



KLEINFELDER MEMORANDUM

TO: Gino Cresta, Dan Dragani | Town of Swampscott
FROM: David Peterson | Kleinfelder
DATE: October 9, 2014
SUBJECT: Monthly Progress Update
- Lower Paradise Road Drain Replacement Design
- Town-Wide Drainage Study

This Memorandum serves as a status report of work completed during September and work anticipated to be completed in October for the ongoing projects in Swampscott. Please share this with the Town Administrator, Board of Selectmen, and others as you see fit.

LOWER PARADISE ROAD – DRAINAGE DESIGN

The following work was completed during the monthly period ending September 28, 2014:

- Completed 90% draft of bid documents, including civil and structural sheets and specifications, as well as repairs to Stacey's Brook culvert..
- Initiated internal review of documents.
- Submitted permit application to MassDOT. The permit application included a set of full size design drawings and the original engineering study for Lower Paradise Road.
- Developed an engineer's opinion of probable construction cost.

During October 2014, the following activities are anticipated:

- Submit the draft bid-ready contract documents to the Town for final review.
- Incorporate any comments from the Town into the bid documents.
- Incorporate any comments received by MassDOT into the bid documents.

The bid date for this project will be set once the MassDOT work permit is issued and comments can be addressed into the bid documents.



TOWN-WIDE DRAINAGE STUDY

The following work was completed during the monthly period ending September 28, 2014:

- Continued to set up the hydraulic models, including inputting the system-specific data such as drain pipe sizes, manholes rims and inverts. The data sources for this are predominantly available drawings furnished by the Town.
- Data adjustments have been required to allow for different datums and rim elevation discrepancies.
- Currently, all models are simultaneously under development, except for the Foster Pond model.
- Apart from the Foster Pond model, there are seven (7) other independent models under construction.
- A field program is also under development. This includes taking drain manhole measure downs to confirm inverts, confirm connectivity of the system, and verify pipe diameters.
- We obtained stormwater reports from Aggregate Industries. This information will be referenced as part of developing the Foster Pond model.
- In addition to the work completed, listed above, we also prepared and submitted a grant application to CZM to allow the Town to expand on the scope of work of the drainage study. Should the Town be successful in the award of this grant, Kleinfelder will be able to perform a climate change impact and vulnerability assessment which will dovetail directly into the H/H modeling effort that is ongoing. This grant was prepared at no cost to the Town.

During October 2014, the following activities are anticipated:

- Continue to develop the models as described above
- Begin field program, assuming it is fully scoped out in this time period.