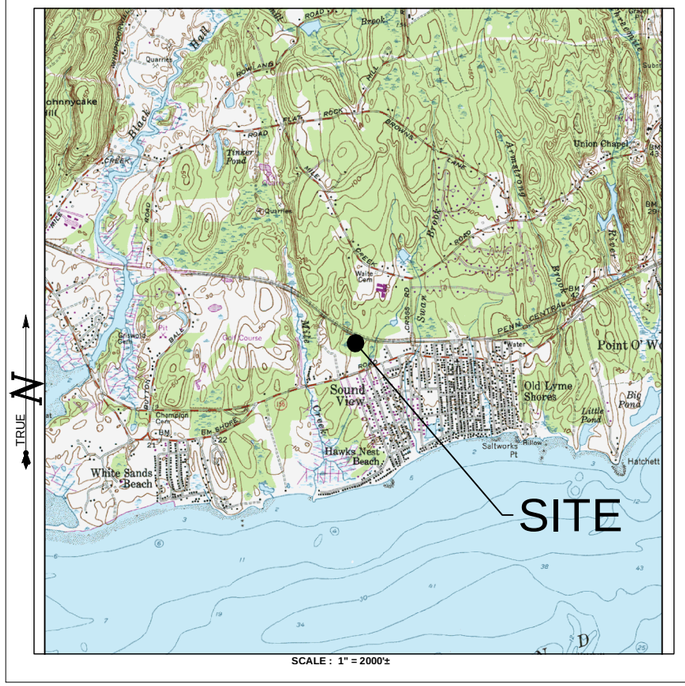
LOCATION MAP

SCALE : NTS

USGS TOPOGRAPHIC MAP



SCALE : 1" = 2000'±

T-Mobile

35 GRIFFIN ROAD
BLOOMFIELD, CT 06002

OFFICE: (860)-692-7100
FAX: (860)-692-7159

DEVELOPMENT & MANAGEMENT PLAN
DRAWING INDEX

*SITE INFORMATION:

-SITE NAME:	SOUTH SHORE LANDING
-SITE ID NUMBER:	CTNL803
-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

ALL-POINTS TECHNOLOGY CORPORATION, P.C.
3 SADDLEBROOK DRIVE
KILLINGWORTH, CT. 06419
PHONE: (860)-663-1697
FAX: (860)-663-0935
www.allpointstech.com

CONTACT PERSONNEL

APPLICANT:
T-MOBILE NORTHEAST LLC
35 GRIFFIN ROAD
BLOOMFIELD, CT 06002

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

T-MOBILE PROJECT MANAGER:
PAUL SAENZ (914) 447-3581

T-MOBILE PROJECT ATTORNEY:
JULIE D. KOHLER, ESQ.
COHEN AND WOLF, P.C.
1115 BROAD STREET
BRIDGEPORT, CT 06604
203-337-4157

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

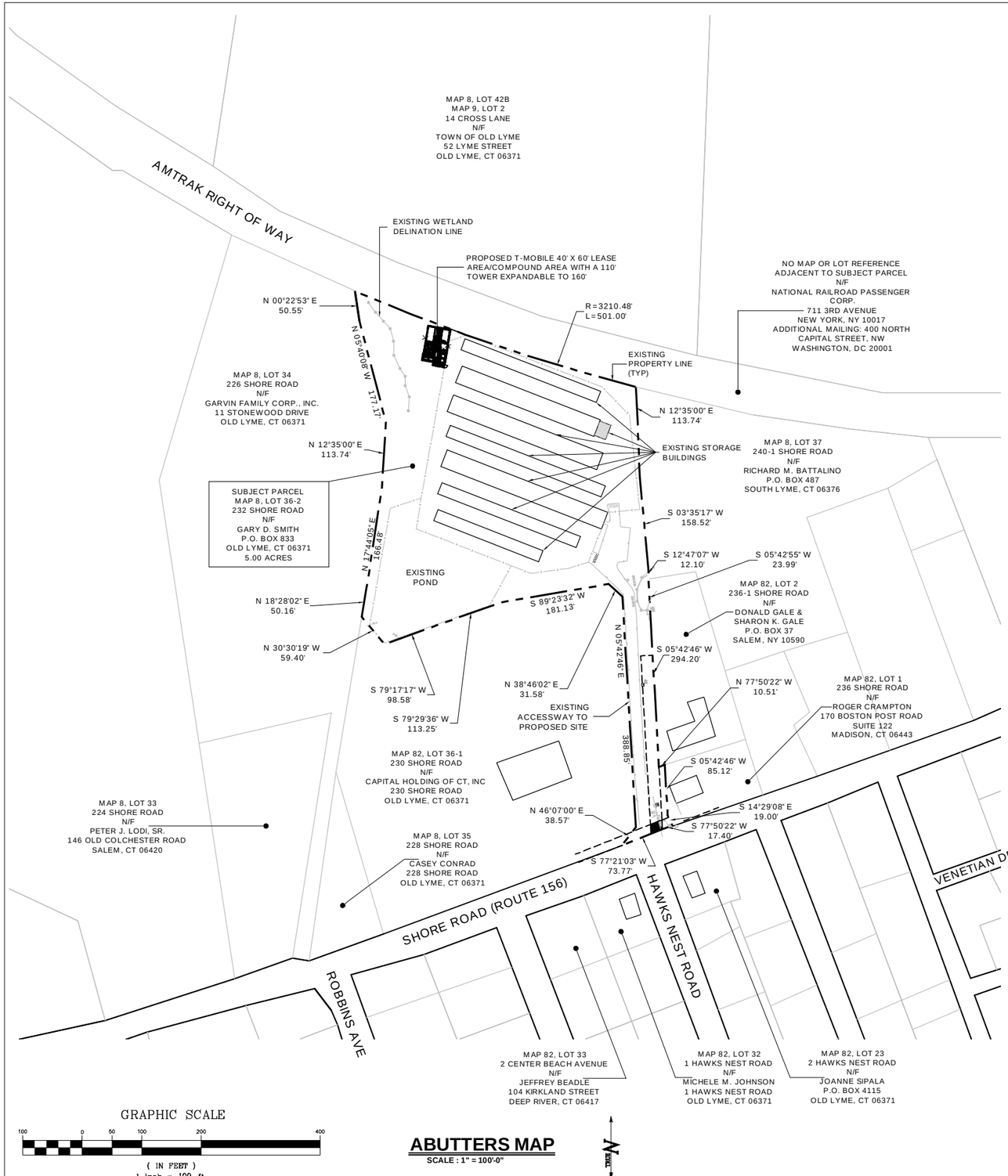
GOVERNING CODEs:
2005 CONNECTICUT BUILDING CODE (2003 IBC BASIS)
NATIONAL ELECTRIC CODE
EIA/TIA 222F
2002 CONNECTICUT GUIDELINES FOR SOIL EROSION & SEDIMENT CONTROL

SITE INFORMATION

CTNL803
SOUTH SHORE LANDING
232 SHORE ROAD
OLD LYME, CT 06371-2086

DEVELOPMENT & MANAGEMENT DOCUMENTS **SOUTH SHORE LANDING** **232 SHORE ROAD** **OLD LYME, CT 06371-2086**	**TITLE SHEET AND INDEX**
DESIGN TYPE: **RAW LAND**	APT FILING NUMBER: CT-255T-330 APT DRAWING NUMBER: CTNL803 A-1.DWG
	DRAWN BY: RCB / SCALE: AS NOTED CHECKED BY: SMC / 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: REV.4:	SHEET NUMBER: **T-1**

SCOTT M. CHASE
No.19728
LICENSED PROFESSIONAL ENGINEER
STATE OF CONNECTICUT



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

T-MOBILE SITE NUMBER:
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DEVELOPMENT & MANAGEMENT DOCUMENTS

SOUTH SHORE LANDING
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:
REV.4:

ABUTTERS MAP & CONSTRUCTION SEQUENCE

APT FILING NUMBER: CT-255T-330
APT DRAWING NUMBER: CTNL803
DRAWN BY: RCB
CHECKED BY: SMC
SCALE: AS NOTED
DATE: 11/01/10

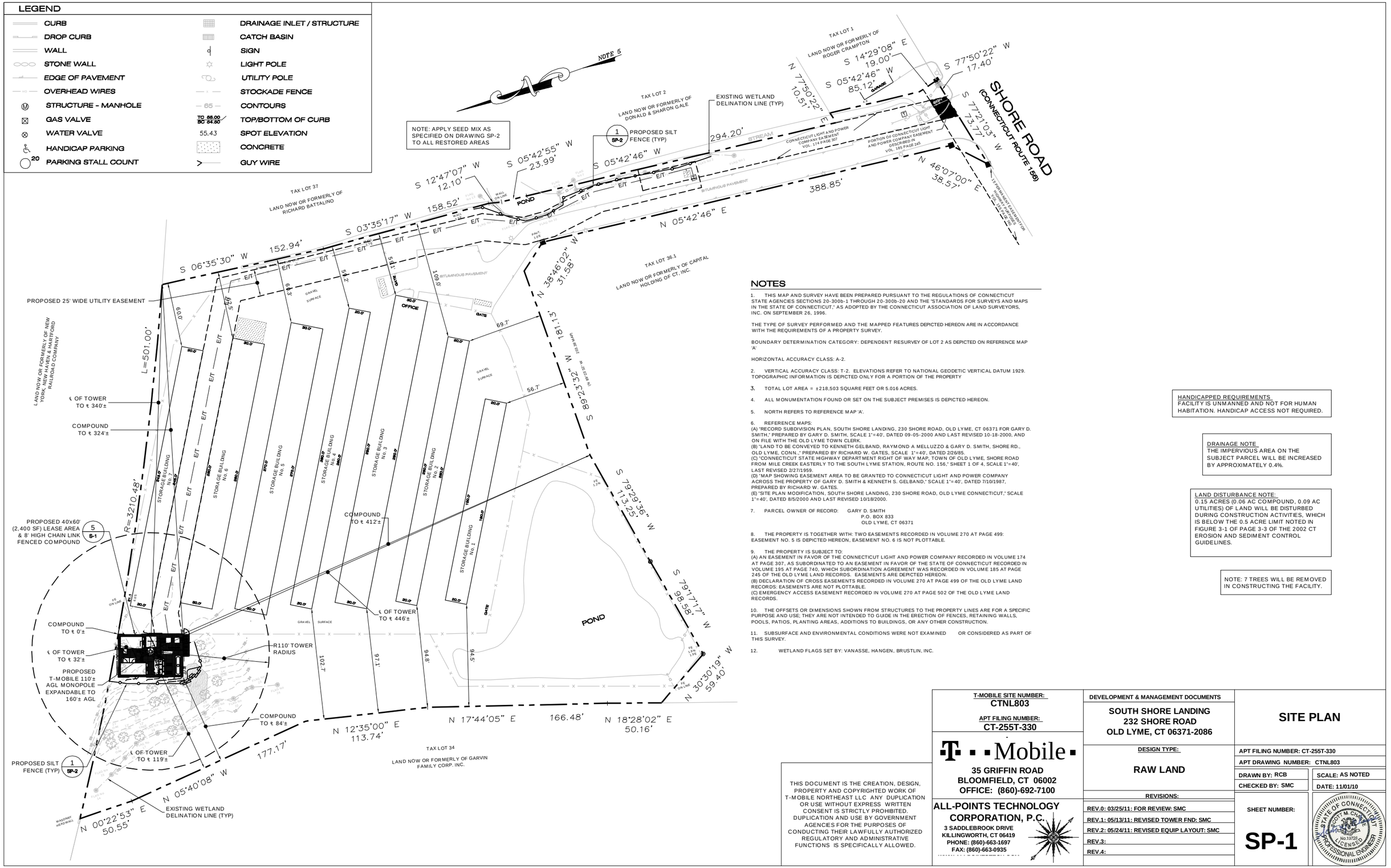
SHEET NUMBER:

R-1

STATE OF CONNECTICUT
SCOTT M. CHASE
No.19725
LICENSED PROFESSIONAL ENGINEER

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

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

THE TYPE OF SURVEY PERFORMED AND THE MAPPED FEATURES DEPICTED HEREON ARE IN ACCORDANCE WITH THE REQUIREMENTS OF A PROPERTY SURVEY.

BOUNDARY DETERMINATION CATEGORY: DEPENDENT RESURVEY OF LOT 2 AS DEPICTED ON REFERENCE MAP 'A'

HORIZONTAL ACCURACY CLASS: A-2.

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

3. TOTAL LOT AREA = ±218,503 SQUARE FEET OR 5.016 ACRES.

4. ALL MONUMENTATION FOUND OR SET ON THE SUBJECT PREMISES IS DEPICTED HEREON.

5. NORTH REFERS TO REFERENCE MAP 'A'.

6. 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.

7. PARCEL OWNER OF RECORD: GARY D. SMITH
P.O. BOX 833
OLD LYME, CT 06371

8. 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.

9. 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 CONNECTCUT RECORDED IN VOLUME 195 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.

10. 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.

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

12. 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.

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CTNL803
APT FILING NUMBER:
CT-255T-330
T-Mobile
35 GRIFFIN ROAD
BLOOMFIELD, CT 06002
OFFICE: (860)-692-7100
ALL-POINTS TECHNOLOGY CORPORATION, P.C.
3 SADDLEBROOK DRIVE
KILLINGWORTH, CT 06419
PHONE: (860)-663-1697
FAX: (860)-663-0935

DEVELOPMENT & MANAGEMENT DOCUMENTS

SOUTH SHORE LANDING
232 SHORE ROAD
OLD LYME, CT 06371-2086

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RAW LAND

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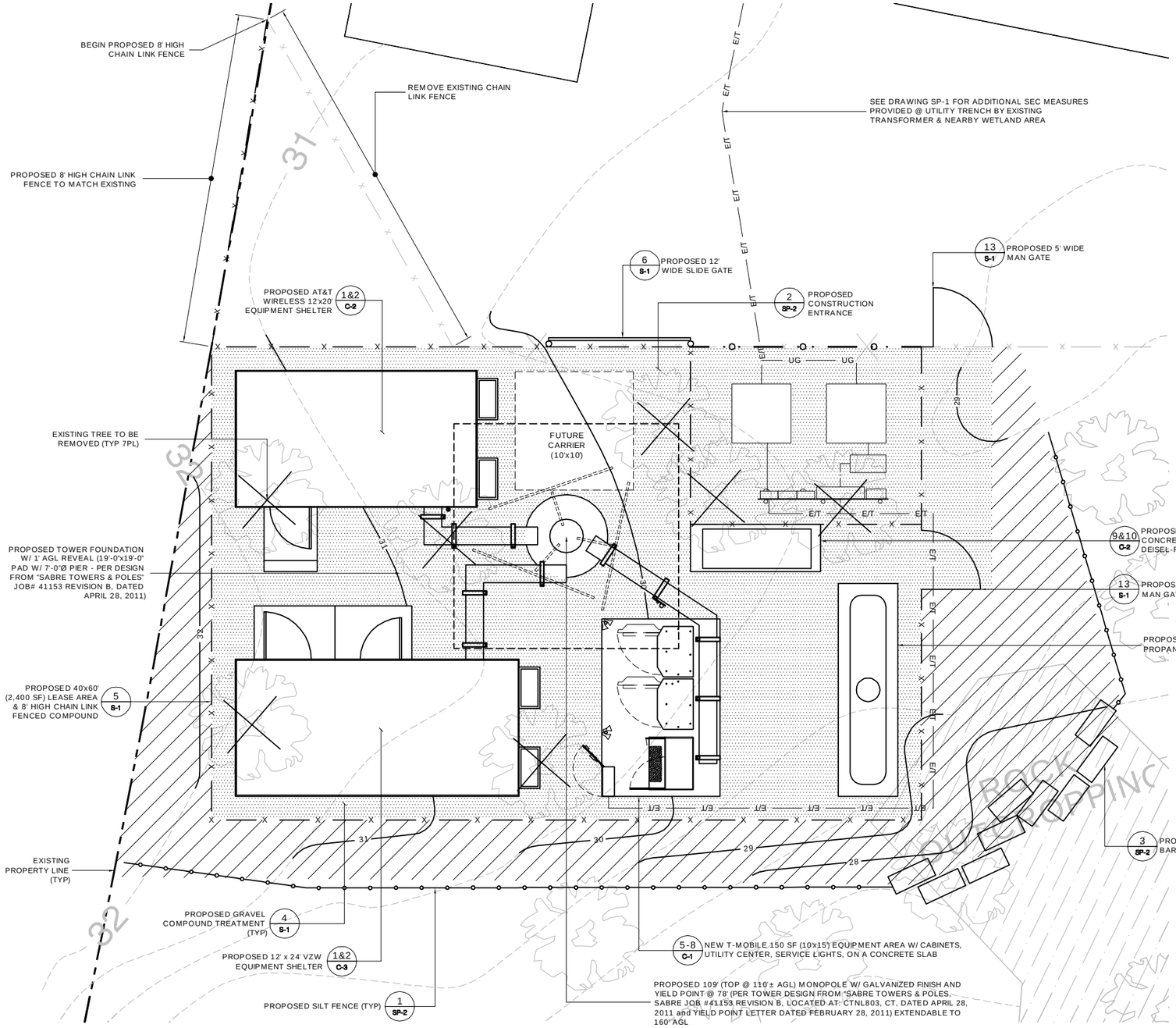
REV.1: 05/13/11: REVISED TOWER FND: SMC
REV.2: 05/24/11: REVISED EQUIP LAYOUT: SMC
REV.3:
REV.4:

SITE PLAN

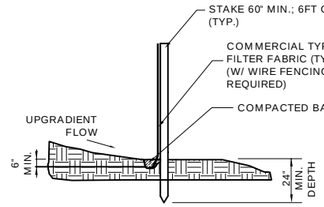
APT FILING NUMBER: CT-255T-330
APT DRAWING NUMBER: CTNL803
DRAWN BY: RCB
CHECKED BY: SMC
SCALE: AS NOTED
DATE: 11/01/10

SHEET NUMBER:
SP-1

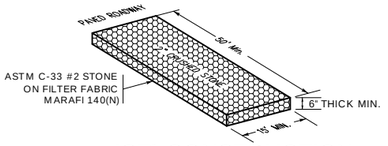
STATE OF CONNECTICUT SCOTT M. CHAMPLIN No.19725 LICENSED PROFESSIONAL ENGINEER



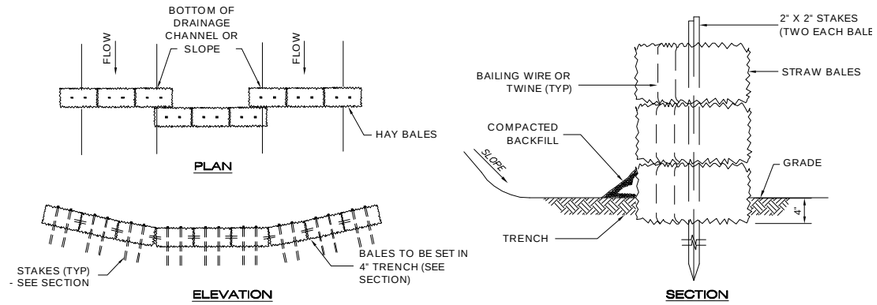
PARTIAL SITE PLAN
SCALE : 1" = 5'-0"



1 SP-2 (GSF) GEOTEXTILE SILT FENCE DETAIL
SCALE : NTS



2 SP-2 (CE) CONSTRUCTION ENTRANCE DETAIL
SCALE : NTS



3 SP-2 HAY BALE BARRIER
SCALE : NTS

SEED MIX

ANY EXPOSED SOIL AREAS ASSOCIATED WITH THE WIRELESS TELECOMMUNICATIONS FACILITY, ACCESS ROAD AND STORMWATER MANAGEMENT AREAS SHALL BE SOWN WITH NEW ENGLAND EROSION CONSERVATION/WILDLIFE MIX SUPPLIED BY NEW ENGLAND WETLAND PLANTS, INC. (413.548.8000) OR APPROPRIATE SUBSTITUTE. THE NEW ENGLAND CONSERVATION/WILDLIFE MIX PROVIDES A PERMANENT COVER OF GRASSES, FORBS, WILDFLOWERS, LEGUMES AND GRASSES TO PROVIDE BOTH GOOD EROSION CONTROL AND WILDLIFE HABITAT VALUE AND INCLUDES THE FOLLOWING SPECIES: BIG BLUESTEM (ANDROPOGON GERARDII), SWITCHGRASS (PANICUM VIRGATUM), LITTLE BLUESTEM (SCHIZACHYRIUM SCOPARIUM), VIRGINIA WILD RYE (ELYMUS 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 LACINIATA), EARLY GOLDENROD (SOLIDAGO JUNCEA), INDIAN GRASS (SORGHASTRUM NUTANS). THE SEED MIX WILL BE APPLIED AT A RATE OF 1LB/1,500 SQUARE FEET. SOIL CONDITIONING ACTIVITIES, INCLUDING RAKING, WILL BE COMBINED WITH THE SEED APPLICATION PROCESS.

T-MOBILE SITE NUMBER: CTNL803

APT FILING NUMBER: CT-255T-330

T-Mobile
35 GRIFFIN ROAD
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ALL-POINTS TECHNOLOGY CORPORATION, P.C.
3 SADDLEBROOK DRIVE
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FAX: (860)-663-0935

DEVELOPMENT & MANAGEMENT DOCUMENTS

SOUTH SHORE LANDING
232 SHORE ROAD
OLD LYME, CT 06371-2086

DESIGN TYPE:

RAW LAND

REVISIONS:

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REV.3:
REV.4:

GRADING & EROSION CONTROL PLAN

APT FILING NUMBER: CT-255T-330
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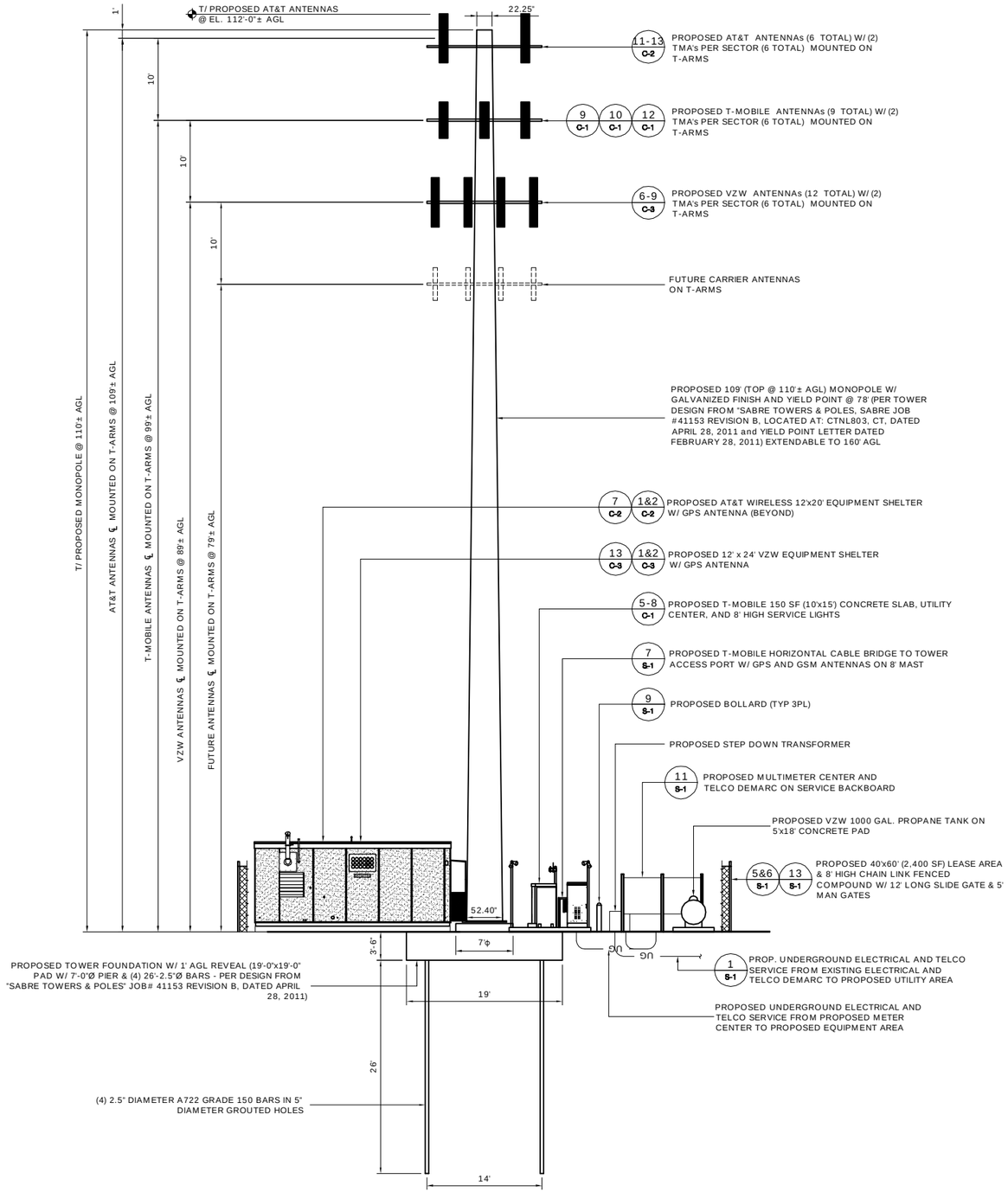
DRAWN BY: RCB
CHECKED BY: SMC
SCALE: AS NOTED
DATE: 11/01/10

SHEET NUMBER:

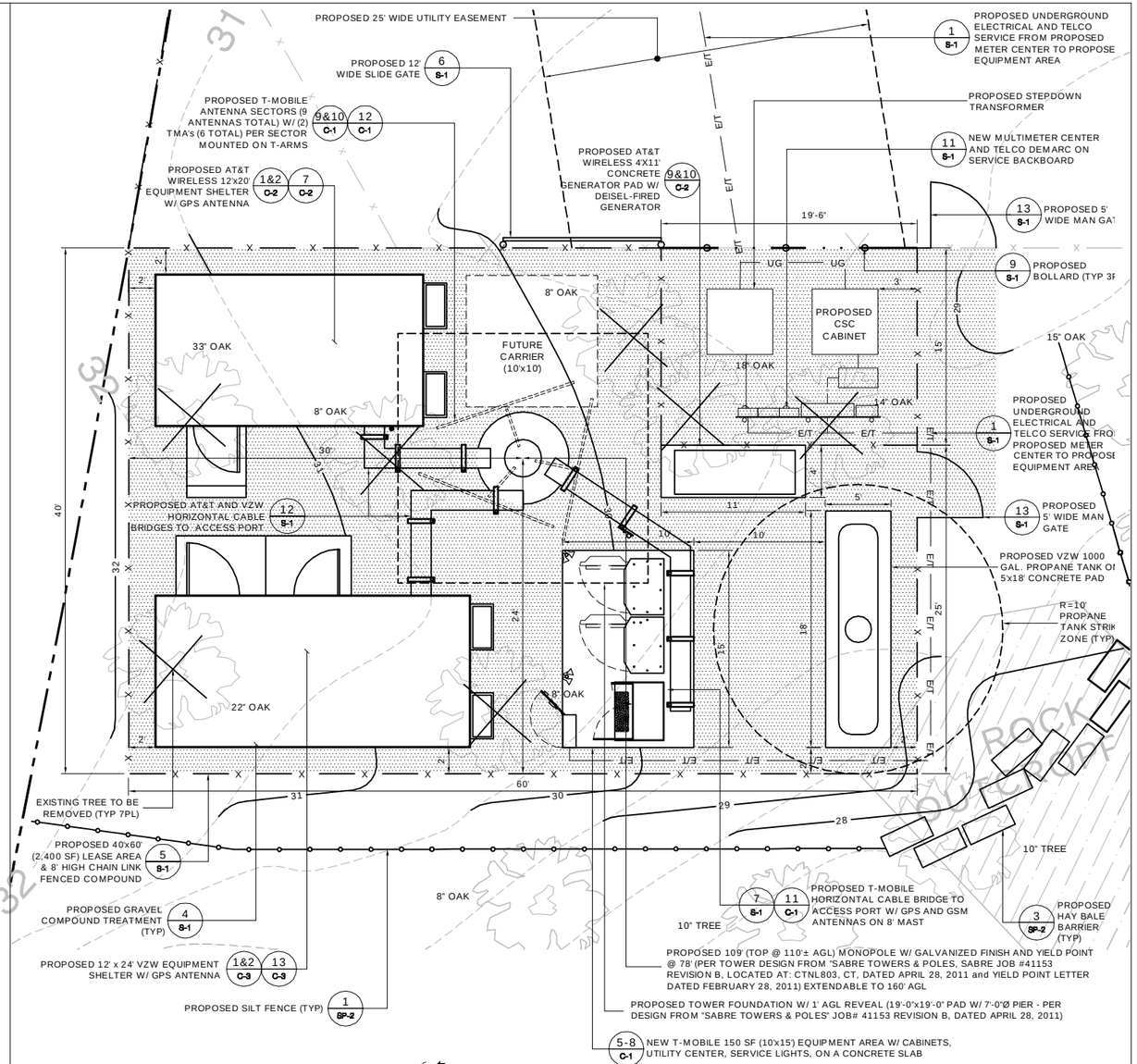
SP-2

SCOTT M. CHASE No. 19728 LICENSED PROFESSIONAL ENGINEER STATE OF CONNECTICUT



WESTERN ELEVATION

SCALE : 1/8" = 1'-0"



COMPOUND PLAN

SCALE : ⅛" = 1'-0"

GRAPHIC SCALE

8 0 4 8 16 32

(IN FEET)
1/8 inch = 1ft.

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DEVELOPMENT & MANAGEMENT DOCUMENTS

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REV.3:
REV.4:

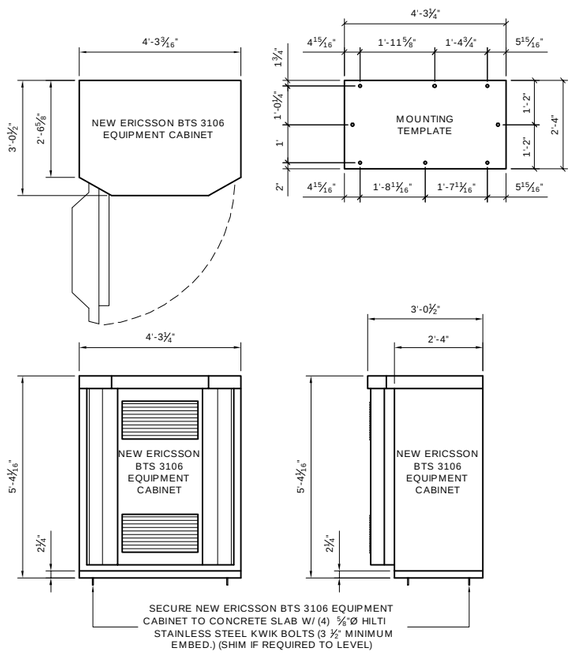
COMPOUND PLAN & TOWER ELEVATION

APT FILING NUMBER: CT-255T-330
APT DRAWING NUMBER: CTNL803 A-1.DWG
DRAWN BY: RCB
CHECKED BY: SMC
SCALE: AS NOTED
DATE: 11/01/10

SHEET NUMBER:

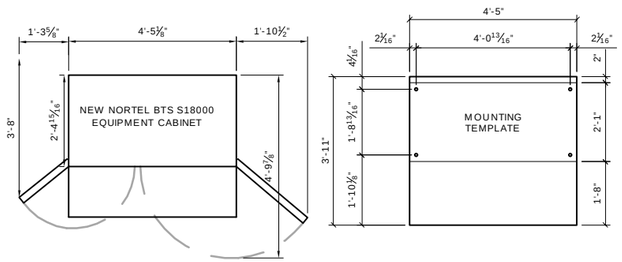
A-1

STATE OF CONNECTICUT SCOTT M. CHASE No.19728 LICENSED PROFESSIONAL ENGINEER



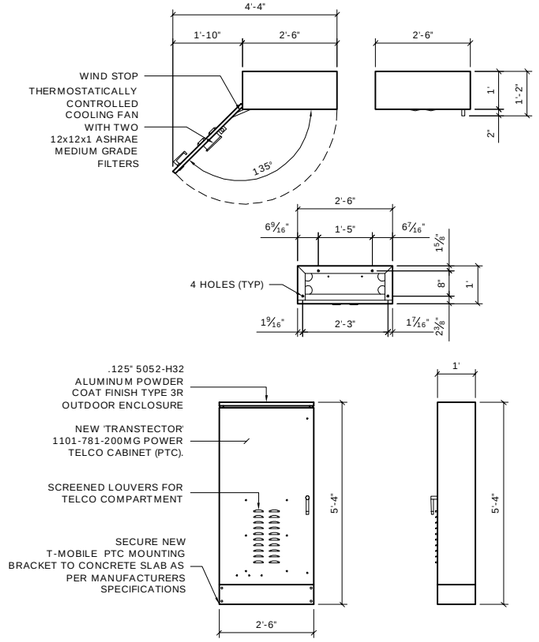
1 C-1 ERICSSON RBS 3106 EQUIPMENT CABINET

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



2 C-1 NORTEL BTS S18000 EQUIPMENT CABINET

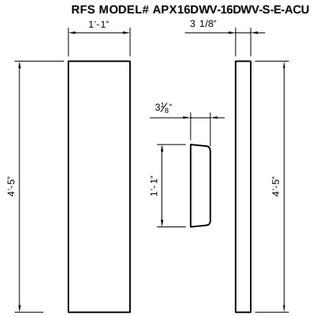
SCALE : 1/2" = 1'-0"



3 C-1 TRANSTECTOR PTC CABINET

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

RFS MODEL# APX16DWV-16DWV-S-E-ACU



CCI PCS FULL BAND DUAL TMAs

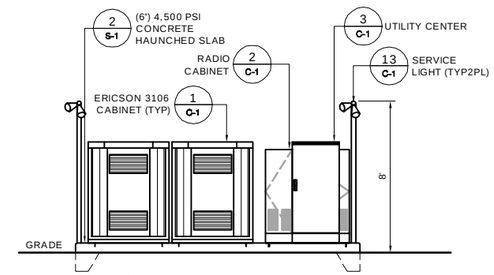
12 C-1 TYPICAL PANEL ANTENNA & TMA

SCALE : NTS

DESIGN LOAD CRITERIA

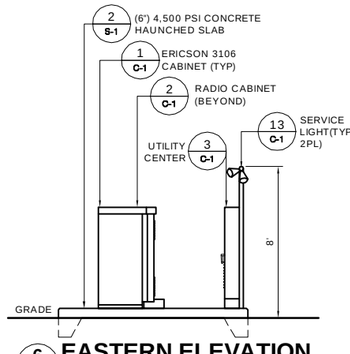
EQUIPMENT SHELTER SHALL BE DESIGNED AND MANUFACTURED TO MEET ALL STATE AND LOCAL CODES. ITS LAYOUT SHALL BE COORDINATED WITH CARRIERS.

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



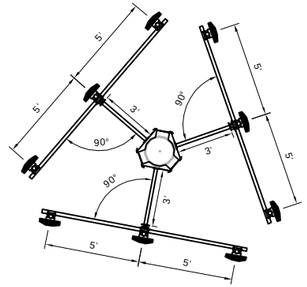
5 C-1 NORTHERN ELEVATION

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



6 C-1 EASTERN ELEVATION

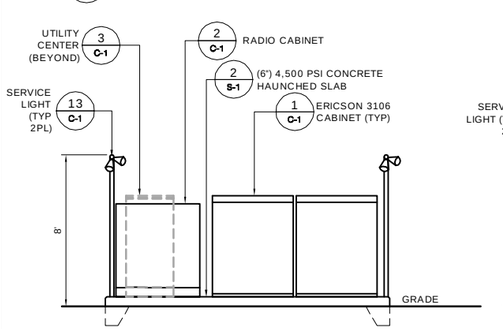
SCALE : 1/4" = 1'-0"



10 C-1 ANTENNA PLAN

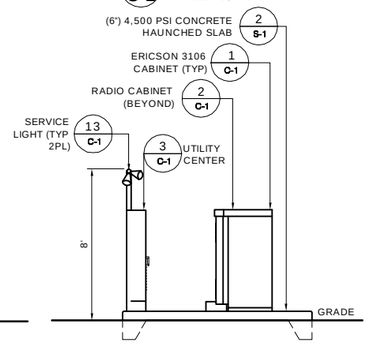
SCALE : 1/4" = 1'-0"

NORTH



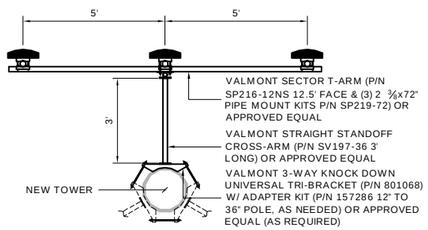
7 C-1 SOUTHERN ELEVATION

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



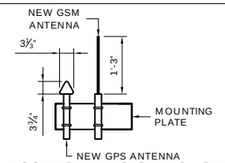
8 C-1 WESTERN ELEVATION

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



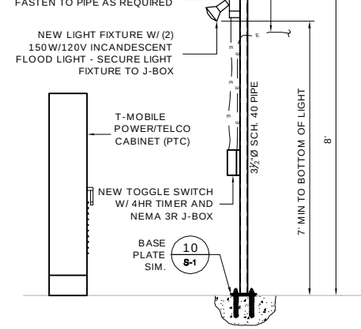
9 C-1 ANTENNA MOUNT

SCALE : 3/8" = 1'-0"



11 C-1 TYPICAL GSM & GPS ANTENNA DETAILS

SCALE : NTS



13 C-1 SERVICE LIGHT

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

T-MOBILE SITE NUMBER: CTNL803

APT FILING NUMBER: CT-255T-330

T-Mobile
35 GRIFFIN ROAD
BLOOMFIELD, CT 06002
OFFICE: (860)-692-7100

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

DEVELOPMENT & MANAGEMENT DOCUMENTS

SOUTH SHORE LANDING
232 SHORE ROAD
OLD LYME, CT 06371-2086

DESIGN TYPE:

RAW LAND

REVISIONS:

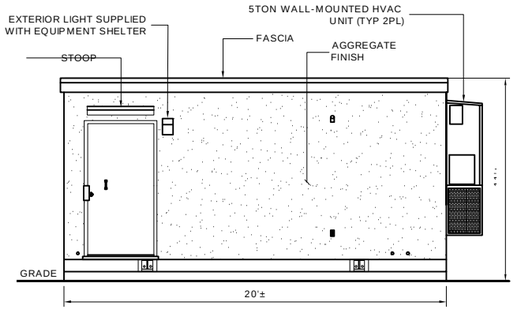
REV.0: 03/25/11: FOR REVIEW: SMC
REV.1: 05/13/11: REVISED TOWER FND: SMC
REV.2: 05/24/11: REVISED EQUIP LAYOUT: SMC
REV.3:
REV.4:

T-MOBILE EQUIPMENT PLAN & DETAILS

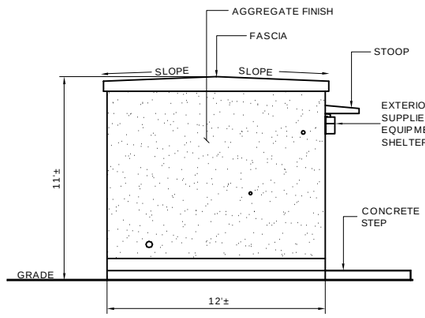
APT FILING NUMBER: CT-255T-330
APT DRAWING NUMBER: CTNL803 C-1.DWG
DRAWN BY: AAJ
CHECKED BY: SMC
SCALE: AS NOTED
DATE: 11/01/10

SHEET NUMBER: **C-1**

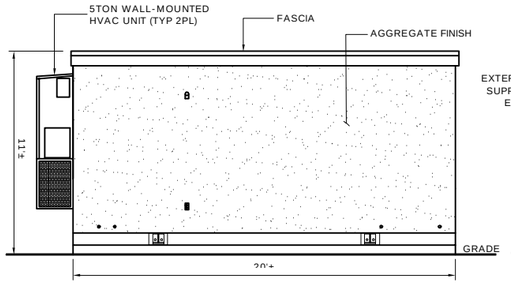
STATE OF CONNECTICUT SCOTT M. CRAIG No.19725 LICENSED PROFESSIONAL ENGINEER



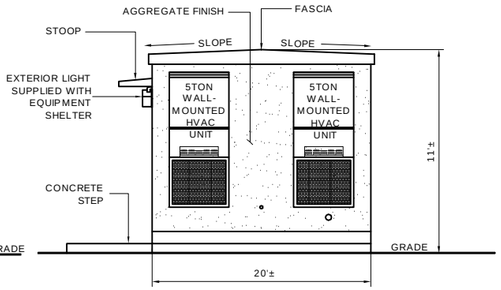
WESTERN ELEVATION



NORTHERN ELEVATION

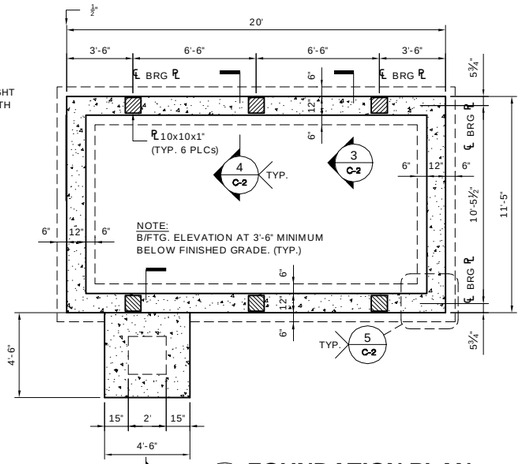


EASTERN ELEVATION

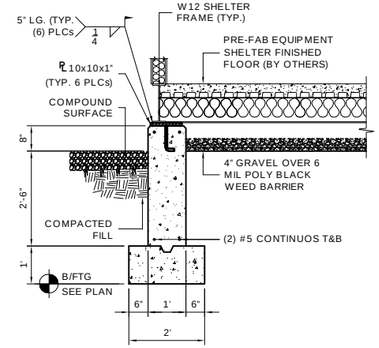


SOUTHERN ELEVATION

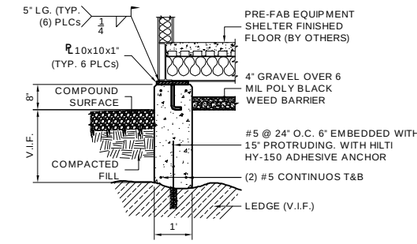
1 C-2 12' X 20' EQUIPMENT SHELTER
SCALE : 1/4" = 1'-0"



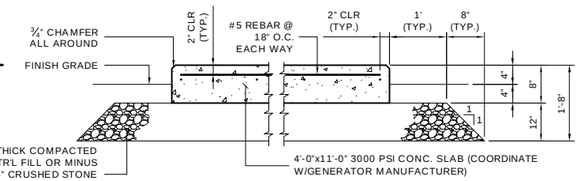
2 C-2 FOUNDATION PLAN
SCALE : 1/4" = 1'-0"



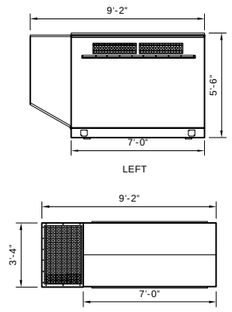
3 C-2 FOUNDATION SECTION
SCALE : 1/2" = 1'-0"



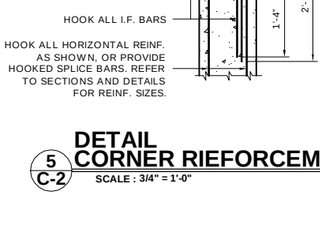
4 C-2 FOUNDATION OVER LEDGE OR TOWER FOUNDATION
SCALE : 1/2" = 1'-0"



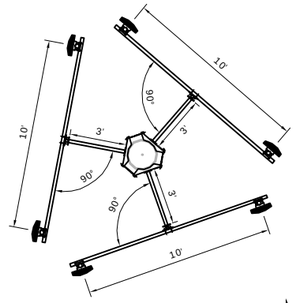
9 C-2 GENERATOR PAD DETAIL
SCALE : NTS



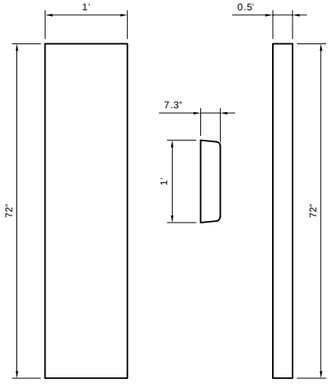
10 C-2 TYP. DIESEL GENERATOR SCHEMATICS
SCALE : 1/4" = 1'-0"

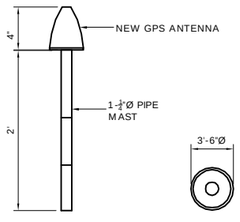


5 C-2 DETAIL CORNER RIEFORCEMENT
SCALE : 3/4" = 1'-0"



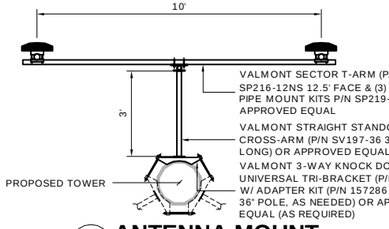
11 C-2 ANTENNA PLAN
SCALE : ¼" = 1'-0"



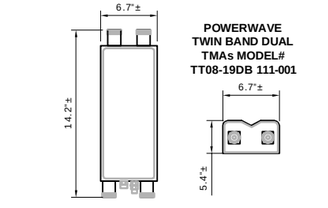


FOR MOUNT - SEE 8/C-2

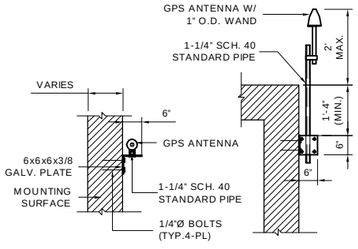
7 C-2 TYPICAL GPS DETAILS
SCALE : NTS



12 C-2 ANTENNA MOUNT
SCALE : ⅜" = 1'-0"



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

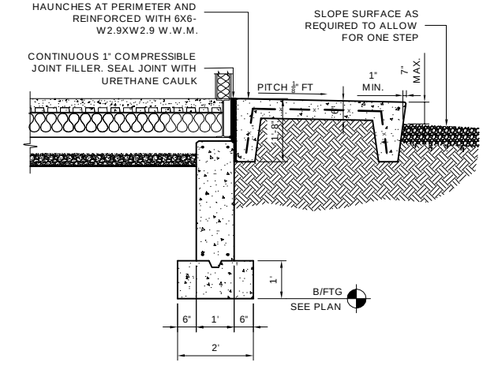


8 C-2 TYPICAL GPS MOUNTING DETAIL
SCALE : NTS

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
GOVERNING CODE	BUILDING CODE
DESIGN LIVE LOADS	40 PSF (ASCE 7-02)
IMPORTANCE CATEGORY	II
SNOW LOAD:	
GROUND SNOW LOAD (Pg)	30 PSF
IMPORTANCE FACTOR	1.0
EXPOSURE FACTOR (Ce)	0.9
THERMAL FACTOR (Ct)	1.0
WIND LOAD:	
BASIC WIND LOAD	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



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

T-MOBILE SITE NUMBER:
CTNL803

APT FILING NUMBER:
CT-255T-330

T-Mobile
35 GRIFFIN ROAD
BLOOMFIELD, CT 06002
OFFICE: (860)-692-7100

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

DEVELOPMENT & MANAGEMENT DOCUMENTS

SOUTH SHORE LANDING
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:
REV.4:

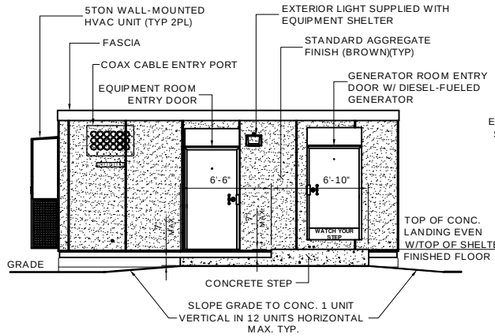
AT&T EQUIPMENT PLAN & DETAILS

APT FILING NUMBER: CT-255T-330
APT DRAWING NUMBER: CTNL803 C-2.DWG
DRAWN BY: RCB
CHECKED BY: SMC
SCALE: AS NOTED
DATE: 11/01/10

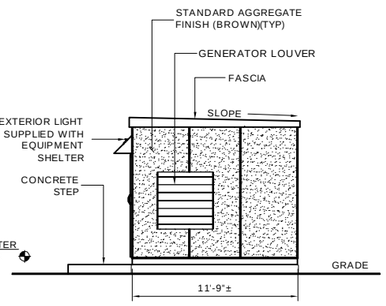
SHEET NUMBER:

C-2

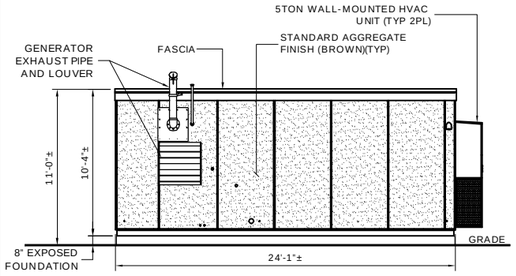
SCOTT M. CHASE — STATE OF CONNECTICUT — No.19728 — LICENSED PROFESSIONAL ENGINEER



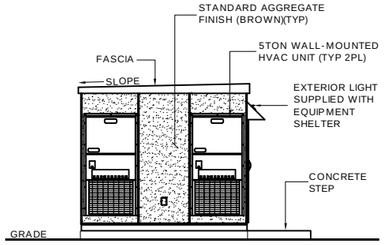
EASTERN ELEVATION



NORTHERN ELEVATION



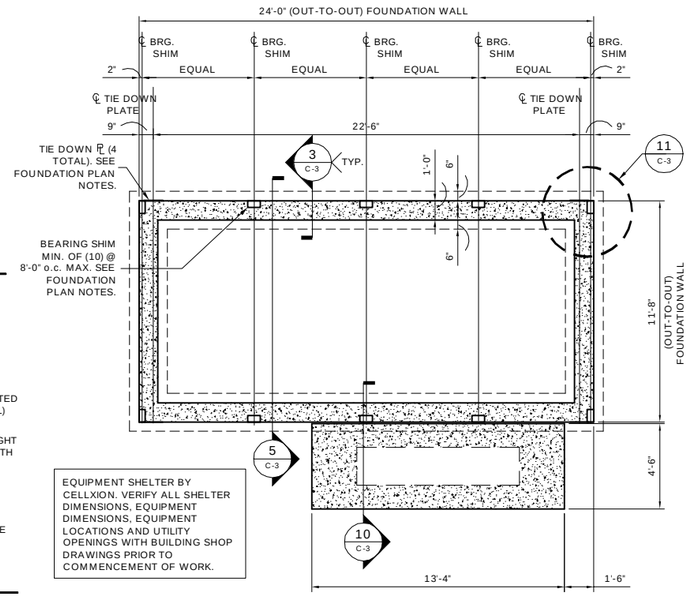
WESTERN ELEVATION



SOUTHERN ELEVATION

1 C-3 12' X 24' EQUIPMENT SHELTER

SCALE : 3/16" = 1'-0"

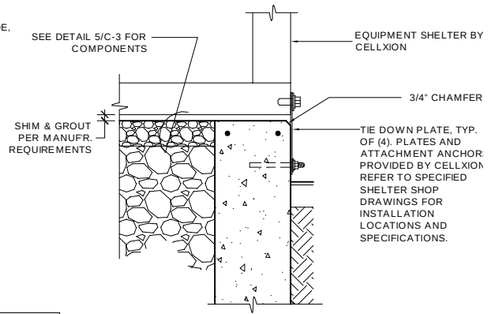


2 C-3 FOUNDATION PLAN

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.



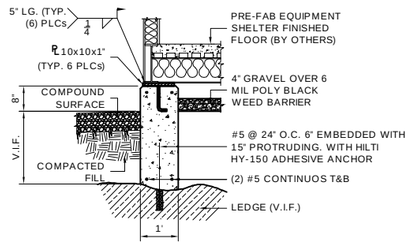
3 C-3 BUILDING TIE DOWN

SCALE : 1" = 1'-0"

DESIGN LOAD CRITERIA

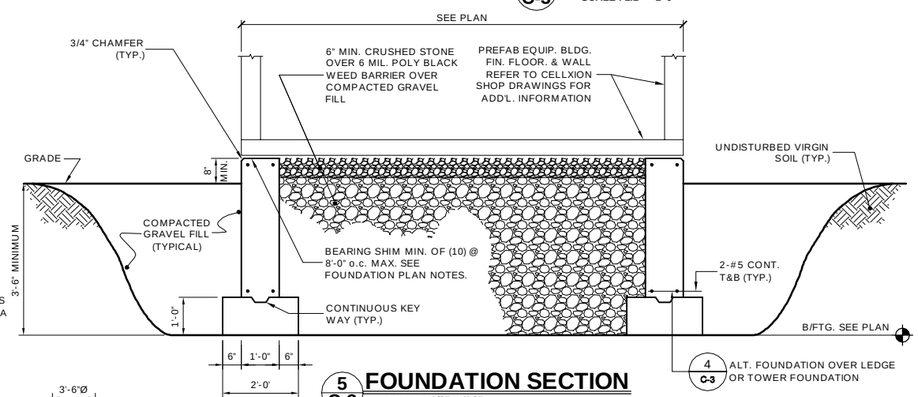
EQUIPMENT SHELTER SHALL BE DESIGNED AND MANUFACTURED TO MEET ALL STATE AND LOCAL CODES. ITS LAYOUT SHALL BE COORDINATED WITH CARRIERS.

DESIGN BASIS	CONNECTICUT STATE
GOVERNING CODE	BUILDING CODE
DESIGN LIVE LOADS	40 PSF (ASCE 7-02)
IMPORTANCE CATEGORY	II
SNOW LOAD:	
GROUND SNOW LOAD (Pg)	30 PSF
IMPORTANCE FACTOR	1.0
EXPOSURE FACTOR (Ce)	0.9
THERMAL FACTOR (Ct)	1.0
WIND LOAD:	
BASIC WIND LOAD	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



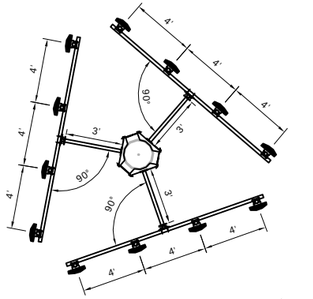
4 C-3 FOUNDATION OVER LEDGE OR TOWER FOUNDATION

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



5 C-3 FOUNDATION SECTION

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

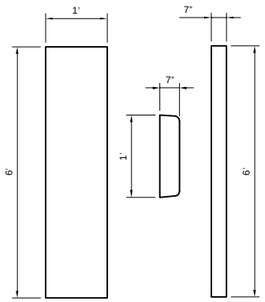


6 C-3 ANTENNA PLAN

SCALE : NTS

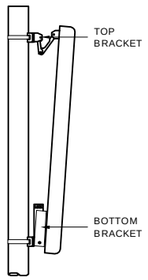
TRUE NORTH

TYPICAL PANEL ANTENNA



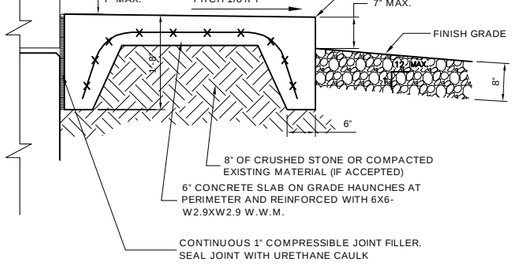
8 C-3 TYPICAL PANEL ANTENNA

SCALE : NTS



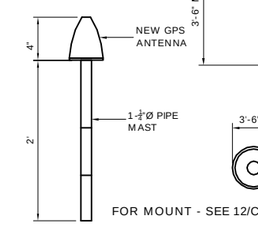
9 C-3 DOWNTILT ASSEMBLY DETAIL

SCALE : NTS



10 C-3 ENTRY STOOP DETAIL - SECTION

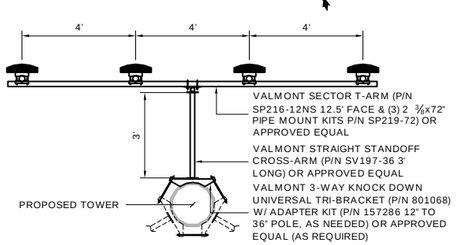
SCALE : 3/16" = 1'-0"



FOR MOUNT - SEE 12/C-3

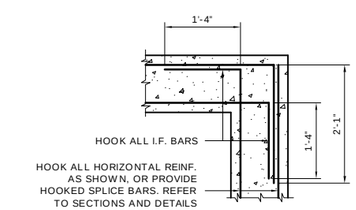
13 C-3 TYPICAL GPS DETAILS

SCALE : NTS



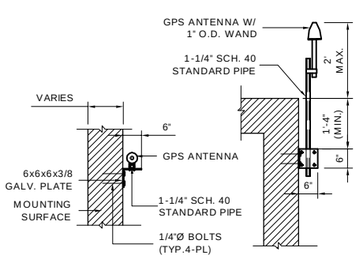
7 C-3 ANTENNA MOUNT

SCALE : ⅜" = 1'-0"



11 C-3 DETAIL CORNER RIENFORCEMENT

SCALE : 3/4" = 1'-0"



12 C-3 TYPICAL GPS MOUNTING DETAIL

SCALE : NTS

T-MOBILE SITE NUMBER: CTNL803

APT FILING NUMBER: CT-255T-330

T-Mobile

35 GRIFFIN ROAD
BLOOMFIELD, CT 06002
OFFICE: (860)-692-7100

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

DEVELOPMENT & MANAGEMENT DOCUMENTS

SOUTH SHORE LANDING
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:
REV.4:

VZW EQUIPMENT PLAN & DETAILS

APT FILING NUMBER: CT-255T-330
APT DRAWING NUMBER: CTNL803 C-3.DWG

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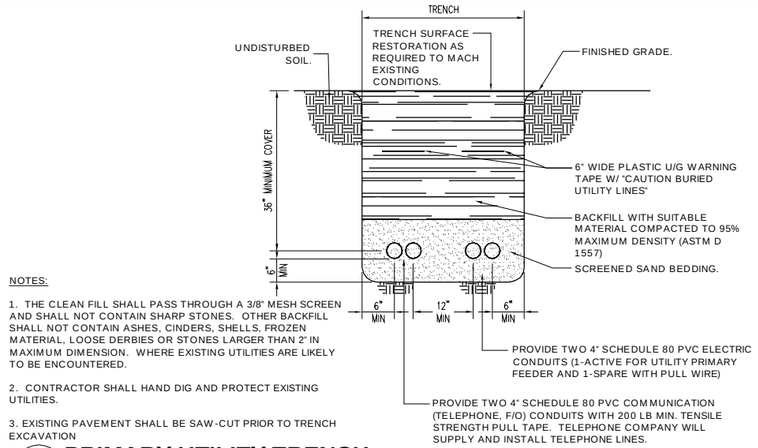
SCALE: AS NOTED
DATE: 11/01/10

SHEET NUMBER:

C-3

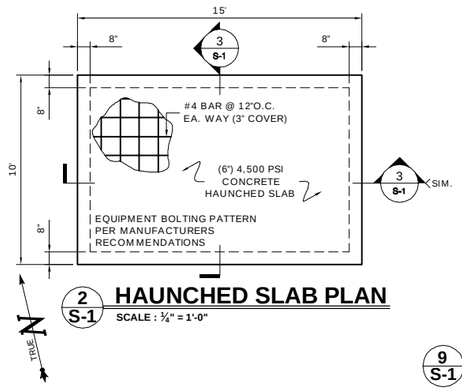
STATE OF CONNECTICUT SCOTT M. CHASE No.19728 LICENSED PROFESSIONAL ENGINEER



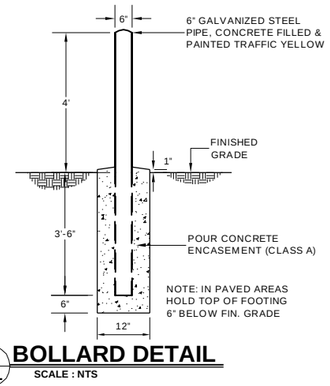
NOTES:

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

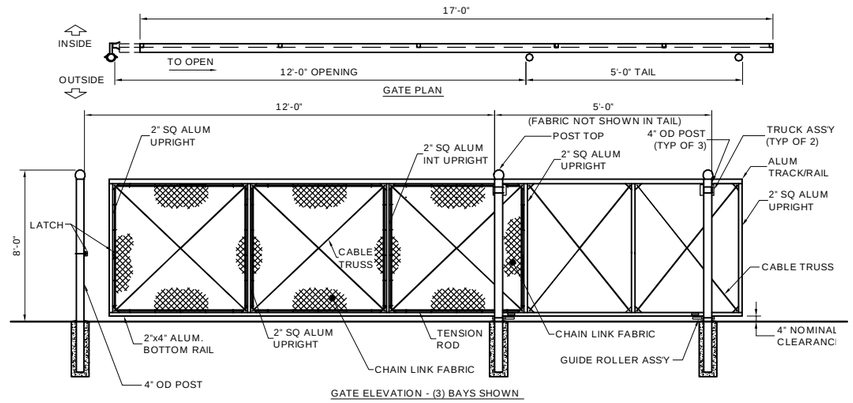
1 S-1 PRIMARY UTILITY TRENCH
SCALE : NTS



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

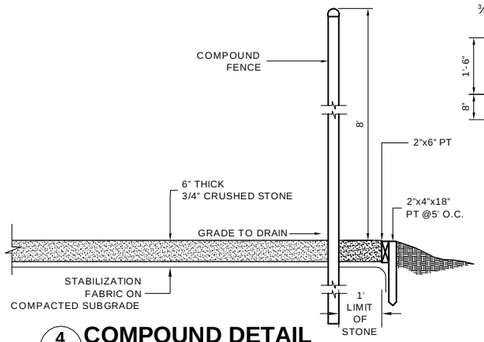


9 S-1 BOLLARD DETAIL
SCALE : NTS

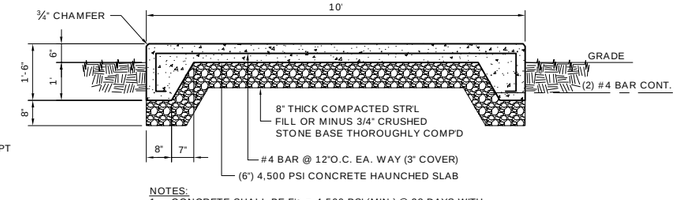


GATE ELEVATION - (3) BAYS SHOWN

6 S-1 SLIDING GATE DETAIL
SCALE : N.T.S.

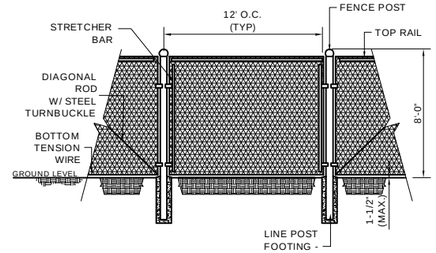


4 S-1 COMPOUND DETAIL
SCALE : NTS

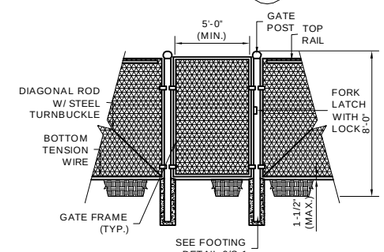


NOTES:
1. CONCRETE SHALL BE F'c = 4,500 PSI (MIN.) @ 28 DAYS WITH MAXIMUM WATER/CEMENT (W/C) RATIO = 0.45 AND AIR ENTRAINED IN ACCORDANCE WITH IBC SECTION 1904 "DURABILITY REQUIREMENTS".
2. DEFORMED REINFORCING BARS SHALL BE FABRICATED WITHOUT SPLICES. SUPPORT BAR MAT ON CONCRETE BRICK.
3. ALL INTERSECTING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

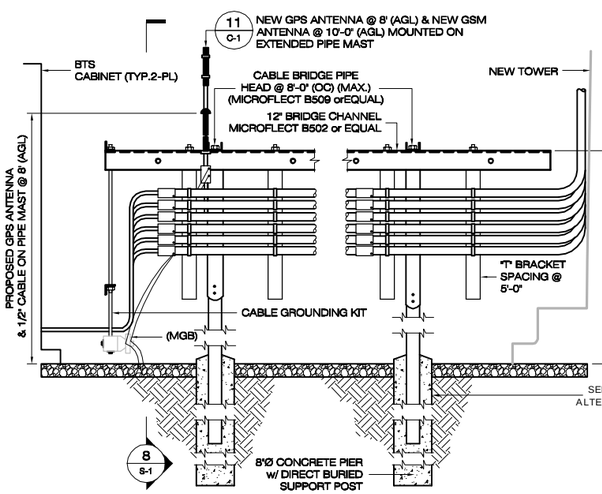
3 S-1 HAUNCHED SLAB DETAIL
SCALE : ½" = 1'-0"



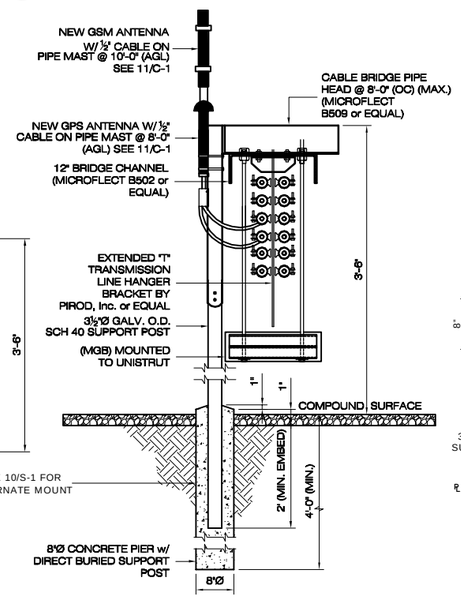
5 S-1 CHAIN-LINK FENCING DETAIL
SCALE : NTS



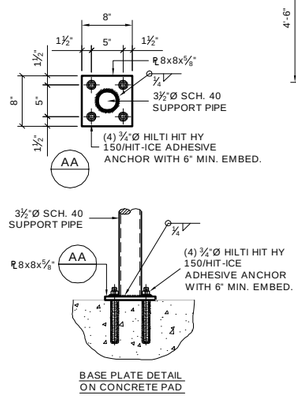
13 S-1 MAN GATE DETAIL
SCALE : NTS



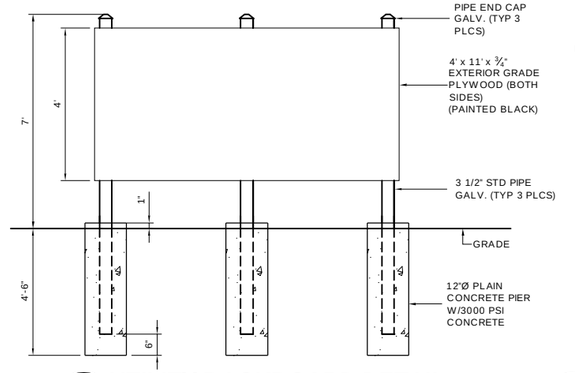
7 S-1 CABLE BRIDGE DETAIL
SCALE : N.T.S.



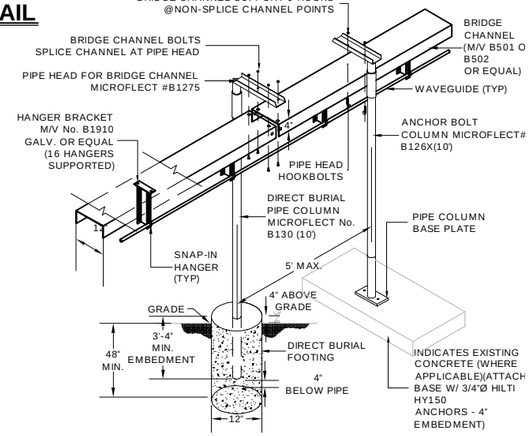
8 S-1 SECTION VIEW
SCALE : N.T.S.



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



11 S-1 UTILITY BACKBOARD DETAIL
SCALE : NTS



12 S-1 CABLE BRIDGE & COAX HANGER DETAIL
SCALE : NTS

T-MOBILE SITE NUMBER:
CTNL803

APT FILING NUMBER:
CT-255T-330

T-Mobile
35 GRIFFIN ROAD
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ALL-POINTS TECHNOLOGY CORPORATION, P.C.
3 SADDLEBROOK DRIVE
KILLINGWORTH, CT 06419
PHONE: (860)-663-1697
FAX: (860)-663-0935

DEVELOPMENT & MANAGEMENT DOCUMENTS

SOUTH SHORE LANDING
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:
REV.4:

COMPOUND DETAILS

APT FILING NUMBER: CT-255T-330
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SCALE: AS NOTED
DATE: 11/01/10

SHEET NUMBER:
S-1

STATE OF CONNECTICUT SCOTT M. CHASE No.19728 LICENSED PROFESSIONAL ENGINEER

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 MANUFACTURER'S 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

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 GUIDLINES FOR SOIL EROSION AND SEDIMENT CONTROL.

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

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

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

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

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

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

F. RUNOFF SHALL BE DIVERTED AWAY FROM CLEARED SLOPES.

G. ALL SEDIMENT SHALL BE TRAPPED ON THE SITE.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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.

SITE NOTES

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

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

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

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

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

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

7. ANY PERMITS WHICH MUST BE OBTAINED SHALL BE THE CONTRACTORS RESPONSIBILTY. 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.

T-MOBILE SITE NUMBER:
CTNL803

APT FILING NUMBER:
CT-255T-330

T-Mobile

35 GRIFFIN ROAD
BLOOMFIELD, CT 06002
OFFICE: (860)-692-7100

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

DEVELOPMENT & MANAGEMENT DOCUMENTS

SOUTH SHORE LANDING
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:
REV.4:

NOTES & SPECIFICATIONS

APT FILING NUMBER: CT-255T-330
APT DRAWING NUMBER: CTNL803 N-1.DWG
DRAWN BY: RCB
CHECKED BY: SMC
SCALE: AS NOTED
DATE: 11/01/10

SHEET NUMBER:

N-1