



Casey Rauch, P.E.  
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106 N. Harrison St.  
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May 30, 2023

Steve Ball, AICP  
Town Planner  
Town of St. Michaels  
300 Mill Street  
St. Michaels, MD 21663

**RE: Description of 30%, 90%, and 100% Completed Design Work**

Dear Mr. Ball,

To date, 30% concept designs have been completed for Phase II of the Town of St. Michael's Nature Trail. This work has included the following primary design tasks:

- 1) Wetland Delineation and site visits with MDE
- 2) Topographic Surveying
- 3) Creating several proposed trail alignments via digital desktop analysis using GIS and CAD
- 4) Ground-truthing digital trail alignments in the field with accompanying flags
- 5) Trail construction specifications
- 6) Preliminary Stormwater Management calculations and reporting have been completed, using Maryland's ESD to the MEP method

Once the 30% concept design drawings are agreed upon as the overall layout and approach to the Nature Trail, design work can proceed toward completion of the remaining 90% and 100% construction documents.

At the 90% completion level, design drawings and detail specifications for materials, and erosion & sediment controls will be modified and updated. In particular, the wetland boardwalk and structural design proposed over the non-tidal wetlands along the north side of Chester Park Lane will need to be designed and accompanied with construction specifications. The Stormwater Management Report will be finalized to confirm quality and quantity calculations to incorporate into the final design parameters. Permit applications and correspondence with approval agencies will be submitted to confirm the information required on the necessary permits. A detailed construction cost estimate will be completed and submitted for review. The 90% completion drawings are essentially the 100% drawings, with the added caveat that it provides an opportunity for the Town of St. Michaels, stakeholders, and the public to comment and provide final feedback before finalizing the 100% construction drawings.

The completion of the 100% construction drawings will consider the final feedback received during the 90% completion stage to revise the design drawings, specifications, Stormwater Management, the sequence of construction, and the cost estimate. Construction bid documents will also be created. The 100% drawings will be construction ready when all necessary permits and approvals are obtained.

See below Appendix A for an exhibit of labeled trail ending options - A, B, or C, or any combination thereof - to be determined. A 24" x 36" board of this exhibit will be provided for the next in-person meeting with Town staff and the public to collect feedback and consensus on how Phase II of the Nature Trail ends.

Please feel free to reach out to me with further questions.

Sincerely,

A handwritten signature in blue ink that reads "Casey Rauch". The signature is fluid and cursive, with a long horizontal stroke extending to the right.

Casey Rauch, P.E.

APPENDIX A: Proposed Phase II Nature Trail Alignment.

