

**WEEKLY CONSTRUCTION REPORT**

PROJECT: MIDDLE ROAD IMPROVEMENTS

PERIOD ENDING: WED., 20 Sept. 2017

JOB NO.: 16047.00

CLIENT: TOWN OF CUMBERLAND

CONTRACTOR: STOREY BROTHERS, INC.

PROJECT MANAGER: DAN DIFFIN

<b>AVERAGE FIELD FORCE</b>			
<b>Name of Contractor</b>	<b>Non-manual</b>	<b>Manual</b>	<b>Remarks</b>
STOREY BROTHERS EXCAVATING, INC.	1	4-5	On-site 9/14 through 9/20
ACE SECURITY (Flagging)	0	2-4	On-site 9/14 through 9/20
CONSTRUCTION SERVICES AND IRRIGATION (CSI) – Dave Bernard			PWD Inspector on-site 9/17 to 9/20
SUMMIT NATURAL GAS	1	2-3	On-site 9/14, 9/18 to 9/20
MCGOLDRICK BROTHERS	1	2	Blasting 9/18 to 9/20
<b>VISITORS</b>			
<b>Date</b>	<b>Name</b>	<b>Representing</b>	<b>Remarks</b>
9/20	Bill Shane & Chris Bolduc	Town of Cumberland	First of weekly on-site progress meetings
<b>TYPICAL EQUIPMENT ON-SITE</b>			
4 EXCAVATORS, 2 DOZERS, 2 LOADERS, & 2 ROLLERS (Storey Brothers)			
1 MINI-EXCAVATOR, 1 BACKHOE/LOADER (Summit rentals)			
<b>CONSTRUCTION ACTIVITIES</b>			
Thurs., 9/14 – Started full box cut from 27+00 to 31+00. Summit completed gas service line to house at 148 Middle Road. Water main extension was dechlorinated.			
Fri., 9/15 – Storey Brothers worked on garage slab (out of contract) and provided Excavator & Operator for test pits. Water samples were obtained from the new hydrants.			
Sat., 9/16 & Sun., 9/17 – No Work.			
Mon., 9/18 – Resume blasting for water main extension. Install gas main and adjacent 6-inch underdrain south of STA 48+50. Re-flush water main extension after failed test.			
Tues., 9/19 – Continue blasting ledge southward. Box cut & install 6" underdrain south of new pavement. Resample water line ext.			
Wed., 9/20 – Continue blasting ledge southward. Box cut & install 6" underdrain southward. Re-flush and resample water line.			
<b>PROJECTED CONSTRUCTION ACTIVITIES</b>			
Thurs., 9/21 – Continue blasting ledge southward. Box cut & install 6" underdrain southward. Test entire length of natural gas main.			
Fri., 9/22 – Blast ledge to STA 15+00. Box cut & install 6" UD southward. Remove temporary water main after passed test			
Sat., 9/23 & Sun., 9/24 – No work scheduled but Saturday work may be requested.			
Mon., 9/25 – Box cut & install 6" UD southward.			
Tues., 9/26 – Box cut & install 6" UD southward			
Wed., 9/27 – Install culvert and retaining wall at STA 17+00.			
<b>QUALITY ASSURANCE:</b>			
SME on-site to review overall progress, verify materials & quantities, and inspect erosion control measures.			

**DISTRIBUTION:**

1. Owner – Town of Cumberland
2. Contractor - Storey Brothers
3. Engineer – Sevee & Maher Engineers, Inc.
4. File

BY: James C. Manzer, P.E., PTOE

TITLE: FIELD ENGINEER

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Photograph 1 – Thursday, September 14<sup>th</sup> - Exposed subgrade near STA 28+50, Left in the segment from STA 27+00 to STA 31+00 originally proposed for partial box cut. Excavated subgrade shown is near the interface of existing gravel and original subgrade consisting mostly of a silty sand with clay lenses.



Photograph 2: Thursday, September 14<sup>th</sup> - New Type D gravel being placed on geotextile fabric in front of Range Way at STA 28+00, Left. Gravel of exceptional quality (well graded with good angularity).





Photograph 3 – Friday, September 15<sup>th</sup> - Test Pit 3C at STA 35+30, 10' Left - Encountered ledge 18-inches below the top of the milled pavement. About 4 inches of pavement had been milled off leaving about 3 inches. This area is in a “full” box cut area.



Photograph 4 - Friday, September 15<sup>th</sup> – Test Pit 9 at STA 47+50 10' Left – Did not reach ledge at a depth of 45 inches below the milled pavement. Gravel/clay interface was about 18 inches below top of the 2 inches of milled pavement remaining. This area was in a “partial” box cut area.





Photograph 5 – Monday, September 18<sup>th</sup> – McGoldrick laying out drilling locations prior to blasting for water main extension south of Shirley Lane.



Photograph 6 - Monday, September 18<sup>th</sup> - Installing 6-inch underdrain and 4-inch gas main in adjacent trenches south of STA 47+30. Pole 316 in foreground.





Photograph 7 – Tuesday, September 19<sup>th</sup> - After peeling away pavement, Storey Brothers starting to box cut road in east lane at STA 49+20 (in front of 95 Middle Road) working southward from east to west.



Photograph 8 - Tuesday, September 19<sup>th</sup> – Finishing up box cut in west lane at STA 46+00 and placing Type D gravel to match up with east lane near the end of the day.





Photograph 9 – Wednesday, September 20<sup>th</sup> – Installed 6-inch underdrain from STA 44+30 to STA 41+88. Pole #314 in foreground



Photograph 10 – Wednesday, September 20<sup>th</sup> – Layout of alternating drill locations 3 feet wide and 7 feet longitudinally at Waterfall Way.