BROWNRUDNICK

Thomas J. Regan
direct dial: 860.509.6522
tregan@brownrudnick.com

185 Asylum
Street
Hartford
Connecticut
06103
tel 860.509.6500
fax 860.509.6501

January 20, 2015

Via Hand Delivery

Ms. Melanie Bachman
Executive Director
Connecticut Siting Council
Ten Franklin Square
New Britain, Connecticut 06051

RE: Docket No. 417 – Certificate of Environmental Compatibility and Public Need for a Telecommunications Facility at Moose Hill Road in Guilford, Connecticut Request for Extension of Time to Complete Construction

Dear Ms. Bachman:

On behalf of Bay Communications II LLC ("Bay Communications"), please find enclosed for filing in this Docket two (2) full size and thirteen (13) 11" x 17" copies of the Development & Management plan prepared by All-Points Technology Corporation.

The Connecticut Siting Council (the "Council") approved the above-captioned telecommunications facility on October 6, 2011. On October 17, 2013, the Council approved the transfer of the Certificate of Environmental Compatibility and Public Need (the "Certificate") from T-Mobile Northeast, LLC to Bay Communications and on December 31, 2013, the Council approved request for an extension of time to construct the facility in this docket until April 8, 2014. Over the past year Bay Communications developed an environmental assessment for a stream crossing for the facility and is now prepared to proceed with construction.

As a result, Bay respectfully requests an additional extension of time pursuant to Conn. Agencies Regs. § 16-50j-6 to complete the construction of, and to begin providing wireless services from, the above-referenced telecommunication facility.

Very truly yours,

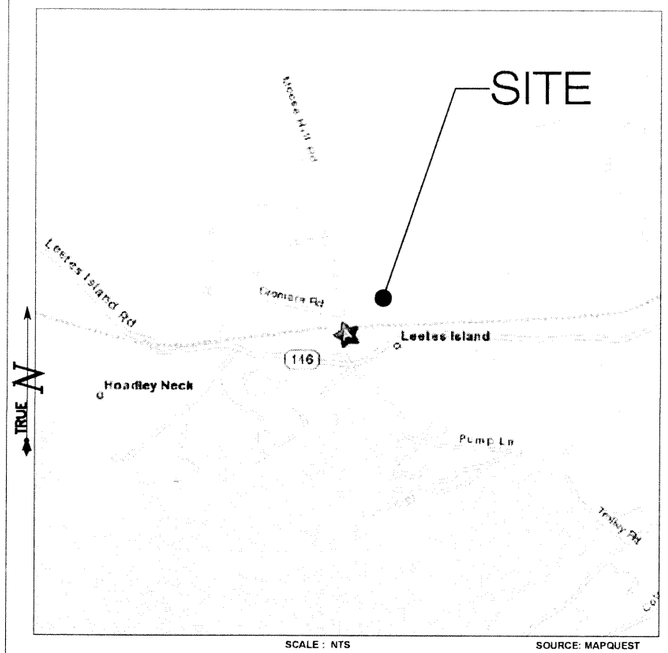
BROWN RUDNICK LLP

By: _____
Thomas J. Regan

cc: via Fed Ex - Joseph S. Mazza, First Selectman of Guilford
(enclosing one 11"x17" copy of the D&M plan)

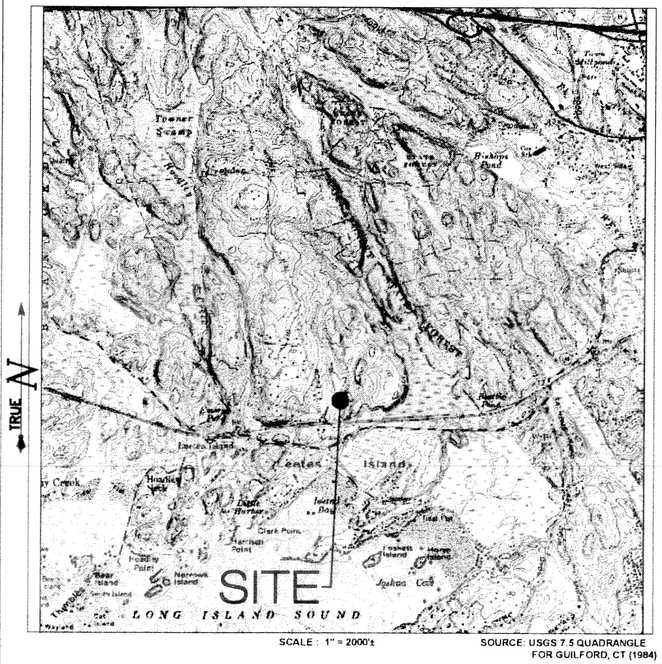
61846564 v1-WorkSiteUS-023509/0040

LOCATION MAP



SCALE : NTS SOURCE: MAPQUEST

USGS TOPOGRAPHIC MAP



SCALE : 1" = 2000'± SOURCE: USGS 7.5 QUADRANGLE FOR GUILFORD, CT (1984)

BAY COMMUNICATIONS

391 OAKLAND STREET
SECOND FLOOR
MANSFIELD, MA 02048

OFFICE: (774) 719-2146

DEVELOPMENT & MANAGEMENT PLAN

DRAWING INDEX

*SITE INFORMATION:

-SITE NAME:	GUILFORD	-ZONE:	R-8
-SITE ID NUMBER:	CT0007	-LATITUDE:	41° 16' 02.88" N
-SITE ADDRESS:	MOOSE HILL ROAD GUILFORD, CT 06437	-LONGITUDE:	72° 42' 57.81" W
		-ELEVATION:	52± AMSL
		-FEMA/FIRM DESIGNATION:	ZONE 'C'
-MAP:	66	-ACREAGE:	163.0 Ac
-BLOCK:	N/A		
-LOT:	64		

ALL-POINTS TECHNOLOGY CORPORATION

3 SADDLEBROOK DRIVE
KILLINGWORTH, CT 06419
WWW.ALLPOINTSTECH.COM

PHONE: (860)-663-1697
FAX: (860)-663-0935

CONTACT PERSONNEL

APPLICANT:
BAY COMMUNICATIONS II, LLC
391 OAKLAND STREET
SECOND FLOOR
MANSFIELD, MA 02048

LANDLORD
LEETE ASSOCIATES, INC.
P.O. BOX 45
GUILFORD, CT 06437

BAY COMMUNICATIONS PROJECT MANAGER:

VINCENT GRANESE (781) 608-1002

BAY COMMUNICATIONS PROJECT ATTORNEY:

THOMAS J. REGAN, ESQ.
BROWN RUDNICK LLP
CITY PLACE
185 ASYLUM STREET
HARTFORD, CT 06103
(860) 509-6526

POWER PROVIDER:

CL&P (203) 245-5414
KEITH SURAVICH - CASE# 2293099

TELCO PROVIDER:

AT&T: (800)-727-8368

CALL BEFORE YOU DIG:

(800) 922-4455

GOVERNING CODES:

2005 CONNECTICUT BUILDING CODE (2003 IBC BASIS)
NATIONAL ELECTRIC CODE
EIA/TIA 222F

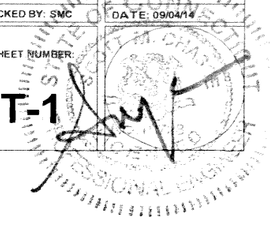
U.S. ARMY CORPS OF ENGINEERS
PERMIT NUMBER: NAE-2014-214

SITE INFORMATION

CT0007

GUILFORD
MOOSE HILL ROAD
GUILFORD, CT 06437

DEVELOPMENT & MANAGEMENT DOCUMENTS	TITLE SHEET & INDEX
GUILFORD MOOSE HILL ROAD GUILFORD, CT 06437	
DESIGN TYPE:	APT FILING NUMBER: CT-265-160
RAW LAND	APT DRAWING NUMBER: CT0007_T-1.DWG
	DRAWN BY: RCB / SCALE: AS NOTED
	CHECKED BY: SMC / DATE: 09/04/14
REVISIONS:	SHEET NUMBER:
REV.0: 09/04/14: FOR REVIEW: SMC	T-1
REV.1: 01/13/15: TOWER REVISIONS: SMC	
REV.2:	
REV.3:	
REV.4:	
REV.5:	



MAP ID: 66-63
83 MOOSE HILL ROAD
LAND NOW OR FORMERLY OF
BRADFORD W. LEETE SR
& LYDIA RAFFA-LEETE
83 MOOSE HILL ROAD
GUILFORD, CT 06437

MAP ID: 66-62
0 MOOSE HILL ROAD
LAND NOW OR FORMERLY OF
LEETE ASSOCIATES, INC
P.O. BOX 45
GUILFORD, CT 06437

MAP ID: 66-61
133 MOOSE HILL ROAD
LAND NOW OR FORMERLY OF
ROBERT L. JACKSON &
ELIZABETH G. JACKSON
133 MOOSE HILL ROAD
GUILFORD, CT 06437

DROMARA ROAD

DROMARA ROAD

DOLAN DRIVE

MAP ID: 69-9B
0 MOOSE HILL ROAD
LAND NOW OR FORMERLY OF
MARK P. HOMMEL &
PHOEBE J. LEITH
397 MOOSE HILL ROAD
GUILFORD, CT 06437

MAP ID: 66-1
30 DROMARA ROAD
LAND NOW OR FORMERLY OF
ELIZABETH DUBOIS FAMILY TRUST
30 DROMARA ROAD
GUILFORD, CT 06437

MAP ID: 69-9
397 MOOSE HILL ROAD
LAND NOW OR FORMERLY OF
MARK P. HOMMEL &
PHOEBE J. LEITH
397 MOOSE HILL ROAD
GUILFORD, CT 06437

MOOSE HILL ROAD

MAP ID: 19-3
48 MOOSE HILL ROAD
LAND NOW OR FORMERLY OF
DEREK M. STREETER & KELLY
A. STREETER
48 MOOSE HILL ROAD
GUILFORD, CT 06437

MAP ID: 66-59
0 MOOSE HILL ROAD
LAND NOW OR FORMERLY
OF
LEETE ASSOCIATES, INC
P.O. BOX 45
GUILFORD, CT 06437

MAP ID: 66-57
225 MOOSE HILL ROAD
LAND NOW OR FORMERLY OF
STUART C. PRESS &
DEBORAH E. PRESS
225 MOOSE HILL ROAD
GUILFORD, CT 06437

MAP ID: 66-56
283 MOOSE HILL ROAD
LAND NOW OR
FORMERLY OF
MADLYN N. FLAVELL
283 MOOSE HILL ROAD
GUILFORD, CT 06437

MAP ID: 69-9C
0 MOOSE HILL ROAD
LAND NOW OR FORMERLY OF
GUILFORD LAND
CONSERVATION TRUST INC.
P.O. BOX 200
GUILFORD, CT 06437

MAP ID: 69-7A
0 MOOSE HILL ROAD
LAND NOW OR FORMERLY OF
GUILFORD LAND CONSERVATION
TRUST INC
P.O. BOX 200
GUILFORD, CT 06437

MAP ID: 19-5
43 MOOSE HILL ROAD
LAND NOW OR FORMERLY OF
WAYNE M. LOVINGTON
& KAREN E. LOVINGTON
43 MOOSE HILL ROAD
GUILFORD, CT 06437

MAP ID: 66-58
205 MOOSE HILL ROAD
LAND NOW OR FORMERLY OF
ALDO S. PARISOT & ELIZABETH B
PARISOT
205 MOOSE HILL ROAD
GUILFORD, CT 06437

MAP ID: 66-55
313 MOOSE HILL ROAD
LAND NOW OR FORMERLY OF
JANET C. SENFT AKA JANET
CARPENTER
313 MOOSE HILL ROAD
GUILFORD, CT 06437

FROM
COMPOUND
TO ℄ 320±

℄ OF TOWER
TO ℄ 346±

MAP ID: 66-60
149 MOOSE HILL ROAD
LAND NOW OR FORMERLY OF
ANN E. ZELLER
149 MOOSE HILL ROAD
GUILFORD, CT 06437

MAP ID: 66-54
341 MOOSE HILL ROAD
LAND NOW OR FORMERLY OF
MARLENE P. ABT
341 MOOSE HILL ROAD
GUILFORD, CT 06437

MAP ID: 66-53
365 MOOSE HILL ROAD
LAND NOW OR FORMERLY OF
ERIN ZEIDENBERG
365 MOOSE HILL ROAD
GUILFORD, CT 06437

℄ OF TOWER
TO ℄ 351±

MAP ID: 19-10
0 LEETES ISLAND ROAD
LAND NOW OR FORMERLY OF
LEETE ASSOCIATES, INC.
P.O. BOX 45
GUILFORD, CT 06437

FROM
COMPOUND
TO ℄ 323±

SUBJECT SITE
MAP ID: 66-64
MOOSE HILL ROAD
LAND NOW OR FORMERLY OF
LEETE ASSOCIATES, INC
P.O. BOX 45
GUILFORD, CT 06437
163.0 ACRES

FROM COMPOUND TO ℄ 1121±

℄ OF TOWER TO ℄ 1150±

FROM COMPOUND TO ℄ 2236±

℄ OF TOWER TO ℄ 2271±

MAP ID: 19-11
575 LEETES ISLAND ROAD
LAND NOW OR FORMERLY OF
LEWIS BURGESS
575 LEETES ISLAND ROAD
GUILFORD, CT 06437

MAP ID: 19-12
558 LEETES ISLAND ROAD
LAND NOW OR FORMERLY OF
MARC J. KNAPP
25281 BUNTING CIRCLE
LAND O LAKES, FL 34639

PROPOSED T-MOBILE 50' x 50' CHAIN
LINK FENCED COMPOUND W/
EQUIPMENT, UTILITIES, & 110'± AGL
MONOPOLE

MAP ID: 69-13
0 DUNK ROCK ROAD
LAND NOW OR FORMERLY OF
STATE OF CONNECTICUT
110 BARTHOLOMEW AVENUE
HARTFORD, CT 06106

MAP ID: 19-13
0 LEETES ISLAND ROAD
LAND NOW OR FORMERLY OF
MARC J. KNAPP
25281 BUNTING CIRCLE
LAND O LAKES, FL 34639

LEETES ISLAND ROAD

PROPERTY LINE (TYP)

MAP ID: 20-1
0 LEETES ISLAND ROAD
LAND NOW OR FORMERLY OF
GUILFORD LAND CONSERVATION
TRUST INC
P.O. BOX 200
GUILFORD, CT 06437

NO MAP OR LOT REFERENCE (RAILROAD)
ADJACENT TO SUBJECT PARCEL
LAND NOW OR FORMERLY OF
NATIONAL RAILROAD PASSENGER CORP
400 NORTH CAPITAL STREET, NW
WASHINGTON, DC 20001
ADDITIONAL MAILING:
60 MASSACHUSETTS AVENUE, NE
WASHINGTON, DC 20002
ADDITIONAL MAILING:
30TH STREET STATION, 4 SOUTH,
BOX 25 PHILADELPHIA, PA 19104

ABUTTERS MAP
SCALE : 1" = 200'

TRUE N

GRAPHIC SCALE
200 0 100 200 400 800
(IN FEET)
1 inch = 200 ft.

BAY COMMUNICATIONS SITE NUMBER:
CT0007

APT FILING NUMBER:
CT-265-160

BAY COMMUNICATIONS
391 OAKLAND STREET
MANSFIELD, MA 02048
(774) 719-2148

ALL-POINTS TECHNOLOGY CORPORATION
3 SADDLEBROOK DRIVE
KILLINGWORTH, CT 06419
WWW.ALLPOINTSTECH.COM
PHONE: (860)-663-1697
FAX: (860)-663-0935

DEVELOPMENT & MANAGEMENT DOCUMENTS

GUILFORD
MOOSE HILL ROAD
GUILFORD, CT 06437

DESIGN TYPE:
RAW LAND

REVISIONS:
REV.0: 09/04/14: FOR REVIEW: SMC
REV.1: 01/13/15: TOWER REVISIONS: SMC
REV.2:
REV.3:
REV.4:
REV.5:

ABUTTERS MAP

APT FILING NUMBER: CT-265-160
APT DRAWING NUMBER: CT0007
DRAWN BY: RCB
SCALE: AS NOTED
CHECKED BY: SMC
DATE: 09/04/14

SHEET NUMBER:
R-1

NOTES

1. THIS MAP AND SURVEY HAVE BEEN PREPARED PURSUANT TO THE REGULATIONS OF CONNECTICUT STATE AGENCIES SECTIONS 20-300b-1 THROUGH 20-300b-20 AND THE "STANDARDS FOR SURVEYS AND MAPS IN THE STATE OF CONNECTICUT," AS ADOPTED BY THE CONNECTICUT ASSOCIATION OF LAND SURVEYORS, INC. ON SEPTEMBER 26, 1996.

   THE TYPE OF SURVEY PERFORMED AND THE MAPPED FEATURES DEPICTED HEREON ARE IN ACCORDANCE WITH THE REQUIREMENTS OF A TOPOGRAPHIC SURVEY. BOUNDARY LINES DEPICTED HEREON ARE COMPILED FROM OTHER MAPS, DEEDS, AND A LIMITED FIELD SURVEY. THESE LINES DO NOT REPRESENT A PROPERTY BOUNDARY OPINION AND ARE SUBJECT TO CHANGE BASED ON A COMPLETE FIELD SURVEY.

2. VERTICAL ACCURACY CLASS: T-2. ELEVATIONS REFER TO NORTH AMERICAN VERTICAL DATUM 1988. TOPOGRAPHIC INFORMATION IS DEPICTED ONLY FOR A PORTION OF THE PROPERTY. FIELD SURVEYED DECEMBER 1, 2009.

3. NORTH REFERS TO TOWN OF GUILFORD ASSESSORS MAPS.

4. REFERENCE MAPS:

   (A) "RIGHT OF WAY AND TRACK MAP, THE NEW YORK NEW HAVEN AND HARTFORD R.R. CO., FROM NEW HAVEN TO NEW LONDON, STATION 739+05 TO 791+85, TOWN OF GUILFORD, STATE OF CONN.," SHEET 13 OF 55, SCALE 1"=100', DATED JUNE 30, 1915.
   (B) "MAP SHOWING PROPERTY OF PETER WOERNER," PREPARED BY ERIC ANDERSON, SCALE 1"=40', DATED APRIL 10, 1978.
   (C) "MAP OF PROPERTY OWNED BY N/F THE NEW YORK, NEW HAVEN & HARTFORD RAILROAD COMPANY TO BE CONVEYED TO JONATHAN T. & LINDA FRAWLEY HOWEY," PREPARED BY ROBERT C. HART, SCALE 1"=30', DATED 4-12-2001 AND REVISED 6-25-01.

5. ACCORDING TO FIRST AMERICAN TITLE INSURANCE COMPANY COMMITMENT FOR TITLE INSURANCE NUMBER HPC-CTNH805, THERE ARE NO COVENANTS, RESTRICTIONS, EASEMENTS OR RIGHTS-OF-WAY AFFECTING THE PORTIONS OF THE PROPERTY DEPICTED HEREON.

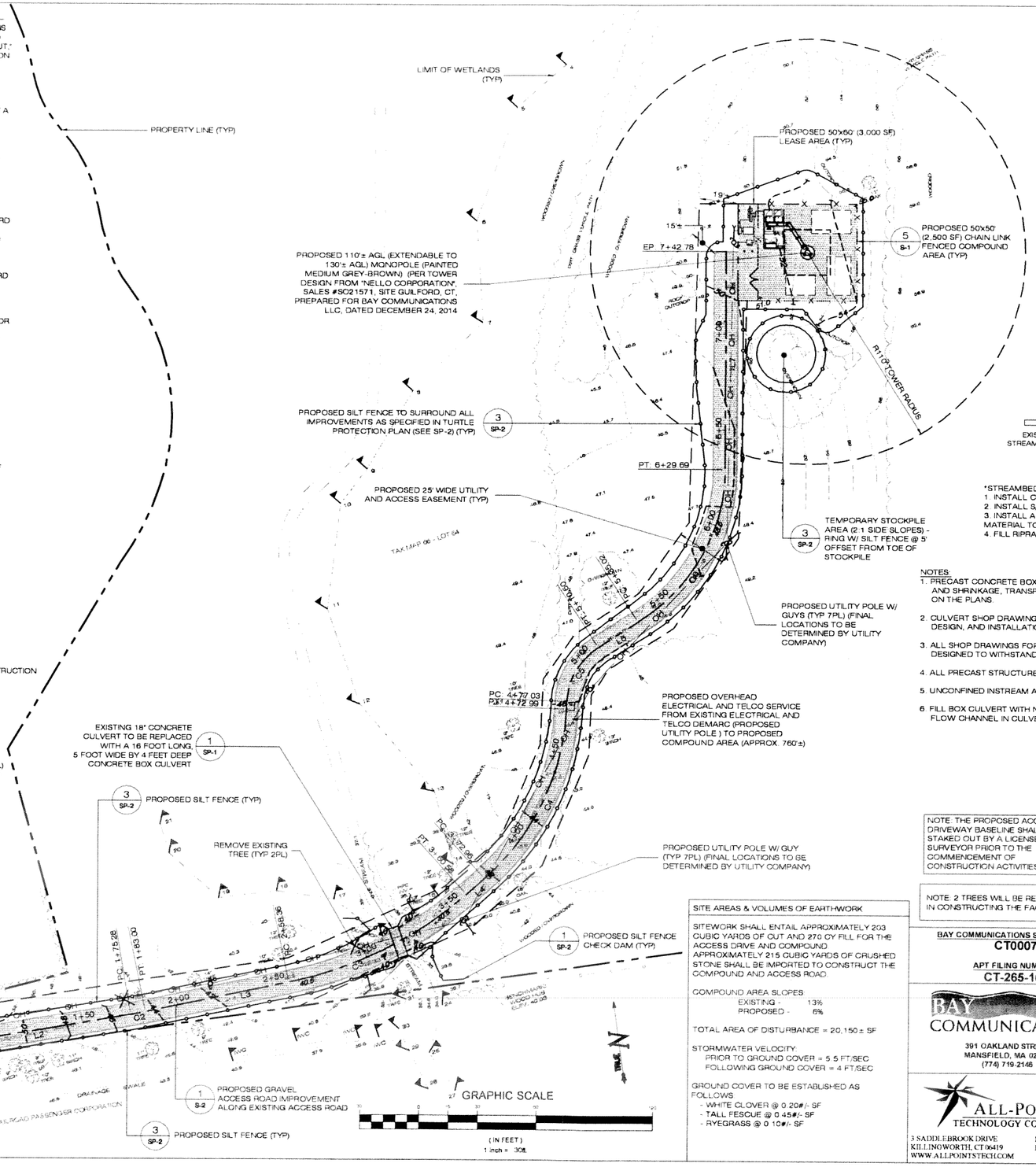
6. PARCEL OWNER OF RECORD:

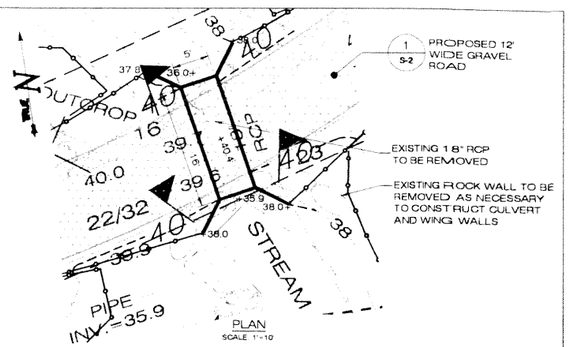
   LEETE ASSOCIATES, INC.
   P.O. BOX 45
   GUILFORD, CT 06437
   DEED REFERENCES: VOLUME 734, PAGES 353, 355, 357

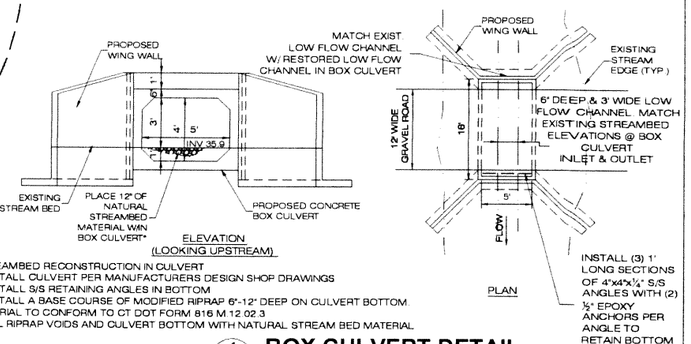
7. SUBSURFACE AND ENVIRONMENTAL CONDITIONS WERE NOT EXAMINED OR CONSIDERED AS PART OF THIS SURVEY.

8. WETLAND FLAGS SET BY SOIL SCIENCE AND ENVIRONMENTAL SERVICES, INC.

9. TREES HAVING A CALIPER OF 9" AND GREATER LOCATED ONLY ON A PORTION OF THE PROPERTY.







*STREAMBED RECONSTRUCTION IN CULVERT
1. INSTALL CULVERT PER MANUFACTURERS DESIGN SHOP DRAWINGS
2. INSTALL S/S RETAINING ANGLES IN BOTTOM
3. INSTALL A BASE COURSE OF MODIFIED RIPRAP 6"-12" DEEP ON CULVERT BOTTOM. MATERIAL TO CONFORM TO CT DOT FORM 816 M.12.02.3
4. FILL RIPRAP VOIDS AND CULVERT BOTTOM WITH NATURAL STREAM BED MATERIAL.

1 SP-1 BOX CULVERT DETAIL
SCALE : NTS

NOTES:
1. PRECAST CONCRETE BOX STRUCTURE (INCLUDING WING WALLS) SHALL INCLUDE SUFFICIENT STEEL REINFORCEMENT FOR TEMPERATURE AND SHRINKAGE, TRANSPORT, AND TO ALLOW THE STRUCTURE TO WITHSTAND AASHTO H-20 LOADING AT THE COVER CONDITIONS SHOWN ON THE PLANS.
2. CULVERT SHOP DRAWINGS SHALL INCLUDE: HEADWALL AND ENDWALL FOOTING DESIGN AND BACKFILL REQUIREMENTS, CULVERT BEDDING DESIGN, AND INSTALLATION SEQUENCING AND DIRECTIONS.
3. ALL SHOP DRAWINGS FOR PRECAST CONCRETE STRUCTURES SHALL INCLUDE MANUFACTURER'S CERTIFICATION THAT THE STRUCTURES ARE DESIGNED TO WITHSTAND THE LOADS NOTED ABOVE AND TO BE SUBMITTED TO THE ENGINEER FOR APPROVAL.
4. ALL PRECAST STRUCTURES SHALL BE MANUFACTURED WITH 4000 PSI / 28 DAY STRENGTH CONCRETE.
5. UNCONFINED INSTREAM ACTIVITIES MUST BE PERFORMED BETWEEN JUNE1 AND SEPTEMBER 30 PER CONNECTICUT DEP.
6. FILL BOX CULVERT WITH NATURAL STREAMBED MATERIAL TO RESTORE ORIGINAL STEAMBED ELEVATION. PROVIDE 6" DEEP AND 3' WIDE LOW FLOW CHANNEL IN CULVERT - FIELD LOCATE.

SITE AREAS & VOLUMES OF EARTHWORK

SITEWORK SHALL ENTAIL APPROXIMATELY 203 CUBIC YARDS OF CUT AND 270 CY FILL FOR THE ACCESS DRIVE AND COMPOUND. APPROXIMATELY 215 CUBIC YARDS OF CRUSHED STONE SHALL BE IMPORTED TO CONSTRUCT THE COMPOUND AND ACCESS ROAD.

COMPOUND AREA SLOPES:
EXISTING - 13%
PROPOSED - 6%

TOTAL AREA OF DISTURBANCE = 20,150± SF

STORMWATER VELOCITY:
PRIOR TO GROUND COVER = 5.5 FT/SEC
FOLLOWING GROUND COVER = 4 FT/SEC

GROUND COVER TO BE ESTABLISHED AS FOLLOWS:
- WHITE CLOVER @ 0.20#/- SF
- TALL FESCUE @ 0.45#/- SF
- RYEGRASS @ 0.10#/- SF

NOTE: THE PROPOSED ACCESS DRIVEWAY BASELINE SHALL BE STAKED OUT BY A LICENSED LAND SURVEYOR PRIOR TO THE COMMENCEMENT OF CONSTRUCTION ACTIVITIES.

NOTE: 2 TREES WILL BE REMOVED IN CONSTRUCTING THE FACILITY.

LEGEND

CURB	DRAINAGE INLET / STRUCTURE
DROP CURB	CATCH BASIN
WALL	SIGN
STONE WALL	LIGHT POLE
EDGE OF PAVEMENT	UTILITY POLE
OVERHEAD WIRES	X CHAIN LINK FENCE
STRUCTURE - MANHOLE	23 CONTOURS
GAS VALVE	TC 86.00 / INT 84.99 TOP/BOTTOM OF CURB
WATER VALVE	55.43 SPOT ELEVATION
HANDICAP PARKING	CONCRETE
20 PARKING STALL COUNT	GUY WIRE

BAY COMMUNICATIONS SITE NUMBER:
CT0007

APT FILING NUMBER:
CT-265-160

BAY COMMUNICATIONS
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MANSFIELD, MA 02048
(774) 719-2148

ALL-POINTS TECHNOLOGY CORPORATION
3 SADDLEBROOK DRIVE
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WWW.ALLPOINTSTECH.COM
PHONE: (860)-663-1697
FAX: (860)-663-0935

DEVELOPMENT & MANAGEMENT DOCUMENTS

GUILFORD
MOOSE HILL ROAD
GUILFORD, CT 06437

DESIGN TYPE:
RAW LAND

REVISIONS:
REV.0: 09/04/14: FOR REVIEW: SMC
REV.1: 01/13/15: TOWER REVISIONS: SMC
REV.2:
REV.3:
REV.4:
REV.5:

SITE PLAN

APT FILING NUMBER: CT-265-160
APT DRAWING NUMBER: CT0007
DRAWN BY: RCB
SCALE: AS NOTED
CHECKED BY: SMC
DATE: 09/04/14

SHEET NUMBER:
SP-1

STATE OF CONNECTICUT

ENVIRONMENTAL NOTES

U.S. Army Corps of Engineers Category 1 Permit Authorization

The project has received authorization by the U.S. Army Corps of Engineers New England Division ("Corps") Category 1 Permit Authorization (Permit Number: NAE-2014-214, dated April 1, 2014). The Contractor is required to review the Category 1 Permit Authorization and the Connecticut General Permit ("GP"), in particular the GP Conditions. The Contractor is required to ensure that work is performed in accordance with the terms and conditions of the all GP, specifically Conditions 18, 20 and 21. The Category 1 Permit Authorization Special Condition is in the following Rare Species Protection Program.

Rare Species Protection Program

Eastern Box Turtle, Wood Turtle and Saltmarsh Sharp-tailed Sparrow, all State Special Concern species, are afforded protection under the Connecticut Endangered Species Act and are 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 species consultations and state-approved protection plans. This protection plan also satisfies a Special Condition of the Corps Category 1 Permit Authorization. This protection plan is valid for one year from the date of CTDEEP's letter (March 3, 2014), 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 Eastern Box Turtles and Wood Turtles active period (April 1 to November 15) or the Saltmarsh Sharp-tailed Sparrow active nesting period (May 15 to August 15). All-Points Technology Corporation, P.C. ("APT") will serve as the Environmental Monitor for this project to ensure that Eastern Box Turtle, Wood Turtle and Saltmarsh Sharp-tailed Sparrow protection measures are implemented properly and will provide an education session on Eastern Box Turtle, Wood Turtle and Saltmarsh Sharp-tailed Sparrow 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.

Eastern Box Turtle and Wood Turtle Protection Plan

The proposed Eastern Box Turtle and Wood Turtle species 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.

I. **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 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 turtles, 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 to ensure the area is free of eastern box turtles and wood 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 periodically 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. If fiber rolls/wattles, straw bales, or other natural material erosion control products are used, such devices will not be left in place to biodegrade and shall be promptly removed after soils are stable so as not to create a barrier to migrating wildlife. Seed from seeding of soils should not spread over fiber rolls/wattles as it makes them harder to remove once soils are stabilized by vegetation.

II. **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 eastern box turtles and wood 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 eastern box turtle, wood 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.

d. APT will also post Caution Signs throughout the project site for the duration of the construction project providing notice of the environmentally sensitive nature of the work area, the potential for encountering various amphibians and reptiles and precautions to be taken to avoid injury to or mortality of these animals.

III. **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 projects 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.

IV. **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.

V. **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.

VI. **Reporting**

a. APT will submit monthly inspection reports (brief narrative and applicable photos) 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 the Corps and CTDEEP documenting the monitoring and maintenance of the barrier fence and erosion control measures.

c. Any observations of eastern box turtle or wood 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.

Saltmarsh Sharp-tailed Sparrow Protection Plan

The proposed Saltmarsh Sharp-tailed Sparrow protection program will require a nest inspection if work is proposed to be conducted during the sparrow's nesting season (May 15 to August 15).

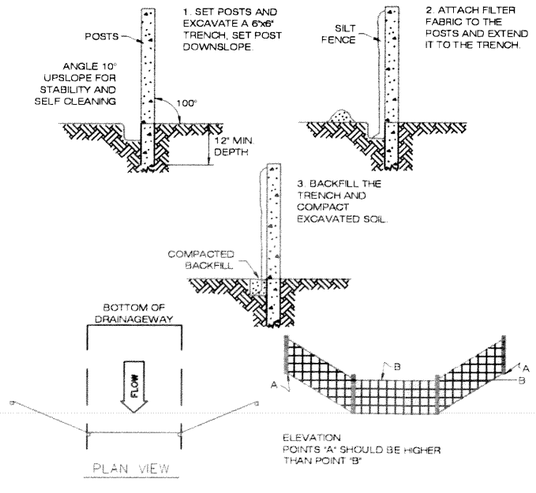
1. APT will perform an avian survey to determine if Saltmarsh Sharp-tailed Sparrow Plastic nesting occurs within 600 feet of proposed development activities.
2. If a nest is found within 600 feet of proposed development activities, work will need to be suspended during the nesting season to minimize potential impacts to this specie.

Restoration of Disturbed Wetland Areas

1. Upon completion of construction, all disturbed wetland areas shall be stabilized with a wetland seed mix containing only plant species native to New England and shall not contain any species listed in the "Invasive and Other Unacceptable Plant Species" Appendix in the "New England District Compensatory Mitigation Guidance".
2. The introduction or spread of invasive plant species in disturbed areas shall be controlled. If swamp or timber mats are to be used, they shall be thoroughly cleaned before re-use.
3. In areas of authorized temporary disturbance, if trees are cut they shall be cut at or above ground level and not uprooted in order to prevent disruption to the wetland soil structure and to allow stump sprouts to revegetate the work area, unless otherwise authorized.
4. Wetland areas where permanent disturbance is not authorized shall be restored to their original condition and elevation, which under no circumstances shall be higher than the preconstruction elevation. Original condition means careful protection and/or removal of existing soil and vegetation, and replacement back to the original location such that the original soil layering and vegetation schemes are approximately the same, unless otherwise authorized.

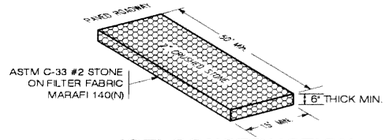
Culvert Replacement

1. Unconfined in-stream construction work shall be conducted during the low flow period June 1 through September 30 in any year except in instances where a specific written exception has been issued by the Connecticut Department of Energy & Environmental Protection.
2. All temporary fill must be removed as soon as it is no longer needed and all disturbed areas must be returned to their pre-construction conditions.



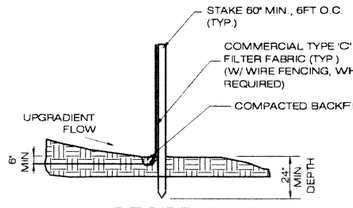
SILT FENCE CHECK DAM SEDIMENTATION CONTROL BARRIER

1 SP-2 SCALE : NTS



(CE) CONSTRUCTION ENTRANCE DETAIL

2 SP-2 SCALE : NTS



GEOTEXTILE SILT FENCE DETAIL

3 SP-2 SCALE : NTS

BAY COMMUNICATIONS SITE NUMBER: CT0007

APT FILING NUMBER: CT-265-160

BAY COMMUNICATIONS
391 OAKLAND STREET
MANSFIELD, MA 02048
(774) 719-2145

ALL-POINTS TECHNOLOGY CORPORATION
3 SADDLEBROOK DRIVE, KILLINGWORTH, CT 06419
PHONE: (860)-663-1697
FAX: (860)-663-0935
WWW.ALLPOINTSTECH.COM

DEVELOPMENT & MANAGEMENT DOCUMENTS

GUILFORD
MOOSE HILL ROAD
GUILFORD, CT 06437

DESIGN TYPE:

RAW LAND

REVISIONS:

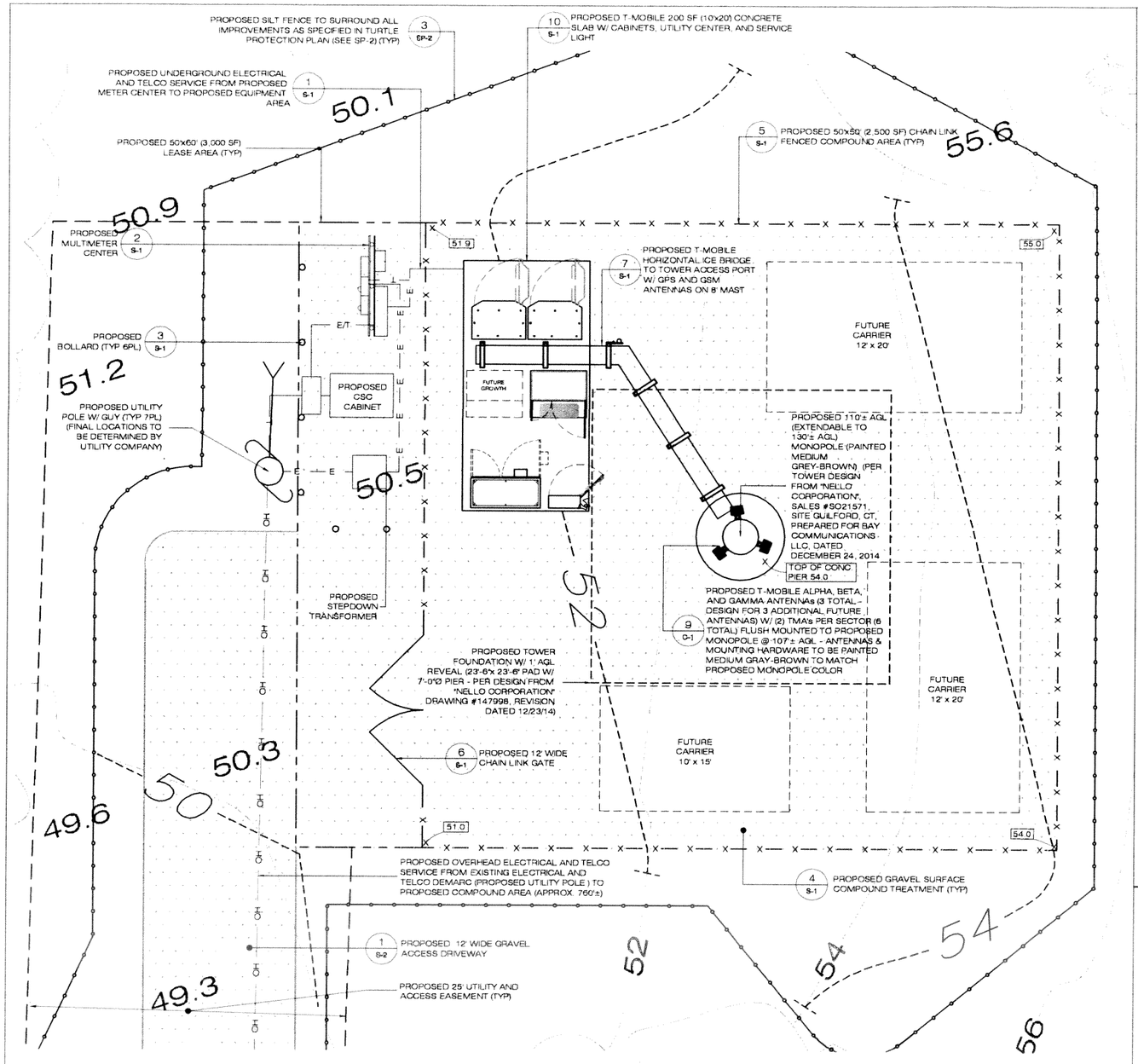
REV.0: 09/04/14: FOR REVIEW: SMC
REV.1: 01/13/15: TOWER REVISIONS: SMC
REV.2:
REV.3:
REV.4:
REV.5:

ENVIRONMENTAL NOTES & DETAILS

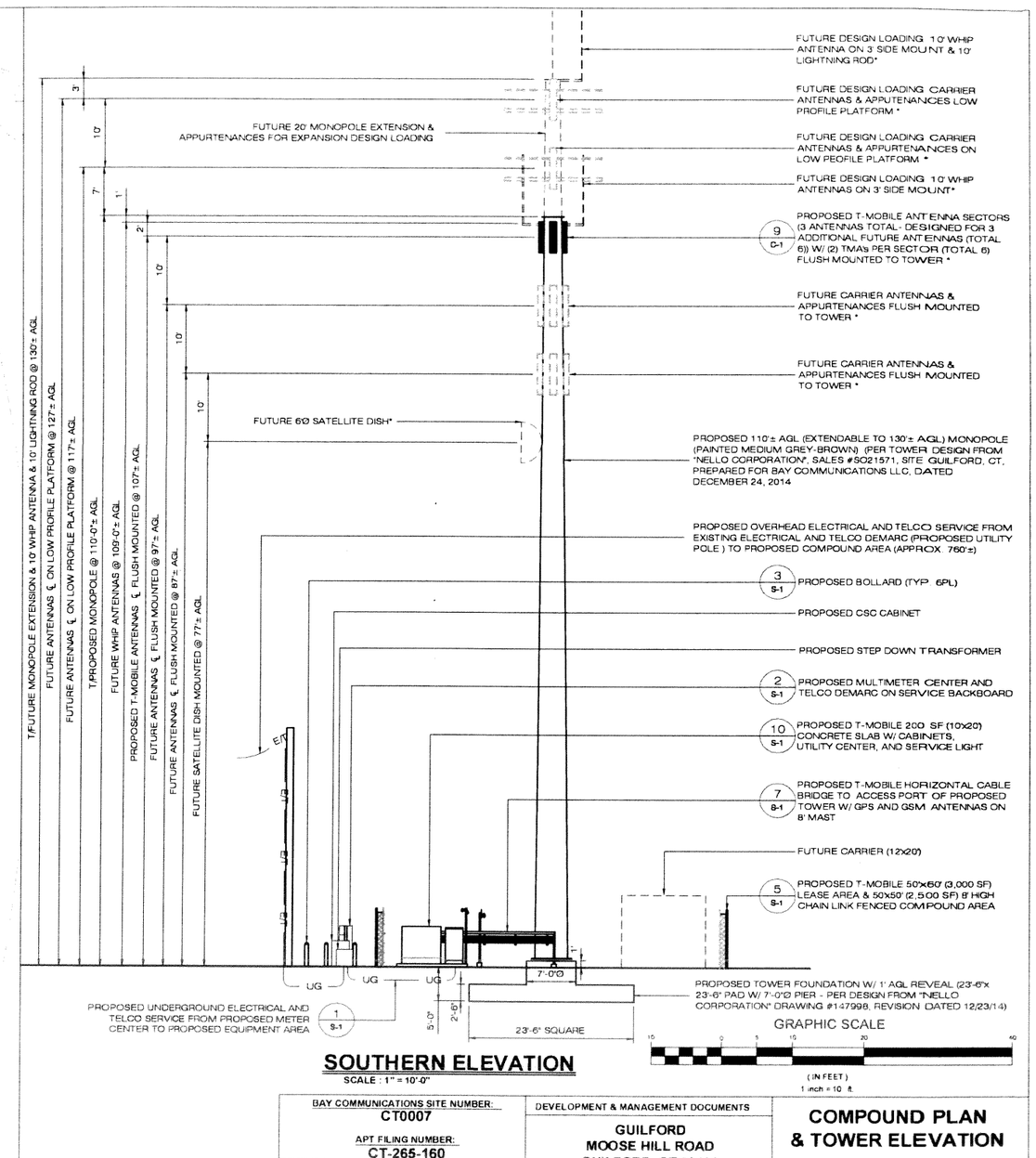
APT FILING NUMBER: CT-265-160
APT DRAWING NUMBER: CT0007
DRAWN BY: RCB
CHECKED BY: SMC
SCALE: AS NOTED
DATE: 09/04/14

SHEET NUMBER:

SP-2



COMPOUND PLAN
SCALE : 1" = 5'-0"



SOUTHERN ELEVATION
SCALE : 1" = 10'-0"

* NOTE: ALL ANTENNAS & MOUNTING HARDWARE TO BE PAINTED MEDIUM GRAY-BROWN TO MATCH PROPOSED MONOPOLE COLOR

ENGINEERING ANALYSIS AND CERTIFICATION

IN ACCORDANCE WITH THE 2005 CONNECTICUT STATE BUILDING CODE AND THE ELECTRONIC INDUSTRIES ASSOCIATION STANDARD EIA/TIA-222-F 'STRUCTURAL STANDARDS FOR STEEL ANTENNA TOWERS AND ANTENNA SUPPORT STRUCTURES' FOR NEW HAVEN COUNTY, THE TOWER WOULD BE DESIGNED TO WITHSTAND PRESSURES EQUIVALENT TO A MAXIMUM 85 MPH WIND. THE FOUNDATION DESIGN WOULD BE BASED ON SOIL CONDITIONS AT THE SITE

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REV.5:

COMPOUND PLAN & TOWER ELEVATION

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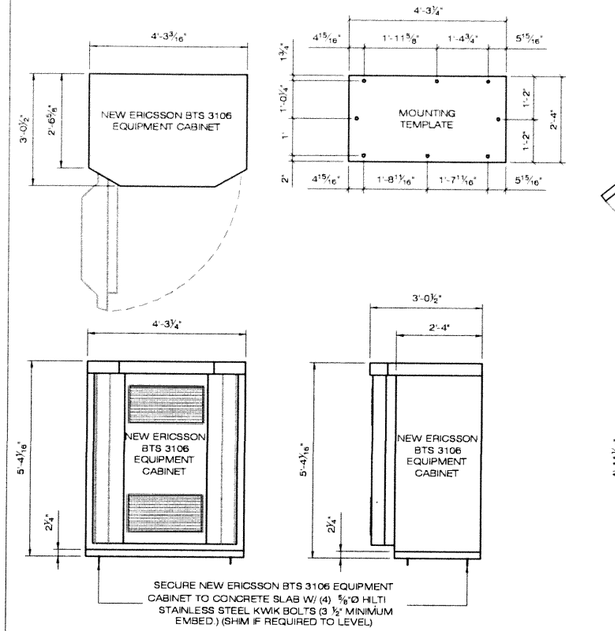
DRAWN BY: RCB
SCALE: AS NOTED
CHECKED BY: SMC
DATE: 09/04/14

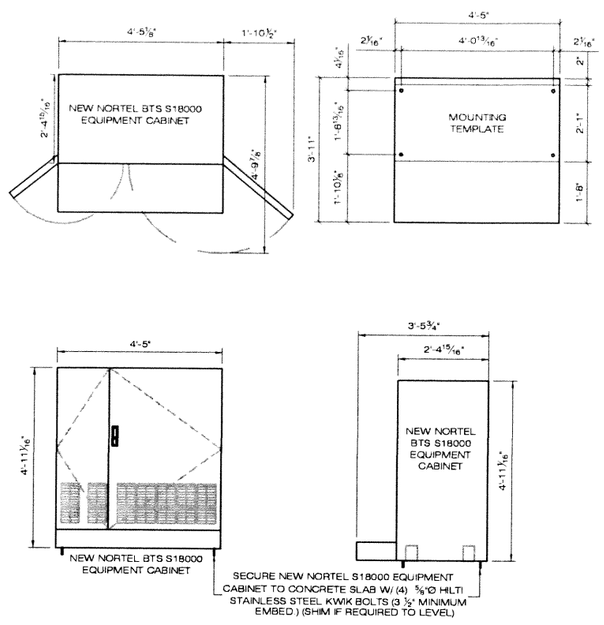
SHEET NUMBER:

A-1



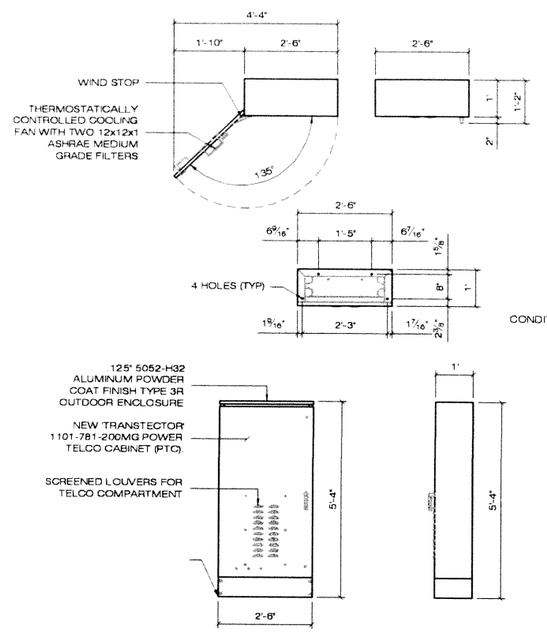
1 C-1 ERICSSON RBS 3106 EQUIPMENT CABINET

SCALE : 1/2" = 1'-0"



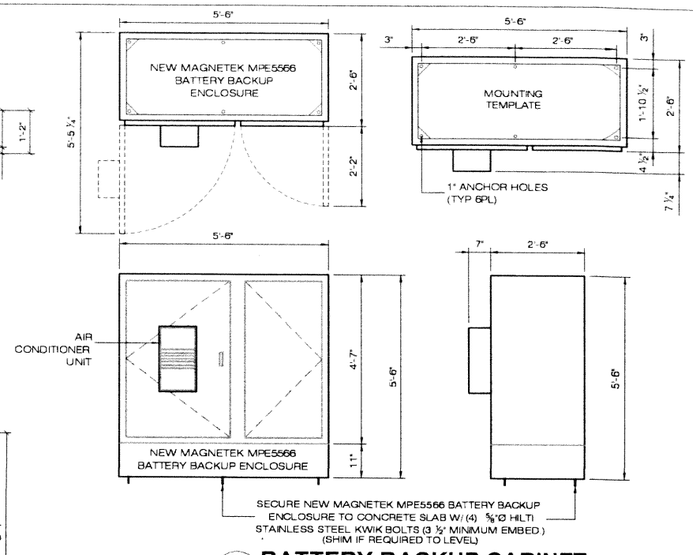
2 C-1 NORTEL BTS S18000 EQUIPMENT CABINET

SCALE : 1/2" = 1'-0"



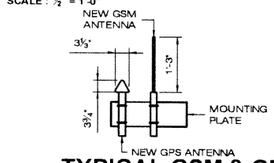
3 C-1 TRANSTECTOR PTC CABINET

SCALE : 1/2" = 1'-0"



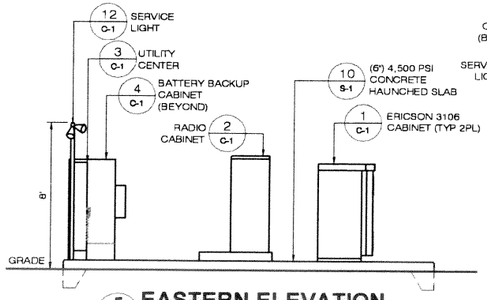
4 C-1 BATTERY BACKUP CABINET

SCALE : 1/2" = 1'-0"



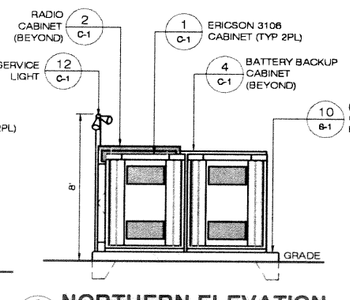
13 C-1 TYPICAL GSM & GPS ANTENNA DETAILS

SCALE : NTS



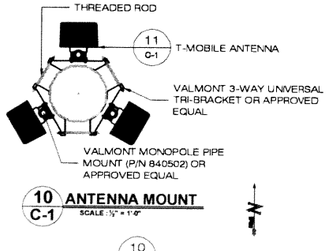
5 C-1 EASTERN ELEVATION

SCALE : 1/4" = 1'-0"



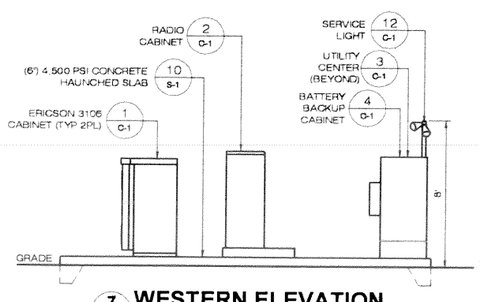
6 C-1 NORTHERN ELEVATION

SCALE : 1/4" = 1'-0"



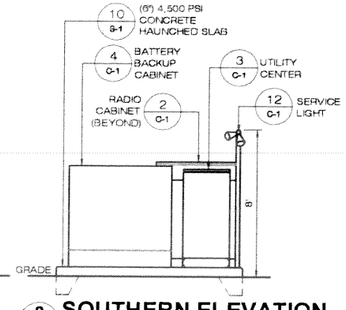
10 C-1 ANTENNA MOUNT

SCALE : 1/2" = 1'-0"



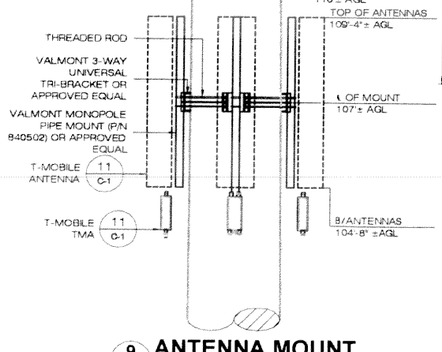
7 C-1 WESTERN ELEVATION

SCALE : 1/4" = 1'-0"



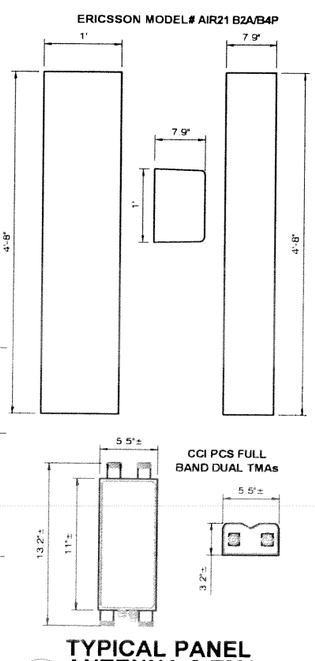
8 C-1 SOUTHERN ELEVATION

SCALE : 1/4" = 1'-0"



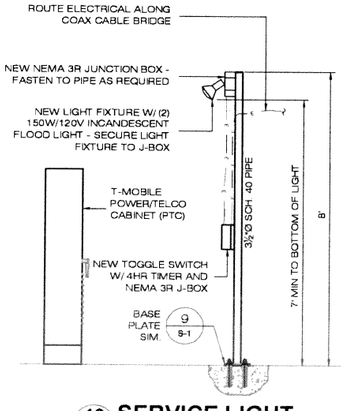
9 C-1 ANTENNA MOUNT

SCALE : 1/2" = 1'-0"



11 C-1 TYPICAL PANEL ANTENNA & TMA

SCALE : NTS



12 C-1 SERVICE LIGHT

SCALE : 1/2" = 1'-0"

DESIGN LOAD CRITERIA

EQUIPMENT SHELTER SHALL BE DESIGNED AND MANUFACTURED TO MEET ALL STATE AND LOCAL CODES. ITS LAYOUT SHALL BE COORDINATED WITH CARRIERS.

DESIGN BASIS	CONNECTICUT
GOVERNING CODE	STATE BUILDING CODE
DESIGN LIVE LOADS	40 PSF (ASCE 7-02)
IMPORTANCE CATEGORY	II
SNOW LOAD:	
GROUND SNOW LOAD (Pg)	30 PSF
IMPORTANCE FACTOR	1.0
EXPOSURE FACTOR (Ce)	0.9
THERMAL FACTOR (Ct)	1.0
WIND LOAD:	
BASIC WIND LOAD	110 MPH (3 SECOND GUST) / 85 MPH (FASTEST MILE)
EXPOSURE GROUP	C
IMPORTANCE FACTOR	1.00
EQUIPMENT LOAD:	
EQUIPMENT DL	9,000 LBS
SEISMIC DESIGN PARAMETERS:	
SEISMIC USE GROUP	I
MCE SPECTRAL ACCELERATION SHORT (Ss)	0.229
MCE SPECTRAL ACCELERATION SHORT (S1)	0.050
SITE CLASS	D FOR UNKNOWN SOIL PROPERTIES
IMPORTANCE FACTOR	1.0

BAY COMMUNICATIONS SITE NUMBER:
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APT FILING NUMBER:
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DEVELOPMENT & MANAGEMENT DOCUMENTS

GUILFORD
MOOSE HILL ROAD
GUILFORD, CT 06437

DESIGN TYPE:

RAW LAND

REVISIONS:

REV.0: 09/04/14: FOR REVIEW: SMC
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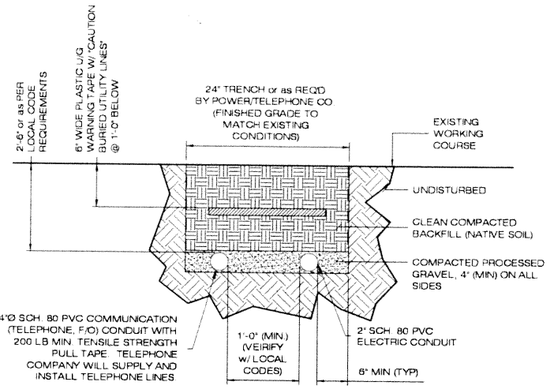
REV.2:
REV.3:
REV.4:
REV.5:

T-MOBILE EQUIPMENT PLAN & DETAILS

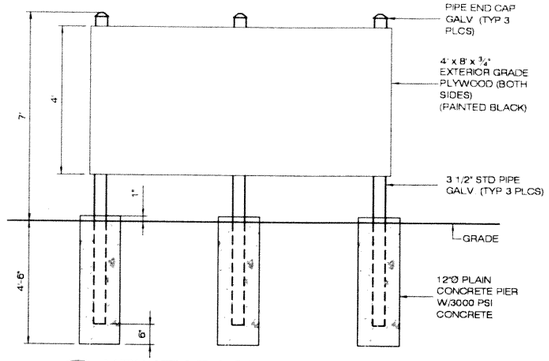
APT FILING NUMBER: CT-265-160
APT DRAWING NUMBER: CT0007
DRAWN BY: RCB | SCALE: AS NOTED
CHECKED BY: SMC | DATE: 09/04/14

SHEET NUMBER:

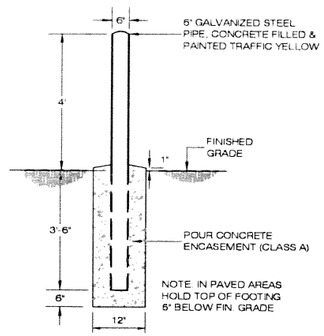
C-1



1 S-1 SECONDARY TRENCH DETAIL
SCALE : N.T.S.



2 S-1 UTILITY BACKBOARD DETAIL
SCALE : NTS



3 S-1 BOLLARD DETAIL
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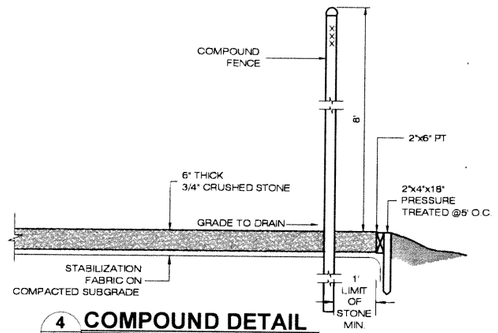
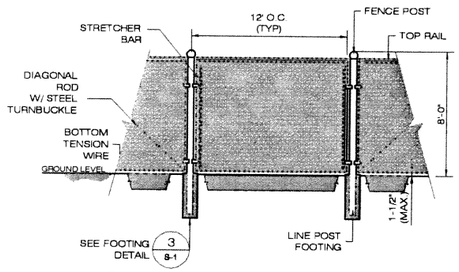
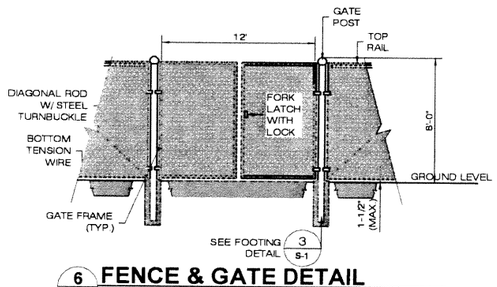


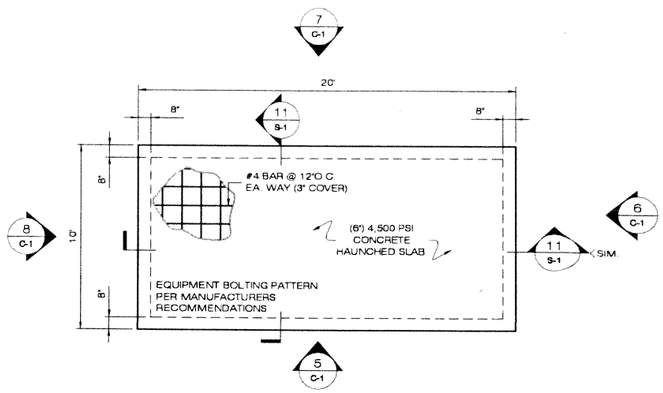
4 S-1 COMPOUND DETAIL
SCALE : NTS



5 S-1 CHAIN-LINK FENCING DETAIL
SCALE : NTS

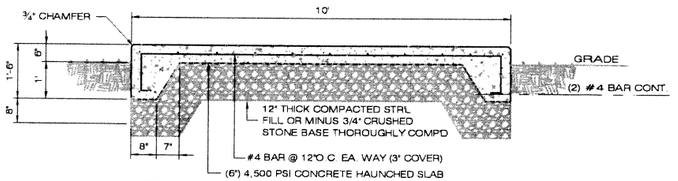


6 S-1 FENCE & GATE DETAIL
SCALE : N.T.S.



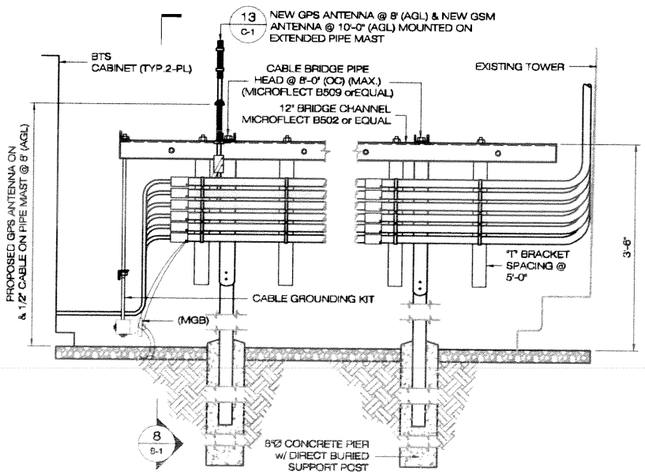
TRUE N

10 S-1 HAUNCHED SLAB PLAN
SCALE : ¼" = 1'-0"

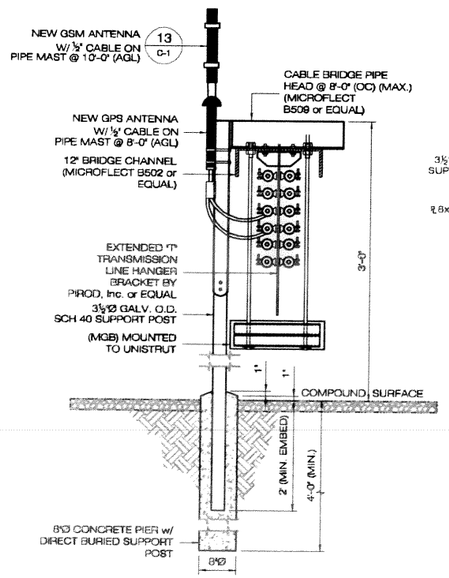


NOTES:
1. CONCRETE SHALL BE F'c = 4,500 PSI (MIN.) @ 28 DAYS WITH MAXIMUM WATER/CEMENT (W/C) RATIO = 0.45 AND AIR ENTRAINED IN ACCORDANCE WITH IBC SECTION 1904 "DURABILITY REQUIREMENTS".
2. DEFORMED REINFORCING BARS SHALL BE FABRICATED WITHOUT SPLICES. SUPPORT BAR MAT ON CONCRETE BRICK.
3. ALL INTERSECTING BARS SHALL BE TIED. TURN ENDS OF TIE WIRE AWAY FROM EXPOSED SURFACES.

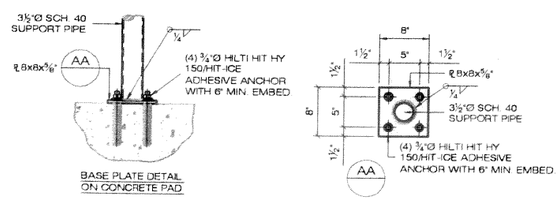
11 S-1 HAUNCHED SLAB DETAIL
SCALE : ½" = 1'-0"



7 S-1 CABLE BRIDGE DETAIL
SCALE : N.T.S.



8 S-1 SECTION VIEW
SCALE : N.T.S.



9 S-1 HAUNCHED SLAB PLAN
SCALE : N.T.S.

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COMPOUND DETAILS

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APT DRAWING NUMBER: CT0007
DRAWN BY: RCB
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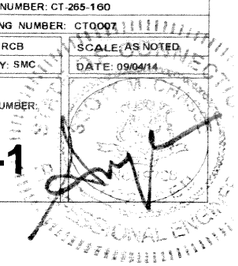
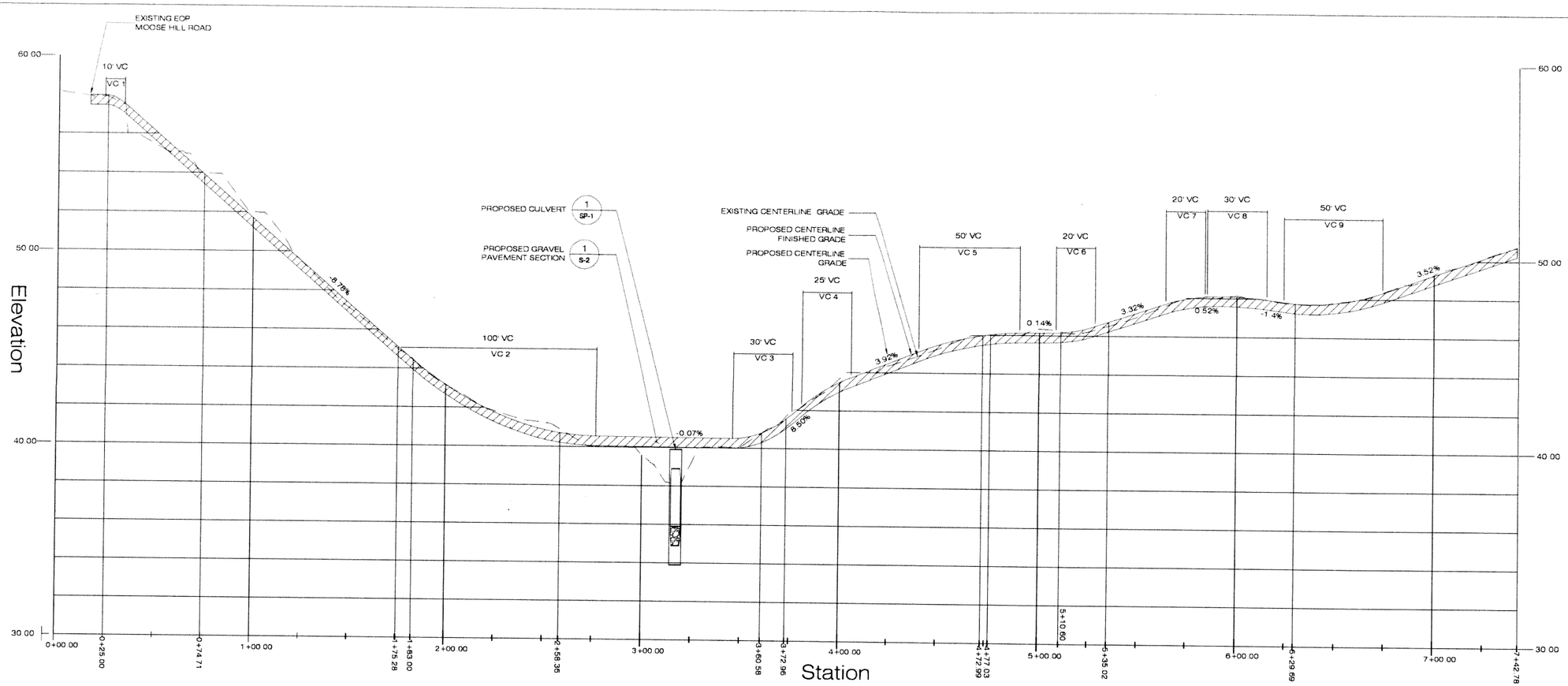
SHEET NUMBER: S-1





VERTICAL CURVE TABLE					
LINE #	PVI STA	GRADE IN	GRADE OUT	LENGTH	K VALUE
VC1	0+28.54	0.14%	-8.78%	10.00	1.12
VC2	2+26.53	-8.78%	-0.07%	100.00	11.48
VC3	3+60.95	-0.07%	8.50%	30.00	3.50
VC4	3+93.23	8.50%	3.92%	25.00	5.46
VC5	4+65.71	3.92%	0.14%	50.00	13.22
VC6	5+18.16	0.14%	3.32%	20.00	6.30
VC7	5+74.81	3.32%	0.52%	20.00	7.15
VC8	6+00.10	0.52%	-1.4%	30.00	15.58
VC9	6+48.95	-1.4%	3.52%	50.00	10.15

LINE TABLE FOR ALIGNMENT		
LINE #	LENGTH	DIRECTION
L1	25.0	S83° 22' 51.62"E
L2	100.57	S81° 31' 03.10"E
L3	75.36	S63° 43' 43.91"E
L4	12.38	N66° 14' 07.17"E
L5	4.03	N20° 22' 56.93"E
L6	24.42	N75° 20' 50.30"E
L7	113.09	N18° 14' 59.39"E

CURVE TABLE FOR ALIGNMENT			
CURVE #	RADIUS	LENGTH	CHORD DIRECTION
C1	356.00	49.71	S79° 22' 50.13"E
C2	200.00	7.72	S82° 37' 23.51"E
C3	195.00	102.22	N81° 15' 11.63"E
C4	125.00	100.03	N43° 18' 32.05"E
C5	35.00	33.56	N47° 51' 53.61"E
C6	95.00	94.67	N46° 47' 54.84"E

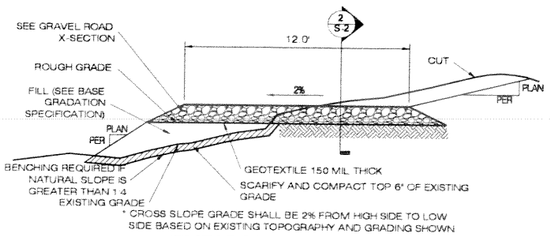
PROPOSED ACCESS ROAD CENTERLINE PROFILE

SCALE : 1"=30' HORIZONTAL
1"= 3' VERTICAL

GRAPHIC SCALE

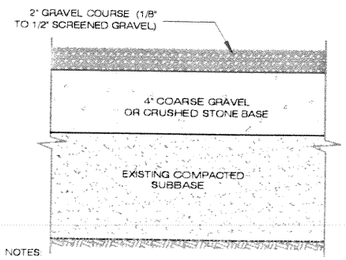
30 0 15 30 60 120

(IN FEET)
1 inch = 30ft.



1 S-2 **TYPICAL GRAVEL ROAD SECTION**

SCALE : NTS



NOTES:

1. SUBBASE MAY CONSIST OF NATIVE MATERIALS IF FOUND ACCEPTABLE BY THE ENGINEER. SUBBASE TO BE COMPACTED TO 95% MAX DRY DENSITY.
2. SUBBASE IS TO CLEAN GRANULAR MATERIAL (SEE NOTES, SHEET N-1), FREE FROM DEBRIS AND UNSUITABLE MATERIALS
3. RECYCLED CONCRETE MAY BE SUBSTITUTED FOR GRAVEL OR CRUSHED STONE BASE IN NON-WETLANDS AREAS

2 S-2 **GRAVEL ROAD X-SECTION**

SCALE : NTS

BAY COMMUNICATIONS SITE NUMBER:
CT0007

APT FILING NUMBER:
CT-265-160

BAY COMMUNICATIONS
391 OAKLAND STREET
MANSFIELD, MA 02048
(774) 719-2148

ALL-POINTS TECHNOLOGY CORPORATION
3 SADDLEBROOK DRIVE
KILLINGWORTH, CT 06419
WWW.ALLPOINTSTECH.COM
PHONE: (860)-663-1697
FAX (860)-663-0935

DEVELOPMENT & MANAGEMENT DOCUMENTS

GUILFORD
MOOSE HILL ROAD
GUILFORD, CT 06437

DESIGN TYPE:
RAW LAND

REVISIONS:
REV 0: 09/04/14: FOR REVIEW: SMC
REV 1: 01/13/15: TOWER REVISIONS: SMC
REV 2:
REV 3:
REV 4:
REV 5:

ACCESS DRIVEWAY PROFILE & DETAILS

APT FILING NUMBER: CT-265-160	
APT DRAWING NUMBER: CT0007	
DRAWN BY: RCB	SCALE: AS NOTED
CHECKED BY: SMC	DATE: 09/04/14

SHEET NUMBER:
S-2

GENERAL NOTES:

1. ALL WORK SHALL BE PERFORMED IN CONFORMANCE WITH THE TURTLE PROTECTION PLAN AS SHOWN ON DRAWING SP-2.

2. ALL MATERIALS AND METHODS OF CONSTRUCTION SHALL COMPLY WITH THE STANDARDS AND SPECIFICATIONS OF THE TOWN OF GUILFORD, AND OTHER GOVERNMENTAL AGENCIES, AS APPLICABLE.

3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SECURING ALL NECESSARY PERMITS BEFORE COMMENCING WORK. THE CONTRACTOR SHALL FOLLOW CONDITIONS OF ALL APPLICABLE PERMITS AND WORK IN ACCORD WITH OSHA REGULATIONS.

3. UTILITY INFORMATION SHOWN ON THE PLAN IS BASED ON VISIBLE FIELD EVIDENCE AND AVAILABLE RECORDS. THE CONTRACTOR SHALL FIELD VERIFY THE LOCATION OF ALL UTILITIES PRIOR TO COMMENCING WORK. THE CONTRACTOR IS ADVISED THAT THESE DRAWINGS MAY NOT ACCURATELY DEPICT AS-BUILT LOCATIONS AND OTHER UNKNOWN STRUCTURES. THE CONTRACTOR SHALL THEREFORE DETERMINE THE EXACT LOCATION OF EXISTING UNDERGROUND ELEMENTS AND EXCAVATE WITH CARE AFTER CALLING MARKOUT SERVICE AT 1-800-922-4455 (72) HOURS BEFORE DIGGING, DRILLING OR BLASTING. CARE SHALL BE TAKEN NOT TO DISTURB EXISTING UTILITIES AND SERVICE CONNECTIONS (OR PORTIONS THERE OF) TO REMAIN. CONTRACTOR IS RESPONSIBLE FOR REPAIRING OR REPLACING STRUCTURES OR UTILITIES DAMAGED BY HIS OPERATIONS.

4. THE CONTRACTOR IS RESPONSIBLE FOR THE INSTALLATION OF NEW SERVICE CONNECTIONS AND SHALL COORDINATE WORK WITH THE APPROPRIATE UTILITY COMPANY.

5. ALL EXISTING ACTIVE SEWER, WATER, GAS, ELECTRIC, FIBER OPTIC, AND OTHER UTILITIES WHERE ENCOUNTERED IN THE WORK, SHALL BE PROTECTED AT ALL TIMES, AND WHERE REQUIRED FOR THE PROPER EXECUTION OF THE WORK, SHALL BE RELOCATED AS DIRECTED BY THE ENGINEER.

6. EXTREME CAUTION SHOULD BE USED BY THE CONTRACTOR WHEN EXCAVATING OR PIER DRILLING AROUND OR NEAR UTILITIES. CONTRACTOR SHALL PROVIDE SAFETY TRAINING FOR THE WORKING CREW. THIS WILL INCLUDE, BUT NOT BE LIMITED TO:
   A) FALL PROTECTION,
   B) CONFINED SPACE ENTRY,
   C) ELECTRICAL SAFETY, AND
   D) TRENCHING & EXCAVATION.

7. ELECTRIC SERVICE SHALL BE COORDINATED WITH CONNECTICUT LIGHT & POWER (CL & P).

8. ALL ELEVATIONS SHOWN ARE IN N.G.V. DATUM 1929.

9. ALL RUBBISH, STUMPS, DEBRIS, STICKS, STONES, AND OTHER REFUSE SHALL BE REMOVED FROM THE SITE AND DISPOSED OF LEGALLY.

10. CONTRACTOR SHALL PROTECT EXISTING PAVED AND GRAVEL SURFACES, CURBS, LANDSCAPE AND STRUCTURES AND RESTORE SITE TO PRECONSTRUCTION CONDITION WITH AS GOOD, OR BETTER, MATERIALS. NEW MATERIALS SHALL MATCH EXISTING THICKNESS AND TYPE.

11. THE CONTRACTOR SHALL SHORE ALL TRENCH EXCAVATION GREATER THAN 5 FEET IN DEPTH OR LESS WHERE SOIL CONDITIONS ARE DEEMED UNSTABLE. ALL SHEETING AND/OR SHORING METHODS SHALL BE DESIGNED BY A PROFESSIONAL ENGINEER.

12. THE CONTRACTOR IS RESPONSIBLE FOR MANAGING GROUNDWATER LEVELS IN THE VICINITY OF EXCAVATIONS TO PROTECT ADJACENT PROPERTIES AND NEW WORK. GROUNDWATER SHALL BE DRAINED IN ACCORDANCE WITH LOCAL SEDIMENTATION & EROSION CONTROL GUIDELINES.

13. THE CONTRACTOR IS REQUIRED TO REVIEW THE STATEMENT OF SPECIAL INSPECTION PRIOR TO THE START OF WORK. THE CONTRACTOR TO PROVIDE E-MAIL REQUEST TO THE PROJECT ENGINEER FOR INSPECTION 72 HOURS IN ADVANCE OF INSPECTION.

14. EXCAVATION.
CONTRACTOR SHALL GRADE ONLY AREAS SHOWN TO BE MODIFIED HEREIN AND ONLY TO THE EXTENT REQUIRED TO SHED OVERLAND WATER FLOW AWAY FROM SITE. ALL SLOPES SHALL NOT BE STEEPER THAN 3:1 (HORIZ:VERT).

BEDROCK SUBGRADE SHOULD NOT BE STEEPER THAN 4H:1V. HIGH SPOTS IN BEDROCK SUBGRADES MAY NEED TO BE REMOVED AND LOW SPOTS MAY BE FILLED WITH LEAN CONCRETE OR MINUS ¾" CRUSHED STONE TO PROVIDE A LEVEL SURFACE. BEDROCK SUBGRADES DO NOT REQUIRE PROOFROLLING.

SEDIMENTATION AND EROSION CONTROLS SHOWN AND SPECIFIED SHALL BE ESTABLISHED BEFORE STRIPPING EXISTING VEGETATION.

ORGANIC MATERIAL AND DEBRIS SHALL BE STRIPPED AND STOCKPILED BEFORE ADDING FILL MATERIAL.

NO FILL OR EMBANKMENT MATERIAL SHALL BE PLACED ON FROZEN GROUND. FROZEN MATERIALS, SNOW OR ICE SHALL NOT BE PLACED IN ANY FILL OR EMBANKMENT.

ALL FILL SHALL BE PLACED IN EIGHT INCH LIFTS AND COMPACTED IN PLACE. STRUCTURAL FILL SHALL BE COMPACTED TO 95% MAXIMUM MODIFIED PROCTOR DRY DENSITY TESTED IN ACCORDANCE WITH ASTM D1557, METHOD C.

EXCAVATIONS FOR FOOTINGS SHALL BE CUT LEVEL TO THE REQUIRED DEPTH AND TO UNDISTURBED SOIL. REPORT UNSUITABLE SOIL CONDITIONS TO THE ENGINEER.

STRUCTURAL FILL SHALL BE TESTED FOR MOISTURE CONTENT AND COMPACTION DURING PLACEMENT. SHOULD THE RESULTS OF THE IN-PLACE DENSITY TESTS INDICATE THE SPECIFIED MOISTURE OR COMPACTION LIMITS HAVE NOT BEEN MET, THE AREA REPRESENTED BY THE TEST SHOULD BE REWORKED AND RETESTED, AS REQUIRED, UNTIL THE SPECIFIED MOISTURE AND COMPACTION REQUIREMENTS ARE ACHIEVED.

EQUIPMENT CABINETS MAY BE SUPPORTED ON SLABS-ON-GRADE UNDERLAIN BY AT LEAST A 12-INCH THICKNESS OF COMPACTED STRUCTURAL FILL OR MINUS ¾-INCH CRUSHED STONE PLACED ON THE EXISTING FILL, THE SURFACE OF WHICH SHOULD BE THOROUGHLY COMPACTED AND CLEAR OF ORGANIC MATTER.

THE AREA UNDERLYING THE SLABS SHOULD BE ROUGH GRADED AND THEN THOROUGHLY PROOFROLLED WITH A VIBRATORY ROLLER OR HEAVY PLATE COMPACTOR PRIOR TO FINAL GRADING AND PLACEMENT OF STRUCTURAL FILL OR MINUS ¾-INCH CRUSHED STONE.

A SOIL UNIT WEIGHT OF 100 LBS PER CUBIC FOOT (PCF) SHOULD BE USED FOR ENGINEERED FILL OVERLYING THE FOOTINGS.

TRENCH EXCAVATIONS SHALL BE BACKFILLED AT THE END OF EACH DAY.

SURPLUS MATERIAL SHALL BE REMOVED FROM THE SITE.

TOWER FOUNDATION EXCAVATION, BACKFILL AND COMPACTION SHALL BE IN ACCORD WITH TOWER MANUFACTURER'S DESIGNS AND SPECIFICATIONS.

CONTRACTOR TO VERIFY THAT FOOTING ELEVATIONS AND PIER ELEVATION PROVIDED HEREIN ARE CONSISTENT WITH THE TOWER DESIGN REQUIREMENTS.

14. MATERIALS.
NATIVE GRAVEL MATERIAL MAY BE USED FOR TRENCH BACKFILL WHERE SELECT MATERIAL IS NOT SPECIFIED. GRAVEL MATERIAL FOR CONDUIT TRENCH BACKFILL SHALL NOT CONTAIN ROCK GREATER THAN 2 INCHES IN DIAMETER.

BANK OR CRUSHED GRAVEL SHALL CONSIST OF TOUGH, DURABLE PARTICLES OF CRUSHED OR UNCRUSHED GRAVEL FREE OF SOFT, THIN, ELONGATED OR LAMINATED PIECES AND MEET THE GRADATION.

FILL SHOULD MEET THE FOLLOWING MATERIAL PROPERTY REQUIREMENTS:

FILL TYPE (1)	USCS CLASSIFICATION	ACCEPTABLE LOCATION FOR PLACEMENT
STRUCTURAL FILL	GW (2)	STRUCTURAL FILL MAY BE USED FOR FOUNDATION BEARING SUPPORT AND/OR PASSIVE BACKFILL MATERIAL. ALL STRUCTURAL FILL SHALL MEET THE GRADATION REQUIREMENTS IN NOTE 2, BELOW. STRUCTURAL FILL THAT IS PLACED BENEATH THE FOUNDATION SHALL EXTEND LATERALLY TWO (2) FEET FROM THE EDGE OF THE FOOTING AND OUTWARD AND DOWNWARD AT A 1H:1V SPLAY. ALL STRUCTURAL FILL IS TO BE PLACED IN SIX (6) INCH LIFTS COMPACTED TO 95% OF THE MAXIMUM DRY DENSITY, AS DETERMINED BY ASTM D-1556, METHOD C. THE ADEQUACY OF FIELD COMPACTION SHALL BE VERIFIED BY FIELD DENSITY TESTING.
COMMON FILL	VARIES	COMMON FILL SHOULD CONSIST OF GRANULAR SOIL FREE OF ORGANIC MATERIAL, TOPSOIL, DEBRIS, FROZEN SOIL OR OTHER DELETERIOUS MATERIAL THAT CANNOT BE PROPERLY COMPACTED. COMMON FILL SHOULD CONTAIN STONES NO LARGER THAN 6 INCHES AND SHOULD HAVE NO MORE THAN 35 PERCENT OF MATERIAL PASSING THE No. 200 SIEVE. COMMON FILL SHOULD BE PLACED IN LAYERS NOT TO EXCEED 12 INCHES, AS PLACED, AND COMPACTED WITH SUITABLE VIBRATORY COMPACTION EQUIPMENT TO AT LEAST 92 PERCENT OF MAXIMUM DRY DENSITY AS DETERMINED BY ASTM D1557.

1. COMPACTED FILL SHOULD CONSIST OF APPROVED MATERIALS THAT ARE FREE OF ORGANIC MATTER AND DEBRIS. FROZEN MATERIAL SHOULD NOT BE USED. FILL SHOULD NOT BE PLACED ON A FROZEN SUBGRADE.

2. IMPORTED STRUCTURAL FILL SHOULD MEET THE FOLLOWING GRADATION:
PERCENT PASSING BY WEIGHT

SIEVE SIZE	STRUCTURAL FILL
5"	100
¾"	70-100
NO. 4	20-80
NO. 200	0-10

SEDIMENTATION/EROSION

1. THE CONTRACTOR SHALL MINIMIZE DISTURBANCE TO THE EXISTING SITE DURING CONSTRUCTION. EROSION CONTROL MEASURES SHALL BE IN CONFORMANCE WITH THE 2002 CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL.

2. CONTRACTOR SHALL PERFORM CONSTRUCTION SEQUENCING SUCH THAT EARTH MATERIALS ARE EXPOSED FOR A MINIMUM OF TIME BEFORE THEY ARE COVERED, SEEDED, OR OTHERWISE STABILIZED TO PREVENT EROSION.
THE FOLLOWING GENERAL CONDITIONS SHALL BE OBSERVED:

A. LIMITS OF CLEARING AND GRUBBING SHALL BE CLEARLY MARKED BEFORE COMMENCING WITH SUCH WORK.

B. EXISTING VEGETATION TO REMAIN SHALL BE PROTECTED AND REMAIN UNDISTURBED.

C. CLEARING AND GRADING SHALL BE SCHEDULED SO AS TO MINIMIZE THE SIZE OF EXPOSED AREAS AND THE LENGTH OF TIME THAT AREAS ARE EXPOSED.

D. TOPSOIL SHALL BE SPREAD TO FINISH GRADES AND SEEDED AS SOON AS FINISHED GRADES ARE ESTABLISHED. STRAW MULCH, JUTE NETTING OR MATS SHALL BE USED WHERE THE NEW SEED IS PLACED.

E. THE LENGTH AND STEEPNESS OF CLEARED SLOPES SHALL BE MINIMIZED TO REDUCE RUNOFF VELOCITIES.

F. RUNOFF SHALL BE DIVERTED AWAY FROM CLEARED SLOPES.

G. ALL SEDIMENT SHALL BE TRAPPED ON THE SITE.

3. SEDIMENTATION AND EROSION CONTROL (SEC) MEASURES SHOWN SHALL BE INSTALLED PRIOR TO LAND CLEARING, EXCAVATION OR GRADING OPERATIONS. REQUIREMENTS SPECIFIED SHALL BE MET PRIOR TO COMMENCING EARTHWORK OPERATIONS.

4. IT IS THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN SEC MEASURES THROUGHOUT DURATION OF PROJECT UNTIL DISTURBED LAND IS THOROUGHLY VEGETATED.

5. FAILURE OF THE SEC SYSTEMS SHALL BE CORRECTED IMMEDIATELY AND SUPPLEMENTED WITH ADDITIONAL MEASURES AS NEEDED.

6. VEGETATIVE SEEDING: UON, AREA TO BE SEEDED SHALL BE LOOSE AND FRIABLE TO A DEPTH OF 3". TOPSOIL SHALL BE LOOSENED BY RAKING OR DISKING BEFORE SEEDING. APPLY 50 LBS. OF DOLOMITIC LIMESTONE AND 25 LBS. OF 10-10-10 FERTILIZER PER 1000 SF. HARROW LIME AND FERTILIZER INTO LOOSE SOIL. APPLY COMMON BERMUDA AND RYE GRASS AT 50 LBS/ACRE. USE CYCLONE SEED DRILL, CULTIPACKER SEEDER OR HYDROSEEDER (SEED & FERTILIZER SLURRY) FOR STEEP SLOPES. IRRIGATE UNTIL VEGETATION IS COMPLETELY ESTABLISHED.

7. PRIOR TO STARTING ANY OTHER WORK ON THE SITE, THE CONTRACTOR SHALL NOTIFY APPROPRIATE AGENCIES AND SHALL INSTALL EROSION CONTROL MEASURES AS SHOWN ON THE PLANS AND AS IDENTIFIED IN FEDERAL, STATE, AND LOCAL APPROVAL DOCUMENTS PERTAINING TO THIS PROJECT.

8. INSPECT AND MAINTAIN EROSION CONTROL MEASURES, AND REMOVE SEDIMENT THEREFROM ON A WEEKLY BASIS AND WITHIN TWELVE HOURS AFTER EACH STORM EVENT AND DISPOSE OF SEDIMENTS IN AN UPLAND AREA SUCH THAT THEY DO NOT ENCUMBER OTHER DRAINAGE STRUCTURES AND PROTECTED AREAS.

9. CONTRACTOR SHALL BE FULLY RESPONSIBLE TO CONTROL CONSTRUCTION SUCH THAT SEDIMENTATION SHALL NOT AFFECT REGULATORY PROTECTED AREAS, WHETHER SUCH SEDIMENTATION IS CAUSED BY WATER, WIND, OR DIRECT DEPOSIT.

10. UPON COMPLETION OF CONSTRUCTION AND ESTABLISHMENT OF PERMANENT GROUND COVER, CONTRACTOR SHALL REMOVE AND DISPOSE OF EROSION CONTROL MEASURES AND CLEAN SEDIMENT AND DEBRIS FROM ENTIRE DRAINAGE SYSTEMS LOCATED ON SITE.

11. APPROPRIATE MEANS SHALL BE USED TO CONTROL DUST DURING CONSTRUCTION.

12. A STABILIZED CONSTRUCTION ENTRANCE SHALL BE MAINTAINED TO PREVENT SOIL AND LOOSE DEBRIS FORM BEING TRACKED ONTO LOCAL ROADS. THE CONSTRUCTION ENTRANCE SHALL BE MAINTAINED UNTIL THE SITE IS PERMANENTLY STABILIZED.

13. CONTRACTOR SHALL MINIMIZE DISTURBANCE TO EXISTING SITE DURING CONSTRUCTION. EROSION CONTROL MEASURES SHALL BE IN CONFORMACE WITH THE STATE OF CONNECTICUT GUIDELINES FOR EROSION AND SEDIMENT CONTROL, AS AMENDED.

14. TEMPORARY SILT FENCE EROSION CONTROL BARRIER SHALL BE MAINTAINED THROUGHOUT SITE CONSTRUCTION. STOCKPILE ON SITE 100 FT. OF SILT FENCE FOR EMERGENCY USE. TEMPORARY EROSION BARRIERS SHALL REMAIN IN PLACE UNTIL PERMANENT VEGETATIVE GROUND COVER IS ESTABLISHED.

15. ALL DISTURBED AREAS OUTSIDE THE LIMITS OF THE EQUIPMENT LEASE AREA SHALL BE PERMANENTLY ESTABLISHED WITH A VEGETATIVE GROUND COVER.

16. STILLING BASIN SHALL BE UTILIZED FOR ANY DE-WATERING DISCHARGE WHICH MAY OCCUR DURING CONSTRUCTION OPERATIONS.

17. PROPOSED CONSTRUCTION IMPACTS AND PERMANENT IMPROVEMENTS SHALL NOT SIGNIFICANTLY IMPACT STORM WATER RUNOFF PATTERNS, VOLUME OR PEAK FLOW RATES. THE FLAT GRADE OF THE EQUIPMENT COMPOUND AND STONE SURFACE WILL PROMOTE STORM WATER INFILTRATION.

18. CONTRACTOR SHALL INSTALL ALL EROSION AND SEDIMENTATION CONTROL MEASURES PRIOR TO ANY GRADING ACTIVITIES IN LOCATIONS SHOWN ON THESE DRAWINGS.

19. SILT FENCES SHALL BE INSPECTED IMMEDIATELY AFTER EACH RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL. ANY REPAIRS THAT ARE REQUIRED SHALL BE MADE IMMEDIATELY.

20. IF THE FABRIC ON A SILT FENCE SHOULD DECOMPOSE OR BECOME INEFFECTIVE DURING THE EXPECTED LIFE OF THE FENCE, THE FABRIC SHALL BE REPLACED PROMPTLY.

21. SEDIMENT DEPOSITS SHOULD BE INSPECTED AFTER EVERY STORM EVENT. THE DEPOSITS SHOULD BE REMOVED WHEN THEY REACH APPROXIMATELY ONE-HALF THE HEIGHT OF THE BARRIER.

22. SEDIMENT DEPOSITS THAT ARE REMOVED OR LEFT IN PLACE AFTER THE FABRIC HAS BEEN REMOVED SHALL BE GRADED TO CONFORM WITH THE EXISTING TOPOGRAPHY AND VEGETATION.

23. NO GREATER THAN 80,000 SQUARE FEET OF LAND SHALL BE EXPOSED AT ANY ONE TIME DURING DEVELOPMENT. WHEN LAND IS EXPOSED DURING DEVELOPMENT, THE EXPOSURE SHOULD BE KEPT TO THE SHORTEST PRACTICAL PERIOD OF TIME AND SHALL NOT EXCEED 10 DAYS. LAND SHOULD NOT BE LEFT EXPOSED DURING THE WINTER MONTHS.

24. ANY DISTURBED AREAS WHICH ARE TO BE LEFT TEMPORARILY, AND WHICH WILL BE REGRADED LATER DURING CONSTRUCTION SHALL BE MACHINE HAY MULCHED AND SEEDED WITH RYE GRASS TO PREVENT EROSION. HAY OR STRAW MULCH SHALL BE APPLIED TO ALL FRESHLY SEEDED AREAS AT A RATE OF 2 TONS PER ACRES. BALES SHALL BE UNSPOILED, AIR-DRIED, AND FREE FROM WEED, SEEDS, AND ANY COARSE MATERIAL.

25. ALL WORK PERFORMED ON THIS SITE SHALL CONFORM TO THE US ARMY CORPS OF ENGINEERS PERMIT #NAE-2014-214 ISSUED ON APRIL 1, 2014.

STRUCTURAL NOTES & SPECIFICATIONS

STEEL

1. CONTRACTORS SHALL VERIFY ALL DIMENSIONS AND CONDITIONS IN THE FIELD PRIOR TO FABRICATION AND ERECTION OF ANY MATERIAL. THE ENGINEER SHALL BE NOTIFIED OF ANY CONDITIONS WHICH PRECLUDE COMPLETION OF THE WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.

2. DESIGN AND CONSTRUCTION OF STRUCTURAL STEEL SHALL CONFORM TO LATEST EDITION OF THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION "SPECIFICATION FOR THE DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS".

3. STRUCTURAL AND MISCELLANEOUS STEEL SHALL CONFORM TO ASTM A992 (FY-50 KSI), UNLESS OTHERWISE NOTED.

4. STEEL PIPE SHALL CONFORM TO ASTM A500, GRADE B. STEEL PIPE DIAMETERS NOTED ON THE DRAWINGS ARE NOMINAL.

5. STRUCTURAL CONNECTION BOLTS SHALL CONFORM TO ASTM A325. ALL BOLTS SHALL BE 3/4" DIAMETER MINIMUM AND SHALL HAVE MINIMUM OF TWO BOLTS, UNLESS NOTED OTHERWISE ON THE DRAWINGS. LOCK WASHER ARE NOT PERMITTED FOR A325 STEEL ASSEMBLIES.

6. NON-STRUCTURAL CONNECTIONS FOR STEEL GRATING MAY USE 5/8" DIAMETER GALVANIZED ASTM A 307 BOLTS UNLESS OTHERWISE NOTED.

7. ALL STEEL MATERIAL EXPOSED TO WEATHER SHALL BE GALVANIZED AFTER FABRICATION IN ACCORDANCE WITH ASTM A123 "ZINC (HOT-DIPPED GALVANIZED) COATINGS" ON IRON AND STEEL PRODUCTS.

8. ALL BOLTS ANCHORS AND MISCELLANEOUS HARDWARE EXPOSED TO WEATHER SHALL BE GALVANIZED IN ACCORDANCE WITH ASTM A153 "ZINC COATING (HOT-DIP) ON IRON AND STEEL HARDWARE."

9. DAMAGED GALVANIZED SURFACES SHALL BE REPAIRED BY UP ALL DAMAGED GALVANIZED STEEL WITH COLD ZINC, "GALVANOX", "DRY GALV", "ZINC IT", OR APPROVED EQUIVALENT, IN ACCORDANCE WITH MANUFACTURERS GUIDELINES. TOUCH UP DAMAGED NON GALVANIZED STEEL WITH SAME PAINT APPLIED IN SHOP OR FIELD.

10. CONTRACTOR SHALL COMPLY WITH AWS CODE FOR PROCEDURES, APPEARANCE AND QUALITY OF WELDS, AND WELDING PROCESSES SHALL BE QUALIFIED IN ACCORDANCE WITH AWS "STANDARD QUALIFICATION PROCEDURES." ALL WELDING SHALL BE DONE USING E70XX ELECTRODES AND WELDING SHALL CONFORM TO AISC AND D1.1. WHERE FILLET WELD SIZES ARE NOT SHOWN, PROVIDE THE MINIMUM SIZE PER TABLE J2.4 IN THE AISC "MANUAL OF STEEL CONSTRUCTION" 9TH EDITION. AT THE COMPLETION OF WELDING, ALL DAMAGE TO GALVANIZED COATING SHALL BE REPAIRED. SEE NOTE 9.

THE ENGINEER SHALL BE NOTIFIED OF ANY INCORRECTLY FABRICATED, DAMAGED OR OTHERWISE MISFITTING OR NON CONFORMING MATERIALS OR CONDITIONS TO REMEDIAL OR CORRECTIVE ACTION. ANY SUCH ACTION SHALL REQUIRE ENGINEER REVIEW.

SITE NOTES

1. ALL DIMENSIONS, ELEVATIONS AND EXISTING CONDITIONS SHOWN ON THE DRAWINGS SHALL BE VERIFIED BY THE CONTRACTOR AND THE TESTING AGENCY PRIOR TO BEGINNING ANY MATERIAL ORDERING, FABRICATION OR CONSTRUCTION WORK ON THIS PROJECT. ANY DISCREPANCIES SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE OWNER AND THE OWNER'S ENGINEER. THE DISCREPANCIES MUST BE RESOLVED BEFORE THE CONTRACTOR IS TO PROCEED WITH THE WORK. THE CONTRACT DOCUMENTS DO NOT INDICATE THE METHOD OF CONSTRUCTION. THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK AND SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES. OBSERVATION VISITS TO THE SITE BY THE OWNER AND/OR THE ENGINEER SHALL NOT INCLUDE INSPECTION OF THE PROTECTIVE MEASURES OR THE CONSTRUCTION PROCEDURES.

2. DAMAGE BY THE CONTRACTOR TO UTILITIES OR PROPERTY OF OTHERS, INCLUDING EXISTING PAVEMENT AND OTHER SURFACES DISTURBED BY THE CONTRACTOR DURING CONSTRUCTION SHALL BE REPAIRED TO PRE-CONSTRUCTION CONDITIONS BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE CLIENT. FOR GRASSED AREAS, SEED AND MULCH SHALL BE ACCEPTABLE.

3. THE CONTRACTOR SHALL REWORK (DRY, SCARIFY, ETC.) ALL MATERIAL NOT SUITABLE FOR SUBGRADE IN ITS PRESENT STATE. IF THE MATERIAL, AFTER REWORKING, REMAINS UNSUITABLE THEN THE CONTRACTOR SHALL UNDERCUT THIS MATERIAL AND REPLACED WITH APPROVED MATERIAL AT HIS EXPENSE. ALL SUBGRADES SHALL BE PROOF ROLLED WITH A FULLY LOADED TANDEM AXLE DUMP TRUCK PRIOR TO PAVING. ANY SOFT MATERIAL SHALL BE REWORKED AND REPLACED.

4. THE CONTRACTOR IS REQUIRED TO MAINTAIN ALL DITCHES, PIPES, AND OTHER DRAINAGE STRUCTURES FREE FROM OBSTRUCTION UNTIL WORK IS ACCEPTABLE BY THE OWNER. THE CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGES CAUSED BY FAILURE TO MAINTAIN DRAINAGE STRUCTURES IN OPERABLE CONDITION.

5. ALL DIMENSIONS SHALL BE VERIFIED WITH THE PLANS (LATEST REVISION) PRIOR TO COMMENCING CONSTRUCTION. NOTIFY THE OWNER IMMEDIATELY IF DISCREPANCIES ARE DISCOVERED. THE CONTRACTOR SHALL HAVE A SET OF APPROVED PLANS AVAILABLE AT THE SITE AT ALL TIMES WHEN WORK IS BEING PERFORMED. A DESIGNATED RESPONSIBLE EMPLOYEE SHALL BE AVAILABLE FOR CONTACT BY GOVERNING AGENCY INSPECTORS.

6. CONTRACTOR SHALL SECURE ALL NECESSARY PERMITS FOR THIS PROJECT FROM ALL APPLICABLE GOVERNMENTAL AGENCIES (NOT SUPPLIED BY OWNER).

7. ANY PERMITS WHICH MUST BE OBTAINED SHALL BE THE CONTRACTORS RESPONSIBILITY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ABIDING BY ALL CONDITIONS AND REQUIREMENTS OF THE PERMITS (NOT SUPPLIED BY OWNER).

8. ALL WORK SHALL BE IN ACCORDANCE WITH LOCAL CODES AND THE LATEST APPLICABLE CODES AND STANDARDS.

9. THE CONTRACTOR SHALL NOTIFY THE APPLICABLE JURISDICTIONAL (STATE, COUNTY, OR CITY) ENGINEER 24 HOURS PRIOR TO BEGINNING OF CONSTRUCTION.

10. CONTRACTOR RESPONSIBLE FOR CLOSING AND FILING ALL PERMITS ASSOCIATED WITH THE SITE.

11. THE SITE SHALL BE GRADED TO CAUSE SURFACE WATER TO FLOW AWAY FROM THE EQUIPMENT AND TOWER AREAS.

12. ALL EXISTING AREAS DISTURBED BY CONSTRUCTION ACTIVITIES SHALL BE RESTORED TO MATCH PRECONSTRUCTION CONDITIONS.

13. THE CONTRACTOR SHALL CONTACT "CALL BEFORE YOU DIG" AT LEAST 48 HOURS PRIOR TO CONSTRUCTION ACTIVITIES COMMENCING.

CONCRETE NOTES

1. ALL CONCRETE CONSTRUCTION SHALL BE DONE IN ACCORD WITH AMERICAN CONCRETE INSTITUTE (ACI) CODES 301 & 318, LATEST REVISION.

2. TOWER FOUNDATION WORK SHALL BE IN ACCORDANCE WITH TOWER MANUFACTURERS DESIGNS AND SPECIFICATIONS.

3. ALL CONCRETE USED SHALL BE 4000 PSI (28 DAY COMP STRENGTH). THE CONCRETE MIX SHALL BE BASED ON USING THE FOLLOWING MATERIALS AND PARAMETERS:

PORTLAND CEMENT:	ASTM C150, T1
AGGREGATE:	ASTM C33, 1 INCH MAX
WATER:	POTABLE
ADMIXTURE:	NON-CHLORIDE
AIR:	6%*
SLUMP:	4 INCH

UNLESS NOTED OTHERWISE
*ALL CONCRETE EXPOSED TO FREEZING WEATHER SHALL CONTAIN ENTRAINED AIR PER ACI 211 TABLE 4.2.1 OF ACI 318-95.

4. ALL REINFORCING STEEL SHALL BE ASTM A615, GR 60 (DEFORMED) UNLESS NOTED OTHERWISE. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A185 WELDED STEEL WIRE FABRIC UNLESS NOTED OTHERWISE. SPLICES SHALL BE CLASS 'B' AND ALL HOOKS SHALL BE ACI STANDARD UNO. REINFORCING BARS SHALL BE COLD BENT WHERE REQUIRED AND TIED (NOT WELDED).

5. THE FOLLOWING MINIMUM CONCRETE COVER SHALL BE PROVIDED FOR REINFORCING STEEL UNLESS SHOWN OTHERWISE ON DRAWINGS:
   CONCRETE CAST AGAINST EARTH = 3 IN.
   CONCRETE EXPOSED TO EARTH OR WEATHER:
      #6 AND LARGER = 2 IN.
      #5 AND SMALLER = 1 1/2 IN.
   CONCRETE NOT EXPOSED TO EARTH OR WEATHER OR NOT CAST AGAINST THE GROUND:
      SLAB AND WALL = 3/4 IN.
      BEAMS AND COLUMNS = 1 1/2 IN.

6. A 3/4 IN. CHAMFER SHALL BE PROVIDED AT ALL EXPOSED EDGES OR CONCRETE, UNO, IN ACCORDANCE WITH ACI 301 SECTION 4.2.4.

7. CONCRETE SHALL BE PLACED IN A UNIFORM MANNER AND CONSOLIDATED IN PLACE.

8. CONCRETE FOOTINGS SHALL BE CAST AGAINST LEVEL, COMPACTED, NON-FROZEN BASE SOIL FREE OF STANDING WATER.

9. APPLY A QUALITY CONCRETE SEALER SUCH AS THEROSEAL TO EXPOSED CONCRETE IN ACCORDANCE WITH MANUFACTURERS APPLICATIONS DIRECTIONS.

BAY COMMUNICATIONS SITE NUMBER:
CT0007

APT FILING NUMBER:
CT-265-160

BAY COMMUNICATIONS
391 OAKLAND STREET
MANSFIELD, MA 02048
(774) 719-2145

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KILLINGWORTH, CT 06419
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DEVELOPMENT & MANAGEMENT DOCUMENTS

GUILFORD
MOOSE HILL ROAD
GUILFORD, CT 06437

DESIGN TYPE:
RAW LAND

REVISIONS:
REV 0: 09/04/14: FOR REVIEW: SMC
REV 1: 01/13/15: TOWER REVISIONS: SMC
REV 2:
REV 3:
REV 4:
REV 5:

NOTES & SPECIFICATIONS

APT FILING NUMBER: CT-265-160
APT DRAWING NUMBER: CT0007
DRAWN BY: RCB
SCALE: AS NOTED
CHECKED BY: SMC
DATE: 09/04/14

SHEET NUMBER:
N-1