Amadi, Eric A - DNR

From: Julie A Zimdars <Julie.Zimdars@ramboll.com>
Sent: Wednesday, January 26, 2022 2:37 PM
To: Amadi, Eric A - DNR
Cc: Mike Kellogg
Subject: FW: BRRTS 02-41-553761 and 06-41-560068 Connell Wabash Site - RAOR Addendum/Pre-Design Work Plan (Rev 2)
Attachments: Sewer Removal Details_Figure1B_Connell Wabash RAOR Addendum R2_220121prnt.pdf; MMSD Sewer line 20121806627.pdf

Hi Eric-
In response to your email dated November 23, 2021, Ramboll has prepared the attached Figure (Figure 1B, *Connell Wabash RAOR Addendum R2*) to identify the sanitary and storm sewers that will remain in place or be removed during proposed excavation of PCB-impacted soil areas. Ramboll is providing these additional details at the RAOR stage as requested by the DNR. Typically this type of detail would be addressed in the subsequent NR724 Remedial Design Report. As a reminder, we are still awaiting approval of the pre-design sampling effort that DNR previously requested and we detailed in the Pre-Design Sampling Work Plan that was submitted on September 28, 2021 (included with RAOR Addendum Revision 2). We would like to point out that the details provided herein could change based on that upcoming sampling data.

The sewers identified for removal (shown in red) associated with proposed PCB soil excavations include:

1. One (1) storm sewer within the former loading dock area located east of the historic footprint of the building. The 12" storm sewer connects into the large storm sewer beneath the City corridor access road. The storm sewer is to be removed within the property boundaries then cut, sealed, and grouted at the property line or with City approval, potentially at the large sewer connection point.
2. One (1) sanitary service sewer east of the building footprint. The sanitary sewer previously serviced the building and connects to the 48 inch MIS (MMSD Metropolitan Interceptor Sewer) gravity sanitary sewer that transects the property. The building sanitary line will be removed during PCB soil excavation to the connection point with the 48 inch sanitary sewer. The sanitary service line will have a grout-plug installed at the connection manhole to the main sanitary sewer.

The 48 inch MIS sanitary sewer that gravity flows north to South Shore Treatment Plant, which is located east and south of the former building footprint, will be preserved and operational throughout PCB remedial activities (shown in green). The MMSD sewer map with relative elevations (manhole rim and pipe inverts) is attached. As shown on Detail 1/Figure 1B, shallow PCB-impacted soil is expected to be removed to 2-4 feet in depth in areas near and above the MMSD sewer line. Since it is expected that around 8 feet or more of separation will exist between both the bottom of the excavation and also the bottom of shallow sewer removal, we are not expecting the excavation to be within the five (5) foot critical zone where soft dig techniques would be specified, such as hydro-vac or air knife. Three (3) areas are identified on the figure where this separation distance will be confirmed both during the forthcoming remedial design stage and also in the field during excavation work. The specifications for the excavation work will include these soft dig requirements in a potential case where the excavation could infringe upon the 5 foot critical zone. As indicated above, proposed excavation areas could expand or otherwise change once the new sampling data is collected and the effect on the sewer lines would require re-assessment.

Additional storm and sanitary sewers and water utilities are located to the west and south of the building footprint that are not nearby/within proposed PCB excavation activities. These utilities previously serviced the building and will be properly abandoned (e.g. removal and/or grout-plug at connections) as part of the proposed site grading, capping and restoration activities. Many of these utilities have previously been plugged with grout near the building edge during the 2012-2013 building demolition activities. These remedial design details are pertinent to the Remedial Design Report, and not a detail that is necessary for approval of the Remedial Actions Options report.

Please contact me with any questions on this requested information.

Julie A. Zimdars, PE

Senior Managing Engineer

D 414-837-3564
M 262-719-4507
julie.zimdars@ramboll.com

Ramboll
234 W. Florida Street
Fifth Floor
Milwaukee, WI 53204
USA
https://ramboll.com

From: Amadi, Eric A - DNR <Eric.Amadi@wisconsin.gov>
Sent: Tuesday, November 23, 2021 6:25 PM
To: Julie A Zimdars <Julie.Zimdars@ramboll.com>
Subject: FW: BRRTS 02-41-553761 and 06-41-560068 Connell Wabash Site - RAOR Addendum/Pre-Design Work Plan (Rev 2)

Hi Julie:

I presented the subject site report to the VPLE Committee today (23Nov2021). The Committee requests a map/figure showing the sewers (referenced in the subject site report under the heading, “Excavation Near Sewer Structures”), that will remain in place and those that will be excavated. Also, show areas where materials will be removed within the indicated five (5) feet of the sewer structures known as critical zone and the reduced critical zone of 1.5 feet.

Please let me know if you have questions.

Thanks.

Eric

We are committed to service excellence.
Visit our survey at http://dnr.wi.gov/customersurvey to evaluate how I did.

Eric Amadi
Phone: (414) 405-0752
eric.amadi@wisconsin.gov

From: Julie A Zimdars <Julie.Zimdars@ramboll.com>
Sent: Tuesday, September 28, 2021 3:27 PM
To: Amadi, Eric A - DNR <Eric.Amadi@wisconsin.gov>

Cc: Mike Kellogg <mkellogg-5524@connell-lp.com>; Noel, Mike <Mike.Noel@tetratech.com>; Slenska, Mike (Pittsburgh) USA <mike.slenska@trmi.biz>; Bollinger, Mike W (Pittsburgh) USA <Mike.Bollinger@TRMI.Biz>; Larry Haskin (lhaskin@haskinkarls.com) <lhaskin@haskinkarls.com>
Subject: BRRTS 02-41-553761 and 06-41-560068 Connell Wabash Site - RAOR Addendum/Pre-Design Work Plan (Rev 2)

Hi Eric – On behalf of Connell Aluminum Properties, attached is the *Addendum (Revision 2) to the Remedial Action Options Report (RAOR) and Pre-Design Sampling Work Plan* for the Former Koppers Tar Plant and Wabash Alloys Site that incorporates WDNR comments received on July 9, 2021.

We will upload an electronic copy to the WDNR's portal.

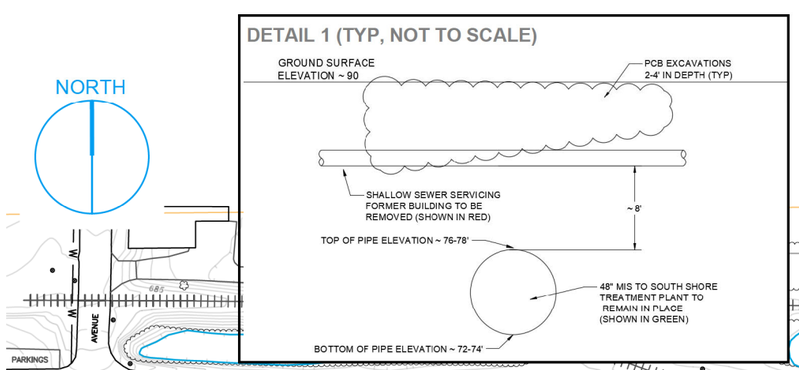
Please let me know if you have any questions.
Thanks, Julie

Julie A. Zimdars, PE

Senior Managing Engineer

D 414-837-3564
M 262-719-4507
julie.zimdars@ramboll.com

Ramboll
234 W. Florida Street
Fifth Floor
Milwaukee, WI 53204
USA
https://ramboll.com



SOURCE NOTES

1. BASED ON TETRA TECH FIGURES:
   - 1.1. 10 - COMBINED SOIL BARRIER (ALTERNATIVES S-1, PMT-2-1, AND S-3); DATED 11/10/14 AND
   - 1.2. 11 - COMBINED EXCAVATION AREAS (ALTERNATIVE PMT-3A, 1 AND S-4); DATED 9/3/15
2. WETLAND BOUNDARY DELINEATED BY HEY & ASSOCIATES AND FIELD LOCATED BY NATURAL RESOURCE TECHNOLOGY, INC. JUNE 2013.
3. METROPOLITAN INTECEPTOR SEWER ELEVATIONS PROVIDED BY MMSD UTILITY DAIGRAM DATED MAY 4, 2012

NORTH

WEST AREA

EAST AREA

FORMER DUPONT SITE

48" dia. Metropolitan Interceptor Sewer (MIS) to South Shore Treatment Plant

See Note 5

See Detail 1 (TYP)

See Detail 1 (TYP)

See Detail 1 (TYP)

See Note 4

A1 A2 A3 A4 A5 A6 A7 A9 A10

1 2 3 4 5 6

5th AVE.

DEPOT

ROAD

PARKINGS

FURNACE ROOM

CRUSHER ROOM

INGOT STORAGE/ WAREHOUSE

BOILER HOUSE

FACTORY

NAPHTHALENE BUILDING

WATER TREATMENT BUILDING

COOLING BASIN

BARRIER PLATFORM 3 TAR TANKS

BARREL STORAGE

GENERAL STORAGE

MW801 MW802 MW803 MW804 MW805 MW806 MW-101 MW-102 MW-103 MW-116 MW-117 P-120

LEGEND

- MONITORING WELL/PIEZOMETER
- FORMER TAR PLANT STRUCTURES
- PAST REMEDIAL ACTIVITIES
- ABANDONED STRUCTURE
- WABASH PARCEL PROPERTY BOUNDARY (CONNELL AND BEAZER VPLE)
- UTILITY CORRIDOR PROPERTY BOUNDARY
- WET — WETLAND BOUNDARY
- RAILROAD RAIL LINE
- SAN — SANITARY
- ST — STORM SEWER
- GAS — NATURAL GAS
- W — WATER MAIN
- E — ELECTRICAL
- FIBER — FIBER OPTIC
- MANHOLE
- INLET/CATCH BASIN

- PROPOSED EXCAVATION - PCBs
- PCB SOIL SAMPLING AREA
- PCB SOIL AND FOUNDATION / BOTTOM CONCRETE SAMPLING AREA
- A3 COMMENT # (WDNR COMMENT LETTER OCTOBER 25, 2017)
- UTILITY LINE TO BE REMOVED
- UTILITY LINE TO REMAIN IN-PLACE DURING EXCAVATION
- PROPOSED EXCAVATION AREA ABOVE 48" SANITARY SEWER

150' 0 150'

EXCAVATION AREAS (APPROXIMATE)

1. AREA = 900 sq. ft.
2. AREA = 3,390 sq. ft.
3. AREA = 31,825 sq. ft.
4. AREA = 7,120 sq. ft.
5. AREA = 6,000 sq. ft.
6. AREA = 250 sq. ft.

NOTES

1. EXCAVATION AREAS ARE APPROXIMATE AND MAY BE REVISED DURING REMEDIAL DESIGN AND FURTHER REVISED DURING EXCAVATION CONFIRMATION SAMPLING
2. PCB EXCAVATION CONFIRMATION SAMPLING IS PANNED TO CONFIRM TSCA SOIL REMOVAL AND TO CONFIRM REMAINING SOIL EXTENTS ARE LES THAN 10 MG/KG (TO BE CAPPED).
3. BELOW GRADE CONCRETE FOUNDATIONS WILL BE SAMPLING IN THE AREAS THAT IDENTIFY PCBs IN SOIL BENETH THE FOUNDATION, INCLUDED THOSE CIRCLED IN BLUE AND OTHER POTENTIAL LOCATIONS IDENTIFIED.
4. STORM SEWER NEAR EXCAVATION AND NO-LONGER IN USE TO BE REMOVED TO PROPERTY BOUNDARY. END OF PIPE IS TO BE CAPPED, SEALED, AND GROUTED FOLLOWING REMOVAL ON SITE.
5. SANITARY SEWER SERVICING FORMER BUILDING AND NO LONGER IN-USE TO BE REMOVED DURING EXCAVATION. GROUT-PLUG TO BE PLACED WHERE SEWER IS REMOVED AT EXISTING MANHOLE.

PLANNED SEWER REMOVAL AND PCB SOIL EXCAVATION PLAN ABOVE SEWER TO REMAIN

RAOR ADDENDUM
FORMER WABASH ALLOYS
9100 SOUTH 5TH AVENUE
OAK CREEK, WISCONSIN

FIGURE 1B
FIGURE 9 (REV. RAOR REPORT)

RAMBOLL US CORPORATION
A RAMBOLL COMPANY

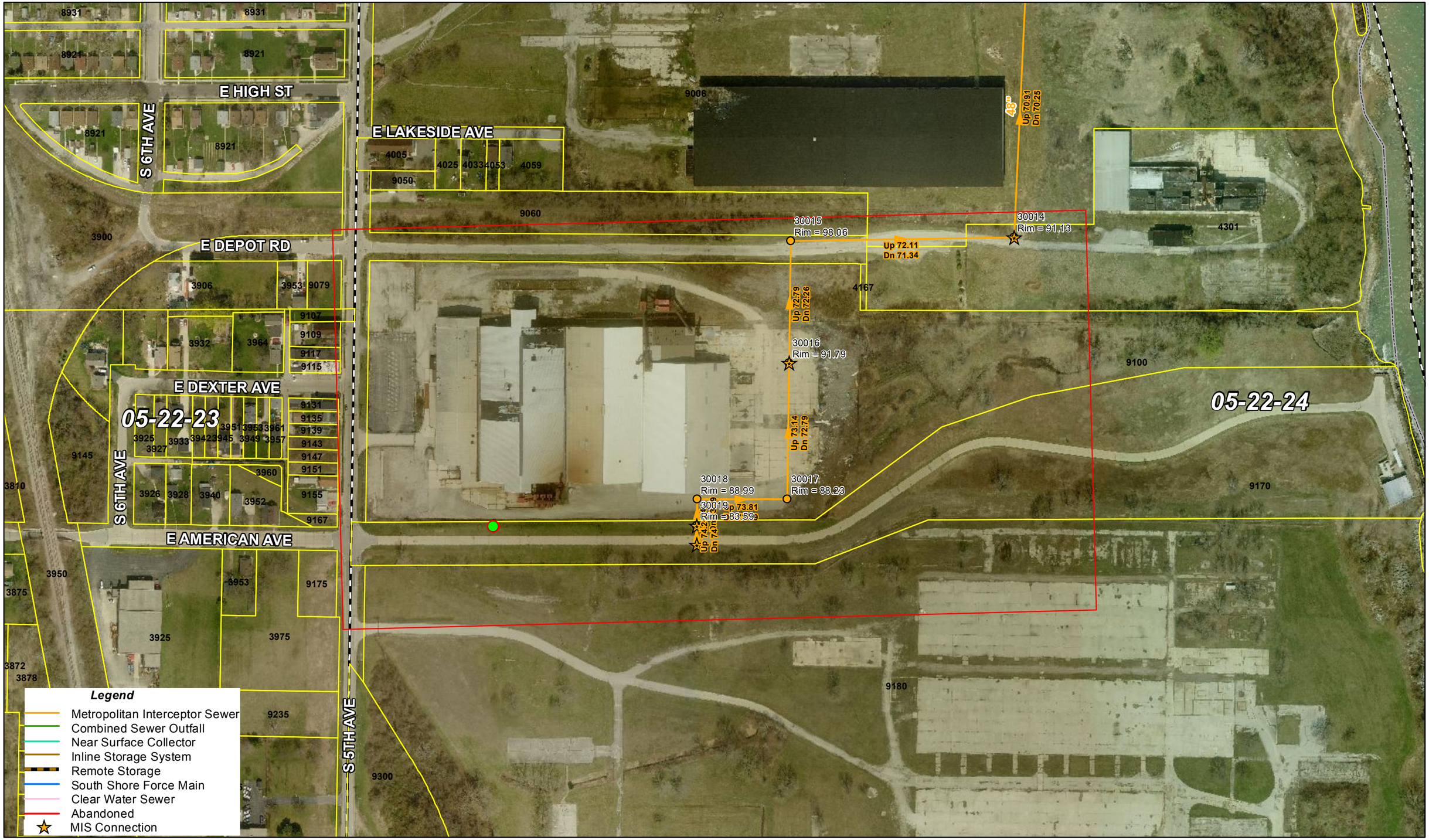
RAMBOLL

PROJECT: 68002 DATED: 2/11/2020 4:39 PM DESIGNER: ENGELHSA

\\server27-01\Y Drive\Mapping\Projects\2\02095\DWG\Connell RAOR Addendum.dwg

NUMBER: 20121806627 / STANDARD

STARTDATE: 5/4/2012 12:07:00 PM



DIGGERS HOTLINE LOCATE REQUEST

PROCESSED ON: 5/1/2012 2:17:09 PM