

**From:** [DEEP Nddbrequest](#)  
**To:** [Dean Gustafson](#)  
**Subject:** RE: NDDB # 201411387, Proposed Verizon Wireless Southington East Street a/k/a Meriden Relo. Facility, 99 East Street, Southington  
**Date:** Tuesday, December 02, 2014 3:48:34 PM

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Hi Dean,

Yes, there was a plant there and Nelson DeBarros our program ecologist has determined no conflict. The other species in this area is a spotted turtle. The spotted turtle is a candidate species for our new state list which will hopefully be approved in 2015. It will have a state special concern status. I am hoping you would be willing to consider protection strategies (pretty much in line with the wood and box) for this turtle. Would it make sense for you to do a protection strategy for them or would you like me to construct the letter and indicate necessary steps for protection?

Let me know.

Dawn

Dawn M. McKay  
Wildlife Division  
Bureau of Natural Resources  
Connecticut Department of Energy and Environmental Protection  
79 Elm Street, Hartford, CT 06106-5127  
P: 860.424.3392 | E: dawn.mckay@ct.gov

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From: Dean Gustafson [dgustafson@allpointstech.com]  
Sent: Monday, December 01, 2014 12:16 PM  
To: DEEP Nddbrequest  
Subject: RE: Proposed Verizon Wireless Southington East Street a/k/a Meriden Relo. Facility, 99 East Street, Southington

Good afternoon Dawn,

Hope you had a great Thanksgiving. I wanted to follow up and see if you might be getting close to issuing a review letter for this project. Verizon is planning on submitting their application to the Connecticut Siting Council later this week and if possible we would like to include the NDDB letter.

Thanks,  
Dean

-----Original Message-----

From: DEEP Nddbrequest [<mailto:DEEP.Nddbrequest@ct.gov>]  
Sent: Wednesday, November 19, 2014 4:43 PM  
To: Dean Gustafson  
Subject: RE: Proposed Verizon Wireless Southington East Street a/k/a Meriden Relo. Facility, 99 East Street, Southington

Hi Dean,  
I will start the review. Dawn

Dawn M. McKay  
Wildlife Division  
Bureau of Natural Resources  
Connecticut Department of Energy and Environmental Protection  
79 Elm Street, Hartford, CT 06106-5127  
P: 860.424.3392 | E: dawn.mckay@ct.gov<<mailto:dawn.mckay@ct.gov>>

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From: Dean Gustafson [dgustafson@allpointstech.com]  
Sent: Wednesday, November 19, 2014 4:00 PM  
To: DEEP Nddbrequest  
Cc: Nicole Castro  
Subject: Proposed Verizon Wireless Southington East Street a/k/a Meriden Relo. Facility, 99 East Street, Southington

Good afternoon,

Please find enclosed a NDDDB Review Request for a proposed Verizon Wireless facility at 99 East Street in Southington.

Please feel free to contact me with any questions or if you require additional information.

Thank you,  
Dean

Dean E. Gustafson  
Professional Soil Scientist  
Senior Wetland Scientist  
[cid:image003.jpg@01D00412.07570410]  
3 Saddlebrook Drive  
Killingworth, CT 06419  
860.984.9515 (mobile)  
860.663.1697 ext. 201 (office)  
dgustafson@allpointstech.com<<mailto:dgustafson@allpointstech.com>>



# Request for Natural Diversity Data Base (NDDB) State Listed Species Review

All requesters must completely fill out Parts I - VII of this form and submit Attachments A and B, or the request will be rejected as incomplete.  
**There are no fees associated with NDDB Reviews.**

DEP USE ONLY	
Request No.	_____
Hardcopy _____	Electronic files _____

## Part I: Preliminary Screening

Before submitting this request, you must review the Natural Diversity Data Base "State and Federal Listed Species and Significant Natural Communities Maps" found on the [DEP website](#). Follow the instructions on the map or in this form's instruction document. These maps are updated twice a year, usually in June and December.

Does your site, including all affected areas, meet the screening criteria according to the instructions:

Yes     No

Enter the date of the map reviewed for pre-screening: June 2014

## Part II: Requester Information

*\*If the requester is a corporation, limited liability company, limited partnership, limited liability partnership, or a statutory trust, it must be registered with the Secretary of State. If applicable, the company name shall be stated **exactly** as it is registered with the Secretary of State.*

*If the requester is an individual, provide the legal name (include suffix) in the following format: First Name; Middle Initial; Last Name; Suffix (Jr, Sr., II, III, etc.).*

### 1. Requester Company Name\*: **Cellco Partnership and its controlled affiliates doing business as**

Name: **Verizon Wireless**

Address: **6 Campus Circle, Suite 500**

City/Town: **Westlake**

State: **TX**

Zip Code: **76272**

Business Phone:

ext.

Fax:

Requester can best be described as:

Business Entity     Federal Agency     Municipal govt.     State agency     Individual

Tribe     Other (specify):

Acting as (Affiliation), pick one:

Property owner     Consultant     Engineer     Facility owner     Applicant

Biologist     Pesticide Applicator     Other representative (specify):

### 2. List Primary Contact to receive Natural Diversity Data Base correspondence and inquiries, if different from requester.

Company: **All-Points Technology Corporation, P.C.**

Contact Person: **Dean Gustafson**

Title: **Senior Environmental Scientist**

Mailing Address: **30 Bogg Lane**

City/Town: **Lebanon**

State: **CT**

Zip Code: **06249**

Business Phone: **860-663-1697**

ext. **201**

Fax:

Email: **dgustafson@allpointstech.com**

**Part II: Requester Information (continued)**

Affiliation of primary contact, check one:  Property owner  Consultant  Engineer  
 Facility owner  Applicant  Biologist  Pesticide Applicator  
 Other representative (specify):

**3. Project Type:**  
Choose Project Type: Cellular/Communications tower installation/maint. , If other describe: \_\_\_\_\_

**Part III: Site Information**

This request can only be completed for one site. A separate request must be filed for each additional site.

**1. Site Location**  
Site Name or Project Name: **Southington East Street a/k/a Meriden Relo**  
Town(s): **Southington**  
Street Address or Location Description:  
**99 East Street**  
Size in acres, or site dimensions: **27 acres**  
Latitude and longitude of the center of the site in decimal degrees (e.g., 41.23456 -71.68574):  
Latitude: **41.583644** Longitude: **-72.864686**  
Method of coordinate determination (check one):  
 GPS  Photo interpolation using CTECO map viewer  Other (specify): **survey**

2a. Describe the current land use and land cover of the site.  
**The subject parcel is currently occupied by several cultivated agricultural fields, a leaf composting operation and complexes of upland and wetland forested areas. Wetland areas that support vernal pool breeding habitat are located interior to the forested areas.**

b. Check all that apply and enter the size in acres or % of area in the space after each checked category.  
 Industrial/Commercial \_\_\_\_\_  Residential \_\_\_\_\_  Forest 65%  
 Wetland 25%  Field/grassland \_\_\_\_\_  Agricultural 35%  
 Water \_\_\_\_\_  Utility Right-of-way \_\_\_\_\_  
 Transportation Right-of-way \_\_\_\_\_  Other (specify): \_

**Part IV: Project Information**

1. Is the subject activity limited to the maintenance, repair, or improvement of an existing structure within the existing footprint?  Yes  No If yes, explain.

## Part IV: Project Information (continued)

2. Give a detailed description of the activity which is the subject of this request and describe the methods and equipment that will be used.

**Verizon Wireless is proposing to construct a 97-foot tall stealth structure pine tree (monopine) communications tower located at the edge of a cultivated field. A proposed 12 foot wide gravel access drive will provide access to the facility from East Street generally along an existing dirt access through a leaf composting operation and cultivated agricultural field. The 50-foot by 50-foot gravel base compound will be surrounded by a 6-foot high chain link fence housing a 12 foot by 30 foot equipment shelter that will include a propane fueled emergency power generator. Typical equipment used to construct this facility include excavator, crane, various sized trucks and support vehicles. Typical methods include cutting of pavement, excavation/forming/pouring of concrete tower foundation, erection of tower, construction of compound and installation of equipment shelter, generator and supporting electrical equipment.**

3. Provide a contact for questions about the project details if different from Part II primary contact.

Name:

Phone:

Email:

## Part V: Request Type and Associated Application Type

Check *one* box from either Group 1 or Group 2, indicating the appropriate category for this request.

**Group 1.** If you check one of these boxes, fill out Parts I – VII of this form and submit the required attachments A and B.

- Preliminary screening was negative but an NDDB review is still requested
- Request regards a municipally regulated or unregulated activity (no state permit/certificate needed)
- Request regards a preliminary site assessment or project feasibility study
- Request relates to land acquisition or protection
- Request is associated with a *renewal* of an existing permit, with no modifications

**Group 2.** If you check one of these boxes, fill out Parts I – VII of this form and submit required attachments A, B, and C.

- Request is associated with a *new* state or federal permit application
- Request is associated with modification of an existing permit
- Request is associated with a permit enforcement action
- Request regards site management or planning, requiring detailed species recommendations
- Request regards a state funded project, state agency activity, or CEPA request

If you are filing this request as part of a state or federal permit application enter the application information below.

Permitting Agency and Application Name:

**Connecticut Siting Council, Certificate of Environmental Compatibility and Public Need**

State DEP Application Number, if known: **N/A**

State DEP Enforcement Action Number, if known: **N/A**

State DEP Permit Analyst/Engineer, if known: **N/A**

Is this request related to a previously submitted NDDB request?  Yes  No

Enter the previous NDDB Request Number(s), if known: \_\_\_\_\_


## Part VI: Supporting Documents

Please check each attachment submitted as verification that *all* applicable attachments have been supplied with this request form. Label each attachment as indicated in this part (e.g., Attachment A, etc.) and be sure to include the requester's name, site name and the date. **Please note that Attachments A and B are required for all requesters.** Attachment C (DEP-APP-007C) is supplied at the end of this form.

<input checked="" type="checkbox"/> Attachment A:	<b>Overview Map:</b> an 8 1/2" X 11" print/copy of the relevant portion of a USGS Topographic Quadrangle Map clearly indicating the exact location of the site.
<input checked="" type="checkbox"/> Attachment B:	<b>Detailed Site Map:</b> fine scaled map showing site boundary details on aerial imagery with relevant landmarks labeled. (Site boundaries in GIS [ESRI ArcView shapefile, in NAD83, State Plane, feet] format can be substituted for detailed maps, see instruction document)
<input checked="" type="checkbox"/> Attachment C:	<b>Supplemental Information, Group 2 requirement (attached, DEP-APP-007C)</b> <input checked="" type="checkbox"/> Section i: Supplemental Site Information and supporting documents <input checked="" type="checkbox"/> Section ii: Supplemental Project Information and supporting documents

## Part VII: Requester Certification

The requester *and* the individual(s) responsible for actually preparing the request must sign this part. A request will be considered incomplete unless all required signatures are provided.

<p>"I have personally examined and am familiar with the information submitted in this document and all attachments thereto, and I certify that based on reasonable investigation, including my inquiry of the individuals responsible for obtaining the information, the submitted information is true, accurate and complete to the best of my knowledge and belief."</p>	
	<b>November 17, 2014</b>
Signature of Requester	Date
<b>Dean Gustafson</b>	<b>Senior Environmental Scientist</b>
Name of Requester (print or type)	Title (if applicable)
Signature of Preparer (if different than above)	Date
Name of Preparer (print or type)	Title (if applicable)

Note: Please submit the completed Request Form and all Supporting Documents to:

CENTRAL PERMIT PROCESSING UNIT  
 DEPARTMENT OF ENVIRONMENTAL PROTECTION  
 79 ELM STREET  
 HARTFORD, CT 06106-5127

Or email request to: [dep.nddbrequest@ct.gov](mailto:dep.nddbrequest@ct.gov)

# Attachment C: Supplemental Information, Group 2 requirement

## Section i: Supplemental Site Information

**1. Existing Conditions**

Describe all natural and man-made features including wetlands, watercourses, fish and wildlife habitat, floodplains and any existing structures potentially affected by the subject activity. Such features should be depicted and labeled on the site plan that must be submitted. Photographs of current site conditions may be helpful to reviewers.

**No wetlands or watercourses will be disturbed by the proposed development. The proposed access and facility will be located primarily within an agricultural field with the northern corner of the facility being located within an early successional/old field, edge forest upland area. Collectively, the development constitutes approximately 0.3 acre of disturbance primarily within existing disturbed areas. The nearest wetland resources are associated with the northern corner of the proposed compound area grading limits (approxiatmely 100 feet south of Wetland 1).**

Site Photographs (optional) attached

Site Plan/sketch of existing conditions attached

**2. Biological Surveys**

Has a biologist visited the site and conducted a biological survey to determine the presence of any endangered, threatened or special concern species  Yes  No

If yes, complete the following questions and submit any reports of biological surveys, documentation of the biologist's qualifications, and any NDDB survey forms.

Biologist(s) name:

Habitat and/or species targeted by survey:

Dates when surveys were conducted:

Reports of biological surveys attached

Documentation of biologist's qualifications attached

NDDB Survey forms for any listed species observations attached

## Section ii: Supplemental Project Information

1. Provide a schedule for all phases of the project including the year, the month and/or season that the proposed activity will be initiated and the duration of the activity.

**The proposed construction project is anticipated to extend over a period of 2 to 3 months. Start of construction will be developed pending approval from the Connecticut Siting Council.**

2. Describe and quantify the proposed changes to existing conditions and describe any on-site or off-site impacts. In addition, provide an annotated site plan detailing the areas of impact and proposed changes to existing conditions.

**Approximately 0.2 acre of agricultural field would be developed as a result of the proposed wireless telecommunications facility's access drive and approximately 0.1 acre of early successional/old field, edge forest upland would be developed by the facility compound.**

Annotated Site Plan attached

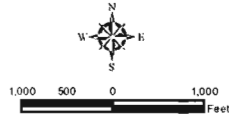




**Legend**

- Site
- ▨ Natural Diversity Database (updated June 2014)
- Municipal Boundary

**Map Notes:**  
 Base Map Source: USGS 7.5 Minute Topographic Quadrangle  
 Maps, Meriden and Southington CT (1992)  
 Site located on the Meriden Quadrangle  
 Map Scale: 1:24,000  
 Map Date: November 2014



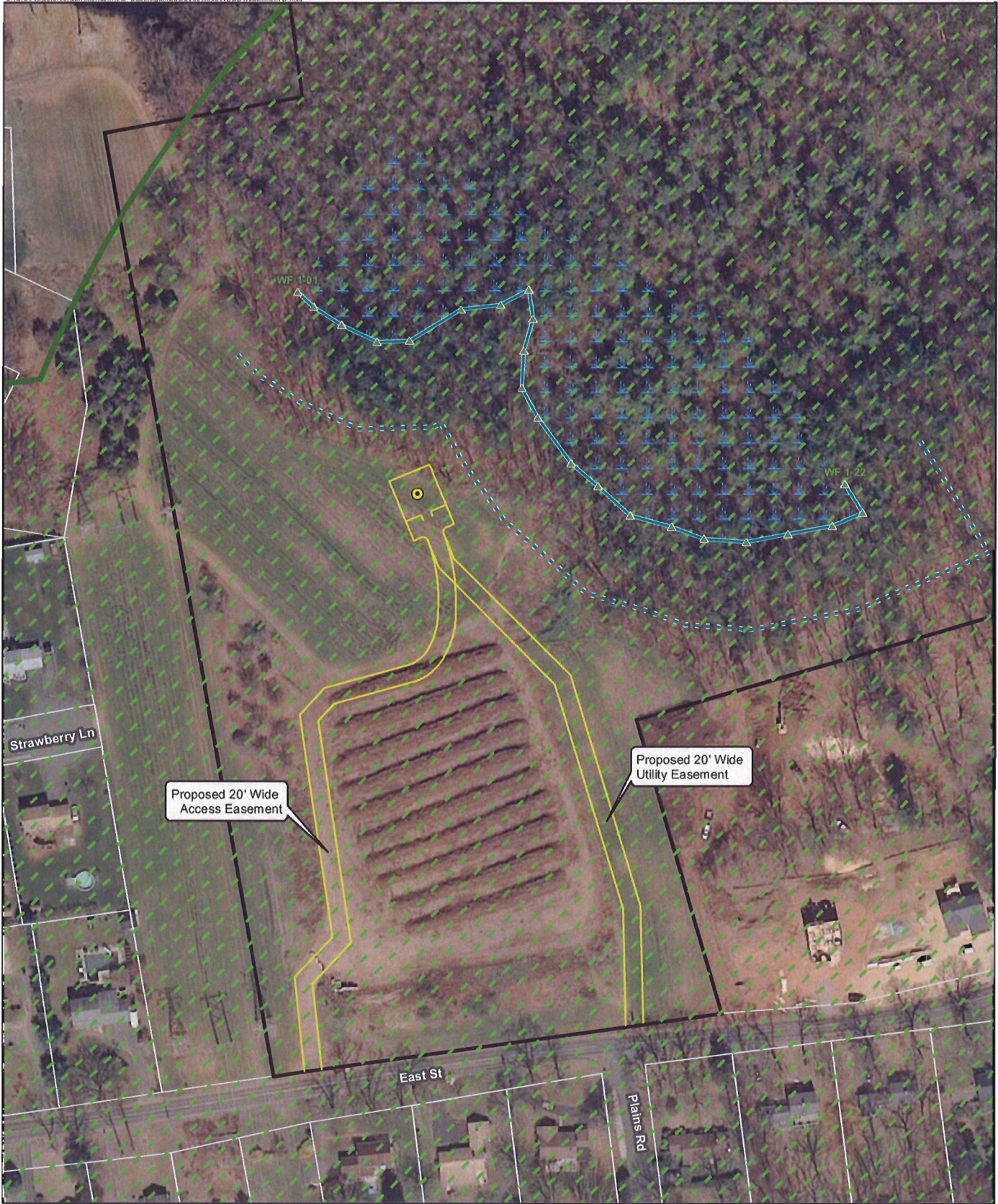
**Attachment A: Overview Map**












Proposed Wireless  
 Telecommunications Facility  
 Southington East Street a/k/a Meriden Relo  
 99 East Street  
 Southington, Connecticut



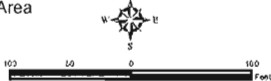




**Legend**

-  Proposed Stealth Structure Pine Tree
-  Proposed Facility Layout
-  Approximate Subject Parcel Boundary
-  Approximate Parcel Boundary (CTDEEP)
-  Wetland Flag
-  Natural Diversity Database (updated June 2014)
-  Delineated Wetland Boundary
-  100' Wetland / Vernal Pool Buffer
-  Wetland Area

*Map Notes:*  
 Base Map Source: 2012 Aerial Photograph (CTECO)  
 Map Scale: 1:1,800  
 Map Date: November 2014



**Attachment A: Overview Map**



Proposed Wireless  
 Telecommunications Facility  
 Southington East Street a/k/a Meriden Relo  
 99 East Street  
 Southington, Connecticut







Photo 1: View of proposed tower site along west side of cultivated field, looking east. Photo date: May 3, 2014.



Photo 2: View of proposed tower site along west side of cultivated field, looking west. Photo date: May 3, 2014.





Photo 3: View of cultivated field and existing dirt access with Town of Southington leaf composting operation in background, looking south. Photo date: May 3, 2014.



Photo 4: View of existing gravel drive off East Street (in background), looking south. Photo date: May 3, 2014.



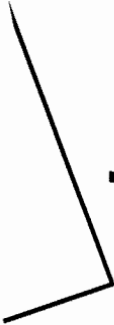


Photo 5: Overview of wetland system located east of proposed tower site, looking northeast.  
Photo date: May 3, 2014.



Photo 6: Overview of wetland system located east of proposed tower site, looking north.  
Photo date: May 3, 2014.

Cellco Partnership



d.b.a. **verizon** wireless  
**WIRELESS COMMUNICATIONS FACILITY**  
**SOUTHINGTON - EAST STREET**  
**99 EAST STREET**  
**SOUTHINGTON, CT 06489**

**SITE DIRECTIONS**

FROM: IN EAST MAIN STREET TO: 99 EAST STREET SOUTHINGTON, CONNECTICUT

1. HEAD EAST ON E MAIN ST TO TOWN OF SOUTHINGTON ST  
 2. TURN LEFT TO GO ON E MAIN ST  
 3. TURN LEFT TO GO ON EAST STREET  
 4. TURN LEFT TO MAKE RIGHT TURN  
 5. MAKE RIGHT TURN ON CT-10/ROUSE ST  
 6. TURN LEFT ON CT-100/ROUSE ST  
 7. TURN LEFT ON EAST ST, AND THE DESTINATION WILL BE ON THE LEFT

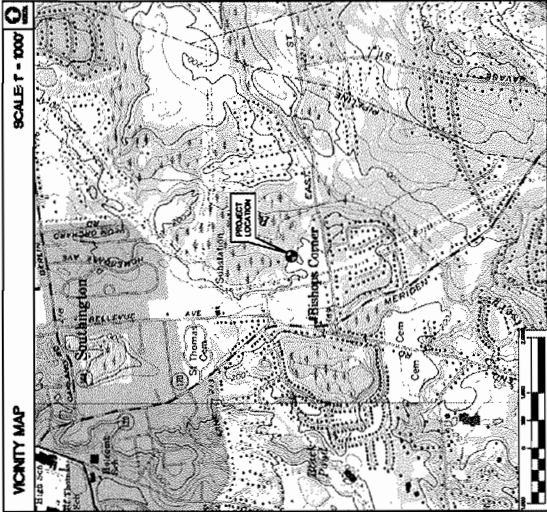
**GENERAL NOTES**

1. PROPOSED ANTENNA LOCATIONS AND HEIGHTS PROVIDED BY CELCO PARTNERSHIP.

**SITE INFORMATION**

THE SCOPE OF WORK SHALL INCLUDE:

1. THE CONSTRUCTION OF A 30'x50' FENCED WIRELESS COMMUNICATIONS COMPOUND.
2. A TOTAL OF UP TO THREE (3) ANTENNAS ARE PROPOSED TO BE MOUNTED ON THE EXISTING BUILDING.
3. ALL ANTENNAS SHALL BE MOUNTED ON THE EXISTING BUILDING.
4. THE PROPOSED WIRELESS COMMUNICATIONS FACILITY SHALL BE LOCATED WITHIN THE PROPOSED FENCED COMPOUND. THE PROPOSED FENCED COMPOUND SHALL BE BUILT TO THE PROPOSED FENCED COMPOUND. THE PROPOSED FENCED COMPOUND SHALL BE BUILT TO THE PROPOSED FENCED COMPOUND. THE PROPOSED FENCED COMPOUND SHALL BE BUILT TO THE PROPOSED FENCED COMPOUND.
5. THE PROPOSED WIRELESS COMMUNICATIONS FACILITY SHALL BE LOCATED WITHIN THE PROPOSED FENCED COMPOUND. THE PROPOSED FENCED COMPOUND SHALL BE BUILT TO THE PROPOSED FENCED COMPOUND.
6. THERE SHALL NOT BE ANY LIGHTING UNLESS REQUIRED BY THE FIC OR THE FAA.
7. THERE SHALL NOT BE ANY SIGNS OR ADVERTISING ON THE ANTENNAS OR EQUIPMENT.



**PROJECT SUMMARY**

**SITE NAME:** SOUTHINGTON - EAST STREET  
**SITE ADDRESS:** 99 EAST STREET, SOUTHINGTON, CT 06489  
**PROPERTY OWNER:** TOWN OF SOUTHINGTON  
**LESSOR/TENANT:** 75 MAIN STREET, SOUTHINGTON, CT 06489  
**CONTACT PERSON:** SHERYL CARTER, CELLCO PARTNERSHIP, 99 EAST MAIN STREET, SOUTHINGTON, CT 06489  
**TOWER COORDINATES:** UTM: 18QUC 451117, 77 21 20.887  
**GROUND ELEVATION:** 198.2' ASL.  
**COORDINATES AND GROUND ELEVATION (BASED ON FAA METHODOLOGY) FOR THE PROPOSED ANTENNA LOCATIONS:** ANTENNA 1: 18QUC 451117, 77 21 20.887, 198.2' ASL. ANTENNA 2: 18QUC 451117, 77 21 20.887, 198.2' ASL. ANTENNA 3: 18QUC 451117, 77 21 20.887, 198.2' ASL.  
**DATE:** AUGUST 12, 2014, REVISED OCTOBER 20, 2014.

**SHEET INDEX**

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C-7	SHIELDER FOUND PLAN, DETAILS AND NOTES	1

Cellco Partnership  
 WIRELESS COMMUNICATIONS FACILITY  
 99 EAST STREET  
 SOUTHINGTON - EAST STREET  
 SOUTHINGTON, CT 06489

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 800.452.4529  
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 203.261.4800  
 203.261.4800  
 203.261.4800

CREATED BY: [Name]  
 CHECKED BY: [Name]  
 DATE: 10/28/14  
 DRAWN BY: [Name]  
 DATE: 10/28/14  
 REVISIONS:

PROFESSIONAL ENGINEER SEAL

d.b.a. Verizon Wireless  
 Cellco Partnership

TITLE SHEET  
 T-1



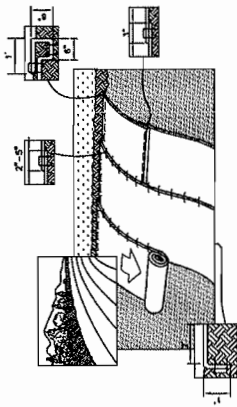




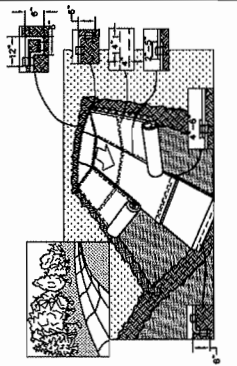




**EROSION CONTROL BLANKET STABILIZATION**



**3 TYPICAL EROSION MAT INSTALLATION ON SLOPE**  
C-3 NOT TO SCALE



**4 TYPICAL EROSION MAT INSTALLATION IN CHANNEL**  
C-3 NOT TO SCALE

**STABILIZATION CRITERIA**

1. CONTRACTOR SHALL MAINTAIN EROSION CONTROL BLANKET SLOPE STABILIZATION & SMALL CONSTRUCTION WHEN STABLE EARTH CUTS ARE PRESENT (ON EXISTING BERMED LOSES OR UNDER CONDITIONS OF SEVERE EROSION)

**STABILIZATION PRODUCT SPECIFICATION**

NORTH AMERICAN GREEN, PRODUCT NUMBER S1008N, 12 MONTH BIODEGRADABLE

**EROSION MAT ON LOSSES**

1. PREPARE SOIL BEFORE INSTALLING BLANKETS, INCLUDING ANY NECESSARY APPLICATION OF LIME, FERTILIZER, AND SEED.
2. NOTE: WHEN USING CELL-O-SEED DO NOT SEED PREPARED AREA. CELL-O-SEED MUST BE INSTALLED WITH PAPER SIDE DOWN.
3. BEGAN AT THE TOP OF THE SLOPE BY ANCHORING THE BLANKET TO A ROW OF STAPLES/STAKES APPROXIMATELY 12" APART IN THE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING. APPLY SEED TO COMPACTED SOIL AND FOLD REMAINING 12" PORTION OF BLANKET BACK OVER SEED AND COMPACTED SOIL. SECURE BLANKET OVER COMPACTED SOIL WITH A ROW OF STAPLES/STAKES SPACED APPROXIMATELY 12" APART ACROSS THE WIDTH OF THE BLANKET.
4. REEL THE BLANKET DOWN OR HORIZONTALLY ACROSS THE SLOPE. BLANKET WILL UNROLL WITH APPROXIMATE SOLE AGAINST THE SOIL SURFACE. ALL ROLLED EROSION CONTROL BLANKETS MUST BE SECURELY FASTENED TO SOIL SURFACE BY PLACING STAPLES/STAKES IN APPROPRIATE LOCATIONS AS SHOWN IN THE STAPLE PATTERN GUIDE. THE DOT SYSTEM(S), STAPLES/STAKES SHOULD BE PLACED THROUGH EACH OF THE COLORED DOTS CORRESPONDING TO THE APPROPRIATE STAPLE PATTERN.
5. THROUGHOUT EROSION CONTROL, BLANKETS MUST BE STAPLED WITH APPROXIMATELY A 2"-3" OVERLAP DEPENDING ON BLANKET TYPE.
6. THE EDGES OF PARALLEL BLANKETS MUST BE STAPLED WITH APPROXIMATELY A 2"-3" OVERLAP DEPENDING ON BLANKET TYPE.
7. THROUGHOUT OVERLAP AREA, APPROXIMATELY 12" APART ACROSS ENTIRE BLANKET WIDTH.
8. \* IN LOOSE SOIL CONDITIONS, THE USE OF STAPLES OR STAKE LENGTHS GREATER THAN 8" MAY BE NECESSARY TO PROPERLY SECURE THE BLANKET.
9. BLANKET BLANKETS MUST BE OVERLAPPED APPROXIMATELY 2'-5" AND STAPLED TO ENSURE PROPER SOAM ALONGSIDE. PLACE THE EDGE OF THE OVERLAPPING BACKFILL AND COMPACT THE TRENCH AFTER STAPLING. APPLY SEED TO COMPACTED SOIL AND FOLD REMAINING 12" PORTION OF BLANKET BACK OVER SEED AND COMPACTED SOIL. SECURE BLANKET OVER COMPACTED SOIL WITH A ROW OF STAPLES/STAKES SPACED APPROXIMATELY 12" APART ACROSS THE WIDTH OF THE BLANKET.
10. PLACE BLANKET IN POSITION OF WATER FLOW IN STREAM OR CHANNEL. BLANKETS WILL UNROLL WITH APPROPRIATE SOLE AGAINST THE SOIL SURFACE. ALL BLANKETS MUST BE SECURELY FASTENED TO SOIL SURFACE BY PLACING STAPLES/STAKES IN APPROPRIATE LOCATIONS AS SHOWN IN THE STAPLE PATTERN GUIDE. WHEN USING THE DOT SYSTEM(S), STAPLES/STAKES SHOULD BE PLACED THROUGH EACH OF THE COLORED DOTS CORRESPONDING TO THE APPROPRIATE STAPLE PATTERN.
11. PLACE CONNECTING BLANKETS END OVER END (SIMPLE STYLE) WITH A 4"-6" OVERLAP. USE A DOUBLE ROW OF STAPLES/STAKES APPROXIMATELY 4" APART AND 4" ON CENTER TO SECURE BLANKETS.
12. EDGE OF SOLE BLANKETS MUST BE ANCHORED WITH A ROW OF STAPLES/STAKES APPROXIMATELY 12" APART IN A 6" DEEP BY 6" WIDE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING.
13. BLANKETS MUST BE OVERLAPPED APPROXIMATELY 2'-5" AND STAPLED TO ENSURE PROPER SOAM ALONGSIDE. PLACE THE EDGE OF THE OVERLAPPING BLANKET (BLANKET BEING INSTALLED ON TOP) DOWN WITH THE COLORED SEAM STITCH(N) ON THE BLANKET BEING OVERLAPPED.
14. THE TRENCH END OF THE BLANKETS MUST BE ANCHORED WITH A ROW OF STAPLES/STAKES APPROXIMATELY 12" APART IN A 6" DEEP BY 6" WIDE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING.
15. REFER TO MANUFACTURERS STAPLE GUIDE FOR CORRECT STAPLE PATTERN. MINIMUM 4 SPACES PER ONE SQ. FT. THE CONTRACTOR SHALL MAINTAIN THE BLANKET UNTIL ALL WORK ON THE CONTRACT HAS BEEN COMPLETED AND ACCEPTED. MAINTENANCE SHALL CONSIST OF THE REPAIR OF AREAS WHERE DAMAGED BY ANY UNAUTHORIZED PERSONS OR VEHICLES. MAINTENANCE SHALL CONSIST OF THE REPAIR OF AREAS WHERE DAMAGED BY ANY UNAUTHORIZED PERSONS OR VEHICLES. MAINTENANCE SHALL CONSIST OF THE REPAIR OF AREAS WHERE DAMAGED BY ANY UNAUTHORIZED PERSONS OR VEHICLES. MAINTENANCE SHALL CONSIST OF THE REPAIR OF AREAS WHERE DAMAGED BY ANY UNAUTHORIZED PERSONS OR VEHICLES.

**EROSION MAT IN CHANNEL**

1. PREPARE SOIL BEFORE INSTALLING BLANKETS, INCLUDING ANY NECESSARY APPLICATION OF LIME, FERTILIZER, AND SEED.
2. BEGAN AT THE TOP OF THE CHANNEL, BY ANCHORING THE BLANKET IN A 6" DEEP BY 6" WIDE TRENCH WITH APPROXIMATELY 12" OF BLANKET EXTENDED BEYOND THE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING. APPLY SEED TO COMPACTED SOIL AND FOLD REMAINING 12" PORTION OF BLANKET BACK OVER SEED AND COMPACTED SOIL. SECURE BLANKET OVER COMPACTED SOIL WITH A ROW OF STAPLES/STAKES SPACED APPROXIMATELY 12" APART ACROSS THE WIDTH OF THE BLANKET.
3. PLACE BLANKET IN POSITION OF WATER FLOW IN STREAM OR CHANNEL. BLANKETS WILL UNROLL WITH APPROPRIATE SOLE AGAINST THE SOIL SURFACE. ALL BLANKETS MUST BE SECURELY FASTENED TO SOIL SURFACE BY PLACING STAPLES/STAKES IN APPROPRIATE LOCATIONS AS SHOWN IN THE STAPLE PATTERN GUIDE. WHEN USING THE DOT SYSTEM(S), STAPLES/STAKES SHOULD BE PLACED THROUGH EACH OF THE COLORED DOTS CORRESPONDING TO THE APPROPRIATE STAPLE PATTERN.
4. PLACE CONNECTING BLANKETS END OVER END (SIMPLE STYLE) WITH A 4"-6" OVERLAP. USE A DOUBLE ROW OF STAPLES/STAKES APPROXIMATELY 4" APART AND 4" ON CENTER TO SECURE BLANKETS.
5. EDGE OF SOLE BLANKETS MUST BE ANCHORED WITH A ROW OF STAPLES/STAKES APPROXIMATELY 12" APART IN A 6" DEEP BY 6" WIDE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING.
6. BLANKETS MUST BE OVERLAPPED APPROXIMATELY 2'-5" AND STAPLED TO ENSURE PROPER SOAM ALONGSIDE. PLACE THE EDGE OF THE OVERLAPPING BLANKET (BLANKET BEING INSTALLED ON TOP) DOWN WITH THE COLORED SEAM STITCH(N) ON THE BLANKET BEING OVERLAPPED.
7. THE TRENCH END OF THE BLANKETS MUST BE ANCHORED WITH A ROW OF STAPLES/STAKES APPROXIMATELY 12" APART IN A 6" DEEP BY 6" WIDE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING.
8. REFER TO MANUFACTURERS STAPLE GUIDE FOR CORRECT STAPLE PATTERN. MINIMUM 4 SPACES PER ONE SQ. FT. THE CONTRACTOR SHALL MAINTAIN THE BLANKET UNTIL ALL WORK ON THE CONTRACT HAS BEEN COMPLETED AND ACCEPTED. MAINTENANCE SHALL CONSIST OF THE REPAIR OF AREAS WHERE DAMAGED BY ANY UNAUTHORIZED PERSONS OR VEHICLES. MAINTENANCE SHALL CONSIST OF THE REPAIR OF AREAS WHERE DAMAGED BY ANY UNAUTHORIZED PERSONS OR VEHICLES. MAINTENANCE SHALL CONSIST OF THE REPAIR OF AREAS WHERE DAMAGED BY ANY UNAUTHORIZED PERSONS OR VEHICLES.

**MAINTENANCE**

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**GENERAL CONSTRUCTION / PRE-CONSTRUCTION NOTES**

1. PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION ACTIVITIES, A MAINTENANCE PLAN FOR EROSION CONTROL, INCLUDING THE PRODUCT EROSION AND SEDIMENTATION CONTROL/ADMINISTRATIVE MONITOR AND THE DATES OF RECORD.

**GENERAL CONSTRUCTION SEQUENCE**

- THIS IS A GENERAL CONSTRUCTION SEQUENCE OUTLINE SOME ITEMS OF WHICH MAY NOT APPLY TO PARTICULAR SITES.
1. CUT AND STUMP AREAS OF PROPOSED CONSTRUCTION.
  2. INSTALL TEMPORARY SEDIMENT AND EROSION CONTROL MEASURES AS REQUIRED.
  3. REMOVE AND STOCKPILE TOPSOIL. STOCKPILE SHALL BE STORED TO PREVENT EROSION.
  4. CONTRACTOR TO MAINTAIN EXISTING PERMETENT CHANNELS AND CATCH BASINS WITH SEDIMENTATION MEASURES.
  5. CONTRACTOR TO MAINTAIN EXISTING PERMETENT CHANNELS AND CATCH BASINS WITH SEDIMENTATION MEASURES.
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  7. CONTRACTOR TO MAINTAIN EXISTING PERMETENT CHANNELS AND CATCH BASINS WITH SEDIMENTATION MEASURES.
  8. DAILY OR AS REQUIRED, CONTRACTOR TO MAINTAIN EXISTING PERMETENT CHANNELS AND CATCH BASINS WITH SEDIMENTATION MEASURES.
  9. BEGIN DEMONSTRATION FOR AND CONSTRUCTION OF TOWERS AND PLATINGS.
  10. COMPLETE PERMANENT SEEDING AND LANDSCAPING.
  11. NO FLOW SHALL BE DIVERTED TO ANY WETLANDS UNTIL A HEALTHY STAND OF GRASS HAS BEEN ESTABLISHED IN REPAIRED AREAS.
  12. AFTER GRASS HAS BEEN FULLY ESTABLISHED IN ALL SEVERED AREAS, REMOVE ALL TEMPORARY EROSION CONTROL MEASURES.

**SOIL EROSION AND SEDIMENT CONTROL SEQUENCE**

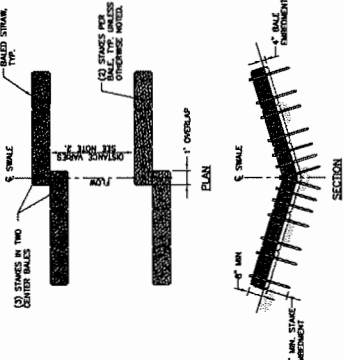
1. ALL SOIL EROSION AND SEDIMENT CONTROL MEASURES, SUCH AS CONSTRUCTION ENTRANCE / WITH TRACKING PAD, SLOTTED FENCE AND SEDIMENT TRAP / WITH SILENCE SHALL BE IN PLACE PRIOR TO ANY CONSTRUCTION ACTIVITY.
2. THE ENTRANCE TO THE PROJECT SITE IS TO BE PROTECTED BY STONE AND TRACKING PAD OF ASTM C-113 SIZE GRANULAR FILL. THE TRACKING PAD IS TO BE MAINTAINED AT ALL TIMES THROUGHOUT THE CONSTRUCTION PERIOD.
3. LAND DISTURBANCE SHALL BE KEPT TO A MINIMUM AND RESTORATION SHALL BE SCHEDULED AS SOON AS PRACTICAL.
4. ALL SOIL EROSION AND SEDIMENT CONTROL WORK SHALL BE DONE IN STRICT ACCORDANCE WITH THE CONNECTICUT EROSION CONTROL AND SEDIMENT CONTROL REGULATIONS. THE LATEST DATE FROM THE COUNCIL OF SOIL AND WATER CONSERVATION.
5. ANY ADDITIONAL EROSION/SEDIMENTATION CONTROL DEVICES NECESSARY TO KEEP STAFF DURING CONSTRUCTION, SHALL BE INSTALLED BY THE CONTRACTOR. IN ADDITION, THE DEVELOPER SHALL BE RESPONSIBLE FOR PROVIDING THE NECESSARY EROSION/SEDIMENTATION CONTROL DEVICES TO THE SATISFACTION OF THE TOWN STAFF.
6. IN ALL AREAS, REMOVAL OF TREES, BUSHES AND OTHER VEGETATION AS WELL AS CONSERVATION OF THE SOIL IS TO BE MAINTAINED TO THE MAXIMUM EXTENT POSSIBLE. VEGETATION SHALL BE REPLANTED AS SOON AS POSSIBLE.
7. SLOTTED FENCE SHALL BE PLACED AS INDICATED BEFORE A CUT SLOPE HAS BEEN CREATED. SEDIMENT TRAPS SHALL BE INSTALLED AS INDICATED BEFORE A CUT SLOPE HAS BEEN CREATED. SEDIMENT TRAPS SHALL BE MAINTAINED THROUGHOUT THE CONSTRUCTION PERIOD. SEDIMENT TRAPS SHALL BE MAINTAINED THROUGHOUT THE CONSTRUCTION PERIOD.
8. SMALL DRAINAGE AREAS WILL BE PROTECTED WITH NEW SPASH PAD / ENERGY DISSIPATOR.
9. ALL FILL AREAS SHALL BE COMPACTED SUFFICIENTLY FOR THEIR INTENDED PURPOSE AND AS REQUIRED TO REDUCE SETTLEMENT. EROSION OF EXCESS SUBGRADE.
10. ALL CONSTRUCTION SHALL BE COMPLETED WITHIN THE SPECIFIED TIME FRAME. THE CONTRACTOR SHALL MAINTAIN ALL CONSTRUCTION AREAS TO PREVENT EROSION OF EXCESS SUBGRADE.
11. AFTER CONSTRUCTION IS COMPLETE AND GRASS HAS BEEN FULLY ESTABLISHED IN ALL SEVERED AREAS, REMOVE ALL TEMPORARY EROSION CONTROL MEASURES.

**CONSTRUCTION SPECIFICATIONS - SILT FENCE**

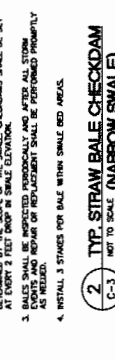
1. THE GEOTEXTILE FABRIC SHALL MEET THE DESIGN CRITERIA FOR SILT FENCES.
2. THE FABRIC SHALL BE EMBEDDED A MINIMUM OF 6 INCHES INTO THE GROUND AND THE SOIL COMPACTED OVER THE EMBEDDED FABRIC.
3. WORK WIRE FENCE SHALL BE FASTENED SECURELY TO THE FENCE POSTS WITH WIRE TIES OR STAPLES.
4. THE TOP TWO SECTIONS AND BOTTOM TWO SECTIONS OF THE WORK WIRE FENCE WITH TIES SPACED EVERY 24 HOURS AT EACH END OF EACH SECTION AND WITH TIES SPACED EVERY 24 HOURS AT EACH END OF EACH SECTION.
5. WHEN TWO SECTIONS OF FENCE JOIN, JOIN EACH OTHER. THEY SHALL BE OVERLAPPED BY 6 INCHES, FOLDED AND STAPLED.
6. FENCE POSTS SHALL BE A MINIMUM OF 36 INCHES LONG AND CROWN A MINIMUM OF 18 INCHES INTO THE GROUND. FENCE POSTS SHALL BE OF SOUND QUALITY PINEWOOD AND SHALL HAVE A MINIMUM CROSS SECTIONAL AREA OF 3.0 SQUARE INCHES.
7. MAINTENANCE SHALL BE PERFORMED AS NEEDED TO PREVENT BUILD UP IN THE SILT FENCE DUE TO DEPOSITION OF SEDIMENT.

**MAINTENANCE - SILT FENCE**

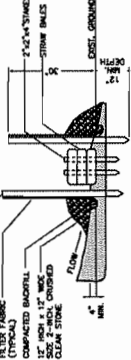
1. PERFORM MAINTENANCE AFTER EACH RAINFALL AND AT LEAST DAILY DURING PROLONGED PERIODS OF HEAVY RAINFALL.
2. IF THE FABRIC ON A SILT FENCE SHOULD BECOME SOAKEN OR OTHERWISE DAMAGED DURING THE EXPECTED LIFE OF THE FENCE, THE FABRIC SHALL BE REPLACED PROMPTLY.
3. SEDIMENT SHOULD BE REMOVED AFTER EACH RAINFALL AND AT LEAST DAILY DURING PROLONGED PERIODS OF HEAVY RAINFALL.
4. SEDIMENT DEPOSITS THAT ARE BARRICADES OR NOT IN PLACE AFTER THE FENCE HAS BEEN REPAIRED SHALL BE REMOVED TO CONFORM WITH THE DISTRICT TYPICALLY AND VEGETATED.



**1 SILT FENCE**  
C-3 NOT TO SCALE



**2 STRAW BALE CHECKDAM**  
C-3 NOT TO SCALE



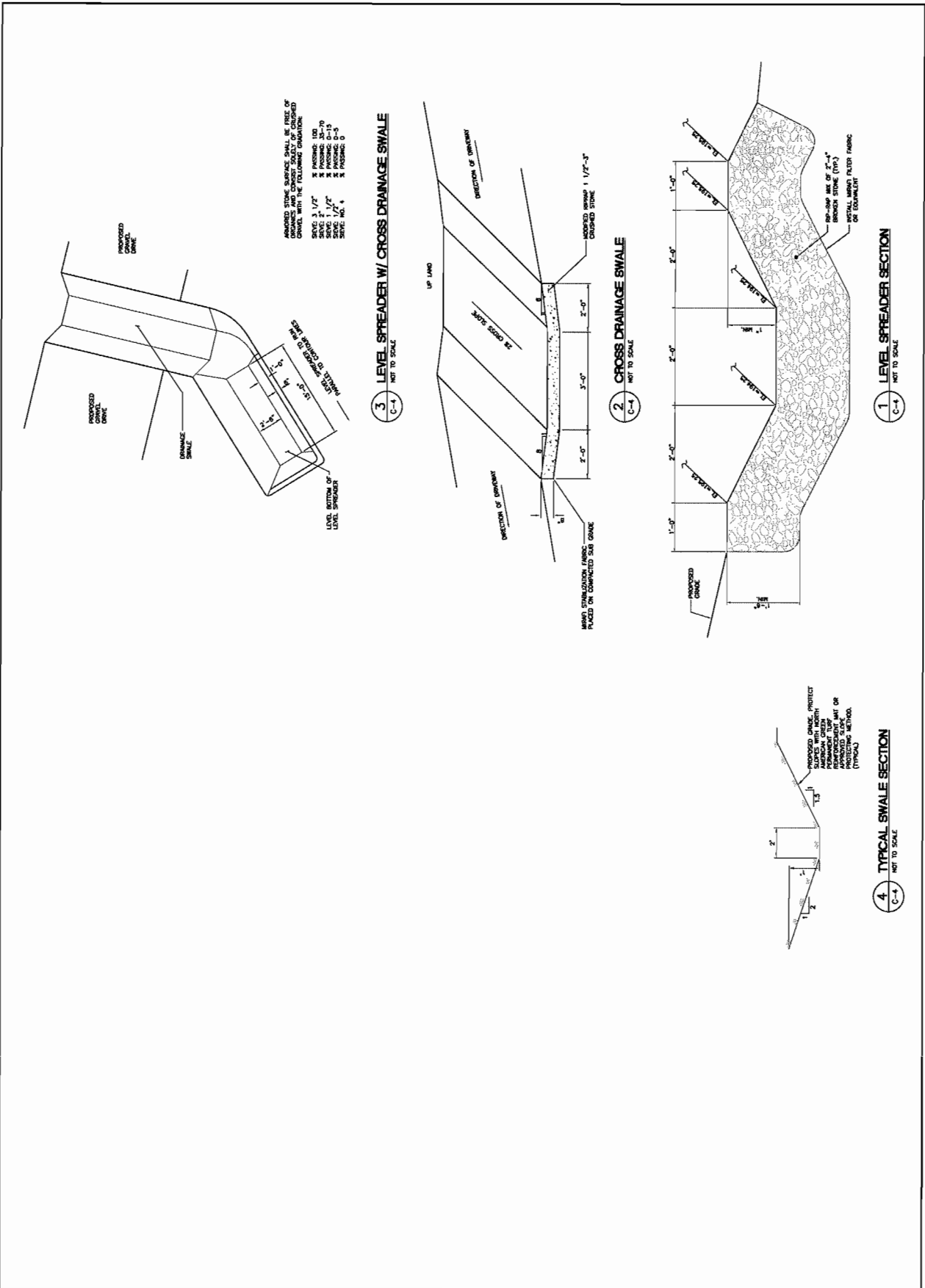
**3 SILTATION FENCE**  
C-3 NOT TO SCALE

**Colco Partnership d/b/a Vertzon Wireless**  
**90 EAST STREET**  
**SOUTHINGTON - EAST STREET**  
 WIRELESS COMMUNICATIONS FACILITY  
 SOUTHINGTON, CT 06489  
 www.Colco.com  
 Vertzon Wireless  
 1320 Main Street  
 Southington, CT 06489  
 (860) 233-4400  
 Vertzon Wireless  
 1320 Main Street  
 Southington, CT 06489  
 (860) 233-4400

DATE	07/17/14
SCALE	AS SHOWN
SHEET NO.	10000000

**SITE CONSTRUCTION**  
**SAE CONTROL**  
**NOTES & DETAILS**  
**C-3**  
 SHEET NO. 3 OF 3

REV.	DATE	BY	DESCRIPTION
1	10/29/14	MM	ISSUE FOR PERMIT
2	10/29/14	MM	ISSUE FOR PERMIT - GREAT ROCKS



REV.	DATE	BY	CHK'D BY	DESCRIPTION
1	02/25/14	MM	MM	ISSUED FOR PERMITS
2	02/25/14	MM	MM	ISSUED FOR PERMITS - CLEAN SHEET

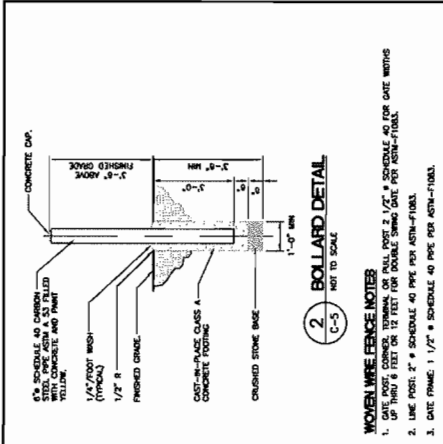
**Calco Partnership d/b/a Verizon Wireless**  
 WIRELESS COMMUNICATIONS FACILITY  
 99 EAST STREET  
 BURLINGTON CT 06899

**CityLink**  
 1000 WEST STREET  
 BURLINGTON CT 06899  
 860.433.3333  
 www.citylink.com

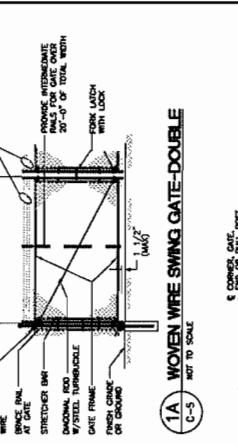
Prepared by: **Calco Partnership**  
 d/b/a Verizon Wireless

DATE: 10/15/14  
 SCALE: AS NOTED  
 SHEET NO.: 10000000  
 SHEET TITLE: **SITE DETAILS**

**C-5**



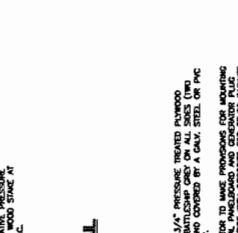
- WOMEN WIRE FENCE NOTE**
1. GATE FRAME SHALL BE 1 1/2" SCHEDULE 40 PIPE PER ASTM-F1363.
  2. GATE POSTS SHALL BE 2" SCHEDULE 40 PIPE PER ASTM-F1363.
  3. GATE FRAME SHALL BE 1 1/2" SCHEDULE 40 PIPE PER ASTM-F1363.
  4. TOP RAIL & BRACE RAIL: 1 1/2" SCHEDULE 40 PIPE PER ASTM-F1363.
  5. FENCE: 12 GA. COIL WIRE SIZE 2" MESH, CONFORMING TO ASTM-A325.
  6. FENCE WIRE: MINIMUM 11 GA. GALVANIZED STEEL AT POSTS AND RAILS A SINGLE WIND OF FENCE WIRE AND AT TUBES WIRE BY FIVE RINGS SPACED MAX. 24" INTERVAL.
  7. TUBES WIRE: 7 GA. GALVANIZED STEEL.
  8. FIVE RINGS SHOULD BE SPACED 12" ON CENTER TO MATCH W/BRACE RAIL.
  9. GATE LATCH: DROP DOWN LOCKABLE FORK LATCH AND LOCK, SETTED ASIDE FOR ALL SIZES AT A CORNER WELT.
  10. LOCAL ENHANCEMENT OF BARBED WIRE POINT REQUIREMENT SHALL BE COMPLIED WITH IF REQUIRED.
  11. COMPANIONED LENSURE HEIGHT = 8" VERTICAL + 1" BARBED WIRE VERTICAL DIMENSION.



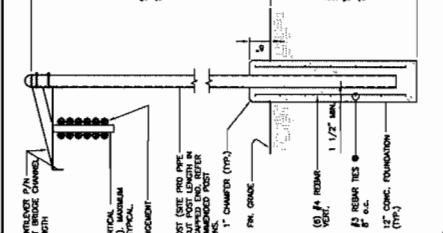
- 1A WOMEN WIRE SWING GATE-DOUBLE**  
 NOT TO SCALE
- 



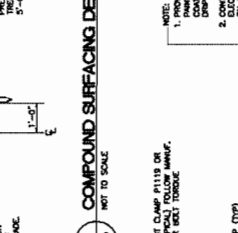
- 5 ICE BRIDGE DETAIL**  
 NOT TO SCALE
1. PROVIDE 3/4" PRESSURE TREATED ALUMINUM CHANNELS AND BRACE RAILS TO BE COVERED BY A GALV. STEEL TOP PIPE 2" DIA. O.D.
  2. CONSTRUCTOR TO MAKE PROVISIONS FOR ANCHORING ON ONE SIDE WITH CONCRETE FOR TIE-ROD CARRIER.



- 6 BARRIER GATE DETAIL**  
 NOT TO SCALE
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  2. GATE POSTS SHALL BE 2" SCHEDULE 40 PIPE PER ASTM-F1363.
  3. GATE FRAME SHALL BE 1 1/2" SCHEDULE 40 PIPE PER ASTM-F1363.
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  10. LOCAL ENHANCEMENT OF BARBED WIRE POINT REQUIREMENT SHALL BE COMPLIED WITH IF REQUIRED.
  11. COMPANIONED LENSURE HEIGHT = 8" VERTICAL + 1" BARBED WIRE VERTICAL DIMENSION.



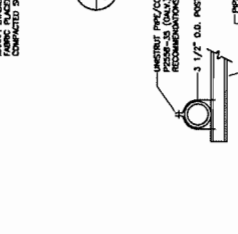
- 7 GRAVEL SURFACE PARKING AREA AND ACCESS DRIVE**  
 NOT TO SCALE
1. PROVIDE 3/4" PRESSURE TREATED ALUMINUM CHANNELS AND BRACE RAILS TO BE COVERED BY A GALV. STEEL TOP PIPE 2" DIA. O.D.
  2. CONSTRUCTOR TO MAKE PROVISIONS FOR ANCHORING ON ONE SIDE WITH CONCRETE FOR TIE-ROD CARRIER.



- 8 UTILITY SUPPORT FRAME (TYP)**  
 NOT TO SCALE
1. PROVIDE 3/4" PRESSURE TREATED ALUMINUM CHANNELS AND BRACE RAILS TO BE COVERED BY A GALV. STEEL TOP PIPE 2" DIA. O.D.
  2. CONSTRUCTOR TO MAKE PROVISIONS FOR ANCHORING ON ONE SIDE WITH CONCRETE FOR TIE-ROD CARRIER.



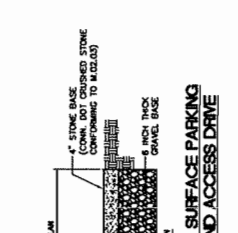
- 9 PROPANE TANK PAD DETAIL**  
 NOT TO SCALE
1. PROVIDE 3/4" PRESSURE TREATED ALUMINUM CHANNELS AND BRACE RAILS TO BE COVERED BY A GALV. STEEL TOP PIPE 2" DIA. O.D.
  2. CONSTRUCTOR TO MAKE PROVISIONS FOR ANCHORING ON ONE SIDE WITH CONCRETE FOR TIE-ROD CARRIER.



- 4 COMPOUND SURFACING DETAIL**  
 NOT TO SCALE
1. PROVIDE 3/4" PRESSURE TREATED ALUMINUM CHANNELS AND BRACE RAILS TO BE COVERED BY A GALV. STEEL TOP PIPE 2" DIA. O.D.
  2. CONSTRUCTOR TO MAKE PROVISIONS FOR ANCHORING ON ONE SIDE WITH CONCRETE FOR TIE-ROD CARRIER.



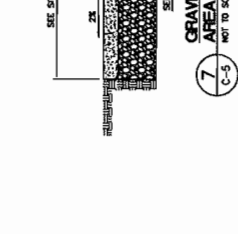
- 1 WOMEN WIRE FENCE DETAIL**  
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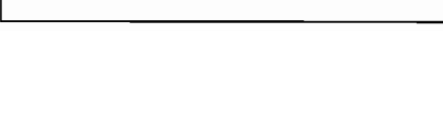
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  10. LOCAL ENHANCEMENT OF BARBED WIRE POINT REQUIREMENT SHALL BE COMPLIED WITH IF REQUIRED.
  11. COMPANIONED LENSURE HEIGHT = 8" VERTICAL + 1" BARBED WIRE VERTICAL DIMENSION.



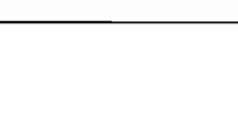
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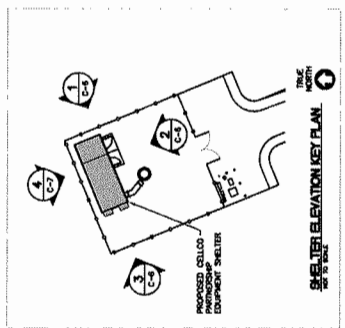
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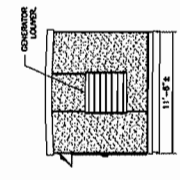
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<p style="margin: 0;">SOUTHINGTON - EAST STREET</p> <p style="margin: 0;">WELLES COMMUNICATIONS FACILITY</p> <p style="margin: 0;">99 EAST STREET</p> <p style="margin: 0;">SOUTHINGTON CT 06499</p>				<p style="margin: 0;">www.verizon.com</p> <p style="margin: 0;">CONTRACT NO. 2008-00200</p> <p style="margin: 0;">2008-00200</p> <p style="margin: 0;">1253 Main Street</p> <p style="margin: 0;">SOUTHINGTON, CT 06489</p>
<p style="margin: 0;">Colco Partnership d/b/a Verizon Wireless</p> <p style="margin: 0;">CENTRUM</p> <p style="margin: 0;">Contract No. 4552471</p>				<p style="margin: 0;">Date: 10/17/18</p> <p style="margin: 0;">Scale: As Noted</p> <p style="margin: 0;">Job No. 1802240</p>
<p style="margin: 0;">SHELTER ELEVATION AND SHELTER ELEVATIONS</p>				<p style="margin: 0; font-size: 24pt; font-weight: bold;">C-6</p>

<p style="margin: 0;">Colco Partnership</p> <p style="margin: 0;">d/b/a Verizon Wireless</p>				<p style="margin: 0;">PROFESSIONAL DESIGNER SEAL</p>			
REV.	DATE	REASON FOR CHANGE	DRAWN BY	CHECKED BY	DESCRIPTION		
1	10/28/18	HEAR	CFE	CSG	DESIGN FOR SIGNING CONSOLE - CLIENT REVIEW		
2	10/13/18	HEAR	CFE	CSG	DESIGN FOR SIGNING CONSOLE - CLIENT REVIEW		

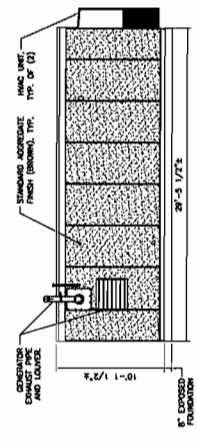


**3 WESTERN SHELTER ELEVATION**  
SCALE: 3/16" = 1'-0"

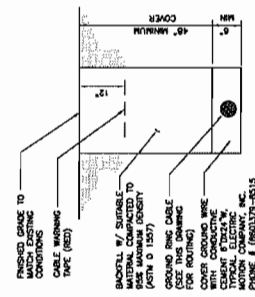
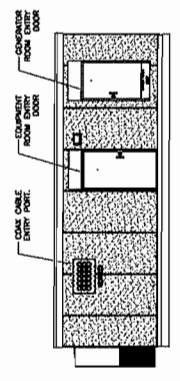


**1 EASTERN SHELTER ELEVATION**  
SCALE: 3/16" = 1'-0"

**4 NORTHERN SHELTER ELEVATION**  
SCALE: 3/16" = 1'-0"



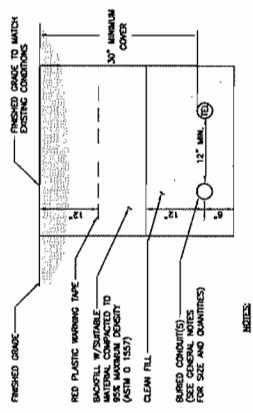
**2 SOUTHERN SHELTER ELEVATION**  
SCALE: 3/16" = 1'-0"



**NOTES:**

1. BACK FILL SHALL NOT CONTAIN ROSES, CONCRETE, SHELLS, STONES OR OTHER MATERIALS. DEPEND ON STONES LARGER THAN 2" IN MAXIMUM DIMENSION.
2. WHERE EXISTING UTILITIES ARE LIKELY TO BE ENCOUNTERED, CONTRACTOR SHALL HAND DIG AND PROTECT EXISTING UTILITIES.

**6 TYPICAL BURIAL GROUND CABLE DETAIL**  
NOT TO SCALE



**NOTES:**

1. THE CLEAN FILL SHALL PASS THROUGH A 3/8" MESH SCREEN. ALL MATERIALS SHALL BE FREE FROM ROOTS, TWIGS, STONES, SHELLS, FROZEN MATERIAL, LOOSE DUMPS OR STONES LARGER THAN 2" IN MAXIMUM DIMENSION.
2. WHERE EXISTING UTILITIES ARE LIKELY TO BE ENCOUNTERED, CONTRACTOR SHALL HAND DIG AND PROTECT EXISTING UTILITIES.

**5 TYPICAL ELECTRICAL/TEL. TRENCH DETAIL**  
NOT TO SCALE

REV.	DATE	DESCRIPTION
1	10/26/15	ISSUED FOR CT BRIDGE CONTRACT - CLIENT REVIEW
2	10/26/15	ISSUED FOR CT BRIDGE CONTRACT - CLIENT REVIEW
3	10/26/15	ISSUED FOR CT BRIDGE CONTRACT - CLIENT REVIEW
4	10/26/15	ISSUED FOR CT BRIDGE CONTRACT - CLIENT REVIEW
5	10/26/15	ISSUED FOR CT BRIDGE CONTRACT - CLIENT REVIEW
6	10/26/15	ISSUED FOR CT BRIDGE CONTRACT - CLIENT REVIEW
7	10/26/15	ISSUED FOR CT BRIDGE CONTRACT - CLIENT REVIEW
8	10/26/15	ISSUED FOR CT BRIDGE CONTRACT - CLIENT REVIEW
9	10/26/15	ISSUED FOR CT BRIDGE CONTRACT - CLIENT REVIEW
10	10/26/15	ISSUED FOR CT BRIDGE CONTRACT - CLIENT REVIEW

www.CadSoft.com  
 130 Park Street  
 06105  
 401-886-8600  
 401-886-8601  
 401-886-8602  
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 401-886-8619  
 401-886-8620

**Cellco Partnership d/b/a Verizon Wireless**  
 WIRELESS COMMUNICATIONS FACILITY  
**SOUTHINGTON - EAST STREET**  
 99 EAST STREET  
 SOUTHINGTON, CT 06489

DATE: 10/26/15  
 DRAWING NO.: 1501000  
 SHEET NO.: 1501000

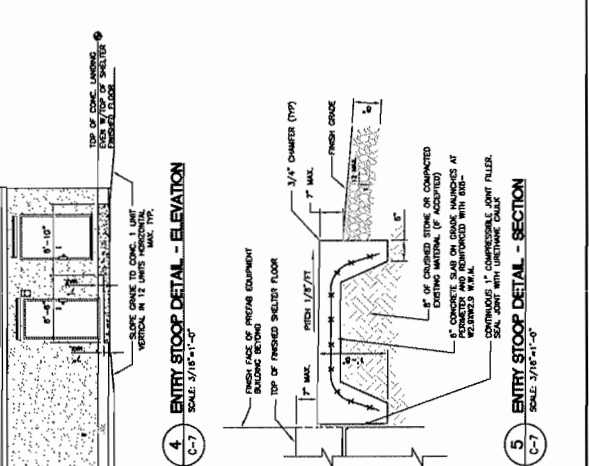
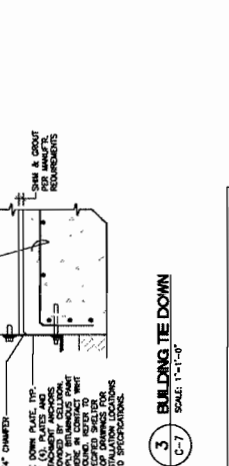
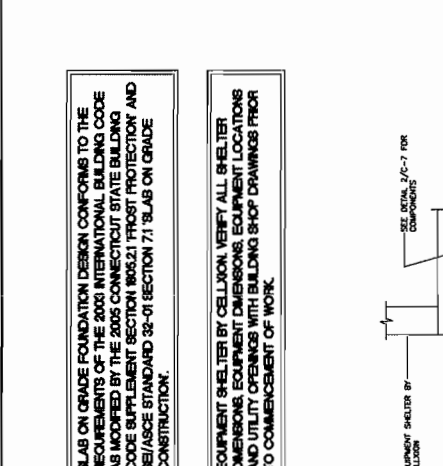
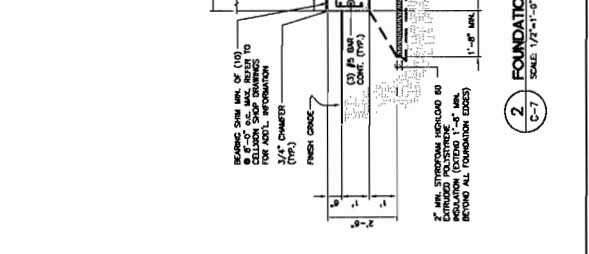
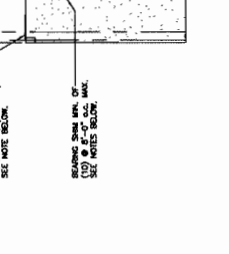
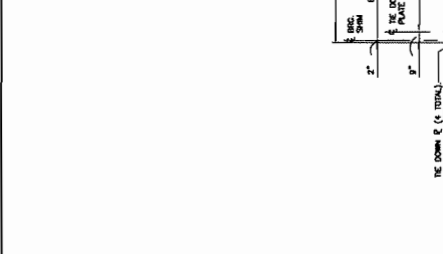
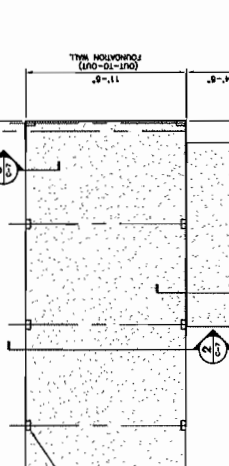
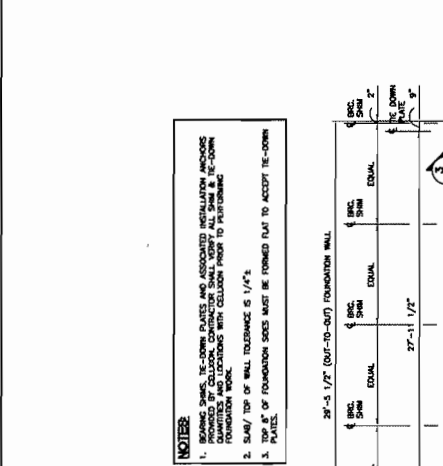
SHELTER FOUND.  
 PLAN DETAILS  
 AND NOTES

**C-7**

- FOUNDATION NOTES:**
- IF ANY FIELD CONDITIONS EXIST WHICH PRECLUDE COMPLIANCE WITH THE DRAWINGS, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER.
  - MANUFACTURED EQUIPMENT BUILDING SHOP DRAWINGS.
  - THE CONTRACTOR SHALL VERIFY AND COORDINATE THE SIZE AND LOCATION OF ALL FOUNDATION, STUCCO, STUDIES AND ANCHOR BOLTS AS REQUIRED BY ALL APPLICABLE CODES.
- NOTE:**
- BEARING SHIMS, TE-DOWN PLATES AND ASSOCIATED INSTALLATION ANCHORS PROVIDED BY CELLULON. CONTRACTOR SHALL VERIFY ALL SHIMS & TE-DOWN PLATES ARE INSTALLED WITH CELLULON FROM THE MANUFACTURER'S RECOMMENDATIONS.
  - SLAB/ TOP OF WALL TOLERANCE IS 1/4".
  - TOP 8" OF FOUNDATION SIDES MUST BE FORMED FLAT TO ACCEPT TE-DOWN PLATES.

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**CONCRETE AND REINFORCING STEEL NOTES:**

- ALL CONCRETE WORK SHALL BE IN ACCORDANCE WITH THE ACI 301, A4.
- ALL CONCRETE SHALL BE NORMAL WEIGHT, OR AIR ENTRAINMENT WITH A MINIMUM COMPRESSIVE STRENGTH OF 4000 PSI AT 28 DAYS, UNLESS NOTED OTHERWISE ON THE DRAWINGS.
- REINFORCING STEEL SHALL CONFORM TO ASTM A618, GRADE 60, 10 BAR WELDED STEEL WIRE FABRIC SHALL BE CLASS #1 AND ALL BARS SHALL BE STANDARD UNLESS OTHERWISE INDICATED.
- REINFORCING STEEL UNLESS OTHERWISE NOTED ON THE DRAWINGS, SHALL BE PLACED AS SHOWN WITH THE FOLLOWING TOLERANCES:

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Connecticut Department of  
**ENERGY &  
ENVIRONMENTAL  
PROTECTION**

December 18, 2014

Mr. Dean Gustafson  
All-Points Technology Corporation, P.C.  
30 Bogg Lane  
Lebanon, CT 06249  
[dgustafson@allpointstech.com](mailto:dgustafson@allpointstech.com)

Project: Proposed Wireless Telecommunications Facility, Southington East Street (a/k/a Meriden Relo) Located at 99 East Street in Southington, Connecticut  
NDDDB Determination No.: 201411387

Dear Dean,

I have reviewed Natural Diversity Data Base maps and files regarding the area delineated on the map you provided for the proposed Wireless Telecommunications Facility, Southington East Street (a/k/a Meriden Relo) located at 99 East Street in Southington, Connecticut. According to our information we have records for *Clemmys guttata* (spotted turtle) from the vicinity of this project. *Clemmys guttata* is currently a candidate species for listing as a State Special Concern Species. Thank you for including the protection strategies and protocols that will be in place to protect this species from project impacts. If these protection strategies are followed then the proposed activities will minimize adverse impact on the spotted turtle. This determination is good for one year. Please re-submit an NDDDB Request for Review if the scope of work changes or if work has not begun on this project by December 18, 2015.

Natural Diversity Data Base information includes all information regarding critical biological resources available to us at the time of the request. This information is a compilation of data collected over the years by the Department of Energy and Environmental Protection's Natural History Survey and cooperating units of DEEP, private conservation groups and the scientific community. This information is not necessarily the result of comprehensive or site-specific field investigations. Consultations with the Data Base should not be substitutes for on-site surveys required for environmental assessments. Current research projects and new contributors continue to identify additional populations of species and locations of habitats of concern, as well as, enhance existing data. Such new information is incorporated into the Data Base as it becomes available.

Please contact me if you have further questions at (860) 424-3592, or [dawn.mckay@ct.gov](mailto:dawn.mckay@ct.gov). Thank you for consulting the Natural Diversity Data Base. Also be advised that this is a preliminary review and not a final determination. A more detailed review may be conducted as part of any subsequent environmental permit applications submitted to DEEP for the proposed site.

Sincerely,

Dawn M. McKay  
Environmental Analyst 3







December 18, 2014

Department of Energy & Environmental Protection  
79 Elm Street  
Hartford, CT 06106-5127

APT Project No.: CT1412300

Attn: Dawn McKay  
via EMail

Re: **NDDB #201411387**  
**Proposed Wireless**  
**Telecommunications Facility**  
**Southington East Street**  
**a/k/a Meriden Relo.**  
**99 East Street**  
**Southington, Connecticut**  
**Lat: 41° 35' 1.117"**  
**Long: 72° 51' 52.868"**  
**Tower Type: Stealth structure pine tree**  
**Overall Height: 97-feet AGL**  
**EnSite # 21574**

Dear Ms. McKay,

All-Points Technology Corporation, P.C. ("APT") had previously submitted a Natural Diversity Data Base ("NDDB") State Listed Species Review request on behalf of Cellco Partnership and its controlled affiliates doing business as Verizon Wireless ("Verizon Wireless") for a proposed wireless communications facility at 99 East Street in Southington, Connecticut. APT understands that NDDB records reveal Spotted Turtle (*Clemmys guttata*), a candidate State Special Concern species that is anticipated to be included on the 2015 Connecticut Endangered, Threatened and Special Concern Species List, in the vicinity of the proposed project<sup>1</sup>.

The enclosed protective measures will be incorporated into the construction drawings (Development and Management Plans) should the project receive approval by the Connecticut Siting Council. Verizon Wireless is committed to implementing these protective measures to avoid unintentional injury or mortality to Spotted Turtles as a result of proposed these construction activities for the referenced facility. The proposed Spotted Turtle protection program consists of several components: isolation of the project perimeter; periodic inspection and maintenance of isolation structures; turtle sweeps; awareness training of all contractors and sub-contractors prior to initiation of work on the site; protective measures; and, reporting. An example of the caution poster that would be posted at the construction site as part of the contractor awareness component is also enclosed. With adherence to this Spotted Turtle protection program, the proposed development at this property would not have an adverse effect on this species.

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<sup>1</sup> Dawn McKay email, December 2, 2014.

Please feel free to contact me by phone at (860) 663-1697 ext. 201 or via email at [dgustafson@allpointstech.com](mailto:dgustafson@allpointstech.com) with any questions or if additional information is required.

Sincerely,

A handwritten signature in cursive script that reads "Dean Gustafson".

Dean Gustafson  
Senior Environmental Scientist

Enclosures

# Spotted Turtle Protection Plan

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## ENVIRONMENTAL NOTES

### Spotted Turtle Protection Program

Spotted Turtle, a candidate State Special Concern species that is anticipated to be included on the 2015 Connecticut Endangered, Threatened and Special Concern Species List, is known to occur on or within the vicinity of the site. The following protective measures satisfy requirements from the Connecticut Department of Energy & Environmental Protection ("CTDEEP") Wildlife Division and follow protocols developed from previous rare turtle species consultations and state-approved protection plans. This protection plan is valid for one year from the date of CTDEEP's letter, at which point if construction has not been initiated, a new Natural Diversity Data Base review request from CTDEEP is required.

It is of the utmost importance that the Contractor complies with the requirement for the installation of protective measures and the education of its employees and subcontractors performing work on the project site if work will occur during the Spotted Turtle's active period (March 1 to November 15). All-Points Technology Corporation, P.C. ("APT") will serve as the Environmental Monitor for this project to ensure that Spotted Turtle protection measures are implemented properly and will provide an education session on Spotted Turtle prior to the start of construction activities. The Contractor shall contact Dean Gustafson, Senior Environmental Scientist at APT, at least 5 business days prior to the pre-construction meeting. Mr. Gustafson can be reached by phone at (860) 663-1697 ext. 201 or via email at dgustafson@allpointstech.com.

The proposed Spotted Turtle protection program consists of several components: isolation of the project perimeter; periodic inspection and maintenance of isolation structures; education of all contractors and sub-contractors prior to initiation of work on the site; protective measures; and, reporting.

#### 1. Isolation Measures & Erosion and Sedimentation Controls

- a. Plastic netting used in a variety of erosion control products (i.e., erosion control blankets, fiber rolls [wattles], reinforced silt fence) has been found to entangle wildlife, including reptiles, amphibians, birds and small mammals. No permanent erosion control products or reinforced silt fence will be used on the Verizon Wireless project. Temporary Erosion control products will use either erosion control blankets and fiber rolls composed of processed fibers mechanically bound together to form a continuous matrix (net less) or netting composed of planar woven natural biodegradable fiber to avoid/minimize wildlife entanglement.
- b. Installation of erosion and sedimentation controls (i.e., silt fencing), required for erosion control compliance and creation of a barrier to possible migrating/dispersing herpetofauna, shall be performed by the Contractor following clearing activities and prior to any earthwork. The Environmental Monitor will inspect the work zone area prior to and following erosion control barrier installation to ensure the area is free of spotted turtles and satisfactorily installed. The intent of the barrier is to segregate the majority of the work zone from foraging/migrating/dispersing turtles. Oftentimes complete isolation of a work zone is not feasible due to accessibility needs and locations of staging/material storage areas, etc. In those circumstances, the barriers will be positioned to deflect migrating/dispersal routes away from the work zone to minimize potential encounters with turtles.
- c. The fencing will consist of non-reinforced conventional erosion control woven fabric, installed approximately six inches below surface grade and staked at seven to ten-foot intervals using four-foot oak stakes or approved equivalent. In addition to required daily inspection by the Contractor, the fencing will be inspected for tears or

breeches in the fabric following installation and at either on a weekly or biweekly inspection frequency by APT. If inspections are performed on a biweekly basis, such inspections will also include inspections following storm events of 0.25 inch or greater. Inspections will be conducted by APT throughout the course of the construction project.

- d. The extent of the barrier fencing will be as shown on the site plans. The Contractor shall have additional barrier fencing should field conditions warrant extending the fencing as directed by APT.
- e. No equipment, vehicles or construction materials shall be stored outside of barrier fencing.
- f. All silt fencing shall be removed within 30 days of completion of work and permanent stabilization of site soils so that reptile and amphibian movement between uplands and wetlands is not restricted.

## **2. Contractor Education**

- a. Prior to work on site, the Contractor shall attend an educational session at the pre-construction meeting with APT. This orientation and educational session will consist of an introductory meeting with APT providing photos of Spotted Turtles and emphasizing the non-aggressive nature of these turtles, the absence of need to destroy animals that might be encountered and the need to follow Protective Measures as described in Section 4 below. Workers will also be provided information regarding the identification of other turtle species that could be encountered.
- b. The education session will also focus on means to discriminate between the species of concern and other native species to avoid unnecessary "false alarms". Encounters with any species of turtles will be documented.
- c. The Contractor will be provided with cell phone and email contacts for APT personnel to immediately report any encounters with Spotted Turtle or other turtle species. Educational poster materials will be provided by APT and displayed on the job site to maintain worker awareness as the project progresses.

## **3. Petroleum Materials Storage and Spill Prevention**

- a. Certain precautions are necessary to store petroleum materials, refuel and contain and properly clean up any inadvertent fuel or petroleum (i.e., oil, hydraulic fluid, etc.) spill due to the project's location in proximity to sensitive wetlands.
- b. A spill containment kit consisting of a sufficient supply of absorbent pads and absorbent material will be maintained by the Contractor at the construction site throughout the duration of the project. In addition, a waste drum will be kept on site to contain any used absorbent pads/material for proper and timely disposal off site in accordance with applicable local, state and federal laws.
- c. The following petroleum and hazardous materials storage and refueling restrictions and spill response procedures will be adhered to by the Contractor.
  - i. Petroleum and Hazardous Materials Storage and Refueling
    1. Refueling of vehicles or machinery shall occur a minimum of 100 feet from wetlands or watercourses and shall take place on an

impervious pad with secondary containment designed to contain fuels.

2. Any fuel or hazardous materials that must be kept on site shall be stored on an impervious surface utilizing secondary containment a minimum of 100 feet from wetlands or watercourses.

ii. Initial Spill Response Procedures

1. Stop operations and shut off equipment.
2. Remove any sources of spark or flame.
3. Contain the source of the spill.
4. Determine the approximate volume of the spill.
5. Identify the location of natural flow paths to prevent the release of the spill to sensitive nearby waterways or wetlands.
6. Ensure that fellow workers are notified of the spill.

iii. Spill Clean Up & Containment

1. Obtain spill response materials from the on-site spill response kit. Place absorbent materials directly on the release area.
2. Limit the spread of the spill by placing absorbent materials around the perimeter of the spill.
3. Isolate and eliminate the spill source.
4. Contact the appropriate local, state and/or federal agencies, as necessary.
5. Contact a disposal company to properly dispose of contaminated materials.

iv. Reporting

1. Complete an incident report.
2. Submit a completed incident report to the Connecticut Siting Council.

**4. Turtle Protective Measures**

- a. Prior to the start of construction each day, the Contractor shall search the entire work area for turtles.
- b. If a turtle is found, it shall be immediately moved, unharmed, by carefully grasped in both hands, one on each side of the shell, between the turtle's forelimbs and the hind limbs, and placed just outside of the isolation barrier in the approximate direction it was walking.
- c. Special care shall be taken by the Contractor during early morning and evening hours so that possible basking or foraging turtles are not harmed by construction activities.

**5. Herbicide and Pesticide Restrictions**

- a. The use of herbicides and pesticides at the proposed wireless telecommunications facility and along the proposed access drive are strictly prohibited.

**6. Reporting**

- a. Monthly inspection reports (brief narrative and applicable photos) will be submitted to the Connecticut Siting Council for compliance verification. Any observations of turtles will be included in the reports.
- b. Following completion of the construction project, APT will provide a summary report to CTDEEP documenting the monitoring and maintenance of the barrier fence and erosion control measures.
- c. Any observations of Spotted Turtle will be reported to CTDEEP by APT, with photo-documentation (if possible) and with specific information on the location and disposition of the animal.



# Spotted Turtle Poster

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# CAUTION

## SPOTTED TURTLES ARE KNOWN TO INHABIT THIS AREA



**Identification:** Spotted Turtles (*Clemmys guttata*) are small turtles generally ranging from 3 to 5 inches (8-12 centimeters) in length. The upper shell (carapace) is readily distinguished by a smooth surface with blue-black color that is patterned with small yellow-orange dots. A large orange blotch is present behind each eye. The belly (plastron) typically is yellow to orange-yellow in color with large black blotches on each scale (scute). Spotted turtles require both aquatic and terrestrial habitat to complete their life cycle and utilize a wide variety of aquatic habitats, including vernal pools, resulting in overland movements among a complex network of different habitats.

**What to do if you find a Spotted Turtle:** Spotted Turtles are protected by Connecticut's threatened and endangered species legislation and **cannot** be injured, killed, or retained as a pet. If you find a spotted turtle move the turtle to a safe location away from any construction activity in the direction that the turtle was heading. Carefully pick up the turtle by its shell (carapace) between the front and hind legs with both hands.

**Who to contact:** Please report any findings and relocations of Spotted Turtle immediately to **Dean Gustafson of All-Points Technology Corporation, P.C. at (860) 984-9515.**