



**GORRILL
PALMER**

DAILY FIELD OBSERVATION REPORT

Project: Route 1 Roadway Improvements

Client: Town of Cumberland

GP Field Rep: Asher J. Anderson (AJA)

Weather: Cloudy

Time onsite: 10:30 am – 1:30 pm, 4:45 pm – 5:00 pm (AJA)

GPCEI Project No: 1636.83

Visit Date: May 02, 2017

Report Date: May 02, 2017

Temp. Range: 45-52°F

Shaw Brothers Hydrant Crew:

Personnel – 1 - Foreman (Josh F.), 2 - Laborers, 1 - Operator

Equipment – 1 – Cat M318 Excavator, 1 – Truck

Dirigo Slipform (Sub):

Personnel – 1 – Foreman, 5 - Laborers

Equipment – 1 – Curb Machine, 1 – Cement Truck (Auburn Concrete)

S.W Cole:

Personnel – 1 – Materials Testing Technician

Distribution: File, Bill Shane, Chris Bolduc

Work in Progress

- Shaw Brothers removed and replaced a hydrant on Thomas Drive. This work included a potential change order for ledge removal.
- Dirigo Slipform installed 58.5 LF of slipform curb on each side of Casco Bay Dr.
- S.W Cole performed 12 passing density tests on the base gravel in the right lane.

Discussions/Observation

- 7:00 am – Crew hand placed 12.5mm HMA as curb base for the slipform curb replacement on Skyview Drive.
- 8:00 am - Crew began work removing the hydrant on the south side of Thomas Drive.
- 9:00 am – While excavating to the limits of the new hydrant location crew encountered ledge. JF immediately contacted a different Shaw Brothers crew and mobilized a hoe ram. Crew stopped work, waiting for hoe ram to arrive on site.
- 9:30 am – JF contacted AJA and informed him about the ledge and need for ledge removal. A Takeuchi TB290 arrived on site with a hoe ram and had begun ledge removal. Approximately 3 cubic yards of ledge would be removed.
- 10:30 am – AJA arrived on site. Crew was removing ledge with a small hoe ram.
- 11:00 am – Dirigo Slipform arrived on site to install slipform curb on Casco Bay Drive.
- 11:30 am – Ledge removal was complete. AJA and JF agreed there was 2.5 hours of lost time for two laborers, one large excavator with operator, one truck with driver, and one small excavator with hoe ram and operator. Shaw brothers would also submit a mobilization charge for the transportation of the small excavator and hoe ram. The driver that transported the machine also operated it.
- 11:30 am – Concrete arrived on site for the installation of the slipform curb.

- 12:30 pm – Slipform curb installation was complete.
- 1:00 pm – Hydrant installation was complete. Crew backfilled excavation. The water main was wrapped in plastic and surrounded by 6” of crushed stone. Concrete blocks were used as thrust blocks, backed up by the existing ledge. All mega lug and collar connections were tightened with a torque wrench to 90 ft-lbs.
- 1:30 pm – AJA left the site. Crew was waiting for a grader to arrive on site to fine grade base gravel.
- 4:45 pm – AJA arrived on site. Crew was adjusting fine grade in the right lane on the northern end of the project.
- 5:00 pm – AJA left the site.

Schedule of Work

- Fine grading in the right lane to continue on 5/3/17.

Visitors on Site

- John, Portland Water District – On site throughout the day.

Concerns/Questions

- None at this time.

Follow up Required

- None at this time.

Prepared By: Asher J. Anderson

Reviewed By: Doug Reynolds, PE

If there are any discrepancies, please notify the sender immediately.



Ledge removal for hydrant installation on Thomas Drive



Ledge successfully removed for hydrant relocation on Thomas Drive



Hydrant installed on Thomas Drive



Thrust block behind hydrant, backed up by ledge, on Thomas Drive



Water main wrapped in plastic and surrounded in crushed stone on Thomas Drive



Slipform curb installation on Casco Bay Dr.