



BOSWELL ENGINEERING

ENGINEERS ■ SURVEYORS ■ PLANNERS ■ SCIENTISTS

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VIA EMAIL AND REGULAR MAIL

October 12, 2018

Christos D. Kavvadas, P.E., CFM
Principal Engineer - Hydraulics
County of Bergen - Department of Planning and Engineering
One Bergen County Plaza – 4th Floor
Hackensack, NJ 07601-7076

Re: Request for Surveying Services
85 Challenger Road
Village of Ridgefield Park
Bergen County, New Jersey
Our File No. PR-18-8755

Dear Mr. Kavvadas:

Pursuant to your request on September 19, 2018, Boswell is pleased to submit this proposal for design services for the 85 Challenger Road drainage project. Previously, as requested on June 15, 2018, a Boswell Engineering (Boswell) field crew performed a Topographic Survey of approximately 500 linear feet of Challenger Road and 30 feet in each direction from the centerline thereof, within the limits outlined, obtaining elevations and locations on such items including, but not limited to, curbs, sidewalks, headwalls, visible utilities, utility mark-outs (to be requested by Boswell), driveways, poles, tops and bottoms of banks and trees (6 inches in diameter or greater).

In accordance with conversations as well as email exchanges with Christos Kavvadas, the County desires to install drainage inlets and related piping along Challenger Road in front of the Samsung building located at 85 Challenger Road to reduce/eliminate the continual ponding of water along the easterly curb line of Challenger Road at this location.

As stated above, Boswell has previously completed a field survey of all drainage and sanitary facilities within and immediately adjacent to the properties, as well as the existing drainage systems within the property of 75 and 85 Challenger Road, as shown on the attachment of your August 12, 2018 email, obtaining pipe elevations and approximate pipe sizes from above ground.

Elevations have been provided in the North American Vertical Datum of 1988 (NAVD 88) derived from GNSS (formerly GPS) surveying. Contours were generated from the topographic locations at one (1) foot intervals.

As part of this proposal, Boswell will prepare the required drainage design along the easterly curb line of Challenger Road inclusive of an engineer's estimate for the drainage improvements and submit a primary plan and estimate to Bergen County within two weeks from the notice to proceed. Boswell topographic survey will be utilized as a base map for the proposed drainage improvements.

Based upon the sketches developed by the County, Boswell will provide a drainage design for easterly side of Challenger Road in front of the Samsung building, tying the proposed drainage in front of 85 Challenger Road into the Double B inlets at the north east corner of the northerly entrance driveway to the Samsung building. The outfall from this Double B inlet will be reconstructed as it appears the existing pipe is buried and no longer has a proper discharge location.

As discussed with Bergen County, permitting, including both NJDEP and BCSCD, is specifically excluded from this proposal, and, if necessary, will be addressed in a later proposal to the county as an extra work request.

The Total Lump Sum Fee for the outlined surveying services previously performed by Boswell as verbally authorized by the County will be Six Thousand Nine Hundred Fifty Dollars (\$6,950.00).

Also, as previously discussed and authorized by the County, Boswell will also retain the services of Taylor, Wiseman & Taylor for performing utility test holes in accordance with their proposal dated August 7, 2018.

The Total Lump Sum Fee for subsurface utility engineering services will be Six Thousand Dollars (\$6,000.00).

All Boswell sub-consultant coordination/mobilization fees have been included in our surveying services fee.

The total lump sum fee for the drainage design services will be Nine Thousand Five Hundred Dollars (\$9,500.00).

Your signature accepting this proposal will act as Boswell's authorization to proceed with this matter. The executor of this proposal accepts responsibility of payment.

Boswell wishes to thank you for the opportunity to submit this proposal. If you should have any questions, please do not hesitate to contact me.

Very truly yours,

BOSWELL ENGINEERING



Nick DeNicola, P.E.
Project Manager

ND/s
Attachments

Accepted by _____

Date _____

Print Name/Title _____