

MEMO

To:

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From:

Brad Saunders

Date:

December 20, 2021

Arcadis Project No.:

30075936.00005

Subject:

Joslyn-Wesbrook North Parcel Monitoring Well Abandonment Summary
Pontiac North Campus

This memorandum summarizes temporary monitoring well abandonment activities conducted at the Joslyn-Wesbrook North Parcel of the Revitalizing Auto Communities Environmental Response Trust (RACER) Pontiac North Campus Site (Site) located in Pontiac, Michigan. The location of the temporary monitoring wells on the parcel located at the southwest corner of the Joslyn Avenue / Wesbrook Street intersection in Pontiac, Michigan are depicted in **Figure 1**. The temporary monitoring wells were previously installed on April 26-27, 2021, as part of environmental investigation activities reported in the Joslyn-Wesbrook North Parcel Screening Investigation Report (Arcadis, August 3, 2021) submitted to USEPA.

Well abandonment activities were conducted on November 29, 2021 by Terra Probe Environmental, Inc. under Arcadis' oversight. A total of five temporary monitoring wells were abandoned (JN-SB-01, JN-SB-02, JN-SB-03, JN-SB-04 and JN-SB-05). Prior to abandonment, total well depths which ranged from 9 to 16 feet below ground surface were confirmed to be consistent with well construction records. At each well location, the entire PVC well casing was completely removed from the ground. The empty boreholes were then backfilled by pouring and hydrating bentonite chips from the bottom of holes to slightly below the ground surface, and then filled to ground surface with a mixture of topsoil and dormant grass seed.

Well abandonment records and photos are included as **Attachment 1**.

December 20, 2021

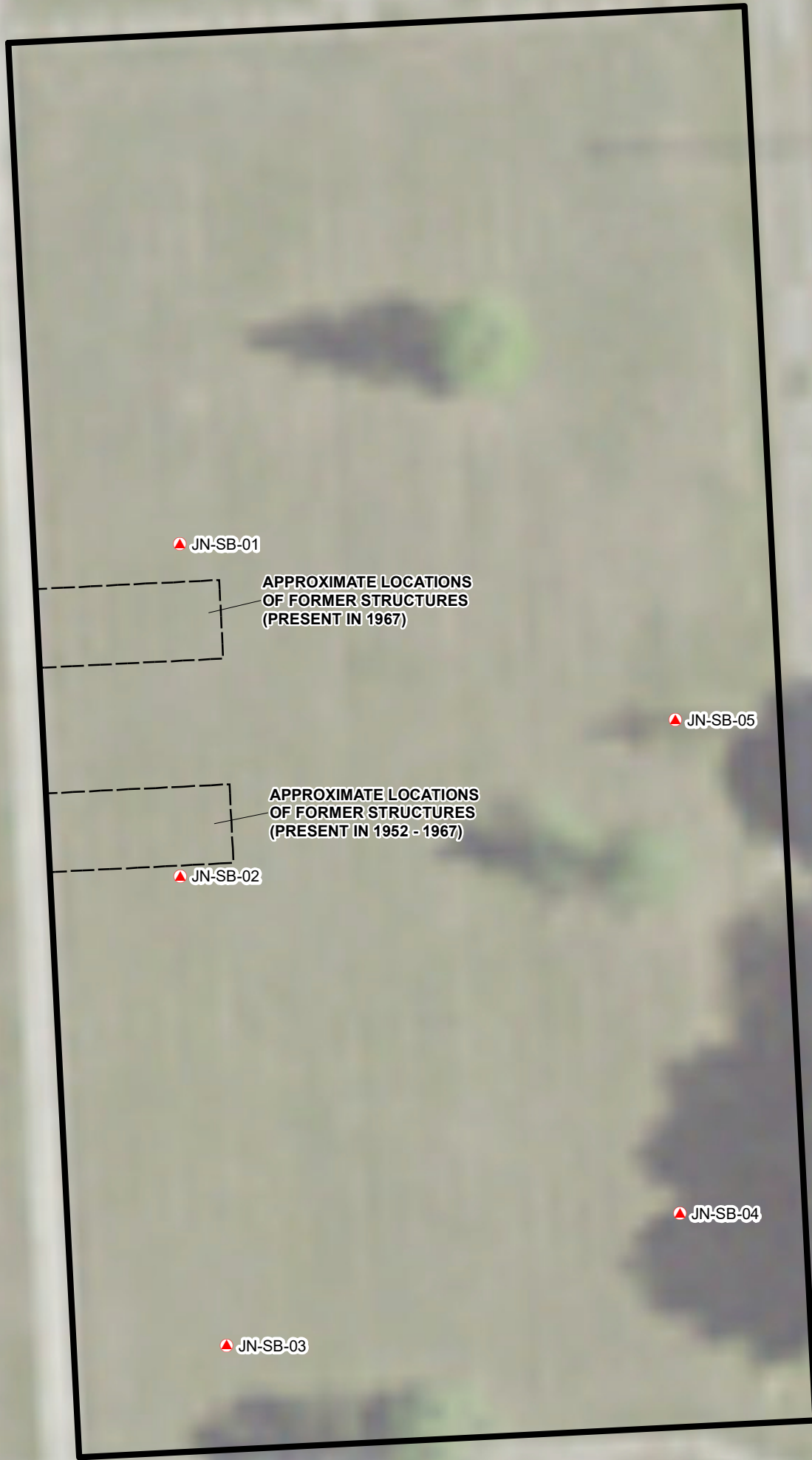
Joslyn-Wesbrook North Parcel Monitoring Well Abandonment Summary

Figures

Figure 1 Joslyn-Wesbrook North Parcel Boring/Temporary Monitoring Well Abandonment Locations

Attachments

Attachment 1 Well Abandonment Records






CITY: NOVI, MI DIV: ENV DB: TRY PIC: PM: B. Saunders TM: L. Crisp TR: PROJECT NUMBER: 30075936.00005 COORDINATE SYSTEM: NAD 1983 StatePlane Michigan South FIPS 2113 Feet
D:\GIS\Project Files\Motors\Liquidation\Company\PontiacNorthCampus\Documents\JoslynProperty\BoringTempWell_Abandonment 202112.mxd PLOTTED: 12/17/2021 11:31:14 AM BY: TYarborough

Joslyn Ave

Wesbrook

LEGEND

-  ABANDONED SOIL BORING/TEMPORARY MONITORING WELL
-  HISTORIC SITE STRUCTURES
-  PROPERTY BOUNDARY

0 20 40
SCALE IN FEET

RACER TRUST
PONTIAC NORTH CAMPUS
PONTIAC, MICHIGAN

**JOSLYN-WESBROOK NORTH PARCEL
BORING/TEMPORARY WELL
ABANDONMENT LOCATIONS**

MONITOR WELL ABANDONMENT RECORD



Site Name : RACER Pontiac

Well ID: JN-SB-01

Site Name: RACER Pontiac

County: Oakland

Well ID: JN-SB-01

Project Number: 30075936

Date Installed: 4/26/2021

Date Abandoned: 11/29/2021

Subcontractor: Terraprobe

Well Depth: 16 ft

Screen Depth from TOC (ft): 11 ft

Water Table Depth from TOC: 8.45 ft

Casing Type: Galvanized PVC Stainless Steel ID: 2in 4in

Screen Type: PVC Stainless steel Abandoned Screen Length: 5 ft

2in Annulus Grouted: Yes No from 2 ft to 9 ft Grout Type: Bentonite

4in Annulus Grouted: Yes No from __ ft to __ ft Grout Type:

Casing: Pulled Cut Depth BGS: Well Grouted? Yes No

Grout Type: Bentonite Cement Grout Mixture: Chips Slurry

Grouting Method: Through Casing Tremie Poured

Other Grouting Method Other:

Crew: Scott Seals, Floyd Kanavel

Comments: Backfilled with bentonite chips.

Notes:

ft - feet

in - inches

TOC - Top of Casing

ID - Inside Diameter

BGS - Below ground surface

MONITOR WELL ABANDONMENT RECORD



Site Name : RACER Pontiac

Well ID: JN-SB-01

Location Sketch: See attached site map

Well before Abandonment



Well after Abandonment



A handwritten signature in black ink, appearing to be "D. Smith".

Signature Of Consultant

Arcadis/Geologist

Company / Position

11/29/2021

Date

MONITOR WELL ABANDONMENT RECORD



Site Name : RACER Pontiac

Well ID: JN-SB-02

Site Name: RACER Pontiac

County: Oakland

Well ID: JN-SB-02

Project Number: 30075936

Date Installed: 4/26/2021

Date Abandoned: 11/29/2021

Subcontractor: Terraprobe

Well Depth: 16 ft

Screen Depth from TOC (ft): 11 ft

Water Table Depth from TOC: 9.22 ft

Casing Type: Galvanized PVC Stainless Steel ID: 2in 4in

Screen Type: PVC Stainless steel Abandoned Screen Length: 5 ft

2in Annulus Grouted: Yes No from 2 ft to 9 ft Grout Type: Bentonite

4in Annulus Grouted: Yes No from __ ft to __ ft Grout Type:

Casing: Pulled Cut Depth BGS: Well Grouted? Yes No

Grout Type: Bentonite Cement Grout Mixture: Chips Slurry

Grouting Method: Through Casing Tremie Poured

Other Grouting Method Other:

Crew: Scott Seals, Floyd Kanavel

Comments: Backfilled with bentonite chips.

Notes:

ft - feet

in - inches

TOC - Top of Casing

ID - Inside Diameter

BGS - Below ground surface

MONITOR WELL ABANDONMENT RECORD



Site Name : RACER Pontiac

Well ID: JN-SB-02

Location Sketch: See attached site map

Well before Abandonment



Well after Abandonment



A handwritten signature in black ink, appearing to be 'M. J. ...'.

Signature Of Consultant

Arcadis/Geologist

Company / Position

11/29/2021

Date

MONITOR WELL ABANDONMENT RECORD



Site Name : RACER Pontiac

Well ID: JN-SB-03

Site Name: RACER Pontiac

County: Oakland

Well ID: JN-SB-03

Project Number: 30075936

Date Installed: 4/27/2021

Date Abandoned: 11/29/2021

Subcontractor: Terraprobe

Well Depth: 9 ft

Screen Depth from TOC (ft): 4 ft

Water Table Depth from TOC: 7.32 ft

Casing Type: Galvanized PVC Stainless Steel ID: 2in 4in

Screen Type: PVC Stainless steel Abandoned Screen Length: 5 ft

2in Annulus Grouted: Yes No from 0.7 ft to 2.5 ft Grout Type: Bentonite

4in Annulus Grouted: Yes No from __ ft to __ ft Grout Type:

Casing: Pulled Cut Depth BGS: Well Grouted? Yes No

Grout Type: Bentonite Cement Grout Mixture: Chips Slurry

Grouting Method: Through Casing Tremie Poured

Other Grouting Method Other:

Crew: Scott Seals, Floyd Kanavel

Comments: Backfilled with bentonite chips.

Notes:

ft - feet

in - inches

TOC - Top of Casing

ID - Inside Diameter

BGS - Below ground surface

MONITOR WELL ABANDONMENT RECORD



Site Name : RACER Pontiac

Well ID: JN-SB-03

Location Sketch: See attached site map

Well before Abandonment



Well after Abandonment



A handwritten signature in black ink, appearing to read "A. Jones".

Signature Of Consultant

Arcadis/Geologist

Company / Position

11/29/2021

Date

MONITOR WELL ABANDONMENT RECORD



Site Name : RACER Pontiac

Well ID: JN-SB-04

Site Name: RACER Pontiac

County: Oakland

Well ID: JN-SB-04

Project Number: 30075936

Date Installed: 4/27/2021

Date Abandoned: 11/29/2021

Subcontractor: Terraprobe

Well Depth: 13.5 ft

Screen Depth from TOC (ft): 8.5 ft

Water Table Depth from TOC: 9.14 ft

Casing Type: Galvanized PVC Stainless Steel ID: 2in 4in

Screen Type: PVC Stainless steel Abandoned Screen Length: 5 ft

2in Annulus Grouted: Yes No from 2 ft to 6.5 ft Grout Type: Bentonite

4in Annulus Grouted: Yes No from __ ft to __ ft Grout Type:

Casing: Pulled Cut Depth BGS: Well Grouted? Yes No

Grout Type: Bentonite Cement Grout Mixture: Chips Slurry

Grouting Method: Through Casing Tremie Poured

Other Grouting Method Other:

Crew: Scott Seals, Floyd Kanavel

Comments: Backfilled with bentonite chips.

Notes:

ft - feet

in - inches

TOC - Top of Casing

ID - Inside Diameter

BGS - Below ground surface

MONITOR WELL ABANDONMENT RECORD



Site Name : RACER Pontiac

Well ID: JN-SB-04

Location Sketch: See attached site map

Well before Abandonment

No pre-abandonment photo was collected

Well after Abandonment



Additional Photos



Signature Of Consultant

Arcadis/Geologist

Company / Position

11/29/2021

Date

MONITOR WELL ABANDONMENT RECORD



Site Name : RACER Pontiac

Well ID: JN-SB-05

Site Name: RACER Pontiac

County: Oakland

Well ID: JN-SB-05

Project Number: 30075936

Date Installed: 4/27/2021

Date Abandoned: 11/29/2021

Subcontractor: Terraprobe

Well Depth: 14 ft

Screen Depth from TOC (ft): 9 ft

Water Table Depth from TOC: 8.41 ft

Casing Type: Galvanized PVC Stainless Steel ID: 2in 4in

Screen Type: PVC Stainless steel Abandoned Screen Length: 5 ft

2in Annulus Grouted: Yes No from 2 ft to 7 ft Grout Type: Bentonite

4in Annulus Grouted: Yes No from __ ft to __ ft Grout Type:

Casing: Pulled Cut Depth BGS: Well Grouted? Yes No

Grout Type: Bentonite Cement Grout Mixture: Chips Slurry

Grouting Method: Through Casing Tremie Poured

Other Grouting Method Other:

Crew: Scott Seals, Floyd Kanavel

Comments: Backfilled with bentonite chips

Notes:

ft - feet

in - inches

TOC - Top of Casing

ID - Inside Diameter

BGS - Below ground surface

MONITOR WELL ABANDONMENT RECORD



Site Name : RACER Pontiac

Well ID: JN-SB-05

Location Sketch: See attached site map

Well before Abandonment



Well after Abandonment



Additional Photos



Signature Of Consultant

Arcadis/Geologist

Company / Position

11/29/2021

Date