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Addendum 1
File # 17-05AA
Project: DWP Site Restoration - Earthwork

This addendum serves to notify all bidders of the following changes to the solicitation documents:

1. The bid opening has been moved to **Thursday, April 20, 2017** at 2:00 pm.
2. Under Construction Specifications, Section 01800, Definition of Bid Items, Part 1, Paragraph A: Bid Item #4 now reads: **Soil Ripping & Material spreading.** Includes ripping existing soil surface, spreading of stockpiled dredge material on areas shown on plan, spreading and intermixing wood chips with fill material, and establishing finished grade. This item includes coordination of seeding / mulching for soil stabilization with other contractor.
3. Sheet L-2 has been revised and is attached. Changes are identified by "1."
4. The following questions are answered below:
 - a. Q1 – Are there any specific requirements or training needed to be on US Corp of Engineer's property at Erie Pier?
A1 – Contractor is responsible for coordinating with, and meeting all conditions and requirements of the US Corp of Engineers.
 - b. Q2 – Who will be responsible for loading the material at Erie Pier?
A2 – Loading of the material is by the earthwork contractor.
 - c. Q3 – If the contractor is responsible for loading the material at Erie Pier, what bid item should this be included in?
A3 – Include in Bid Item #3 – Material Handling.
 - d. Q4 - The definition of bid items, Bid Item #4, describes the fill material to be intermixed with wood chips. I see no additional information in the plans. Is there any additional information regarding the wood chips?
Type, quantity, ratio of mixture?
A4 – See revised sheet L-2 for clarification on wood chips.
5. The following information describes the environmental status of the DWP Site

(Site), environmental construction considerations and requirements associated with the restoration project (Project).

a. **Site Background** - The Site is a contaminated brownfield that is part of the Minnesota Pollution Control Agency (MPCA) Voluntary Investigation and Cleanup program (site #VP4142). Soil with elevated concentrations of lead, copper, arsenic, and PAH's have been encountered near the proposed Project work areas that are associated with historical railroad and foundry activities. The proposed work areas are approximately in locations where clean analytical samples were previously collected. However, it is possible that shallow soil contamination could be encountered within the planned work areas. These contaminants cannot be identified through field observation - consequently a Site-specific Voluntary Response Action Plan (VRAP) (Barr, 2014) was drafted in 2014 to discuss the site contamination and associated environmental construction contingencies (Section 6) to be employed during site development or construction work. The VRAP document will be provided to contractors upon request. Below are Project-specific environmental considerations and requirements that the contractor should be aware of in planning and performing its work.

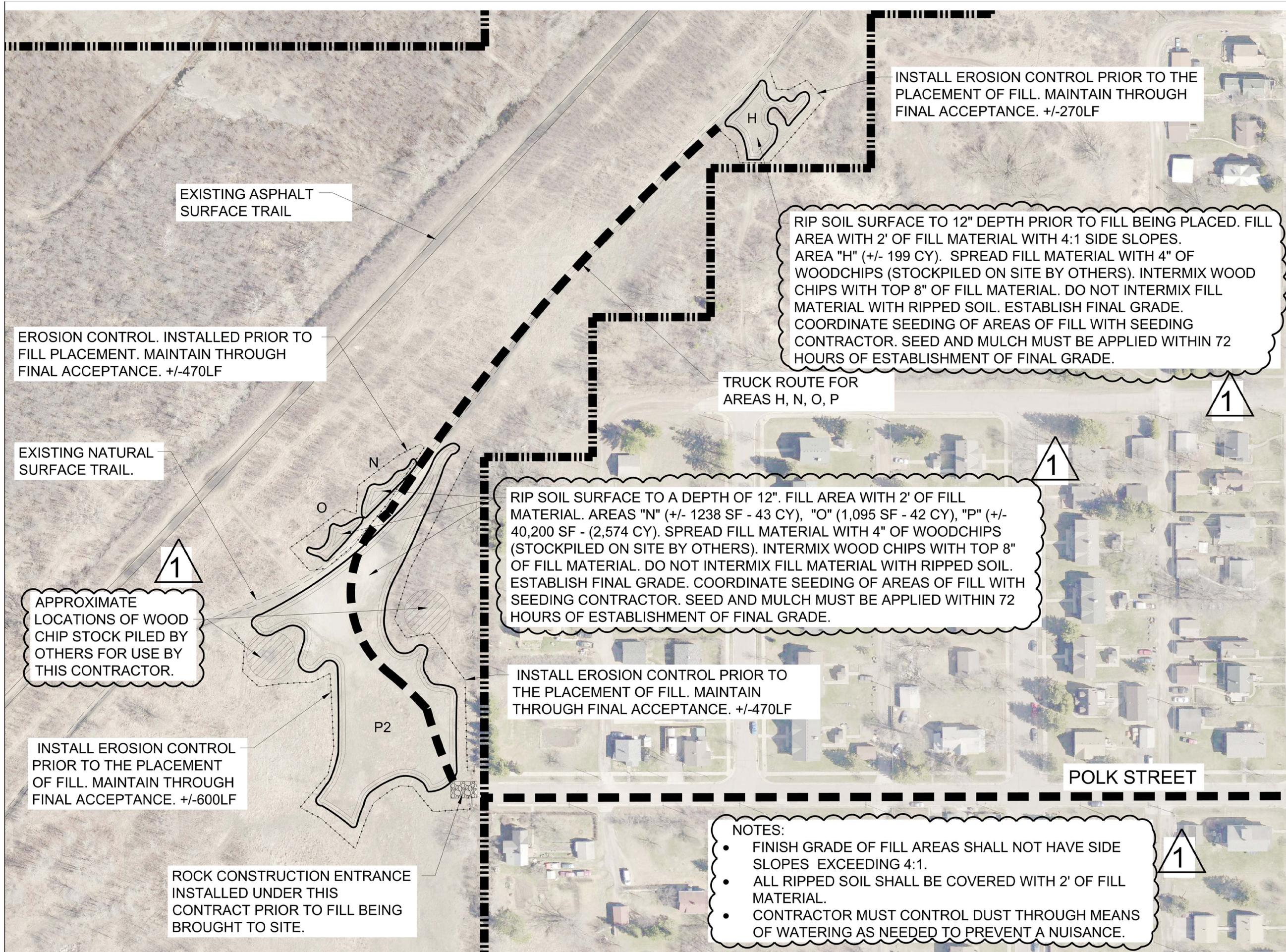
b. **Environmental Considerations and Requirements –**

- i. The contractor should review the VRAP (Barr, 2014) and the Project-specific VRAP Addendum (Barr, 2017). The contractor is responsible for following appropriate health and safety practices. A copy of the VRAP and its Addendum can be provided upon request.
- ii. Environmental contingencies identified in the VRAP and VRAP Addendum should be followed, as needed. If uncertainties arise, the Owner or the Owner's designated environmental consultant should be contacted.
- iii. Only fill material that has been tested and approved by the MPCA may be transported to the Site. Barr will delineate the location of the approved fill material.
- iv. All workers at the Site must be notified that it is a brownfield site where elevated concentrations of lead, copper, arsenic, and PAH's have previously been identified in locations near by the proposed work area.
- v. Workers must practice good industrial hygiene when disturbing the ground surface to prevent potential exposure to unidentified soil contamination.
- vi. Soil that has been ripped in preparation for cover soil placement or planting, must be kept in its approximate original location and cannot be transported to another location at the Site or off the site.
- vii. The imported fill material must be placed over the ground surface soon after it has been disturbed/ripped. The fill material should be

- placed and graded directly over the disturbed soil.
- viii. Import soil should generally be placed to minimize mixing with the underlying site soil.
 - ix. If industrial debris, underground storage tanks, or other evidence of contaminated soil (e.g. odor, discoloration, sheen) are encountered, the contractor should stop work in that location and notify the Owner or the Owner's designated environmental consultant, who will coordinate an appropriate environmental response based on the field observations.
 - x. The Owner and the Owner's designated environmental consultant will be informed if either the Project scope, method of site preparation, or the extent of the work area (footprint) are modified. This is important to ensure that environmental Site compliance is maintained.

Please acknowledge receipt of this Addendum by initialing and dating Addendum #1 below the bid form on the invitation for bids.

Posted: April 11, 2017



EXISTING ASPHALT SURFACE TRAIL

EROSION CONTROL. INSTALLED PRIOR TO FILL PLACEMENT. MAINTAIN THROUGH FINAL ACCEPTANCE. +/-470LF

EXISTING NATURAL SURFACE TRAIL.

APPROXIMATE LOCATIONS OF WOOD CHIP STOCK PILED BY OTHERS FOR USE BY THIS CONTRACTOR.

INSTALL EROSION CONTROL PRIOR TO THE PLACEMENT OF FILL. MAINTAIN THROUGH FINAL ACCEPTANCE. +/-600LF

ROCK CONSTRUCTION ENTRANCE INSTALLED UNDER THIS CONTRACT PRIOR TO FILL BEING BROUGHT TO SITE.

INSTALL EROSION CONTROL PRIOR TO THE PLACEMENT OF FILL. MAINTAIN THROUGH FINAL ACCEPTANCE. +/-270LF

RIP SOIL SURFACE TO 12" DEPTH PRIOR TO FILL BEING PLACED. FILL AREA WITH 2' OF FILL MATERIAL WITH 4:1 SIDE SLOPES. AREA "H" (+/- 199 CY). SPREAD FILL MATERIAL WITH 4" OF WOODCHIPS (STOCKPILED ON SITE BY OTHERS). INTERMIX WOOD CHIPS WITH TOP 8" OF FILL MATERIAL. DO NOT INTERMIX FILL MATERIAL WITH RIPPED SOIL. ESTABLISH FINAL GRADE. COORDINATE SEEDING OF AREAS OF FILL WITH SEEDING CONTRACTOR. SEED AND MULCH MUST BE APPLIED WITHIN 72 HOURS OF ESTABLISHMENT OF FINAL GRADE.

TRUCK ROUTE FOR AREAS H, N, O, P

RIP SOIL SURFACE TO A DEPTH OF 12". FILL AREA WITH 2' OF FILL MATERIAL. AREAS "N" (+/- 1238 SF - 43 CY), "O" (1,095 SF - 42 CY), "P" (+/- 40,200 SF - (2,574 CY). SPREAD FILL MATERIAL WITH 4" OF WOODCHIPS (STOCKPILED ON SITE BY OTHERS). INTERMIX WOOD CHIPS WITH TOP 8" OF FILL MATERIAL. DO NOT INTERMIX FILL MATERIAL WITH RIPPED SOIL. ESTABLISH FINAL GRADE. COORDINATE SEEDING OF AREAS OF FILL WITH SEEDING CONTRACTOR. SEED AND MULCH MUST BE APPLIED WITHIN 72 HOURS OF ESTABLISHMENT OF FINAL GRADE.

INSTALL EROSION CONTROL PRIOR TO THE PLACEMENT OF FILL. MAINTAIN THROUGH FINAL ACCEPTANCE. +/-470LF

NOTES:

- FINISH GRADE OF FILL AREAS SHALL NOT HAVE SIDE SLOPES EXCEEDING 4:1.
- ALL RIPPED SOIL SHALL BE COVERED WITH 2' OF FILL MATERIAL.
- CONTRACTOR MUST CONTROL DUST THROUGH MEANS OF WATERING AS NEEDED TO PREVENT A NUISANCE.



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ISSUE RECORD/REVISION	
PURPOSE	DATE
ADDENDUM #1	4-11-17

**DWP SITE RESTORATION
PHASE II - EARTHWORK**
CITY OF DULUTH,
MINNESOTA

SHEET KEY	
SHEET TITLE	
PLAN - SOUTH SIDE	
DATE:	3/20/17
DRAWN BY:	MSD
CHECKED BY:	LWS
PROJECT NUMBER	15240
SHEET NUMBER	L-2