Jorgensen, Theadora O - DNR

From: Cathy Warner <Catherine.Warner@ghd.com>
Sent: Monday, April 20, 2020 8:45 AM
To: Hnat, John J - DNR
Cc: Dustin Zedaker; Roger Ladewig
Subject: Solenis Milwaukee Cross Sections
Attachments: 11137347-00(000)GN-DL002_NewWells_x-sec-Transect.pdf; 11137347-00(000)GN-DL002_NewWells_x-sec-A-A.pdf; 11137347-00(000)GN-DL002_NewWells_x-sec-B-B.pdf

J,

Attached are updated cross sections for the Solenis Milwaukee project (the figure numbers will need to be changed when these get fitted into the report). I wanted to get these to you in advance of your meeting. We are working on the rest of the edits to the report.

Please let me know if you have any questions.

Cathy

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Senior Project Manager

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GPS Location
Lat/Long 43.1128°, -87.9628°

B MW-14
MW-9 PZ-9
SB-4
ASPHALT
CONCRETE
MW-8
PZ-8
MW-1
A
MW-16
MW-10
SB-3
MW-2R
SB-7
MW-13
MW-1R
MW-2
A'
GRASS
MW-10R
SB-11
GRAVEL
CONCRETE
MW-12
MW-6 PZ-6
SB-12/PZ-12
ASPHALT
SB-5
GRAVEL
APPROXIMATE DEMOLITION AREA (2016)
GRASS
B' MW-15
PARKING LOT

LEGEND
- PLUGGED & ABANDONED MONITORING WELL
- MONITORING WELL/SOIL BORING LOCATION (2018)
- NR 141 MONITORING WELL (SIGMA, OCTOBER 2016, DECEMBER 2016)
- PIEZOMETER (SIGMA, DECEMBER 2016)
- APPROXIMATE DEMOLITION AREA (2016)
- APPROXIMATE PROPERTY BOUNDARY

Source: MICROSOFT CORPORATION AND AFFILIATED DATA PROVIDERS DATED SEPTEMBER 2014

0 10 30ft

Coordinate System:
STATE PLANE -
WISCONSIN SOUTH

N

GHD

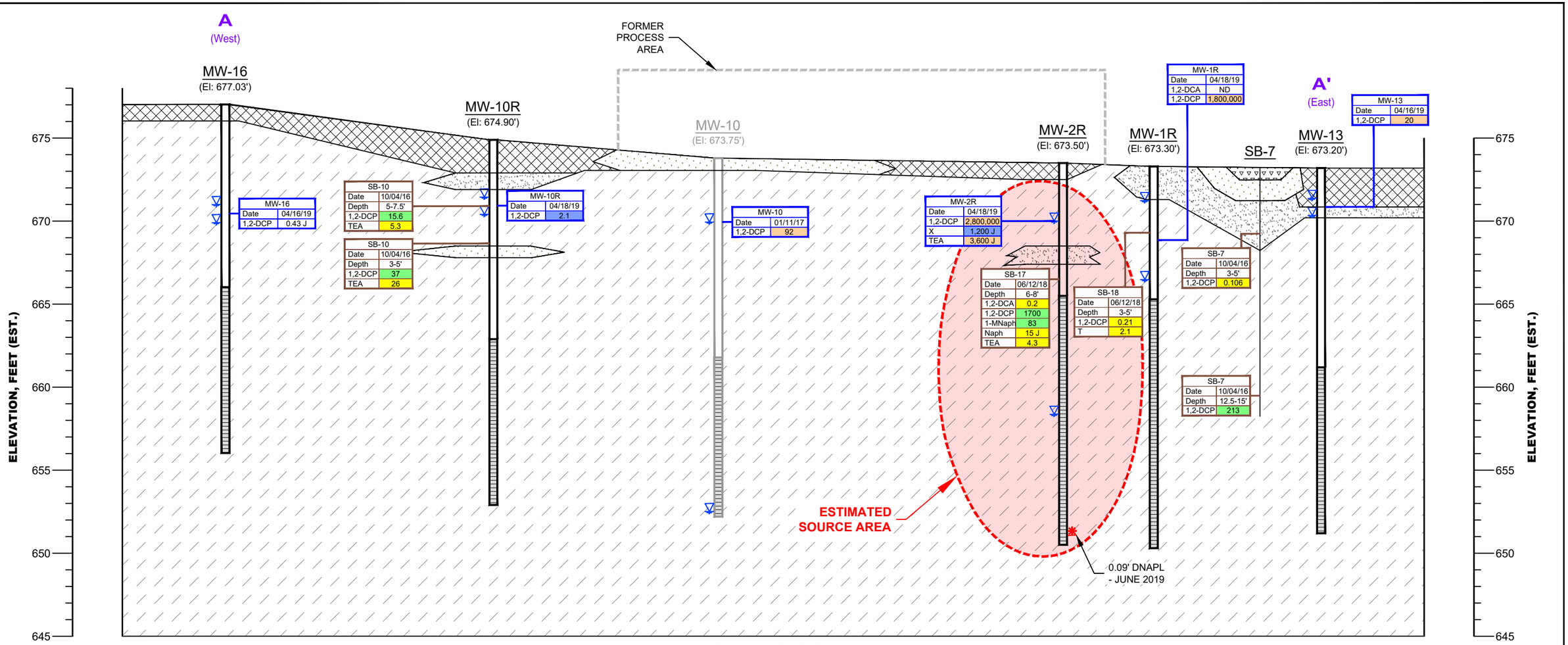
SOLENIS, LLC
5228 N. HOPKINS STREET
MILWAUKEE, WISCONSIN

11137347-00
Apr 17, 2020

GEOLOGIC CROSS-SECTION TRANSECT

FIGURE 1

CAD File: I:\CAD\Files\Eight Digit Job Numbers\1113----\11137347-Solenis_Milwaukee\11137347-00(000)GN-DL002_NewWells_x-sec.dwg



CROSS SECTION A-A'

1" = 6' VERT
1" = 30' HORIZ

0 10 30ft

LEGEND

- CONCRETE
- FILL
- SAND
- CLAY
- SILT
- GROUNDWATER MEASURED IN WELL JUNE 10, 2019
- DNAPL MEASURED IN WELL
- WELL SCREEN

NOTES:

RESULTS SHOWN ARE CONSTITUENTS DETECTED ABOVE APPLICABLE SCREENING CRITERIA.

RESULTS FOR GROUNDWATER (IN BLUE) ARE IN MICROGRAMS PER LITER (µG/L).

RESULTS FOR SOIL (IN BROWN) ARE IN MILLIGRAMS PER KILOGRAM (MG/KG).

0.21 - CONCENTRATION DETECTED ABOVE APPLICABLE GROUNDWATER PATHWAY RCL

83 - CONCENTRATION DETECTED ABOVE APPLICABLE INDUSTRIAL DIRECT CONTACT RCL AND GROUNDWATER PATHWAY RCL

2.4 - CONCENTRATION DETECTED ABOVE APPLICABLE NR 140 PREVENTATIVE ACTION LIMIT, FEBRUARY 2017

68 - CONCENTRATION DETECTED ABOVE APPLICABLE NR 140 ENFORCEMENT STANDARD, FEBRUARY 2017

J - RESULT IS LESS THAN THE REPORTING LIMIT BUT GREATER THAN OR EQUAL TO THE METHOD DETECTION LIMIT

E - INDICATES AN ESTIMATED VALUE

Depth	DEPTH OF SAMPLE (FT)
B	BENZENE
T	TOLUENE
E	ETHYLBENZENE
X	TOTAL XYLENES
Naph	NAPHTHALENE
1,4-DCB	1,4-DICHLOROBENZENE
1,2-DCA	1,2-DICHLOROETHANE
1,2-DCP	1,2-DICHLOROPROPANE
1,2,4-TMB	1,2,4-TRIMETHYLBENZENE
1,3,5-TMB	1,3,5-TRIMETHYLBENZENE
1-MNaph	1-METHYLNAPHTHALENE
2-NP	2-NITROPROPANE
TEA	TRIETHYLAMINE
DNAPL	DENSE NON-AQUEOUS PHASE LIQUID

0 10 30ft

Coordinate System:
STATE PLANE -
WISCONSIN SOUTH

N

GHD

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MILWAUKEE, WISCONSIN

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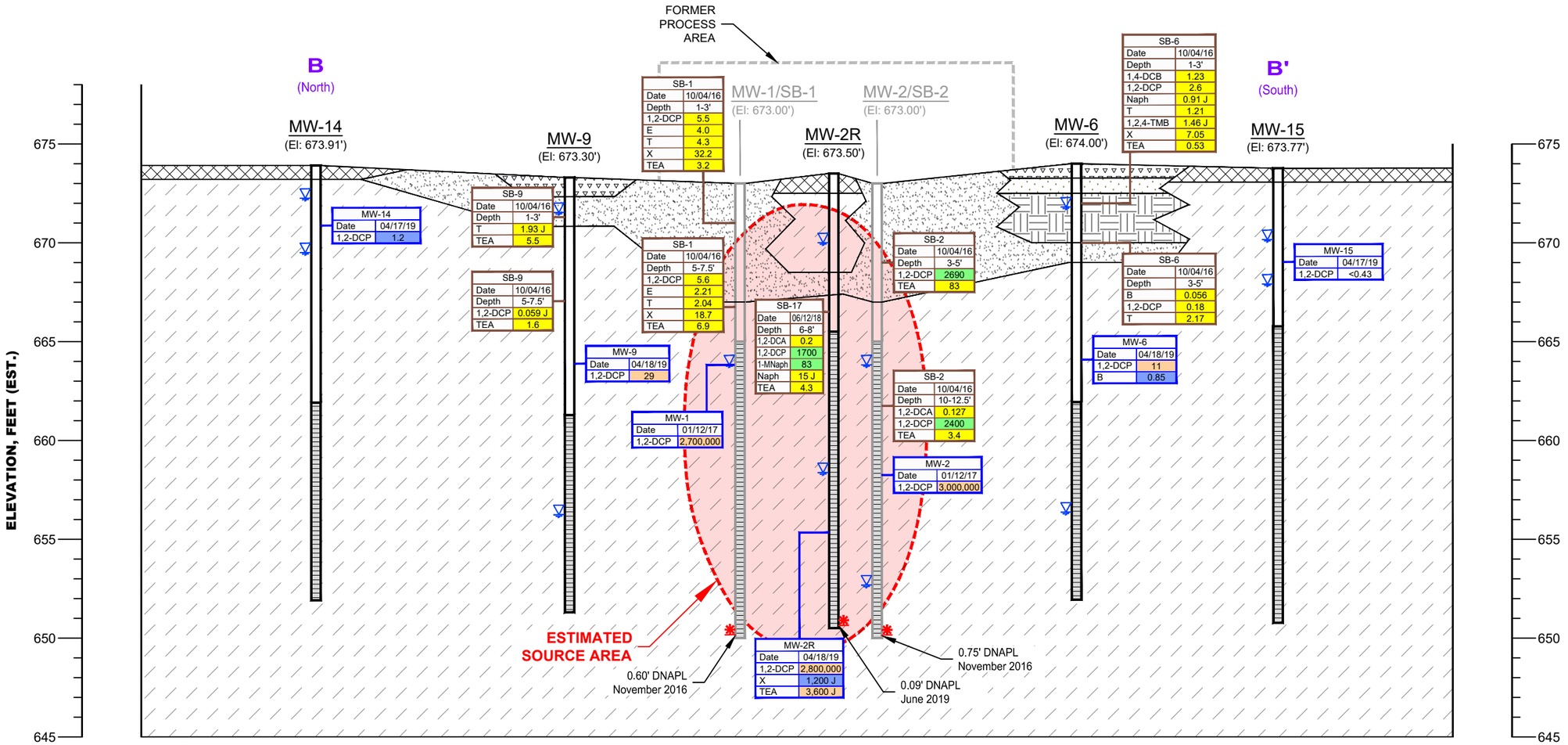
GEOLOGIC CROSS-SECTION - A-A'

FIGURE 2

CAD File: I:\CAD\Files\Eight Digit Job Numbers\1113----\11137347-Solenis_Milwaukee\11137347-00(000)GN-DL002_NewWells_x-sec.dwg



CROSS SECTION B-B'

1" = 6' VERT
1" = 30' HORIZ

0 10 30ft

LEGEND

- CONCRETE
- FILL
- PEAT
- SAND
- CLAY
- SILT
- GROUNDWATER MEASURED IN WELL JUNE 10, 2019
- DNAPL MEASURED IN WELL
- WELL SCREEN

NOTES:

RESULTS SHOWN ARE CONSTITUENTS DETECTED ABOVE APPLICABLE SCREENING CRITERIA.

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83 - CONCENTRATION DETECTED ABOVE APPLICABLE INDUSTRIAL DIRECT CONTACT RCL AND GROUNDWATER PATHWAY RCL

2.4 - CONCENTRATION DETECTED ABOVE APPLICABLE NR 140 PREVENTATIVE ACTION LIMIT, FEBRUARY 2017

68 - CONCENTRATION DETECTED ABOVE APPLICABLE NR 140 ENFORCEMENT STANDARD, FEBRUARY 2017

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1-MNaph	1-METHYLNAPHTHALENE
2-NP	2-NITROPROPANE
TEA	TRIETHYLAMINE
DNAPL	DENSE NON-AQUEOUS PHASE LIQUID

0 10 30ft

Coordinate System:
STATE PLANE -
WISCONSIN SOUTH

SOLENIS, LLC
5228 N. HOPKINS STREET
MILWAUKEE, WISCONSIN

11137347-00
Apr 19, 2020

GEOLOGIC CROSS-SECTION - B-B'

FIGURE 3

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