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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.

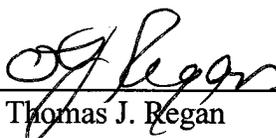
Specifically, the D&M Plan has been revised to: (i) include enhancements to the wetland buffer area (See sheets SP-2 and WM-1) and (ii) modify the route of the underground utilities (See sheet SP-1).

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,

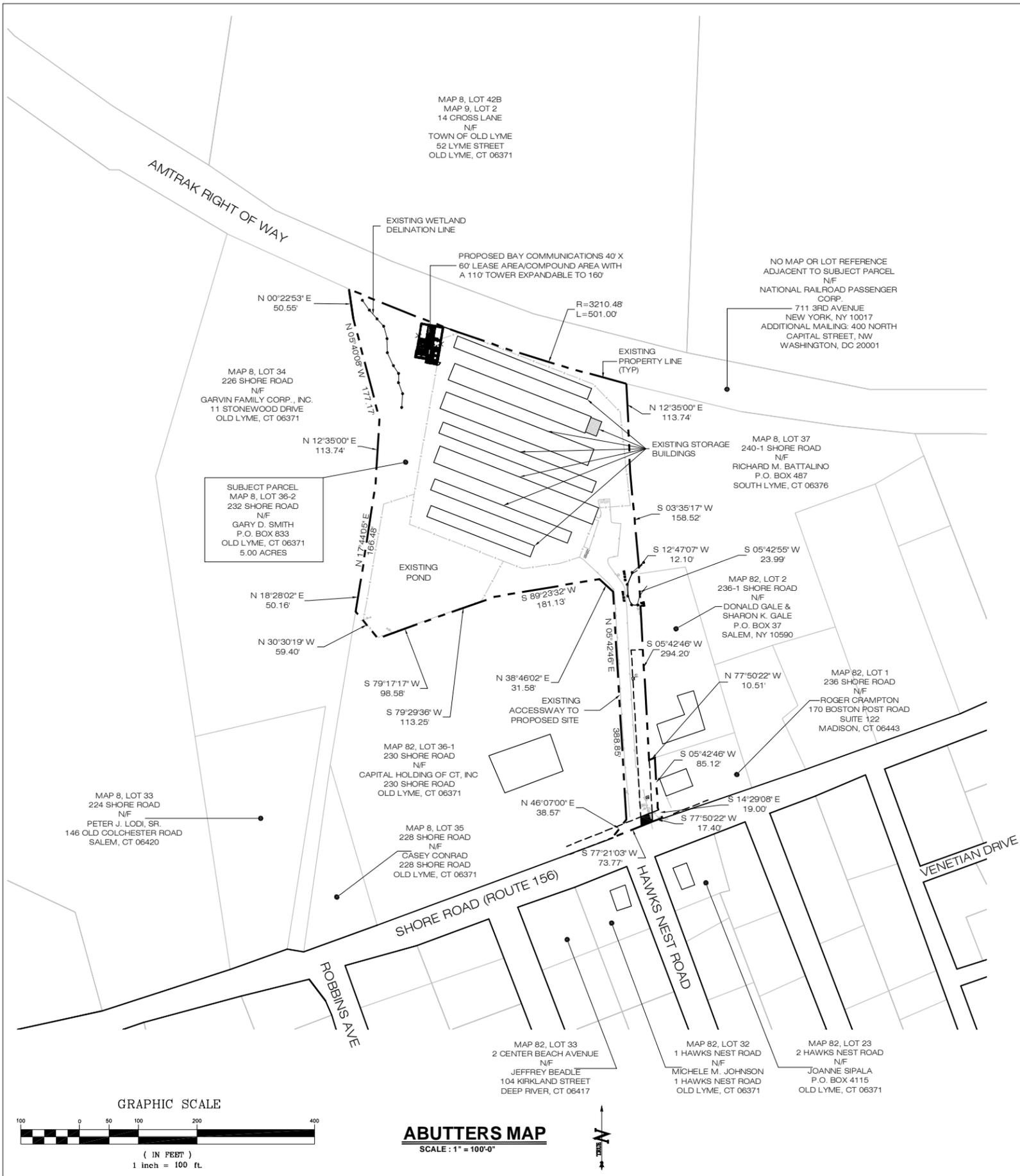
BROWN RUDNICK LLP

By: 
Thomas J. Regan

Enclosures

cc: Service List
Town of Old Lyme

b
r
o
w
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d
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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

SITWORK 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 (U.O.N.):
- WHITE CLOVER @ 0.20#/1000 SF
- TALL FESCUE @ 0.45#/1000 SF
- RYEGRASS @ 0.10#/1000 SF

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BAY COMMUNICATIONS SITE NUMBER:
CT0009

APT FILING NUMBER:
CT-265-140



391 OAKLAND STREET
MANSFIELD, MA 02048
(774) 719-2146



3 SADDLEBROOK DRIVE
KILLINGWORTH, CT 06419
WWW.ALLPOINTS TECH.COM

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

DEVELOPMENT & MANAGEMENT DOCUMENTS

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

DESIGN TYPE:

RAW LAND

REVISIONS:

- 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:

ABUTTERS MAP & CONSTRUCTION SEQUENCE

APT FILING NUMBER: CT-265-140

APT DRAWING NUMBER: CT265140

DRAWN BY: RCB

CHECKED BY: SMC

SCALE: AS NOTED

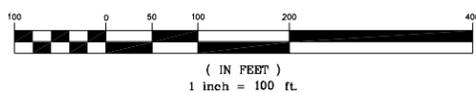
DATE: 11/01/10

SHEET NUMBER:

R-1



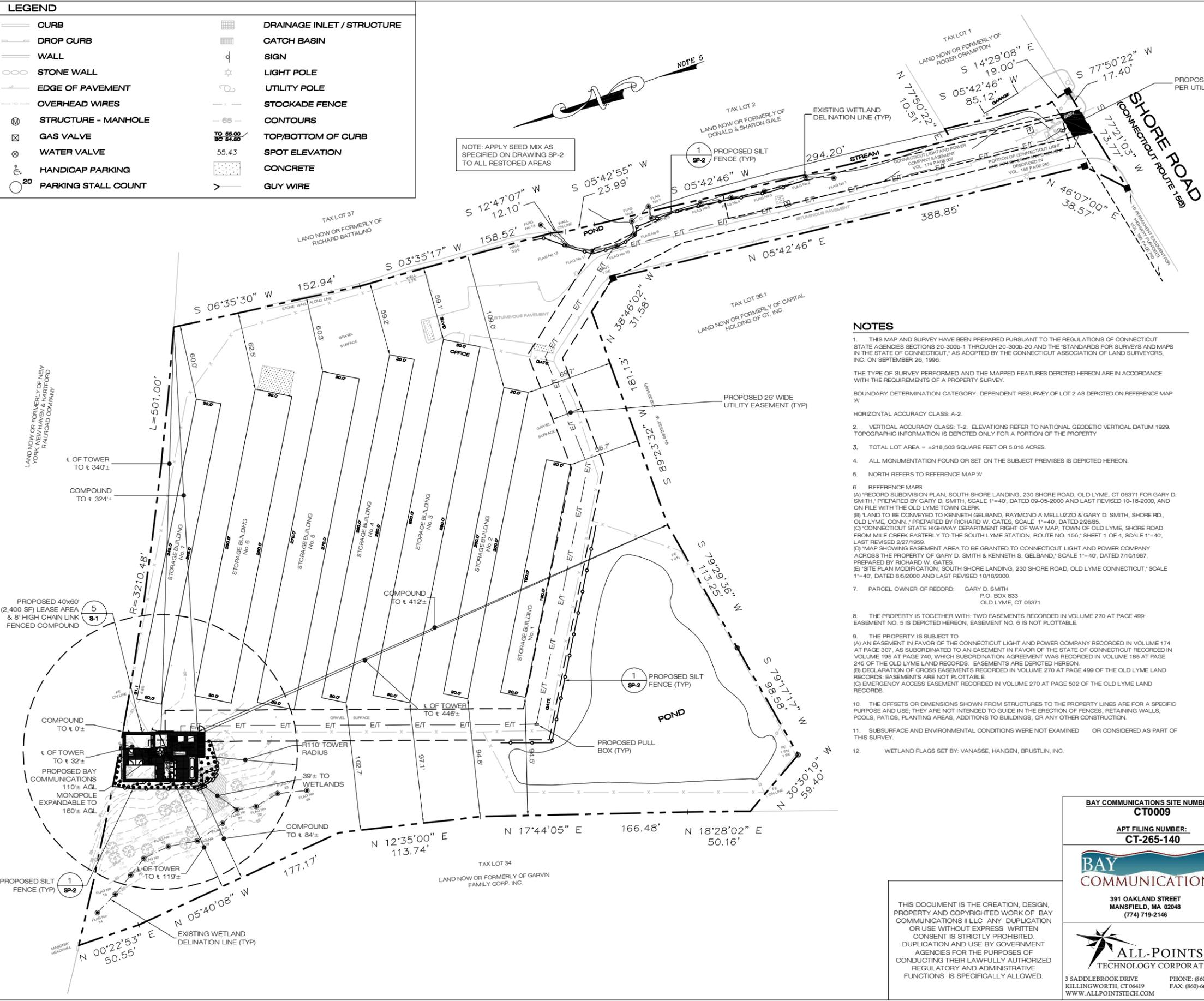
GRAPHIC SCALE



ABUTTERS MAP
SCALE: 1" = 100'-0"



LEGEND			
	CURB		DRAINAGE INLET / STRUCTURE
	DROP CURB		CATCH BASIN
	WALL		SIGN
	STONE WALL		LIGHT POLE
	EDGE OF PAVEMENT		UTILITY POLE
	OVERHEAD WIRES		STOCKADE FENCE
	STRUCTURE - MANHOLE		CONTOURS
	GAS VALVE		TOP/BOTTOM OF CURB
	WATER VALVE		SPOT ELEVATION
	HANDICAP PARKING		CONCRETE
	PARKING STALL COUNT		GUY WIRE



- NOTES**
- 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 PROPERTY SURVEY.
 - BOUNDARY DETERMINATION CATEGORY: DEPENDENT RESURVEY OF LOT 2 AS DEPICTED ON REFERENCE MAP 'A'
 - HORIZONTAL ACCURACY CLASS: A-2
 - VERTICAL ACCURACY CLASS: T-2. ELEVATIONS REFER TO NATIONAL GEODETIC VERTICAL DATUM 1929. TOPOGRAPHIC INFORMATION IS DEPICTED ONLY FOR A PORTION OF THE PROPERTY.
 - TOTAL LOT AREA = ±216,503 SQUARE FEET OR 5.016 ACRES.
 - ALL MONUMENTATION FOUND OR SET ON THE SUBJECT PREMISES IS DEPICTED HEREON.
 - NORTH REFERS TO REFERENCE MAP 'A'.
 - REFERENCE MAPS:
 - (A) RECORD SUBDIVISION PLAN, SOUTH SHORE LANDING, 230 SHORE ROAD, OLD LYME, CT 06371 FOR GARY D. SMITH, PREPARED BY GARY D. SMITH, SCALE 1"=40', DATED 09-05-2000 AND LAST REVISED 10-18-2000, AND ON FILE WITH THE OLD LYME TOWN CLERK.
 - (B) "LAND TO BE CONVEYED TO KENNETH GELBAND, RAYMOND A. MELLUZZO & GARY D. SMITH, SHORE RD., OLD LYME, CONN.," PREPARED BY RICHARD W. GATES, SCALE 1"=40', DATED 2/26/85.
 - (C) "CONNECTICUT STATE HIGHWAY DEPARTMENT RIGHT OF WAY MAP, TOWN OF OLD LYME, SHORE ROAD FROM MILE CREEK EASTERLY TO THE SOUTH LYME STATION, ROUTE NO. 156," SHEET 1 OF 4, SCALE 1"=40', LAST REVISED 2/27/1959.
 - (D) "MAP SHOWING EASEMENT AREA TO BE GRANTED TO CONNECTICUT LIGHT AND POWER COMPANY ACROSS THE PROPERTY OF GARY D. SMITH & KENNETH S. GELBAND," SCALE 1"=40', DATED 7/10/1987, PREPARED BY RICHARD W. GATES.
 - (E) "SITE PLAN MODIFICATION, SOUTH SHORE LANDING, 230 SHORE ROAD, OLD LYME CONNECTICUT," SCALE 1"=40', DATED 8/5/2000 AND LAST REVISED 10/18/2000.
 - PARCEL OWNER OF RECORD: GARY D. SMITH
P.O. BOX 833
OLD LYME, CT 06371
 - THE PROPERTY IS TOGETHER WITH: TWO EASEMENTS RECORDED IN VOLUME 270 AT PAGE 499: EASEMENT NO. 5 IS DEPICTED HEREON, EASEMENT NO. 6 IS NOT PLOTTABLE.
 - THE PROPERTY IS SUBJECT TO:
 - (A) AN EASEMENT IN FAVOR OF THE CONNECTICUT LIGHT AND POWER COMPANY RECORDED IN VOLUME 174 AT PAGE 307, AS SUBORDINATED TO AN EASEMENT IN FAVOR OF THE STATE OF CONNECTICUT RECORDED IN VOLUME 186 AT PAGE 740, WHICH SUBORDINATION AGREEMENT WAS RECORDED IN VOLUME 185 AT PAGE 245 OF THE OLD LYME LAND RECORDS. EASEMENTS ARE DEPICTED HEREON.
 - (B) DECLARATION OF CROSS EASEMENTS RECORDED IN VOLUME 270 AT PAGE 499 OF THE OLD LYME LAND RECORDS. EASEMENTS ARE NOT PLOTTABLE.
 - (C) EMERGENCY ACCESS EASEMENT RECORDED IN VOLUME 270 AT PAGE 502 OF THE OLD LYME LAND RECORDS.
 - THE OFFSETS OR DIMENSIONS SHOWN FROM STRUCTURES TO THE PROPERTY LINES ARE FOR A SPECIFIC PURPOSE AND USE, THEY ARE NOT INTENDED TO GUIDE IN THE ERECTION OF FENCES, RETAINING WALLS, POOLS, PATIOS, PLANTING AREAS, ADDITIONS TO BUILDINGS, OR ANY OTHER CONSTRUCTION.
 - SUBSURFACE AND ENVIRONMENTAL CONDITIONS WERE NOT EXAMINED OR CONSIDERED AS PART OF THIS SURVEY.
 - WETLAND FLAGS SET BY: VANASSE, HANGEN, BRUSTLIN, INC.

HANDICAPPED REQUIREMENTS. FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION. HANDICAP ACCESS NOT REQUIRED.

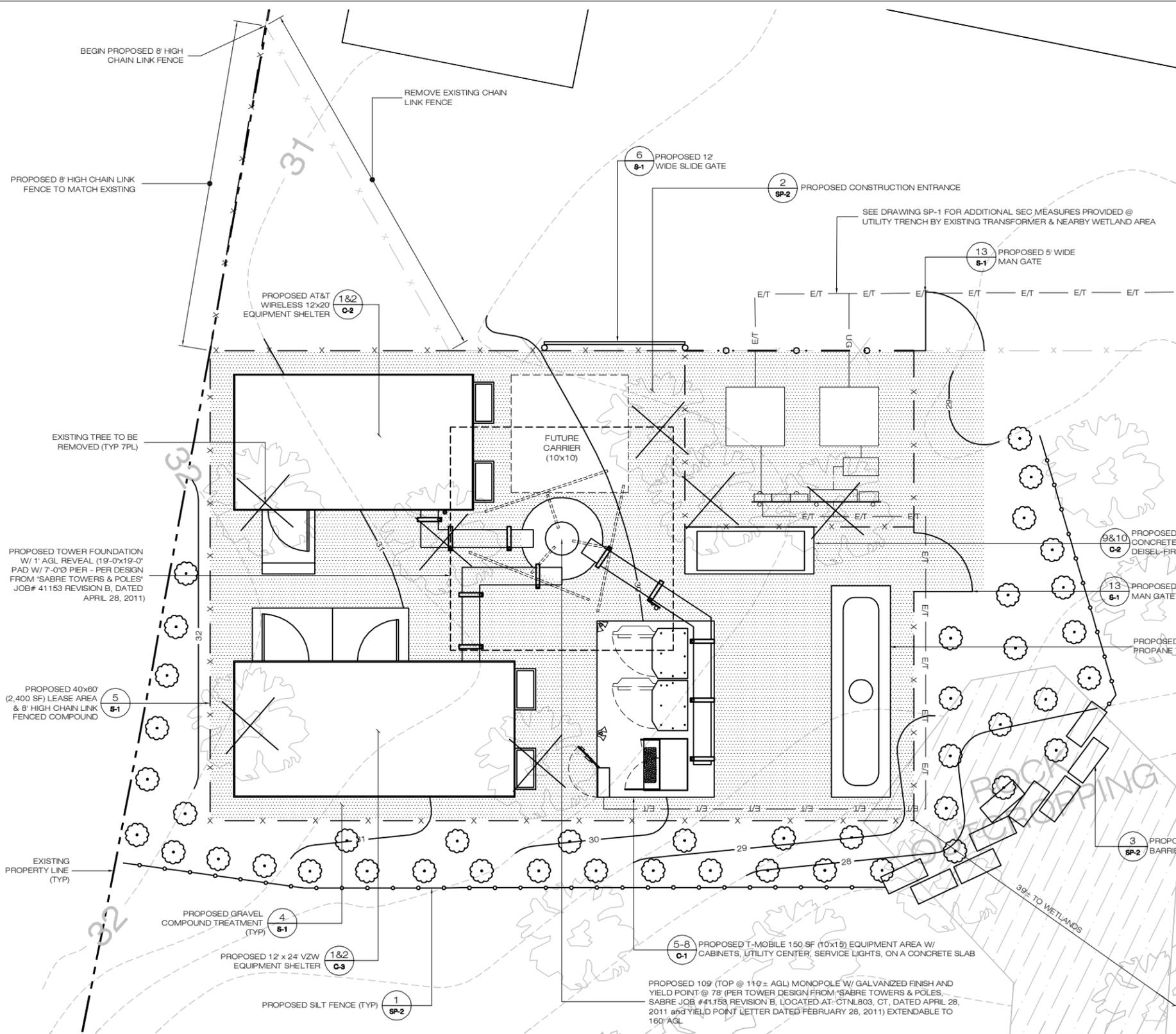
DRAINAGE NOTE. THE IMPERVIOUS AREA ON THE SUBJECT PARCEL WILL BE INCREASED BY APPROXIMATELY 0.4%.

LAND DISTURBANCE NOTE. 0.15 ACRES (0.06 AC COMPOUND, 0.09 AC UTILITIES) OF LAND WILL BE DISTURBED DURING CONSTRUCTION ACTIVITIES, WHICH IS BELOW THE 0.5 ACRE LIMIT NOTED IN FIGURE 3-1 OF PAGE 3-3 OF THE 2002 CT EROSION AND SEDIMENT CONTROL GUIDELINES.

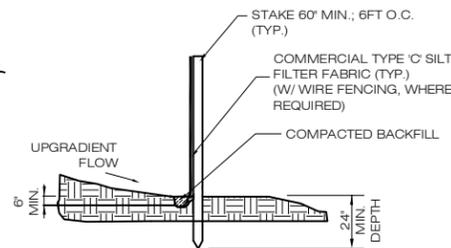
NOTE: 7 TREES WILL BE REMOVED IN CONSTRUCTING THE FACILITY.

BAY COMMUNICATIONS SITE NUMBER: CT0009 APT FILING NUMBER: CT-265-140	DEVELOPMENT & MANAGEMENT DOCUMENTS OLD LYME II 232 SHORE ROAD OLD LYME, CT 06371-2086		SITE PLAN	
	DESIGN TYPE: RAW LAND		APT FILING NUMBER: CT-265-140 APT DRAWING NUMBER: CT265140	
 391 OAKLAND STREET MANSFIELD, MA 02048 (774) 719-2146	DRAWN BY: RCB CHECKED BY: SMC		SCALE: AS NOTED DATE: 11/01/10	
	REVISIONS: 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:		SHEET NUMBER: SP-1	
 3 SADDLEBROOK DRIVE KILLINGWORTH, CT 06419 WWW.ALLPOINTSTECH.COM		PHONE: (860)-663-1697 FAX: (860)-663-0935		

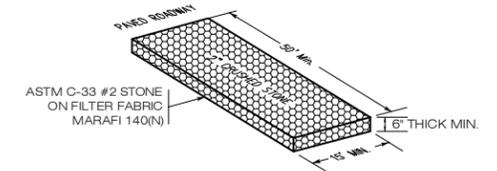
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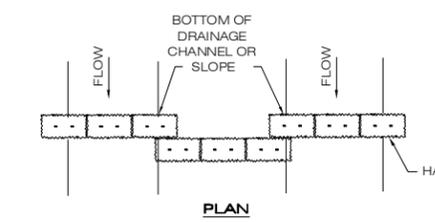
PARTIAL SITE PLAN
SCALE: 1" = 5'-0"



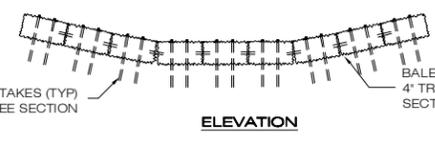
1 (GSF) GEOTEXTILE SILT FENCE DETAIL
SCALE: NTS



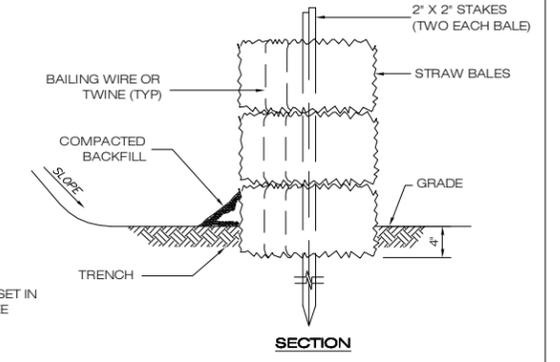
2 (CE) CONSTRUCTION ENTRANCE DETAIL
SCALE: NTS



PLAN



ELEVATION



SECTION

3 HAY BALE BARRIER
SCALE: NTS

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BAY COMMUNICATIONS

391 OAKLAND STREET
MANSFIELD, MA 02048
(774) 719-2146

ALL-POINTS TECHNOLOGY CORPORATION

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

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

DEVELOPMENT & MANAGEMENT DOCUMENTS	
OLD LYME II 232 SHORE ROAD OLD LYME, CT 06371-2086	
DESIGN TYPE: RAW LAND	
REVISIONS:	
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:	

GRADING & EROSION CONTROL PLAN	
APT FILING NUMBER: CT-265-140	
APT DRAWING NUMBER: CT265140	
DRAWN BY: RCB	SCALE: AS NOTED
CHECKED BY: SMC	DATE: 11/01/10
SHEET NUMBER:	
SP-2	



WETLAND BUFFER ENHANCEMENT AREA NOTES

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:

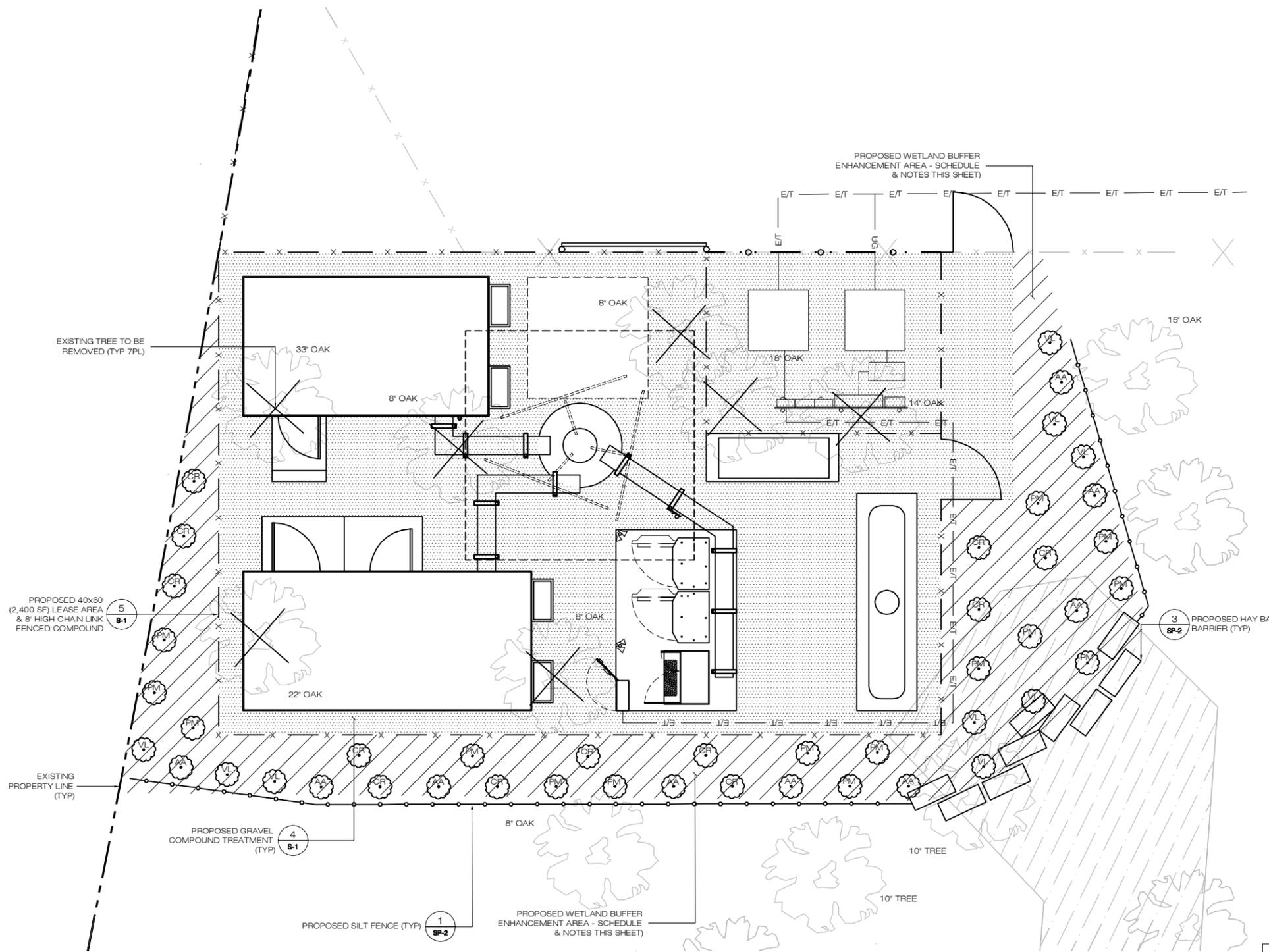
1. PRIOR TO ANY EARTHWORK, A SILT FENCE/HAY BALE EROSION CONTROL BARRIER WILL BE INSTALLED BETWEEN THE EXISTING WATER QUALITY BASIN AND PROPOSED FACILITY.
2. THE SILT FENCE/HAY BALE EROSION CONTROL BARRIER SHALL BE INSPECTED PRIOR TO COMMENCEMENT OF CONSTRUCTION ACTIVITIES.
3. THE WETLAND BUFFER ENHANCEMENT AREA SHALL CONSIST OF TOPSOIL A MINIMUM OF 8 INCHES DEEP.
4. WETLAND BUFFER ENHANCEMENT AREA PLANTINGS SHALL TAKE PLACE ONCE THE ABOVE LISTED TASKS HAVE BEEN COMPLETED. THE WETLAND BUFFER ENHANCEMENT AREA WILL BE PLANTED WITH NATIVE TREES AND SHRUBS AS NOTED IN THE WETLAND BUFFER PLANTING PLAN AND SCHEDULE AND UNDERSOWN WITH A NATIVE CONSERVATION/WILDLIFE SEED MIX AFTER THE GRADING IS COMPLETED. SOIL CONDITIONING ACTIVITIES, INCLUDING RAKING, WILL BE COMBINED WITH THE SEED APPLICATION PROCESS.
5. THE PLANTING STOCK SPECIMENS SHALL BE INSPECTED FOR HEALTH, PEST, AND SUITABLE FOR USE WITHIN THE WETLAND BUFFER ENHANCEMENT AREA. UNSUITABLE SPECIMENS WILL BE REJECTED AND REPLACED WITH SUITABLE SPECIMENS. ANY PLANTING SUBSTITUTIONS MUST BE APPROVED BY A QUALIFIED WETLAND SCIENTIST EXPERIENCED IN WETLAND MITIGATION DESIGN. ALL WOODY PLANT STOCK SHALL BE CONTAINER-GROWN OR BURLAP BALLED. PLANTING WITHIN THE WETLAND BUFFER ENHANCEMENT AREA WILL CONFORM TO THE PLANS. ONLY PLANT MATERIALS NATIVE AND INDIGENOUS TO CONNECTICUT SHALL BE USED. INVASIVE PLANT SPECIES WILL NOT BE USED IN THE WETLAND BUFFER ENHANCEMENT AREA.
6. ALL PLANT MATERIALS INSTALLED SHALL MEET OR EXCEED THE SPECIFICATIONS OF THE 'AMERICAN STANDARDS FOR NURSERY STOCK' BY THE AMERICAN ASSOCIATION OF NURSEYMEN. ALL PLANT MATERIALS SHALL BE GUARANTEED FOR ONE YEAR FOLLOWING DATE OF FINAL ACCEPTANCE.
7. UPON COMPLETION OF PLANTING, THE WETLAND BUFFER ENHANCEMENT AREA WILL BE MULCHED WITH A 2 TO 3 INCH THICK LAYER OF LEAF LITTER OR OTHER NATURAL ORGANIC MATERIAL (EG, STRAW) FREE OF WEED SEEDS AND INVASIVE SPECIES.
8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CAREFUL INSTALLATION, MAINTENANCE (INCLUDING WATERING), AND ESTABLISHMENT OF THE PLANT MATERIAL IN THE WETLAND BUFFER ENHANCEMENT AREA. A MAINTENANCE SCHEDULE FOR IRRIGATION AND PRUNING (AS NECESSARY) WILL BE ESTABLISHED BY THE CONTRACTOR. ALL PLANTS SHALL BE GUARANTEED BY THE CONTRACTOR TO REMAIN ALIVE AND HEALTHY FOR THE FULL TWELVE (12) MONTH PERIOD.
9. ALL PLANTINGS TO BE SPACED IN ACCORDANCE WITH THE WETLAND BUFFER PLANTING PLAN TO SIMULATE NATURAL GROWTH PATTERNS.
10. THE EROSION CONTROL BARRIERS SHALL BE DISASSEMBLED AND PROPERLY DISPOSED OF FOLLOWING PLANTING OF THE WETLAND BUFFER ENHANCEMENT AREA AND COMPLETE STABILIZATION OF EXPOSED SOILS. SEDIMENT COLLECTED BY THESE DEVICES WILL BE REMOVED AND DISPOSED OF IN A MANNER THAT PREVENTS EROSION AND TRANSPORT TO THE NEARBY WATER QUALITY BASIN.

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 TO BE UNDERSOWN WITH A CONSERVATION / WILDLIFE SEED MIX (SUPPLIED BY NEW ENGLAND WETLAND PLANTS, INC. (413.548-8000), OR APPROVED EQUIVALENT) CONTAINING THE FOLLOWING SPECIES (OR APPROVED EQUIVALENT): BIG BLUESTEM (ANDROPOGON GERARDII), SWITCHGRASS (PANICUM VIRGATUM), LITTLE BLUESTEM (SCHIZACHYRIUM SCOPARIUM), VIRGINIA WILD RYE (ELYMIUS VIRGINICUS), PARTRIDGE PEA (CHAMAECRISTA FASCICULATA), COMMON MILKWEED (ASCLEPIAS SYRIACA), SHOWY TICK-TREFOIL (DESMODIUM CANADENSE), NEW ENGLAND ASTER (ASTER NOVAE-ANGLIAE), SPOTTED JOE PYE WEED (EUPATORIUM MACULATUM), GRASS LEAVED GOLDENROD (EUTHAMIA GRAMINIFOLIA), CREEPING RED FESCUE (FESTUCA RUBRA), OX EYE SUNFLOWER (HELIOPSIS 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 SFLB.
2. SHRUBS SHALL BE PROVIDED IN CONTAINERS NO SMALLER THAN #2 SIZE.

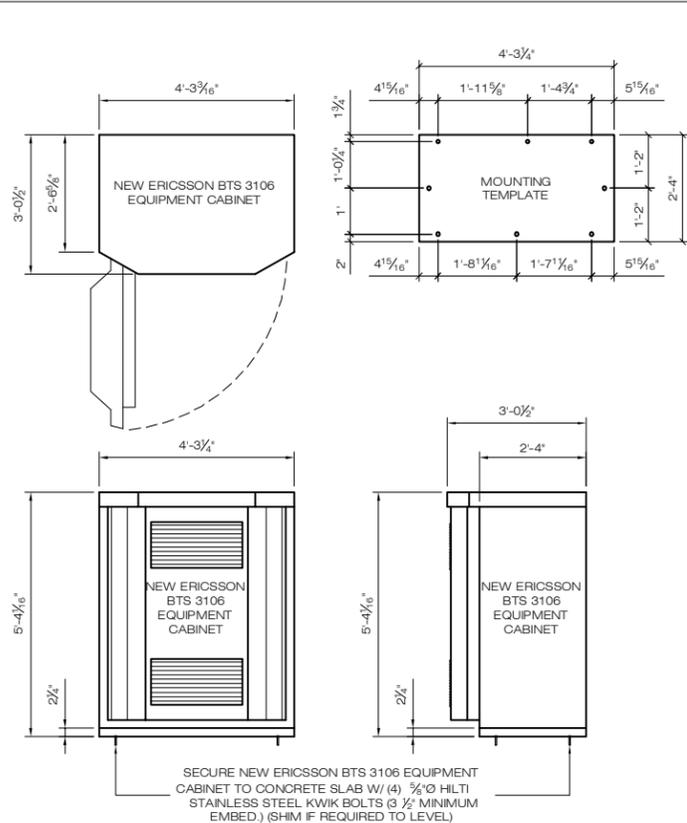


PARTIAL SITE PLAN

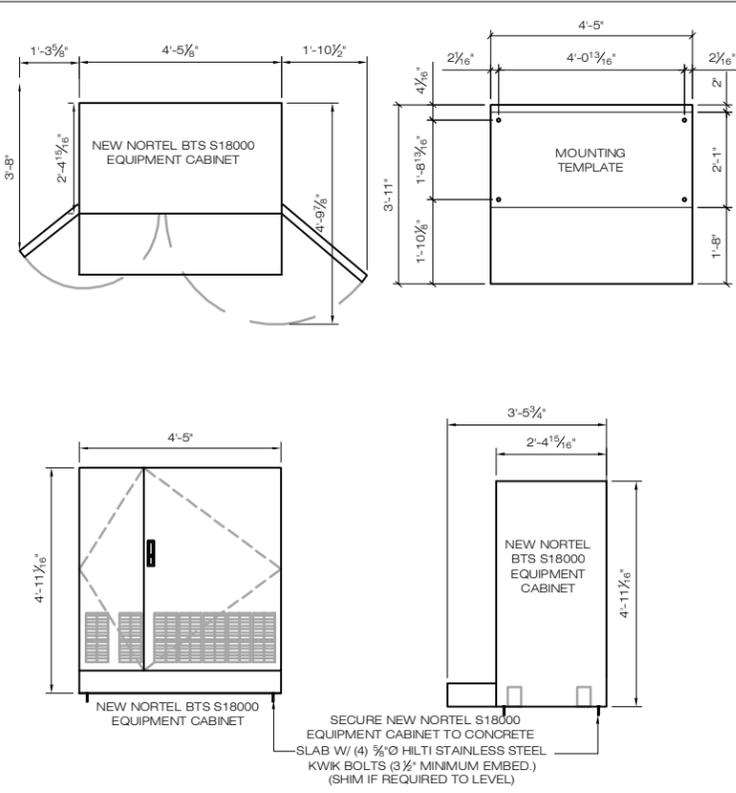
SCALE: 1" = 5'-0"

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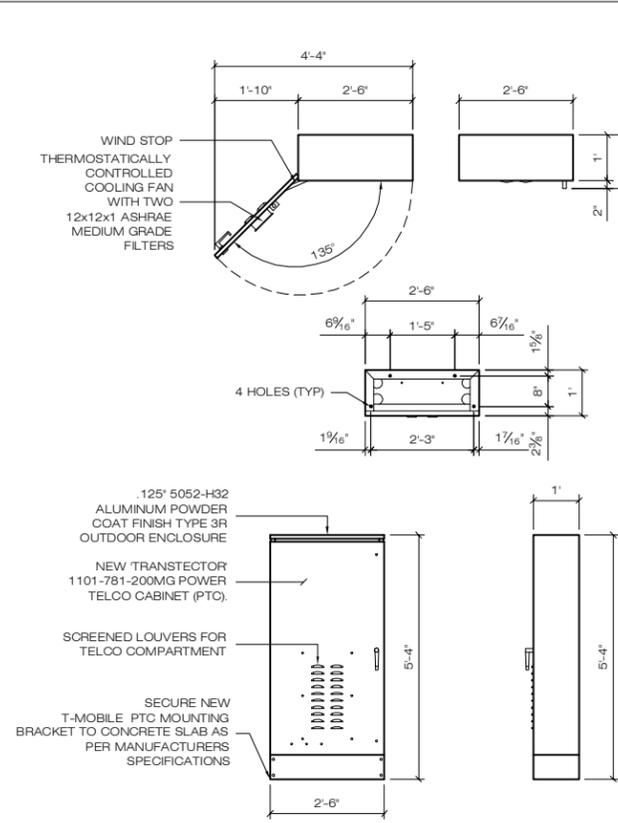
BAY COMMUNICATIONS 391 OAKLAND STREET MANSFIELD, MA 02048 (774) 719-2146	BAY COMMUNICATIONS SITE NUMBER: CT0009	DEVELOPMENT & MANAGEMENT DOCUMENTS OLD LYME II 232 SHORE ROAD OLD LYME, CT 06371-2086	WETLAND MITIGATION PLAN
	APT FILING NUMBER: CT-265-140	DESIGN TYPE: RAW LAND	APT FILING NUMBER: CT-265-140 APT DRAWING NUMBER: CT265140
ALL-POINTS TECHNOLOGY CORPORATION 3 SADDLEBROOK DRIVE KILLINGWORTH, CT 06419 WWW.ALLPOINTSTECH.COM	REVISIONS: 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:	DRAWN BY: RCB CHECKED BY: SMC	SCALE: AS NOTED DATE: 11/01/10
	SHEET NUMBER: WM-1		



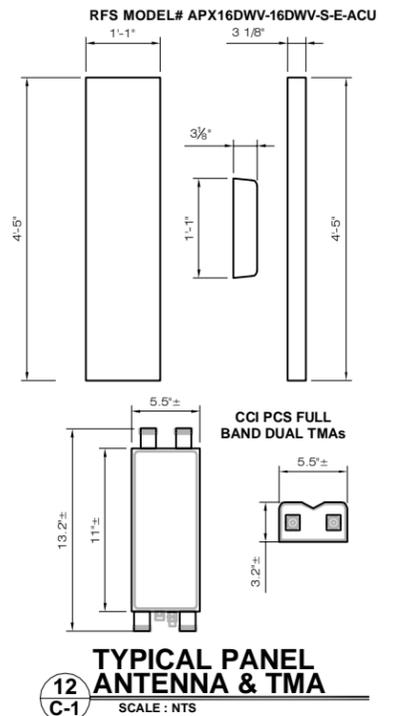
1 ERICSSON RBS 3106 EQUIPMENT CABINET
SCALE: 1/2" = 1'-0"



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



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



12 TYPICAL PANEL ANTENNA & TMA
SCALE: NTS

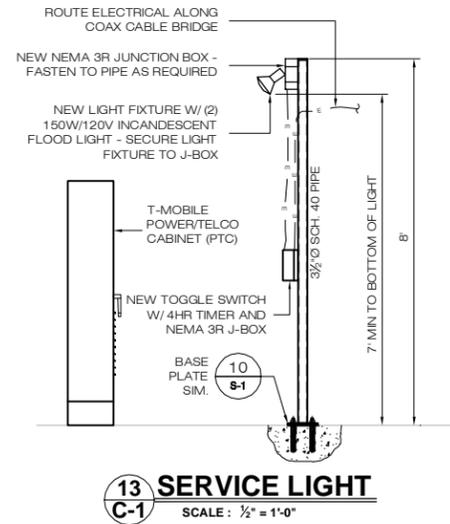
DESIGN LOAD CRITERIA

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

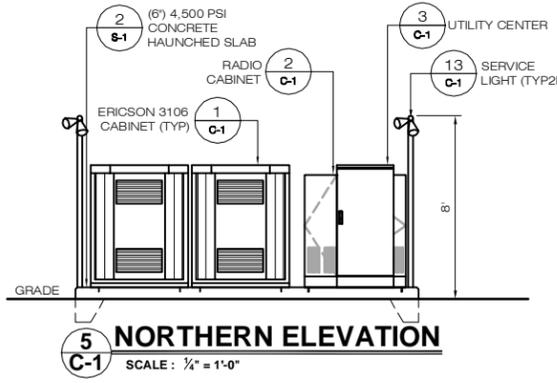
DESIGN BASIS	CONNECTICUT STATE BUILDING CODE
GOVERNING CODE	40 PSF (ASCE 7-02)
DESIGN LIVE LOADS	II
IMPORTANCE CATEGORY	
SNOW LOAD:	
GROUND SNOW LOAD (Pg)	30 PSF
IMPORTANCE FACTOR	1.0
EXPOSURE FACTOR (Ce)	0.9
THERMAL FACTOR (Ct)	1.0
WIND LOAD:	
BASIC WIND LOAD	115 MPH (3 SECOND GUST)
EXPOSURE GROUP	C
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 (Sb)	0.080
SITE CLASS	D FOR UNKNOWN SOIL PROPERTIES
IMPORTANCE FACTOR	1.0



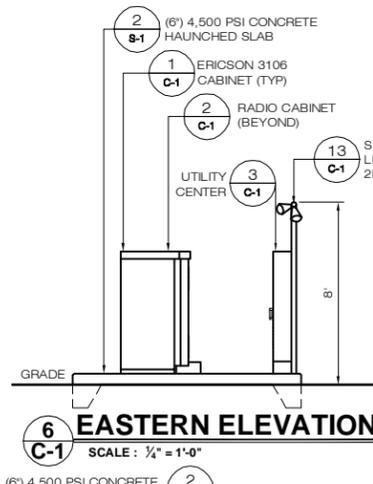
11 TYPICAL GSM & GPS ANTENNA DETAILS
SCALE: NTS



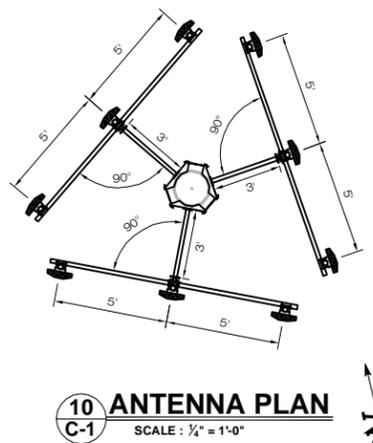
13 SERVICE LIGHT
SCALE: 1/2" = 1'-0"



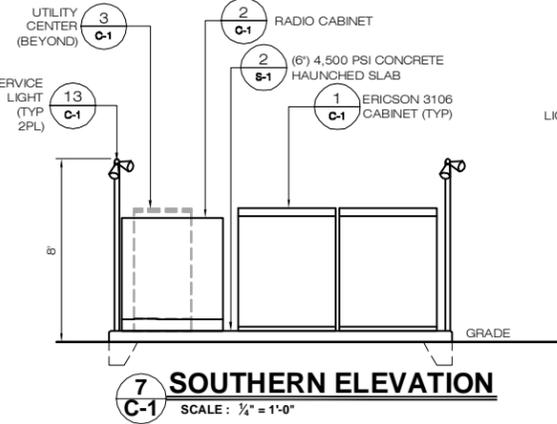
5 NORTHERN ELEVATION
SCALE: 1/2" = 1'-0"



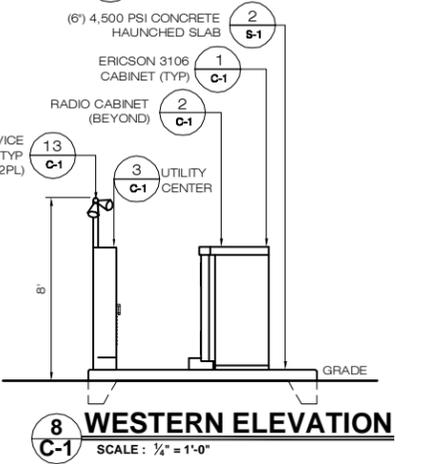
6 EASTERN ELEVATION
SCALE: 1/4" = 1'-0"



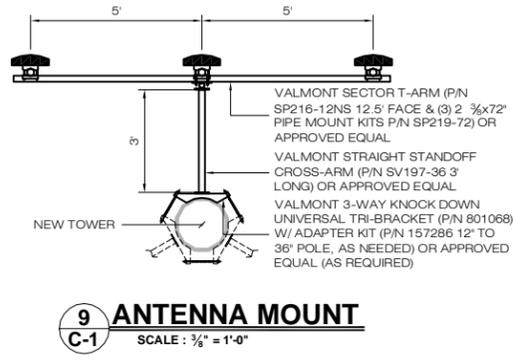
10 ANTENNA PLAN
SCALE: 1/4" = 1'-0"



7 SOUTHERN ELEVATION
SCALE: 1/2" = 1'-0"

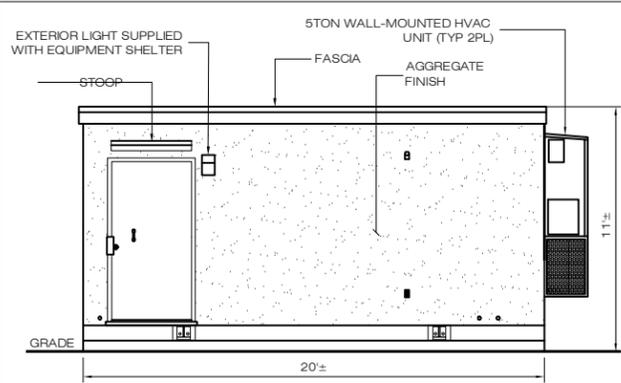


8 WESTERN ELEVATION
SCALE: 1/4" = 1'-0"

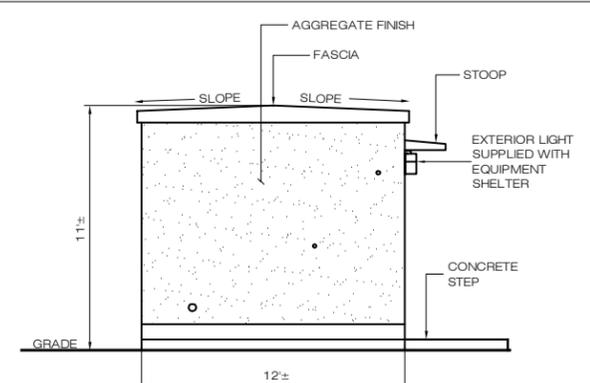


9 ANTENNA MOUNT
SCALE: 1/8" = 1'-0"

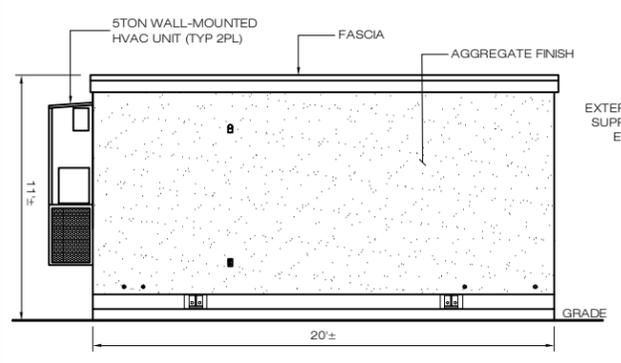
BAY COMMUNICATIONS SITE NUMBER: CT0009	DEVELOPMENT & MANAGEMENT DOCUMENTS	T-MOBILE EQUIPMENT PLAN & DETAILS
APT FILING NUMBER: CT-265-140	OLD LYME II 232 SHORE ROAD OLD LYME, CT 06371-2086	APT FILING NUMBER: CT-265-140
BAY COMMUNICATIONS	DESIGN TYPE: RAW LAND	APT DRAWING NUMBER: CT265140 C-1.DWG
391 OAKLAND STREET MANSFIELD, MA 02048 (774) 719-2146	DRAWN BY: AAJ	SCALE: AS NOTED
ALL-POINTS TECHNOLOGY CORPORATION	CHECKED BY: SMC	DATE: 11/01/10
3 SADDLEBROOK DRIVE KILLINGWORTH, CT 06419 WWW.ALLPOINTSTECH.COM	REVISIONS:	SHEET NUMBER: C-1
PHONE: (860) 663-1697 FAX: (860) 663-0935	REV. 0: 03/25/11: FOR REVIEW: SMC	STATE OF CONNECTICUT PROFESSIONAL ENGINEER
	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 REV: SMC	
	REV. 5:	



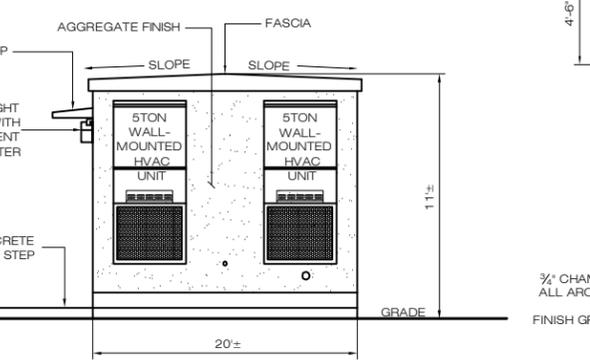
WESTERN ELEVATION



NORTHERN ELEVATION

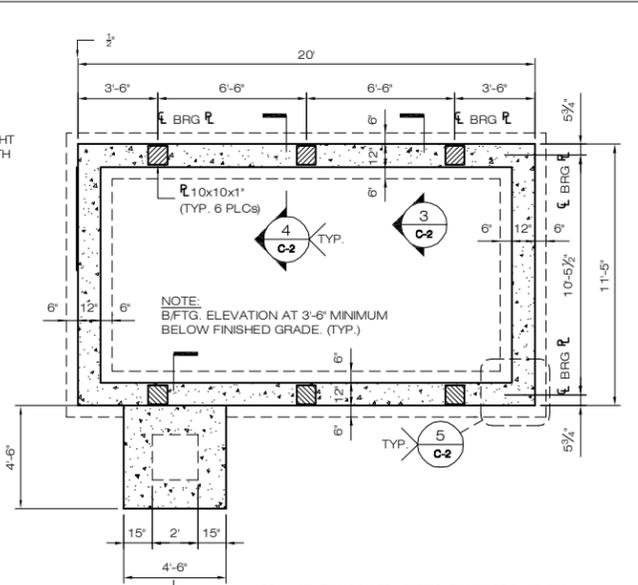


EASTERN ELEVATION

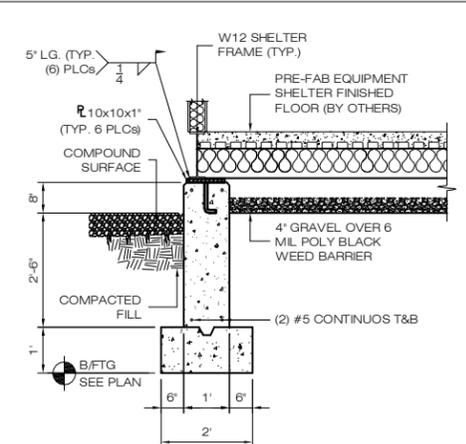


SOUTHERN ELEVATION

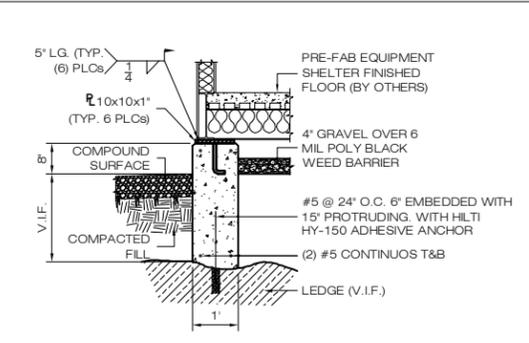
1 12' X 20' EQUIPMENT SHELTER
SCALE: 1/4" = 1'-0"



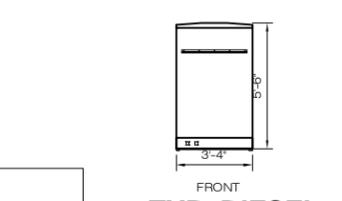
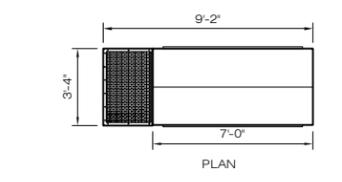
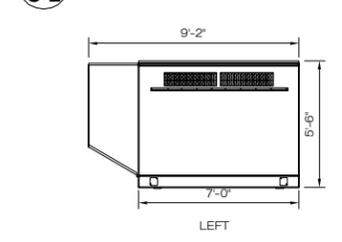
2 FOUNDATION PLAN
SCALE: 1/4" = 1'-0"



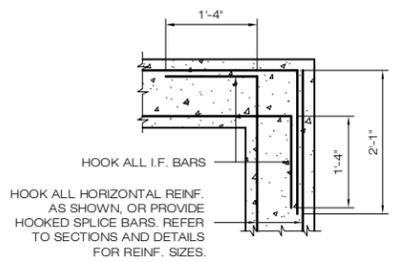
3 FOUNDATION SECTION
SCALE: 1/2" = 1'-0"



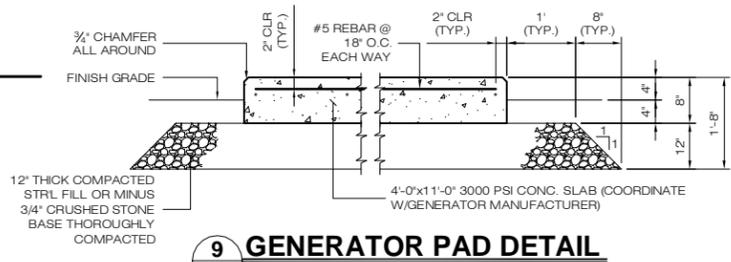
4 FOUNDATION OVER LEDGE OR TOWER FOUNDATION
SCALE: 1/2" = 1'-0"



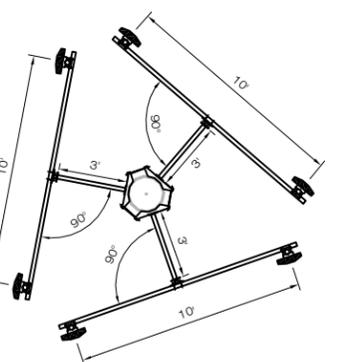
10 TYP. DIESEL GENERATOR SCHEMATICS
SCALE: 1/4" = 1'-0"



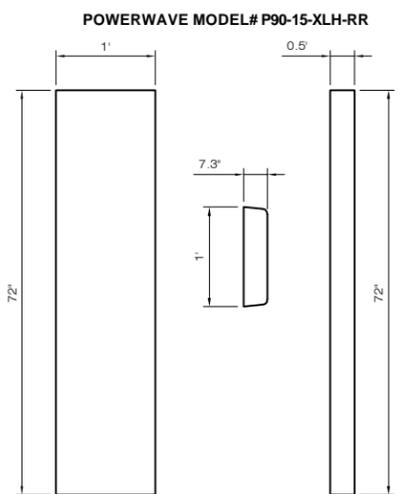
5 DETAIL CORNER REINFORCEMENT
SCALE: 3/4" = 1'-0"



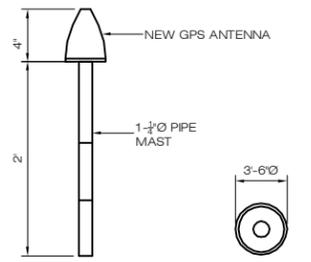
9 GENERATOR PAD DETAIL
SCALE: NTS



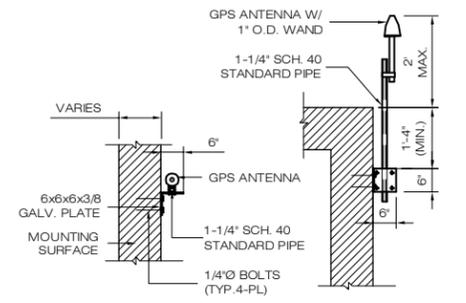
11 ANTENNA PLAN
SCALE: 1/2" = 1'-0"



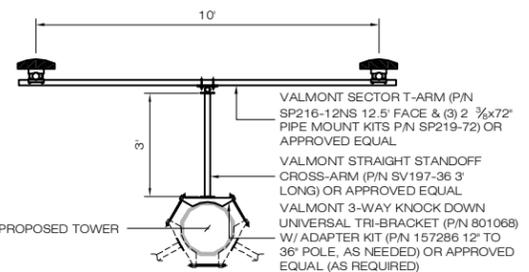
13 TYPICAL PANEL ANTENNA & TMA
SCALE: NTS



7 TYPICAL GPS DETAILS
SCALE: NTS



8 TYPICAL GPS MOUNTING DETAIL
SCALE: NTS



12 ANTENNA MOUNT
SCALE: 3/8" = 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 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 (Ss)	0.080
SITE CLASS	D FOR UNKNOWN SOIL PROPERTIES
IMPORTANCE FACTOR	1.0

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BAY COMMUNICATIONS SITE NUMBER:
CT0009

APT FILING NUMBER:
CT-265-140

BAY COMMUNICATIONS

391 OAKLAND STREET
MANSFIELD, MA 02048
(774) 719-2146

ALL-POINTS TECHNOLOGY CORPORATION

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

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

DEVELOPMENT & MANAGEMENT DOCUMENTS

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

DESIGN TYPE:
RAW LAND

REVISIONS:

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:

AT&T EQUIPMENT PLAN & DETAILS

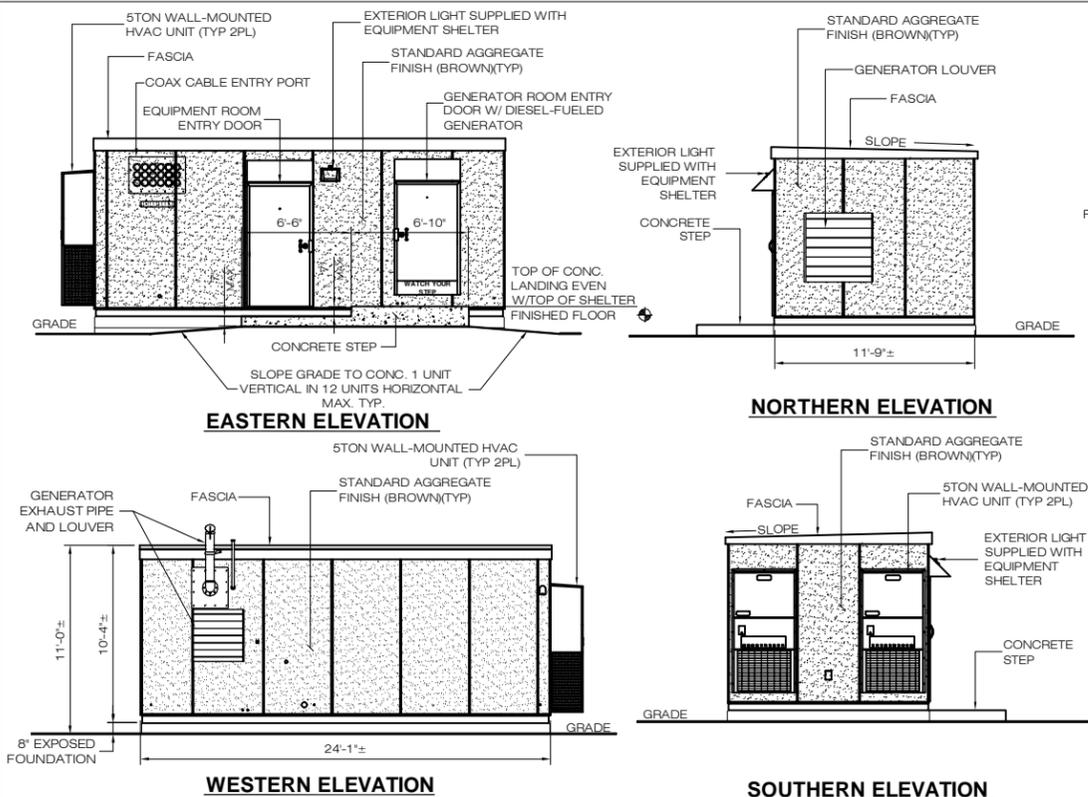
APT FILING NUMBER: CT-265-140
APT DRAWING NUMBER: CT265140 C-2.DWG

DRAWN BY: RCB
CHECKED BY: SMC

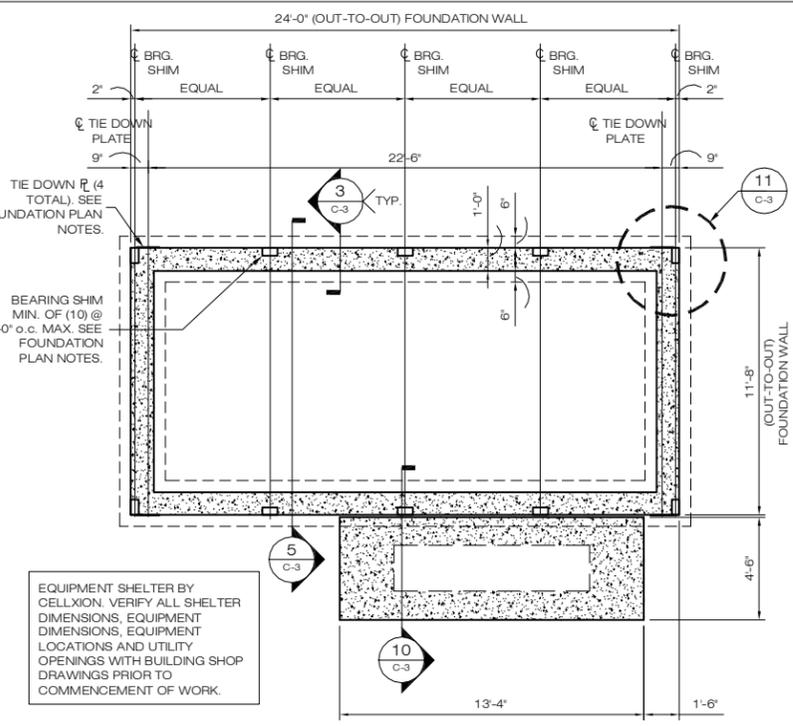
SCALE: AS NOTED
DATE: 11/01/10

SHEET NUMBER:
C-2

PROFESSIONAL ENGINEER



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



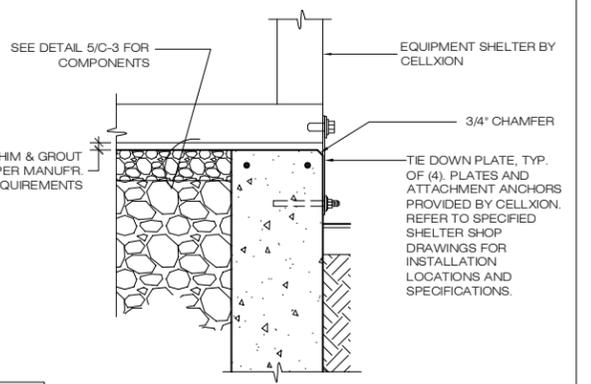
2 FOUNDATION PLAN
 C-3 SCALE: 1/4" = 1'-0"

FOUNDATION PLAN NOTES:

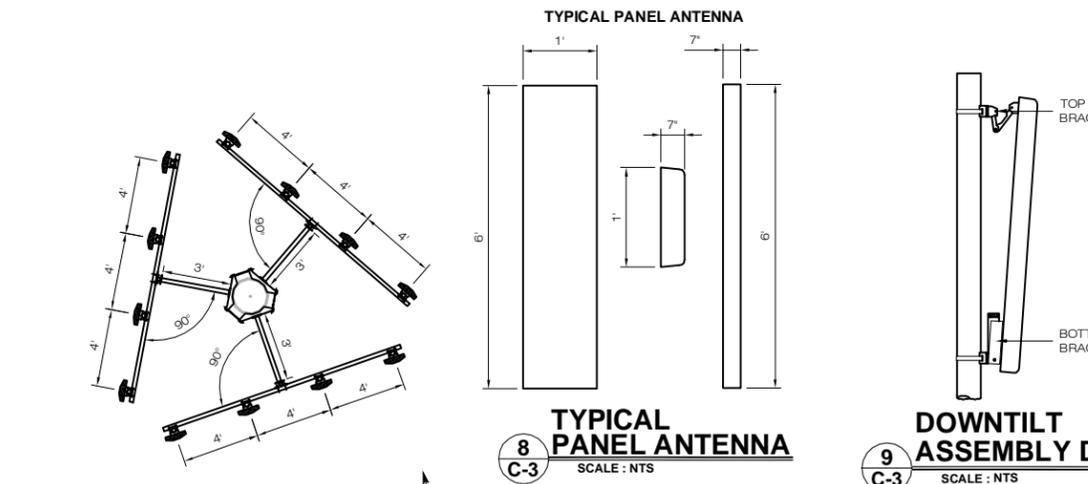
1. B/FTG. ELEVATION AT 3'-6" MINIMUM BELOW FINISHED GRADE, (TYP)
2. BEARING SHIMS, TIE-DOWN PLATES AND ASSOCIATED INSTALLATION ANCHORS PROVIDED BY CELLXION. CONTRACTOR SHALL VERIFY ALL SHIM & TIE-DOWN QUANTITIES AND LOCATIONS WITH CELLXION PRIOR TO PERFORMING FOUNDATION WORK.
3. SLAB/TOP OF WALL TOLERANCE 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

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 (S1)	0.080
SITE CLASS	D FOR UNKNOWN SOIL PROPERTIES
IMPORTANCE FACTOR	1.0



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

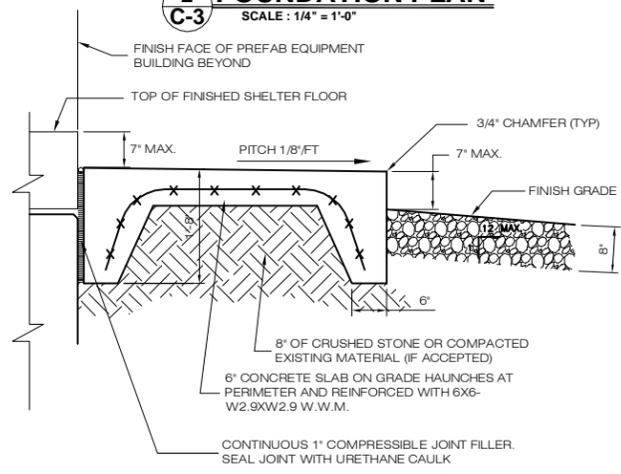


8 TYPICAL PANEL ANTENNA
 C-3 SCALE: NTS

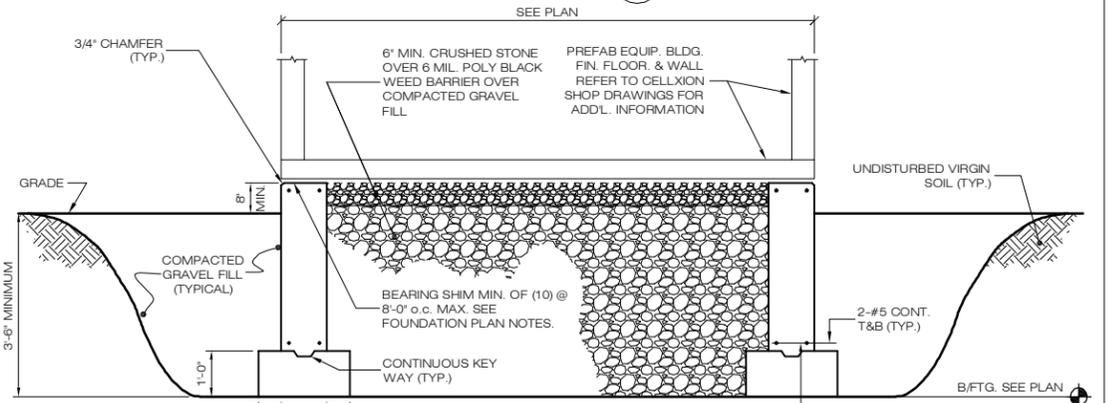
9 DOWNTILT ASSEMBLY DETAIL
 C-3 SCALE: NTS

6 ANTENNA PLAN
 C-3 SCALE: NTS

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

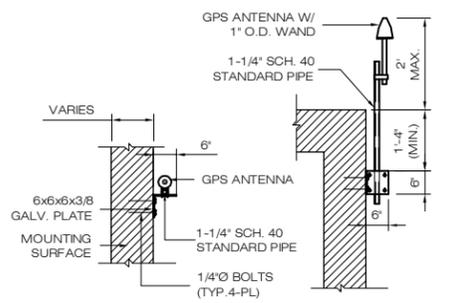


10 ENTRY STOOP DETAIL - SECTION
 C-3 SCALE: 3/16" = 1'-0"

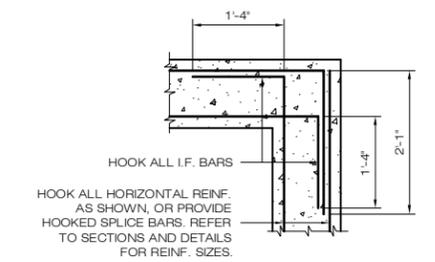


5 FOUNDATION SECTION
 C-3 SCALE: 1/2" = 1'-0"

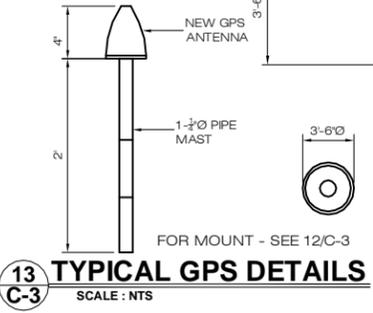
4 ALT. FOUNDATION OVER LEDGE OR TOWER FOUNDATION
 C-3



12 TYPICAL GPS MOUNTING DETAIL
 C-3 SCALE: NTS



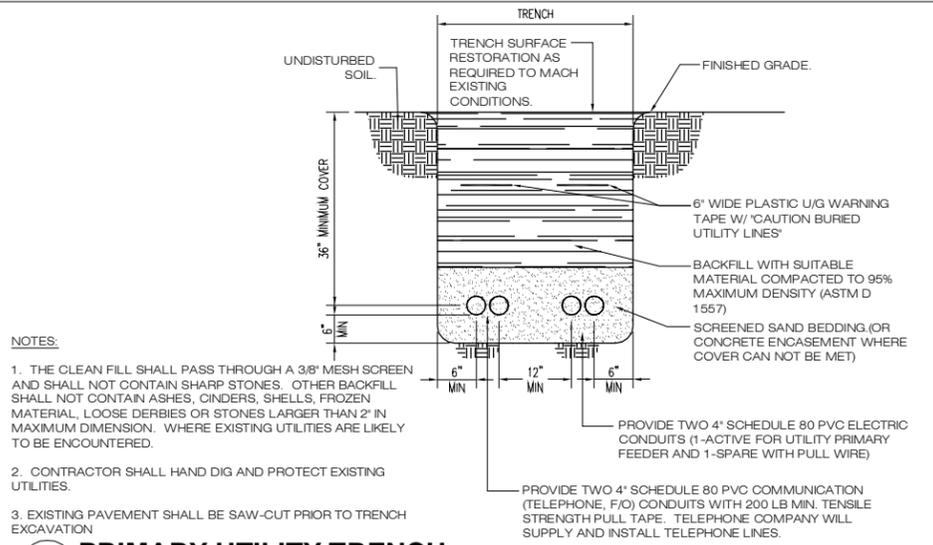
11 DETAIL CORNER REINFORCEMENT
 C-3 SCALE: 3/4" = 1'-0"



13 TYPICAL GPS DETAILS
 C-3 SCALE: NTS

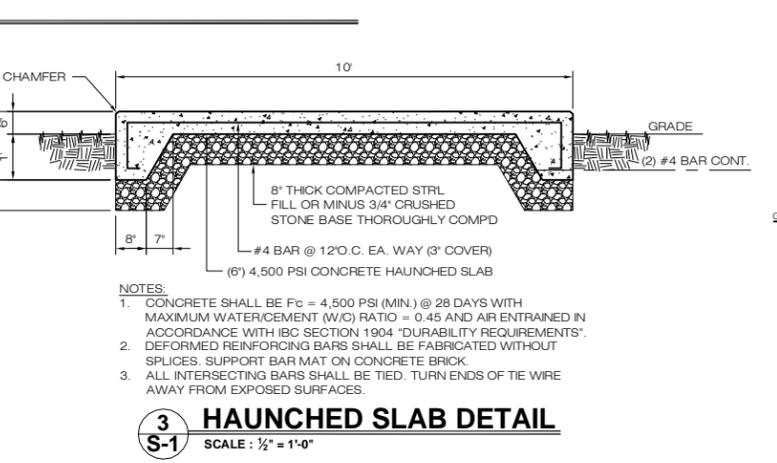
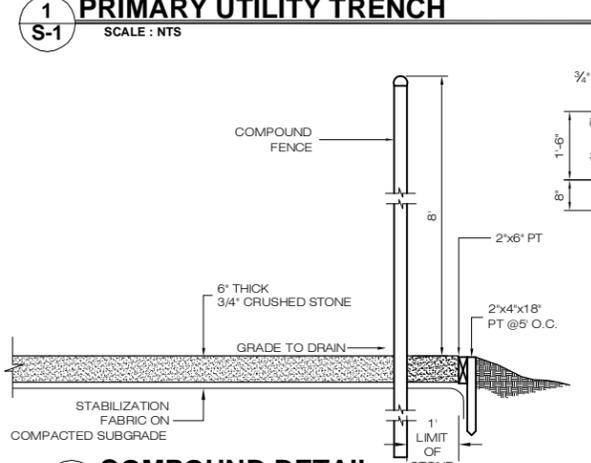
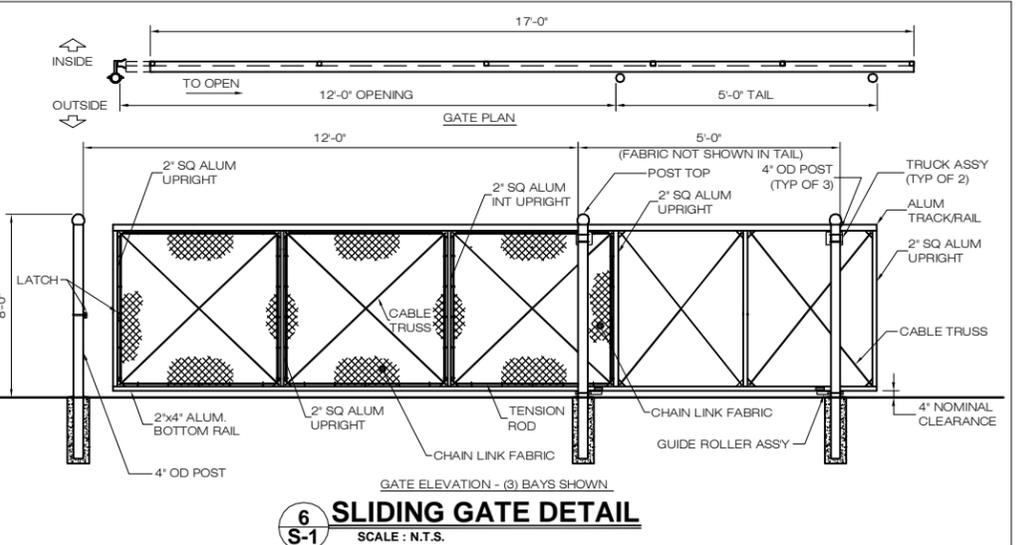
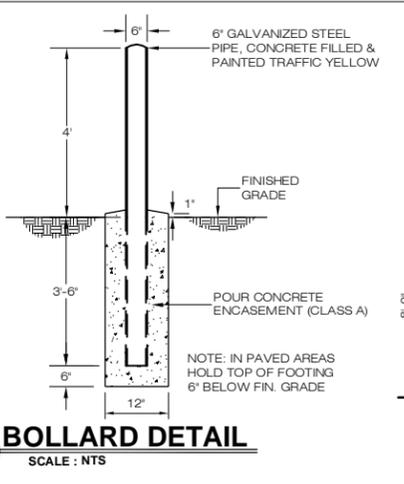
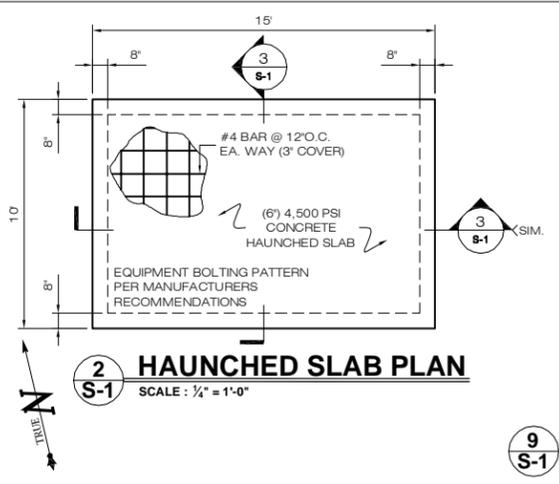
BAY COMMUNICATIONS SITE NUMBER: CT0009 APT FILING NUMBER: CT-265-140 391 OAKLAND STREET MANSFIELD, MA 02048 (774) 719-2146	DEVELOPMENT & MANAGEMENT DOCUMENTS OLD LYME II 232 SHORE ROAD OLD LYME, CT 06371-2086	VZW EQUIPMENT PLAN & DETAILS APT FILING NUMBER: CT-265-140 APT DRAWING NUMBER: CT265140 C-3.DWG
	DESIGN TYPE: RAW LAND	DRAWN BY: RCB CHECKED BY: SMC
 ALL-POINTS TECHNOLOGY CORPORATION 3 SADDLEBROOK DRIVE KILLINGWORTH, CT 06419 PHONE: (860)-663-1697 FAX: (860)-663-0935 WWW.ALLPOINTSTECH.COM	REVISIONS: 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:	SHEET NUMBER: C-3

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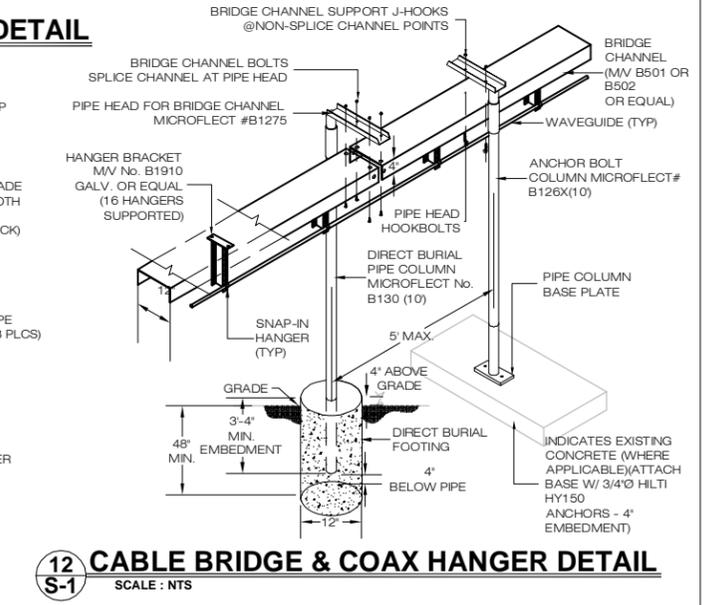
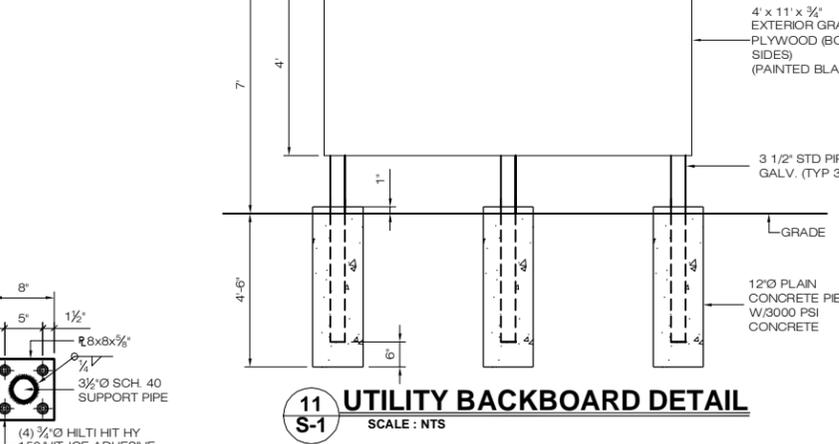
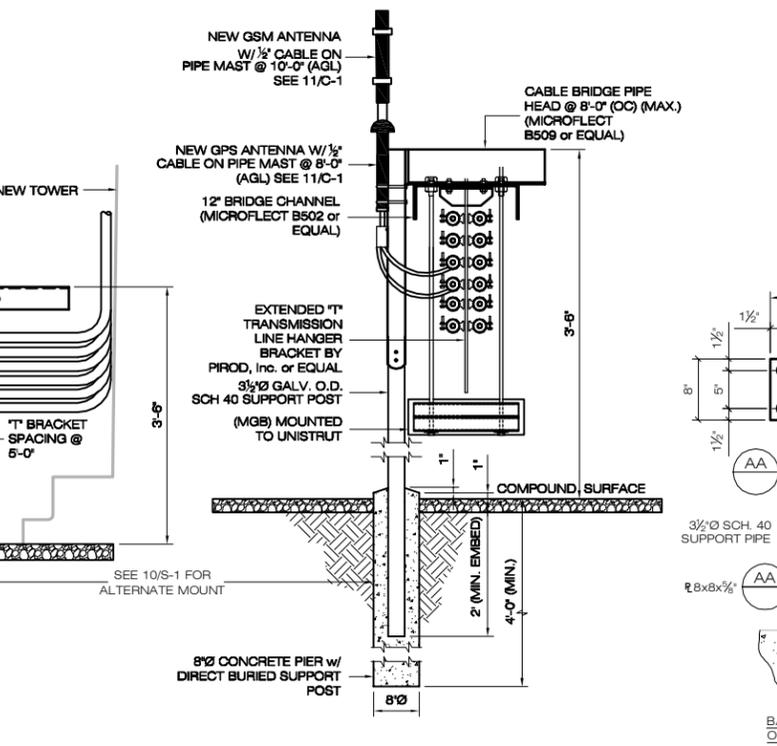
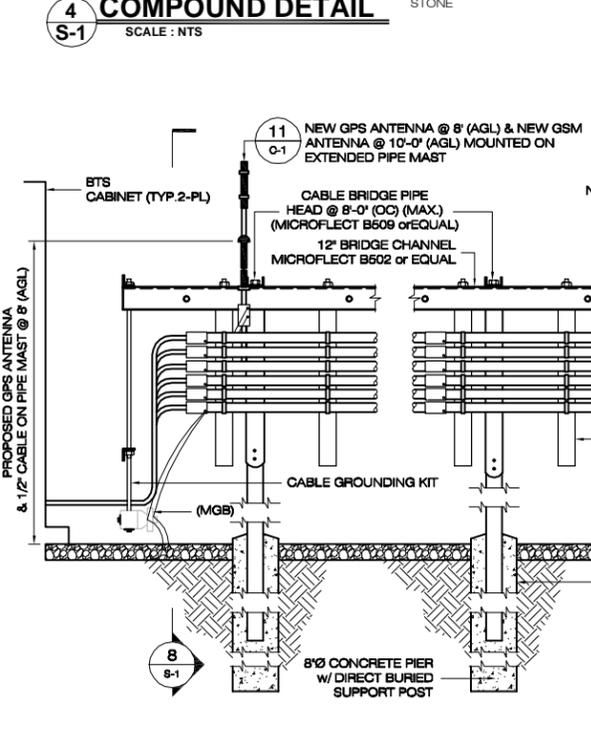
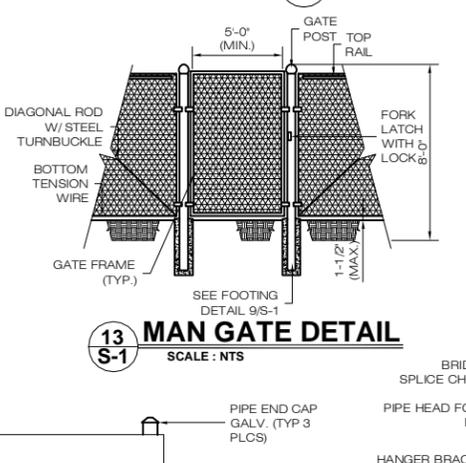
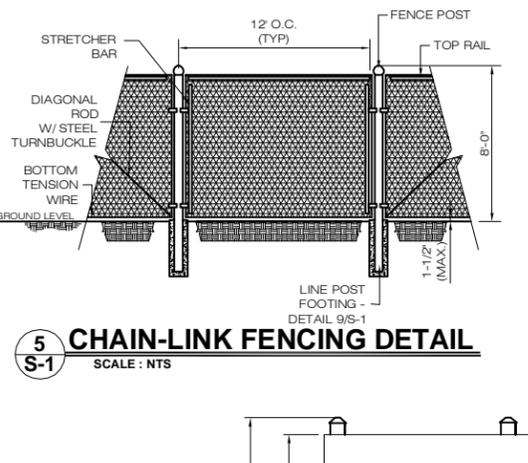
NOTES:

1. THE CLEAN FILL SHALL PASS THROUGH A 3/8" MESH SCREEN AND SHALL NOT CONTAIN SHARP STONES. OTHER BACKFILL SHALL NOT CONTAIN ASHES, CINDERS, SHELLS, FROZEN MATERIAL, LOOSE DERBIES OR STONES LARGER THAN 2" IN MAXIMUM DIMENSION. WHERE EXISTING UTILITIES ARE LIKELY TO BE ENCOUNTERED.
2. CONTRACTOR SHALL HAND DIG AND PROTECT EXISTING UTILITIES.
3. EXISTING PAVEMENT SHALL BE SAW-CUT PRIOR TO TRENCH EXCAVATION.



NOTES:

1. CONCRETE SHALL BE Fc = 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.



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

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

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

BAY COMMUNICATIONS SITE NUMBER: CT009 APT FILING NUMBER: CT-265-140 391 OAKLAND STREET MANSFIELD, MA 02048 (774) 719-2146	DEVELOPMENT & MANAGEMENT DOCUMENTS OLD LYME II 232 SHORE ROAD OLD LYME, CT 06371-2086		COMPOUND DETAILS	
	DESIGN TYPE: RAW LAND		APT FILING NUMBER: CT-265-140 APT DRAWING NUMBER: CT265140 A-1.DWG DRAWN BY: RCB CHECKED BY: SMC	
REVISIONS: 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 REV: SMC REV. 5:		SCALE: AS NOTED DATE: 11/01/10 SHEET NUMBER: <h1>S-1</h1>		

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



GENERAL NOTES:

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

- FALL PROTECTION,
- CONFINED SPACE ENTRY,
- ELECTRICAL SAFETY, AND
- 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 3/4" 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 3/4-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 3/4-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)
3/4"	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 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 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 CONFORMANCE 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 UNSPOOLED, 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 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.

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.

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BAY COMMUNICATIONS SITE NUMBER: CT0009	DEVELOPMENT & MANAGEMENT DOCUMENTS	NOTES & SPECIFICATIONS
APT FILING NUMBER: CT-265-140	OLD LYME II 232 SHORE ROAD OLD LYME, CT 06371-2086	
	DESIGN TYPE:	APT FILING NUMBER: CT-265-140
391 OAKLAND STREET MANSFIELD, MA 02048 (774) 719-2146	RAW LAND	APT DRAWING NUMBER: CT265140 N-1.DWG
	REVISIONS:	DRAWN BY: RCB
3 SADDLEBROOK DRIVE KILLINGWORTH, CT 06419 WWW.ALLPOINTSTECH.COM	REV.0: 03/25/11: FOR REVIEW: SMC	CHECKED BY: SMC
PHONE: (860)-663-1697 FAX: (860)-663-0935	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
	REV.3: 07/19/11: LANDSCAPING REVISIONS: SMC	SHEET NUMBER:
	REV.4: 08/12/13: REBRAND & UTILITY REV:s: SMC	N-1
	REV.5:	

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 GRASSSED 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.