



ENGINEERING SUCCESS TOGETHER

MEMORANDUM

Date: February 16, 2017 Job No.: 5093
To: Anthony Del Gaizo, PE – Town Engineer
Cc:
From: Michael Hornig, PE – Senior Project Manager
Subject: **Rockwood Lane Construction Observation**

BETA has overseen the following construction activities between January 2016 and February 2017:

- Installation of underdrain
- Installation of foundation drains
- Installation of infiltration units
- Installation of water services
- Installation of sewer services
- Blasting ledge between 2/1/16 and 3/2/16
- Drilling ledge between 1/29/16 and 2/25/16
- Installation of catch basins
- Excavation of Lot foundations
- Forming and pouring Lot foundations
- Installation of stone retaining walls
- Grading of Lots
- Installation of electrical conduit
- Excavation of gas main trench
- Installation of gas main
- Hammering of ledge near site entrance for gas installation
- Hammering of ledge on Lot 9
- Installation of driveway culverts
- Grading of Rockwood Estates roadway
- Installation of pavement binder on Rockwood Lane
- Installation of driveway headwalls
- BETA prepared two (2) bond estimates for remaining work

In addition to general construction oversight, BETA has acted as a liaison between the Town, Developer, and Residents. Between January 2016 and February 2017, BETA has received and sent approximately 350 emails addressing a variety of site concerns including site activity updates to residents. That number does not include internal BETA coordination emails. BETA has also maintained communication with the Developer and Residents via phone calls, site visits, and house visits. BETA continues to receive no communication about site activities from the developer and must initiate contact via phone calls or site visits.

BETA has assisted the Town with addressing the following site concerns from January 2016 to February 2017:

- Numerous trucking violations reported during hauling of excavated material, foundation installation, and paving activities. BETA met on site with site supervisor after each complaint received.

- Water main failed multiple pressure tests. Contractor installed new gate valve at STA 2+30 and main continued to fail pressure tests. Testing began 1/7/16. Water main passed on 1/28/16.
- Resident concerns regarding sieve analysis of gravel fill. BETA returned resident phone calls and responded to emails.
- Resident concern regarding tree damage from blasting operations. BETA met with resident to discuss and record damaged tree.
- Multiple communications from residents regarding replacement of arborvitaes damaged during initial site clearing
- Construction noise complaints
- Resident concerns regarding hammering of ledge 5/12/16
- Undermining of retaining wall due to ledge removal along Lot 5 rear
- Resident concerns regarding landscaping timeframe
- Resident concerns regarding site drainage
- Gravel runoff onto Rockwood Lane from gas trench
- Resident concerns regarding stability of stockpile on Lot 7
- Resident concern regarding vehicle smoke from construction site
- Multiple communications from residents about dust from construction site. Repeated requests for site to be watered down daily
- BETA relayed safety concern regarding exposed, live gas main to Town. At Town's request, BETA directed site supervisor to immediately backfill exposed gas main.
- Reestablishing construction pad entrance
- Multiple communications from residents regarding condition of previously planted trees around site perimeter
- Resident concern regarding hammerhead turnaround appearance
- Sidewalk condition on Rockwood Lane between Richard Road and site entrance
- Resident inquiry regarding stop sign installation at site entrance
- Resident concern regarding dying tree at corner of site entrance and property on Richard Road and multiple communications regarding responsibility of tree removal
- Condition of grass strip along Rockwood Lane and schedule for repair
- Drainage concerns at corner of Rockwood Lane and Bird Street. Resident concerned with amount of water and debris leaving site during rain events. BETA believes filter fabric in catch basins at corner of Richard Road and Rockwood Lane contributing to excessive water. BETA requested site supervisor to establish additional erosion control measures on site and remove filter fabric from catch basins.

BETA has also generated and distributed 38 "weekly" inspection or incident condition reports including photographs, 83 site visits, and 12 invoices for the period of January 2016 through February 2017.