## Amadi, Eric A - DNR

**From:** Alessi, Timothy G - DNR
**Sent:** Wednesday, August 14, 2024 10:49 AM
**To:** Melinda Dejewski
**Cc:** Amadi, Eric A - DNR
**Subject:** RE: West Allis New DPW Facility - Lead Areas (Teledyne)
BRRTS #: 02-41-556802

Hi Melinda,

Thank you for bringing this to my attention yesterday and sending over the figures and information. DNR has discussed the remedy you have been conducting along with the analytical data you have provided. We have determined that the lead exceedances at locations A-07-EW-R2 and A-09-EW-R2 can remain in place and no further excavation is necessary. The location of the exceedances will need to be documented in future submittals and a cap will need to be in place as the final remedy at the time of closure. The DNR appreciates all of the work you have put into this site to improve the environment.

If you have any further questions feel free to reach out.

Thank you,
Tim

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Timothy G. Alessi, P.G.
Southeast Region Team Supervisor
Remediation and Redevelopment Program
Wisconsin Department of Natural Resources
1027 W St. Paul Avenue
Milwaukee, WI 53233
Phone: 414-881-1015
timothy.alessi@wisconsin.gov

dnr.wi.gov

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**From:** Melinda Dejewski <MDejewski@westalliswi.gov>
**Sent:** Wednesday, August 14, 2024 7:20 AM
**To:** Alessi, Timothy G - DNR <timothy.alessi@wisconsin.gov>
**Subject:** West Allis New DPW Facility - Lead Areas

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Tim
Here's the map that has the lab results and a table with results. If you have any questions, please let me know.

Thanks so much!!
Melinda

**Melinda K. Dejewski, PE**
City Engineer
City of West Allis
7525 W. Greenfield Ave | West Allis WI 53214
Office: (414) 302-8374
www.westalliswi.gov/myonlineservices

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Tim
Here is a map of the areas we have excavated. The last 2 samples – 7 and 9 – were still above 800 at 1400-ish after this last round of testing. We have done the areas in black and red. I will get exact numbers shortly but wanted to get a map for you asap.

You can see these areas are under the building and we have expanded our removals a couple of times.

Let me know what your thoughts are about leaving these areas in place.

Thanks so much!
Melinda

**Melinda K. Dejewski, PE**
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City Hall offices are open to the public from 11:30 a.m. - 4:30 p.m., Monday - Friday. For the safety of our visitors and staff, access to the building is only available through the south entrance. Visitors to the building will be greeted at our customer service counter and, if needed, escorted to their destination within the building. Many City services can be accessed online at https://www.westalliswi.gov/mycityhall or by appointment with specific departments.

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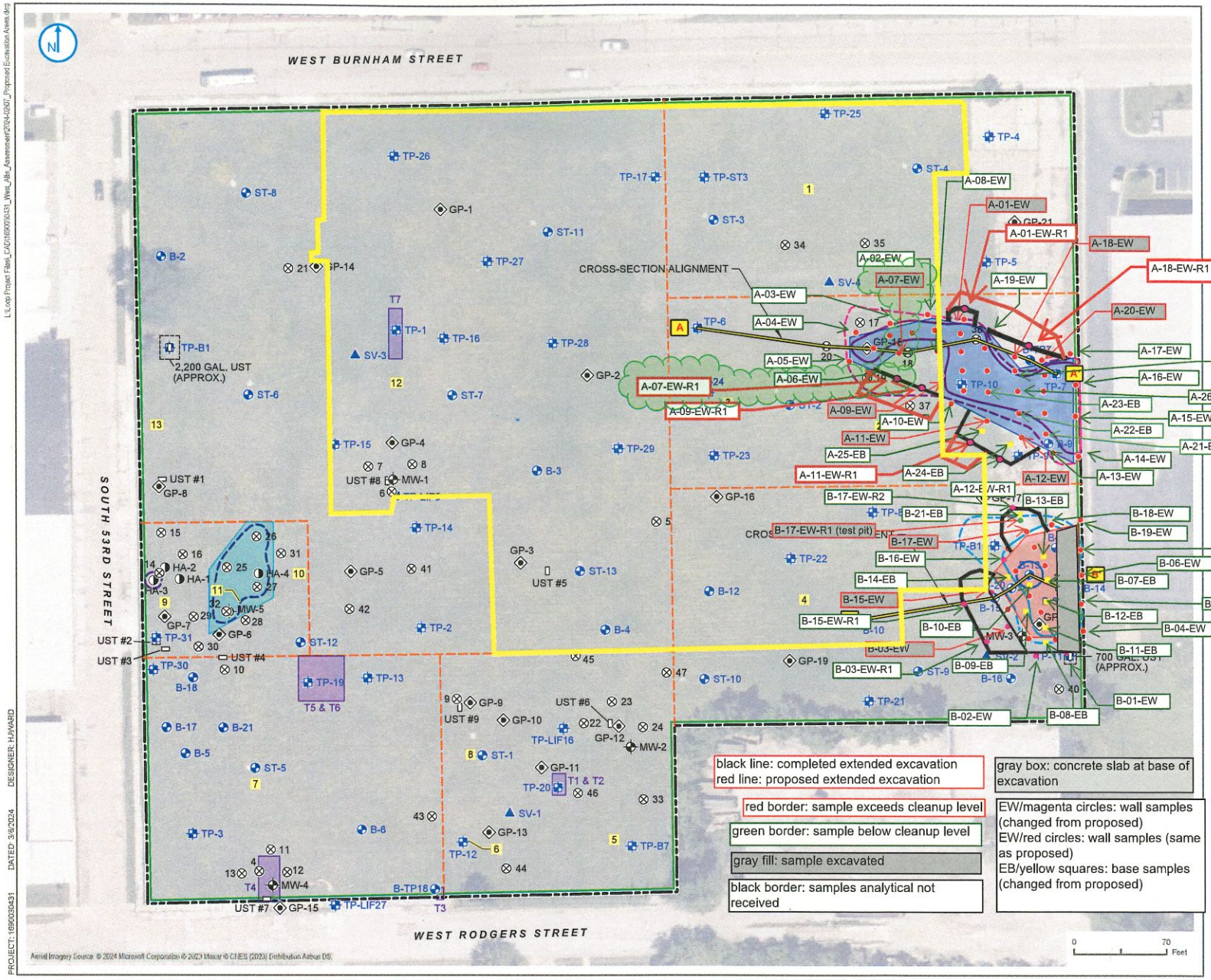



PROPERTY BOUNDARY
PARCEL BOUNDARY (APPROXIMATE)
BORING LOCATION (BRAUN)
TEST PIT LOCATION (BRAUN)
SOIL VAPOR INVESTIGATION (BRAUN)
UNDERGROUND STORAGE TANK
TSSA CONFIRMATION SAMPLES (2012 SYBIONT)
SOIL SAMPLE (2017 TETRA TECH)
SOIL BORING AND MONITORING WELL (2017 TETRA TECH)
SOIL PROBES/TEMPORARY WELLS (2010 AECOM)
HAND AUGER LOCATIONS (2010 AECOM)
LEAD - INDUSTRIAL RCL (800 mg/kg)
LEAD - NON-INDUSTRIAL RCL (400 mg/kg)
TCE - INDUSTRIAL RCL (8.41 mg/kg)
TCE - NON-INDUSTRIAL RCL (1.3 mg/kg)
TCE - GW RCL (0.0036 mg/kg)
PCB - GW RCL (0.0094 mg/kg)
PAHs AND METALS EXCEEDING NR 720 RCLs
AREA A - APPROXIMATE EXTENT OF LEAD HOTSPOT AREA EXCAVATION
AREA B - APPROXIMATE EXTENT OF TCE HOTSPOT AREA EXCAVATION
AREA C - APPROXIMATE EXTENT OF PCB AREA EXCAVATION
APPROXIMATE CONFIRMATION SAMPLE LOCATIONS

FORMER SITE FEATURES:
1 FINISHED MATERIAL WAREHOUSE
2 LOADING DOCK AREA
3 RAMP
4 STORAGE AND TRAINING AREA
5 ENGINE TEST ROOM
6 OIL AND PAINT STORAGE AREA
7 [illegible] AND STORAGE
8 [illegible] ELEVATOR
9 OIL STORAGE AREA
10 BOILER ROOM
11 ELECTRICAL SUBSTATION AREA
12 [illegible] MAIN MANUFACTURING AREA
13 [illegible] GARAGE

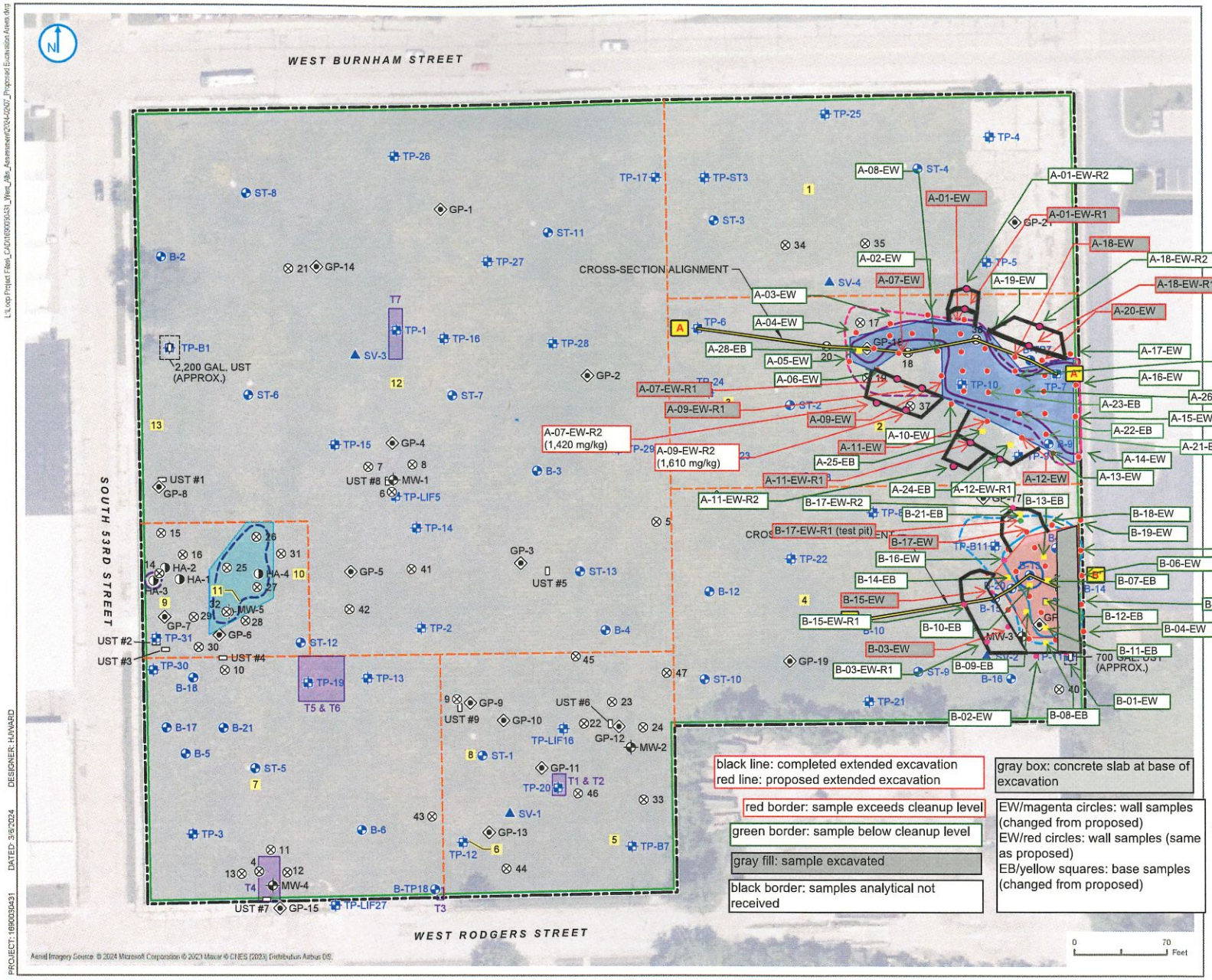
## PROPOSED EXCAVATION AREAS

FORMER TELDYNE INDUSTRIES
5200 WEST BURNHAM STREET
WEST ALLIS, WISCONSIN

## FIGURE 07

RAMBOLL AMERICAS ENGINEERING SOLUTIONS, INC.
A RAMBOLL COMPANY
RAMBOLL

PROJECT: 169003431 DATED: 3/6/2024 DESIGNER: HJAVARD
L:\Loop Project Files\CAD\169003431_West_Allis_Assessment\2024-02\07_Proposed Excavation Areas.dwg

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FORMER TELDYNE INDUSTRIES
5200 WEST BURNHAM STREET
WEST ALLIS, WISCONSIN

**FIGURE 07**

RAMBOLL AMERICAS ENGINEERING SOLUTIONS, INC.
A RAMBOLL COMPANY
RAMBOLL

PROJECT: 169003431 DATED: 3/6/2024 DESIGNER: HJWARD
L:\Loop Project Files_CAD\169003431_West_Allis_Assessment\2024-0307_Proposed Excavation Areas.dwg

DRAFT

**Table 1: Soil Analytical Results - Area A (Lead)**
Former Teledyne
52** West Burnham Street
West Allis, Wisconsin
Ramboll Project No. 1690030431-002

| Parameters | Soil RCLs | | | BTV | Soil Cleanup Goal | A-01-EW | A-01-EW DUP | A-01-EW-R1 | A-01-EW-R2 | A-02-EW | A-03-EW | A-04-EW | A-05-EW | A-06-EW | A-07-EW | A-07-EW-R1 | A-07-EW-R1 DUP | A-07-EW-R2 | A-08-EW | A-09-EW | A-09-EW-R1 | A-09-EW-R2 | A-10-EW | A-11-EW | A-11-EW-R1 | A-11-EW-R1 DUP | A-11-EW-R2 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Non-Industrial Direct Contact | Industrial Direct Contact | Groundwater Pathway | | | 7/19/2024 | 7/19/2024 | 7/31/2024 | 8/9/2024 | 7/19/2024 | 7/19/2024 | 7/19/2024 | 7/19/2024 | 7/19/2024 | 7/19/2024 | 7/31/2024 | 7/31/2024 | 8/9/2024 | 7/19/2024 | 7/19/2024 | 7/31/2024 | 8/9/2024 | 7/22/2024 | 7/22/2024 | 7/30/2024 | 7/30/2024 | 8/9/2024 |
| **Metals (mg/kg)** | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lead[3] | 400 | 800 | 27 | 51.6 | 800 | 859 C,D | 1,580 C,D | 2,380 C,D | 35.1 C | **653 C,D** | **264 C,D** | **637 P6 C,D** | **454 C,D** | **444 C,D** | 1,100 C,D | 3,970 C,D | 543 C,D | **1,420 C,D** | **737 C,D** | 9,000 C,D | 1,070 P6 C,D | **1,610 C,D** | **161 C,D** | 1,520 C,D | 2,270 C,D | 1,240 C,D | 40.0 C |

**Notes:**

RCL = Residual Contaminant Level
BTV = Background Threshold Value
mg/kg = milligrams per kilogram
[3] Parameter BTV is larger than one or more of the RCLs or is the only standard available.
**A** Parameter exceeds NR 720 Residual Contaminant Level (RCL) for Non-Industrial Direct Contact.
**B** Parameter exceeds NR 720 RCL for Industrial Direct Contact.
**C** Parameter exceeds NR 720 RCL for Groundwater Pathway.
**D** Parameter exceeds Surficial BTV for metals.
M0 Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.
P6 Matrix spike recovery was outside laboratory control limits due to a parent sample concentration notably higher than the spike level.
Soil RCLs and surficial BTVs established by the WDNR RR program using the EPA's RSL web-calculator with WAC NR 720 default parameters (WDNR PUB-RR-890, June 2014 - updated RCL spreadsheet, December 2018).
Samples with gray cell fill have been excavated for off-site disposal at GFL's Emerald Park Landfill located in Muskego, Wisconsin.

DRAFT

**Table 1: Soil Analytical Results - Area A (Lead)**
Former Teledyne
52** West Burnham Street
West Allis, Wisconsin
Ramboll Project No. 1690030431-002

| Parameters | Soil RCLs | | | BTV | A-12-EW | A-12-EW-R1 | A-13-EW | A-14-EW | A-15-EW | A-15-EW DUP | A-16-EW | A-17-EW | A-18-EW | A-18-EW-R1 | A-18-EW-R2 | A-19-EW | A-20-EW | A-21-EB | A-22-EB | A-23-EB | A-24-EB | A-25-EB | A-26-EB | A-27-EB | A-28-EB |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Non-Industrial Direct Contact | Industrial Direct Contact | Groundwater Pathway | | 7/22/2024 | 7/30/2024 | 7/22/2024 | 7/23/2024 | 7/23/2024 | 7/23/2024 | 7/23/2024 | 7/25/2024 | 7/23/2024 | 8/1/2024 | 8/9/2024 | 7/23/2024 | 7/25/2024 | 7/23/2024 | 7/23/2024 | 7/23/2024 | 7/30/2024 | 7/30/2024 | 7/31/2024 | 7/31/2024 | 8/5/2024 |
| **Metals (mg/kg)** | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lead[1] | 400 | 800 | 27 | 51.6 | 1,660 C,D | **728 C,D** | **174 C,D** | 15.9 | 7.9 | 10.1 | 6.2 | 18.1 | 1,880 C,D | 1,700 C,D | **115 C,D** | 48.2 C | 1,090 C,D | 24.0 M0 | 10.8 | 16.1 | 13.2 | 12.8 | 13.6 | 15.2 | 14.9 |

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