

DAILY CONSTRUCTION REPORT

Date: Monday, 10-02-2017
(Day 112)

PROJECT: Middle Road Improvements
CLIENT: Town of Cumberland
CONTRACTOR: Storey Brothers
PROJECT MANAGER: Dan Diffin, P.E.

WEATHER: Sunny, Clear w/ high clouds
TEMP: AM: upper 40's PM: upper 60's
WIND: Calm
HUMIDITY: Crisp

FIELD FORCE

Name of Contractor	Supervisor	Non-Supervisor	Remarks
Storey Brothers	1	4	Set headwall for 42-inch culvert at STA 17+00
Northeast Security		3	Flaggers for Storey Brothers work zone
ICON Connections	1	3 (incl. 2 Flaggers)	Transfer comm. wires to new poles for Spectrum
Construction Services & Irrigation	1	0	Dave Bernard, PWD Inspector

VISITORS

Time	Name	Representing	Remarks

EQUIPMENT

2 Excavators – CAT 325F (excavating for waterline), CAT 315C (idle no blasting) & CAT 329D (idle)
2 Loaders – CAT 930H (with side dump bucket for backfilling crushed stone), CAT 930M (with lifting forks)
2 Dozers – Deere 550H (dozing top of backfill), CAT D5K2 (idle)
1 Smooth Drum Roller – Volvo 540 (trench compaction), Ingersoll IR-116D (road compaction)
1 Percussion Rock Drill – ROC D3 (McGoldrick idle)

TODAY'S CONSTRUCTION ACTIVITIES

Storey Brothers installed two 18-foot sections of water main for temporary 2-inch blow-off valve to flush line then constructed concrete form at culvert inlet. While waiting for the concrete to arrive they excavated for the "long side" hydrant and water service crossing the road to Evergreen Lane. When the concrete arrived, the form was poured, afterward work resumed on the installation of crossing pipe for the hydrant and 1-inch copper water service.
Spectrum Communications Contractor on-site transferring wires at various poles north of the work zone.

TOMORROW'S ANTICIPATED CONSTRUCTION ACTIVITIES

Install "long side" hydrant at 19+05 across from Waterfall Way.
Resume installation of natural gas main to extend it to current extent of water main.
Finish blasting for natural gas main.
Continue transferring communications wires onto the new poles.

QUALITY ASSURANCE

SME on-site to oversee progress, facilitate communications, and inspect erosion control measures.

DISTRIBUTION:

- 1 SME
- 2 Town of Cumberland
- 3 Storey Brothers, Inc.
- 4 Summit Natural Gas
- 5 Central Maine Power

BY: James C. Manzer, P.E., PTOE TITLE: Field Engineer

SEVEE & MAHER ENGINEERS, INC.
CONSTRUCTION PHOTOS
October 2, 2017



Form constructed in the morning for the cast-in-place concrete headwall.



By 3:15 PM, the concrete was placed in the form and troweled to a smooth finish.

SEVEE & MAHER ENGINEERS, INC.
CONSTRUCTION PHOTOS
October 2, 2017



Due to the proximity of the hydrant tee and the "long side" 1-inch copper water services, a single large excavation was used instead of a trench box.



Side view of excavation at STA 15+25 during the installation of the hydrant crossing the road to Evergreen Lane. With much of the overburden removed after blasting to return the road to grade, nearly the entire excavation is in shattered ledge.