

MEMORANDUM

DATE:	February 3, 2017
TO:	Keith Coppins – North Atlantic Towers, LLC
FROM:	Doug Drost – Centek Engineering
CC:	Carlo F. Centore – Centek Engineering
PROJECT:	CT1155C Bethel – Wireless Communications Facility
CENTEK PROJ. NUMBER: 15231.000	

On January 26, 2017, Centek was contacted by the referenced communications site owner representative, Keith Coppins, who advised us of some concerns the Town of Bethel has regarding erosion/sedimentation related to the on-going site construction activities.

Centek was provided a copy of a Town issued letter (dated 01/26/17) on January 27, 2017. On January 30, 2017, Centek personnel visited the above referenced site to address said concerns. This is a summary of our findings and recommendations.

The site work contractor indicated that there was approximately 250 linear feet of open utility conduit trench along/adjacent to the east side of the site access drive. The utility conduits were installed and awaiting inspection from the Town's inspection personnel. A stone dam was constructed on the down gradient end of the trench as a temporary means of erosion/sedimentation control until the inspection was completed. Prior to the inspection, a rain event occurred during which the constructed dam failed. As a result, sedimentation made it's way down the open trench along the access drive and into the Codfish Hill Road right of way.

At the time of our visit, the aforementioned utility trench had been backfilled with the exception of the portion at the utility pull box located approximately at mid length of the access drive.

Siltation filter fabric was observed at the existing catch basin located in the Codfish Hill Road right of way just west of the access drive entrance.

Siltation fencing was observed along the southwest (down gradient) side of the communications compound as well as the west side of the access drive along the northernmost portion of the access drive as existing grades sloped down gradient toward the west.

A stockpile of excavated material from the compound area was identified at the northernmost access drive area

The contractor intends to construct the access drive from the southernmost location closest to Codfish Hill Road and continue northerly to the compound.

Our recommendations are as follows:

1. Siltation Fence/Strawbale Siltation Fence "Sandwich" Erosion Control shall be installed at the base of the existing earth stockpile area (on down gradient sides) until stockpile is removal



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from site. The detail for this Erosion Control can be found on sheet C-3 of the construction drawings (detail 1).

- 2. The scheduled cross swale level spreader shown on the construction drawing within proximity of the gravel access drive entrance shall be installed at the same time the first 50 feet of access drive construction is completed.
- 3. As the contractor continues construction of the access drive working northerly, Siltation Fence/Strawbale Siltation Fence "Sandwich" Erosion Control shall be installed full width of the access drive and to the edges of the access easement to the extent possible. The aforementioned protection shall be restored at the end of each workday north of the completed access drive construction.
- 4. The scheduled cross-swale level spreader and associated Siltation Fence/Strawbale erosion control located approximately ³/₄ of the way up the access drive shall be installed upon completion of the immediate adjacent access drive construction.
- 5. The scheduled 55 foot long level spreader located adjacent to the last ¼ length of access drive shall be installed in concert with the remaining access drive construction and scheduled grading on both sides of access drive. Erosion control matting is also required in graded areas as indicated on the construction drawings site plan. This will require the removal and/or redistribution of the existing soil stockpile in this area.
- 6. The scheduled drainage swales on the SE and NE sides of the compound are designed to direct drainage toward the aforementioned 55 foot long level spreader and shall be installed during the compound grading/surfacing activities.

The above recommendations shall not alleviate the contractor's responsibilities as it pertains to the site design and facility construction as per the construction drawings. Centek shall be notified immediately of any concerns or field condition that may result in drainage or erosion control issues.

The attached construction site plan has been marked up (in red) to highlight conditions and recommendations discussed above and is provided as an additional visual reference to accompany this memorandum.

