

Field Work Order #43 – Northfield Center

Project: 1518 Cuyahoga Valley Interceptor – Local Sewer System Evaluation Study (CVI-LSSES)

Subject: **Mainline Dye Testing**

Date: Thursday, October 24, 2019

To: Bob Hollis – Summit County, Department of Sanitary Sewer Services
Ross Nicholson – Summit County, Department of Sanitary Sewer Services
Alan Brubaker – Summit County
Steve Wright – Northfield Center
Richard Youel – Northfield Center
Judy Flauto – Northfield Center

Cc: William Fussner – Northeast Ohio Regional Sewer District (NEORSD)
Jacqueline Muhammad – NEORSD
Keith McClintock – NEORSD
Meiring Borchers – NEORSD
Darcy Riegel – HDR
Jennie Celik – HDR
Chris Pack – HDR
Adam Arnold – HDR
Josiah Denson – CT Consultants
Paul Harrison – C&K Industrial

Introduction

The CVI-LSSES Project Team will be conducting dye testing of the sanitary sewer system. Prior to dye testing activities, door hangers will be hung with no less than two days' notice and the City's fire and police departments will receive daily notifications when dye testing is performed. Notification signs will also be posted at the ends of the affected streets. The streets to be dye tested are listed in Table 1.

The objective of the dye testing will be to locate and identify sources of infiltration and inflow (I/I).

Background

1. Priority Subcatchment Name: CVG_25b
2. Prioritization Observations:
 - a. Community identified problem area.
 - b. Micro monitor analysis predicted surcharging.

Proposed Work Plan

1. Perform field activities in accordance with the *CVI-LSSSES Fieldwork Standard Operating Procedures Memorandum and Data Collection and Management Plan* standards, including all notification requirements. A copy of either document is available upon request.
2. Look for dye at these additional locations:
 - a. Ditches
 - b. Streams/Rivers

Table 1: Dye Testing Locations

County	Community	Upstream Manhole	Downstream Manhole	Street/Location	Approximate Length	Firm
Summit	Northfield Center	MAZH	MAZF	Kenwick Dr.	905 LF	C&K
Summit	Northfield Center	MAYQ	MAYS	Beacon Hill Blvd.	900 LF	C&K

Contact Information

Below is a summary of key contact information associated with this Work Order. For immediate assistance, please contact **Jennie Celik** (HDR's Field Services Representative).

Team Member	Contact Person	Email	Phone
HDR	Jennie Celik	Jennie.Celik@hdrinc.com	330-203-2774
HDR	Chris Pack	Christopher.Pack@hdrinc.com	216-912-4243
HDR	Darcy Riegel	Darcy.Riegel@hdrinc.com	216-912-4275
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CT Consultants	Josiah Denson	JDenson@ctconsultants.com	440-530-2248
C&K Industrial	Paul Harrison	PaulH@ckindustrial.com	216-538-8645

Anticipated Schedule

Below is a summary of the anticipated Work Order schedule.

Field Activity	Start Date	End Date
Dye Testing	10/30/2019	11/20/2019

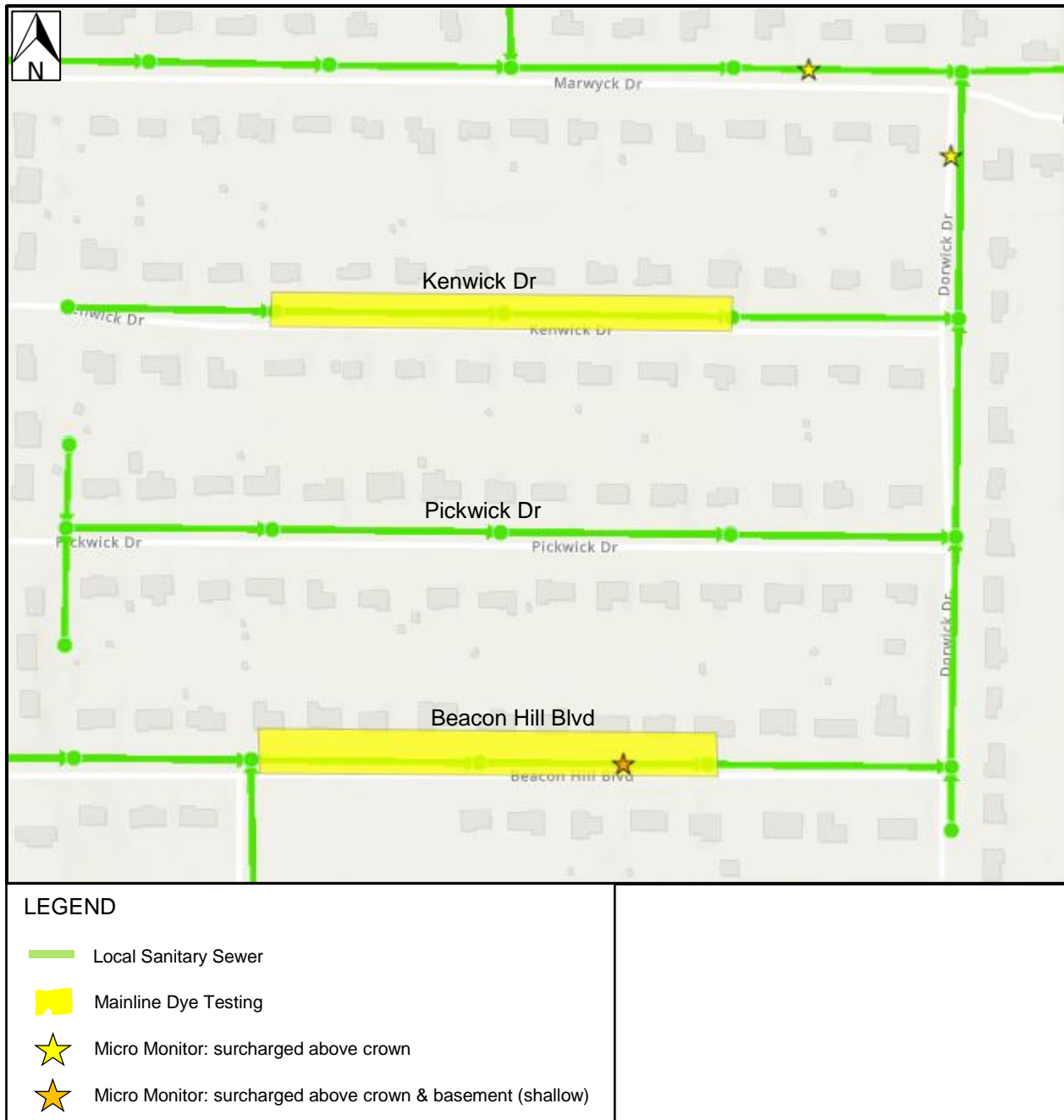


Figure 1: Dye Testing Map