

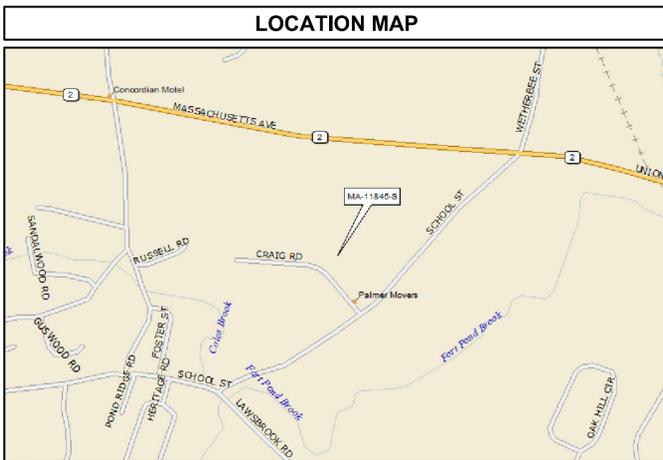
PROJECT SUMMARY		
SITE NAME:	ACTON 2	
SITE I.D.:	MA-11845-S	
SITE ADDRESS:	5 CRAIG ROAD ACTON, MA 01720	
JURISDICTION:	TOWN OF ACTON	
COUNTY:	MIDDLESEX	
ZONING:	LIGHT INDUSTRIAL, LI	
PROPERTY OWNER:	PALMER REALTY TRUST CRAIG D. PALMER & LEONARD PALMER	
APPLICANT:	SBA TOWERS II, LLC. 5900 BROKEN SOUND PARKWAY NW BOCA RATON, FL 33487 OFFICE: (561) 226-9332	
SITE COORDINATES		
LATITUDE:	N 42° 28' 02.7"	NAD 83
LONGITUDE:	W 71° 25' 07.8"	NAD 83
GROUND ELEVATION:	142.3 AMSL	NAVD 88
	142.55 AMSL	NGVD 29
OCCUPANCY TYPE:	RAW LAND	
CONSTRUCTION TYPE:	PROPOSED 110' MONOPINE TOWER	
DRIVING DIRECTIONS:	FROM BOSTON, MA: TAKE I-90 WEST ABOUT 10 MILES TO EXIT 15. MERGE ONTO I-95 NORTH AND GO 6.2 MILES TO EXIT 29B. MERGE ONTO MA-2 WEST AND GO 4 MILES. TURN LEFT ONTO MA-2 WEST/CONCORD TURNPIKE AND GO 4.5 MILES. ENTER NEXT ROUNDABOUT AND TAKE 3RD EXIT ONTO MA-2 WEST. GO 2.3 MILES AND TURN LEFT ONTO MA-2 EAST. GO 1.4 MILES AND URN SLIGHT RIGHT ONTO SCHOOL STREET. TURN RIGHT ONTO CRAIG ROAD. END AT SITE.	

SITE NAME
ACTON 2

SBA SITE I.D.
MA-11845-S

E-911 ADDRESS (NOT CONFIRMED)
5 CRAIG ROAD
ACTON, MA 01720

PROJECT TYPE
PROPOSED 110' MONOPINE TOWER



SHEET INDEX		
SHEET	SHEET TITLE	REV
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SHEET SCALE:

PLOT SIZE:
24"x36": "TO SCALE"

1 (888) 344-7233
www.digsofe.com

CONTRACTOR TO CALL MASSACHUSETTS DIG SAFE AT LEAST (2) WORKING DAYS PRIOR TO DIGGING.

ZONING INFORMATION				
ZONING DISTRICT TYPE: LI, LIGHT INDUSTRIAL (INDUSTRIAL DISTRICT).				
GROUNDWATER PROTECTION DISTRICT: ZONE 2.				
PROPERTY ID H4-45 AND H4-13 ARE TO BE COMBINED. DATA IN TABLE BELOW IS BASED ON COMBINED PROPERTY.				
PROPOSED USE: WIRELESS COMMUNICATION FACILITY.				
ZONING REGULATION	REQUIRED		EXISTING	PROPOSED
LOT SIZE	-	-	3.65 AC.	N/A
TOTAL LOT COVERAGE	-	-	56,150 SQ.FT	59,550 SQ.FT
% OF LAND NOT PERMITTED IN ZONING DISTRICT	-	-	0%	0%
OPEN SPACE*	70%	-	81.78%	81.32%
UNDISTURBED OPEN SPACE	40%	-	54.23%	51.97%
IMPERVIOUS COVER*	-	30%	68.70%**	67.19%**
% WETLANDS	-	50%	0%	0%
% FLOOD PLAIN	-	-	0%	0%
DEVELOPABLE SITE AREA	-	-	92,380 SQ.FT	88,780 SQ.FT
FRONT YARD SETBACK	50 FT	-	-	91.4 FT
SIDE YARD SETBACK	30 FT	-	-	30.0 FT
REAR YARD SETBACK	30 FT	-	-	106.9 FT
SITE FRONTAGE	200 FT	-	448 FT	448 FT
BUILDING HEIGHT	-	40 FT	-	9.8 FT
FLOOR AREA RATIO	-	20%	18.22%	18.85%
PARKING SPACES	0	-	UNKNOWN	2 ADDITIONAL

THE TABLE ABOVE IS CONSIDERING THE COMBINED PROPERTY.

- ZONING NOTES:**
- THE USE OF FILL CONTAINING HAZARDOUS MATERIALS IS FORBIDDEN.
 - THE CONTRACTOR SHALL MARK THE LIMITS OF WORK PRIOR TO THE START OF CONSTRUCTION OR SITE CLEARING.
 - THE CLEANING OF CATCHBASIN SUMPS AND STORMWATER BASINS FOLLOWING CONSTRUCTION AND THEREAFTER IS REQUIRED BY THE SITE OWNER.
 - THE HAULING OF EARTH TO AND FROM THE SITE IS NOT PERMITTED BETWEEN THE HOURS OF 9AM AND 4PM, MONDAY THROUGH FRIDAY, IF EARTH MATERIALS ARE INTENDED TO BE REMOVED FROM OR BROUGHT TO THE SITE.
 - EXISTING DRIVEWAY CONDITIONS SHALL BE IMPROVED AS NEEDED. FOR DETAILS SEE SHEET C-4.
 - ALL STRUCTURES ASSOCIATED WITH THE WIRELESS COMMUNICATION FACILITIES SHALL BE REMOVED WITHIN ONE YEAR OF CONCESSION OF USE (BYLAW SECTION 3.10.4.2)
 - THE TYPE, DIMENSIONS, MOUNTING HARDWARE, AND POSITIONS OF ALL PROJECT OWNER'S EQUIPMENT ARE SHOWN IN ILLUSTRATIVE FASHION. THESE DRAWINGS ARE NOT INTENDED FOR CONSTRUCTION. ACTUAL HARDWARE DETAILS AND FINAL LOCATIONS MAY DIFFER SLIGHTLY FROM WHAT IS SHOWN.
 - ONCE THE FACILITY BECOMES FULLY OPERATIONAL, NORMAL AND ROUTINE MAINTENANCE BY PROJECT OWNER'S TECHNICIANS WILL BE PERFORMED ON A MONTHLY BASIS. THEREFORE, THE ESTIMATED VEHICLE TRIP GENERATION RATE IS 2 TRIPS PER MONTH. THE AVERAGE DAILY TRIP GENERATION RATE (ADJ) IS 0.07.
 - PERMANENT STANDBY EMERGENCY POWER WILL NOT BE UTILIZED BY PROJECT OWNER'S. IF NECESSARY, DURING AN EXTENDED POWER OUTAGE, A PORTABLE EMERGENCY GENERATOR WILL BE USED TO PROVIDE TEMPORARY EMERGENCY BACKUP POWER. THERE IS NO ON-SITE BULK STORAGE OF FLAMMABLE OR COMBUSTIBLE FUELS FOR OPERATING AN EMERGENCY GENERATOR FOR THE PROJECT OWNER'S EQUIPMENT.
- * EXISTING GRAVEL AREA IS CONSIDERED AS IMPERVIOUS COVER. OPEN SPACE AND IMPERVIOUS COVER SUM TO MORE THAN 100% BECAUSE IMPERVIOUS GRAVEL IS DOUBLE COUNTED. SEE "OPEN SPACE TABLE" THIS SHEET FOR INDIVIDUAL AREAS.
- ** PROPERTY IS MOSTLY GRAVEL. THE PROPOSED SITE DECREASES IMPERVIOUS AREA SINCE THE EXISTING GRAVEL IS TURNED INTO FERVOUS LANDSCAPING. THIS EXPLAINS THE DECREASE FROM EXISTING TO PROPOSED CONDITIONS.

CONSULTING TEAM

ARCHITECTURAL - ENGINEERING FIRM:
TOWER ENGINEERING PROFESSIONALS, INC.
3703 JUNCTION BOULEVARD, RALEIGH, NC 27603
CONTACT: PETER G. JERNIGAN, P.E.
PHONE: (919) 661-6351 FAX: (919) 661-6350

SURVEYING FIRM:
CME ASSOCIATES, INC.
50 ELM STREET, SOUTHBRIDGE, MA 01550
CONTACT: TIM GOSSELIN
PHONE: 1-860-928-7848 FAX: 1-860-928-7846

POWER COMPANY: NSTAR
CONTACT: CUSTOMER SERVICE
PHONE: 1-800-592-2000

TELEPHONE COMPANY: VERIZON
CONTACT: CUSTOMER SERVICE
PHONE: 1-800-837-4966

ELECTRICAL ENGINEER:
TOWER ENGINEERING PROFESSIONALS, INC.
3703 JUNCTION BOULEVARD, RALEIGH, NC 27603
CONTACT: J. RUSSELL HILL, P.E.
PHONE: (919) 661-6351 FAX: (919) 661-6350

TOWER VENDOR:
SABRE COMMUNICATIONS
2101 MURRAY STREET, SIOUX CITY, IA
CONTACT: CHAD PETERS
PHONE: (712) 258-6690

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

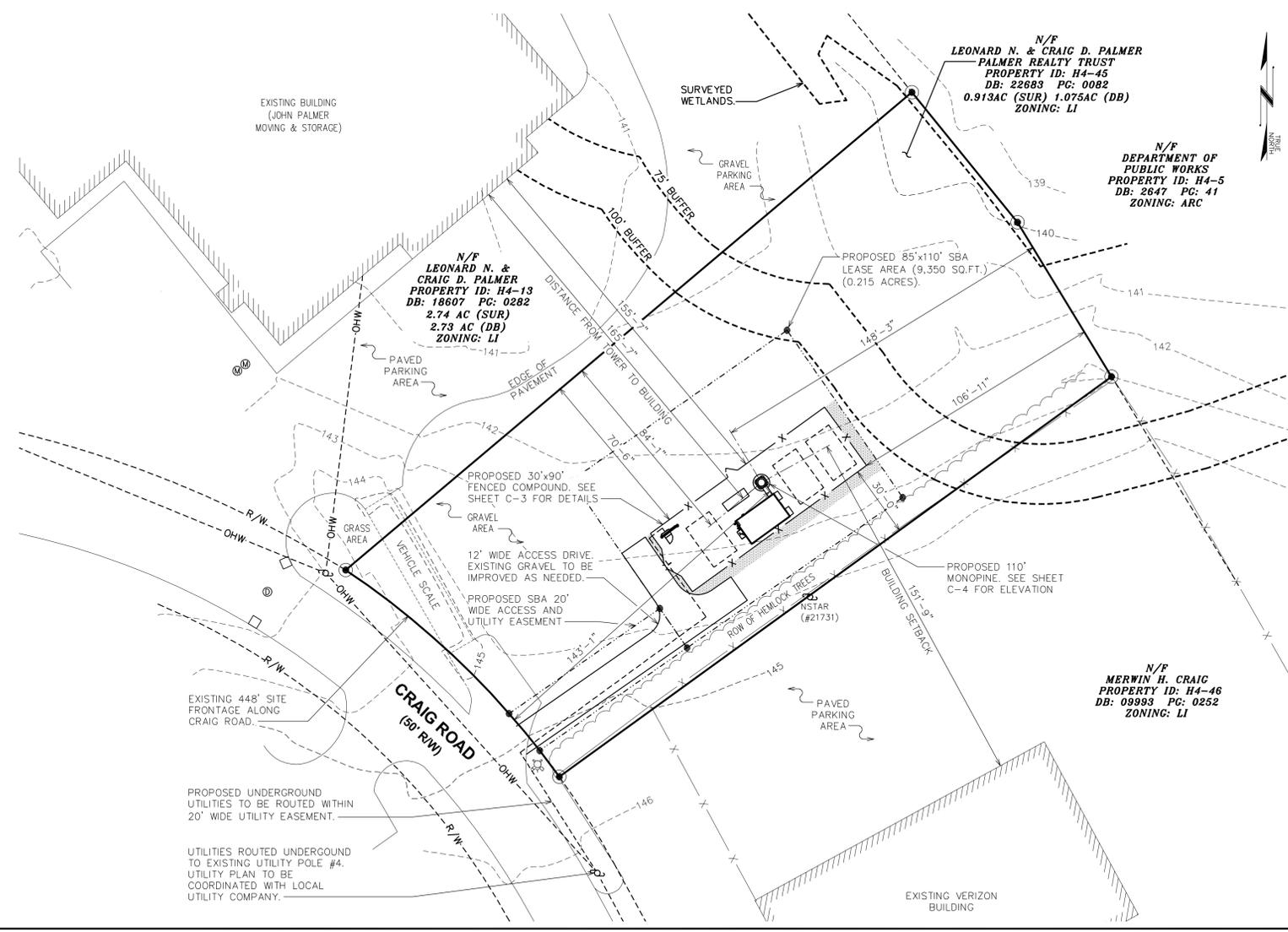
PLUMBING REQUIREMENTS
FACILITY HAS NO PLUMBING.

LEGEND	
	EXIST. PROPERTY LINE
	ADJ. PROPERTY LINE
	EXIST. UTILITY POLE
	EXIST. LIGHT POLE
	EXIST. HYDRANT
	EXIST. TELCO PEDESTAL
	PROPERTY CORNER
	LEASE/EASE. CORNER
	EXIST. CONTOUR LINE
	EDGE OF PAVEMENT
	OVERHEAD WIRE
	RIGHT-OF-WAY
	CHAIN LINK FENCE
	EXISTING TREE LINE

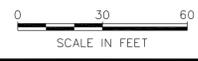
OPEN SPACE TABLE	
OPEN SPACE	
AS REQUIRED BY SECTION 3.7.5.4 OF RULES AND REGULATIONS FOR A WIRELESS COMMUNICATION FACILITY SPECIAL PERMIT	
PAVED AREAS	36,990 SQ.FT
GRAVEL AREAS	42,480 SQ.FT
GRASS AREAS	17,500 SQ.FT
VEGETATION	28,710 SQ.FT
VEHICLE SCALE	845 SQ.FT
COMPOUND	2,880 SQ.FT
CLOSED SPACE	
EXISTING BUILDING	29,000 SQ.FT
COMPOUND	720 SQ.FT
TOTAL	
TOTAL AREA	159,125 SQ.FT / 3.65 AC

- SITE PLAN NOTES:**
- THE SITE AND SURROUNDING AREA ARE LOCATED IN GROUNDWATER PROTECTION DISTRICT ZONE 2.
 - PROPERTIES H4-13 AND H4-45 OWNED BY LEONARD N. AND CRAIG D. PALMER TO BE COMBINED.
 - THE EXISTING LOCATION OF THE TOWER IS NOT LOCATED IN A FLOOD PLAIN (FEMA - FIRM COMMUNITY-PANEL NUMBER 2501760007C, DATED JANUARY 6, 1988).
 - ELEVATIONS SHOWN THROUGHOUT THESE PLANS REFERENCE NAVD 88. THE FOLLOWING CONVERSION FACTOR MAY BE USED TO OBTAIN NGVD 29: (NGVD 29) = 1.001722 * (NAVD 88)

BUILDING SETBACKS		
	REQUIRED	PROPOSED
FRONT	50'	91'-5"±
SIDE	30'	30'-0"±
REAR	30'	106'-11"±
SITE FRONTAGE	200'	448'±



SITE LAYOUT PLAN
SCALE: 1" = 30'



PLANS PREPARED FOR:

SBA TOWERS II, LLC.
5900 BROKEN SOUND PARKWAY, NW
BOCA RATON, FL 33487-2797
TEL: (561) 226-9332
FAX: (561) 226-9368

PLANS PREPARED BY:

TOWER ENGINEERING PROFESSIONALS
3703 JUNCTION BOULEVARD
RALEIGH, NC 27603-5663
OFFICE: (919) 661-6351
FAX: (919) 661-6350

FINAL ZONING	ISSUED FOR:
13 06-10-2013	ISSM
12 05-28-2010	
11 05-05-2010	
10 03-10-2010	
9 03-03-2010	
8 01-22-2010	
REV	DATE

CHECKED BY: JHU

DRAWN BY: JHU

PROJECT INFORMATION:

SITE NAME: **ACTON 2**

SITE I.D.: **MA-11845-S**

SITE ADDRESS: **5 CRAIG ROAD, ACTON, MA 01720 (MIDDLESEX COUNTY)**

SEAL:

MERWIN H. CRAIG
PROPERTY ID: H4-46
DB: 08993 PG: 0252
ZONING: LI

COMMISSIONER OF REGISTRATION
STATE OF MASSACHUSETTS
NO. 47742
EXPIRES 06/30/2013

SHEET NUMBER: **C-1**

REVISION: **13**

REP. #: 23864-5657

DATE: June 10, 2013

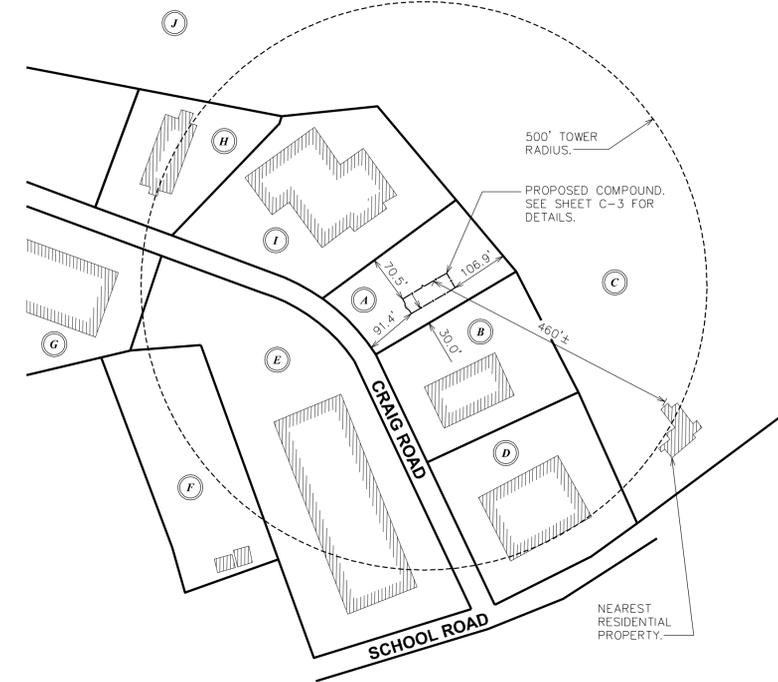
SITE NOTES AND SITE LAYOUT PLAN

PARCEL INFORMATION				
REF.	PROPERTY ID	N/F PROPERTY OWNER	DB - PG	ZONING DISTRICT
A	HD-45	LEONARD N. & CRAIG D. PALMER	22683-0082	LI
B	H4-46	MERWIN H. CRAIG	09993-0252	LI
C	H4-5	DEPARTMENT OF PUBLIC WORKS	2647-41	ARC
D	H4-66	STEVEN P. MURPHY TRUSTEE OF JELRICH TRUST OF 2001	49012-82	LI
E	H4-25	STEVEN P. MURPHY TRUSTEE OF JELRICH TRUST OF 2001	49012-82	LI

PARCEL INFORMATION				
REF.	PROPERTY ID	N/F PROPERTY OWNER	DB - PG	ZONING DISTRICT
F	H4-55	GEORGE PAQUETTE	15173-128	R-2
G	H4-14	STEVEN P. MURPHY TRUSTEE OF JELRICH TRUST OF 2001	49012-82	R-1
H	H4-12	15 CRAIG ROAD, LLC.	36079-193	LI
I	H4-13	LEONARD N. & CRAIG D. PALMER	18607-0282	LI
J	G4-198	DEPARTMENT OF PUBLIC WORKS	-	ARC

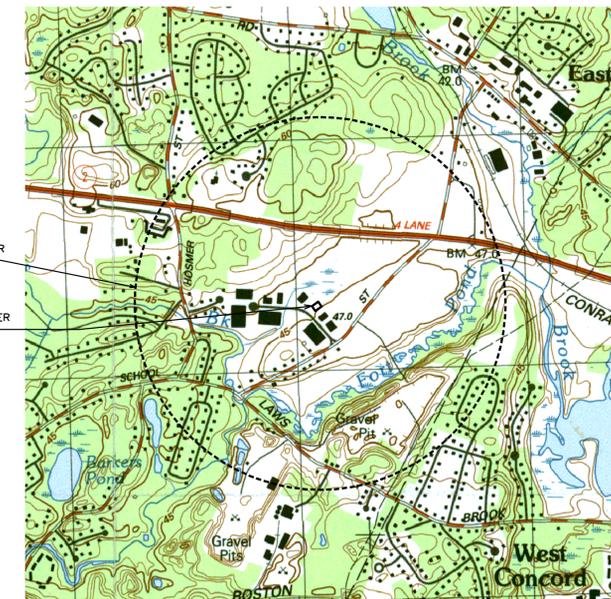
NOTE:

THE MAP SHOWN BELOW IS BASED ON INFORMATION TAKEN FROM THE TOWN OF ACTON, MA GEOGRAPHIC INFORMATION SYSTEM.



PROPERTY OWNERS

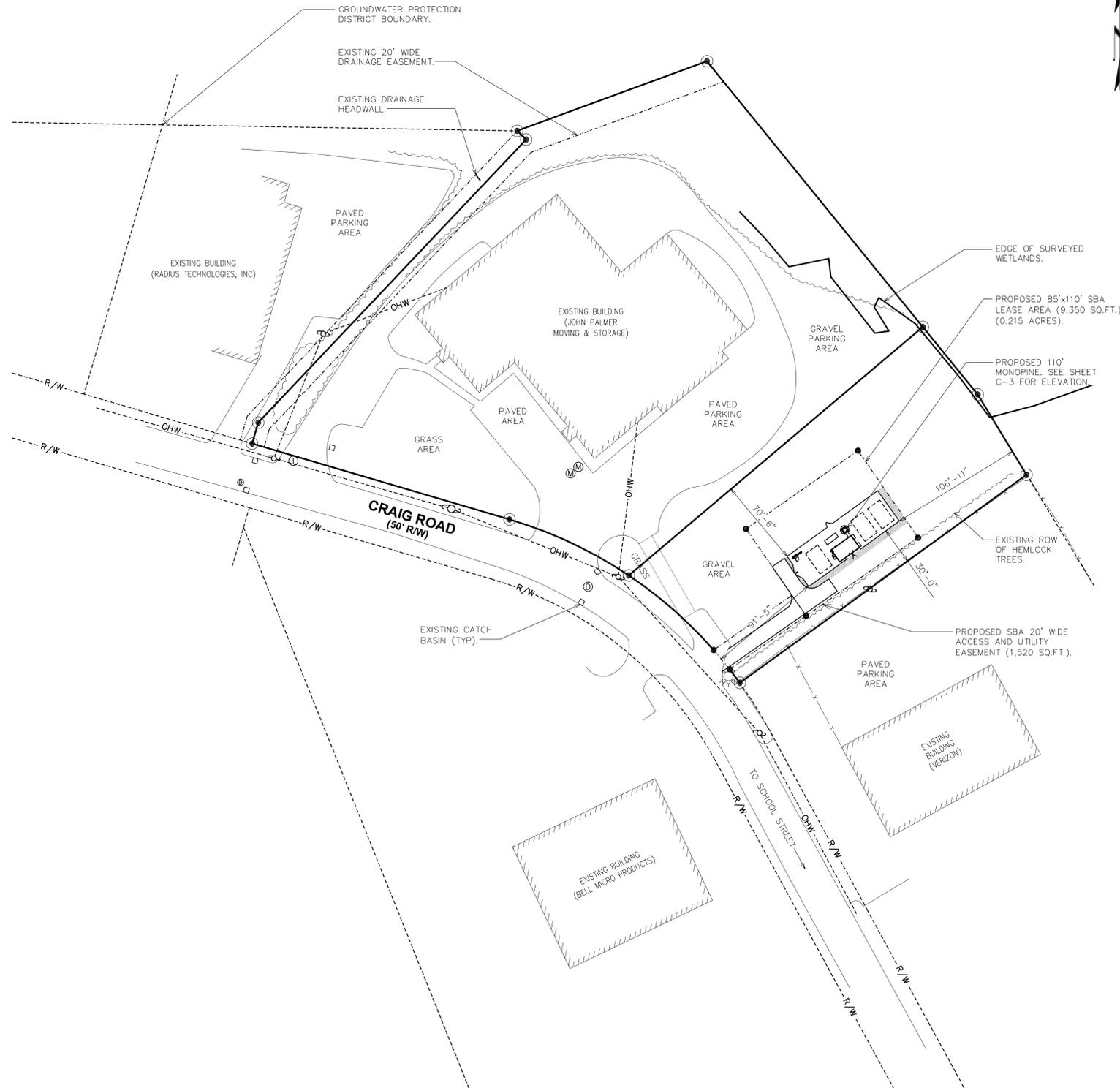
SCALE: 1" = 150'



*USGS TOPOGRAPHIC QUAD IMAGES 205914 AND 205910

LOCUS PLAN

SCALE: 1" = 1200'



SITE PLAN

SCALE: 1" = 50'



SBA TOWERS II, LLC.
5900 BROKEN SOUND PARKWAY, NW
BOCA RATON, FL 33487-2797
TEL: (561) 228-3388
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PLANS PREPARED FOR:
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3703 JUNCTION BOULEVARD
RALEIGH, NC 27603-5263
OFFICE: (919) 681-6851
FAX: (919) 681-6550



PLANS PREPARED BY:

REV	DATE	ISSUED FOR:	CHECKED BY:
13	06-10-2013	FINAL ZONING	JSM
12	05-28-2010	FINAL ZONING	
11	05-05-2010	FINAL ZONING	
10	03-10-2010	FINAL ZONING	
9	03-03-2010	FINAL ZONING	
8	01-22-2010	FINAL ZONING	

PROJECT INFORMATION:
SITE NAME: **ACTON 2**
SITE ID: **MA-11845-S**
SITE ADDRESS: **5 CRAIG ROAD, ACTON, MA 01720 (MIDDLESEX COUNTY)**



SEAL:

SHEET TITLE: **SITE PLAN AND LOCUS PLAN**

SHEET NUMBER: **C-2**

REVISION: **13**

TEP #: 28864-5657

DATE: June 10, 2013

NOTE:
 WORK LIGHT SHALL BE A COVERED 60W INCANDESCENT HALOGEN. THIS COMPLIES WITH SECTION 10.6 OF BYLAW.



PLANS PREPARED FOR:
TOWER ENGINEERING PROFESSIONALS
 3703 JUNCTION BOULEVARD
 RALEIGH, NC 27603-5263
 OFFICE: (919) 681-6851
 FAX: (919) 681-6550

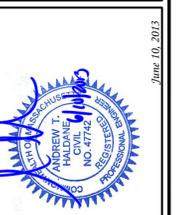


PLANS PREPARED BY:

13	06-10-2013	FINAL ZONING	ISSUED FOR:	ICSM
12	05-28-2010	FINAL ZONING	DATE	
11	05-05-2010	FINAL ZONING	DATE	
10	03-10-2010	FINAL ZONING	DATE	
9	03-03-2010	FINAL ZONING	DATE	
8	01-22-2010	FINAL ZONING	DATE	
REV	DATE	ISSUED FOR:		

DRAWN BY: JHJ
 CHECKED BY: KSM

PROJECT INFORMATION:
 SITE NAME: **ACTON 2**
 SITE ID: **MA-11845-S**
 SITE ADDRESS: **5 ACTON ROAD, ACTON, MA 01720 (MIDDLESEX COUNTY)**



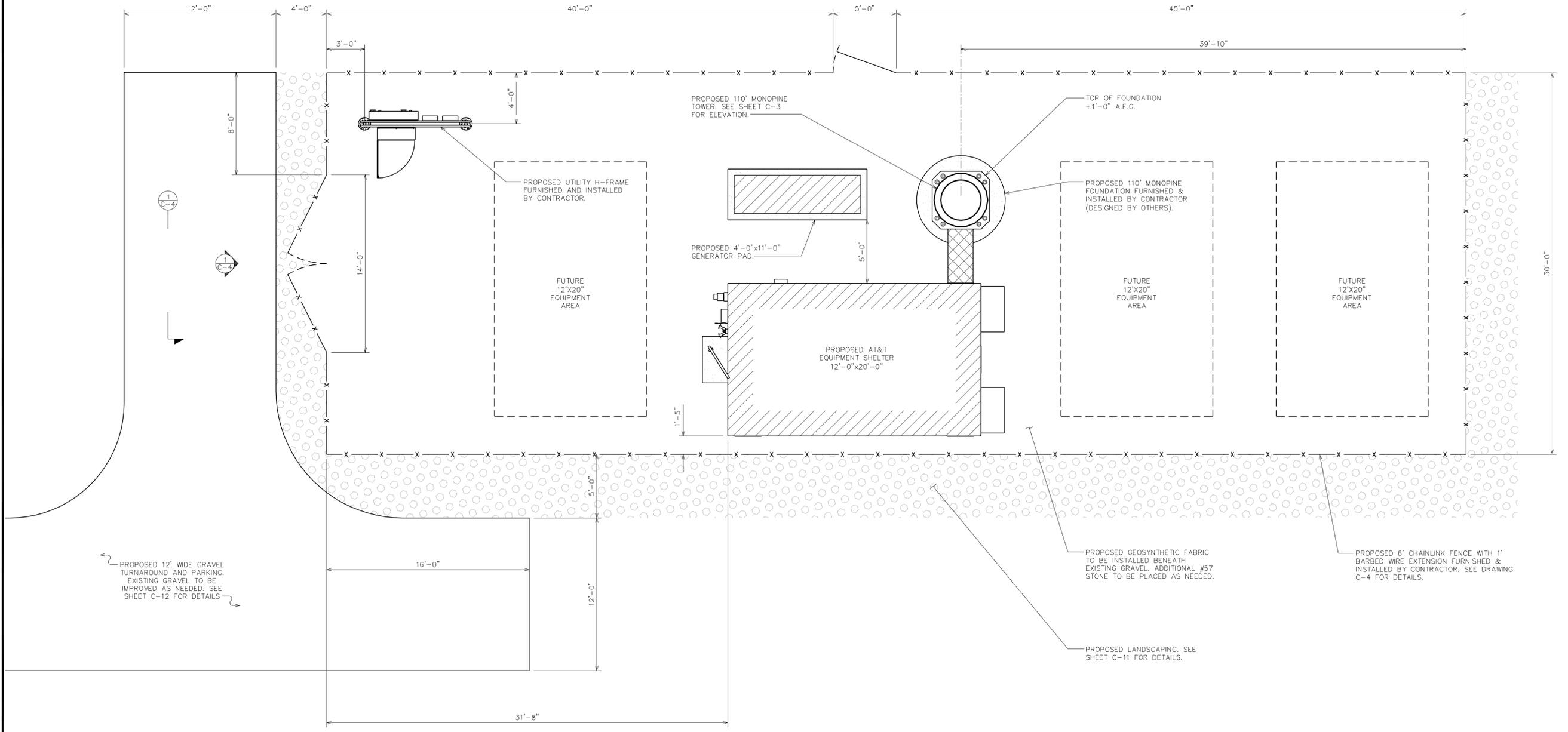
SEAL:

SHEET TITLE: **ENLARGED SITE PLAN**

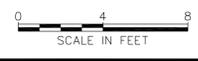
SHEET NUMBER: **C-3**

REVISION: **13**

TEP #: 23864-5657

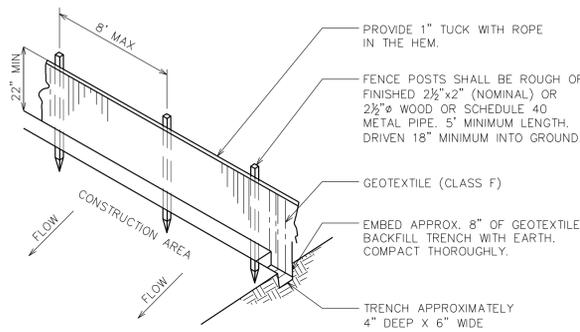


ENLARGED SITE PLAN
 SCALE: 1/4" = 1'-0"

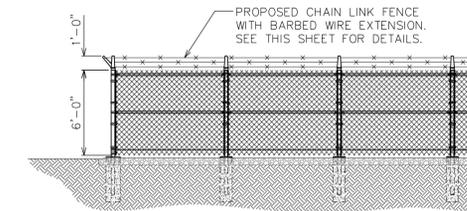


NOTES:

1. GEOTEXTILE FABRIC TO BE FASTENED SECURELY TO FENCE POST BY USE OF WIRE TIES OR HOG RINGS, 3 FASTENERS PER POST.
2. ENDS OF INDIVIDUAL ROLLS OF GEOTEXTILE SHALL BE SECURELY FASTENED TO A COMMON POST OR OVERLAPPED 3" (MINIMUM).
3. THIS DEVICE IS INTENDED TO CONTROL SHEET FLOW ONLY. IT WILL NOT BE USED IN AREAS OF CONCENTRATED FLOW WITH A DRAINAGE AREA OF 1/2 ACRE OR MORE.



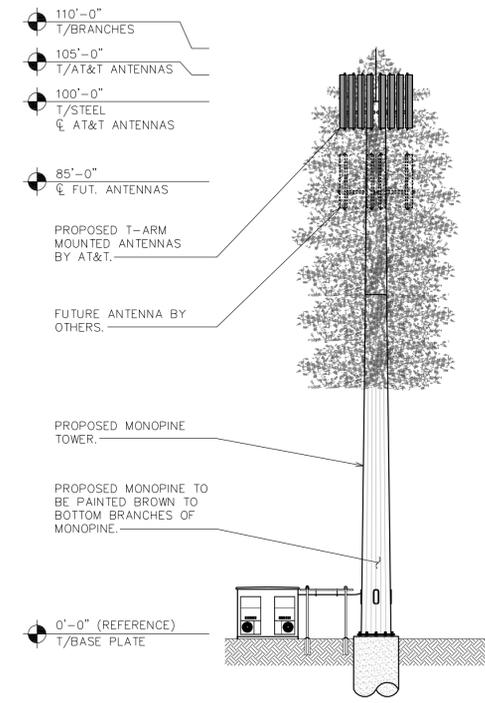
SILT FENCE DETAIL
SCALE: N.T.S.



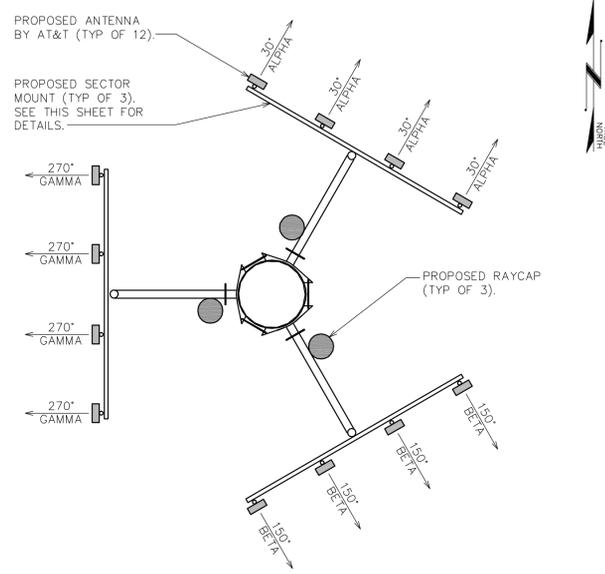
ELEVATION VIEW @ UTILITY FRAME
SCALE: N.T.S.

TOWER NOTES:

1. TOWER SHALL BE ILLUMINATED ONLY AS REQUIRED BY THE FEDERAL COMMUNICATIONS COMMISSION (FCC), THE FEDERAL AVIATION ADMINISTRATION (FAA), OR OTHER STATE OR FEDERAL AGENCY OF COMPETENT JURISDICTION.
2. TOWER SHALL BE DISGUISED AS A PINE TREE.
3. A SINGLE SIGN, 2 FEET SQUARE, IN A VISIBLE LOCATION SHALL BE REQUIRED WITH NAME AND EMERGENCY TELEPHONE NUMBER OF THE TOWER OWNER AND ALL COMPANIES OPERATING ON THE TOWER. NO ADVERTISING SHALL BE ATTACHED TO THE TOWER.
4. PROPOSED COAX TO BE RUN UP INSIDE OF PROPOSED POLE USING HOISTING GRIPS.
5. T-ARM MOUNTED PANEL ANTENNAS TO BE PAINTED TO MATCH FOLIAGE AND TRUNK COLOR.
6. TOWER TO BE PAINTED BROWN UP TO THE BOTTOM BRANCHES OF MONOPINE.



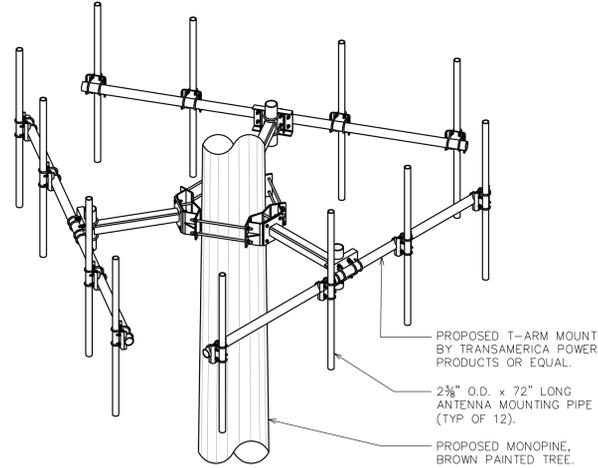
TOWER ELEVATION VIEW
SCALE: 1/8" = 1'-0"



MOUNT ORIENTATION
SCALE: N.T.S.

NOTES:

1. AN EQUIVALENT ANTENNA MOUNT IS ACCEPTABLE WITH APPROVAL FROM THE SBA PROJECT MANAGER.
2. VERIFY MONOPINE DIAMETER WITH TOWER MANUFACTURER.



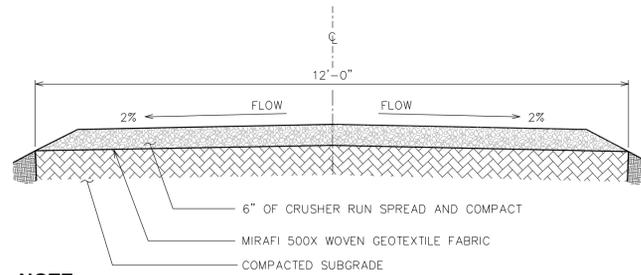
ANT.	SECTOR	MANUFACTURER (MODEL #)	AZIMUTH (TRUE)	MOUNTING HEIGHT	CABLE	COAX LENGTH	MECH. D-TILT
A1	ALPHA	KMW AM-X-CD17-65-00T-RET	30°	⊙ @ 100'-0"	(1) RET (1) FIBER (2) DC	110'-0"±	0°
A2	ALPHA	KMW AM-X-CD17-65-00T-RET	30°	⊙ @ 100'-0"		110'-0"±	0°
A3	ALPHA	KMW AM-X-CD17-65-00T-RET	30°	⊙ @ 100'-0"		110'-0"±	0°
A4	ALPHA	ERICSSON KRC118-054/1	30°	⊙ @ 100'-0"		110'-0"±	0°
B1	BETA	KMW AM-X-CD17-65-00T-RET	150°	⊙ @ 100'-0"	(1) RET (1) FIBER (2) DC	110'-0"±	0°
B2	BETA	KMW AM-X-CD17-65-00T-RET	150°	⊙ @ 100'-0"		110'-0"±	0°
B3	BETA	KMW AM-X-CD17-65-00T-RET	150°	⊙ @ 100'-0"		110'-0"±	0°
B4	BETA	ERICSSON KRC118-054/1	150°	⊙ @ 100'-0"		110'-0"±	0°
C1	GAMMA	KMW AM-X-CD17-65-00T-RET	270°	⊙ @ 100'-0"	(1) RET (1) FIBER (2) DC	110'-0"±	0°
C2	GAMMA	KMW AM-X-CD17-65-00T-RET	270°	⊙ @ 100'-0"		110'-0"±	0°
C3	GAMMA	KMW AM-X-CD17-65-00T-RET	270°	⊙ @ 100'-0"		110'-0"±	0°
C4	GAMMA	ERICSSON KRC118-054/1	270°	⊙ @ 100'-0"		110'-0"±	0°

* (15) PROPOSED RRU'S BY ERICSSON (ONE PER ANTENNA/RAYCAP).
** (3) PROPOSED RAYCAP - DC6-48-60-18-F (ONE PER SECTOR).

ANTENNA MOUNT DETAILS
SCALE: N.T.S.

NOTES:

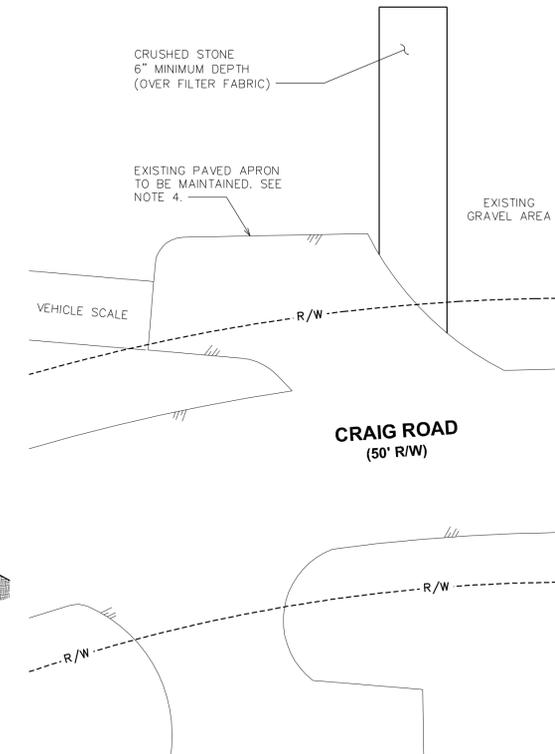
1. IMPROVE THE EXISTING SITE CONDITIONS IF NEEDED OR REQUIRED BY THE PROPERTY OWNER OR TOWN OF ACTON.
2. TURNING RADIUS THAT IS SUFFICIENT TO ACCOMMODATE LARGE TRUCKS SHALL BE PROVIDED.
3. THE ENTRANCE(S) SHOULD BE LOCATED TO PROVIDE FOR UTILIZATION BY ALL CONSTRUCTION VEHICLES.
4. ENTRANCE(S) MUST BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR DIRECT FLOW OF MUD ONTO STREETS. PERIODIC TOPDRESSING WITH STONE WILL BE NECESSARY.
5. ANY MATERIAL TRACKED ONTO THE ROADWAY MUST BE CLEANED UP IMMEDIATELY.
6. GRAVEL CONSTRUCTION ENTRANCE SHALL BE LOCATED AT ALL POINTS OF INGRESS AND EGRESS UNTIL SITE IS STABILIZED. FREQUENT CHECKS OF THE DEVICE AND TIMELY MAINTENANCE MUST BE PROVIDED.



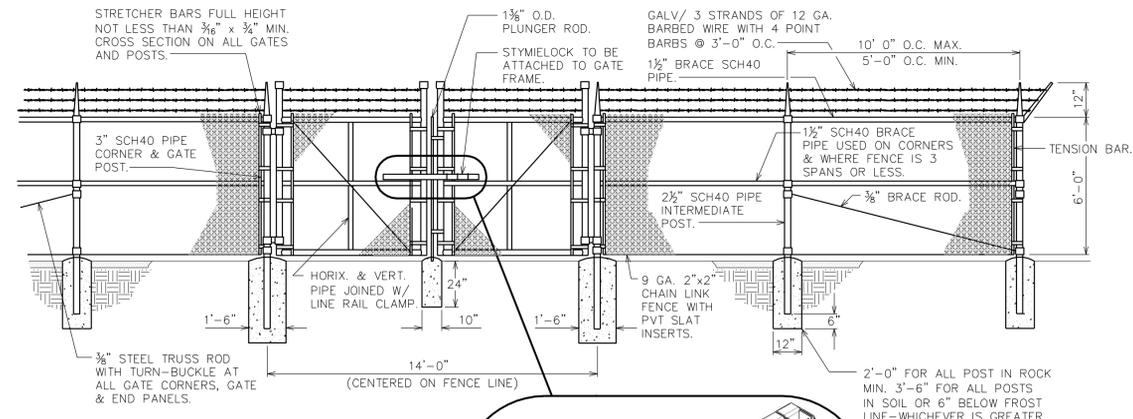
STANDARD ROAD SECTION
SCALE: N.T.S.

NOTE:

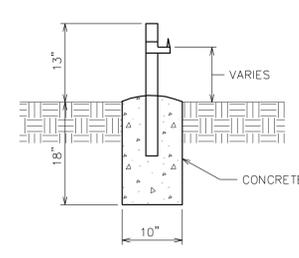
EXISTING SITE CONDITION IS A GRAVEL AREA. IMPROVE EXISTING DRIVE CONDITIONS AS NEEDED.



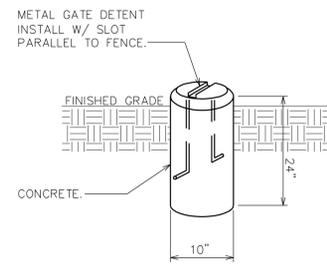
DRIVEWAY DETAILS
SCALE: N.T.S.



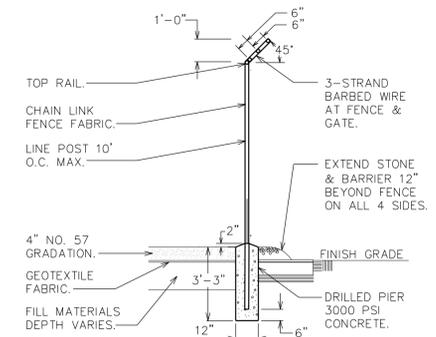
FENCE DETAILS
SCALE: N.T.S.



GATE STOP/KEEPER DETAIL
SCALE: N.T.S.



GATE DETENT DETAIL
SCALE: N.T.S.



FENCE/BARBED WIRE ARM DETAIL
SCALE: N.T.S.

PLANS PREPARED FOR: **SBA** SBA TOWERS II, LLC. 5900 BROKEN SOUND PARKWAY, NW BOCA RATON, FL 33487-2797 TEL: (561) 228-3388 FAX: (561) 228-3388

PLANS PREPARED BY: **TOWER ENGINEERING PROFESSIONALS** 3703 JUNCTION BOULEVARD RALEIGH, NC 27603-5663 OFFICE: (919) 681-6651 FAX: (919) 681-6650

FINAL ZONING	ISSUED FOR:	ISSUED DATE	ISSUED BY:
13	06-10-2013	JHU	FCSM
12	05-28-2010		
11	05-05-2010		
10	03-10-2010		
9	03-03-2010		
8	01-22-2010		

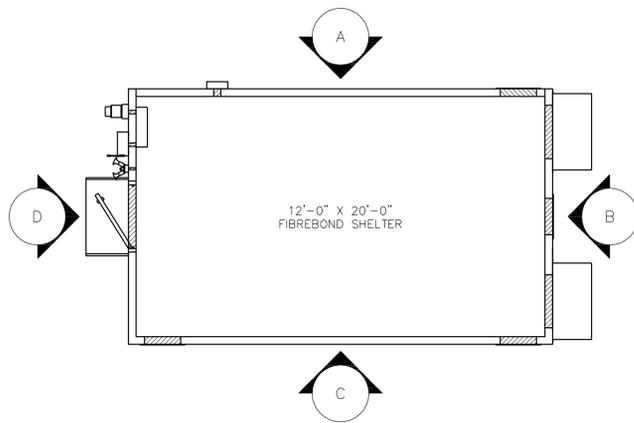
PROJECT INFORMATION: **ACTON 2** MA-11845-S
SITE ADDRESS: 5 ACTON MA 01720 (MIDDLESEX COUNTY)

SEAL: [Professional Engineer Seal for James J. Hynes, No. 47742, State of Massachusetts]

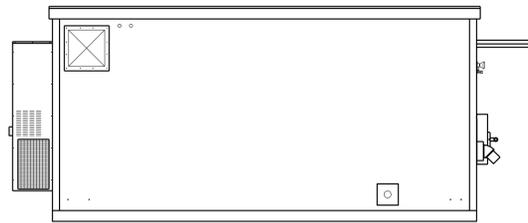
SHEET TITLE: **SITE DETAILS I**

SHEET NUMBER: **C-4** REVISION: **13** TEP #: 23864-5657

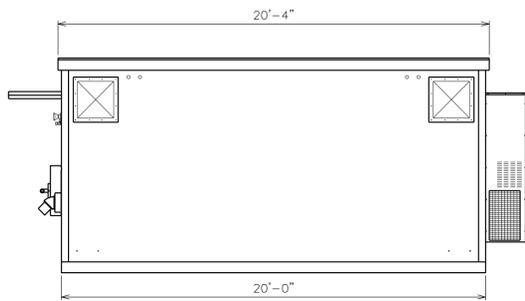
DATE: June 10, 2013



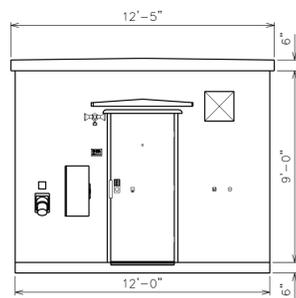
ELEVATION A



ELEVATION B



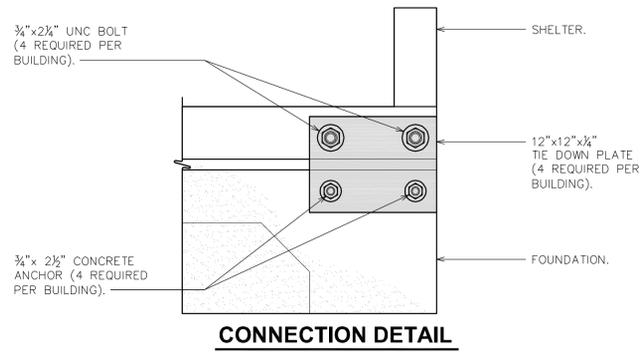
ELEVATION C



ELEVATION D

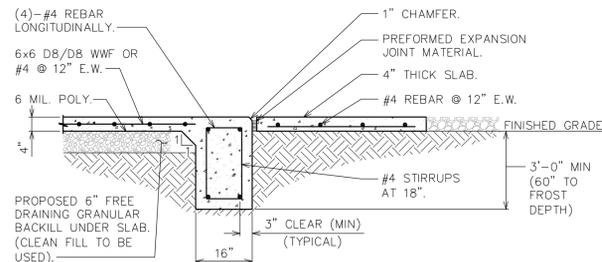
AT&T SHELTER ELEVATIONS

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



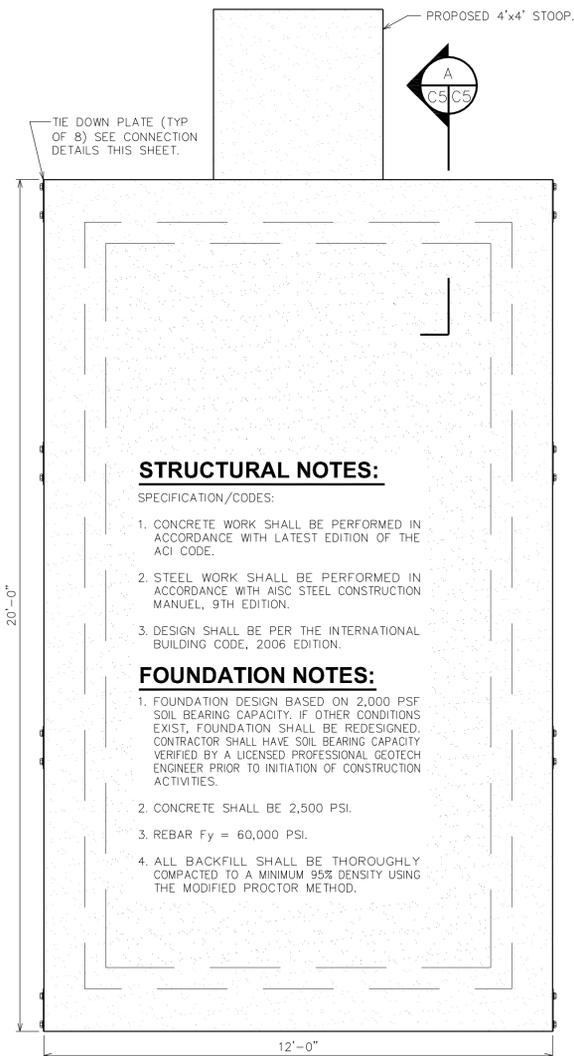
CONNECTION DETAIL

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



PAD SECTION A (C5/C5)

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



SHELTER FOUNDATION PLAN

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

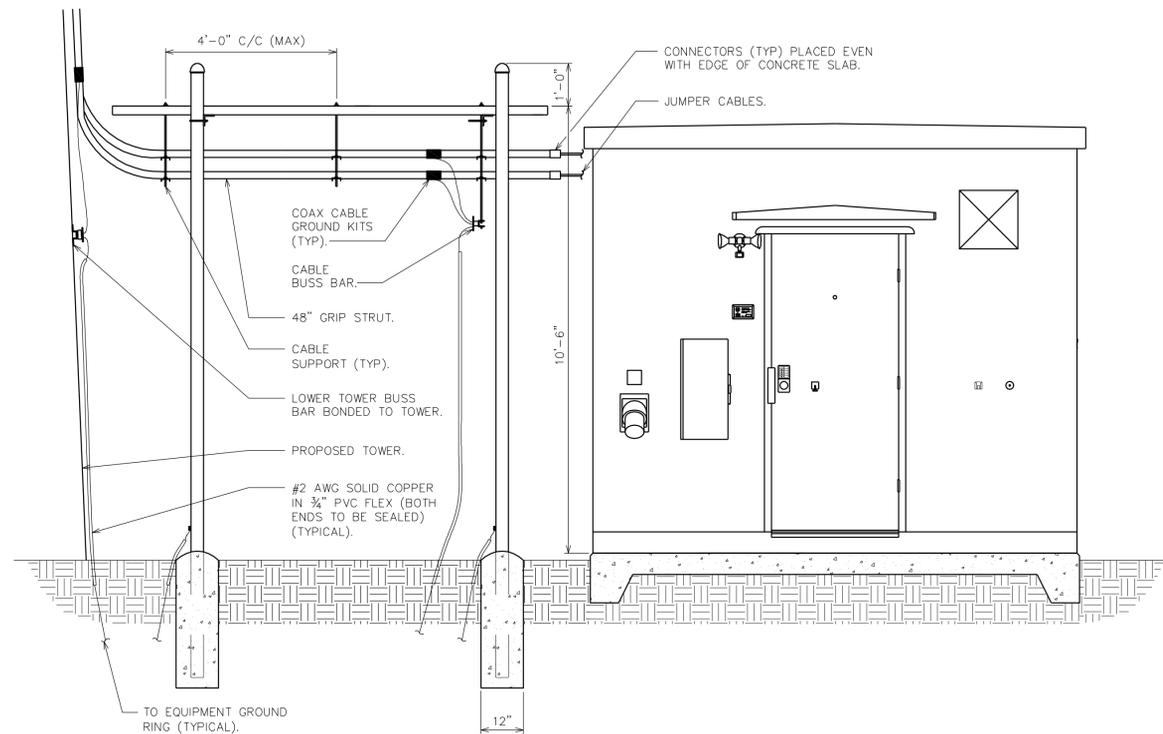
STRUCTURAL NOTES:

SPECIFICATION / CODES:

1. CONCRETE WORK SHALL BE PERFORMED IN ACCORDANCE WITH LATEST EDITION OF THE ACI CODE.
2. STEEL WORK SHALL BE PERFORMED IN ACCORDANCE WITH AISC STEEL CONSTRUCTION MANUAL, 9TH EDITION.
3. DESIGN SHALL BE PER THE INTERNATIONAL BUILDING CODE, 2006 EDITION.

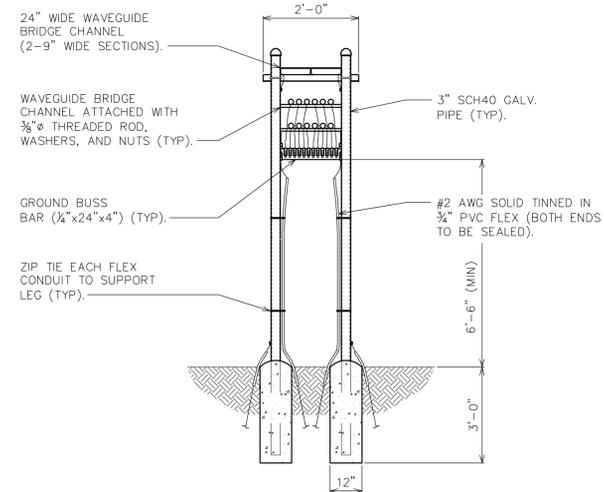
FOUNDATION NOTES:

1. FOUNDATION DESIGN BASED ON 2,000 PSF SOIL BEARING CAPACITY. IF OTHER CONDITIONS EXIST, FOUNDATION SHALL BE REDESIGNED. CONTRACTOR SHALL HAVE SOIL BEARING CAPACITY VERIFIED BY A LICENSED PROFESSIONAL GEOTECH ENGINEER PRIOR TO INITIATION OF CONSTRUCTION ACTIVITIES.
2. CONCRETE SHALL BE 2,500 PSI.
3. REBAR F_y = 60,000 PSI.
4. ALL BACKFILL SHALL BE THOROUGHLY COMPACTED TO A MINIMUM 95% DENSITY USING THE MODIFIED PROCTOR METHOD.



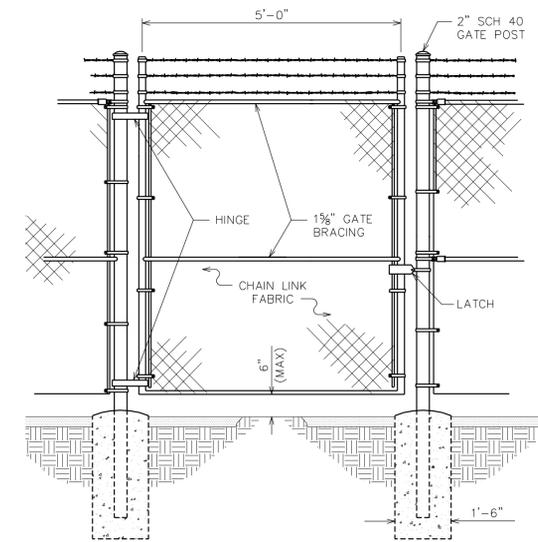
ICE BRIDGE DETAILS (SIDE VIEW)

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



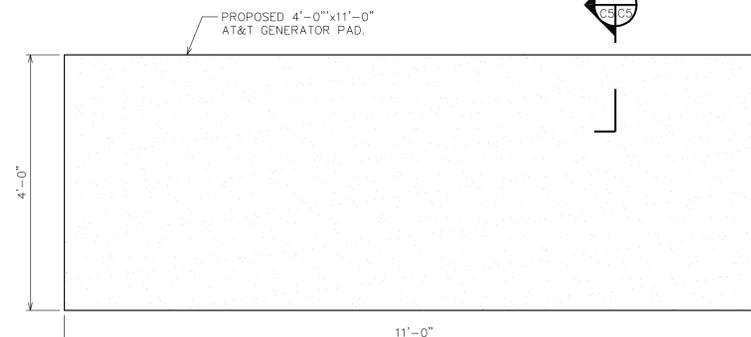
ICE BRIDGE DETAILS (FRONT VIEW)

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



TYPICAL MAN GATE DETAIL

SCALE: N.T.S.



GENERATOR FOUNDATION PLAN

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



SBA TOWERS II, LLC
5900 BROKEN SOUND PARKWAY, NW
BOCA RATON, FL 33487-2797
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PLANS PREPARED BY:

TOWER ENGINEERING PROFESSIONALS
3703 JUNCTION BOULEVARD
RALEIGH, NC 27603-5263
OFFICE: (919) 681-6551
FAX: (919) 681-6550

PLANS PREPARED BY:

PROJECT INFORMATION:
SITE NAME: **ACTON 2**
SITE ID: **MA-11845-S**
SITE ADDRESS: **ACTON, MA 01720 (MIDDLESEX COUNTY)**



SEAL:

SHEET TITLE: **SITE DETAILS II**

SHEET NUMBER: **C-5**

REVISION: **13**
TEP #: 23864-5657

June 10, 2013

CHECKED BY: FCSM

DRAWN BY: JHU

ISSUED FOR:

DATE

REV

DATE

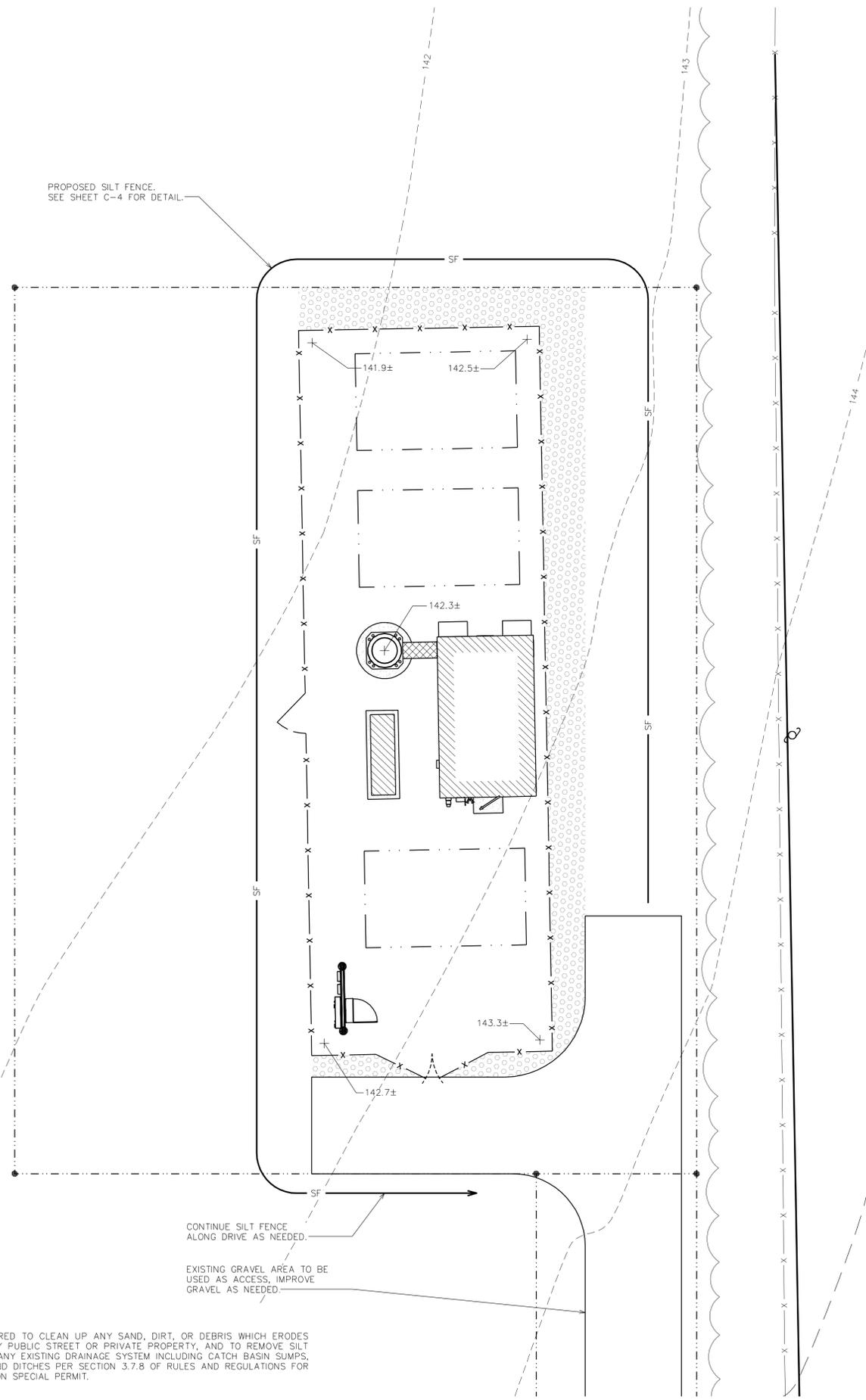
REV

DATE

REV



PROPOSED SILT FENCE.
SEE SHEET C-4 FOR DETAIL.



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

NOTE:
THE DEVELOPER IS REQUIRED TO CLEAN UP ANY SAND, DIRT, OR DEBRIS WHICH ERODES FROM THE SITE ONTO ANY PUBLIC STREET OR PRIVATE PROPERTY, AND TO REMOVE SILT OR DEBRIS THAT ENTERS ANY EXISTING DRAINAGE SYSTEM INCLUDING CATCH BASIN SUMPS, PIPE LINES, MANHOLES, AND DITCHES PER SECTION 3.7.8 OF RULES AND REGULATIONS FOR A WIRELESS COMMUNICATION SPECIAL PERMIT.

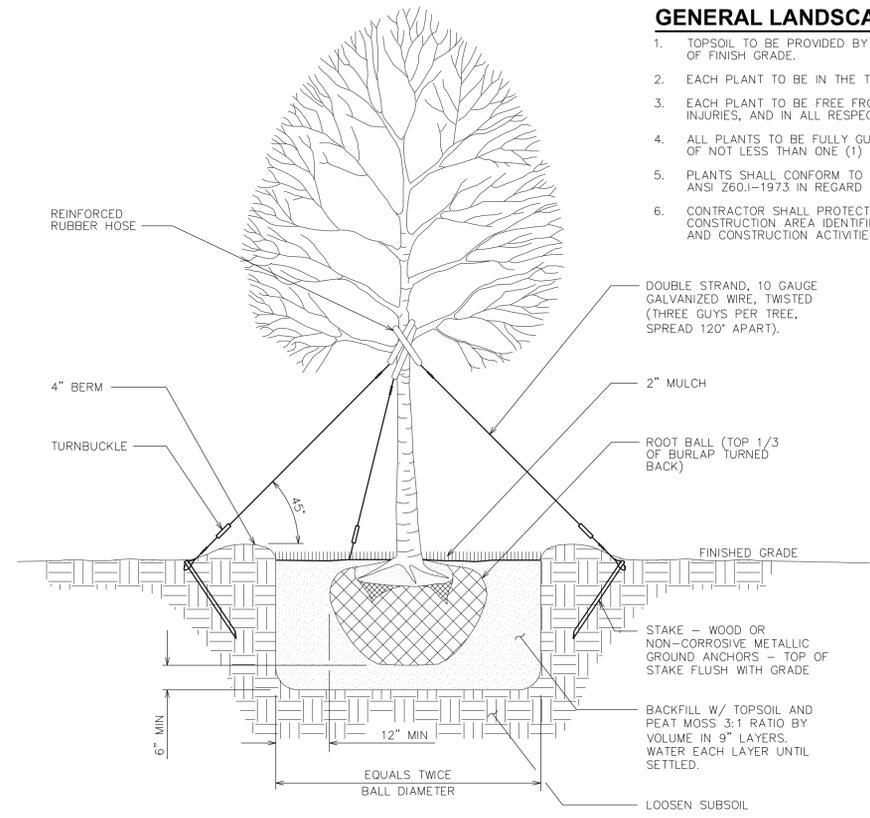
CONTINUE SILT FENCE
ALONG DRIVE AS NEEDED.

EXISTING GRAVEL AREA TO BE
USED AS ACCESS. IMPROVE
GRAVEL AS NEEDED.

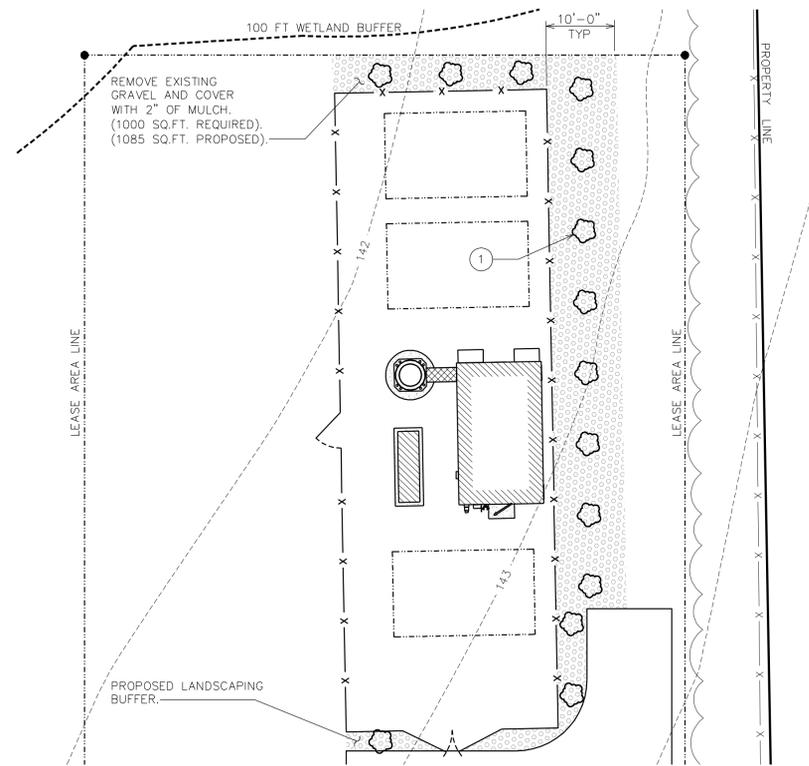
PLANTING SCHEDULE								
ITEM	QTY.	BOTANICAL NAME	COMMON NAME	HEIGHT @ PLANTING	HEIGHT @ MATURITY	SPREAD/ CALIPER	SPACING	REMARKS
TREES								
1	14	(Juniperus virginiana)	EASTERN RED CEDAR	4'-0"	25'-0"	-	SEE PLAN THIS SHEET	SHOWN AS

GENERAL LANDSCAPE NOTES

1. TOPSOIL TO BE PROVIDED BY SITE CONTRACTOR IN ROUGH GRADE TO WITHIN 1" OF FINISH GRADE.
2. EACH PLANT TO BE IN THE TOP OF ITS CLASS AFTER SHEARING AND PRUNING.
3. EACH PLANT TO BE FREE FROM DISEASE, INSECT INFESTATION, AND MECHANICAL INJURIES, AND IN ALL RESPECTS BE SUITABLE FOR FIELD PLANTING.
4. ALL PLANTS TO BE FULLY GUARANTEED (LABOR AND MATERIALS) FOR A PERIOD OF NOT LESS THAN ONE (1) YEAR FROM DATE OF INSTALLATION.
5. PLANTS SHALL CONFORM TO THE AMERICAN STANDARD FOR NURSERY STOCK, ANSI Z60.1-1973 IN REGARD TO SIZING, GROWING, AND B&B SPECIFICATIONS.
6. CONTRACTOR SHALL PROTECT ALL EXISTING TREES AND SHRUBS WITHIN CONSTRUCTION AREA IDENTIFIED AS "TO REMAIN" FROM DAMAGE BY EQUIPMENT AND CONSTRUCTION ACTIVITIES.



LANDSCAPING DETAILS & SCHEDULE
SCALE: N.T.S.



LANDSCAPING PLAN
SCALE: N.T.S.



PLANS PREPARED FOR:
TOWER ENGINEERING PROFESSIONALS
3703 JUNCTION BOULEVARD
RALEIGH, NC 27605-5263
OFFICE: (919) 681-6851
FAX: (919) 681-6550

PLANS PREPARED BY:

REV	DATE	ISSUED FOR:	CHECKED BY:
13	06-10-2013	FINAL ZONING	KCSM
12	05-28-2010	FINAL ZONING	
11	05-05-2010	FINAL ZONING	
10	03-10-2010	FINAL ZONING	
9	03-03-2010	FINAL ZONING	
8	01-22-2010	FINAL ZONING	

PROJECT INFORMATION:
SITE NAME: **ACTON 2**
SITE ID: **MA-11845-S**
SITE ADDRESS: **5 W. MAIN ROAD, ACTON, MA 01720 (MIDDLESEX COUNTY)**



SEAL:

SHEET TITLE: **SITE DETAILS III**

SHEET NUMBER: **C-6**

REVISION: **13**

REP. #: 23864-5657

DATE: June 10, 2013