream
6		D62D	S. Branch Tonquish at Jo Ann Road west of Sheldon Rd	Middle	S. Branch Tonquish Creek	Plymouth Township	instream	High E. coli ARC IDEP
7		PT-28.1	Canton Center Northeast	Middle	Tonquish North branch	Canton Township	outfall	High E. coli WC SAW
8		D62A.2	North Branch Tonquish Creek at Harvey St	Middle	Tonquish North Branch	Plymouth City	instream	
9		GP5	Kellogg Street Outlet	Middle	Tonquish North Branch	Plymouth City	instream	High E. coli ARC IDEP
10		L51A	Fisher-Leng Drain (McKinstry Drain tributary) /Sheldon Rd	Lower	Fisher Leng Drain	Canton Township	instream	High E. coli ARC IDEP
11		L51A.1	Fisher-Leng Drain (McKinstry Drain tributary) /Belleville Rd	Lower	Fisher Leng Drain	Canton Township	instream	
12		L51	McKinstry Drain/Michigan Avenue	Lower	McKinstry Drain	Canton Township	instream	High E. coli ARC IDEP
13		L51.B1	McKinstry Drain/Morton Taylor	Lower	McKinstry Drain	Canton Township	instream	High E. coli ARC IDEP
14		L51.B2	McKinstry Drain/Sheldon North	Lower	McKinstry Drain	Canton Township	instream	
15		L51B	McKinstry/Van Born Rd	Lower	McKinstry Drain	Canton Township	instream	
16		L51B3	McKinstry Drain/Sheldon South	Lower	McKinstry Drain	Van Buren Township	instream	
17		G94A	Sines Drain/Beck	Lower	Sines	Canton Township	instream	High E. coli ARC IDEP
18		G94A.1	Sines Drain west of Beck Rd	Lower	Sines	Canton Township	instream	High E. coli ARC IDEP
19		G94A.2	Sines Drain/Mott Rd	Lower	Sines	Canton Township	insream	

Figure 2: 2018 Priority Area Sampling Sites

