

THOMAS J. REGAN  
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August 14, 2013

**VIA OVERNIGHT AND ELECTRONIC MAIL**

Melanie Bachman  
Acting Executive Director  
Connecticut Siting Council  
Ten Franklin Square  
New Britain, CT 06051

**RE: DOCKET NO. 391 - T-Mobile Northeast, LLC application for a Certificate of Environmental Compatibility and Public Need for the construction, maintenance and operation of a telecommunications facility located 232 Shore Road, Old Lyme, Connecticut**

Dear Melanie:

On behalf of Bay Communications II, LLC, we are requesting the Connecticut Siting Council (the "Council") approve a revision to the Development and Management Plan ("D&M Plan") for the telecommunications facility approved in Docket No. 391. We have enclosed fifteen (15) sets of the revised drawings.

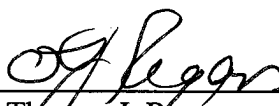
Specifically, the D&M Plan has been revised to: (i) include enhancements to the wetland buffer area (See sheets SP-2 and WM-1) and (ii) modify the route of the underground utilities (See sheet SP-1).

In addition, the original D&M Plan submission, dated July 6, 2011, stated that the yield point of the telecommunications facility was 78 feet AGL. Our analysis indicates that the yield point is, instead, 82 feet AGL. This slightly higher yield point improves the setback of the fall radius from the adjacent property boundary.

If you have any questions, please do not hesitate to contact me.

Very truly yours,

**BROWN RUDNICK LLP**

By:   
Thomas J. Regan

Enclosures

cc: Service List  
Town of Old Lyme



LOCATION MAP



USGS TOPOGRAPHIC MAP



391 OAKLAND STREET  
MANSFIELD, MA 02048

OFFICE: (774) 719-2146

DEVELOPMENT & MANAGEMENT PLAN  
DRAWING INDEX

T-1 TITLE SHEET & INDEX

R-1 ABUTTERS MAP & CONSTRUCTION SEQUENCE

SP-1 SITE PLAN

SP-2 GRADING & EROSION CONTROL PLAN

WM-1 WETLAND MITIGATION PLAN

A-1 COMPOUND PLAN & TOWER ELEVATION

C-1 T-MOBILE EQUIPMENT PLAN & DETAILS

C-2 AT&T EQUIPMENT PLAN & DETAILS

C-3 VZW EQUIPMENT PLAN & DETAILS

S-1 COMPOUND DETAILS

N-1 NOTES & SPECIFICATIONS

\*SITE INFORMATION:

-SITE NAME:..... OLD LYME II  
-SITE ID NUMBER:..... CT0009  
-SITE ADDRESS:..... 232 SHORE ROAD  
..... OLD LYME, CT 06371

-MAP:..... 8  
-BLOCK:..... N/A  
-LOT:..... 36-2

-ZONE:..... LI-80  
-LATITUDE:..... 41° 17' 30.25" N  
-LONGITUDE:..... 72° 17' 13.43" W  
-ELEVATION:..... 30'± AMSL  
-FEMA/FIRM  
DESIGNATION:..... ZONE 'C'  
-ACREAGE:..... 5.00 Ac

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CONTACT PERSONNEL

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

LANDLORD  
SOUTH SHORE LANDING SELF STORAGE  
GARY SMITH  
232 SHORE ROAD  
OLD LYME, CT 06371

BAY COMMUNICATIONS PROJECT MANAGER:  
VIN 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 (860) 447-5804  
JOE GROUS - CASE# 1299961

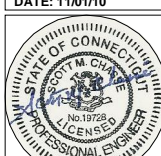
TELCO PROVIDER:  
AT&T: (800)-727-8368

CALL BEFORE YOU DIG:  
(800) 922-4455

GOVERNING CODEs:  
2005 CONNECTICUT BUILDING CODE (2003 IBC BASIS)  
NATIONAL ELECTRIC CODE  
EIA/TIA 222F  
2002 CONNECTICUT GUIDELINES FOR SOIL EROSION  
& SEDIMENT CONTROL

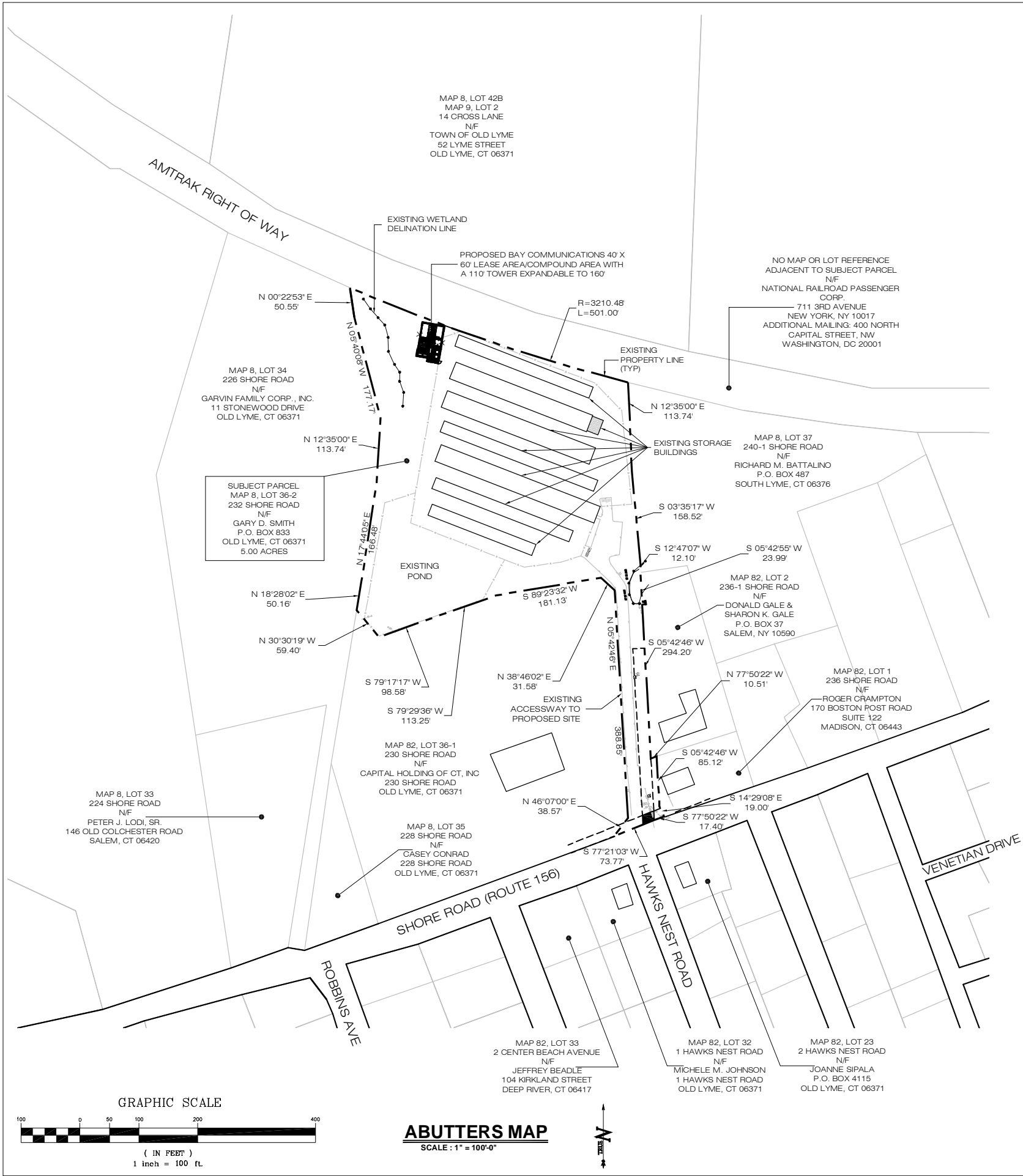
SITE INFORMATION

CT0009  
OLD LYME II  
232 SHORE ROAD  
OLD LYME, CT 06371-2086

DEVELOPMENT & MANAGEMENT DOCUMENTS		TITLE SHEET AND INDEX	
OLD LYME II 232 SHORE ROAD OLD LYME, CT 06371-2086			
DESIGN TYPE:		APT FILING NUMBER: CT-265-140	
RAW LAND		APT DRAWING NUMBER: CT265140 T-1.DWG	
		DRAWN BY: RCB	SCALE: AS NOTED
		CHECKED BY: SMC	DATE: 11/01/10
REVISIONS:		SHEET NUMBER:	
REV.0: 03/25/11: FOR REVIEW: SMC		T-1	
REV.1: 05/13/11: REVISED TOWER FND: SMC			
REV.2: 05/24/11: REVISED EQUIP LAYOUT: SMC			
REV.3: 07/19/11: LANDSCAPING REVISIONS: SMC			
REV.4: 08/12/13: REBRAND & UTILITY REVS: SMC			
REV.5:			
			







CONSTRUCTION SEQUENCING

CONTRACTOR TO FOLLOW THE FOLLOWING CONSTRUCTION PHASING AS CLOSELY AS POSSIBLE:

- 1. MOBILIZATION: BRING MATERIAL AND EQUIPMENT TO SITE. ALL CONSTRUCTION TRAFFIC AND ACTIVITIES MUST RESIDE INSIDE ACCESS PATH DELINEATED, WITHIN STAGING AND STOCKPILE AREA, OR WITHIN AREA WHERE PROPOSED WORK IS BEING COMPLETED. THE CONTRACTOR IS TO PROTECT WETLANDS FROM DISTURBANCE AT ALL TIMES AND NO CONSTRUCTION ACTIVITIES OR DUMPING SHALL OCCUR IN THE WETLANDS.
- 2. INSTALL TEMPORARY EROSION AND SEDIMENTATION CONTROL BARRIERS.
- 3. SET NE CORNER OF NEW COMPOUND & REWORK NORTHERN FENCE LINE AS SHOWN; REMOVE EXISTING FENCE ALONG WESTERN CORNER OF SITE AS SHOWN.
- 4. CONSTRUCT NEW UTILITY TRENCH & SET CONCRETE ENCASED CONDUITS & BACKFILL.
- 5. CLEAR AND ROUGH GRADE THE PROPOSED EQUIPMENT COMPOUND.
- 6. EXCAVATE FOR TOWER FOUNDATION, EQUIPMENT SLAB, (HOE RAM TO REQUIRED DEPTH 3.5 BGS TYP.).
- 7. PREPARE SUBGRADE AND INSTALL FORMS, STEEL REINFORCING, AND CONCRETE FOR TOWER FOUNDATION & EQUIPMENT SLAB.
- 8. INSTALL BURIED GROUND RINGS, GROUND RODS, GROUND LEADS, UTILITY CONDUITS, AND UTILITY EQUIPMENT.
- 9. BACKFILL FOUNDATION & EQUIPMENT SLAB.
- 10. ERECT MONOPOLE.
- 11. INSTALL TELECOMMUNICATIONS EQUIPMENT ON TOWER AND IN COMPOUND.
- 12. INSTALL COMPOUND GRAVEL SURFACES.
- 13. INSTALL FENCING.
- 14. CONNECT GROUNDING LEADS AND LIGHTENING PROTECTION.
- 15. FINAL GRADE AROUND COMPOUND.
- 16. LOAM AND SEED DISTURBED AREAS OUTSIDE COMPOUND, AS REQUIRED.
- 17. REMOVE SILT FENCING AFTER SEEDED AREAS HAVE ESTABLISHED VEGETATION.
- 18. FINAL CLEANUP AND EQUIPMENT TESTING.

THE ESTIMATED TIME FOR COMPLETION OF THE WORK IS APPROXIMATELY FOUR (4) WEEKS. THE EXACT PROCESS MAY VARY DEPENDING ON THE CONTRACTORS' AND SUBCONTRACTORS' AVAILABILITY TO COMPLETE WORK AND WEATHER DELAYS.

**SITE AREAS & VOLUMES OF EARTHWORK**

SITEWORK SHALL ENTAIL 315 CUBIC YARDS OF CUT MATERIAL (305 CY UTILITY TRENCHING, & 10 CY COMPOUND) AND 40 CUBIC YARDS OF FILL. APPROXIMATELY 45 CUBIC YARDS OF CRUSHED STONE SHALL BE BORROWED TO COMPLETE THE COMPOUND.

WORK AREA SLOPES:  
EXISTING - 2%  
PROPOSED - 1-2%

TOTAL AREA OF DISTURBANCE = 6,500±SF

STORMWATER VELOCITY:  
PRIOR TO GROUND COVER = <2.0 FT/SEC  
FOLLOWING GROUND COVER = <2.0 FT/SEC

GROUND COVER TO BE ESTABLISHED AS FOLLOWS (J.O.N.):  
- WHITE CLOVER @ 0.20#/1000 SF  
- TALL FESCUE @ 0.45#/1000 SF  
- RYEGRASS @ 0.10#/1000 SF

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<div><div><div>BAY COMMUNICATIONS SITE NUMBER: CT0009</div><div>APT FILING NUMBER: CT-265-140</div></div><div><div>BAY COMMUNICATIONS</div><div>391 OAKLAND STREET MANSFIELD, MA 02048 (774) 719-2146</div></div><div><div>ALL-POINTS TECHNOLOGY CORPORATION</div><div>3 SADDLEBROOK DRIVE KILLINGWORTH, CT 06419 WWW.ALLPOINTSTECH.COM</div><div>PHONE: (860)-663-1697 FAX: (860)-663-0935</div></div></div>		<div>DEVELOPMENT &amp; MANAGEMENT DOCUMENTS</div> <div>OLD LYME II 232 SHORE ROAD OLD LYME, CT 06371-2086</div> <div>DESIGN TYPE:</div> <div>RAW LAND</div> <div>REVISIONS:</div> <div>REV.0: 03/25/11: FOR REVIEW: SMC</div> <div>REV.1: 05/13/11: REVISED TOWER FND: SMC</div> <div>REV.2: 05/24/11: REVISED EQUIP LAYOUT: SMC</div> <div>REV.3: 07/19/11: LANDSCAPING REVISIONS: SMC</div> <div>REV.4: 08/12/13: REBRAND &amp; UTILITY REVS: SMC</div> <div>REV.5:</div>		<div>ABUTTERS MAP &amp; CONSTRUCTION SEQUENCE</div> <div>APT FILING NUMBER: CT-265-140</div> <div>APT DRAWING NUMBER: CT265140</div> <div>DRAWN BY: RCB</div> <div>CHECKED BY: SMC</div> <div>SHEET NUMBER:</div> <div>R-1</div> <div><div>STATE OF CONNECTICUT PROFESSIONAL ENGINEER No. 19728 JAMES M. CHAMBERLAIN</div></div>
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THE WETLAND BUFFER ENHANCEMENT PLAN PROPOSED FOR THE OLD LYME FACILITY HAS BEEN DESIGNED TO ENHANCE THE FUNCTION OF THIS BUFFER AREA. THE PROPOSED NATIVE PLANTINGS WILL DIVERSIFY THE WILDLIFE HABITAT VALUE OF THIS BUFFER AREA BY PROVIDING SHELTER, NESTING AND FOOD FOR SMALL WILDLIFE, PARTICULARLY AVIAN SPECIES. THE WETLAND BUFFER ENHANCEMENT AREA WILL BE CONSTRUCTED PER THE FOLLOWING:

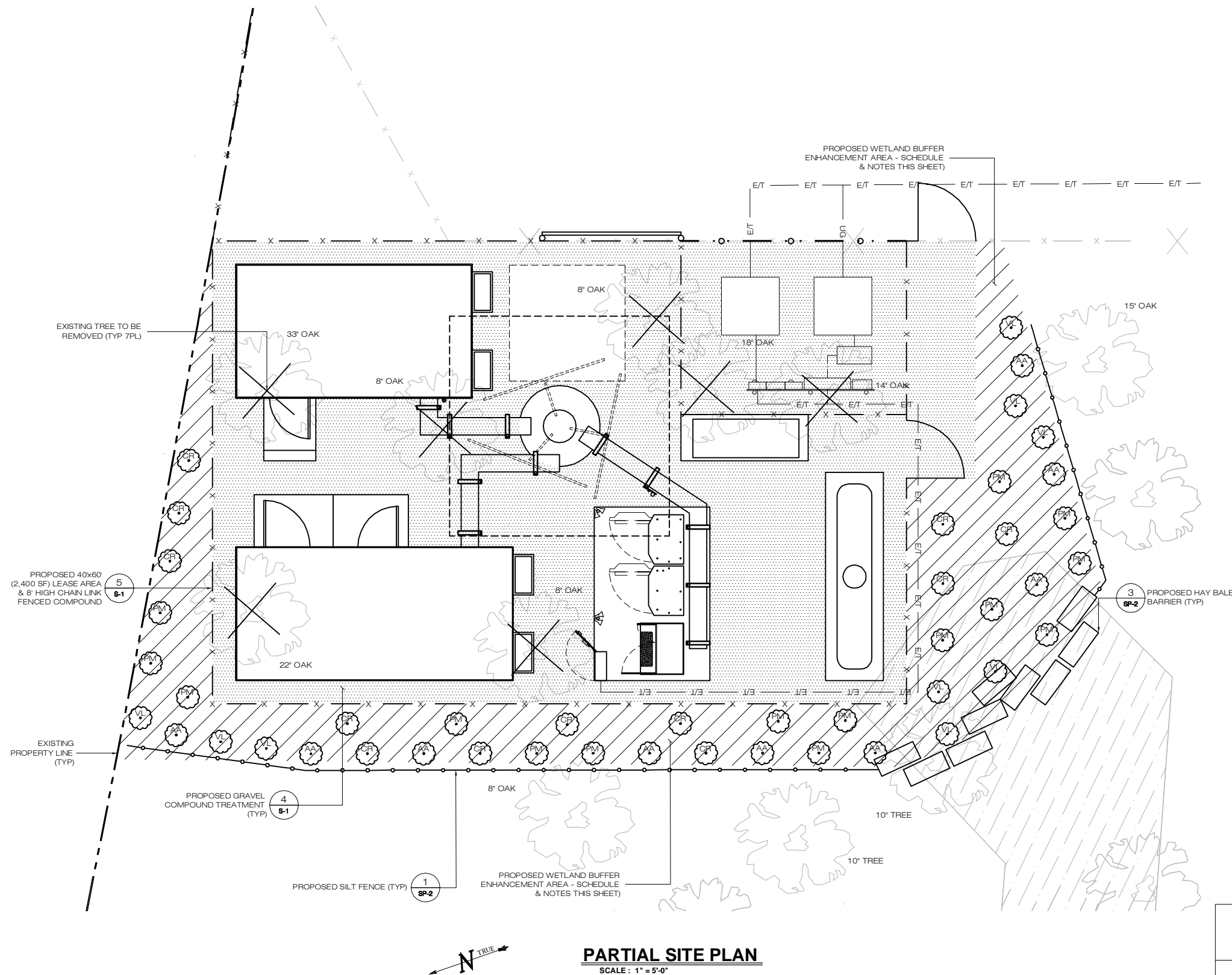
- ### PLANTING SCHEDULE

QTY	BOTANICAL NAME	COMMON NAME	SIZE	ROOT	SPACING	SYMBOL	REMARKS
9	AMELANCHER ARBorea	COMMON SERVICEBERRY	4' - 6' TALL	B & B	10' O.C.		FULL TO BASE
12	CORMUS RACEMOSA	GRAY DOGWOOD	3' - 4' TALL	CONTAINER #2 OR >	6' O.C.		FULL TO BASE
15	PHOTINIA MELANDCARPA	BLACK CHOKEBERRY	3' - 4' TALL	CONTAINER #2 OR >	6' O.C.		FULL TO BASE
9	VIBURNUM LENTAGO	NANNYBERRY	3' - 4' TALL	CONTAINER #2 OR >	6' O.C.		FULL TO BASE

NOTES:

1. WETLAND BUFFER ENHANCEMENT AREA  SHALL BE UNDERSEWN WITH A CONSERVATION / WILDLIFE SEED MIX (SUPPLIED BY NEW ENGLAND WETLANDS, INC. #413-698-3000), OR APPROVED EQUIVALENT CONTAINING THE FOLLOWING SPECIES (OR APPROVED EQUIVALENT): BIG BLUESTEM (ANDROPOGON GERARDII), SWITCHGRASS (Panicum virgatum), LITTLE BLUESTEM (Schizachyrium scoparium), VIRGINIA WILD YER (Elymus virginicus), PARTRIDGE PEA (CHAMAECRISTA FASCICULATA), COMMON MILKWEED (ASCLEPIAS SYRIACA), SHOWY TICK-TRIFOLI (DESMODIUM CANADENSE), NEW ENGLAND ASTER (ASTER NOVAE-ANGLIAE), SPOTTED JOE PEE WEEED (EUPATORIUM MACULATUM), GRASS LEAVED GOLDENROD (EUTHAMIA GRAMINIFOLIA), CREEPING RED FESCUE (FESTUCA RUBRA), OX EYE SUNFLOWER (HELOPSIS HELIANTHOIDES), DEER TONGUE (Panicum clandestinum), TALL/GREEN HEADED CONEFLOWER (RUDBECKIA LACINATA), EARLY GOLDENROD (SOLIDAGO JUNCEA), INDIAN GRASS (SORGHASTRUM NUTANS). SEED MIX TO BE SOWN AT 1,500 SF/LB.
2. SHRUBS SHALL BE PROVIDED IN CONTAINERS NO SMALLER THAN #2 SIZE.

BAY COMMUNICATIONS SITE NUMBER: <b>CT0009</b>		DEVELOPMENT & MANAGEMENT DOCUMENTS		<b>WETLAND MITIGATION PLAN</b>	
APT FILING NUMBER: <b>CT-265-140</b>		OLD LYME II 232 SHORE ROAD OLD LYME, CT 06371-2086		APT FILING NUMBER: CT-265-140	
		DESIGN TYPE:  <b>RAW LAND</b>		APT DRAWING NUMBER: CT265140	
391 OAKLAND STREET MANSFIELD, MA 02048 (774) 719-2146		REVISIONS:		DRAWN BY: RCB	
		REV.0: 03/25/11: FOR REVIEW: SMC		SCALE: AS NOTED	
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		REV.4: 08/12/13: REBRAND & UTILITY REV'S: SMC		<b>WM-1</b>	
					
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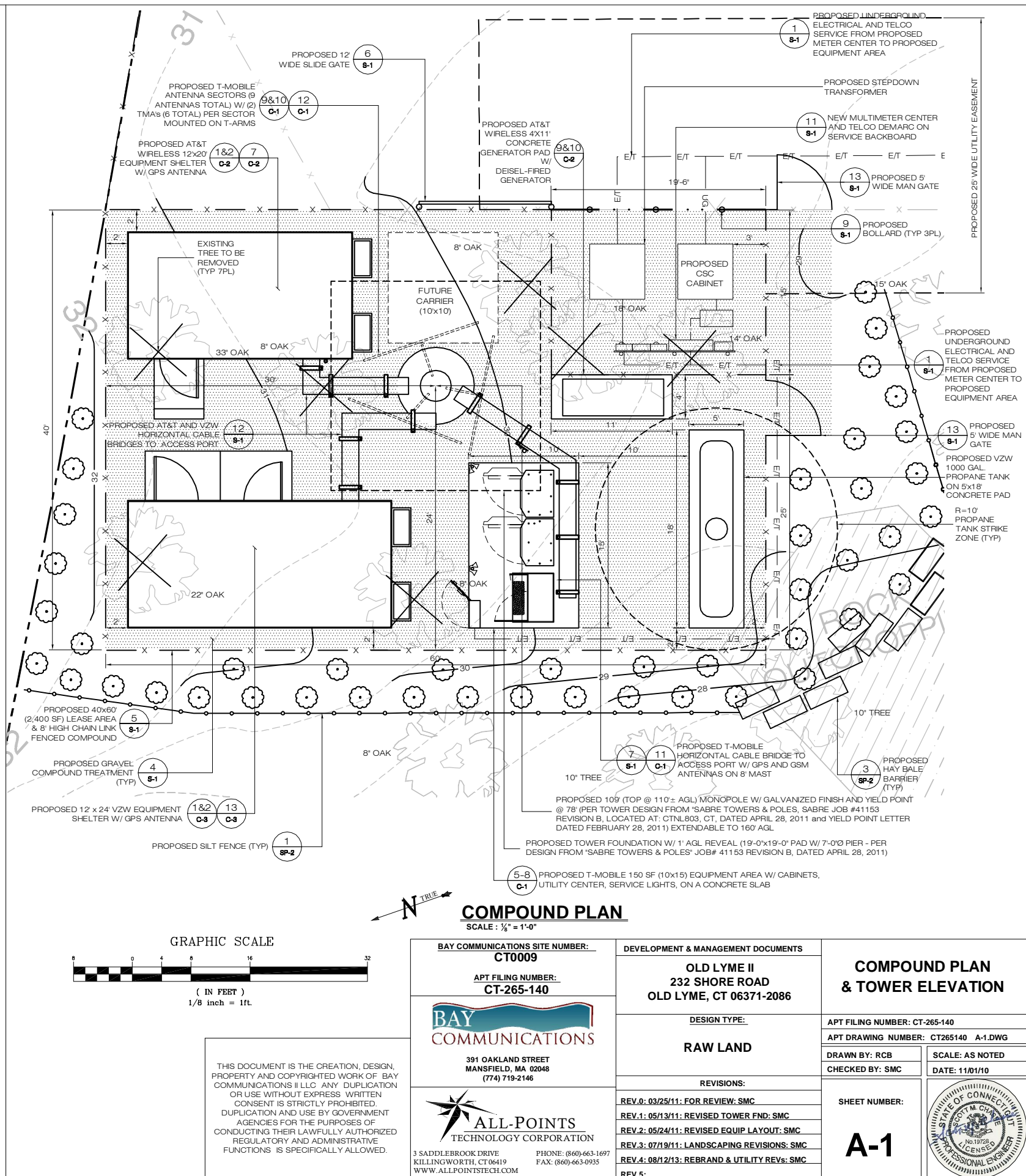


**ALL-POINTS**  
TECHNOLOGY CORPORATION

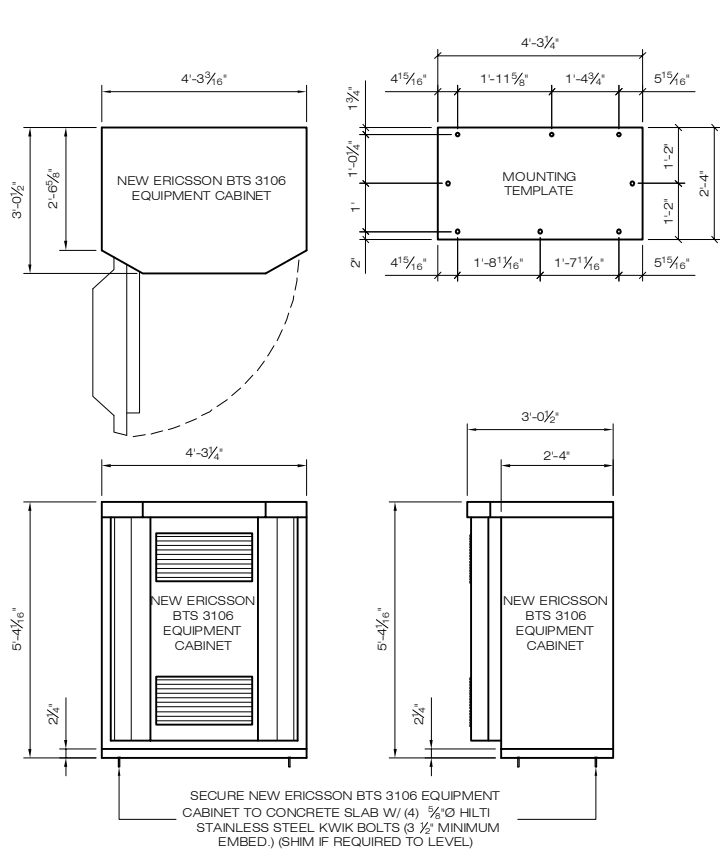
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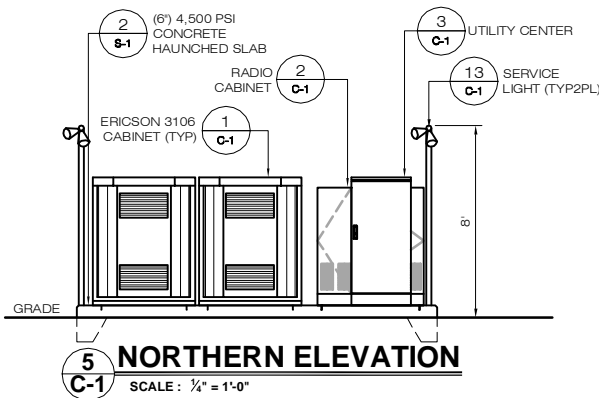




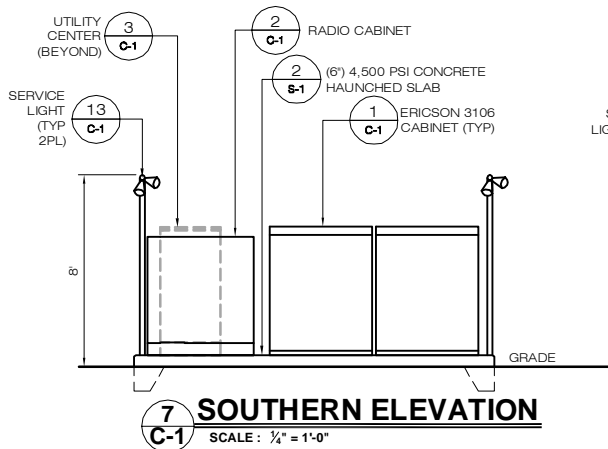




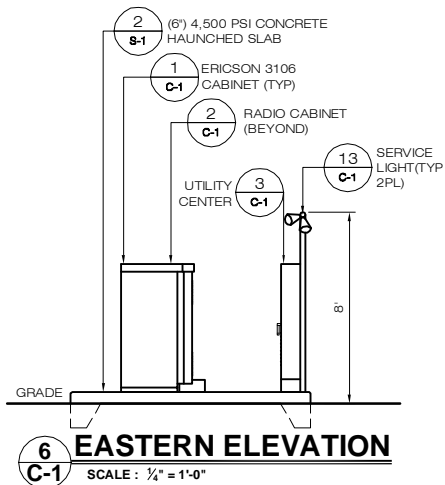
**1 ERICSSON RBS 3106 EQUIPMENT CABINET**  
SCALE: 1/2" = 1'-0"



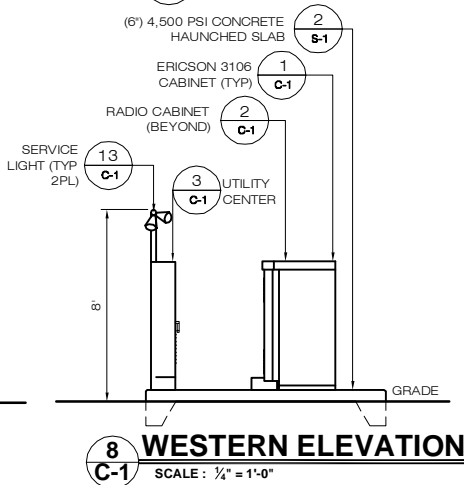
**5 NORTHERN ELEVATION**  
SCALE: 1/4" = 1'-0"



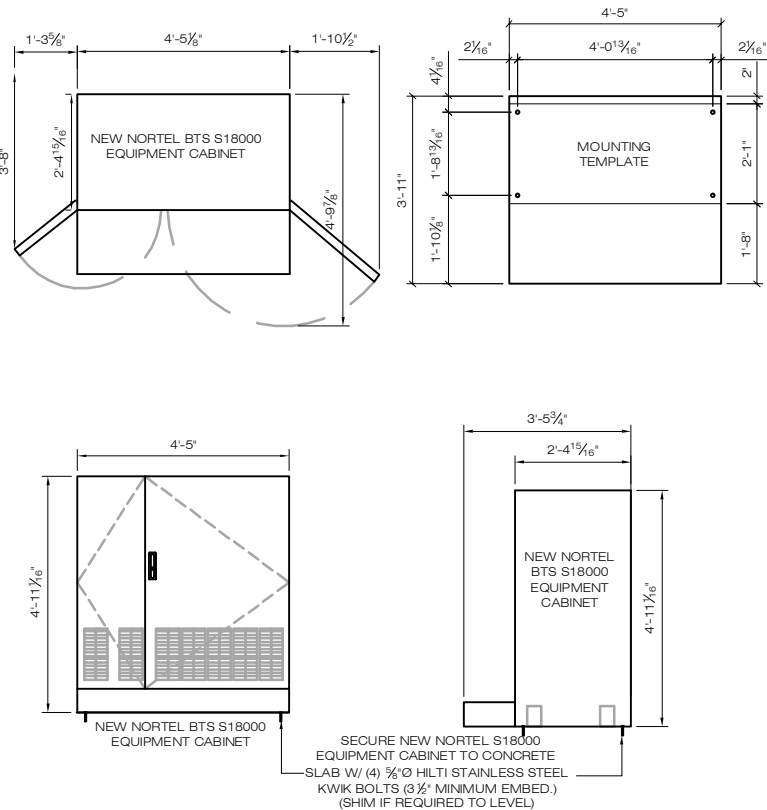
**7 SOUTHERN ELEVATION**  
SCALE: 1/4" = 1'-0"



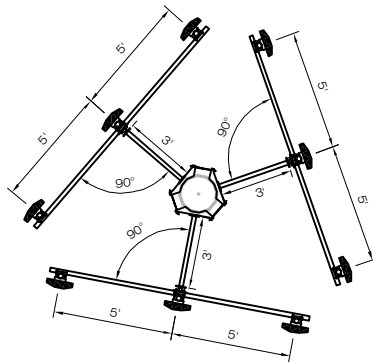
**6 EASTERN ELEVATION**  
SCALE: 1/4" = 1'-0"



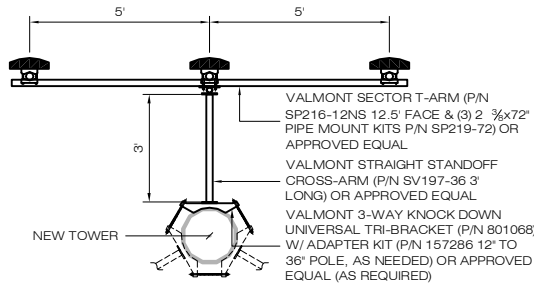
**8 WESTERN ELEVATION**  
SCALE: 1/4" = 1'-0"



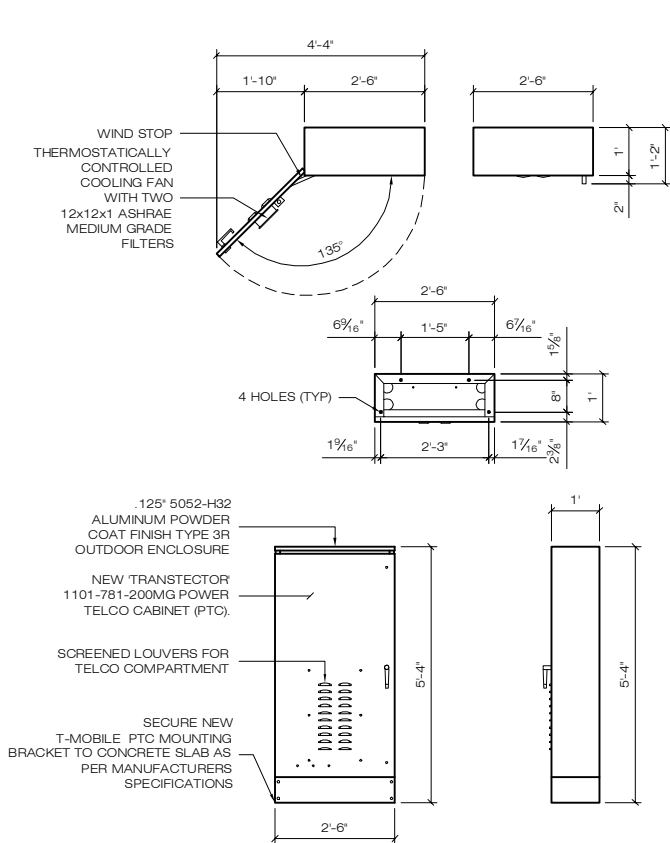
**2 NORTEL BTS S18000 EQUIPMENT CABINET**  
SCALE: 1/2" = 1'-0"



**10 ANTENNA PLAN**  
SCALE: 1/4" = 1'-0"



**9 ANTENNA MOUNT**  
SCALE: 3/8" = 1'-0"

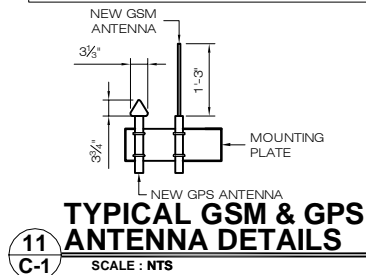


**3 TRANSECTOR PTC CABINET**  
SCALE: 1/2" = 1'-0"

### 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 (Ci)	1.0
WIND LOAD:	
BASIC WIND LOAD	115 MPH (3 SECOND GUST)
EXPOSURE GROUP	C
IMPORTANCE FACTOR	1.00
EQUIPMENT LOAD:	
EQUIPMENT DL	9,000 LBS
SEISMIC DESIGN PARAMETERS:	
SEISMIC USE GROUP	II
MCE SPECTRAL ACCELERATION SHORT (Sa)	0.268
MCE SPECTRAL ACCELERATION SHORT (Ss)	0.080
SITE CLASS	D FOR UNKNOWN SOIL PROPERTIES
IMPORTANCE FACTOR	1.0



**11 TYPICAL GSM & GPS ANTENNA DETAILS**  
SCALE: NTS

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**CT0009**

APT FILING NUMBER:  
**CT-265-140**

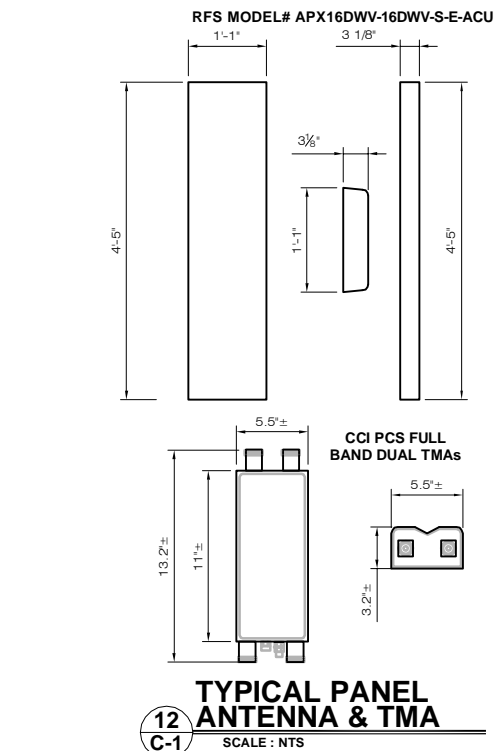
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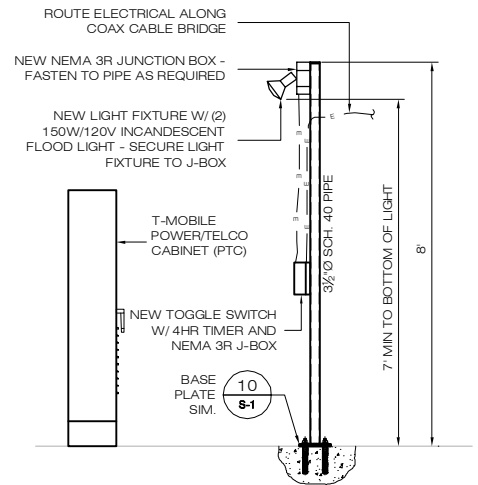
**ALL-POINTS TECHNOLOGY CORPORATION**

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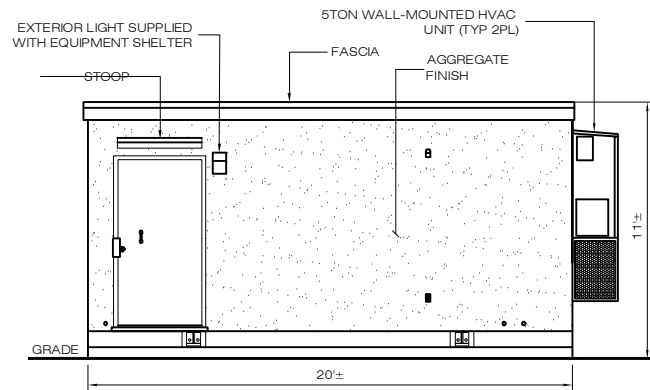
**12 TYPICAL PANEL ANTENNA & TMA**  
SCALE: NTS



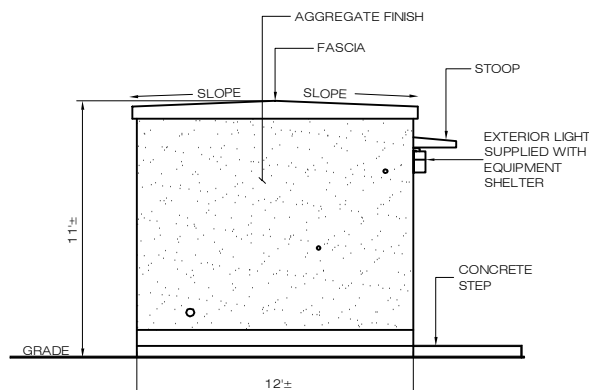
**13 SERVICE LIGHT**  
SCALE: 1/2" = 1'-0"

BAY COMMUNICATIONS SITE NUMBER: <b>CT0009</b>		DEVELOPMENT & MANAGEMENT DOCUMENTS		T-MOBILE EQUIPMENT PLAN & DETAILS	
APT FILING NUMBER: <b>CT-265-140</b>		OLD LYME II 232 SHORE ROAD OLD LYME, CT 06371-2086		APT FILING NUMBER: CT-265-140	
<b>BAY COMMUNICATIONS</b>		DESIGN TYPE: <b>RAW LAND</b>		APT DRAWING NUMBER: CT265140 C-1.DWG	
391 OAKLAND STREET MANSFIELD, MA 02048 (774) 719-2146		REVISIONS:		DRAWN BY: AAJ	
<b>ALL-POINTS TECHNOLOGY CORPORATION</b>		REV.0: 03/25/11: FOR REVIEW: SMC		CHECKED BY: SMC	
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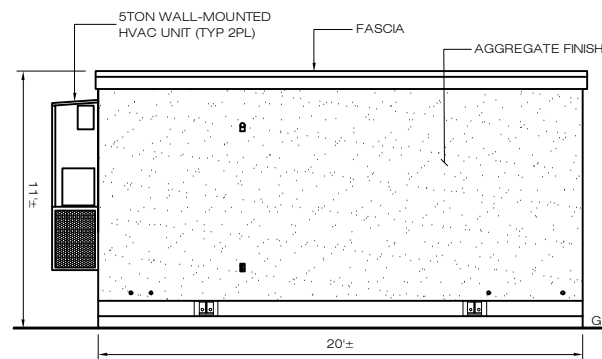




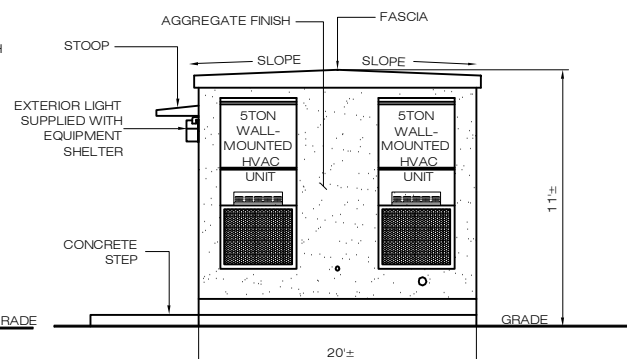
**WESTERN ELEVATION**



**NORTHERN ELEVATION**

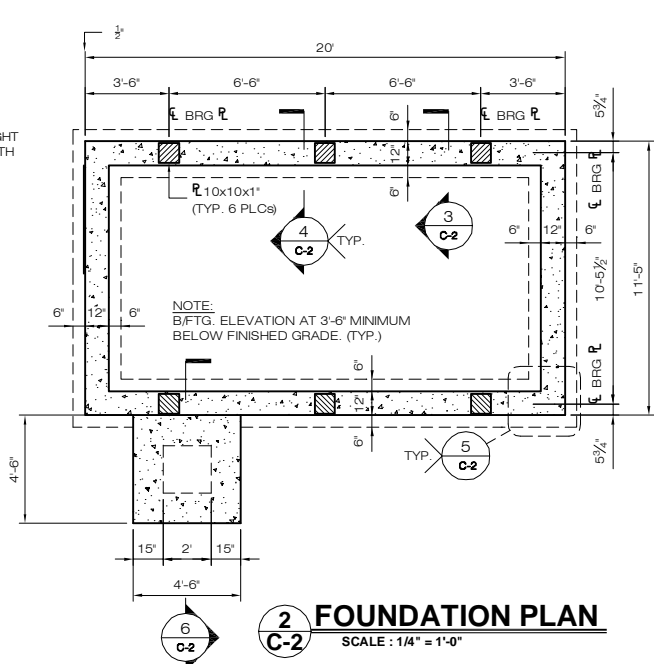


**EASTERN ELEVATION**

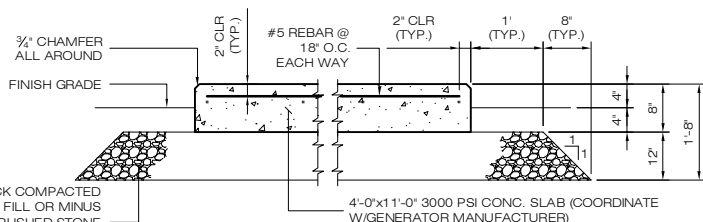


**SOUTHERN ELEVATION**

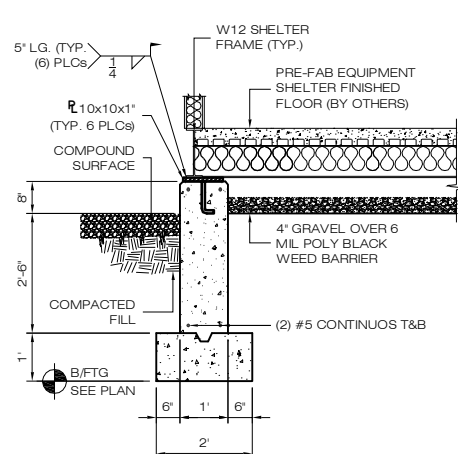
**1 12' X 20' EQUIPMENT SHELTER**  
C-2 SCALE : 1/4" = 1'-0"



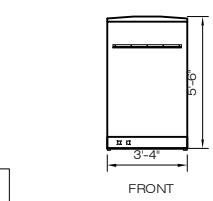
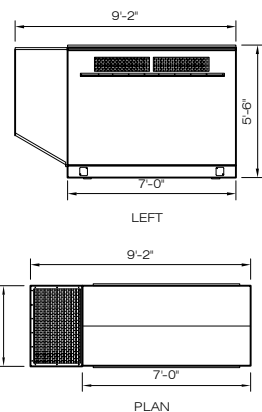
**2 FOUNDATION PLAN**  
C-2 SCALE : 1/4" = 1'-0"



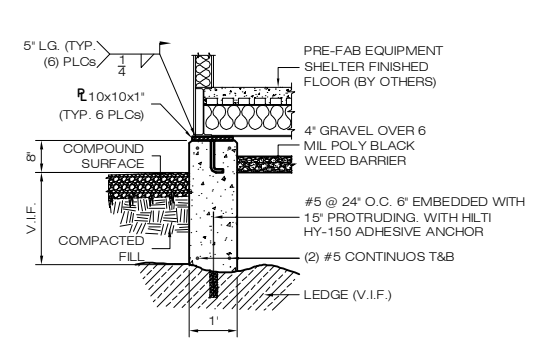
**9 GENERATOR PAD DETAIL**  
C-2 SCALE : NTS



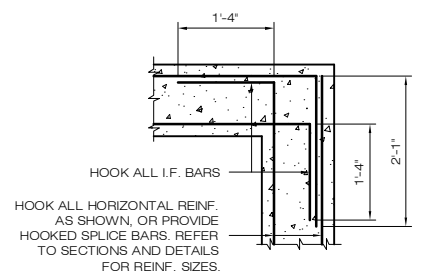
**3 FOUNDATION SECTION**  
C-2 SCALE : 1/2" = 1'-0"



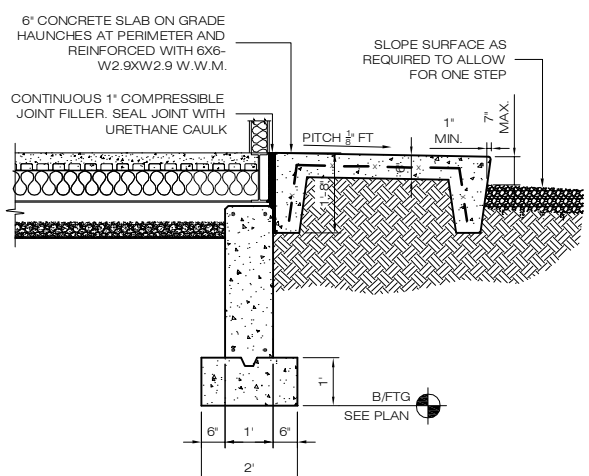
**TYP. DIESEL GENERATOR SCHEMATICS**  
C-2 SCALE : 1/4" = 1'-0"



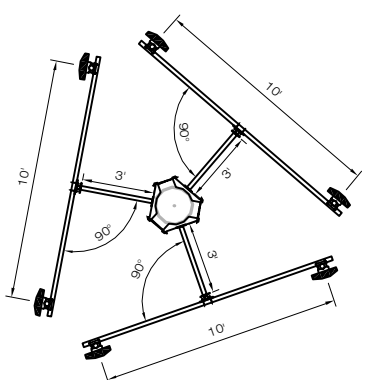
**4 FOUNDATION OVER LEDGE OR TOWER FOUNDATION**  
C-2 SCALE : 1/2" = 1'-0"



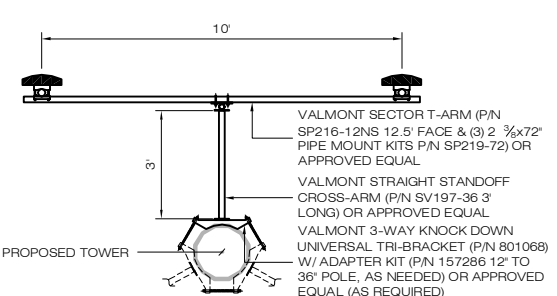
**5 DETAIL CORNER REINFORCEMENT**  
C-2 SCALE : 3/4" = 1'-0"



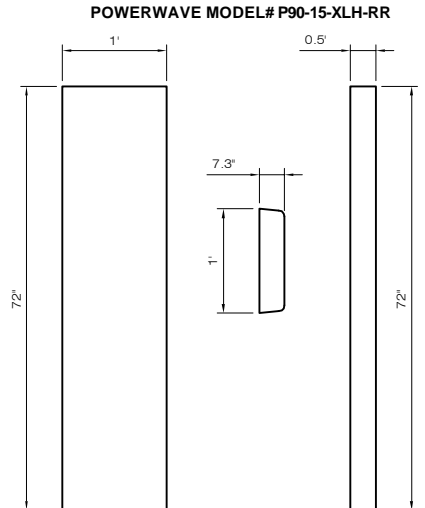
**6 SECTION @ STOOP**  
C-2 SCALE : 1/2" = 1'-0"



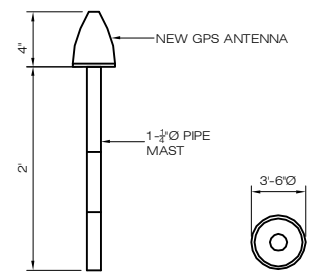
**11 ANTENNA PLAN**  
C-2 SCALE : 1/2" = 1'-0"



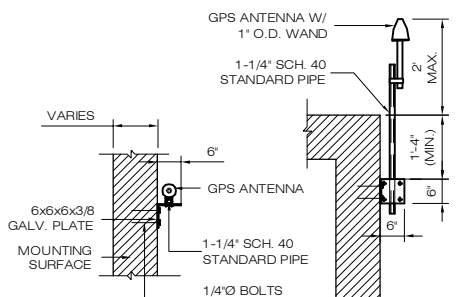
**12 ANTENNA MOUNT**  
C-2 SCALE : 1/2" = 1'-0"



**13 TYPICAL PANEL ANTENNA & TMA**  
C-2 SCALE : NTS



**7 TYPICAL GPS DETAILS**  
C-2 SCALE : NTS



**8 TYPICAL GPS MOUNTING DETAIL**  
C-2 SCALE : NTS

## DESIGN LOAD CRITERIA

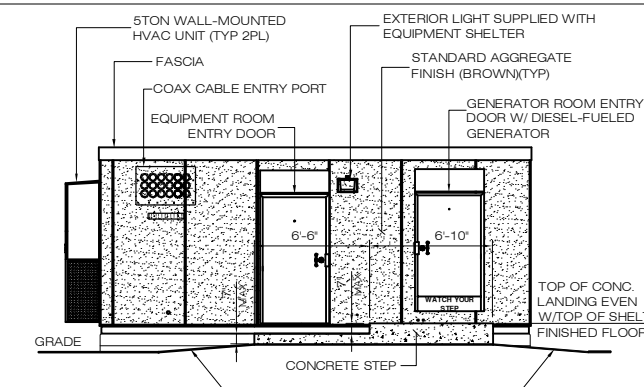
EQUIPMENT SHELTER SHALL BE DESIGNED AND MANUFACTURED TO MEET ALL STATE AND LOCAL CODES. ITS LAYOUT SHALL BE COORDINATED WITH CARRIERS.

DESIGN BASIS	CONNECTICUT STATE BUILDING CODE
GOVERNING CODE	40 PSF (ASCE 7-02)
DESIGN LIVE LOADS	II
IMPORTANCE CATEGORY	
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	115 MPH (3 SEC. GUST)
EXPOSURE GROUP	C
IMPORTANCE FACTOR	1.0
SHELTER LOAD:	
FLOOR LIVE LOAD INCLUDING EQUIPMENT	150 PSF
EQUIPMENT SHELTER DL	46,000 LBS
SEISMIC DESIGN PARAMETERS:	
SEISMIC USE GROUP	II
MCE SPECTRAL ACCELERATION SHORT (Sa)	0.268
MCE SPECTRAL ACCELERATION SHORT (Sa)	0.080
SITE CLASS	D FOR UNKNOWN SOIL PROPERTIES
IMPORTANCE FACTOR	1.0

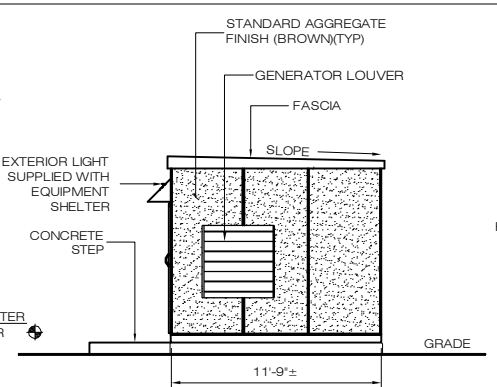
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<b>BAY COMMUNICATIONS SITE NUMBER:</b> CT0009 <b>APT FILING NUMBER:</b> CT-265-140 <b>BAY COMMUNICATIONS</b> 391 OAKLAND STREET MANSFIELD, MA 02048 (774) 719-2146 <b>ALL-POINTS TECHNOLOGY CORPORATION</b> 3 SADDLEBROOK DRIVE KILLINGWORTH, CT 06419 WWW.ALLPOINTSTECH.COM PHONE: (860)-663-1697 FAX: (860)-663-0935	<b>DEVELOPMENT &amp; MANAGEMENT DOCUMENTS</b> <b>OLD LYME II</b> 232 SHORE ROAD OLD LYME, CT 06371-2086 <b>DESIGN TYPE:</b> RAW LAND <b>REVISIONS:</b> REV.0: 03/25/11: FOR REVIEW: SMC REV.1: 05/13/11: REVISED TOWER FND: SMC REV.2: 05/24/11: REVISED EQUIP LAYOUT: SMC REV.3: 07/19/11: LANDSCAPING REVISIONS: SMC REV.4: 08/12/13: REBRAND & UTILITY REVS: SMC REV.5:	<b>AT&amp;T EQUIPMENT PLAN &amp; DETAILS</b> <b>APT FILING NUMBER:</b> CT-265-140 <b>APT DRAWING NUMBER:</b> CT265140 C-2.DWG <b>DRAWN BY:</b> RCB <b>CHECKED BY:</b> SMC <b>SHEET NUMBER:</b> <b>C-2</b> <b>SCALE:</b> AS NOTED <b>DATE:</b> 11/01/10 <b>STATE OF CONNECTICUT</b> PROFESSIONAL ENGINEER No. 19728 JAMES M. CHASE
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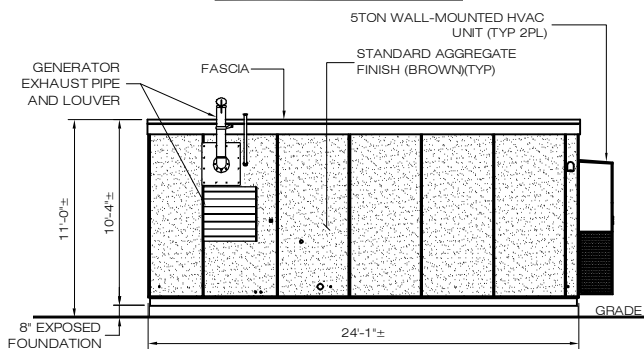




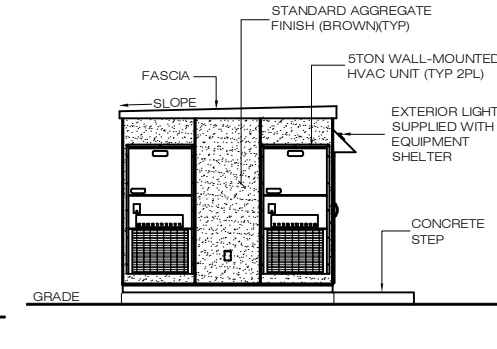
**EASTERN ELEVATION**



**NORTHERN ELEVATION**

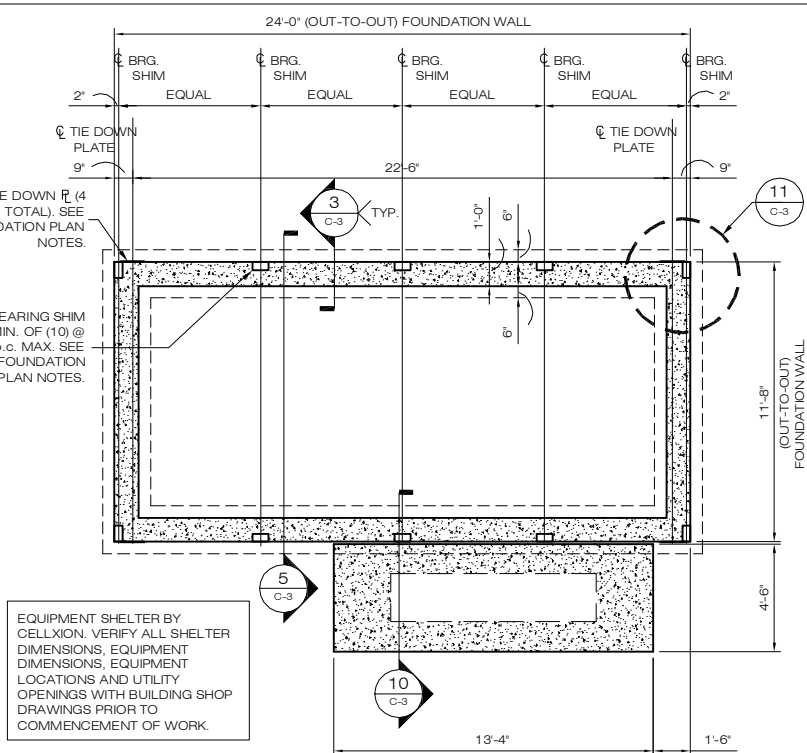


**WESTERN ELEVATION**

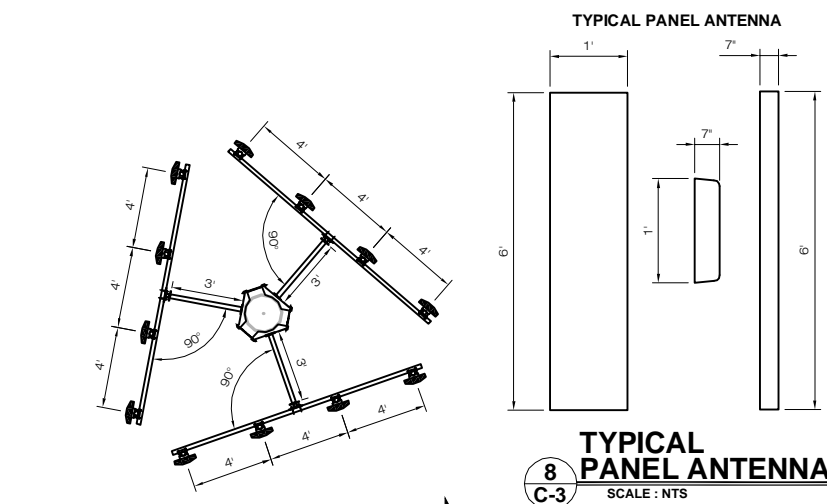


**SOUTHERN ELEVATION**

**1 12' X 24' EQUIPMENT SHELTER**  
SCALE : 3/16" = 1'-0"

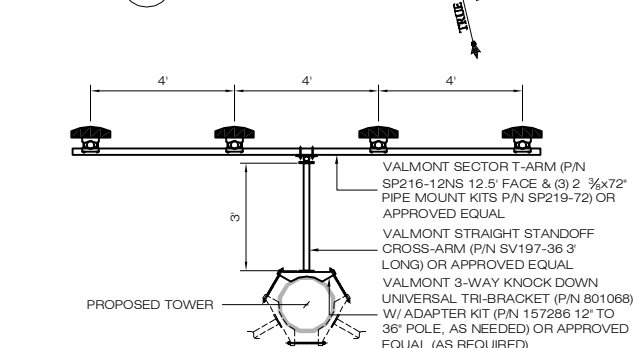


**2 FOUNDATION PLAN**  
SCALE : 1/4" = 1'-0"

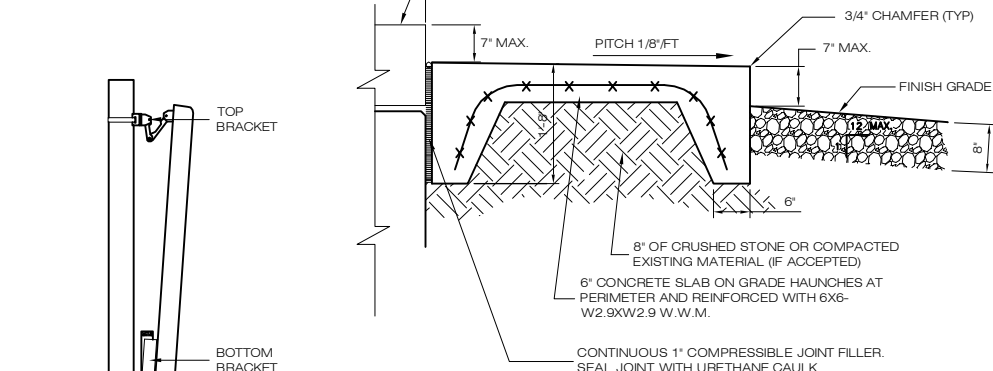


**8 TYPICAL PANEL ANTENNA**  
SCALE : NTS

**6 ANTENNA PLAN**  
SCALE : NTS

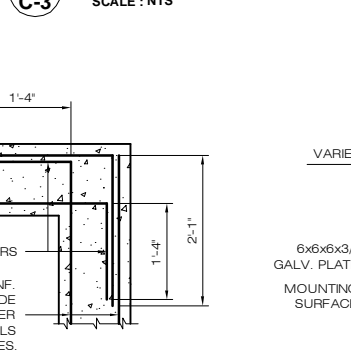


**7 ANTENNA MOUNT**  
SCALE : 3/8" = 1'-0"

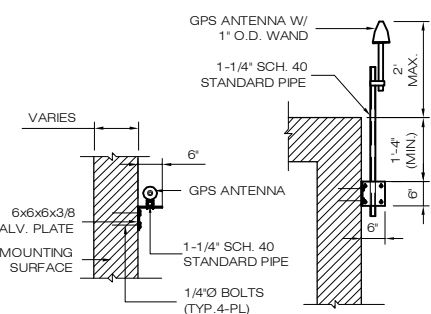


**10 ENTRY STOOP DETAIL - SECTION**  
SCALE : 3/16" = 1'-0"

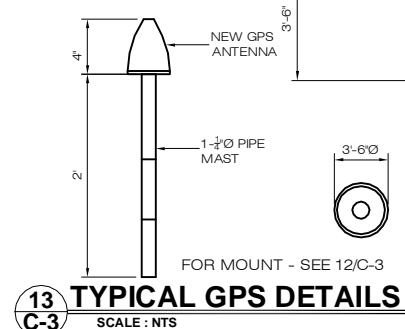
**9 DOWNTILT ASSEMBLY DETAIL**  
SCALE : NTS



**11 DETAIL CORNER REINFORCEMENT**  
SCALE : 3/4" = 1'-0"



**12 TYPICAL GPS MOUNTING DETAIL**  
SCALE : NTS



**13 TYPICAL GPS DETAILS**  
SCALE : NTS

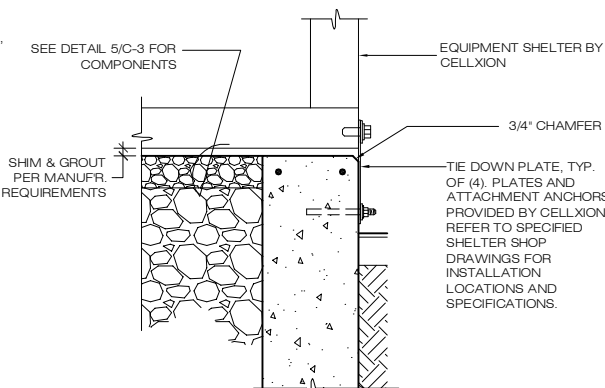
**FOUNDATION PLAN NOTES:**

1. B/FTG. ELEVATION AT 3'-6" MINIMUM BELOW FINISHED GRADE, (TYP)
2. BEARING SHIMS, TIE-DOWN PLATES AND ASSOCIATED INSTALLATION ANCHORS PROVIDED BY CELLXION. CONTRACTOR SHALL VERIFY ALL SHIM & TIE-DOWN QUANTITIES AND LOCATIONS WITH CELLXION PRIOR TO PERFORMING FOUNDATION WORK.
3. SLAB/ TOP OF WALL TOLERANCE IS 1/4"±
4. TOP 8" OF FOUNDATION SIDES MUST BE FORMED FLAT TO ACCEPT TIE-DOWN PLATES.
5. PER NEC REQUIREMENTS, THE REBAR IN FOUNDATION AND FOOTING SHALL BE BONDED TO GROUND RING WITH A #2 AWG SOLID CONDUCTOR USING LISTED AND APPROVED METHODS.
6. PROVIDE PVC SLEEVES FOR UTILITY CONDUIT PASSAGE THROUGH FOUNDATION OR CAST CONDUITS IN PLACE.

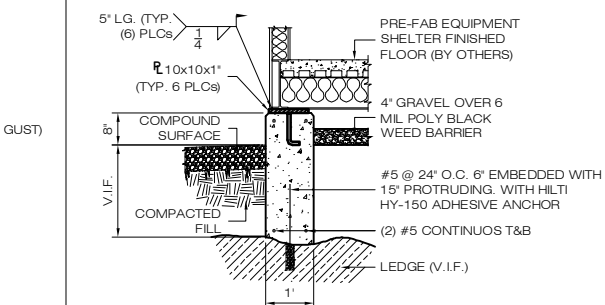
**DESIGN LOAD CRITERIA**

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

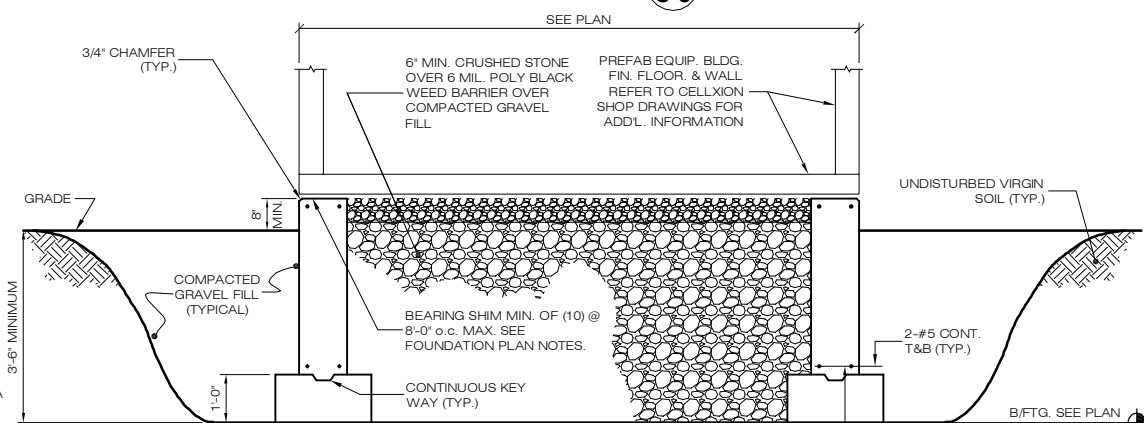
DESIGN BASIS	CONNECTICUT STATE BUILDING CODE
GOVERNING CODE	40 PSF (ASCE 7-02)
DESIGN LIVE LOADS	II
IMPORTANCE CATEGORY	
SNOW LOAD:	
GROUND SNOW LOAD (Pg)	30 PSF
IMPORTANCE FACTOR	1.0
EXPOSURE GROUP	0.9
IMPORTANCE FACTOR	1.0
WIND LOAD:	
BASIC WIND LOAD	115 MPH (3 SEC. GUST)
EXPOSURE GROUP	C
IMPORTANCE FACTOR	1.0
SHELTER LOAD:	
FLOOR LIVE LOAD INCLUDING EQUIPMENT	150 PSF
EQUIPMENT SHELTER DL	46,000 LBS
SEISMIC DESIGN PARAMETERS:	
SEISMIC USE GROUP	II
MCE SPECTRAL ACCELERATION SHORT (Sa)	0.268
MCE SPECTRAL ACCELERATION SHORT (Si)	0.080
SITE CLASS	D FOR UNKNOWN SOIL PROPERTIES
IMPORTANCE FACTOR	1.0



**3 BUILDING TIE DOWN**  
SCALE : 1" = 1'-0"



**4 FOUNDATION OVER LEDGE OR TOWER FOUNDATION**  
SCALE : 1/2" = 1'-0"



**5 FOUNDATION SECTION**  
SCALE : 1/2" = 1'-0"

BAY COMMUNICATIONS SITE NUMBER: <b>CT0009</b>	DEVELOPMENT & MANAGEMENT DOCUMENTS	<b>VZW EQUIPMENT PLAN &amp; DETAILS</b>
APT FILING NUMBER: <b>CT-265-140</b>	<b>OLD LYME II</b> 232 SHORE ROAD OLD LYME, CT 06371-2086	
<b>BAY COMMUNICATIONS</b>	DESIGN TYPE:	APT FILING NUMBER: CT-265-140
	<b>RAW LAND</b>	APT DRAWING NUMBER: CT265140 C-3.DWG
391 OAKLAND STREET MANSFIELD, MA 02048 (774) 719-2146	REVISIONS:	DRAWN BY: RCB
	REV.0: 03/25/11: FOR REVIEW: SMC	CHECKED BY: SMC
ALL-POINTS TECHNOLOGY CORPORATION	REV.1: 05/13/11: REVISED TOWER FND: SMC	SCALE: AS NOTED
	REV.2: 05/24/11: REVISED EQUIP LAYOUT: SMC	DATE: 11/01/10
3 SADDLEBROOK DRIVE KILLINGWORTH, CT 06419 WWW.ALLPOINTSTECH.COM	REV.3: 07/19/11: LANDSCAPING REVISIONS: SMC	SHEET NUMBER:
	REV.4: 08/12/13: REBRAND & UTILITY REVS: SMC	<b>C-3</b>
PHONE: (860)-663-1697 FAX: (860)-663-0935	REV.5:	



<h1>COMPOUND DETAILS</h1>	
APT FILING NUMBER: CT-265-140	
APT DRAWING NUMBER: CT265140 A-1-DWG	
DRAWN BY: RCB	SCALE: AS NOTED
CHECKED BY: SMC	DATE: 11/01/10
<p>SHEET NUMBER:</p> <div style="font-size: 48px; font-weight: bold; text-align: center; margin-top: 20px;">S-1</div>	



GENERAL NOTES:

1. ALL MATERIALS AND METHODS OF CONSTRUCTION SHALL COMPLY WITH THE STANDARDS AND SPECIFICATIONS OF THE TOWN OF OLD LYME, AND OTHER GOVERNMENTAL AGENCIES, AS APPLICABLE.
2. 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. IF NECESSARY, 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. 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 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 MANUFACTURERS DESIGNS AND SPECIFICATIONS

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)	ALL LOCATIONS AND ELEVATIONS. THE WEATHERED BEDROCK MAY BE SELECTIVELY RE-USED AS STRUCTURAL FILL, PROVIDED IT MEET THE GRADATION REQUIREMENTS IN NOTE 2, BELOW.
COMMON FILL	VARIES (3)	COMMON FILL MAY BE USED FOR SITE GRADING TO WITHIN 12 INCHES OF FINISHED GRADE. COMMON FILL SHOULD NOT BE USED UNDER SETTLEMENT SENSITIVE STRUCTURES. THE WEATHERED BEDROCK MAY BE RE-USED AS COMMON FILL PROVIDED IT IS FREE OF ORGANICS AND CAN BE ADEQUATELY COMPACTED.

1. COMPACTED STRUCTURAL 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
6"	100
3"	70-100
2"	(100)
¾"	45-95
NO. 4	30-90
NO. 10	25-80
NO. 40	10-50
NO. 200	0-12
* MAXIMUM 2-INCH PARTICLE SIZE WITHIN 12 INCHES OF THE UNDERSIDE OF FOOTINGS OR SLABS	
3. COMMON FILL SHOULD HAVE A MAXIMUM PARTICLE SIZE OF 6 INCHES AND NO MORE THAN 25 PERCENT BY WEIGHT PASSING THE US NO. 200 SIEVE.	

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 EARTH-WORK 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 LOOSENEED 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 CULTPACKER 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 DEPOS.

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.

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 ¾" 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.
11. 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.
12. APPLY A QUALITY CONCRETE SEALER SUCH AS THEROSEAL TO EXPOSED CONCRETE IN ACCORDANCE WITH MANUFACTURERS APPLICATIONS DIRECTIONS.

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 UNDEROUT 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 RESPONSIBLITY. 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.

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<b>BAY COMMUNICATIONS SITE NUMBER:</b> <b>CT0009</b> <b>APT FILING NUMBER:</b> <b>CT-265-140</b>		<b>DEVELOPMENT &amp; MANAGEMENT DOCUMENTS</b>		<b>NOTES &amp; SPECIFICATIONS</b>						
  391 OAKLAND STREET MANSFIELD, MA 02048 (774) 719-2146		<b>OLD LYME II</b> <b>232 SHORE ROAD</b> <b>OLD LYME, CT 06371-2086</b>		<b>APT FILING NUMBER: CT-265-140</b>  <b>APT DRAWING NUMBER: CT265140 N-1.DWG</b>  <table><tr><td><b>DRAWN BY: RCB</b></td><td rowspan="2"><b>SCALE: AS NOTED</b></td></tr><tr><td><b>CHECKED BY: SMC</b></td></tr><tr><td colspan="2"><b>DATE: 11/01/10</b></td></tr></table>		<b>DRAWN BY: RCB</b>	<b>SCALE: AS NOTED</b>	<b>CHECKED BY: SMC</b>	<b>DATE: 11/01/10</b>	
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<b>DATE: 11/01/10</b>										
<b>DESIGN TYPE:</b>  <b>RAW LAND</b>										
<b>REVISIONS:</b>										
<b>REV.0: 03/25/11: FOR REVIEW: SMC</b>										
<b>REV.1: 05/13/11: REVISED TOWER FND: SMC</b>										
<b>REV.2: 05/24/11: REVISED EQUIP LAYOUT: SMC</b>										
<b>REV.3: 07/19/11: LANDSCAPING REVISIONS: SMC</b>										
<b>REV.4: 08/12/13: REBRAND &amp; UTILITY REVS: SMC</b>										
<b>REV.5:</b>										

<b>SHEET NUMBER:</b>  <b>N-1</b>		