

**CITY OF MILWAUKEE**  
**DEPARTMENT OF PUBLIC WORKS**  
**MILWAUKEE WATER WORKS**

**ADDENDUM NO. 1**

The purpose of this addendum is to provide updated information to supersede and change the following for the City of Milwaukee Official Notice 135-2015 bid documents for Water Main Relays and Alterations.

**ITEM 1. Backfill Requirements**

- Excavated material may be used as backfill from the east line of N. Jackson St. to a point 85 feet east of the east line of N. Jackson St.
- Slurry backfill is required as noted on the construction plans.
- At all other locations, backfill material shall be per City of Milwaukee “Water Main Installation Specifications”, dated January 2, 1987 and the “City of Milwaukee Standard Plan Notes For Water Main Construction”.

**ITEM 2. Excavation, Disposal and Bioremediation of Petroleum Contaminated Excavated Material**

- The Wisconsin Department of Transportation and others completed testing for soil and groundwater contamination for locations within this project where excavation is required. Testing indicated that petroleum-contaminated soil is present east of Sta. 30+80. Excavation and disposal requirements within this area shall be as follows:
- Per NR 718.07, a solid waste collection and transportation service-operating license is required under NR 502.06 for each vehicle used to transport contaminated soil.
- Control operations in the contaminated areas to minimize the quantity of contaminated soil excavated. Directly load and haul soils for offsite disposal to a DNR approved bioremediation facility. Use loading and hauling practices that are appropriate to prevent any spills or releases of petroleum-contaminated soils or residues. Prior to transport, sufficiently dewater soils designated for off-site disposal so as not to contain free liquids. If dewatering is required in areas of known contamination, water generated from dewatering activities will likely contain petroleum, metals, and cyanide. Such water may, with approval of the Milwaukee Metropolitan Sewerage District (MMSD), be discharged to the sanitary sewer as follows:
  - Meet all applicable requirements of the MMSD including the control of suspended solids. Perform all necessary monitoring to document compliance with MMSD’s requirements. Furnish, install, operate, maintain, disassemble, and remove treatment equipment necessary to comply with MMSD’s requirements.
  - Ensure continuous dewatering and excavation safety at all times. Provide, operate, and maintain adequate pumping equipment and drainage and disposal facilities.

Obtain any permits necessary to discharge water. Meet any requirements and pay any costs for obtaining and complying with such permit use. Follow all applicable legislative statutes, judiciary decisions, and regulations of the State of Wisconsin.

- The closest DNR licensed landfill facilities that can bioremediate this soil once excavated are:

Advanced Disposal Emerald Park Landfill  
W124 S10629 124<sup>th</sup> St.  
Muskego, Wisconsin 53150  
(414) 529-1360

Waste Management Orchard Ridge Landfill  
N96 W13503 County Line Road  
Menomonee Falls, WI 53051  
(262) 253-8620

- All costs for excavating, segregating, loading, hauling, disposal and bioremediation of contaminated soil, obtaining solid waste collection and transportation service operating licenses, and dewatering of soils prior to transport, if necessary shall be included in the unit bid price for furnish and install ductile iron water main, hydrant branch, branch pipe.
- Soil contamination map and profile information are attached. Electronic copies are available upon request. Contact Mr. Thomas Gates, [Thomas.Gates@milwaukee.gov](mailto:Thomas.Gates@milwaukee.gov) or Mr. Patrick Pauly, [Patrick.Pauly@milwaukee.gov](mailto:Patrick.Pauly@milwaukee.gov).

### **ITEM 3. Excavation and Disposal of Solid Waste**

- The Wisconsin Department of Transportation and others completed testing for soil and groundwater contamination for locations within this project where excavation is required. Testing indicated that solid waste containing NR 500 non-exempt industrial wastes including soil mixed with foundry sand and slag is present in all excavation areas of Plan File Nos. 2015140, 2015141 and 2015142, with the exception of the petroleum contaminated area east of Sta. 30+80, as noted above in Item 2. Excavation and disposal requirements within this area shall be as follows:
- Control operations in the impacted area to minimize the quantity of soil excavated. Directly load and haul solid waste for offsite disposal to the WDNR approved landfill facility. Use loading and hauling practices that are appropriate to prevent any spills or releases of the material. Prior to transport, sufficiently dewater soils designated for off-site disposal so as not to contain free liquids.  
Verify that the vehicles used to transport material are licensed for such activity according to applicable state and federal regulations. Obtain the necessary disposal facility approvals and WDNR approvals for disposal.  
During excavations in the areas of known contamination, larger chunks of clean concrete (~2 cubic feet), asphalt and bricks will be segregated from the fill, to the extent practical and managed as common excavation. Under NR 500.08 this material is exempt from licensing and requirements of Wisconsin Administrative Code NR 500-538 of the solid waste regulations, and can be disposed of off-site at the contractor's disposal site(s). If dewatering is required in areas of known contamination, water generated from dewatering activities will likely contain VOCs, metals, and possibly cyanide (near

Summerfest Grounds). Such water may, with approval of the Milwaukee Metropolitan Sewerage District (MMSD), be discharged to the sanitary sewer as follows:

- Meet all applicable requirements of the MMSD including the control of suspended solids. Perform all necessary monitoring to document compliance with MMSD's requirements. Furnish, install, operate, maintain, disassemble, and remove treatment equipment necessary to comply with MMSD's requirements.
- Ensure continuous dewatering and excavation safety at all times. Provide, operate, and maintain adequate pumping equipment and drainage and disposal facilities.

Obtain any permits necessary to discharge water. Meet any requirements and pay any costs for obtaining and complying with such permit use. Follow all applicable legislative statutes, judiciary decisions, and regulations of the State of Wisconsin.

- The closest DNR licensed landfill facilities are:

Advanced Disposal Emerald Park Landfill  
W124 S10629 124<sup>th</sup> St.  
Muskego, Wisconsin 53150  
(414) 529-1360

Waste Management Orchard Ridge Landfill  
N96 W13503 County Line Road  
Menomonee Falls, WI 53051  
(262) 253-8620

- All costs for excavating, segregating, loading, hauling, and landfill disposal of solid waste, obtaining solid waste collection and transportation service operating licenses, and dewatering of soils prior to transport, if necessary shall be included in the unit bid price for furnish and install ductile iron water main, hydrant branch, branch pipe.

#### **ITEM 4. Traffic Provisions- Plan File No. 2015139**

- The following has been added to the Traffic Provisions note:
- Closure of a single lane on the WB I-794 Milwaukee Exit ramp will be permitted for a period not to exceed 14 days for work on the crossing on the south leg of the Milwaukee Street\Clybourn Street intersection. The DOT should be notified 3 days in advance for this closure.  
Closure of a single lane on the WB I-794 Jackson Street Entrance ramp will be permitted for a period not to exceed 14 days for work on the crossing on the east and north leg of the Jackson Street\Clybourn Street intersection. The DOT should be notified 7 days in advance of this closure.  
Both ramps are to remain open at all times.
- E. Clybourn Ave. shall be modified to read E. Clybourn St.

**Each bidder shall acknowledge receipt of this addendum in the bid documents.**

END OF ADDENDUM NO. 1



## Soil Boring Designations and Profiles

### GP-600

2'-4' Fill: Foundry Sand

GRO 1.4 mg/kg

DRO 88.0 mg/kg

Naphthalene 110 µg/kg

Toluene 32 µg/kg

Xylenes 40 µg/kg

### GP-916-P1

2'-4' Fill: Sand & Gravel

Lead 94 mg/kg

10'-12' Fill: Sand & Foundry Sand

DRO 3.7 mg/kg

Selenium 1.2 mg/kg

### GP-108B

2'-4' Fill: Sand & Foundry Waste

GRO 1.8 mg/kg

DRO 61.0 mg/kg

Tetrachloroethene 110 µg/kg

Toluene 15 µg/kg

Xylenes 30 µg/kg

Lead 220.0 mg/kg

Mercury 0.41 mg/kg

Selenium 0.56 mg/kg

6'-8' Fill: Sand & Gravel

DRO 57.0 mg/kg

Tetrachloroethene 100 µg/kg

Lead 53 mg/kg

### GP-108D

2'-4' Fill: Possible Foundry Sand

GRO 2.1 mg/kg

DRO 59.0 mg/kg

Tetrachloroethene 460 µg/kg

6'-8' Fill: Foundry Sand & Slag

DRO 4.0 mg/kg

Tetrachloroethene 410 µg/kg

GP-107

2'-4' Fill: Sand & Foundry Waste

8'-10' Fill: Sand

DRO 4.8 mg/kg

GP-104

2'-4' Fill: Foundry Sand

GRO 7.0 mg/kg

DRO 130.0 mg/kg

Ethylbenzene 51 µg/kg

Isopropylbenzene 37 µg/kg

Toluene 100 µg/kg

TMBs 73 µg/kg

Xylenes 270 µg/kg

Lead 74 mg/kg

Mercury 0.33 mg/kg

10'-12' Fill: Slag

GRO 16 mg/kg

DRO 77.0 mg/kg

Xylenes 21 µg/kg

Lead 70 mg/kg

Selenium 0.88 mg/kg

GP-400

6'-8' Fill: Sand

DRO 200.0 mg/kg

Xylenes 9.9 µg/kg

14'-16' Fill: Sand & Bricks

DRO 130.0 mg/kg

Lead 280.0 mg/kg

GP-100

2'-4' Fill: Silt with Foundry Sand

DRO 37.0 mg/kg

Lead 640 mg/kg

8'-10' Fill: Sand & Bricks

DRO 31.0 mg/kg

Naphthalene 83 µg/kg

GP-300E

2'-4' Fill: Silty Sand

Naphthalene 54 µg/kg

6'-8' Fill: Silty Sand

DRO 2000 mg/kg

Naphthalene 670 µg/kg

Lead 480.0 mg/kg

Mercury 1.5 mg/kg