

From: Dombrowski, Frank J <frank.dombrowski@wecenergygroup.com>
Sent: Thursday, March 30, 2023 9:38 AM
To: Werner, Leah
Cc: Krueger, Sarah E - DNR; 'staci.goetz@ramboll.com'; Abigail Small (ASMALL@ramboll.com); Luke, Glenn R; Julie A Zimdars (Julie.Zimdars@ramboll.com); Dave MacDougall; Dan Vachon (Dan.Vachon@ramboll.com); 'adrienne.korpela@jacobs.com'
Subject: WPS Green Bay MGP - Modified Confirmation Sampling plan for Zone 4 Excavation Area
Attachments: Zone 4 Sampling Plan_Flat.pdf

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Hi Leah,

As we have begun excavating the Zone 4 area (east side of the site, green outlined area on the attached map), we are encountering a layer of wood/timbers at the bottom of the proposed excavation base elevation in the shallow cut areas. We are not sure if the wood is also present in the red shaded areas on the map but plan to remove it if it is. The proposed direct contact removal was to elevation 580 or 581 ft NAVD88 and the wood is present fairly consistently from approximately 578 to 580 ft NAVD. The wood doesn't appear significantly impacted or odorous (i.e., there is no evidence that it is source material/principal threat waste). However, the wood layer is considered geotechnically unsuitable soil for building footings (layer is around depth of 5 ft.) or good quality pavement construction. As a result, we have determined it is best to remove the woody material along with the associated overburden.

We are reaching out to explain our preferred path forward for post-excavation confirmation sampling following wood removal. Our current post-excavation sampling plan includes collection of bottom and sidewalls in source/CR zones and no sampling in the direct-contact/four-foot surface excavation areas. However, because of the removal of wood, the Zone 4 area surrounding cells P16 and C12 is being taken down to a consistent elevation of approximately 578 ft NAVD88. Because of the wood removal, there is no longer an elevation difference between the source removal areas (i.e., cells C12/P16) and the surrounding direct contact removal zone meaning that there will be no sidewalls remaining to sample. The attached figure also includes a rough cross-section showing the proposed and current grades around cell C12.

Where there are no sidewalls at the boundaries between source area/CR cells and direct contact areas, we intend to collect confirmation samples at the excavation bottom at the locations corresponding to the originally proposed sidewall samples (obviously any impacts that would have been identified in the sidewall samples from these locations will have been removed). Approximate locations around P16 and C12 are shown on the attached figure. Excavation in cells C10 and P15 has not yet begun but is expected to commence soon, as noted during last week's project status call. If there are sidewalls to sample, we would move forward with our original proposed plan and sample the sidewalls. If there are no sidewalls, we would intend to follow a similar approach and sample at the anticipated boundary between the two zones at the excavation bottom elevation. Please let us know if you have any questions or would like to discuss further.

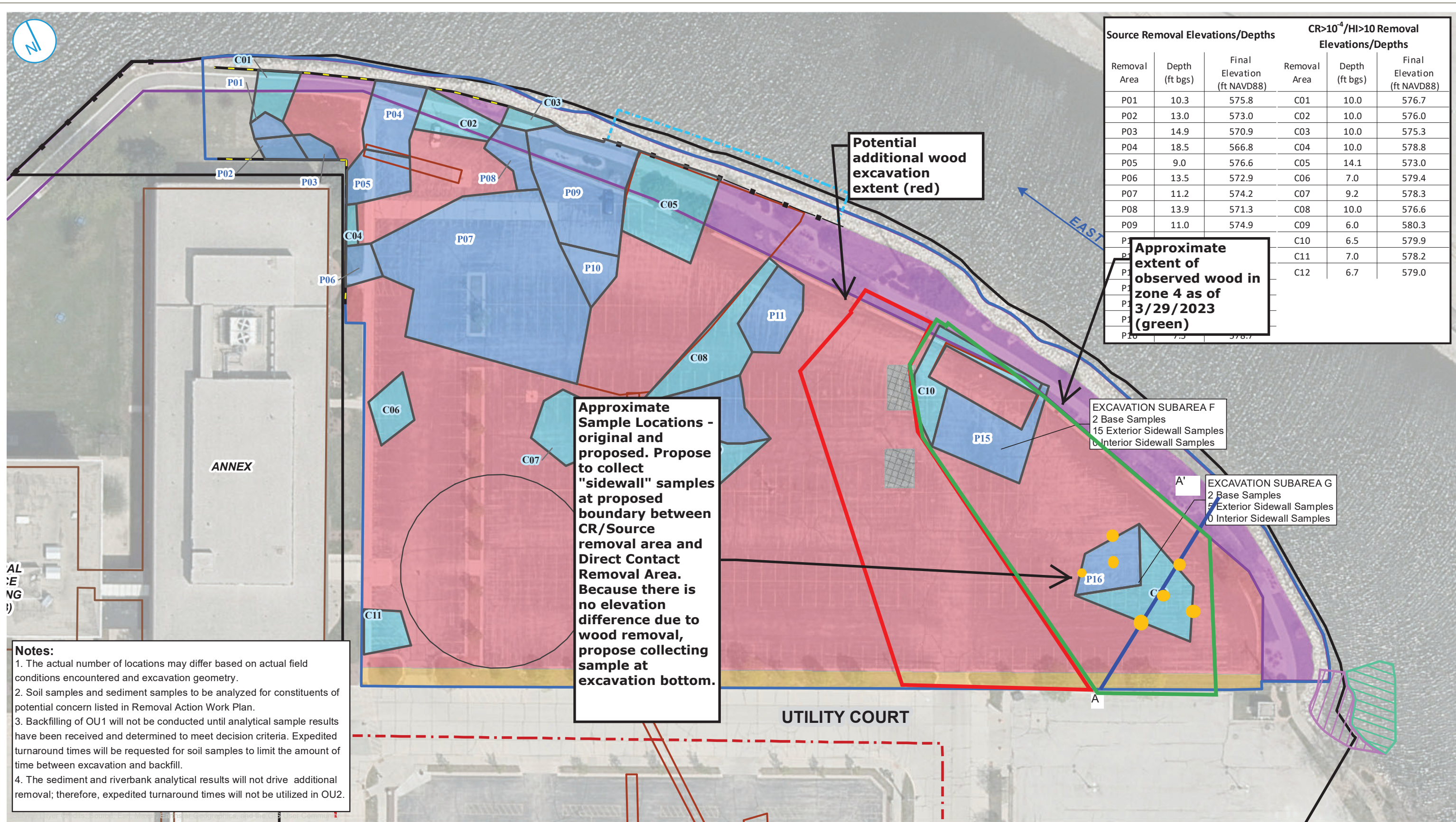
Thanks,

Frank Dombrowski
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Minnesota Energy Resources, Peoples Gas and North Shore Gas*

PROJECT: 169000XXXXX | DATED: 8/11/2022 | DESIGNER: STOLZSD



Source Removal Elevations/Depths			CR>10 ⁴ /HI>10 Removal Elevations/Depths		
Removal Area	Depth (ft bgs)	Final Elevation (ft NAVD88)	Removal Area	Depth (ft bgs)	Final Elevation (ft NAVD88)
P01	10.3	575.8	C01	10.0	576.7
P02	13.0	573.0	C02	10.0	576.0
P03	14.9	570.9	C03	10.0	575.3
P04	18.5	566.8	C04	10.0	578.8
P05	9.0	576.6	C05	14.1	573.0
P06	13.5	572.9	C06	7.0	579.4
P07	11.2	574.2	C07	9.2	578.3
P08	13.9	571.3	C08	10.0	576.6
P09	11.0	574.9	C09	6.0	580.3
P10	7.5	578.7	C10	6.5	579.9
P11	10.0	577.0	C11	7.0	578.2
P12	12.0	575.0	C12	6.7	579.0
P13	11.0	576.0			
P14	10.0	577.0			
P15	11.0	576.0			
P16	12.0	575.0			

Notes:

1. The actual number of locations may differ based on actual field conditions encountered and excavation geometry.
2. Soil samples and sediment samples to be analyzed for constituents of potential concern listed in Removal Action Work Plan.
3. Backfilling of OU1 will not be conducted until analytical sample results have been received and determined to meet decision criteria. Expedited turnaround times will be requested for soil samples to limit the amount of time between excavation and backfill.
4. The sediment and riverbank analytical results will not drive additional removal; therefore, expedited turnaround times will not be utilized in OU2.

- EXISTING SHEETPILE WALL
- PROPOSED SHEETPILE WALL
- SHORELINE EXCAVATION EXTENT (REMEDIAL ACTION COMPLETED IN 2018)
- FORMER STRUCTURE
- SOIL REMEDIATION EXCAVATION AREAS (2003)

- BUILDING FOOTPRINT
- UPLAND SITE BOUNDARY
- RIVERWALK EASEMENT AREA
- NORTH PARKING LOT
- FORMER MGP SITE
- ← RIVER FLOW DIRECTION

- DIRECT CONTACT REMOVAL - 2FT BGS
- DIRECT CONTACT REMOVAL - 4 FT BGS
- CR>10-4/ HI>1 REMOVAL
- SOURCE REMOVAL
- UTILITY COURT CORRIDOR*
- BOLLARD AREA (NO REMOVAL)
- RIP-RAP INVESTIGATION EXTENT
- SEDIMENT REMOVAL AREA



PROPOSED POST-EXCAVATION SAMPLING PLAN

REMOVAL ACTION WORK PLAN
FORMER GREEN BAY MANUFACTURED GAS PLANT
 WISCONSIN PUBLIC SERVICE CORPORATION
 GREEN BAY, WISCONSIN

FIGURE 6

RAMBOLL US CORPORATION
 A RAMBOLL COMPANY



