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May 25, 2017

Melanie A. Bachman, Esq.
Executive Director/Staff Attorney
Connecticut Siting Council
10 Franklin Square
New Britain, CT 06051

Re: **Docket No. 455 – Cellco Partnership d/b/a Verizon Wireless**
99 East Street, Southington, Connecticut
Environmental Monitoring Report No. 9

Dear Ms. Bachman:

In accordance with the environmental notes on the approved Development and Management Plan for Docket No. 455, enclosed please find fifteen (15) copies of the Environmental Monitoring Report No. 9 for the cell site at 99 East Street in Southington, Connecticut.

You will note in his latest report, Matt Gustafson from All-Points Technologies Corp. ("APT") identified several areas of erosion. The primary erosion path is originating from the Town's leaf composting operation located adjacent to the existing tower site. Several additional small erosion channels were also identified along the eastern slope of the site leading from the tree screen plantings and the tower site access road. Mr. Gustafson recommended that Cellco perform some soft armoring of the eastern slope of the site with vegetation. If the minor erosion problems persist, Cellco would likely proceed with additional measures which could include the installation of a new drainage swale, the installation of a rock armored plunge pool and/or the installation of a level spreader to control stormwater flows, flow velocities and direct the run-off as necessary. APT is confident these initial measures will remedy these minor erosion problems.

We will keep you and the Council up to date on these efforts and will continue providing environmental monitoring reports as required by the Council's D&M Plan approval.

Sincerely,

Kenneth C. Baldwin

KCB/kmd
Enclosures
Copy to:
Matt Gustafson
John Tierney
Anthony R. Befera

ALL-POINTS TECHNOLOGY CORPORATION

ENVIRONMENTAL MONITORING
DAILY SITE OBSERVATION FORM

Report No. 9

Project: Verizon Wireless Southington East Street Facility
Address: 99 East Street, Southington, Connecticut

APT Project #: CT1412300

Date of Inspection: 5/16/2017	Weather: sunny, mid, 70's
Time of Inspection: 2:00 PM	Latest Precipitation Event > ¼" (NOAA): 1.21" on 5/14/2017
Compliance Monitor:	Matthew Gustafson, Wetland Scientist

Regulatory Compliance Permitting Agency & Permit ID:
ACOE NED ☐: CT Siting Council ☒: Docket No.455 Decision Order Date: May 14, 2015 CTDEEP IWRD ☐: CTDEEP NDDB ☒: Determination No: 201508910
Resource Protection Program:
Rare Species ☒ Species Name: spotted turtle Aquifer Protection Area ☒ Vernal Pool ☒
Workers Environmental Awareness Program Training Completed: Yes ☒ No ☐
Date of Training: 6/1/2016 Signage Installed Date: 6/14/2016
Compliance Species Observed During Inspection: Yes ☐ No ☒
Species Name: N/A # Species: N/A
Progress of Construction:
Pre-Construction ☐ Initial Exclusion Fencing Inspection ☐ Clearing & Grubbing ☐ Intermediate ☒ Final Inspection ☐

DESCRIPTION OF OBSERVED ACTIVITY

Compliance Level:

Communication ☐
Acceptable ☐
Problem Area ☒
- ☐ Minor Exclusion Fencing Repair
- ☐ Additional Exclusion Fencing Required
- ☒ Sediment release into upland habitat without risk of resource impact

Non-Compliance ☐
- ☐ Sediment release into upland habitat with risk of resource impact
- ☐ Sediment release into wetland habitat
- ☐ Sediment release into watercourse

Issues Requiring Corrective Action	Corrective Action Implemented
Corrective Action #1 – straw wattle staked down	6/15/16
Corrective Action #2 – repair break in silt fence along northwest corner of compound	7/15/16
Corrective Action #3 – (2) channel erosive patterns starting at screening plantings and (2) rill erosive patterns starting at downslope side of access road entrance observed, sediment dropping out at corner of agricultural field (sediment release in field has already attenuated, no risk of release into off-site wetland resources). Two Options for repair: 1. Soft stabilization – seed entire side-slope and provide surface protection (BFM, erosion blanket, mulching etc.) and add straw wattle check dams along top of slope and mid slope. 2. Install grass drainage swale paralleling access road discharging into a rock armored plunge pool with level spreader outfall. Note: In either option eroded areas should be filled in, seeded, and have the surface stabilized in an appropriate manner.	

Project Modification Requested:

Extra Work Space Requested ☐
Change to Work Area ☒

Description of Modification:

- **June 24, 2016** - Modify gravel access road French Mattress section because it currently is built up too high above existing grade and will conflict with agricultural use of property. Does not create an issue with compliance monitoring. Centek Engineering to approve design modification. **August 18, 2016** - Access road will not have to install a French Mattress because they do not anticipate any cross drainage from across road. Centek has approved change.
- **June 24, 2016** - Add retaining wall on west and north sides to hold back soil. Does not create an issue with compliance monitoring. Centek Engineering to approve design modification.

- **June 24, 2016** - Modify evergreen screening plantings around compound. Proposed species may be susceptible to droughty soil conditions. Select alternate species to withstand drought (i.e., Red Cedar, etc.).
- **August 18, 2016** – Will need to remove west end of silt fence for property owner to replant field and contractor will reset after same is done.

Notes:

8/18/16 – all erosion controls in good condition

10/7/16 – Gravel road and retaining wall installed. Norway spruce was selected as tree species for planted screening. Silt fence removed previously has been reinstalled. Western edge of silt fence will be removed to accommodate planting of tree screening. Items left to be completed include removal of silt fence post construction, fuel tank install, final chain link fence installation, and final electrical work.

1/13/17 – Site is fully constructed, fence installed, tree screening planted and level spreader constructed. All trees are healthy and thriving. There is a small area of channel erosion on eastern slope of access that could be seeded and mulched to prevent further slope loss. Otherwise the site is stable and the silt fence can be removed.

5/16/17 – Site is mostly stabilized and silt fence has been removed. All tree plantings look healthy. Second area of erosive patterns noted is stemming from the corner of the access entrance is a result of the mulching operation and does not appear to have been caused or is resulting from any Verizon Wireless activity.

Enclosure: Photo Documentation
Sketch Map

PHOTO DOCUMENTATION
Verizon Wireless Environmental Monitoring Inspection
99 East Street, Southington, CT
Photos taken on May 16, 2017

Photo 1: View of access road entrance with facility in background, looking north.

Photo 2: View of erosion patterns originating from non-Verizon related mulching activities looking south.

Photo 3: View of erosion patterns, CA #3, looking west.

Photo 4 View of erosion patterns, CA #3, looking west.

Photo 5: View of silt fence removed looking northwest.

Photo 6: View of tower and compound area looking north.

Note: both options require seeding & surface stabilization

Option 2 Detail:

drainage swale feeding to plunge pool/ level spreader

ROAD

trees

erosive pattern

bottom of slope

Option 1 Detail -

Road

trees

stone wattle check dam

erosive patterns

bottom of slope

ESTIMATED TREE REMOVAL SUMMARY	
TREES PROPOSED TO BE REMOVED IN LOCATION ALONG PROPOSED CELLCO PARTNERSHIP ACCESS OR UTILITY EASEMENT	= 0
TREES PROPOSED TO BE REMOVED WITHIN AND AROUND THE PROPOSED CELLCO PARTNERSHIP LEASE AREA	= 4
TOTAL TREES PROPOSED TO BE REMOVED	= 4

SYMBOLS LEGEND

- PROPERTY LINE
- EASEMENT LINE (PROPOSED)
- EXISTING ROAD
- ACCESS DRIVE (PROPOSED)
- CONTOUR LINE
- 550 GRADING LINE
- UTILITY POLE
- EXISTING DECIDUOUS TREE
- EXISTING CONIFEROUS TREE
- EXISTING DECIDUOUS TREE TO BE REMOVED
- EXISTING CONIFEROUS TREE TO BE REMOVED
- SILTATION FENCE/ STRAW BALES/ SILTATION FENCE "SANDWICH"
- FENCE LINE
- SPOT ELEVATION (PROPOSED)
- WF# 1-5 WETLAND BOUNDARY
- SILTATION FENCE

...Y NOTES

...SURVEY AND MAP HAS BEEN PREPARED IN ACCORDANCE WITH ...NS 20-300b-1 THRU 20-300b-20 OF THE REGULATIONS OF ...CTICUT STATE AGENCIES - "MINIMUM STANDARDS FOR SURVEYS AND ...N THE STATE OF CONNECTICUT" AS ENDORSED BY THE ...CTICUT ASSOCIATION OF LAND SURVEYORS, INC. ON SEPT. 26, 1996. ...POGRAPHIC SURVEY PORTION OF THIS PLAN CONFORMS TO A ...L ACCURACY OF CLASS T-2 AND IS INTENDED TO BE USED TO ...A PROPOSED TELECOMMUNICATION SITE.

...OPERTY/BOUNDARY LINES DEPICTED HEREON ARE COMPILED FROM ...MAPS, DEEDS AND LIMITED FIELD SURVEY. THESE LINES ARE NOT ...CONSTRUED AS A BOUNDARY OPINION AND ARE SUBJECT TO CHANGE ...ACCURATE FIELD SURVEY MAY DISCLOSE. PROPERTY MAY BE ...TO ENCUMBRANCES, EASEMENTS, RIGHTS OF WAY AS A TITLE ...REPORT MAY DISCLOSE.

...ATES BASED ON CONNECTICUT GRID SYSTEM NAD 83.

...S REFER TO AN NGVD 1929 DATUM.

...NER OF RECORD: TOWN OF SOUTHINGTON.

...KNOWN AS 99 EAST STREET, SOUTHINGTON, CT. ...953

...A = 27± ACRES

...OF THE PARCEL IS IN FLOOD ZONE AE BASED ON THE FLOOD ...RATE MAP, HARTFORD COUNTY, CONNECTICUT, ALL ...45, PANELS 503 OF 625, COMMUNITY MAP NUMBER ...D 0900CC0503F, EFFECTIVE DATE SEPTEMBER 26, 2008, BY ...ERGENCY MANAGEMENT AGENCY.

...UBJECT TO UTILITY EASEMENT TO THE CONNECTICUT LIGHT & ...MANY AS DEPICTED HEREON.

...MENTS ARE NOT SHOWN.

...E LEWIS FARM, BELLEVIEW AVENUE - MERIDEN AVENUE - ...SOUTHINGTON, CONN., SCALE 1"=100', DATED OCTOBER 24, ...THROUGH JULY 22, 1992, BY RUSSELL S. ANDRES.

...DGE AND BELIEF THIS MAP IS ...CORRECT AS NOTED HEREON

...T VALID WITHOUT A LIVE SIGNATURE AND SEAL

...EZ LLS #18833 DATE

ELECTRIC TRANSMISSION TOWER

300' CL&P EASEMENT

CL&P 129

CL&P 117

EAST STREET

SOUTH PLAINS ROAD

CL&P 131

IMPROVE EXISTING GRAVEL DRIVE TO PROPOSED CELLCO PARTNERSHIP 12' WIDE GRAVEL ACCESS DRIVE W/ 2% CROSS SLOPE CONDITION. (7/C-6)

PROPOSED CELLCO PARTNERSHIP 20' WIDE ACCESS EASEMENT.

(4/C-4) PROPOSED CELLCO PARTNERSHIP FRENCH MATTRESS STRUCTURE (LENGTH=90').

PROPOSED CELLCO PARTNERSHIP ACCESS DRIVE CENTERLINE, TYP.

(7/C-6) PROPOSED CELLCO PARTNERSHIP 12' WIDE GRAVEL ACCESS DRIVE W/ 2% CROSS SLOPE, TYP.

(8/C-6) PROPOSED CELLCO PARTNERSHIP 20' WIDE ACCESS GATE, TYP OF 2.

PROPOSED CELLCO PARTNERSHIP ACCESS DRIVE CROSS SLOPE DIRECTION.

PROPOSED CELLCO PARTNERSHIP 20' WIDE UTILITY EASEMENT.

GRAVEL DRIVE

(3/C-4) PROPOSED CELLCO PARTNERSHIP SILTATION FENCE, TYP.

(9/C-6) PROPOSED CELLCO PARTNERSHIP MINIMUM 8' TALL COMPOUND SCREENING PLANTINGS, TYP.

PROPOSED CELLCO PARTNERSHIP TOWER LOCATION.

PROPOSED SPOT GRADE, TYP.

PROPOSED CELLCO PARTNERSHIP SOUTH AMERICAN GREEN STORM EROSION BLANKET OR APPROVED EQUAL, TYP. REFER TO SHEET C-3.

(4/C-6) PROPOSED CELLCO PARTNERSHIP CROWN (MID RANGE), TYP.

(2/C-4) PROPOSED CELLCO PARTNERSHIP STRAW BALE CHECK DAM, TYP.

RESERVE EXISTING TREE, TYP.

(1/C-4) PROPOSED CELLCO PARTNERSHIP LEVEL SPREADER

(1/C-4) PROPOSED CELLCO PARTNERSHIP SILT FENCE/STRAW BALES, TYP.

erosive pattern

APPROXIMATE FLOOD ZONE AE

100' WETLAND BUFFER

(1/C-1) PARTIAL SITE PLAN
SCALE: 1"=40'

GRAPHIC SCALE
(IN FEET)
1 inch = 40 ft.

SKETCH MAP
5/16/17

Cellco Partnership d/b/a Verizon Wireless
CENTEK engineering