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August 12, 2021

Leonard R. Lepore, PE, Municipal Engineer
Township of West Orange
Director, Department of Public Works, Engineering Division
25 Lakeside Avenue
West Orange, NJ 07052

**Re: Professional Environmental and Licensed Site Remediation Services
Budget Amendment for West Orange Fire House #4
280 Pleasant Valley Way
Township of West Orange, Essex County, New Jersey
NJDEP Case # 93-6-29-1721-47 – PI # 014430
West Orange Purchase Order # 169652
CME Project No. IWO-00380.03**

Dear Mr. Lepore:

CME Associates (CME) is currently contracted with the Township for Professional Environmental and Licensed Site Remediation Services consulting work at the West Orange Fire House #4 located at 280 Pleasant Valley Way (Site). In accordance with the NJDEP Regulations and recent guidance " **New Jersey Department of Environmental Protection: summary of existing guidance regarding Ground Water Remedial Action Permit Applications - vertical delineation of ground water contamination and monitored natural attenuation proposals**", additional groundwater vertical delineation is required to complete the groundwater remedial investigation at the Site. The groundwater vertical delineation was not included in the original proposal.

The additional services detailed in the following scope of work are required to comply with the NJDEP Technical Requirements for Site Remediation at the Site and necessary to continue to advance the project towards closure.

Temporary well point (TWP-1) will be installed within the source area to a depth up to 40 feet below ground surface to determine the extent of the vertical groundwater impacts above the NJDEP Ground Water Quality Standards (GWQS) detected in the vicinity of source area monitoring wells MW-4R and MW-11R.

The driller will utilize a truck-mounted drill rig to auger the point in with 6.25-inch ID augers. If augers are refused and can't finish the drilling to the desired completion depth, then air rotary drilling will be employed to achieve the desired depth. A two-inch diameter prepack well screen and casing will be used for the construction of the temporary well. After developing the well, a groundwater sample will be collected from the temporary well point and analyzed for petroleum related compounds (TCL VO+15, TBA) and TCL SVOCs.

The prepack well screen will be removed once the sample has been collected. Soil cuttings produced during drilling and development water will be collected in drums; cost includes disposal of 4 drums.

Our estimated cost to complete the additional required services is \$9,200. Therefore, we are requesting a Budget Amendment to increase our fee from \$57,100 to \$66,300 to accommodate these additional services.



August 12, 2021

Mr. Leonard R. Lepore, PE, Municipal Engineer
Re: Budget Amendment for West Orange Fire House #4

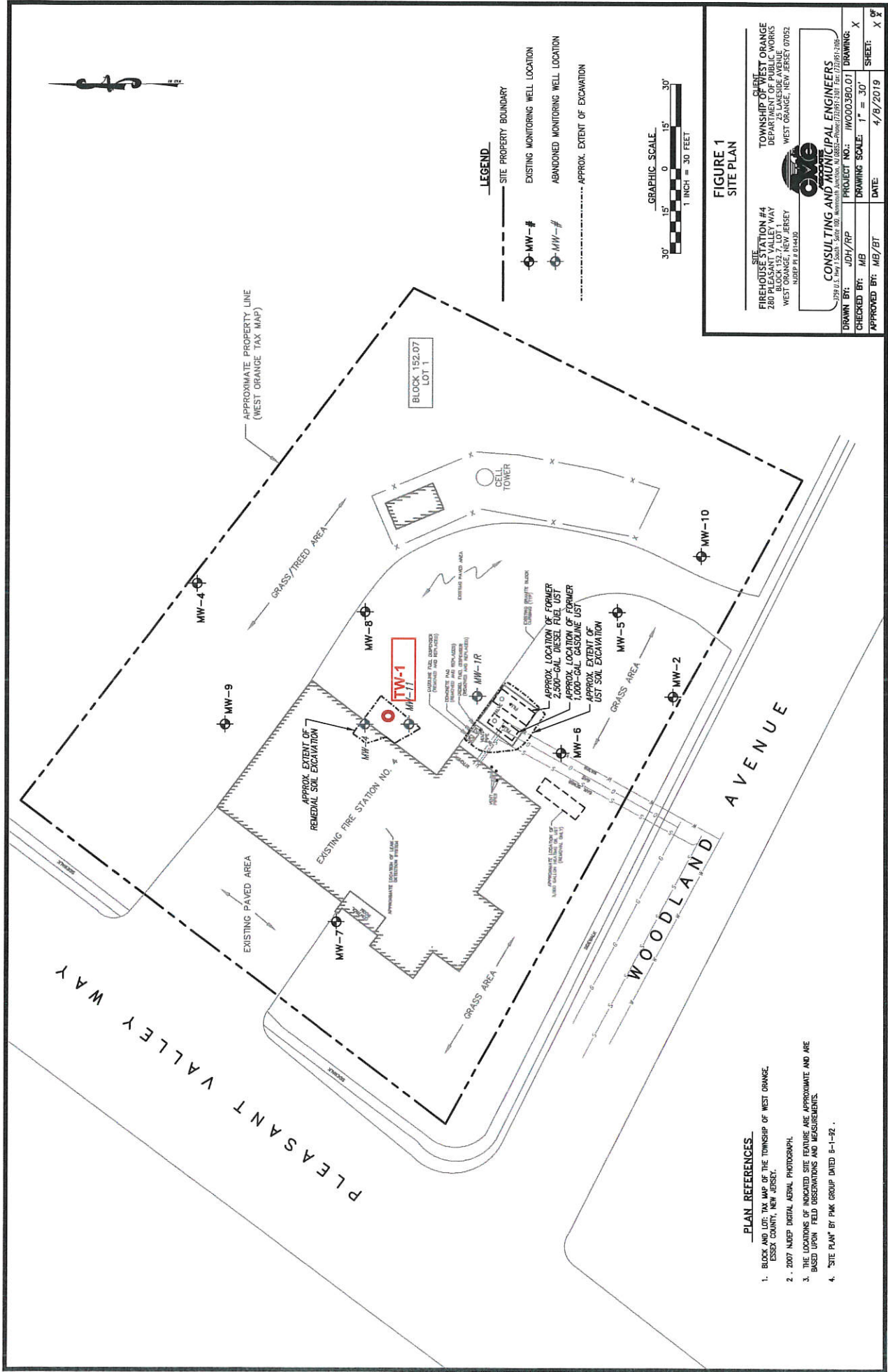
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We appreciate your consideration of the above and would be happy to answer any questions regarding this request.

Respectfully submitted,

CME Associates

Behram Turan, P.E., LSRP- Principal
Director of Environmental Services



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PROJECT NO.: W000380.01 DRAWING: X	CHECKED BY: MB DATE: 4/9/2019
PROJECT NO.: W000380.01 DRAWING: X	CHECKED BY: MB DATE: 4/9/2019
PROJECT NO.: W000380.01 DRAWING: X	CHECKED BY: MB DATE: 4/9/2019

SITE: FIREHOUSE VALLEY, WEST ORANGE, ESSEX COUNTY, NEW JERSEY
PROJECT NO.: W000380.01
DRAWING: X
CHECKED BY: MB
DATE: 4/9/2019