

**1**

**PROJECT SUMMARY**

**SITE NAME:** ACTON 2  
**SITE I.D.:** MA-11845-S  
**SITE ADDRESS:** 5 - 7 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.

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

**PLUMBING REQUIREMENTS**  
 FACILITY HAS NO PLUMBING.

**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



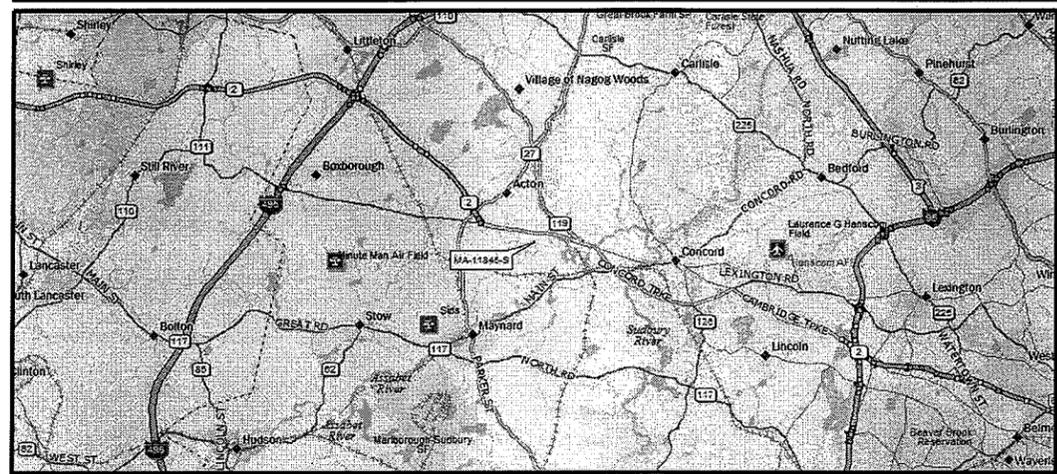
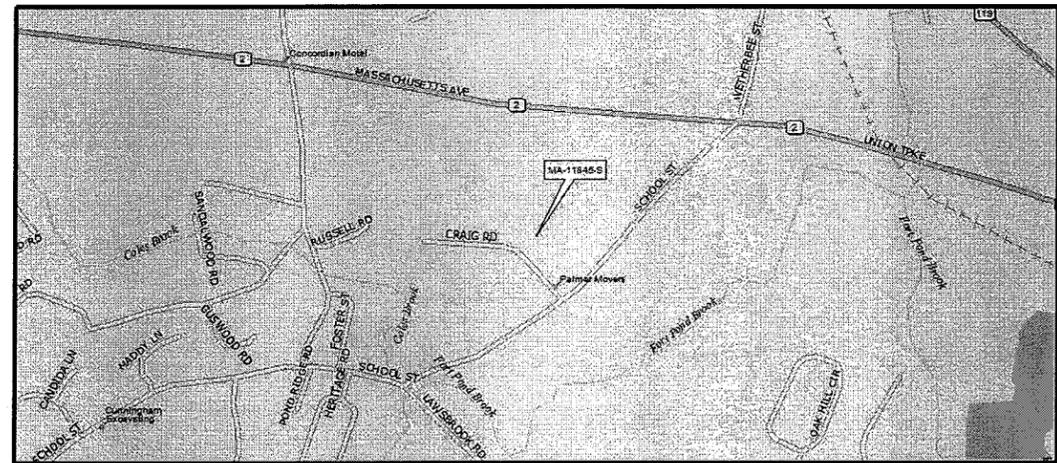
**SITE NAME**  
**ACTON 2**

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

**E-911 ADDRESS (NOT CONFIRMED)**  
**5 - 7 CRAIG ROAD**  
**ACTON, MA 01720**

**PROJECT TYPE**  
**PROPOSED 110' MONOPINE TOWER**

**LOCATION MAPS**



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**APPROVALS**

LANDLORD		DATE
PROPERTY		DATE
CONSTRUCTION		DATE
RSM		DATE
TENANT		DATE
ZONING		DATE



1 (888) 344-7233  
 www.digsafe.com  
 CONTRACTOR TO CALL MASSACHUSETTS DIG SAFE AT LEAST (2) WORKING DAYS PRIOR TO DIGGING.

**APPLICANT/LESSEE:**

**SBA**

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**PLANS PREPARED BY:**

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 RALEIGH, NC 27603-5263  
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**SEAL:**

October 16, 2013

14	10-16-13	FINAL ZONING
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11	05-03-10	FINAL ZONING
REV	DATE	ISSUED FOR:

**DRAWN BY:** JHJ **CHECKED BY:** KSM

**SHEET TITLE:**

**TITLE SHEET**

**SHEET NUMBER:** T-1 **REVISION:** 14  
 TEP #: 29864-5657

## 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 REGULATIION	REQUIRED		EXISTING	PROPOSED
	MINIMUM	MAXIMUM		
LOT SIZE	-	-	3.66 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%	-	25.32%	25.75%
UNDISTURBED OPEN SPACE	40%	-	17.38%	17.38%
IMPERVIOUS COVER	-	30%	74.68% *	74.25% *
% WETLANDS	-	50%	11.69 %	11.69 %
% FLOOD PLAIN	-	-	0 %	0 %
DEVELOPABLE SITE AREA	-	-	137,160 SQ.FT	126,290 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
TOWER HEIGHT	-	110 FT	-	100 FT
FLOOR AREA RATIO	-	20%	21.14 %	23.53%
PARKING SPACES	0	-	UNKNOWN	2 ADDITIONAL

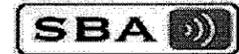
THE TABLE ABOVE IS CONSIDERING THE COMBINED PROPERTY.

\*PROPERTY IS MOSTLY GRAVEL. THE PROPOSED SITE DECREASES IMPERVIOUS AREA SINCE THE EXISTING GRAVEL IS TURNED INTO PERVIOUS LANDSCAPING. THIS EXPLAINS THE DECREASE FROM EXISTING TO PROPOSED CONDITIONS.

### NOTES:

1. THE USE OF FILL CONTAINING HAZARDOUS MATERIALS IS FORBIDDEN.
2. THE CONTRACTOR SHALL MARK THE LIMITS OF WORK PRIOR TO THE START OF CONSTRUCTION OR SITE CLEARING.
3. THE CLEANING OF CATCHBASIN SUMPS AND STORMWATER BASINS FOLLOWING CONSTRUCTION AND THEREAFTER IS REQUIRED BY THE SITE OWNER.
4. 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.
5. EXISTING DRIVEWAY CONDITIONS SHALL BE IMPROVED AS NEEDED. FOR DETAILS SEE SHEET C-12.
6. ALL STRUCTURES ASSOCIATED WITH THE WIRELESS COMMUNICATION FACILITIES SHALL BE REMOVED WITHIN ONE YEAR OF CONCESSION OF USE (BYLAW SECTION 3.8.3.6).
7. 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.
8. 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.
9. PERMANENT STANDBY EMERGENCY POWER WILL BE UTILIZED BY PROJECT OWNER'S BY USE OF PROPOSED DIESEL GENERATOR.

APPLICANT/LESSEE:



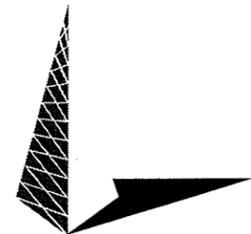
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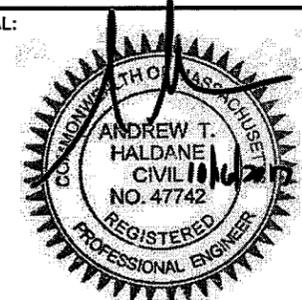
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DRAWN BY: JHJ    CHECKED BY: KSM

SHEET TITLE:

## ZONING INFORMATION

SHEET NUMBER:	REVISION:
<b>N-1</b>	<b>14</b>
	TEP #: 29864-5657

## ZONING INFORMATION

SCALE: N.T.S.



**NOTES:**

1. THE SITE AND SURROUNDING AREA ARE LOCATED IN GROUNDWATER PROTECTION DISTRICT ZONE 2.
2. THE EXISTING LOCATION OF THE TOWER IS NOT LOCATED IN A FLOOD PLAIN (FEMA - FIRM COMMUNITY-PANEL NUMBER 2501760007C, DATED JANUARY 6, 1988).
3. 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).

APPLICANT/LESSEE:



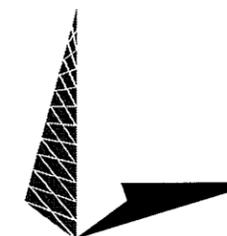
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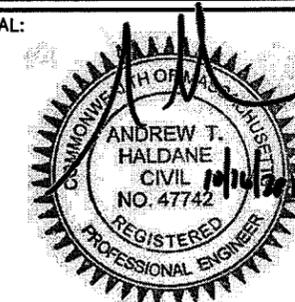
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**SITE PLAN**

SHEET NUMBER:	REVISION:
<b>C-1A</b>	<b>14</b>
	TEP #: 29864-5657

**BUILDING SETBACKS**

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

**LEGEND**

- EXIST. PROPERTY LINE
- - - ADJ. PROPERTY LINE
- ⊕ EXIST. UTILITY POLE
- ⊙ EXIST. LIGHT POLE
- ⊕ EXIST. HYDRANT
- ⊕ EXIST. TELCO PEDESTAL
- ⊕ EXIST. MANHOLE
- ⊕ EXIST. TELCO MANHOLE
- ⊙ PROPERTY CORNER
- LEASE/EASE. CORNER
- - -200- - - EXIST. CONTOUR LINE
- ▨ EDGE OF PAVEMENT
- - -OHW- - - OVERHEAD WIRE
- - -R/W- - - RIGHT-OF-WAY
- X - CHAIN LINK FENCE
- ~ EXISTING TREE LINE

**OPEN SPACE TABLE**

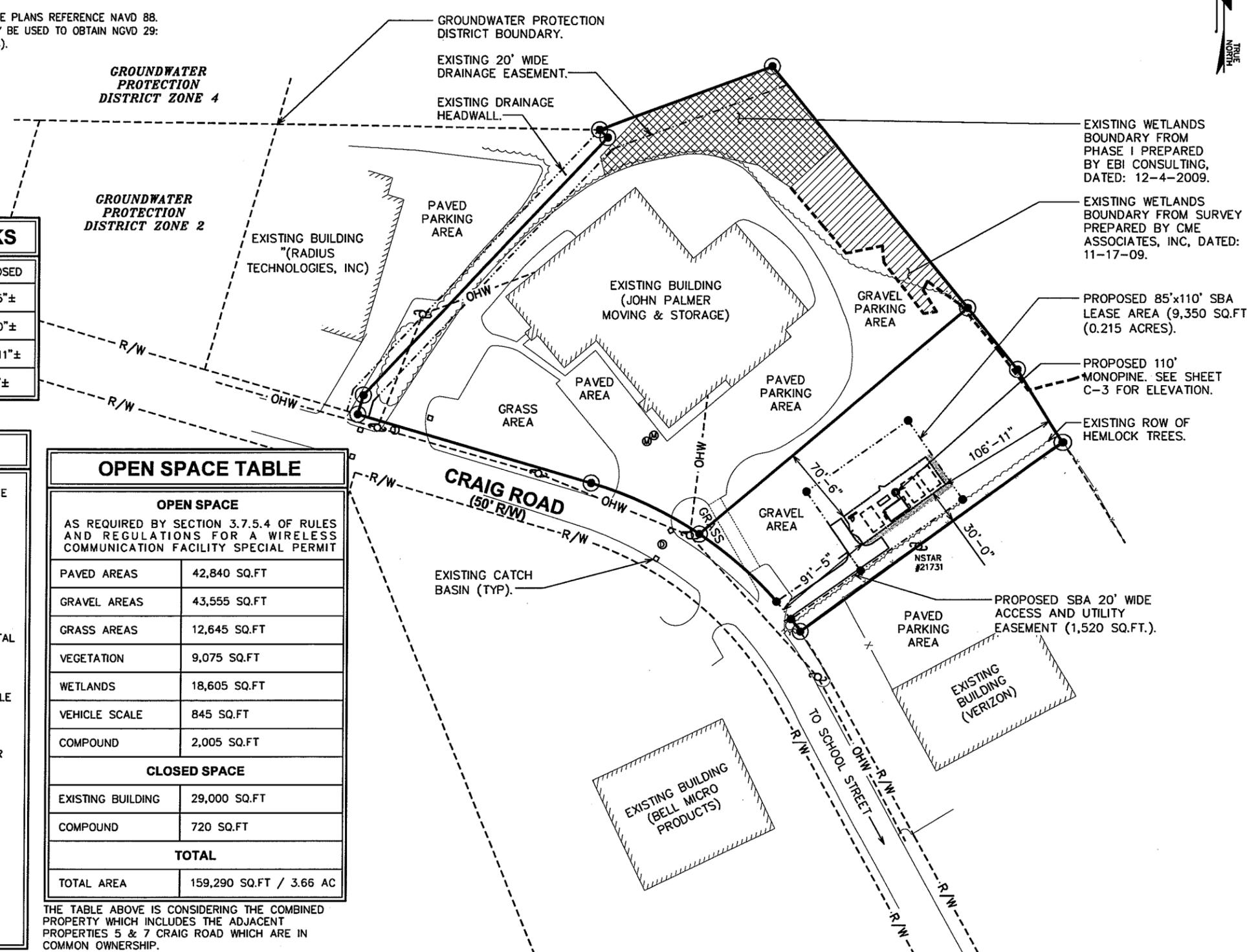
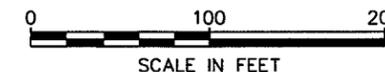
AS REQUIRED BY SECTION 3.7.5.4 OF RULES AND REGULATIONS FOR A WIRELESS COMMUNICATION FACILITY SPECIAL PERMIT

OPEN SPACE	AREA
PAVED AREAS	42,840 SQ.FT
GRAVEL AREAS	43,555 SQ.FT
GRASS AREAS	12,645 SQ.FT
VEGETATION	9,075 SQ.FT
WETLANDS	18,605 SQ.FT
VEHICLE SCALE	845 SQ.FT
COMPOUND	2,005 SQ.FT
<b>CLOSED SPACE</b>	
EXISTING BUILDING	29,000 SQ.FT
COMPOUND	720 SQ.FT
<b>TOTAL</b>	
TOTAL AREA	159,290 SQ.FT / 3.66 AC

THE TABLE ABOVE IS CONSIDERING THE COMBINED PROPERTY WHICH INCLUDES THE ADJACENT PROPERTIES 5 & 7 CRAIG ROAD WHICH ARE IN COMMON OWNERSHIP.

**SITE PLAN**

SCALE: 1" = 100'



**NOTES:**

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**BUILDING-SETBACKS**

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SIDE	30'	30'-0"±
REAR	30'	106'-11"±
SITE FRONTAGE	200'	448'±

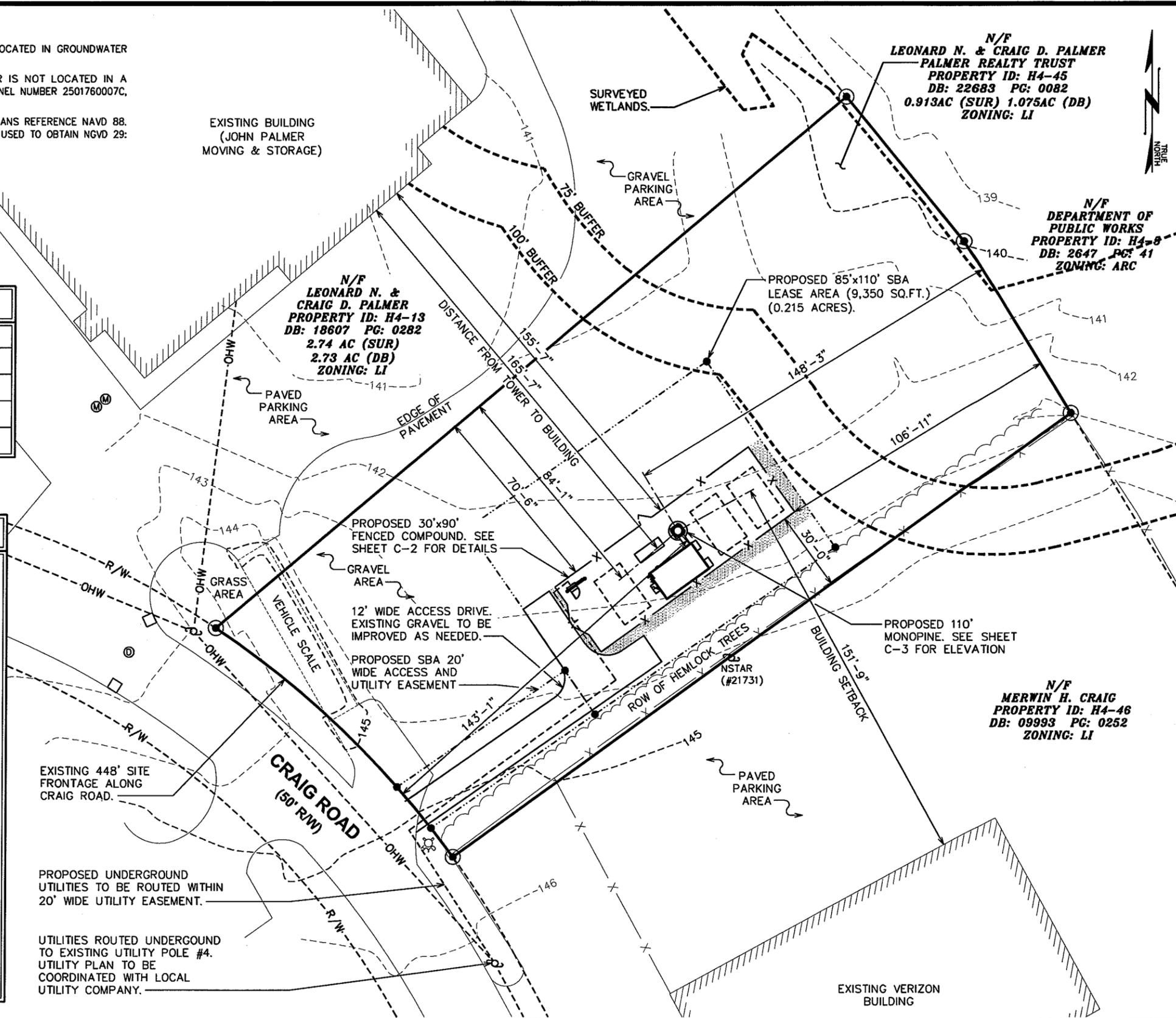
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- ⊕ EXIST. UTILITY POLE
- ⊛ EXIST. LIGHT POLE
- ⊙ EXIST. HYDRANT
- ⊠ EXIST. TELCO PEDESTAL
- ⊙ EXIST. MANHOLE
- ⊙ EXIST. TELCO MANHOLE
- PROPERTY CORNER
- LEASE/EASE. CORNER
- - - 200' - - - EXIST. CONTOUR LINE
- EDGE OF PAVEMENT
- - - OHW - - - OVERHEAD WIRE
- - - R/W - - - RIGHT-OF-WAY
- x — CHAIN LINK FENCE
- ~ ~ ~ EXISTING TREE LINE

**SITE LAYOUT**

SCALE: 1" = 40'



APPLICANT/LESSEE:

**SBA**

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DRAWN BY: JHJ CHECKED BY: KSM

SHEET TITLE:

**SITE LAYOUT**

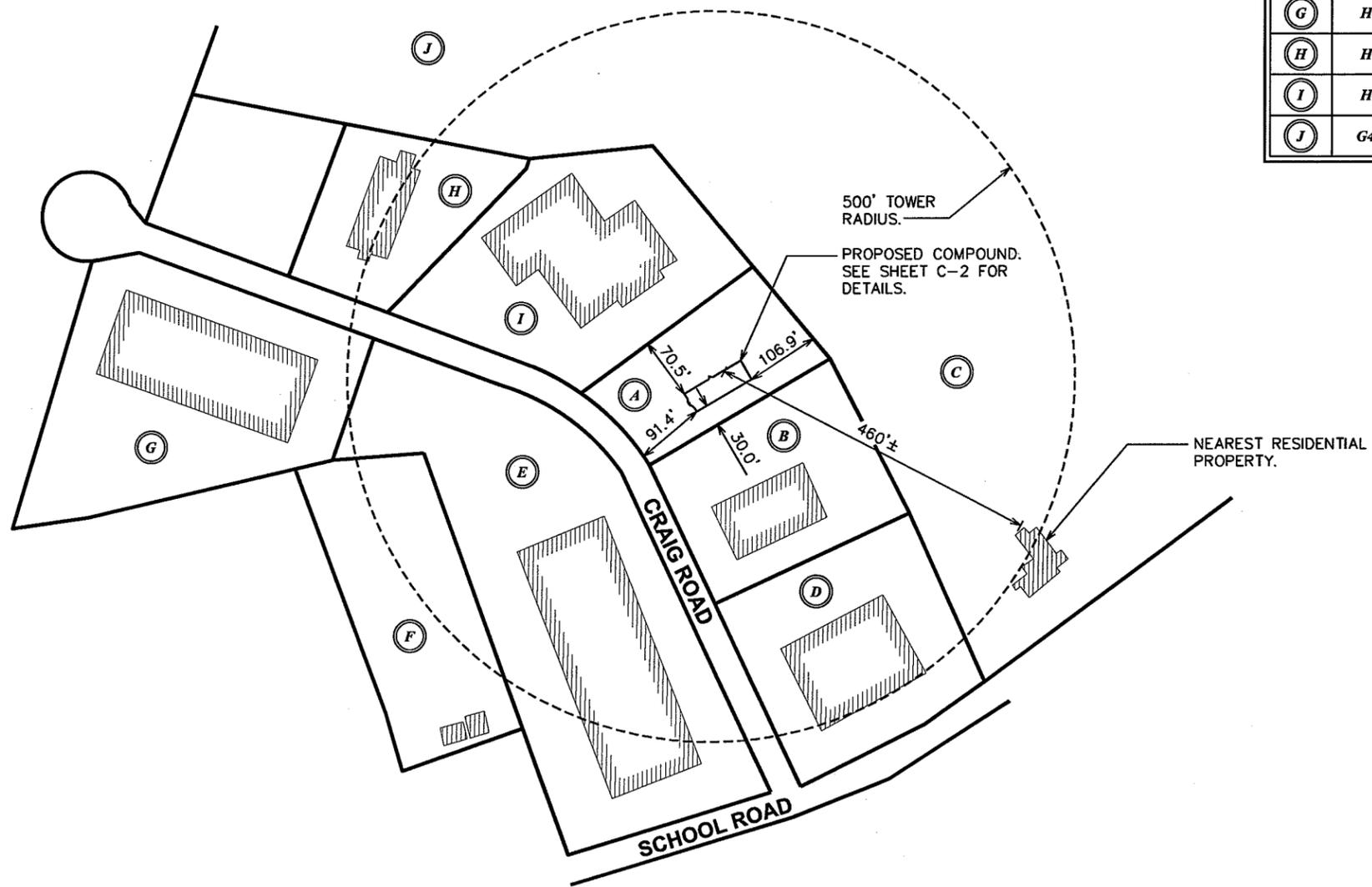
SHEET NUMBER: **C-1B**

REVISION: **14**

TEP #: 29864-5657

**NOTE:**

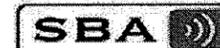
THE MAP SHOWN BELOW IS BASED ON INFORMATION TAKEN FROM THE TOWN OF ACTON, MA GEOGRAPHIC INFORMATION SYSTEM.



**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
(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

APPLICANT/LESSEE:



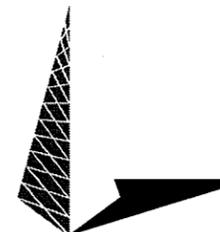
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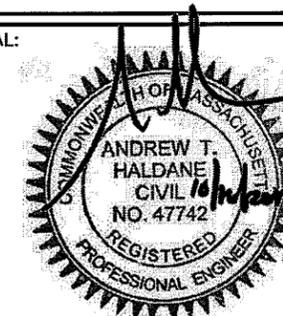
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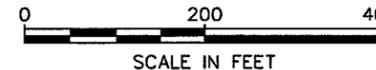
**PROPERTY OWNERS**

SHEET NUMBER: REVISION:

**C-1C** 14  
TEP #: 29864-5657

**PROPERTY OWNERS**

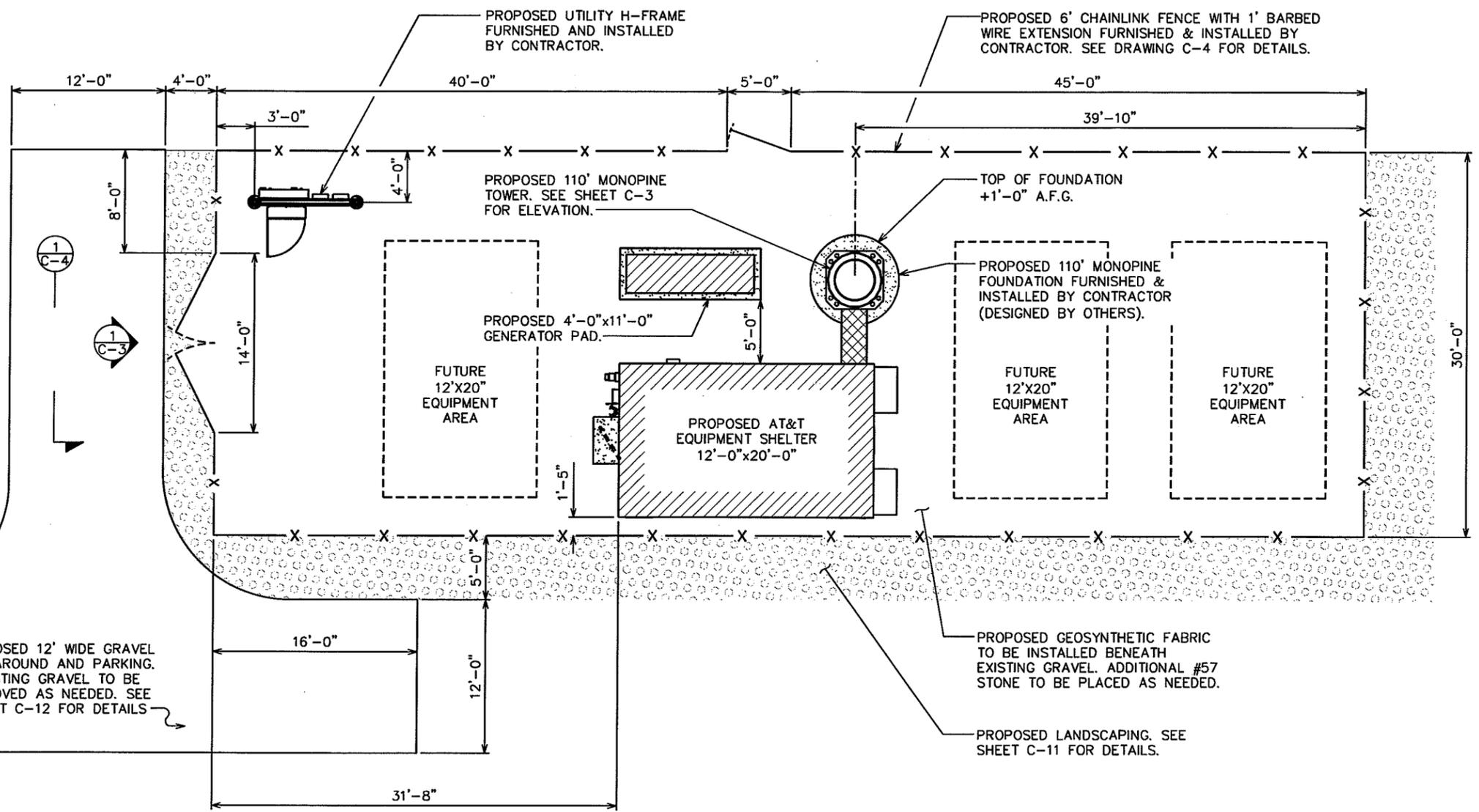
SCALE: 1" = 200'



**NOTE:**

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

EXISTING GRAVEL AREA

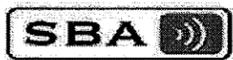


PROPOSED 12' WIDE GRAVEL TURNAROUND AND PARKING. EXISTING GRAVEL TO BE IMPROVED AS NEEDED. SEE SHEET C-12 FOR DETAILS

PROPOSED GEOSYNTHETIC FABRIC TO BE INSTALLED BENEATH EXISTING GRAVEL. ADDITIONAL #57 STONE TO BE PLACED AS NEEDED.

PROPOSED LANDSCAPING. SEE SHEET C-11 FOR DETAILS.

APPLICANT/LESSEE:



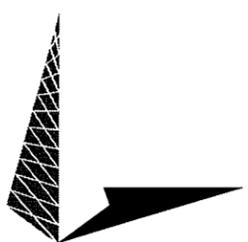
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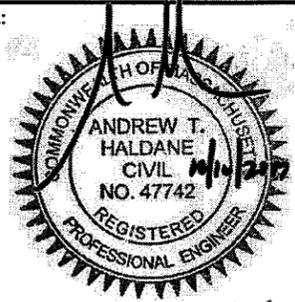
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**ENLARGED  
SITE PLAN**

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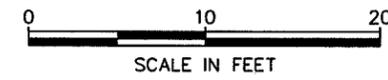
**C-2**

**14**

TEP #: 29864-5657

**ENLARGED SITE PLAN**

SCALE: 1" = 10'



PROPOSED T-ARM MOUNTED ANTENNAS BY AT&T.

- 110'-0" T/BRANCHES
- 105'-0" T/AT&T ANTENNAS
- 100'-0" T/STEEL AT&T ANTENNAS

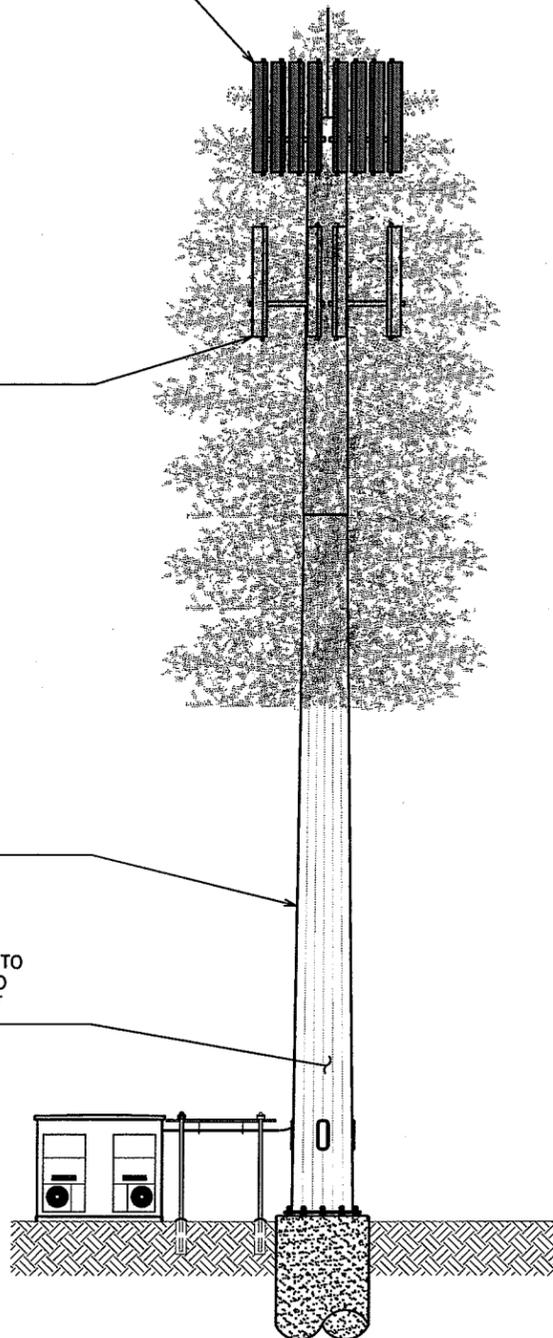
- 85'-0" FUT. ANTENNAS

FUTURE ANTENNA BY OTHERS.

PROPOSED MONOPINE TOWER.

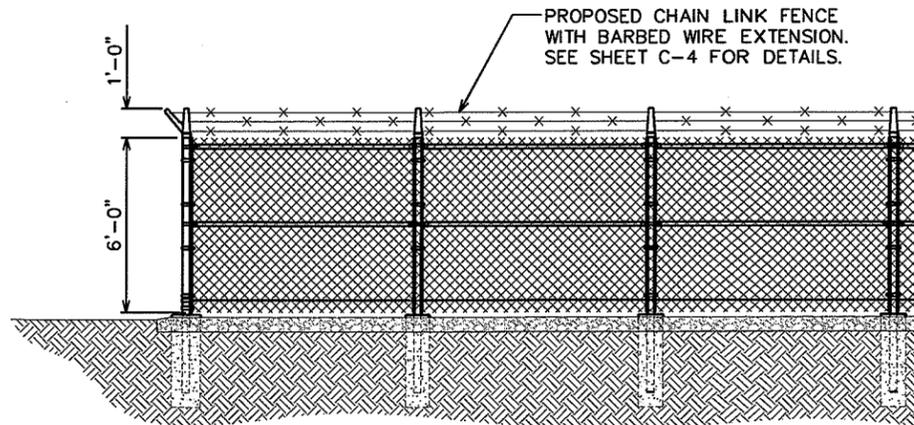
PROPOSED MONOPINE TO BE PAINTED BROWN TO BOTTOM BRANCHES OF MONOPINE.

- 0'-0" (REFERENCE) T/BASE PLATE



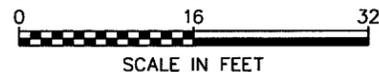
**TOWER NOTES:**

1. TOWER SHALL NOT BE ILLUMINATED PER BYLAW SECTION 3.10.6.3.
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.
7. APPROXIMATE MAXIMUM DIAMETER OF ANTENNAS = 16'-0", VERIFY WITH TOWER MANUFACTURER.
8. APPROXIMATE MONOPINE BRANCH DIAMETER= 9'-0", VERIFY WITH TOWER MANUFACTURER.



**ELEVATION VIEW**

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



**ELEVATION VIEW @ FENCE CORNERS**

SCALE: N.T.S.

APPLICANT/LESSEE:



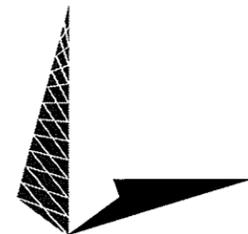
5900 BROKEN SOUND PARKWAY NW  
BOCA RATON, FL 33487  
OFFICE: (561) 226-9332

PROJECT INFORMATION:

**ACTON 2  
(MA-11845-S)**

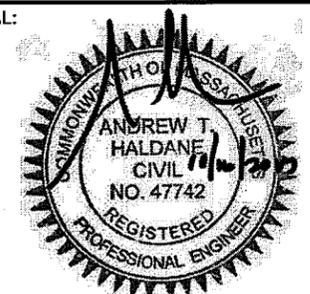
5 - 7 CRAIG ROAD  
ACTON, MA 01720  
(MIDDLESEX COUNTY)

PLANS PREPARED BY:



**TOWER ENGINEERING PROFESSIONALS**  
3703 JUNCTION BOULEVARD  
RALEIGH, NC 27603-5263  
OFFICE: (919) 661-6351  
www.tepgroup.net

SEAL:



October 16, 2013

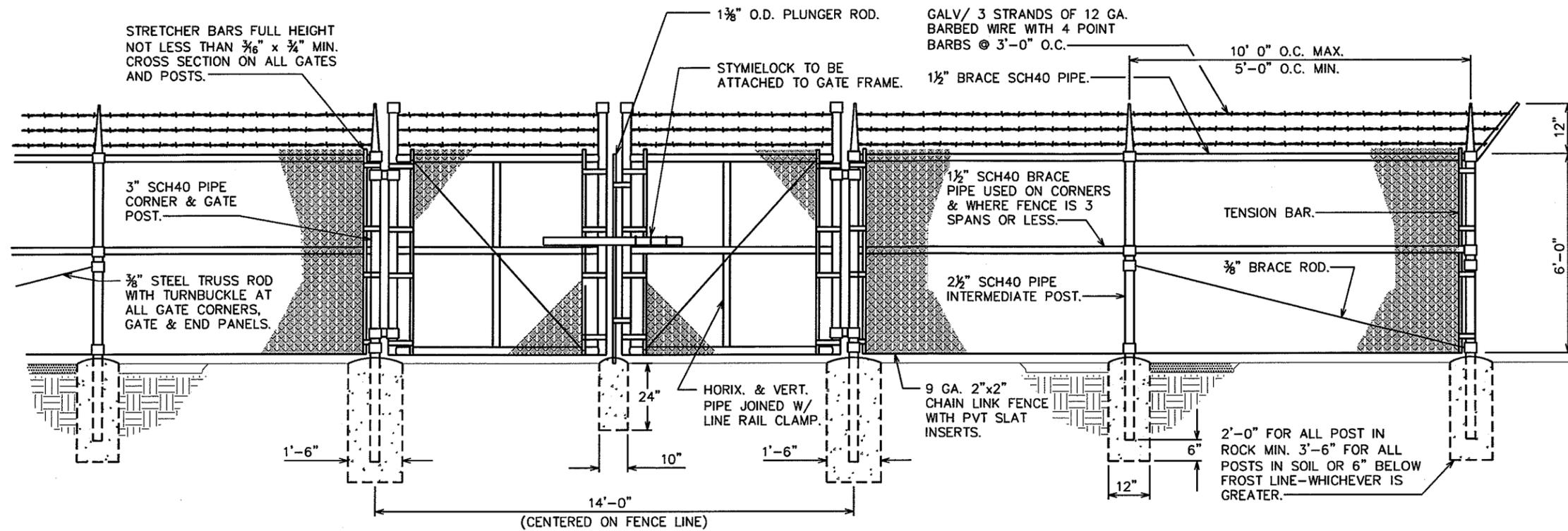
14	10-16-13	FINAL ZONING
13	06-10-13	FINAL ZONING
12	05-28-10	FINAL ZONING
11	05-03-10	FINAL ZONING
REV	DATE	ISSUED FOR:

DRAWN BY: JHJ CHECKED BY: KSM

SHEET TITLE:

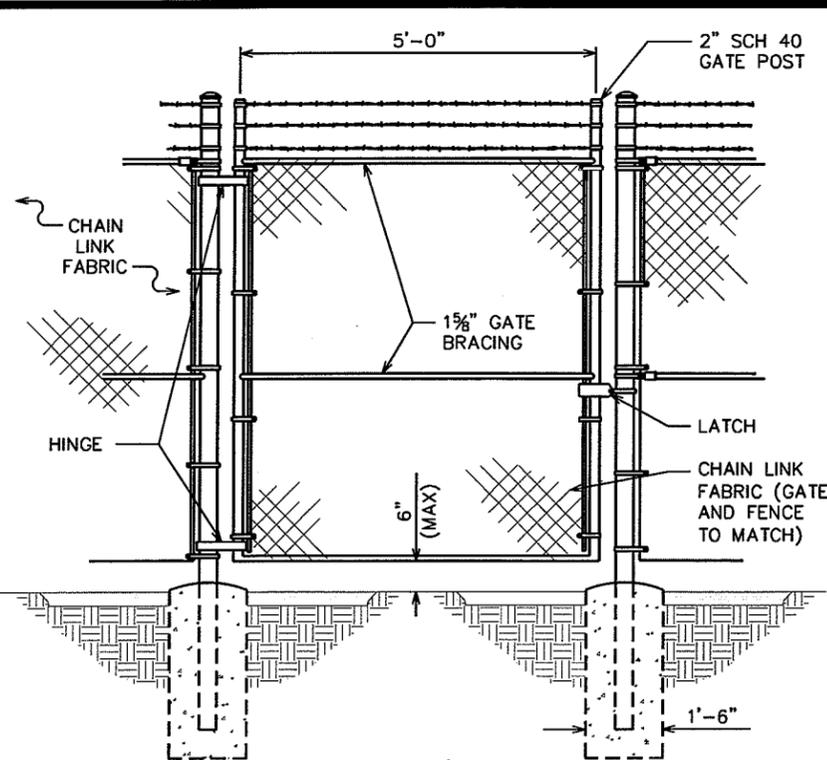
**SITE  
ELEVATION**

SHEET NUMBER:	REVISION:
<b>C-3</b>	<b>14</b>
	TEP #: 29864-5657



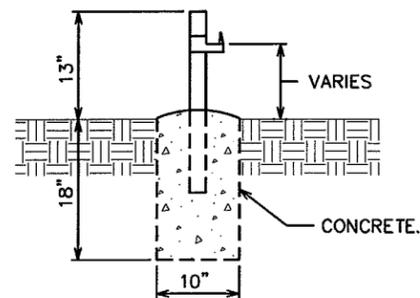
**TYPICAL FENCE ELEVATION**

SCALE: N.T.S.



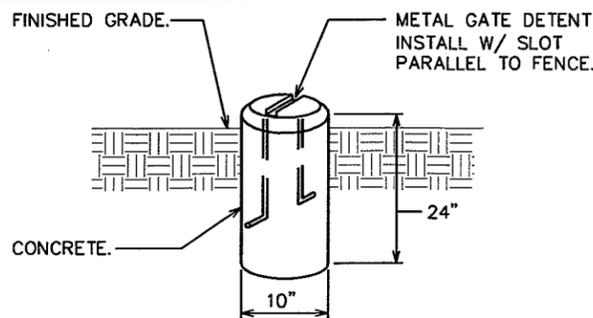
**TYPICAL MAN GATE DETAIL**

SCALE: N.T.S.



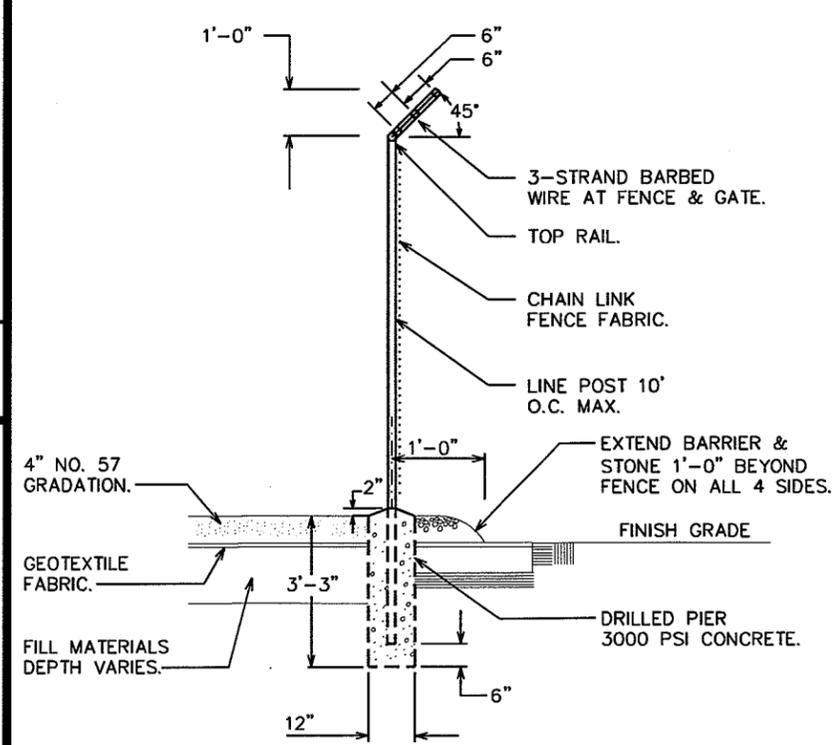
**GATE STOP / KEEPER DETAIL**

SCALE: N.T.S.



**GATE DETENT DETAIL**

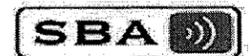
SCALE: N.T.S.



**FENCE / BARBED WIRE ARM DETAIL**

SCALE: N.T.S.

APPLICANT/LESSEE:



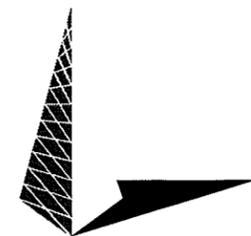
5900 BROKEN SOUND PARKWAY NW  
BOCA RATON, FL 33487  
OFFICE: (561) 226-9332

PROJECT INFORMATION:

**ACTON 2  
(MA-11845-S)**

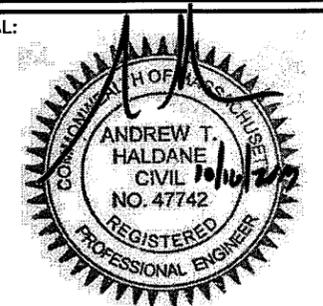
5 - 7 CRAIG ROAD  
ACTON, MA 01720  
(MIDDLESEX COUNTY)

PLANS PREPARED BY:



**TOWER ENGINEERING PROFESSIONALS**  
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October 16, 2013

14	10-16-13	FINAL ZONING
13	06-10-13	FINAL ZONING
12	05-28-10	FINAL ZONING
11	05-03-10	FINAL ZONING
REV	DATE	ISSUED FOR:

DRAWN BY: JHJ CHECKED BY: KSM

SHEET TITLE:

**FENCE  
DETAILS**

SHEET NUMBER: REVISION:

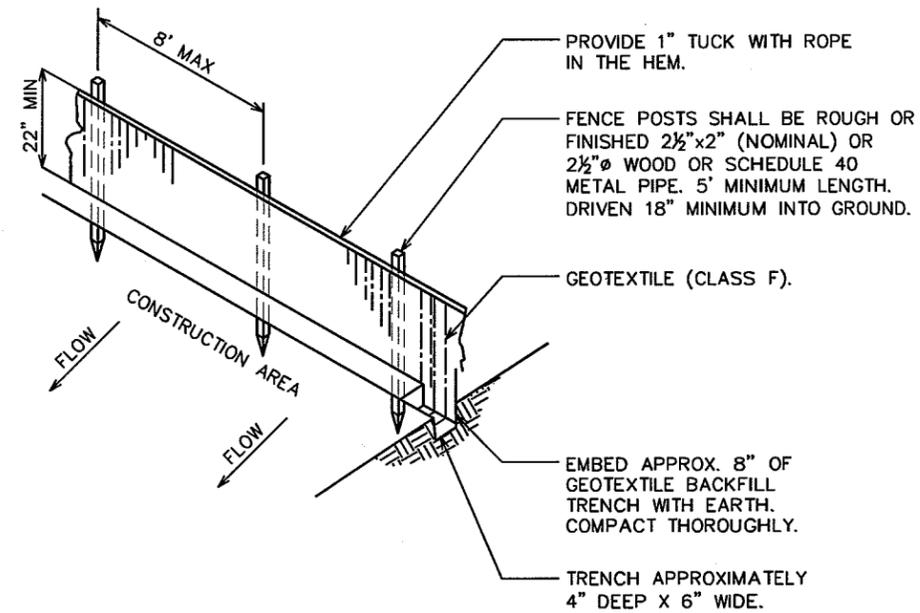
**C-4**

**14**

TEP #: 29864-5657

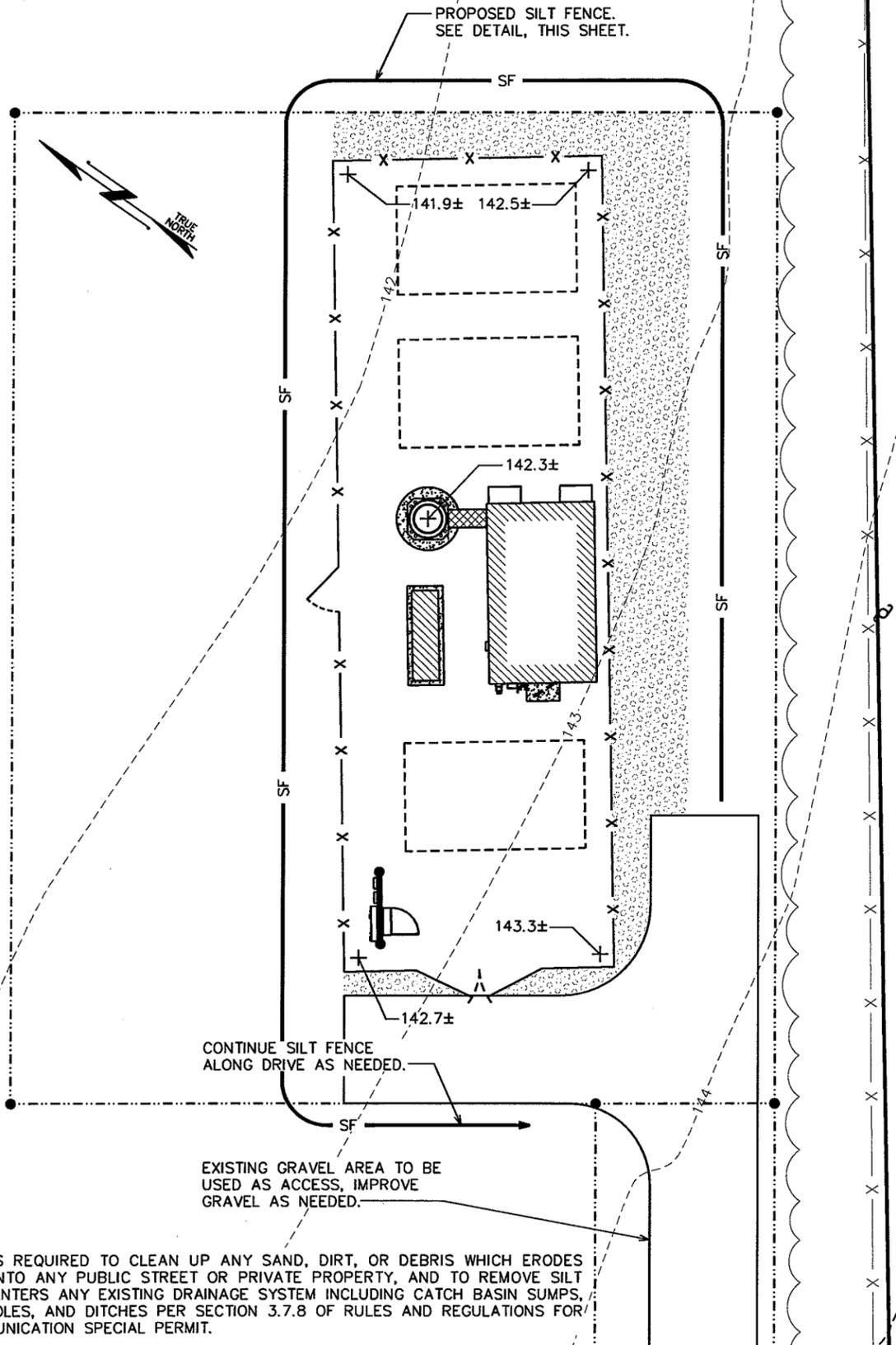
**NOTES:**

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.

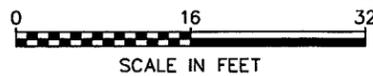


**NOTE:**

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.

**GRADING PLAN**

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



APPLICANT/LESSEE:



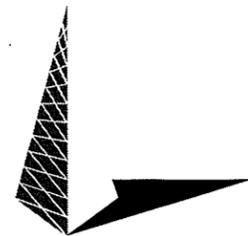
5900 BROKEN SOUND PARKWAY NW  
BOCA RATON, FL 33487  
OFFICE: (561) 226-9332

PROJECT INFORMATION:

**ACTON 2  
(MA-11845-S)**

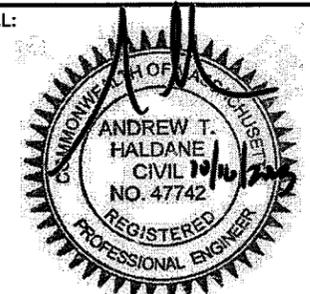
5 - 7 CRAIG ROAD  
ACTON, MA 01720  
(MIDDLESEX COUNTY)

PLANS PREPARED BY:



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RALEIGH, NC 27603-5263  
OFFICE: (919) 661-6351  
www.tepgroup.net

SEAL:



October 16, 2013

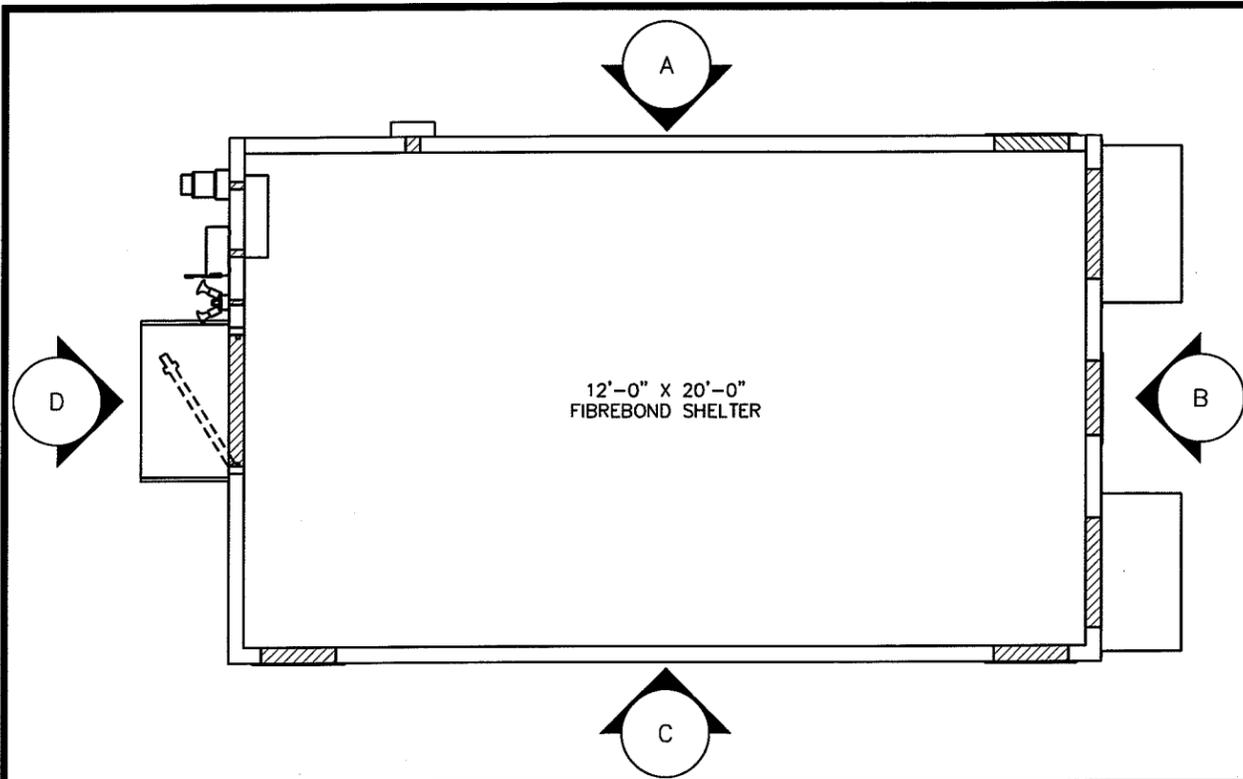
14	10-16-13	FINAL ZONING
13	06-10-13	FINAL ZONING
12	05-28-10	FINAL ZONING
11	05-03-10	FINAL ZONING
REV	DATE	ISSUED FOR:

DRAWN BY: JHJ CHECKED BY: KSM

SHEET TITLE:

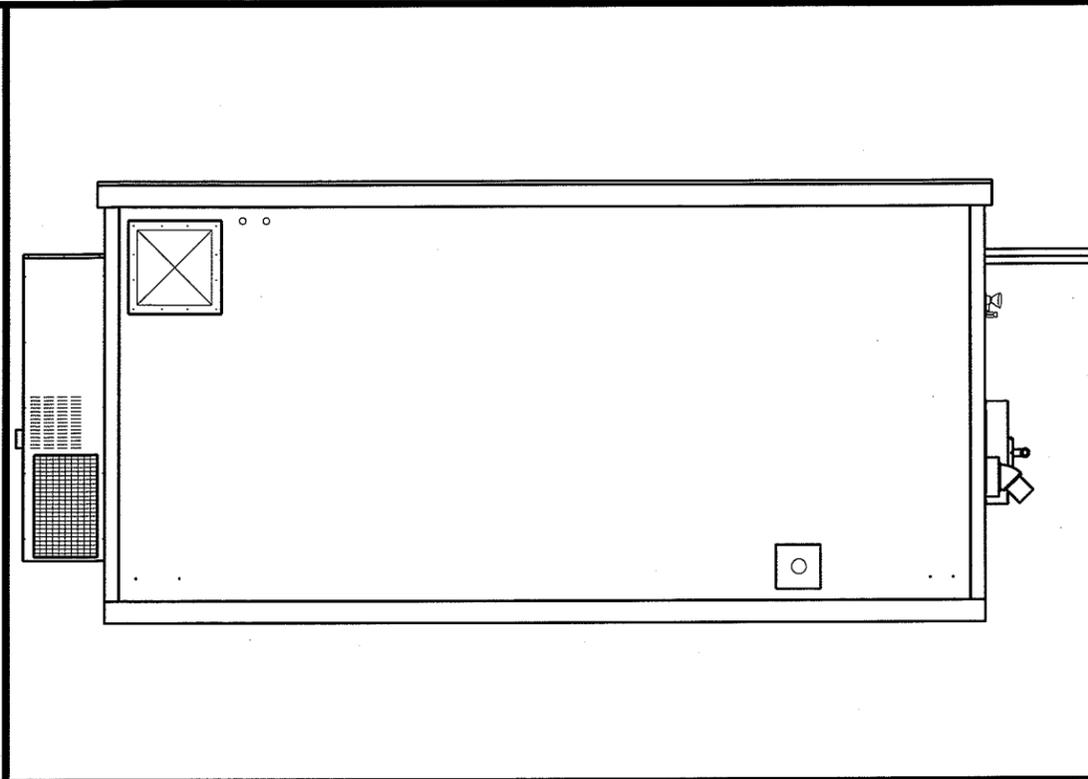
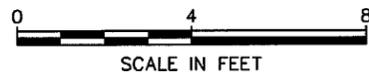
**SOIL EROSION  
AND CONTROL  
PLAN**

SHEET NUMBER: <b>C-5</b>	REVISION: <b>14</b> TEP #: 29864-5657
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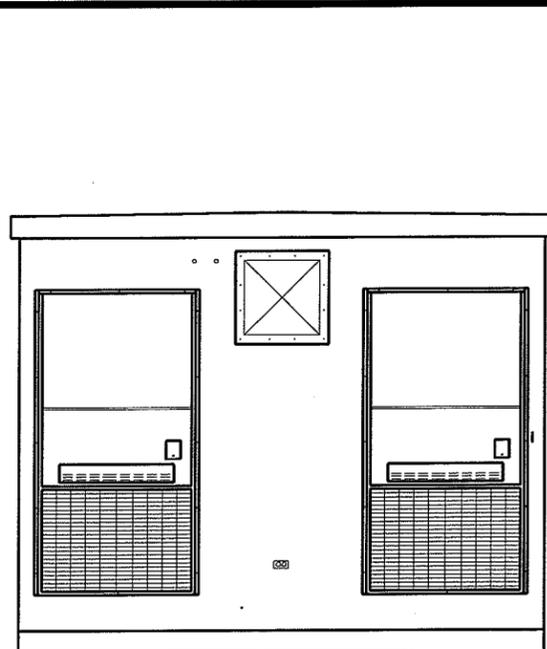
**EQUIPMENT LAYOUT**

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



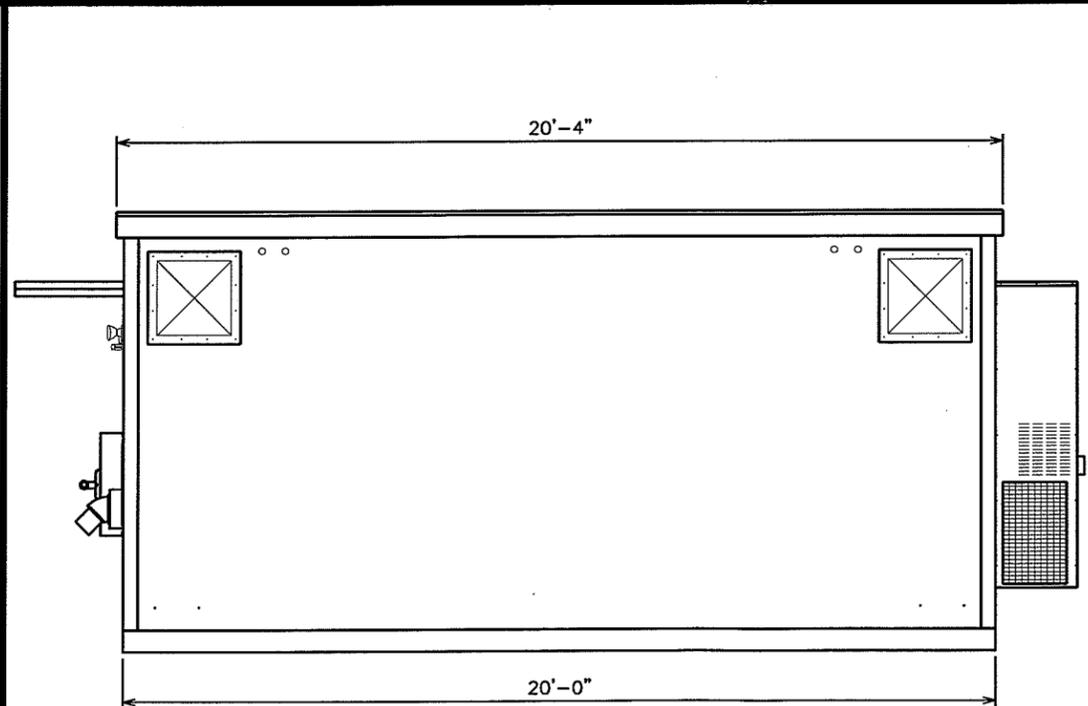
**ELEVATION A**

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



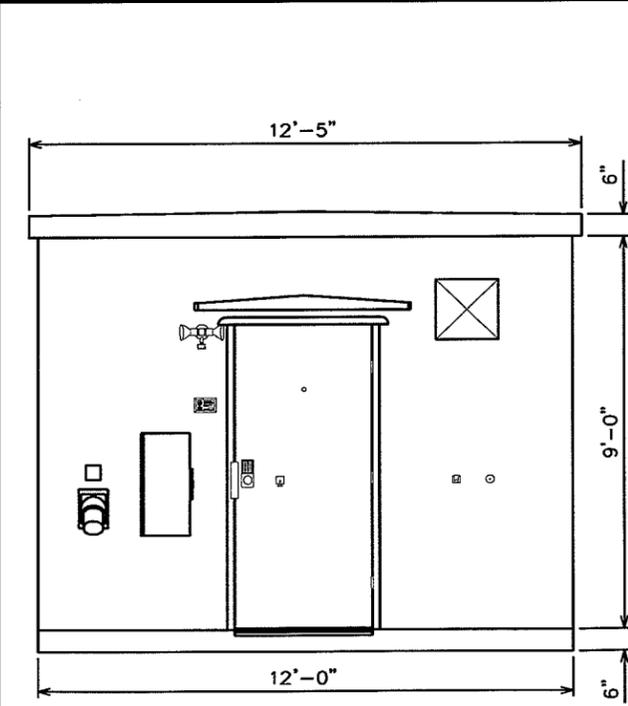
**ELEVATION B**

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



**ELEVATION C**

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



**ELEVATION D**

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

APPLICANT/LESSEE:



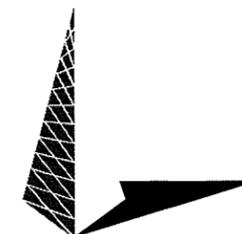
5900 BROKEN SOUND PARKWAY NW  
BOCA RATON, FL 33487  
OFFICE: (561) 226-9332

PROJECT INFORMATION:

**ACTON 2  
(MA-11845-S)**

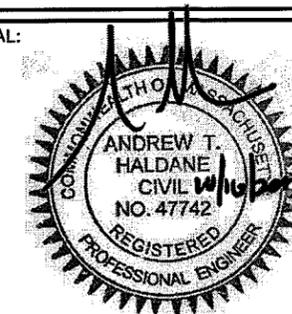
5 - 7 CRAIG ROAD  
ACTON, MA 01720  
(MIDDLESEX COUNTY)

PLANS PREPARED BY:



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RALEIGH, NC 27603-5263  
OFFICE: (919) 661-6351  
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October 16, 2013

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11	05-03-10	FINAL ZONING
REV	DATE	ISSUED FOR:

DRAWN BY: JHJ CHECKED BY: KSM

SHEET TITLE:

**AT&T SHELTER  
ELEVATIONS**

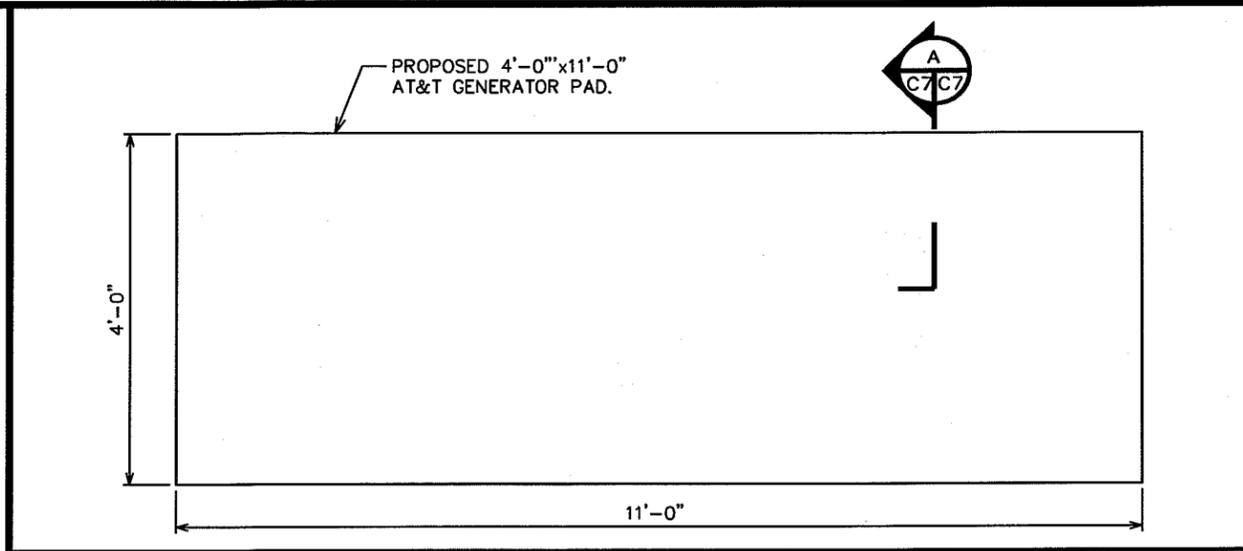
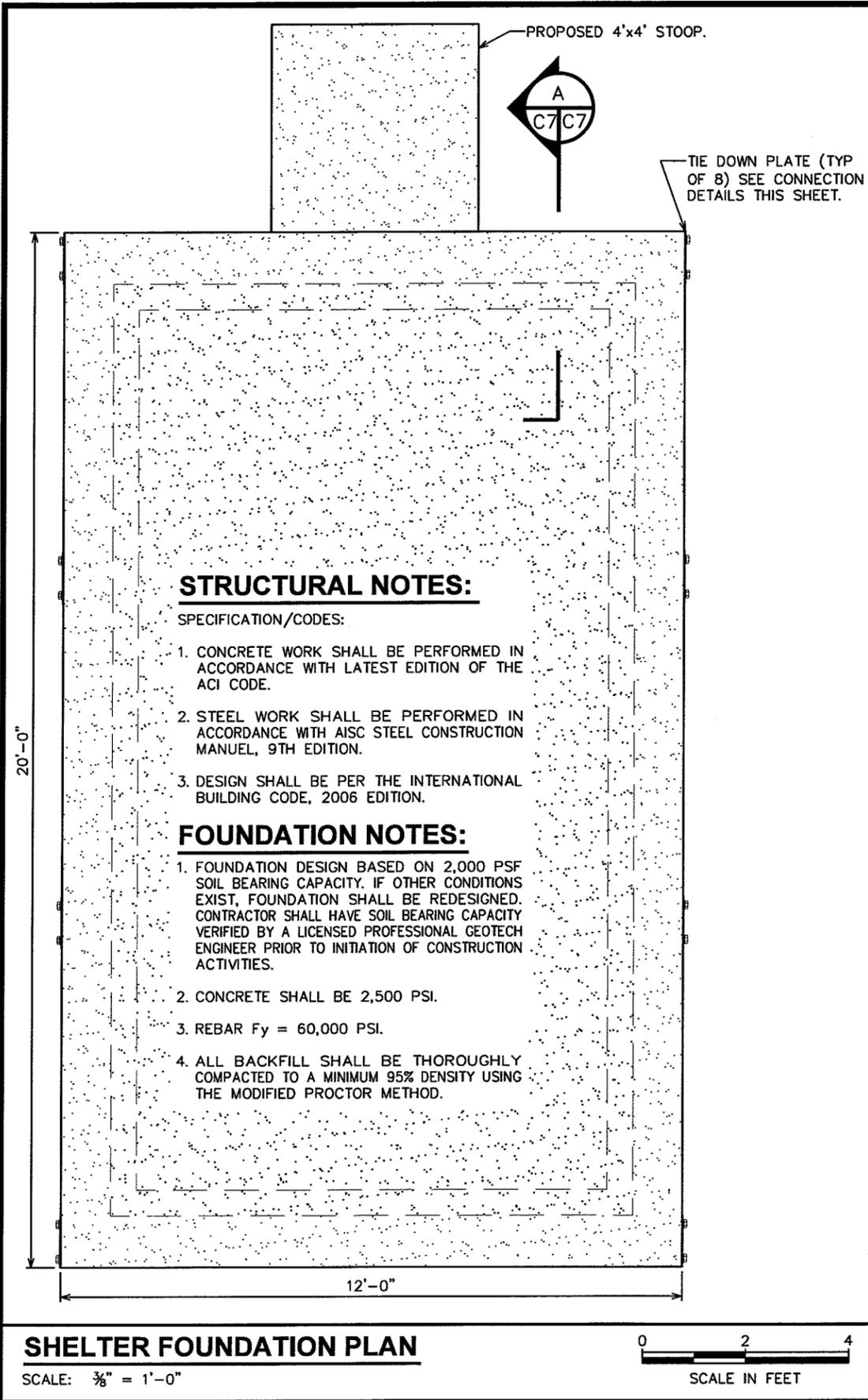
SHEET NUMBER:

**C-6**

REVISION:

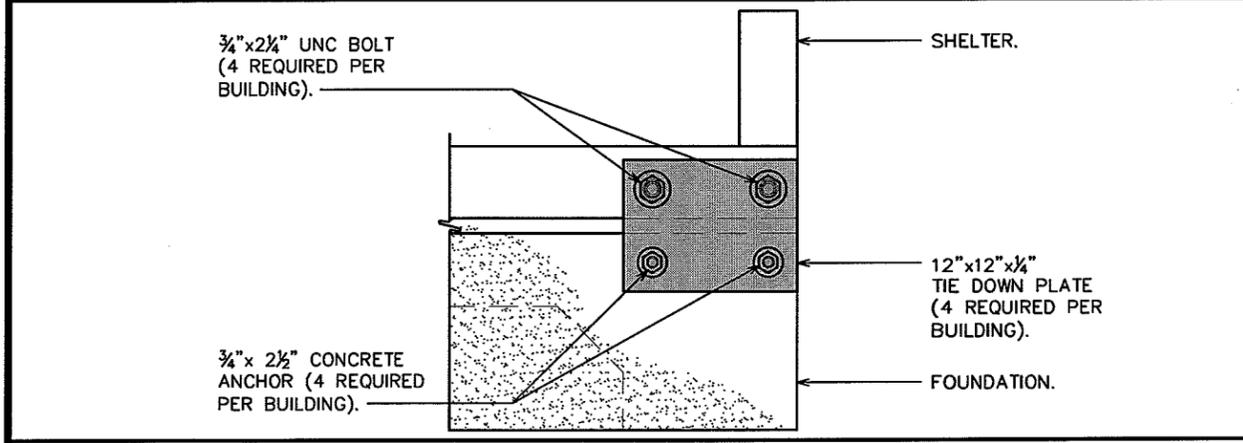
**14**

TEP #: 29864-5657



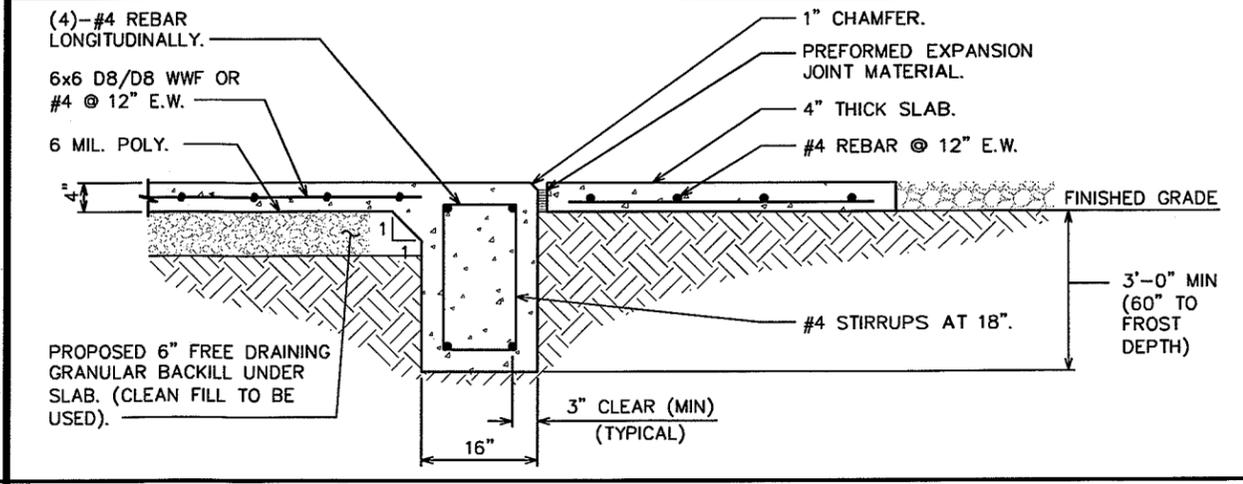
**GENERATOR FOUNDATION PLAN**  
SCALE:  $\frac{1}{2}'' = 1'-0''$

0 2 4  
SCALE IN FEET



**CONNECTION DETAIL**  
SCALE:  $\frac{3}{8}'' = 1'-0''$

0 2 4  
SCALE IN FEET



**PAD SECTION**  
SCALE:  $\frac{1}{2}'' = 1'-0''$

0 2 4  
SCALE IN FEET

APPLICANT/LESSEE:  
**SBA**  
5900 BROKEN SOUND PARKWAY NW  
BOCA RATON, FL 33487  
OFFICE: (561) 226-9332

PROJECT INFORMATION:  
**ACTON 2 (MA-11845-S)**  
5 - 7 CRAIG ROAD  
ACTON, MA 01720  
(MIDDLESEX COUNTY)

PLANS PREPARED BY:  
  
**TOWER ENGINEERING PROFESSIONALS**  
3703 JUNCTION BOULEVARD  
RALEIGH, NC 27603-5263  
OFFICE: (919) 661-6351  
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SEAL:  
  
October 16, 2013

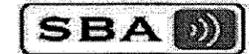
REV	DATE	ISSUED FOR:
14	10-16-13	FINAL ZONING
13	06-10-13	FINAL ZONING
12	05-28-10	FINAL ZONING
11	05-03-10	FINAL ZONING

DRAWN BY: JHJ CHECKED BY: KSM

SHEET TITLE:  
**AT&T SHELTER FOUNDATION DETAILS**

SHEET NUMBER: **C-7** REVISION: **14**  
TEP #: 29864-5657

APPLICANT/LESSEE:



5900 BROKEN SOUND PARKWAY NW  
BOCA RATON, FL 33487  
OFFICE: (561) 226-9332

PROJECT INFORMATION:

**ACTON 2  
(MA-11845-S)**

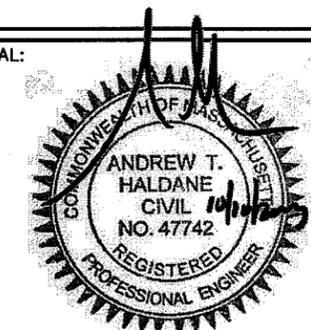
5 - 7 CRAIG ROAD  
ACTON, MA 01720  
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11	05-03-10	FINAL ZONING
REV	DATE	ISSUED FOR:

DRAWN BY: JHJ | CHECKED BY: KSM

SHEET TITLE:

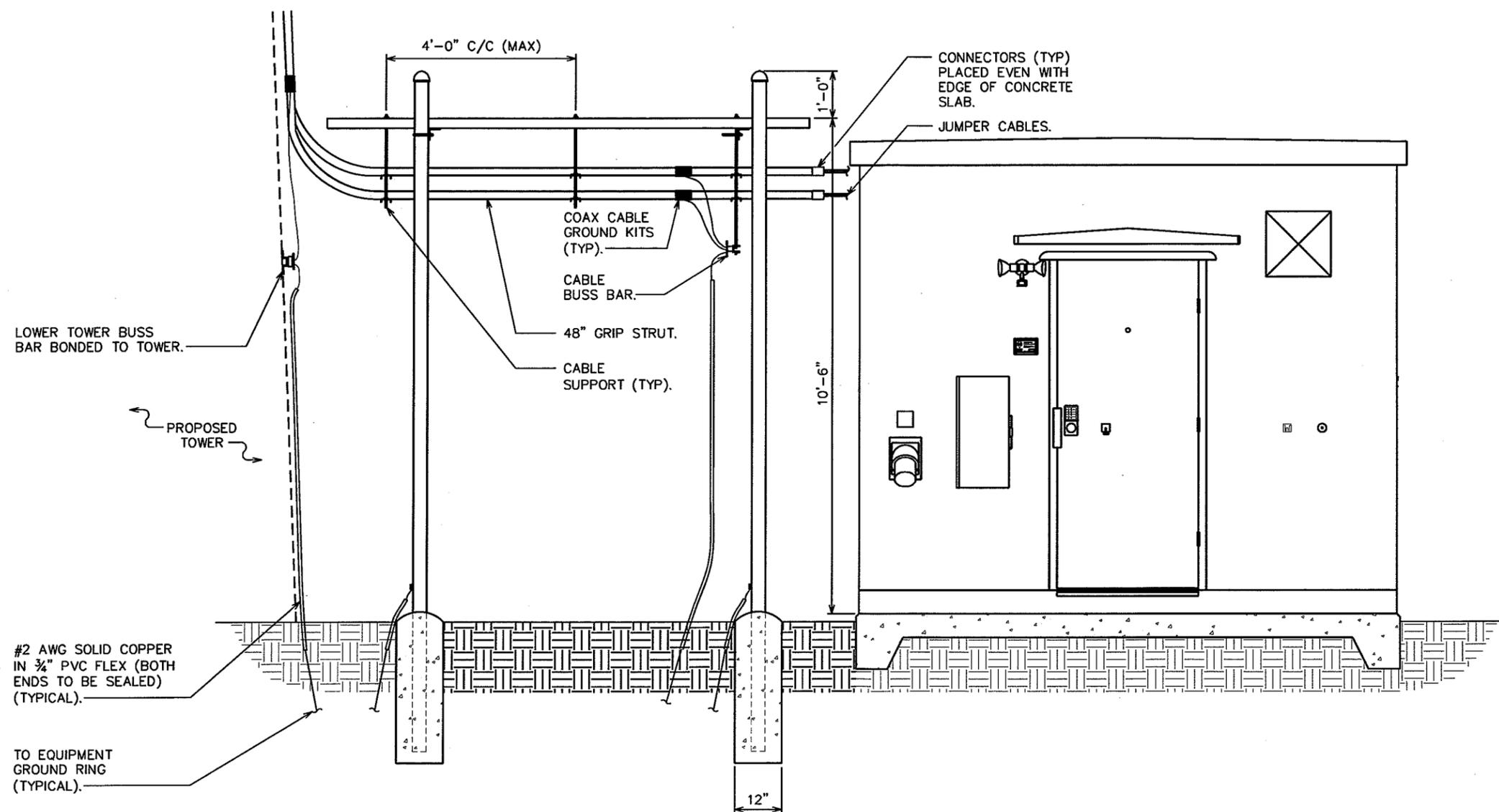
**ICE BRIDGE DETAILS  
(SIDE VIEW)**

SHEET NUMBER: | REVISION:

**C-8**

**14**

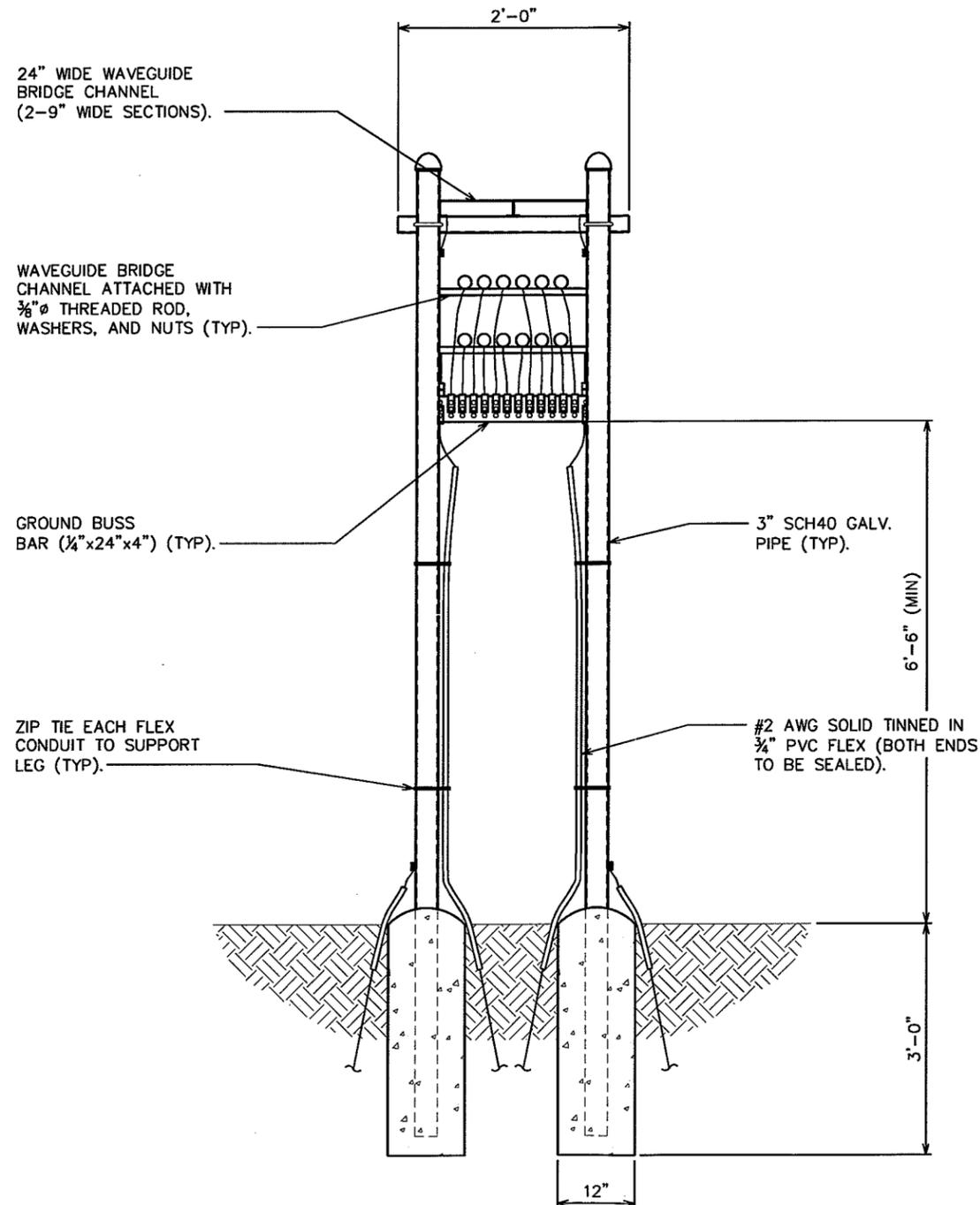
TEP #: 29864-5657



**ICE BRIDGE DETAILS (SIDE VIEW)**

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





**ICE BRIDGE DETAILS (FRONT VIEW)**

SCALE: N.T.S.

APPLICANT/LESSEE:



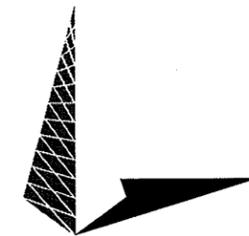
5900 BROKEN SOUND PARKWAY NW  
BOCA RATON, FL 33487  
OFFICE: (561) 226-9332

PROJECT INFORMATION:

**ACTON 2  
(MA-11845-S)**

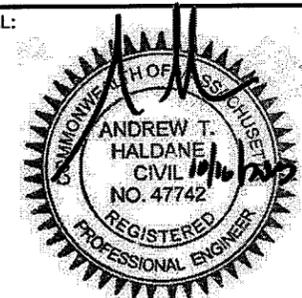
5 - 7 CRAIG ROAD  
ACTON, MA 01720  
(MIDDLESEX COUNTY)

PLANS PREPARED BY:



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11	05-03-10	FINAL ZONING
REV	DATE	ISSUED FOR:

DRAWN BY: JHJ CHECKED BY: KSM

SHEET TITLE:

**ICE BRIDGE DETAIL  
(FRONT VIEW)**

SHEET NUMBER:

**C-9**

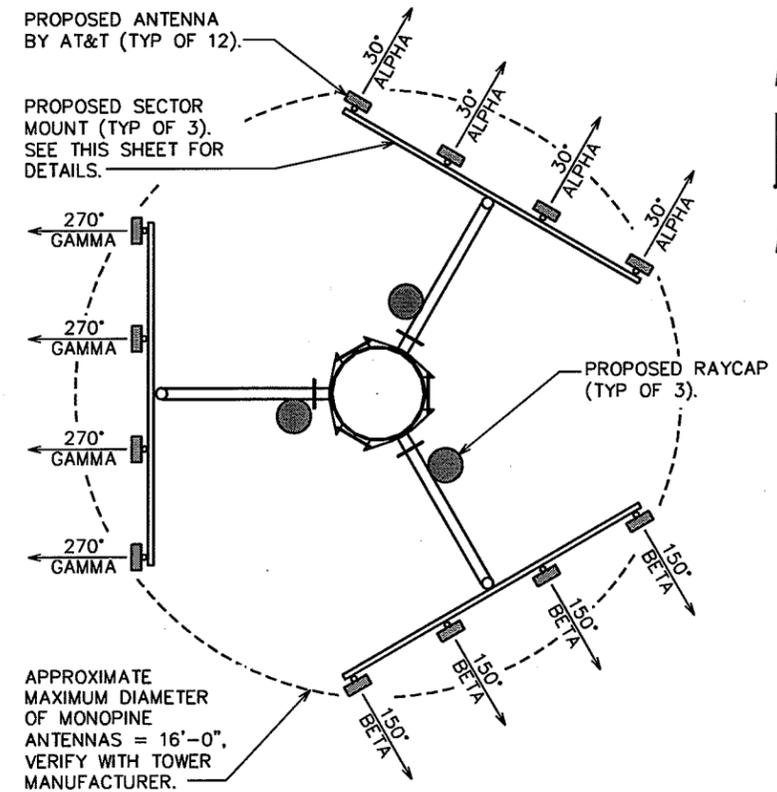
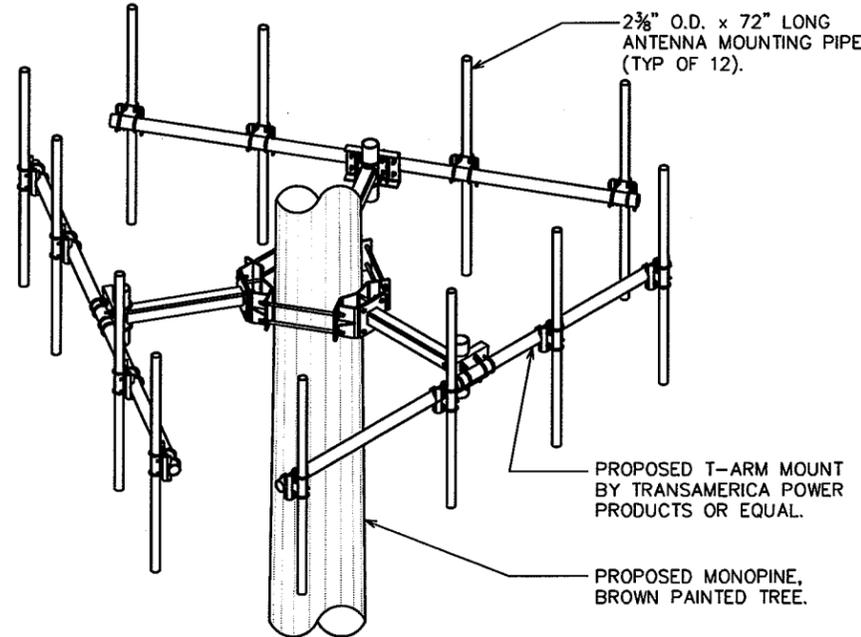
REVISION:

**14**

TEP #: 29864-5657

**NOTES:**

1. AN EQUIVALENT ANTENNA MOUNT IS ACCEPTABLE WITH APPROVAL FROM THE SBA PROJECT MANAGER.
2. VERIFY MONOPINE DIAMETER WITH TOWER MANUFACTURER.
3. APPROXIMATE MAXIMUM DIAMETER OF ANTENNAS = 16'-0", VERIFY WITH TOWER MANUFACTURER.



**MOUNT ORIENTATION**

SCALE: N.T.S.

**PROPOSED ANTENNA/COAX SCHEDULE**

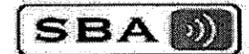
ANTENNA	SECTOR	MANUFACTURER (MODEL #)	AZIMUTH (TRUE NORTH)	MOUNTING HEIGHT	CABLE	COAX LENGTH	MECH. D-TILT
A1	ALPHA	KMW AM-X-CD17-65-00T-RET	30°	℄ @ 100'-0"	(1) RET (1) FIBER (2) DC	110'-0"±	0°
A2	ALPHA	KMW AM-X-CD17-65-00T-RET	30°	℄ @ 100'-0"		110'-0"±	0°
A3	ALPHA	KMW AM-X-CD17-65-00T-RET	30°	℄ @ 100'-0"		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.

APPLICANT/LESSEE:



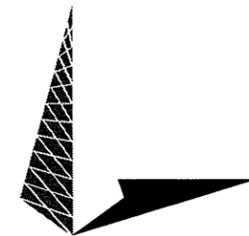
5900 BROKEN SOUND PARKWAY NW  
 BOCA RATON, FL 33487  
 OFFICE: (561) 226-9332

PROJECT INFORMATION:

**ACTON 2  
 (MA-11845-S)**

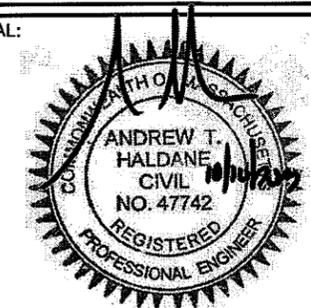
5 - 7 CRAIG ROAD  
 ACTON, MA 01720  
 (MIDDLESEX COUNTY)

PLANS PREPARED BY:



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 3703 JUNCTION BOULEVARD  
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REV	DATE	ISSUED FOR:

DRAWN BY: JHJ CHECKED BY: KSM

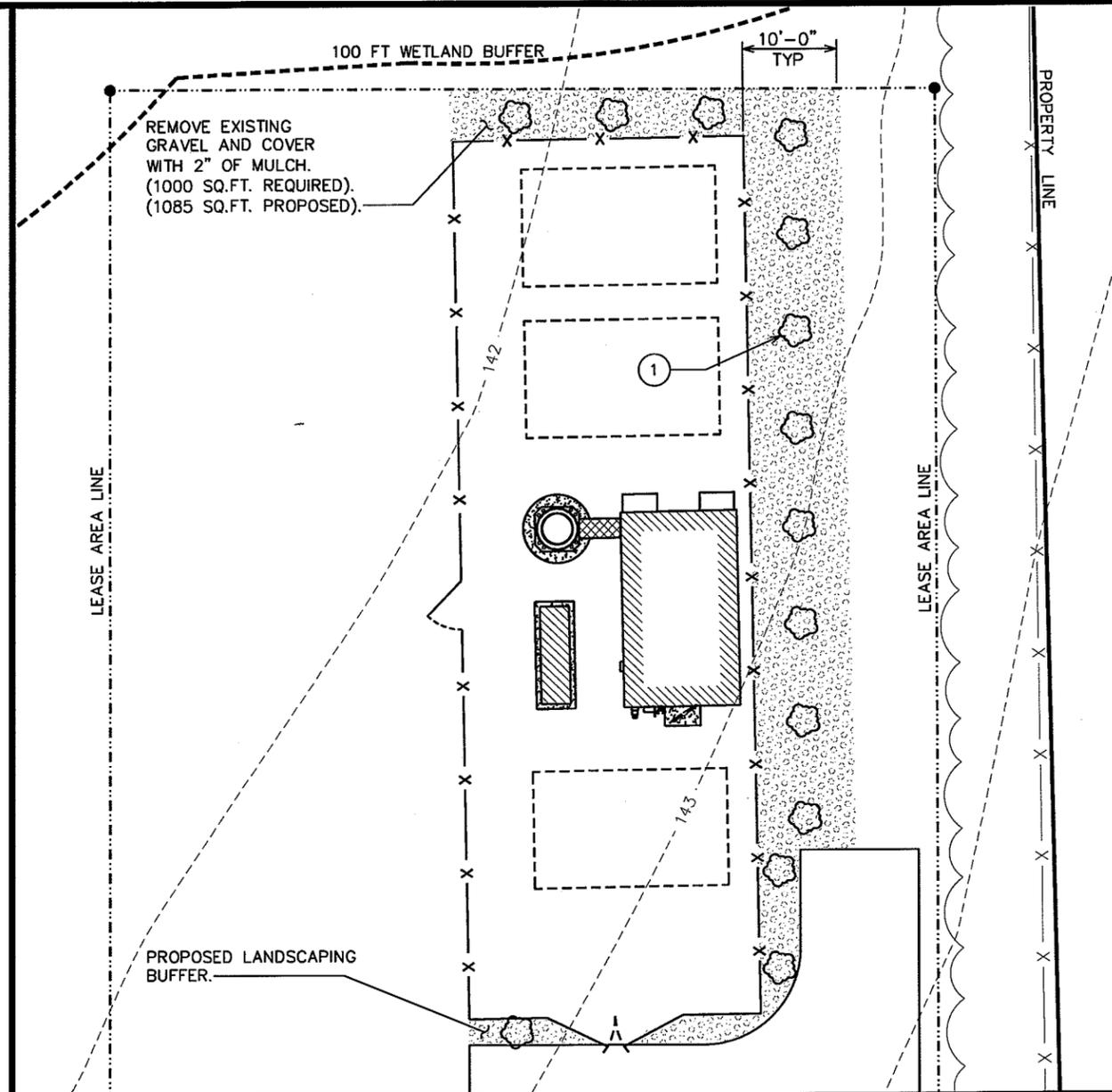
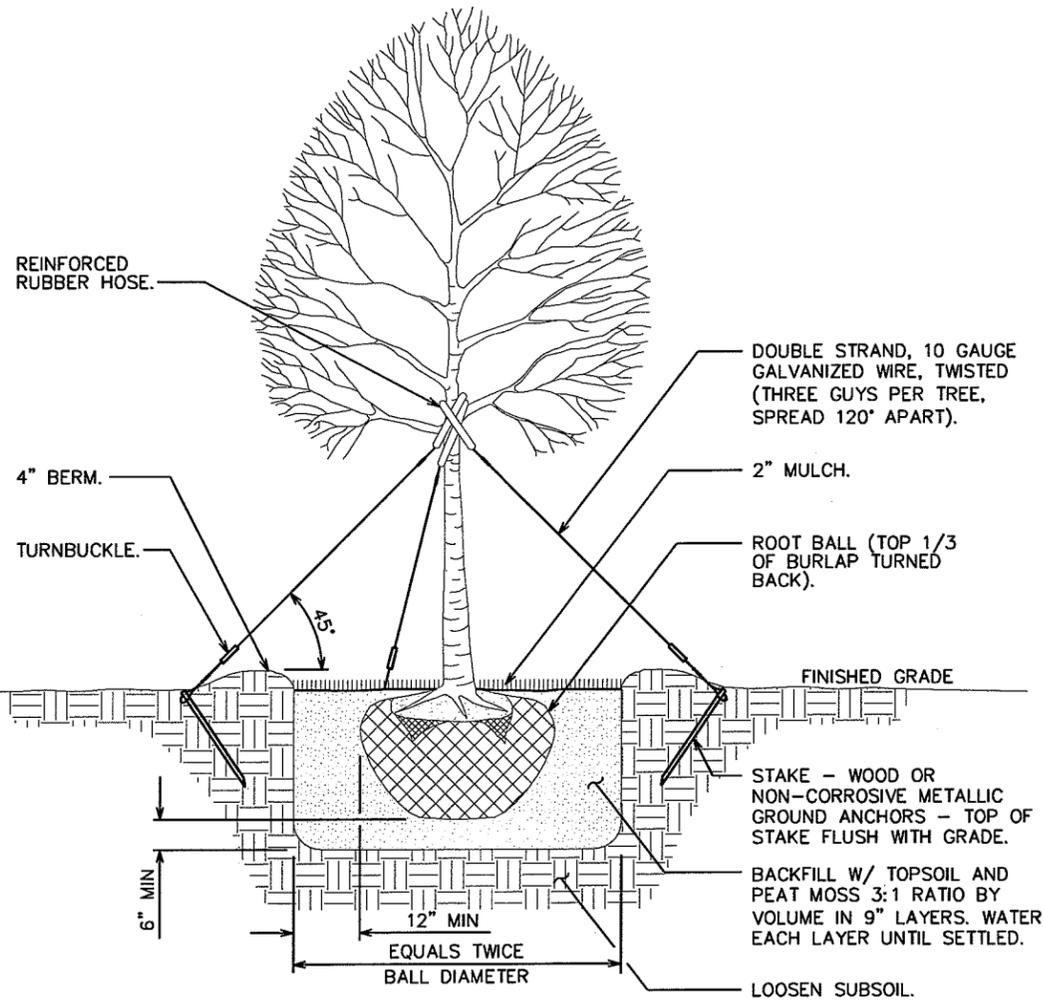
SHEET TITLE:

**ANTENNA MOUNT  
 DETAILS**

SHEET NUMBER:	REVISION:
<b>C-10</b>	<b>14</b>
	TEP #: 29864-5657

### LANDSCAPE GENERAL 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 PLAN

SCALE: N.T.S.

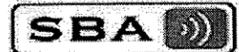
### PLANTING SCHEDULE

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

### LANDSCAPING DETAILS

SCALE: N.T.S.

APPLICANT/LESSEE:



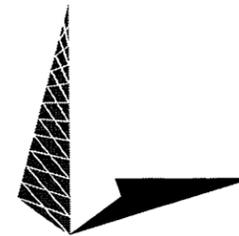
5900 BROKEN SOUND PARKWAY NW  
BOCA RATON, FL 33487  
OFFICE: (561) 226-9332

PROJECT INFORMATION:

**ACTON 2  
(MA-11845-S)**

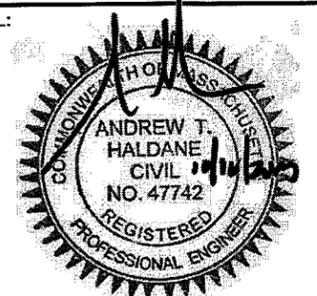
5 - 7 CRAIG ROAD  
ACTON, MA 01720  
(MIDDLESEX COUNTY)

PLANS PREPARED BY:



**TOWER ENGINEERING PROFESSIONALS**  
3703 JUNCTION BOULEVARD  
RALEIGH, NC 27603-5263  
OFFICE: (919) 661-6351  
www.tepgroup.net

SEAL:



October 16, 2013

14	10-16-13	FINAL ZONING
13	06-10-13	FINAL ZONING
12	05-28-10	FINAL ZONING
11	05-03-10	FINAL ZONING
REV	DATE	ISSUED FOR:

DRAWN BY: JHJ CHECKED BY: KSM

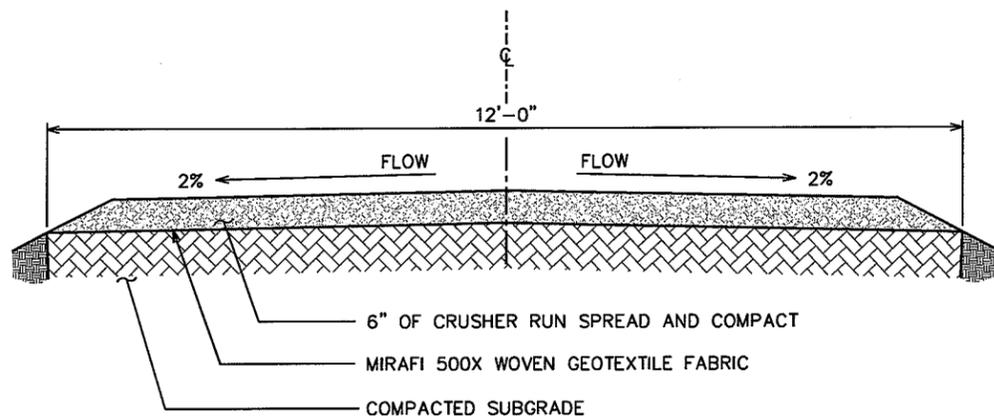
SHEET TITLE:

**LANDSCAPING  
DETAILS**

SHEET NUMBER: <b>C-11</b>	REVISION: <b>14</b> TEP #: 29864-5657
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**NOTE:**

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



**STANDARD ROAD SECTION**

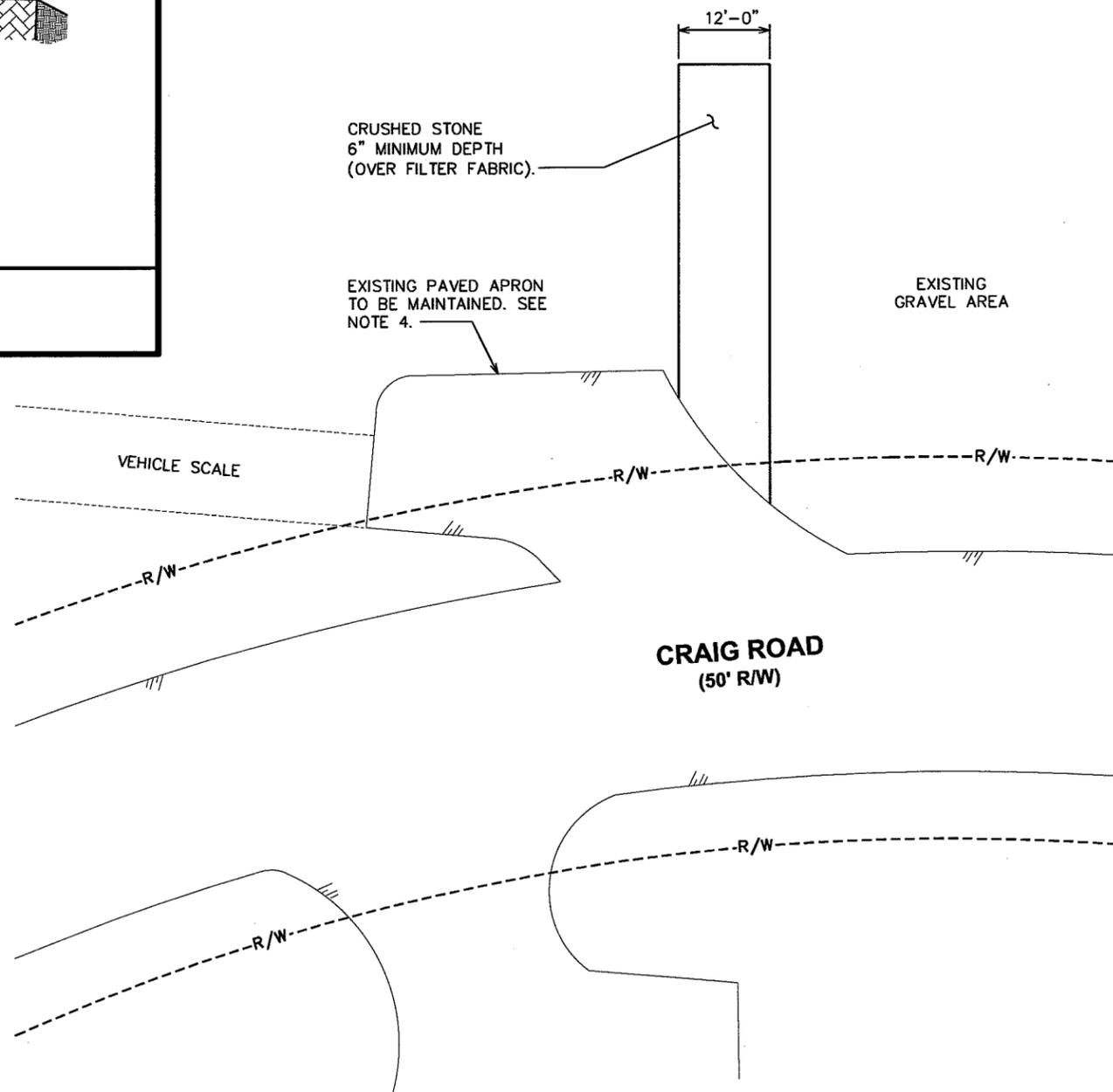
SCALE: N.T.S.

**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 ACCOMODATE 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.

**DRIVEWAY DETAILS**

SCALE: N.T.S.



APPLICANT/LESSEE:



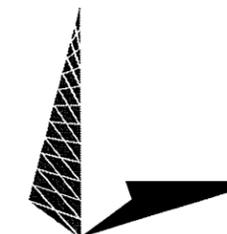
5900 BROKEN SOUND PARKWAY NW  
BOCA RATON, FL 33487  
OFFICE: (561) 226-9332

PROJECT INFORMATION:

**ACTON 2  
(MA-11845-S)**

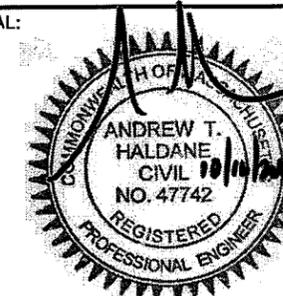
5 - 7 CRAIG ROAD  
ACTON, MA 01720  
(MIDDLESEX COUNTY)

PLANS PREPARED BY:



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SHEET TITLE:

**DRIVEWAY  
DETAILS**

SHEET NUMBER: REVISION:

**C-12**

**14**

TEP #: 29864-5657