



MIDDLETOWN
Rhode Island

PLANNING DEPARTMENT

TOWN OF MIDDLETOWN

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To: Paul A. Croce, Chairman
Planning Board Members

From: Ron Wolanski, Town Planner

Date: August 1, 2022

Re: Status update – 2020 Full-build impact study prioritized recommendations

As requested during the July regular Planning Board meeting, I am providing an update on the status of implementation of action items from the 2020 Crossman Engineering full-build impact study. During a joint Town Council/Planning Board meeting held on April 28, 2021 the Town Council identified high priority actions for implementation. Attached is the list of prioritized actions identified by the Town Council with estimated timeframe for completion and suggested responsible parties for each item.

During the April 28, 2021 meeting, the Town Council also requested additional information on the work needed to implement some of the recommendations the Planning Board had identified as “long-term” concerns. Information on these items was subsequently provided to the Council and is attached on a separate sheet.

Finally, the Town Council requested the list of recommended traffic and roadway improvements included in the Crossman report. These are also attached. Appropriate departments, including Police, Public Works, and Town Engineer, were to be tasked with reviewing and prioritizing these actions.

Please contact me with any questions or additional information needs.

cc. Town Administrator

Full-Build Development Impact Study, Crossman Engineering, 2020
Town Council Prioritized Action Items Status
 Surface Water Impacts

High-priority Items	Recommended Responsible Department	Recommended Timeframe to Complete Task	Status, 8/1/2022
1. Perform Periodic Water Quality Testing of past stormwater treatment systems to document performance (for each action step responsible party and potential funding source to be identified)			
a. Update inventory of BMPs	Engineering/DPW	3-9mo	Ongoing
b. Identify priority BMPs for testing, including site inspection to confirm appropriate maintenance has occurred	Engineering, Consultant	3-9mo	Ongoing
c. Establish schedule and procedures for BMP water quality sampling	Engineering/DPW, Consultant		Not yet completed
i. Identify funding		3-9mo	
ii. Identify staff/contractor to conduct sampling & Perform Tests		3-9mo	
iii. Identify lab for testing & Actual Tests		3-9mo	
2. Formalize program with other organizations for watershed monitoring/testing			

a. Establish data sharing protocols with agencies and organizations already performing testing	Engineering, Planning	3-9mo	Not yet completed.
3. Establish Nutrient Control Ordinance (for each action step responsible party and potential funding source to be identified)			
a. Research and draft proposed ordinance	Planning, Consultant	3-9mo	Draft ordinance prepared by legal. Under review.
b. Present ordinance to the Town Council for consideration	Planning	3-9mo	Not yet completed.

Groundwater

High-priority Items	Recommended Responsible Department	Recommended Timeframe to complete task	Status, 8/1/2022
1. Increase public awareness/education of private well testing (quality) (for each action step responsible party and potential funding source to be identified)			
a. Develop education campaign to promote well testing	Planning	3-9mo	Not yet completed.
b. Establish voluntary program to report testing results to the Town	Planning	3-9mo	Not yet completed.
c. Coordinate with existing agencies to distribute private well educational materials	Planning	3-9mo	Not yet completed.
2. Establish database of well test data and database of all wells in Town (depths and performance)	Consultant, Planning	18-36 mo	Not yet completed.
3. Evaluate minimum lot sizes for homes with wells, including cluster developments	Consultant, Planning	18-36 mo	Not yet completed.

**Full-Build Development Impact Study, Crossman Engineering, 2020
Town Council Identified Long-term Action items Status**

Surface Water Impacts

<u>Long-term considerations</u>	Recommended Responsible Department	Recommended Timeframe to Complete Task	Status, 8/1/2022
1. Update Stormwater Ordinance to address watershed specific impairments	Planning, Consultant	18-36 mo	Not yet completed.
2. Work with large agricultural properties to implement runoff control measures	Planning, Engineering, Consultant	18-36 mo	Ongoing
3. Identify and prioritize flood prone areas for remediation actions	DPW, Engineering, Planning	18-36 mo	Ongoing

Full-Build Development Impact Study, Crossman Engineering, 2020

Traffic Improvement Recommendations

Following are recommendations for roadway improvements from the 2020 Crossman Engineering full-build impact report. The Planning Board has recommended that the appropriate Town departments (e.g. Police, DPW, Engineering) assist with developing a prioritized list of projects to pursue.

5.1 Optimizing the signal timing in the future should provide some capacity improvement for all signalized intersections; however, additional mitigation may be necessary to provide significant improvement at the following intersections:

- West Main Road / Greene Lane / Pasture Farm Drive
- West Main Road / Oliphant Lane
- West Main Road / Forest Avenue
- West Main Road / Valley Road
- West Main Road / East Main Road
- East Main Road / Oliphant Lane
- East Main Road / Forest Avenue / Ramada Hotel Driveway
- East Main Road / Valley Road

5.2 It appears that Rockwood Road could possibly be restriped with 11 ft travel lanes and minimal shoulder to provide a left/thru and right lane for a short distance to the commercial driveway curb cut. This may provide some delays and queue improvement on this side street and some improvement for the signal capacity as a whole.

5.3 Slightly extend the striping for the right turn lane pocket on Aquidneck Avenue at East Main Road. Since the Aquidneck Avenue northbound left/thru lane carries a small amount of traffic compared to the right turn lane, re-striping the left/thru as a left/thru/right general use lane may improve capacity for this approach.

5.4 For Green End Avenue at the intersection of Valley Road, it appears that using the dedicated eastbound right turn lane instead as a right/thru lane may provide some improvement to capacity eastbound; however, this would require widening the westbound approach to provide an additional departure lane east of the signal.

5.5 The signalized intersection of Aquidneck Avenue / Valley Road will be reconstructed as a single lane roundabout. CE's analysis shows the proposed roundabout will provide good LOS for the future full-build scenario.

5.6 In the future the Town may want to analyze and consider the option of a roundabout to replace the signal at Aquidneck Avenue / Purgatory Road/ Memorial Boulevard.

5.7 For future mitigation, a proposed roundabout should be considered at Green End Avenue / Berkeley Avenue / Paradise Avenue. Analysis shows that the intersection would function well as a roundabout.

5.8 The LOS at Third Beach Road / Mitchell's Lane / Wapping Road remains very good for future conditions. The Town may want to consider the option of a roundabout at this location in the future should traffic conditions change.