

MATRIXNEWORLD

Enabling Progress

August 26, 2015

Leonard R. Lepore, P.E.
Municipal Engineer/Director of Public Works
Township of West Orange
25 Lakeside Avenue
West Orange, NJ 07052

**RE: CHANGE ORDER #1 FOR SURVEYING & CIVIL ENGINEERING SERVICES
TOWNSHIP OF WEST ORANGE
IMPROVEMENTS OF MOUNT VERNON AVE AND ROOSEVELT AVE
MATRIX NO. LD14-108**

Dear Mr. Lepore:

Matrix New World Engineering, Inc. (Matrix) is providing this change order notice to outline the additional out-of-scope surveying and civil engineering services provided for the above referenced project.

Pursuant to your request, Matrix has prepared the design for two stormwater diversion swales along the Garfield Avenue 50-ft wide Right of Way, north and south of Mt Vernon Ave, and a Hammerhead Vehicle Turnaround at the west end of Mt Vernon Ave. Additional topographic surveying was required for each of these new design elements and was prepared by Matrix.

Matrix surveyed and prepared an existing condition and topography map including the gas line mark-out by PES&G. Matrix has prepared construction set of plans based on the survey. Matrix observed the gas line mark-out conflicts with the existing curb line alignment, tree roots and inlet located between Block 172.03 Lot 20 and Lot 8. As observed during a site visit to verify the gas line mark-out we noticed an old gas line mark out on the Block 172.11, Lot 4 driveway offset about 10ft north of the recent PSE&G gas line mark-up. Considering the gas line alignment conflicts and inconsistent old gas line mark-out, Matrix advises Township to confirm the gas line mark-out with PSE&G.

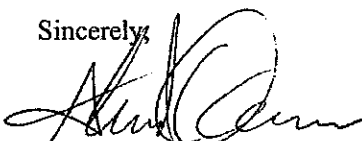
ADDITIONAL SURVEY AND CIVIL ENGINEERING SERVICES FEE

The following are additional civil engineering services estimated costs for the tasks described herein.

Additional Topographic Survey.....	\$2,500.00
Hammerhead Road Design	\$2,000.00
Diversion Swale Design.....	\$1,500.00
Total Cost for Scope of Work	\$6,000.00

If you have any questions, please feel free to contact us at (973) 240-1800.

Sincerely,


Ahmed Osman, P.E., LEED AP
Senior Project Manager


Clare Sullivan, CHMM, CSP
Vice President