

# JPGA

January 28, 2021

To: Nick Mastrangelo

Reference: **51 Laura Road**

Subject: **Description of proposed work re existing bridge**

Dear Mr. Mastrangelo,

Per your request, we conducted a site inspection on the above referenced property to assess the status of the existing driveway bridge. The structure appears to be in poor condition, and I have attached the report by Thomas Torrenti PC which describes the structure in detail. Our site visit confirms the observations summarized in that report.

We have produced a plan, "Proposed Improvement Location Survey" dated 1-11-21, which details a simple plan for the replacement of the timber bridge with a 15" RCP in a pervious stone envelope extending 5' to either side of the pipe. The stone envelope will provide additional means for water to pass under the drive, and a solid base for the crossing. The area upstream of the driveway shall be graded to direct water to the new pipe as shown. We performed an analysis of the +/-6.3 acre area which generates the runoff to the proposed pipe, and the pipe is sized to accommodate the 25 year storm event, which is standard for typical road construction. A channel of the same rubble stone material is proposed on the downstream side of the drive to direct the flow back into the existing stream.

We thank you for the opportunity to be of service.

If you have any questions, please call.

Very truly yours,



John Paul Garcia, P.E., L.S.

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