

Attachment B

**Wayne County
ARC 2017 Illicit Discharge Elimination Plan (IDEP)
Work Plan
Approved: 3/13/2017**

Task 1: Field Investigations (\$35,000, \$27,500 ARC; \$7,500 Match)

WQMD will work with the City of Plymouth to arrange for and/or 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 and Park Street municipal separate storm sewer systems (MS4).

Table 1: Anticipated Activities

MS4 Area	Advanced Investigation Activities	Receiving Water
Harvey Street	<p>Support CCTV and/or perform dye testing of:</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, • 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 first manhole upstream. <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>Support CCTV and/or perform 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	<p>CCTV and/or dye testing of:</p> <ul style="list-style-type: none"> • Amelia Street west of Mill Street upstream to the Farmer Street intersection. <p>Dye test residential properties with City staff support along Mill Street to identify residential illicit connections for correction.</p>	Middle Branch in Plymouth
Hartsough Street	Perform dry weather outfall and manhole inspections, sample collection and lab analysis of Hartsough Street MS4 area and storm sewer segments to either target them or eliminate them for CCTV or residential dye testing.	N. Branch Tonquish Creek

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WQMD will select specific sites, procure lab services and collect samples at up to 18 sites within the ARC's Collaborative IDEP Priority Areas during dry weather conditions. The purpose of this sampling is to further narrow down the priority areas for advanced investigations. The anticipated focus areas include the Wayne County ARC Collaborative IDEP Priority areas of:

- North Branch Tonguish Creek and the Middle Rouge in Plymouth/Plymouth Township upstream of the Hartsough Street source identification work area.
- Sines and Arnold Drain in Canton Township at G94, G94A and G94B as well as the McKinstry Drain at L51, L51A and L51B
- Bell Creek in Livonia upstream of 2016 Wayne SAW grant monitoring site S-UR2.

Figure 1 below identifies the 2016 WQMD field screening monitoring sites as reference to the 2017 monitoring focus areas described above.

Task 2: IDEP Training (\$3,000)

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 Macomb 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 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: \$38,000 (\$30,500 ARC funds; \$7,500 WCDPS match)

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Figure 1: 2016 Wayne County Rouge Sampling Locations

