



Ford Motor Company
Livonia Transmission Plant
36200 Plymouth Road
Livonia, Michigan 48150

July 14, 2017

Re: Update on Ford Livonia Transmission Plant Groundwater Testing Project

Dear Property Owner/Resident:

This letter is to provide you with information on the underground water testing and soil vapor monitoring work conducted by Ford east of the Livonia Transmission plant. All information and samples collected to date continue to show there are no health risks to residents, and importantly, there is **no impact to your home's drinking water**.

Underground Water Testing

Ford installed 20 permanent groundwater monitoring wells east of the Livonia Transmission plant. As shown on **Off-Site Groundwater Monitoring Figure 1**, vinyl chloride results are consistent with prior sampling results and still indicate the extent of vinyl chloride in groundwater has successfully been defined and there is no impact to drinking water in the area.

At MDEQ's request, Ford also analyzed groundwater for trichloroethene. As shown on **Off-Site Groundwater Monitoring Figure 2**, no trichloroethene was detected.

Ford continues to operate a groundwater capture and treatment system on the Livonia Transmission plant property which is addressing vinyl chloride impacts. Offsite groundwater monitoring will be conducted quarterly to monitor progress and results will continue to be shared with the community.

Soil Vapor Monitoring

Ford installed 43 temporary soil vapor monitoring points east of the Livonia Transmission plant. As shown on **Off-Site Vapor Intrusion Assessment Figures 1 and 2**, vinyl chloride and trichloroethene results are all below MDEQ action levels.

To provide additional data, Ford also analyzed groundwater beneath the soil vapor monitoring points located on residential properties. As shown on **Off-Site Vapor Intrusion Assessment Figures 3 and 4**, the results are consistent with groundwater monitoring results described above and indicate the extent of vinyl chloride in groundwater has successfully been defined and there is no impact to drinking water in the area.

Ford will continue to apprise the City of Livonia and work closely with the MDEQ on this project. As always, if you have questions, please call our toll-free number at 1-844-511-1002 or send an email to info@FordLivoniaBostonBeaconProject.com.

We will continue to keep you informed about our work. Please visit our website www.FordLivoniaBostonBeaconProject.com to stay up-to-date on the latest information about this project.

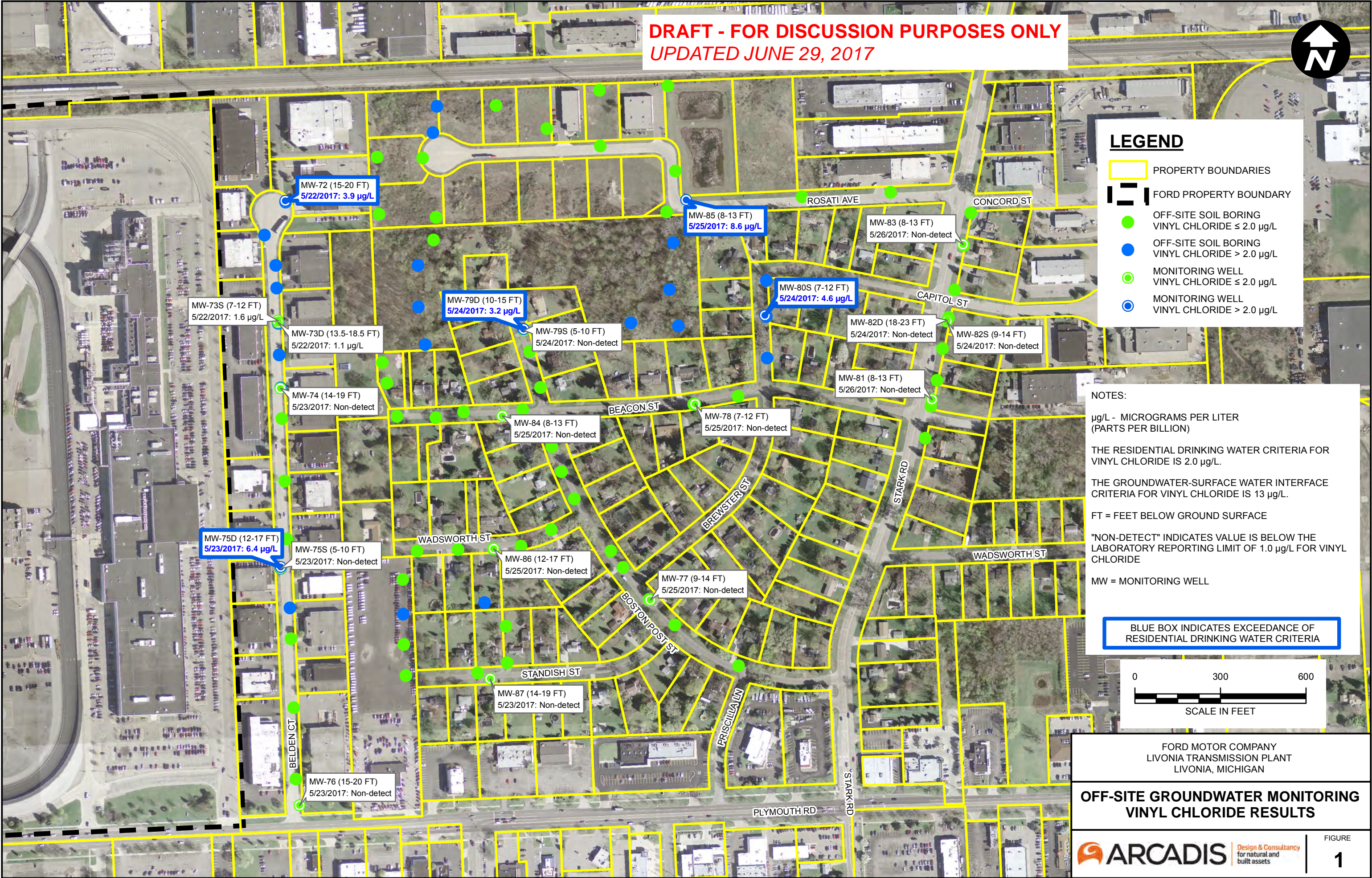
Best,

Robert A. Groden, Plant Manager
Ford Motor Company – Livonia Transmission Plant

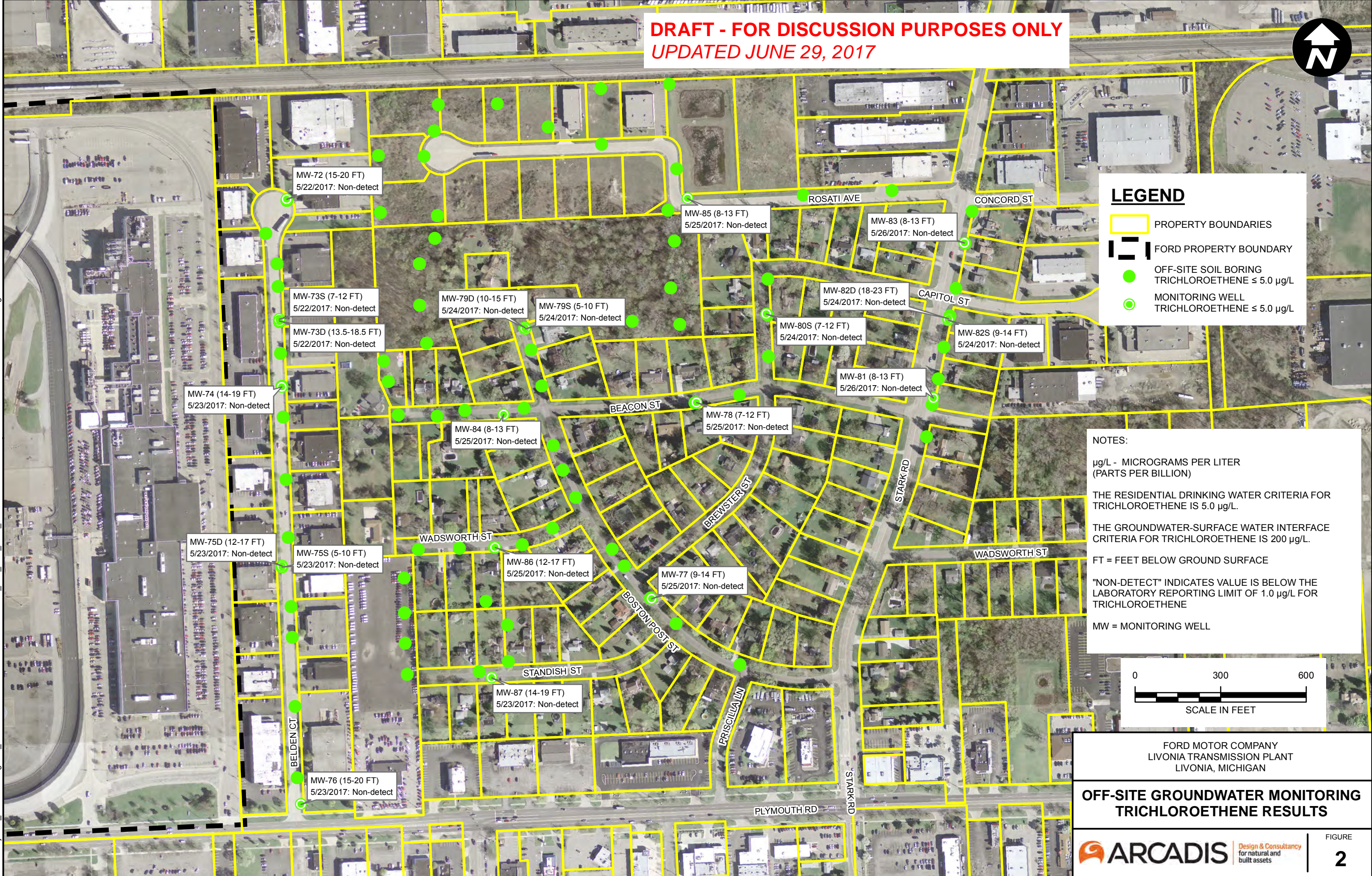
Attachments:

Off-Site Groundwater Monitoring Figures 1 and 2

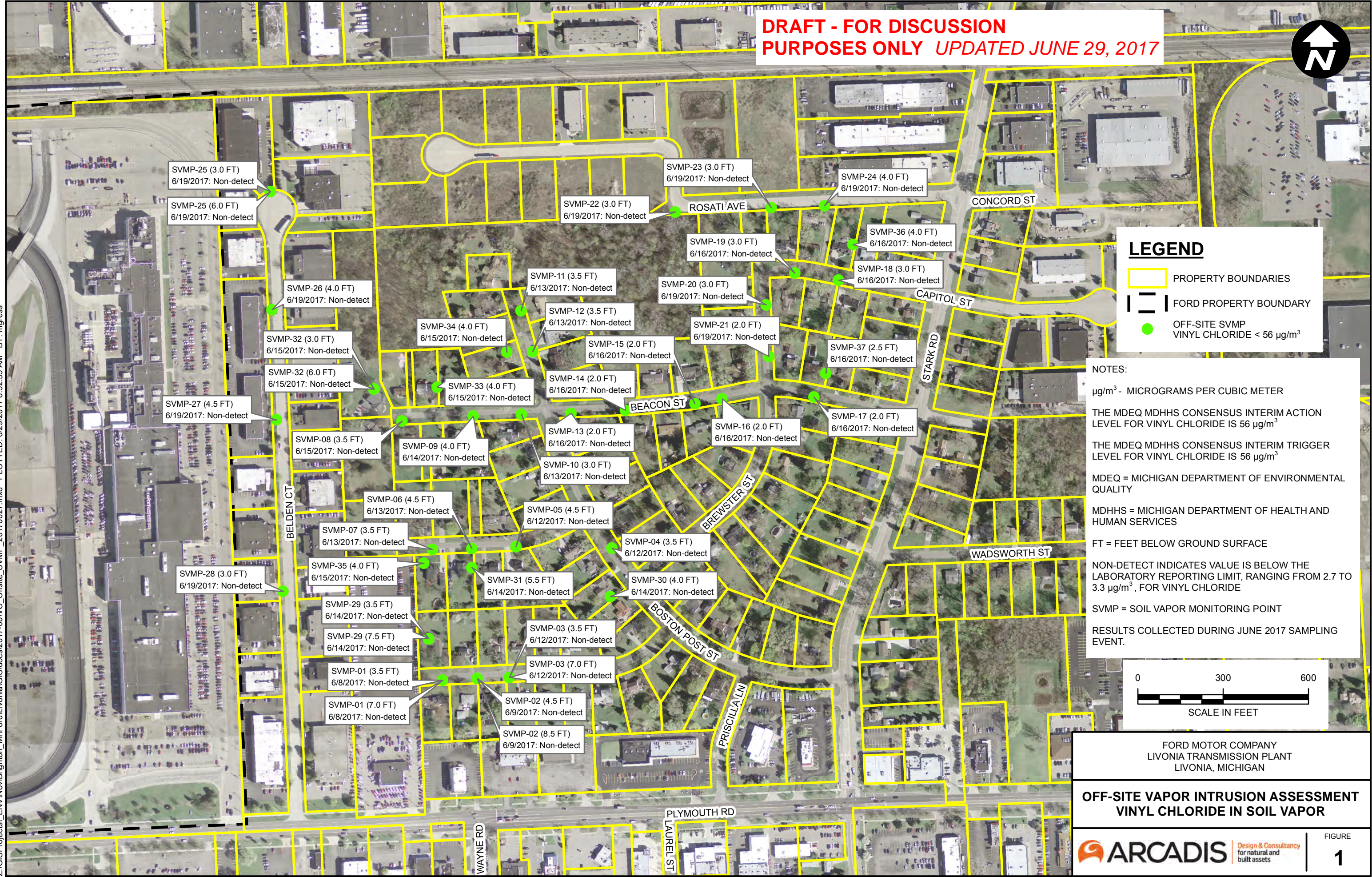
Off-Site Vapor Intrusion Assessment Figures 1, 2, 3, and 4



CITY: NOVI DIV: ENV DB: MG PIC: R. ELLIS PM: K. HINSKEY TM: T. STEVENS TR: P. CURRY PROJECT NUMBER: M001373.0001.00003 COORDINATE SYSTEM: NAD 1983 StatePlane Michigan South FIPS 2113 Feet Intl Z:\GISProjects\ENV\Novi\Brighton_Mn\Ford\Livonia\GISdocs\2017-06\Offsite_GW_TCE_Locs_20170629.mxd PLOTTED: 6/29/2017 11:00:08 AM BY: mgr

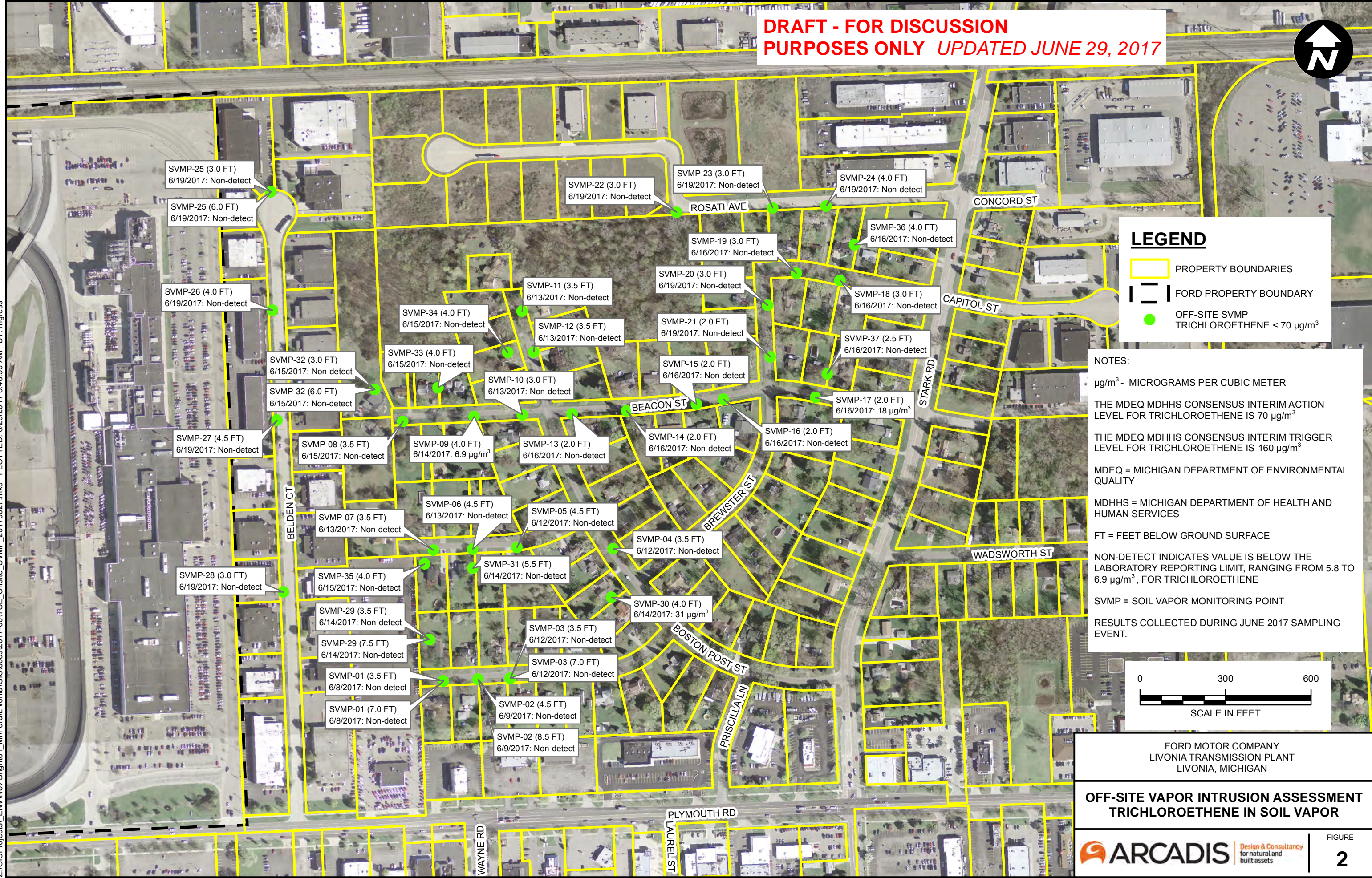


**DRAFT - FOR DISCUSSION
PURPOSES ONLY** *UPDATED JUNE 29, 2017*

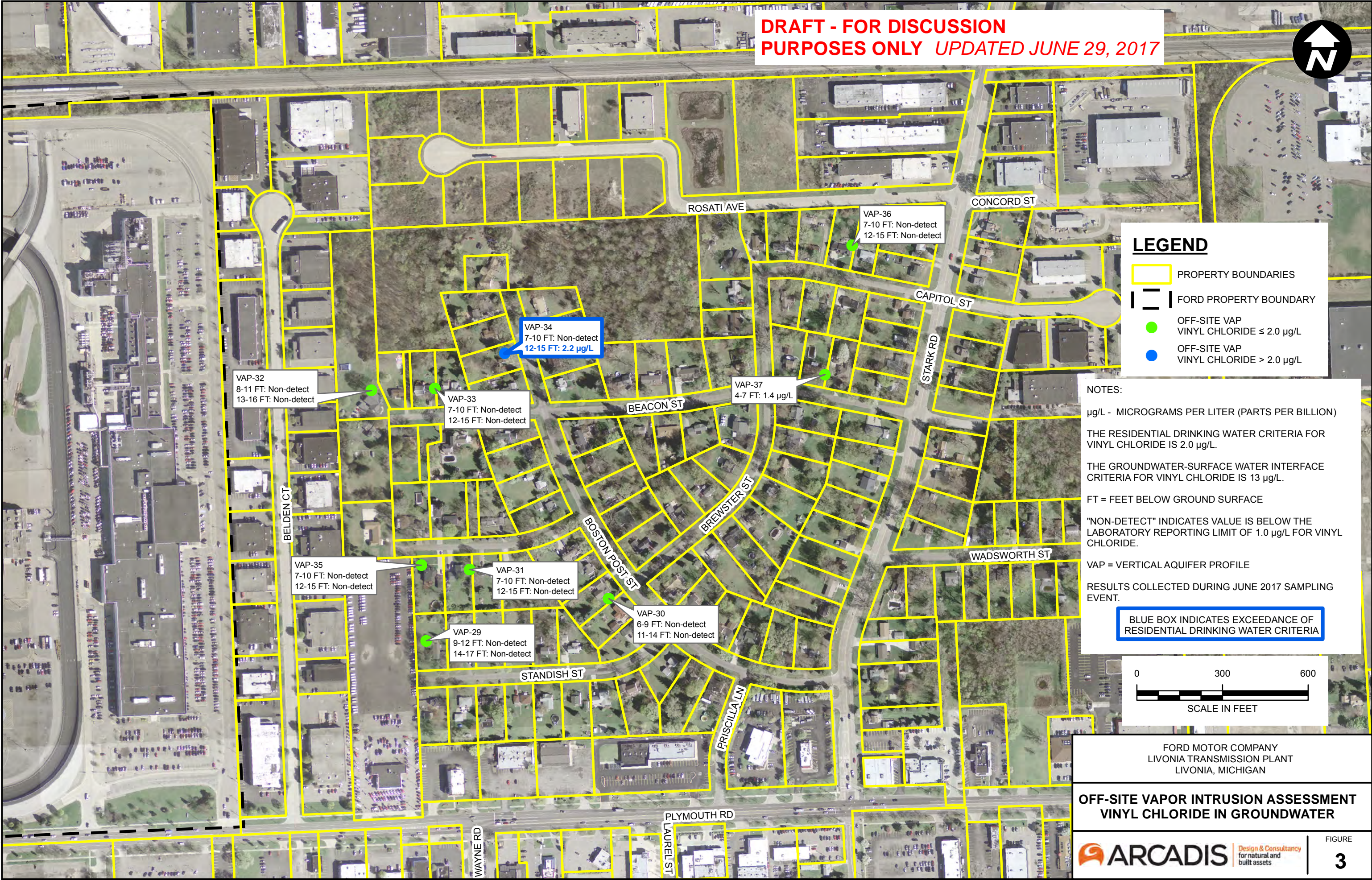


CITY: NOVI DIV: ENV DB: MG PIC: R. ELLIS PM: K. HINSKEY TM: T. STEVENS TR: P. CURRY PROJECT NUMBER: M001386.0001.00003 COORDINATE SYSTEM: NAD 1983 StatePlane Michigan South FIPS 2113 Feet Z:\GISProjects\ENV\Novi\Brighton_Mi\Ford\Livonia\GIS\docs\2017-06\TCE_OffSite_SVMP_20170627.mxd PLOTTED: 6/29/2017 8:48:59 AM BY: mgress

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LEGEND

- PROPERTY BOUNDARIES
- FORD PROPERTY BOUNDARY
- OFF-SITE VAP VINYL CHLORIDE ≤ 2.0 µg/L
- OFF-SITE VAP VINYL CHLORIDE > 2.0 µg/L

NOTES:

µg/L - MICROGRAMS PER LITER (PARTS PER BILLION)

THE RESIDENTIAL DRINKING WATER CRITERIA FOR VINYL CHLORIDE IS 2.0 µg/L.

THE GROUNDWATER-SURFACE WATER INTERFACE CRITERIA FOR VINYL CHLORIDE IS 13 µg/L.

FT = FEET BELOW GROUND SURFACE

"NON-DETECT" INDICATES VALUE IS BELOW THE LABORATORY REPORTING LIMIT OF 1.0 µg/L FOR VINYL CHLORIDE.

VAP = VERTICAL AQUIFER PROFILE

RESULTS COLLECTED DURING JUNE 2017 SAMPLING EVENT.

BLUE BOX INDICATES EXCEEDANCE OF RESIDENTIAL DRINKING WATER CRITERIA



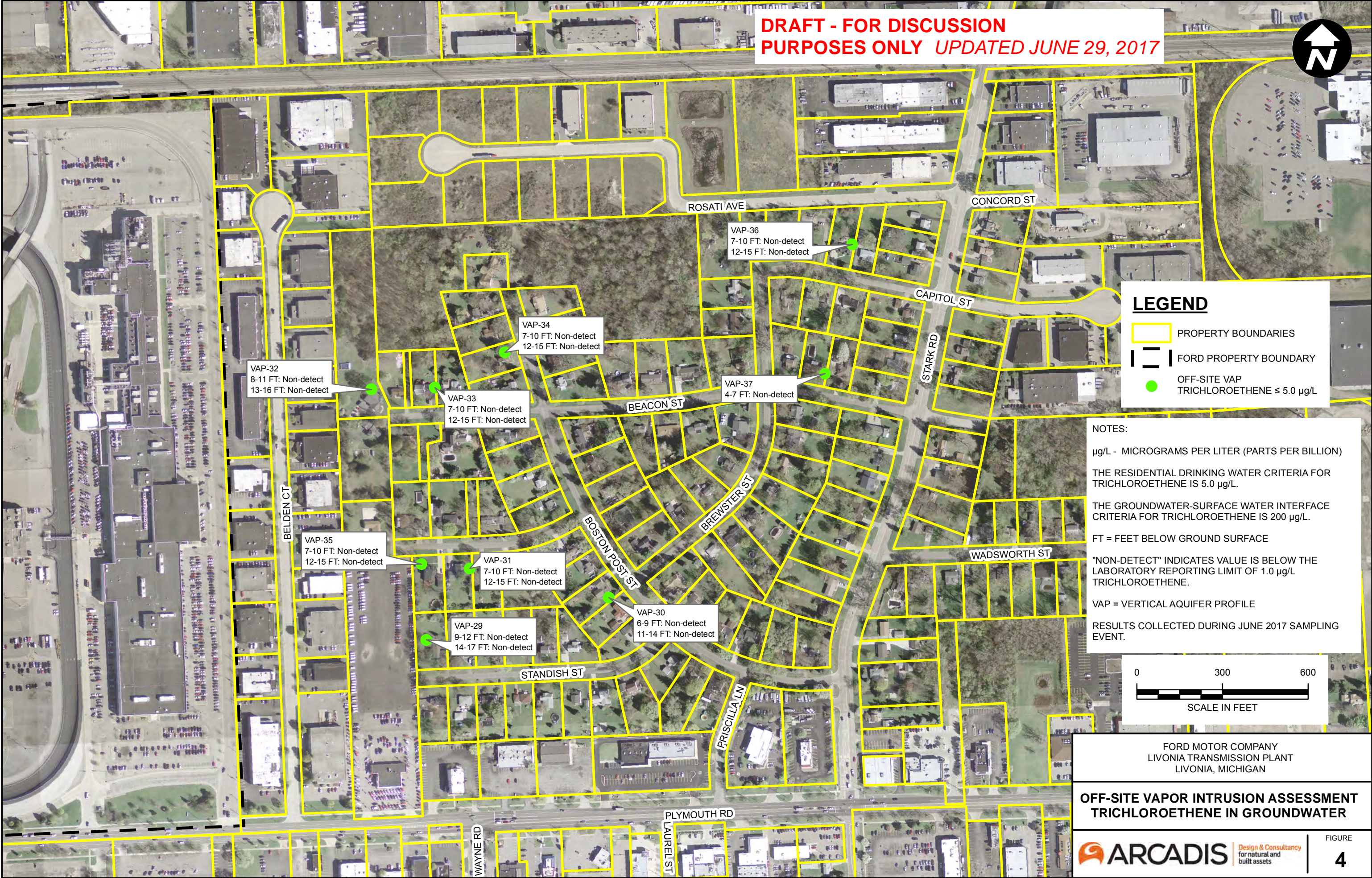
FORD MOTOR COMPANY
LIVONIA TRANSMISSION PLANT
LIVONIA, MICHIGAN

**OFF-SITE VAPOR INTRUSION ASSESSMENT
VINYL CHLORIDE IN GROUNDWATER**



CITY: NOVI DIV: ENV DB: MG PIC: R. ELLIS PM: K. HINSKEY TM: T. STEVENS TR: P. CURRY PROJECT NUMBER: M001386.0001.00003 COORDINATE SYSTEM: NAD 1983 StatePlane Michigan South FIPS 2113 Feet Z:\GISProjects\ENV\Novi\Brighton_Mn\Ford\Livonia\GIS\docs\2017-06\TCE_Offsite_VAP_20170627.mxd PLOTTED: 6/29/2017 8:54:33 AM BY: mgress

DRAFT - FOR DISCUSSION
PURPOSES ONLY *UPDATED JUNE 29, 2017*



LEGEND

- PROPERTY BOUNDARIES
- FORD PROPERTY BOUNDARY
- OFF-SITE VAP
TRICHLOROETHENE $\leq 5.0 \mu\text{g/L}$

NOTES:

$\mu\text{g/L}$ - MICROGRAMS PER LITER (PARTS PER BILLION)

THE RESIDENTIAL DRINKING WATER CRITERIA FOR TRICHLOROETHENE IS $5.0 \mu\text{g/L}$.

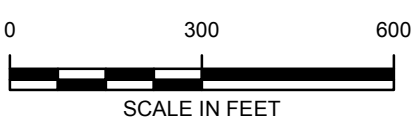
THE GROUNDWATER-SURFACE WATER INTERFACE CRITERIA FOR TRICHLOROETHENE IS $200 \mu\text{g/L}$.

FT = FEET BELOW GROUND SURFACE

"NON-DETECT" INDICATES VALUE IS BELOW THE LABORATORY REPORTING LIMIT OF $1.0 \mu\text{g/L}$ TRICHLOROETHENE.

VAP = VERTICAL AQUIFER PROFILE

RESULTS COLLECTED DURING JUNE 2017 SAMPLING EVENT.



FORD MOTOR COMPANY
LIVONIA TRANSMISSION PLANT
LIVONIA, MICHIGAN

**OFF-SITE VAPOR INTRUSION ASSESSMENT
TRICHLOROETHENE IN GROUNDWATER**

ARCADIS Design & Consultancy
for natural and built assets

FIGURE
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