

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.

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



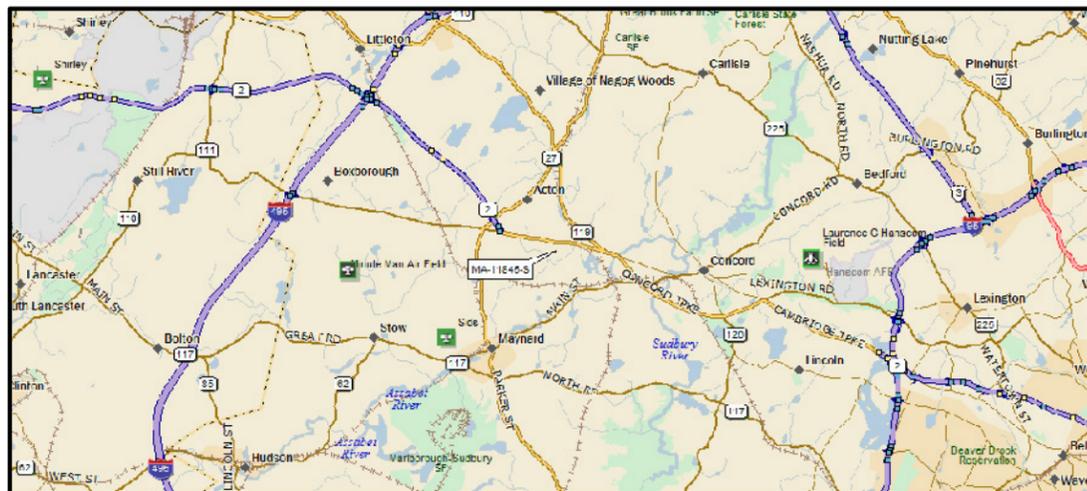
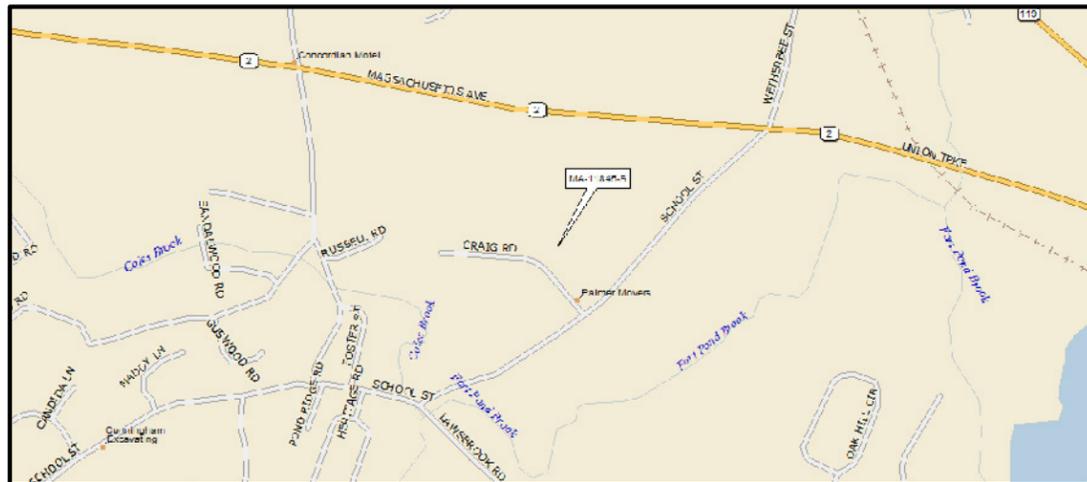
SITE NAME
ACTON 2

SBA SITE I.D.
MA-11845-S

E-911 ADDRESS (NOT CONFIRMED)
5 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:



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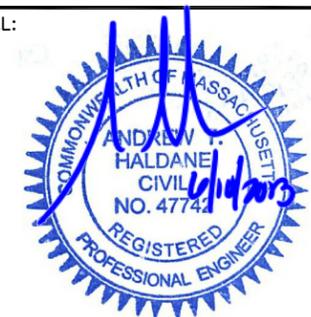
PLANS PREPARED BY:



TOWER ENGINEERING PROFESSIONALS

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 RALEIGH, NC 27603-5263
 OFFICE: (919) 661-6351
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SEAL:



June 10, 2013

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| 13 | 06-10-13 | FINAL ZONING |
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DRAWN BY: JHJ CHECKED BY: KSM

SHEET TITLE:

TITLE SHEET

| | |
|---------------|-------------------|
| SHEET NUMBER: | REVISION: |
| T-1 | 13 |
| | 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 | - | - | 3.65 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

*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" ON SHEET C-1A FOR INDIVIDUAL AREAS.

**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:



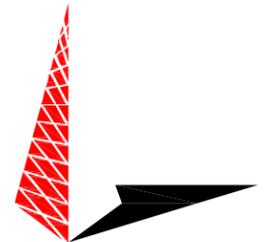
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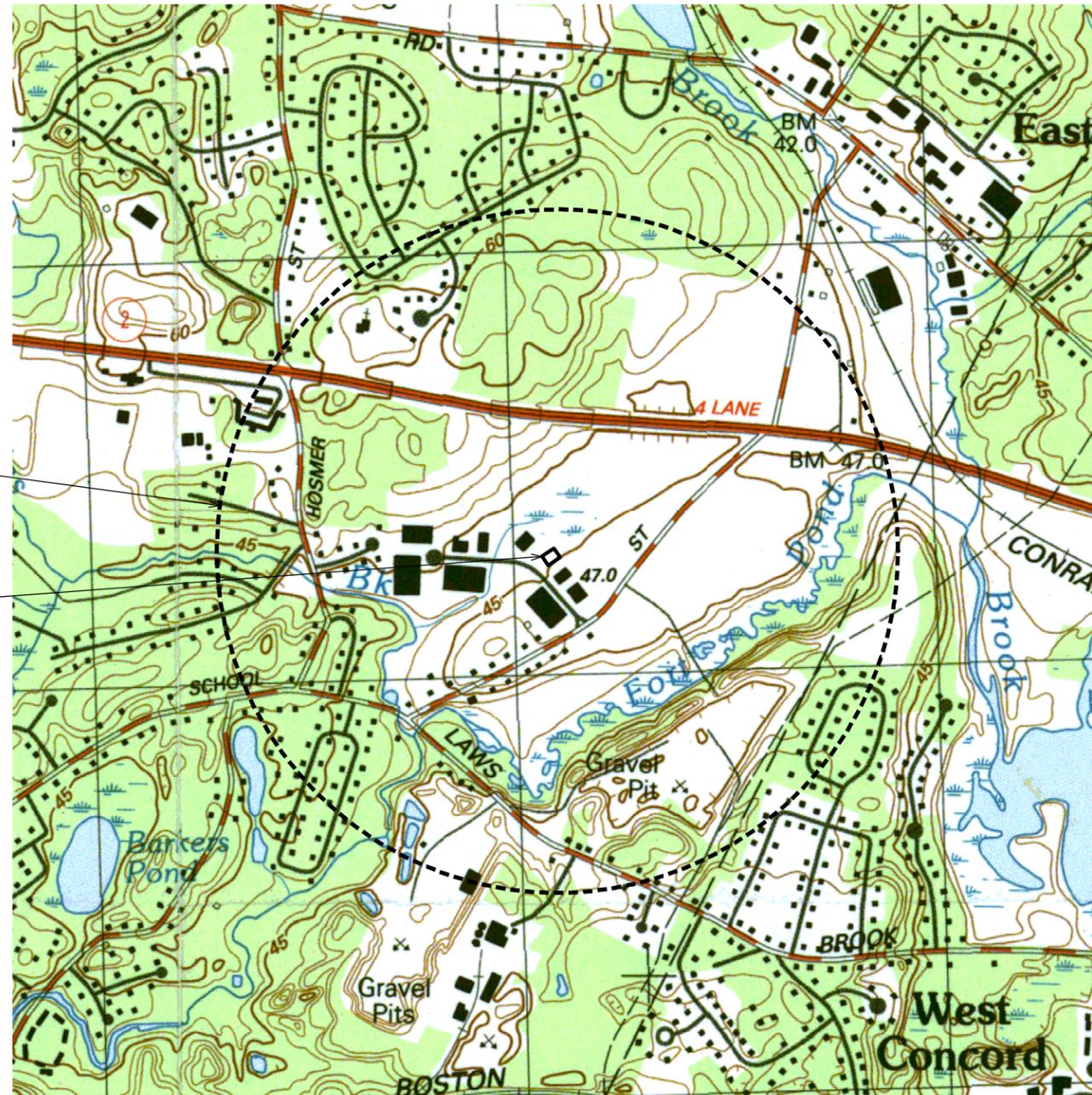
SHEET TITLE:

ZONING INFORMATION

| | |
|---------------|-------------------|
| SHEET NUMBER: | REVISION: |
| N-1 | 13 |
| | TEP #: 29864-5657 |

ZONING INFORMATION

SCALE: N.T.S.



*USGS TOPOGRAPHIC QUAD IMAGES 205914 AND 20591.0

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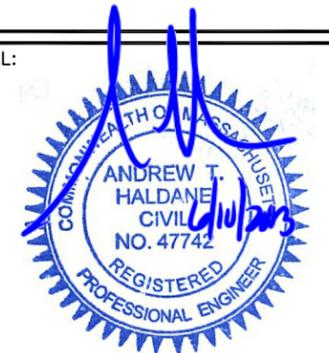
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SHEET TITLE:

LOCUS PLAN

SHEET NUMBER: REVISION:

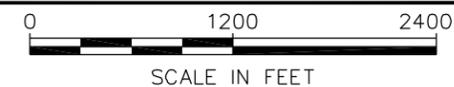
C-1

13

TEP #: 29864-5657

LOCUS PLAN

SCALE: 1" = 1200'



SCALE IN FEET

NOTES:

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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:



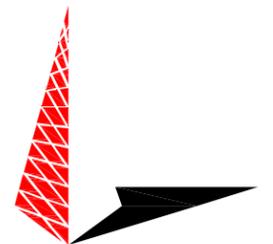
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SHEET TITLE:

SITE PLAN

SHEET NUMBER: REVISION:

C-1A

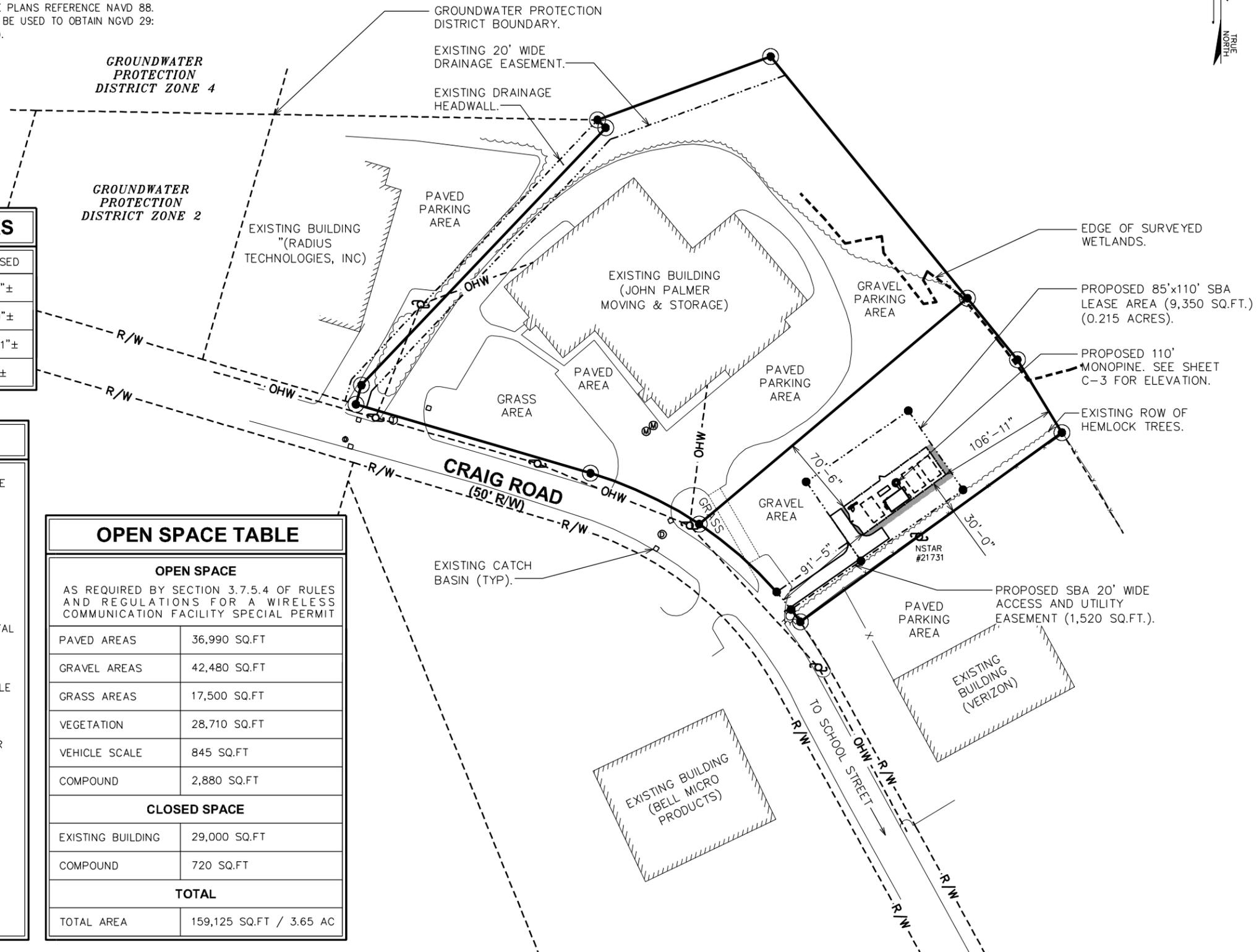
13

TEP #: 29864-5657

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

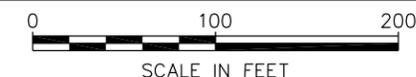
| LEGEND | |
|--------|-----------------------|
| | EXIST. PROPERTY LINE |
| | ADJ. PROPERTY LINE |
| | EXIST. UTILITY POLE |
| | EXIST. LIGHT POLE |
| | EXIST. HYDRANT |
| | EXIST. TELCO PEDESTAL |
| | EXIST. MANHOLE |
| | EXIST. TELCO MANHOLE |
| | PROPERTY CORNER |
| | LEASE/EASE. CORNER |
| | EXIST. 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

SCALE: 1" = 100'

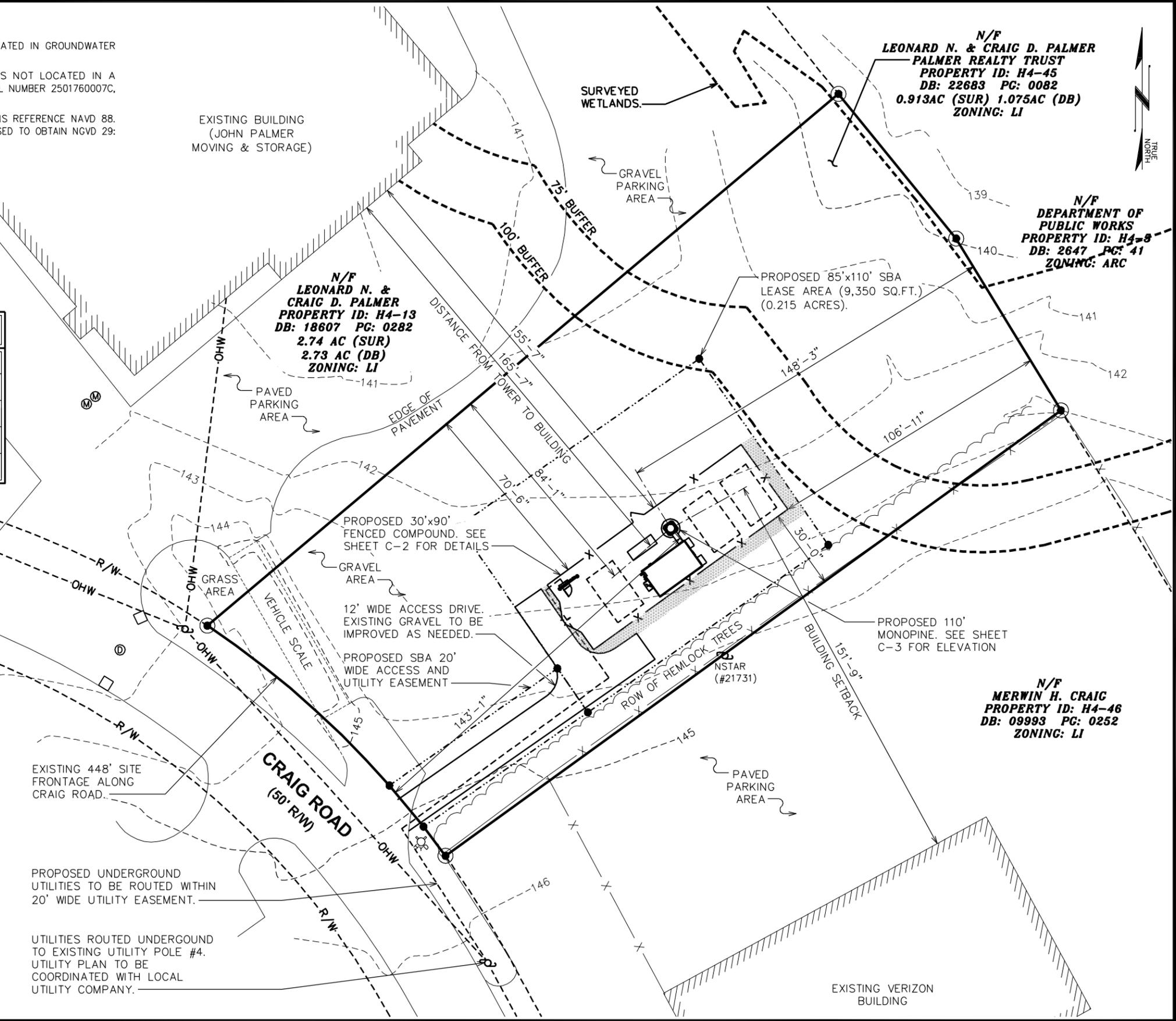


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| | EXIST. MANHOLE |
| | EXIST. TELCO MANHOLE |
| | PROPERTY CORNER |
| | LEASE/EASE. CORNER |
| | EXIST. CONTOUR LINE |
| | EDGE OF PAVEMENT |
| | OVERHEAD WIRE |
| | RIGHT-OF-WAY |
| | CHAIN LINK FENCE |
| | EXISTING TREE LINE |



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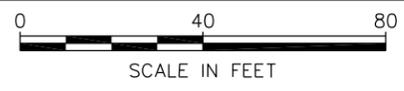
SHEET TITLE:

SITE LAYOUT

SHEET NUMBER: **C-1B** REVISION: **13**

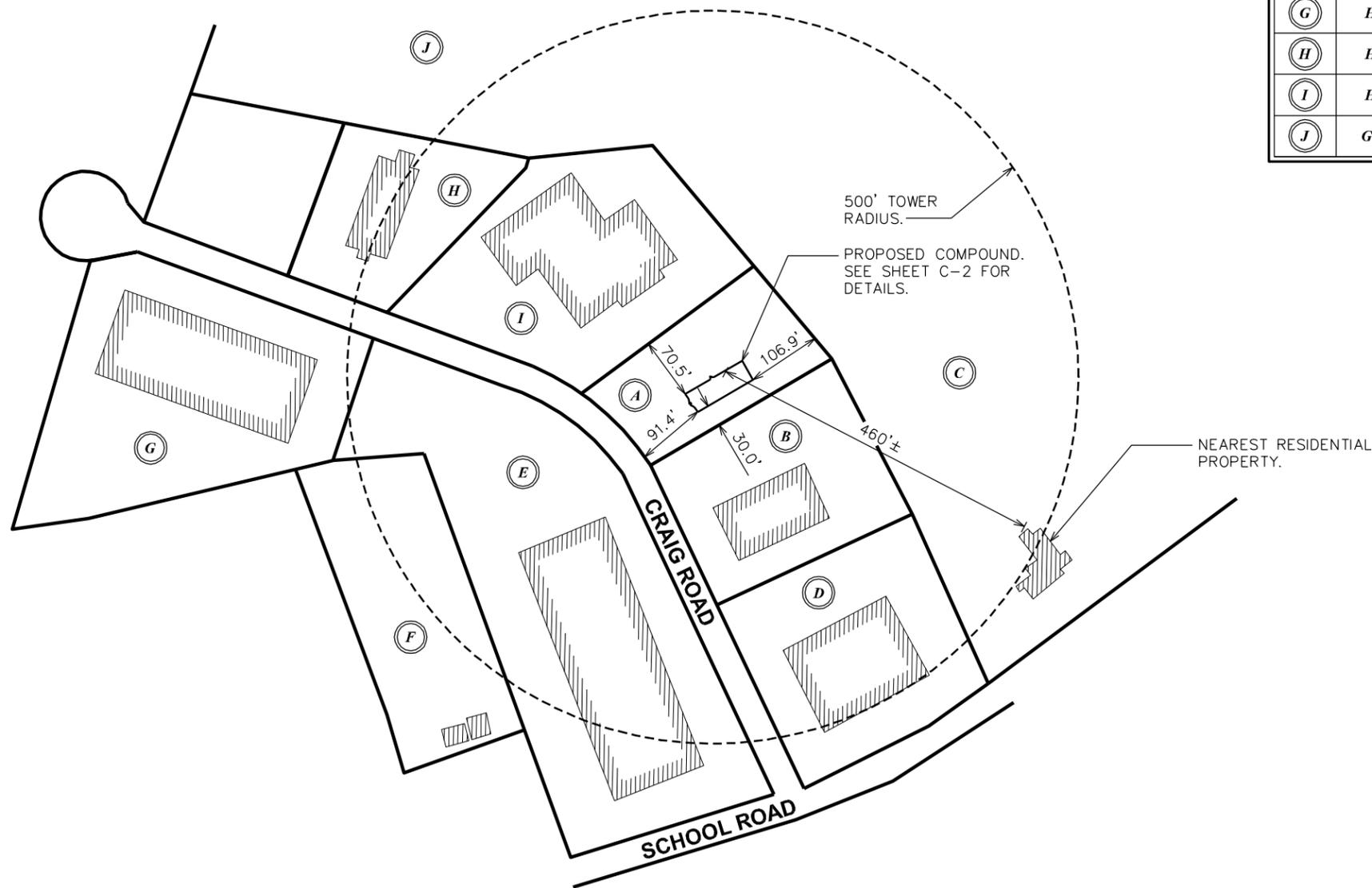
TEP #: 29864-5657

SITE LAYOUT
SCALE: 1" = 40'



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 |

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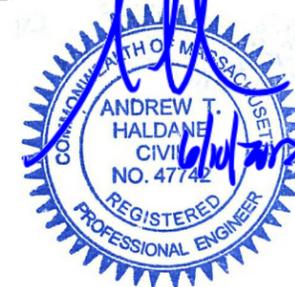
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SHEET TITLE:

PROPERTY OWNERS

SHEET NUMBER: REVISION:

C-1C **13**
TEP #: 29864-5657

PROPERTY OWNERS

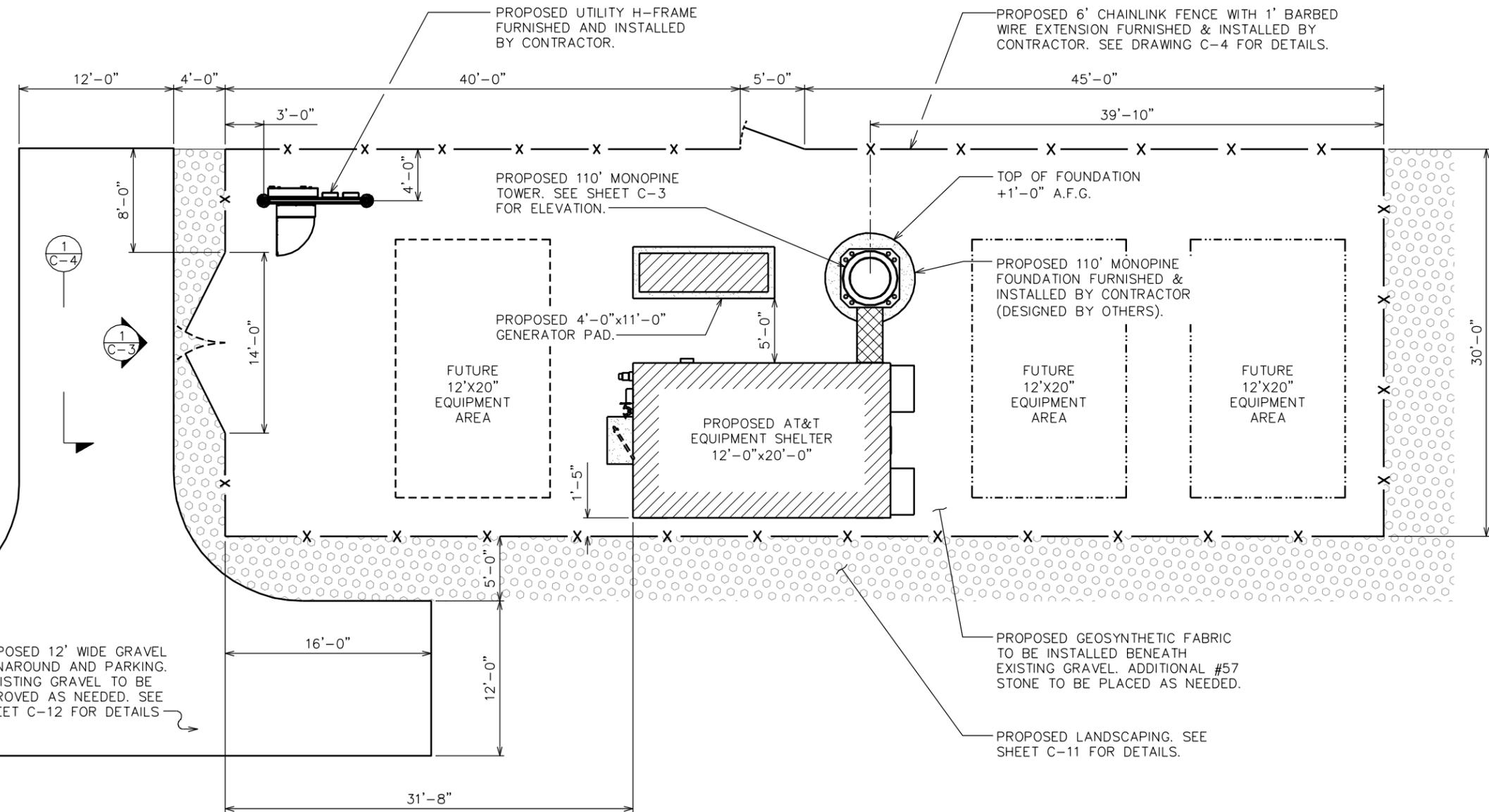
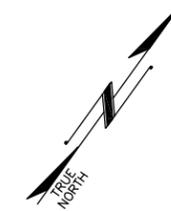
SCALE: 1" = 200'



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.

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| i2 | 05-28-10 | FINAL ZONING |
| ii | 05-03-10 | FINAL ZONING |
| i0 | 03-10-10 | FINAL ZONING |
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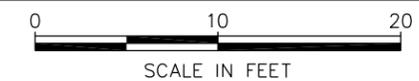
DRAWN BY: JHJ CHECKED BY: KSM

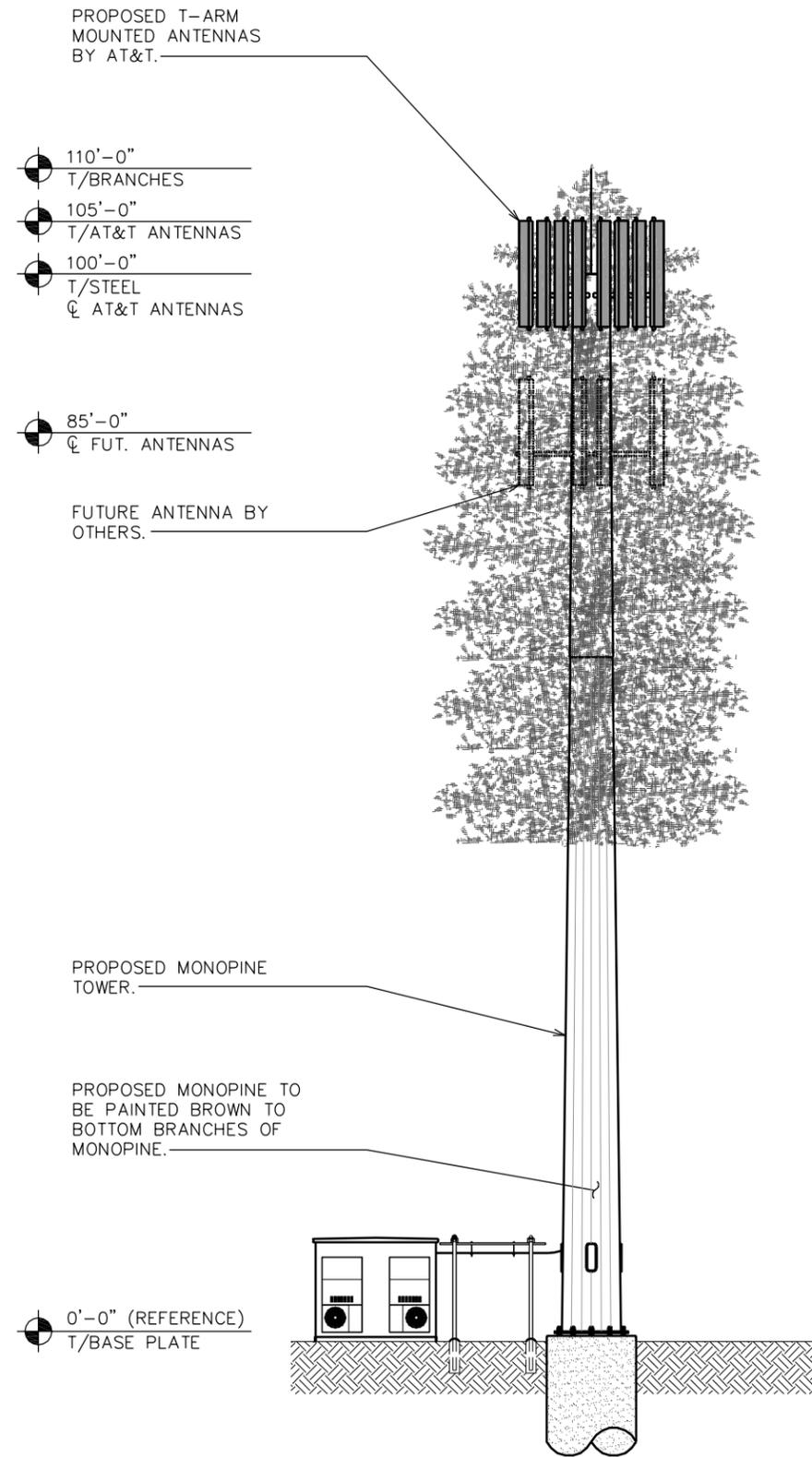
SHEET TITLE:
**ENLARGED
SITE PLAN**

SHEET NUMBER: **C-2** REVISION: **13**
TEP #: 29864-5657

ENLARGED SITE PLAN

SCALE: 1" = 10'





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.

APPLICANT/LESSEE:



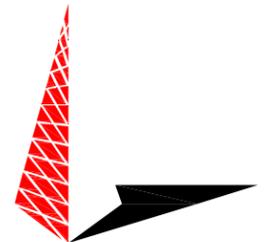
5900 BROKEN SOUND PARKWAY NW
BOCA RATON, FL 33487
OFFICE: (561) 226-9332

PROJECT INFORMATION:

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

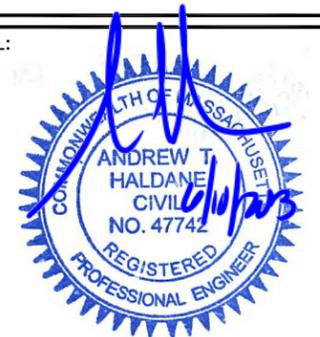
5 CRAIG ROAD
ACTON, MA 01720
(MIDDLESEX COUNTY)

PLANS PREPARED BY:



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

SEAL:



June 10, 2013

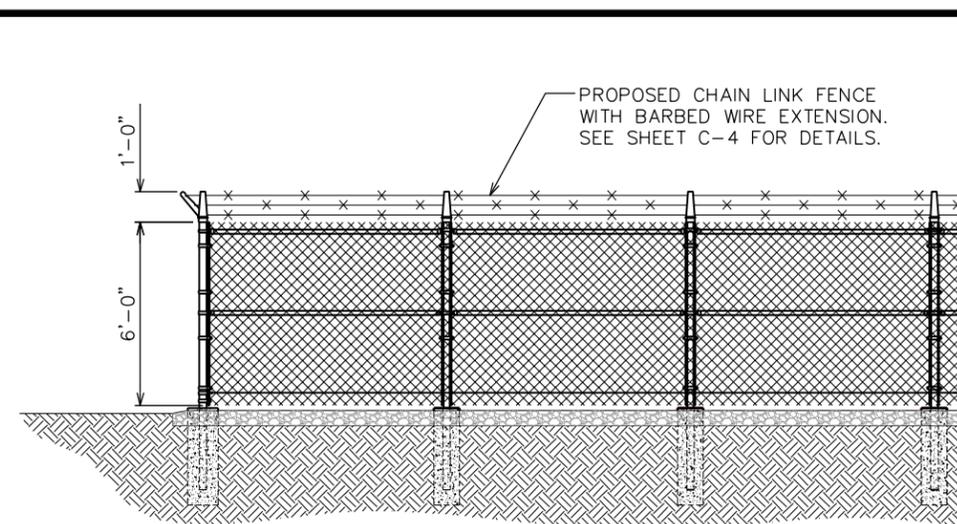
| | | |
|-----|----------|--------------|
| 13 | 06-10-13 | FINAL ZONING |
| 12 | 05-28-10 | FINAL ZONING |
| 11 | 05-03-10 | FINAL ZONING |
| 10 | 03-10-10 | FINAL ZONING |
| REV | DATE | ISSUED FOR: |

DRAWN BY: JHJ CHECKED BY: KSM

SHEET TITLE:

**SITE
ELEVATION**

| | |
|-----------------------------|---|
| SHEET NUMBER: C-3 | REVISION: 13 TEP #: 29864-5657 |
|-----------------------------|---|

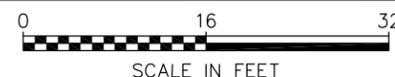


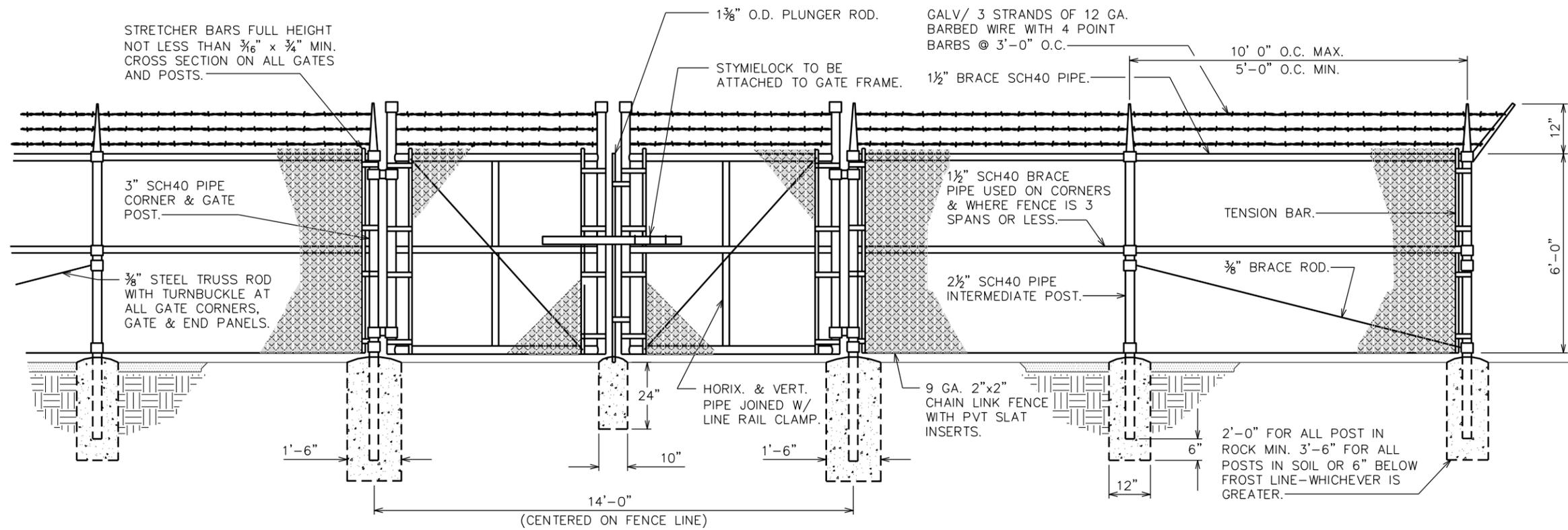
ELEVATION VIEW @ FENCE CORNERS

SCALE: N.T.S.

ELEVATION VIEW

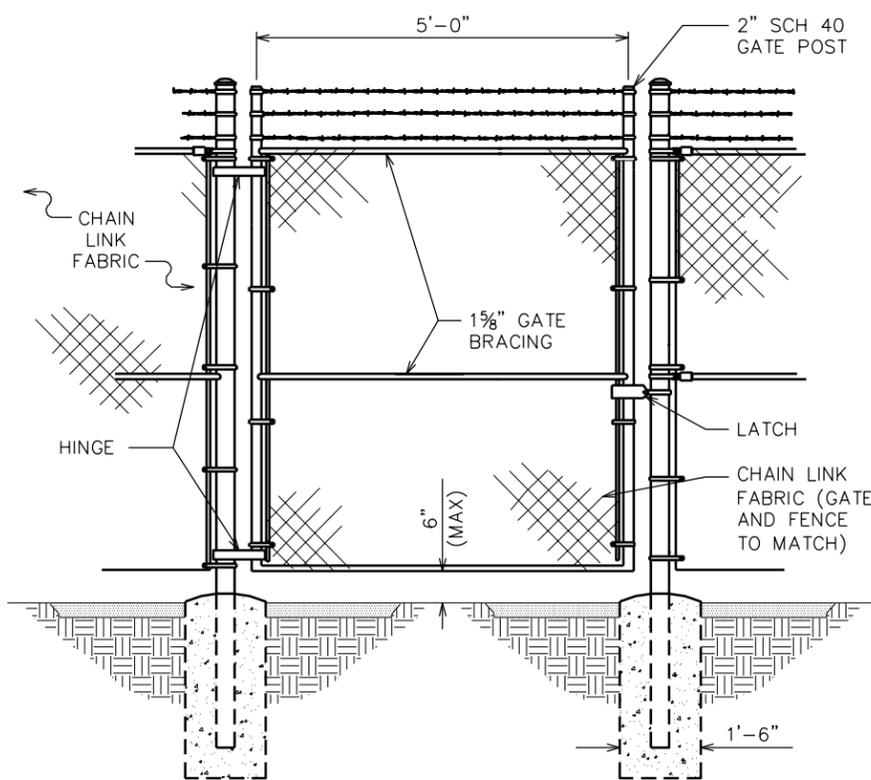
SCALE: 1/16" = 1'-0"





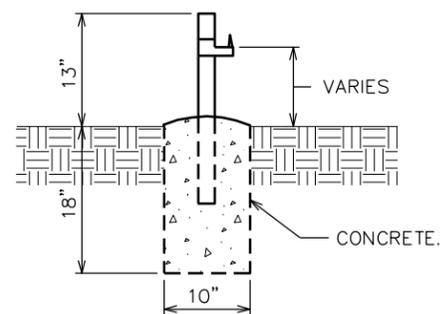
TYPICAL FENCE ELEVATION

SCALE: N.T.S.



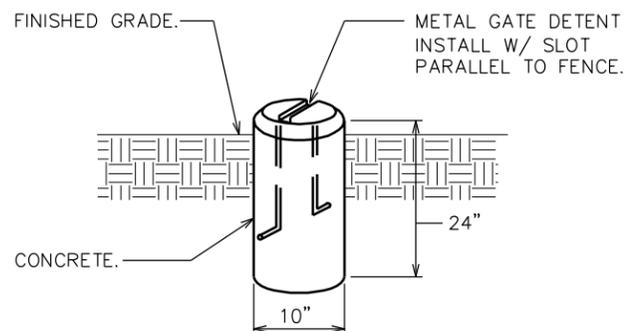
TYPICAL MAN GATE DETAIL

SCALE: N.T.S.



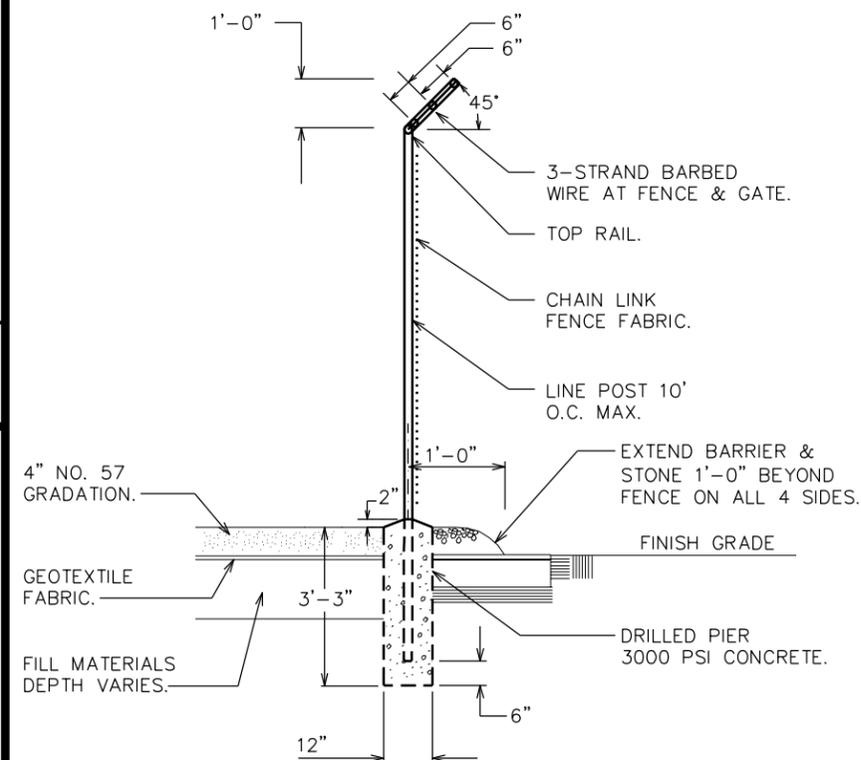
GATE STOP / KEEPER DETAIL

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 CRAIG ROAD
ACTON, MA 01720
(MIDDLESEX COUNTY)

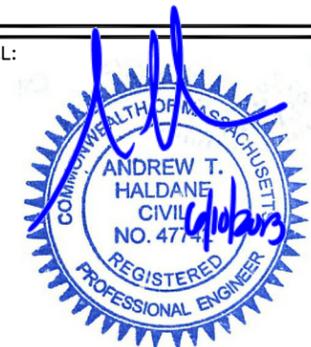
PLANS PREPARED BY:



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| REV | DATE | ISSUED FOR: |

DRAWN BY: JHJ CHECKED BY: KSM

SHEET TITLE:

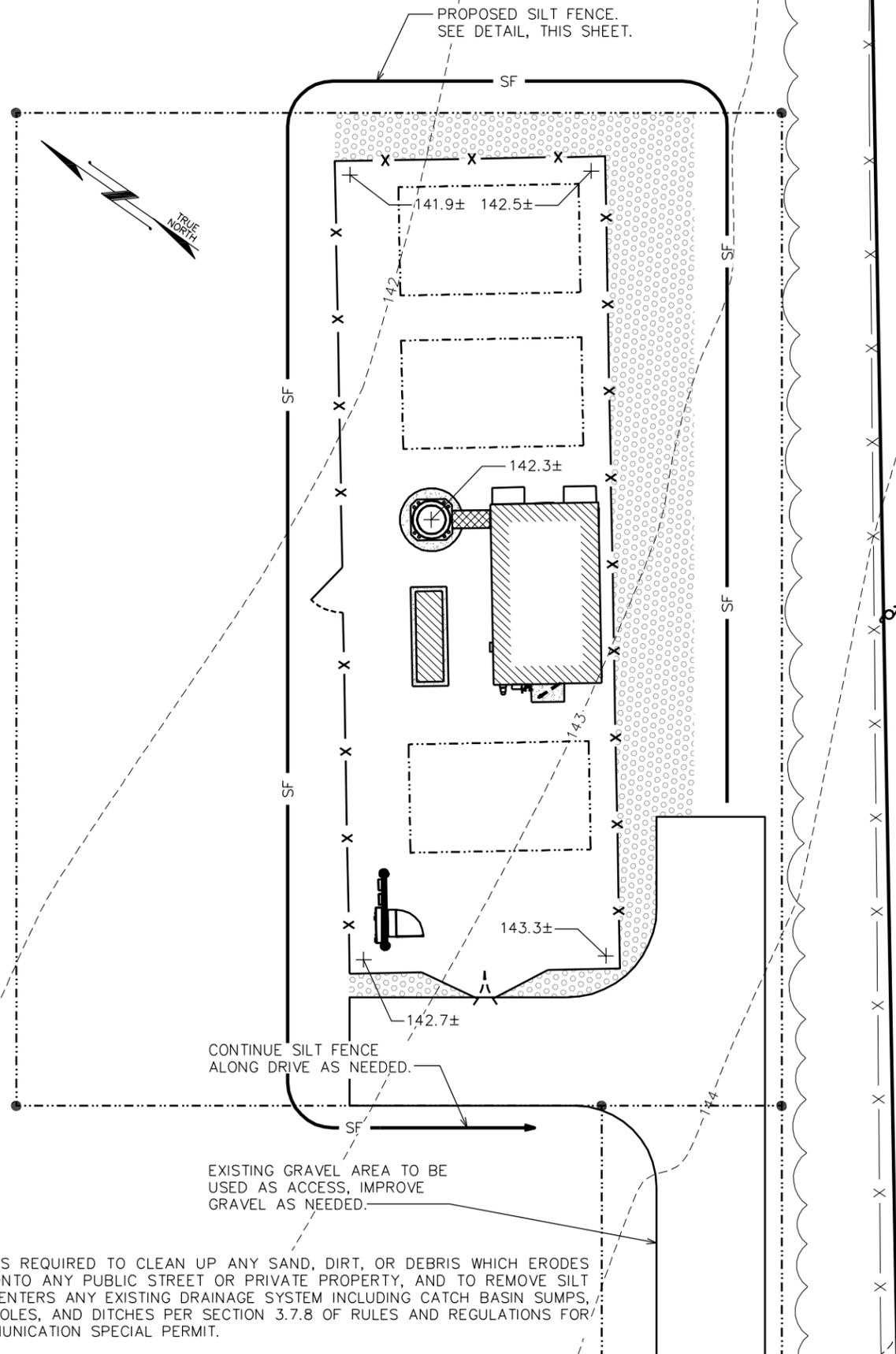
**FENCE
DETAILS**

SHEET NUMBER: REVISION:

C-4

13

TEP #: 29864-5657



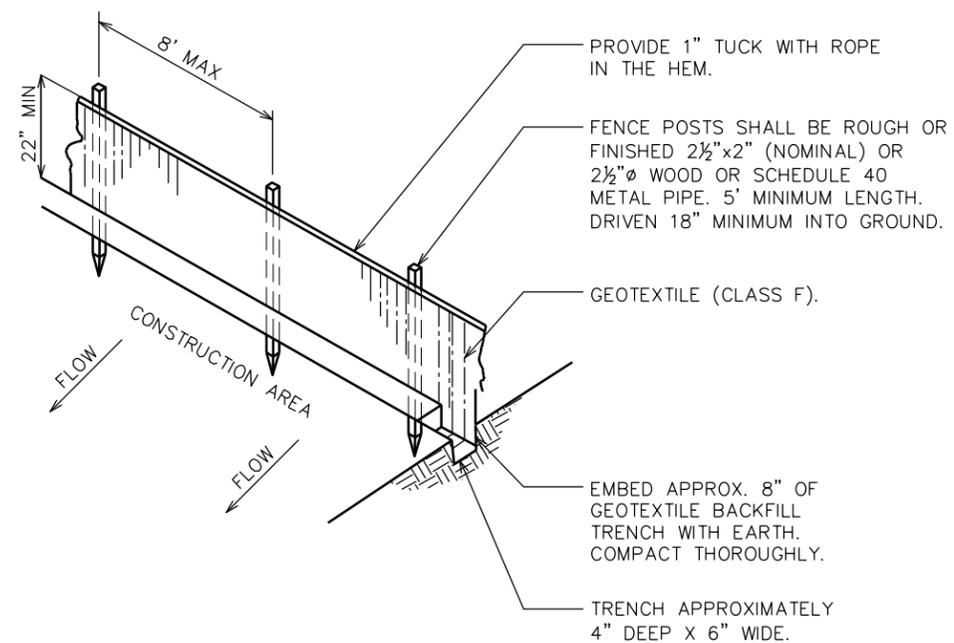
GRADING PLAN

SCALE: 1/16" = 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.

APPLICANT/LESSEE:



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

PROJECT INFORMATION:

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

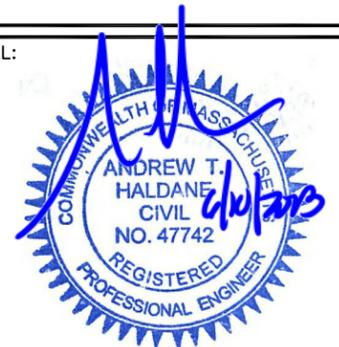
5 CRAIG ROAD
ACTON, MA 01720
(MIDDLESEX COUNTY)

PLANS PREPARED BY:



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DRAWN BY: JHJ CHECKED BY: KSM

SHEET TITLE:

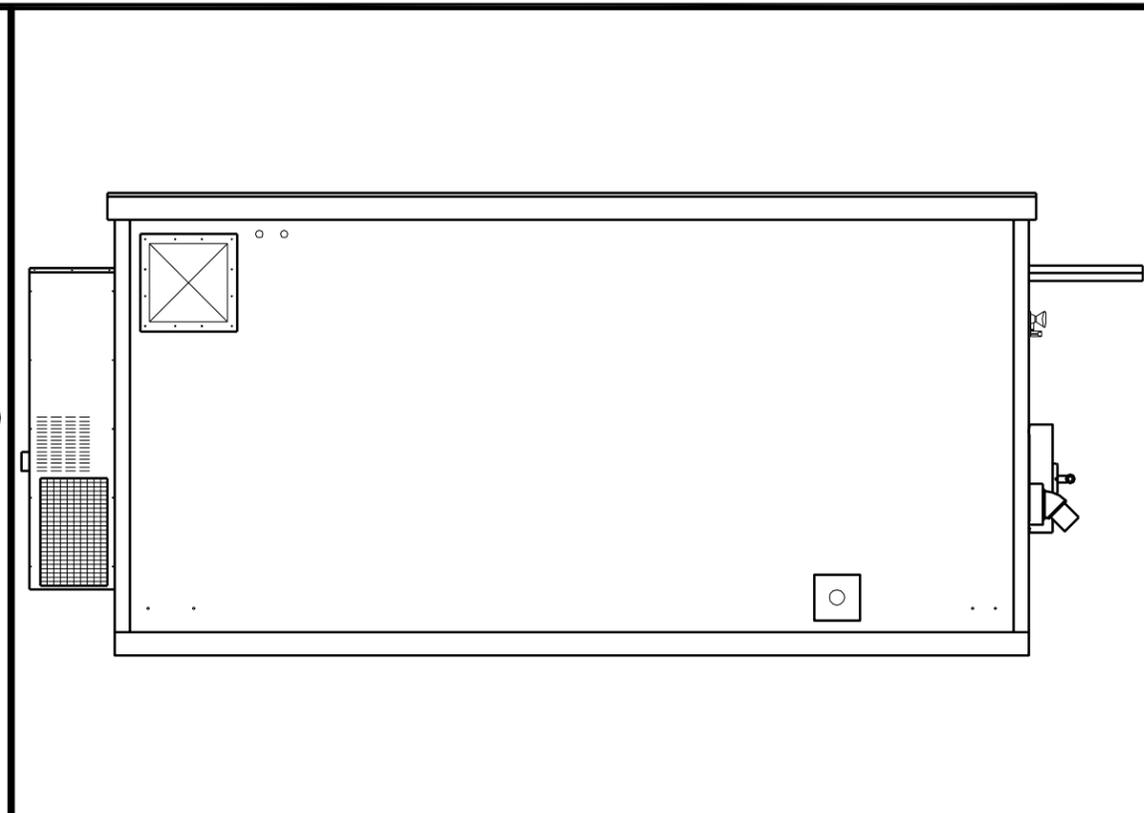
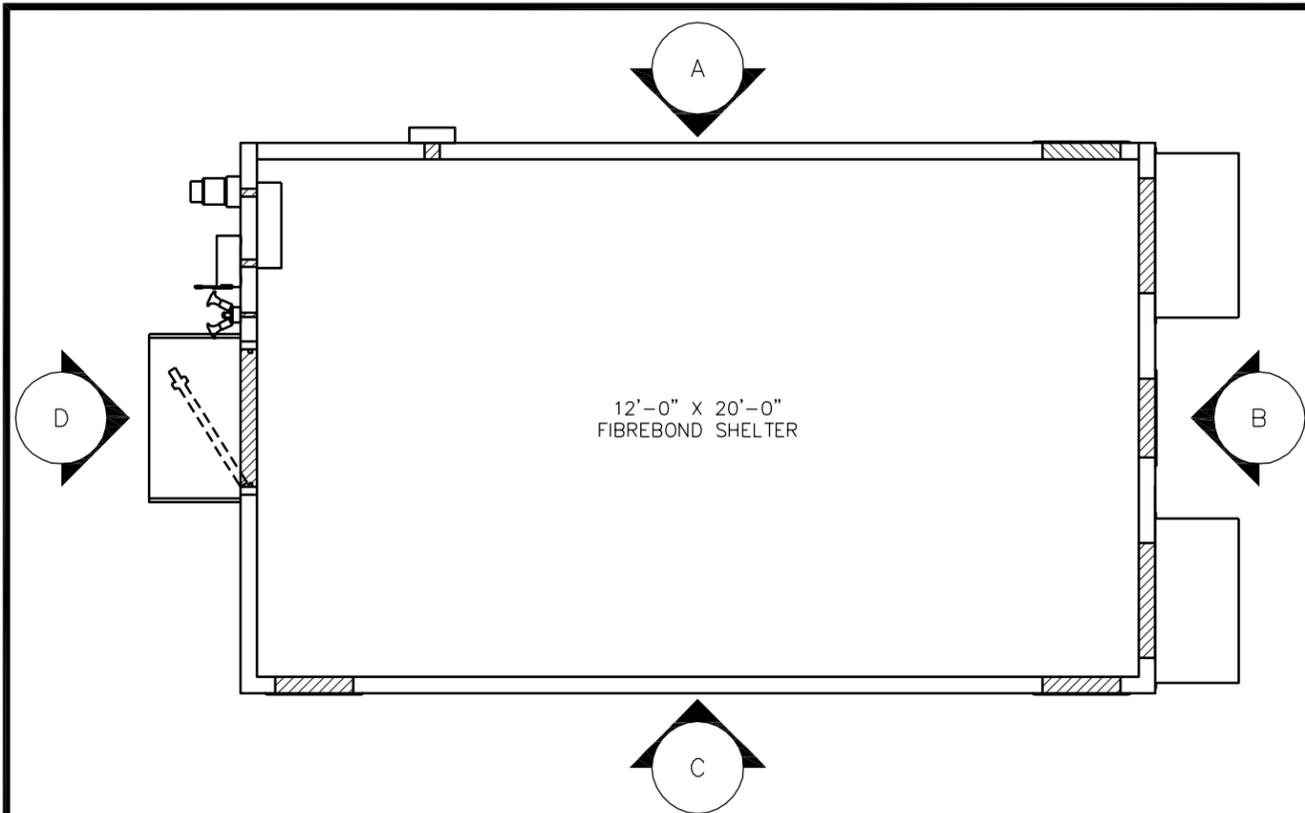
**SOIL EROSION
AND CONTROL
PLAN**

SHEET NUMBER: REVISION:

C-5

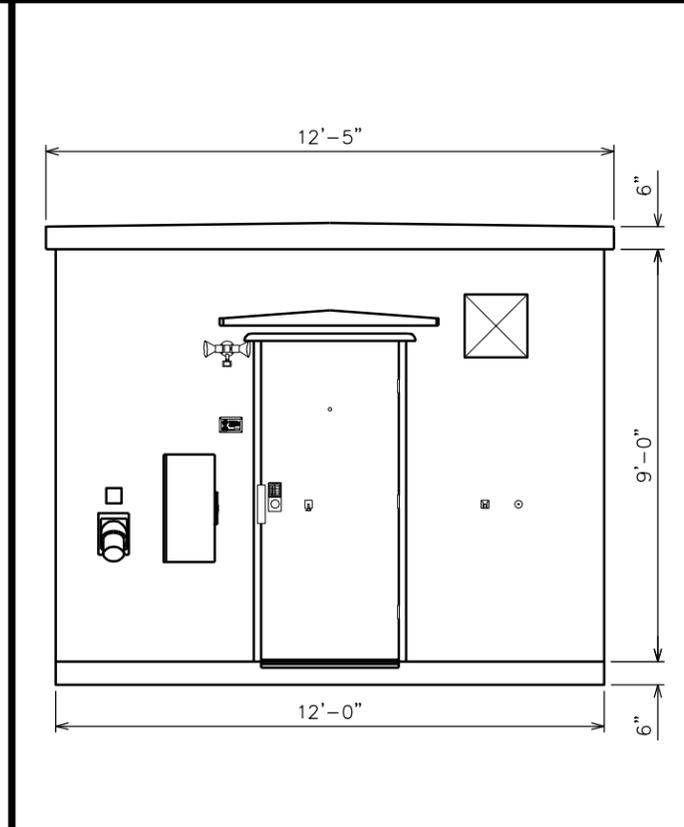
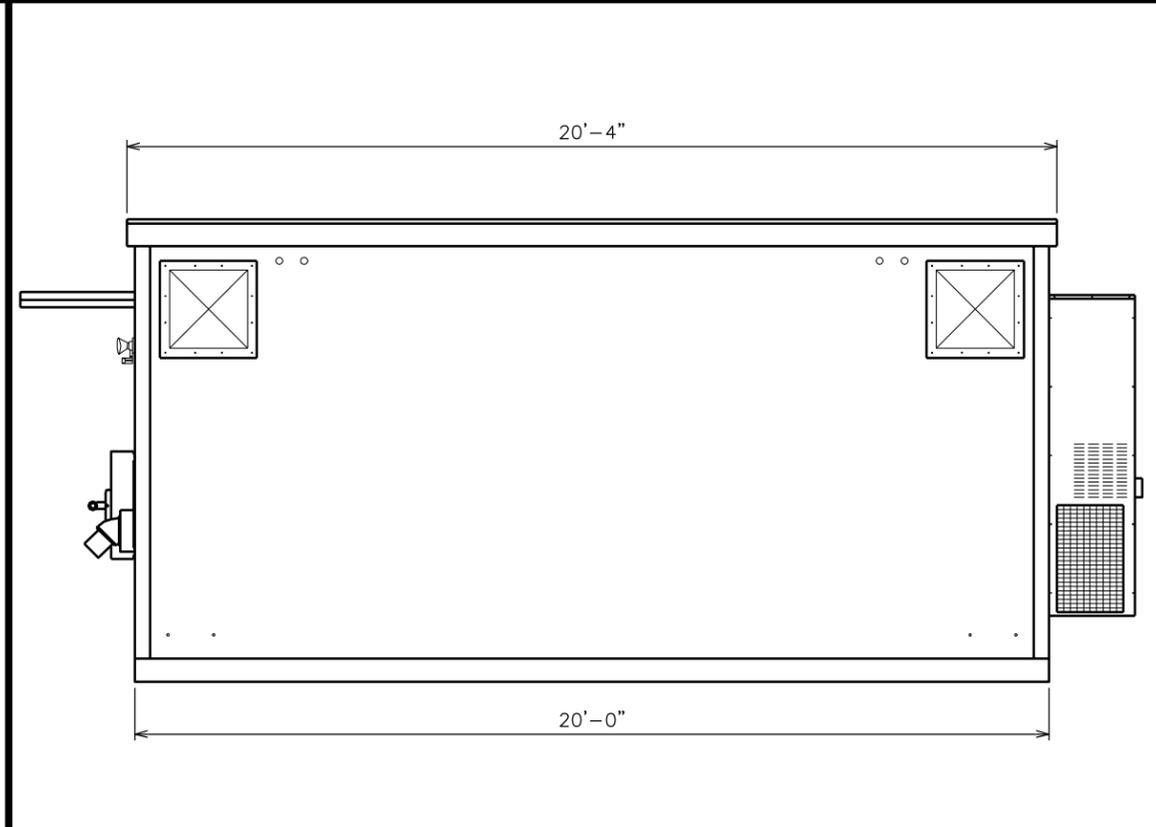
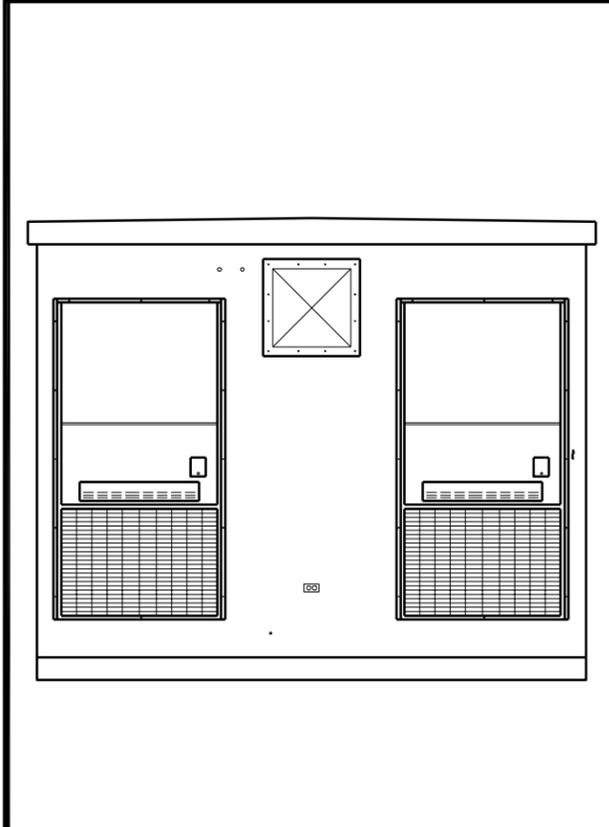
13

TEP #: 29864-5657



EQUIPMENT LAYOUT
SCALE: 1/4" = 1'-0"
0 4 8
SCALE IN FEET

ELEVATION A
SCALE: 1/4" = 1'-0"
0 4 8
SCALE IN FEET



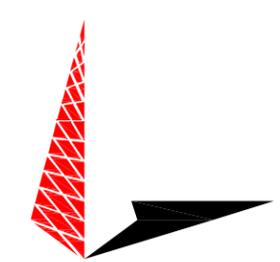
ELEVATION B
SCALE: 1/4" = 1'-0"

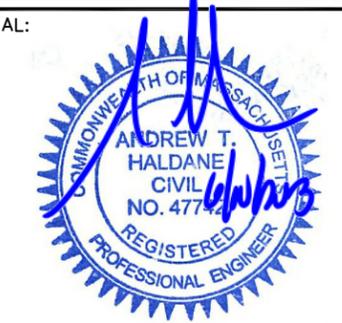
ELEVATION C
SCALE: 1/4" = 1'-0"
0 4 8
SCALE IN FEET

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

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

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

PLANS PREPARED BY:

TOWER ENGINEERING PROFESSIONALS
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RALEIGH, NC 27603-5263
OFFICE: (919) 661-6351
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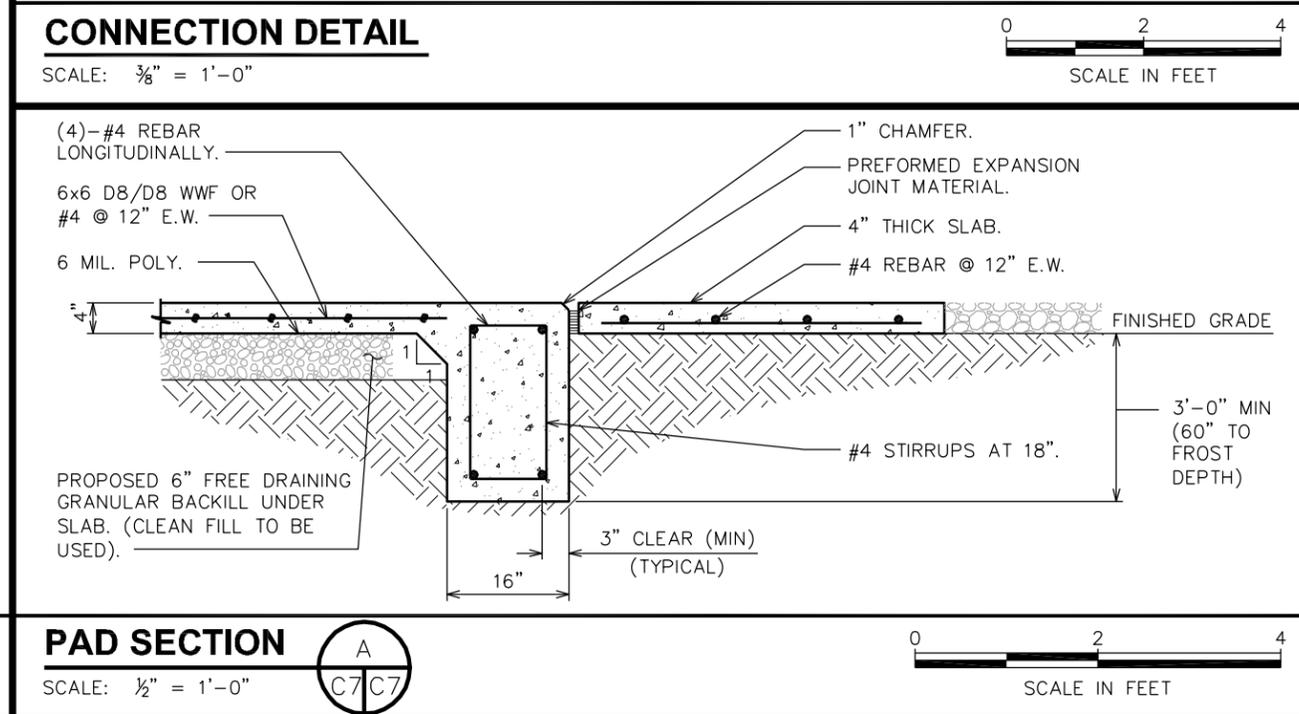
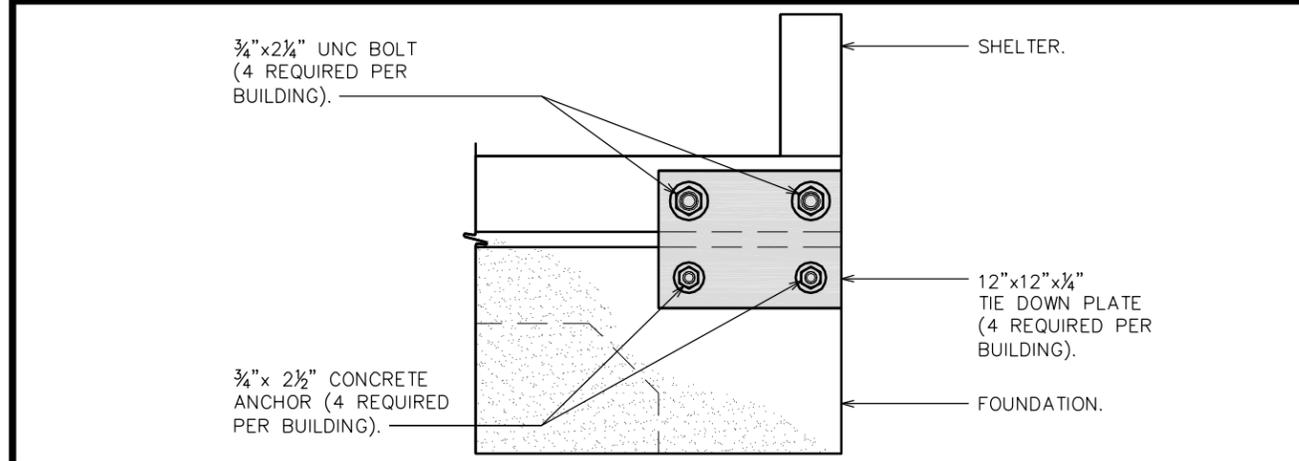
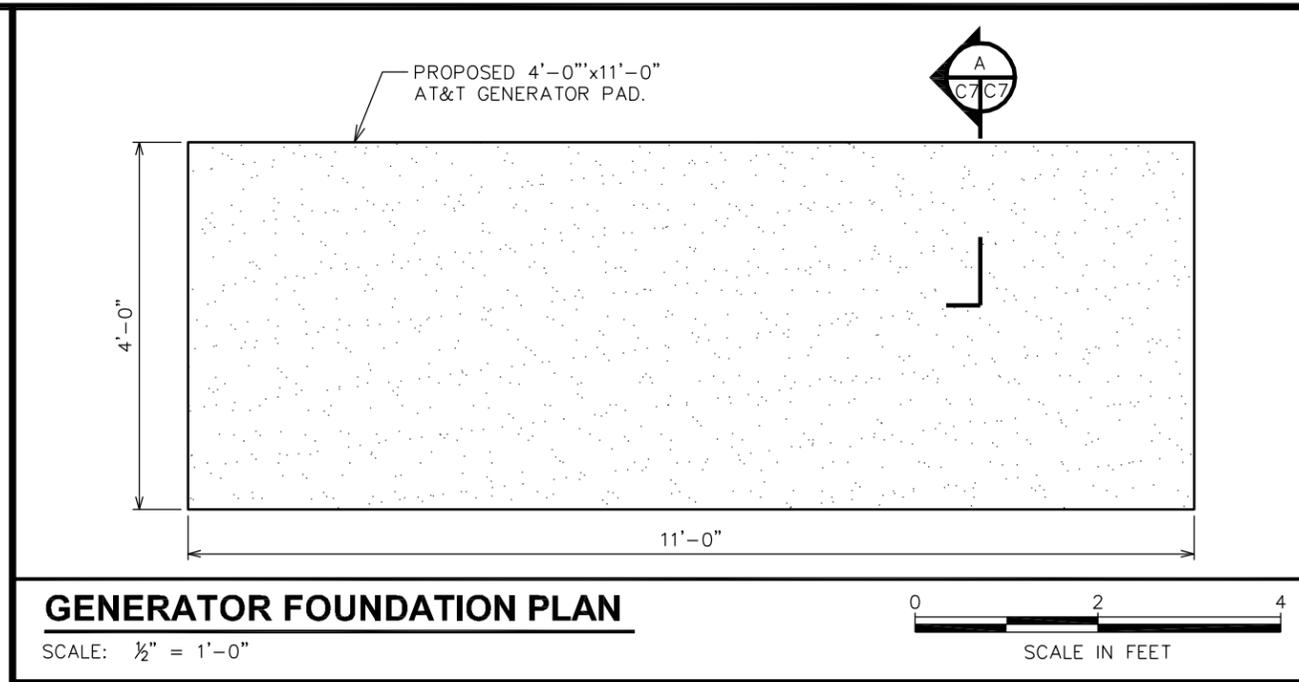
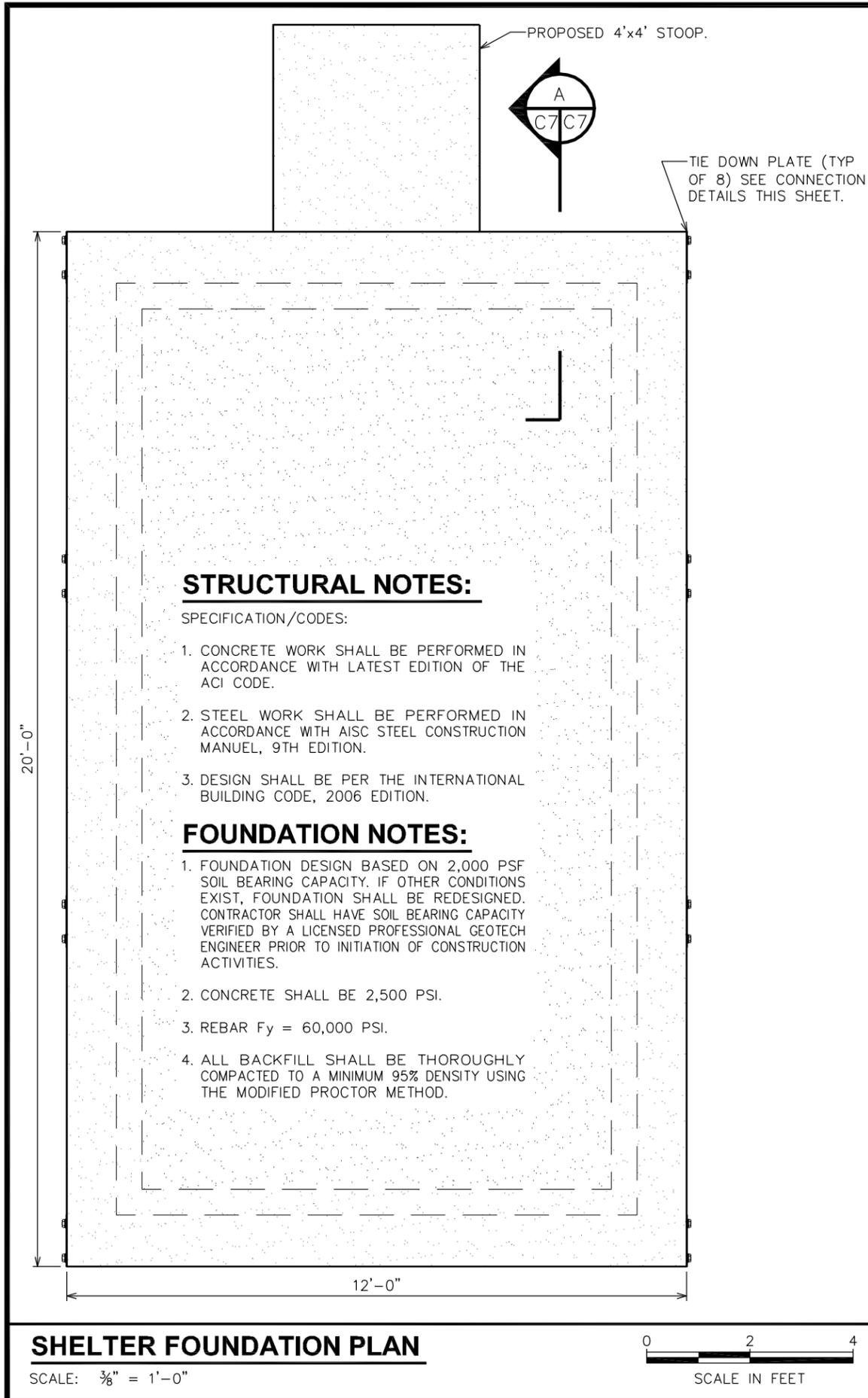
SEAL:

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| REV | DATE | ISSUED FOR: |

DRAWN BY: JHJ CHECKED BY: KSM

SHEET TITLE:
**AT&T SHELTER
ELEVATIONS**

SHEET NUMBER: **C-6** REVISION: **13**
TEP #: 29864-5657



APPLICANT/LESSEE:

SBA

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

PROJECT INFORMATION:

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

5 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:

ANDREW T. HALDANE
CIVIL
NO. 47742
REGISTERED PROFESSIONAL ENGINEER

June 10, 2013

| REV | DATE | ISSUED FOR: |
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| 13 | 06-10-13 | FINAL ZONING |
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| 10 | 03-10-10 | FINAL ZONING |

DRAWN BY: JHJ CHECKED BY: KSM

SHEET TITLE:

**AT&T SHELTER
FOUNDATION DETAILS**

SHEET NUMBER: **C-7**

REVISION: **13**

TEP #: 29864-5657

APPLICANT/LESSEE:



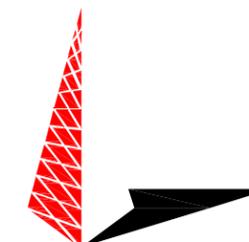
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BOCA RATON, FL 33487
OFFICE: (561) 226-9332

PROJECT INFORMATION:

ACTON 2 (MA-11845-S)

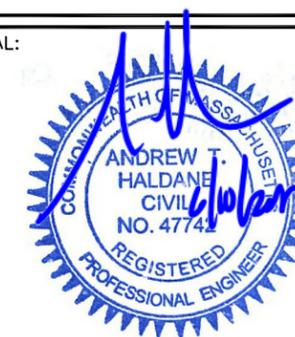
5 CRAIG ROAD
ACTON, MA 01720
(MIDDLESEX COUNTY)

PLANS PREPARED BY:



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OFFICE: (919) 661-6351
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DRAWN BY: JHJ CHECKED BY: KSM

SHEET TITLE:

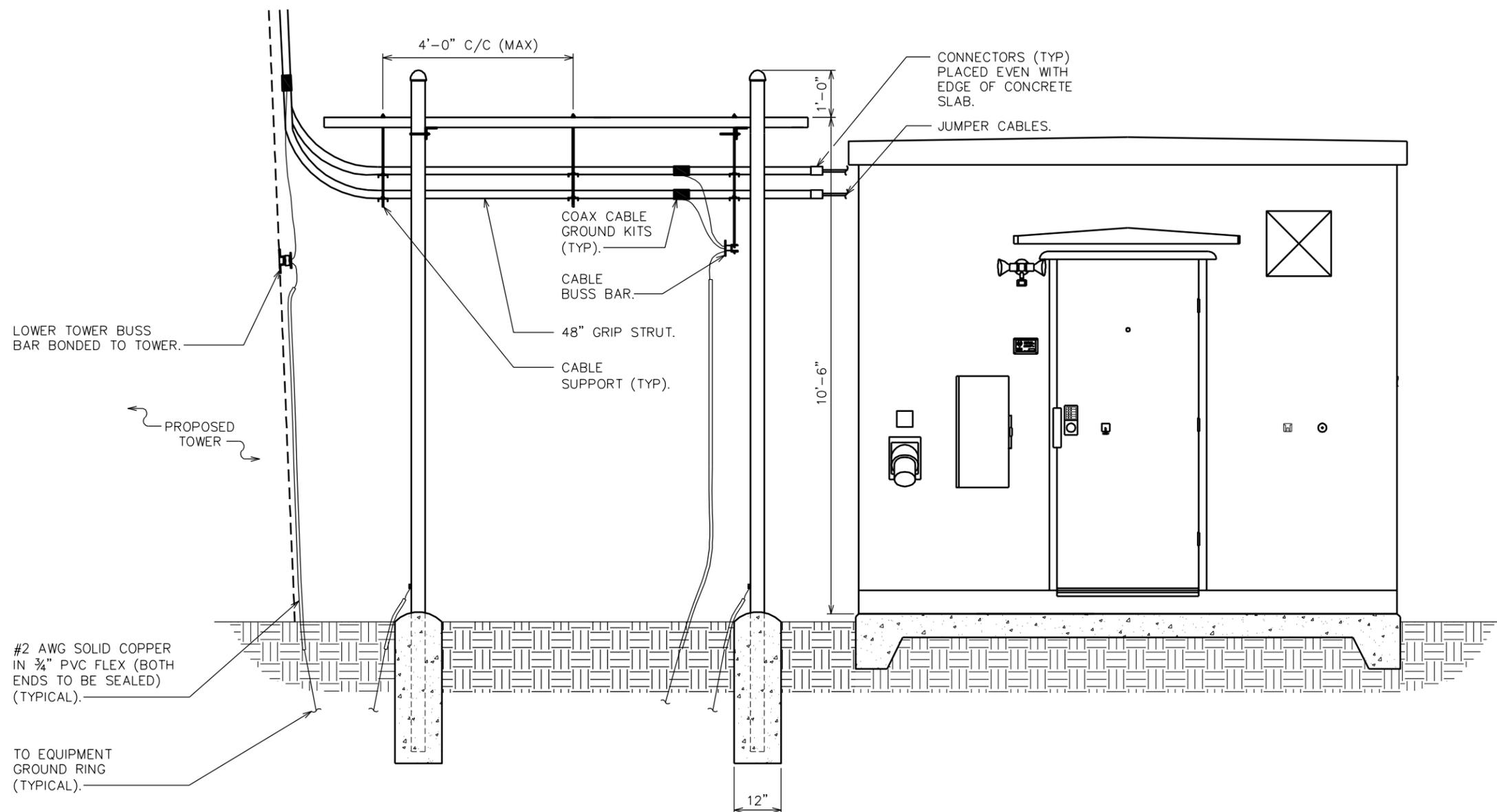
ICE BRIDGE DETAILS (SIDE VIEW)

SHEET NUMBER: REVISION:

C-8

13

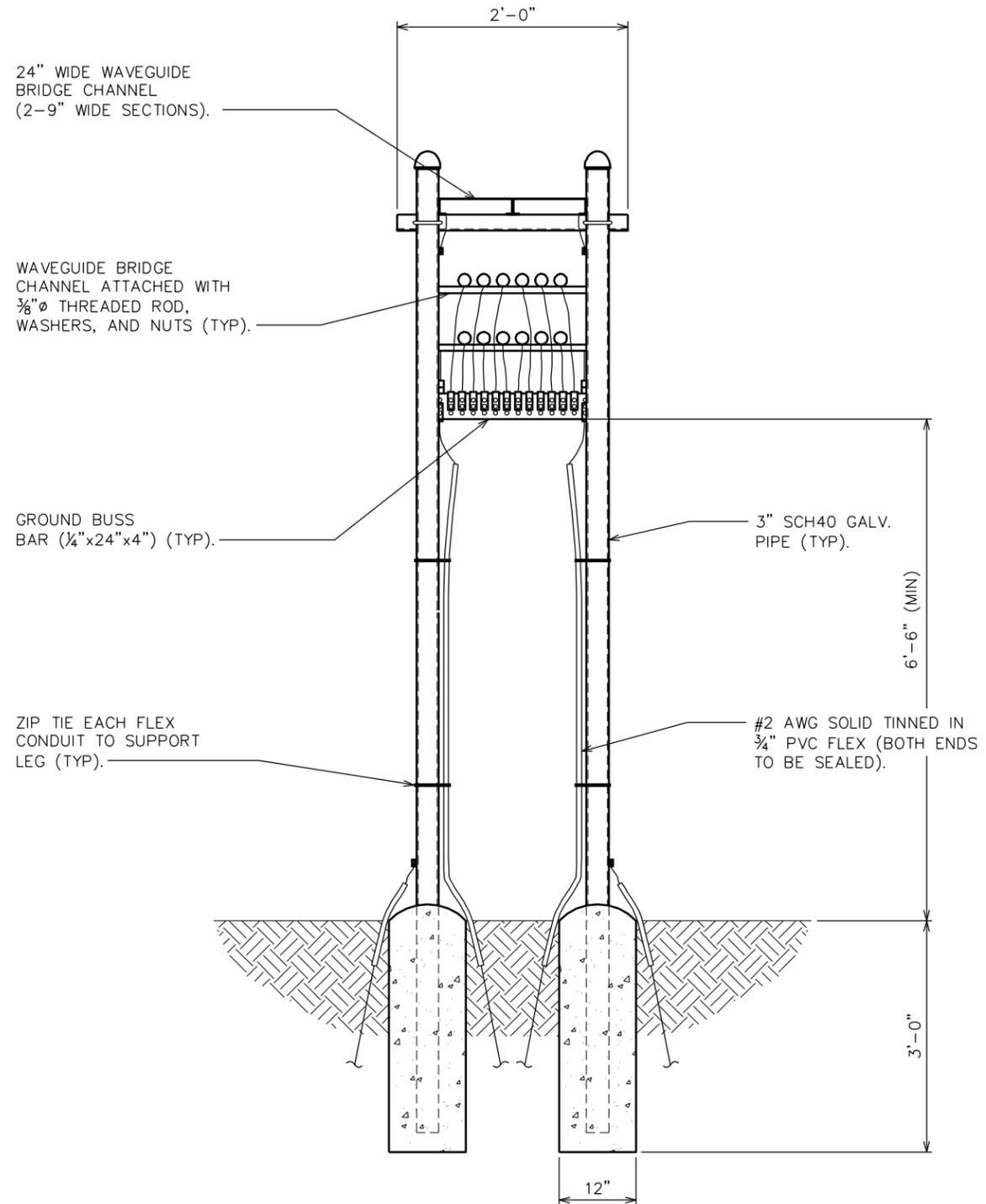
TEP #: 29864-5657



ICE BRIDGE DETAILS (SIDE VIEW)

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





APPLICANT/LESSEE:



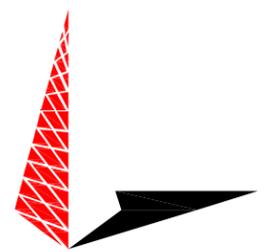
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BOCA RATON, FL 33487
OFFICE: (561) 226-9332

PROJECT INFORMATION:

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

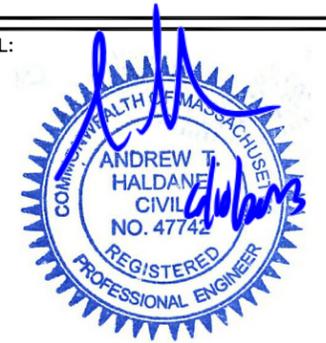
5 CRAIG ROAD
ACTON, MA 01720
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PLANS PREPARED BY:



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| REV | DATE | ISSUED FOR: |

DRAWN BY: JHJ CHECKED BY: KSM

SHEET TITLE:
**ICE BRIDGE DETAIL
(FRONT VIEW)**

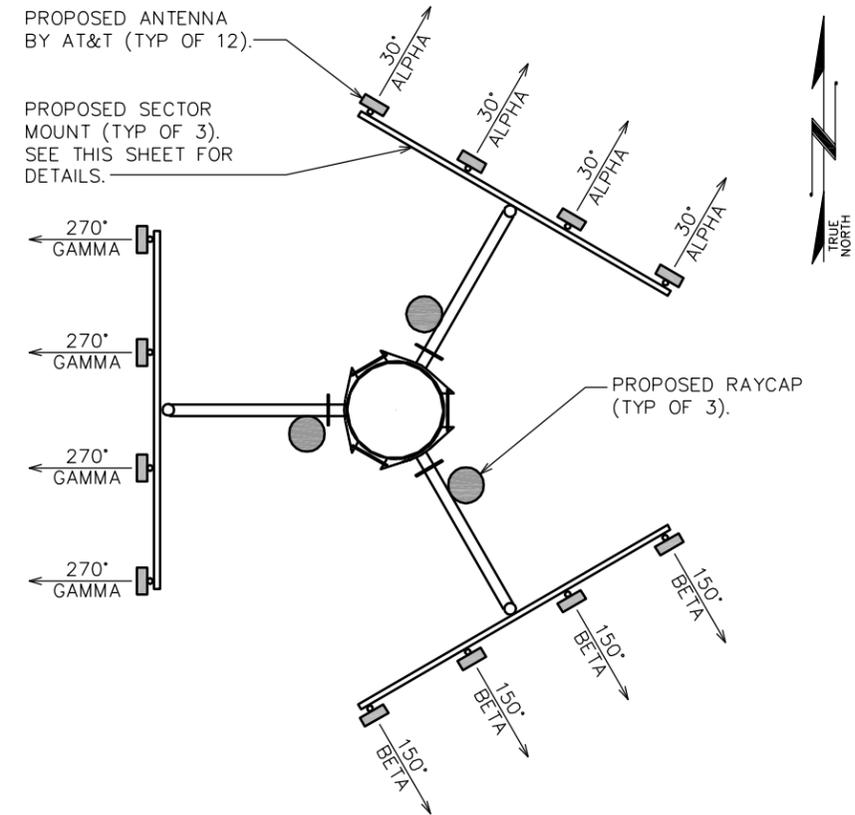
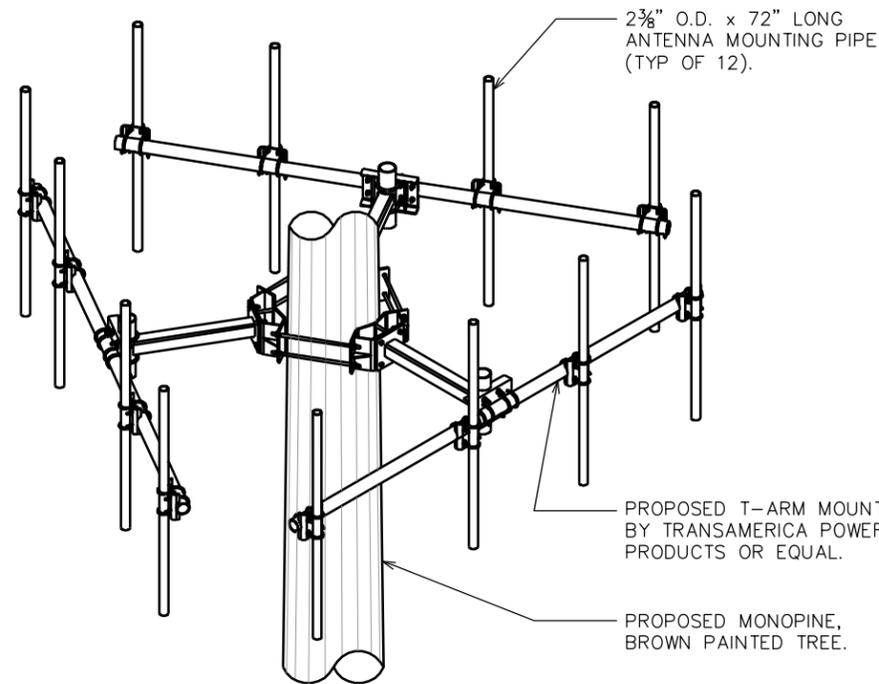
SHEET NUMBER: **C-9** REVISION: **13**
TEP #: 29864-5657

ICE BRIDGE DETAILS (FRONT VIEW)

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.



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:



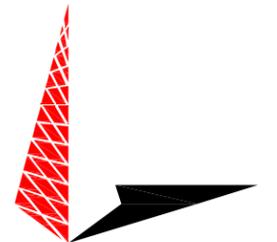
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 BOCA RATON, FL 33487
 OFFICE: (561) 226-9332

PROJECT INFORMATION:

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

5 CRAIG ROAD
 ACTON, MA 01720
 (MIDDLESEX COUNTY)

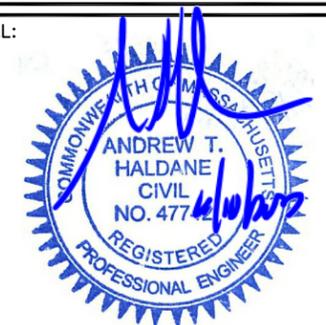
PLANS PREPARED BY:



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 RALEIGH, NC 27603-5263
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SEAL:



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DRAWN BY: JHJ CHECKED BY: KSM

SHEET TITLE:

**ANTENNA MOUNT
DETAILS**

SHEET NUMBER: REVISION:

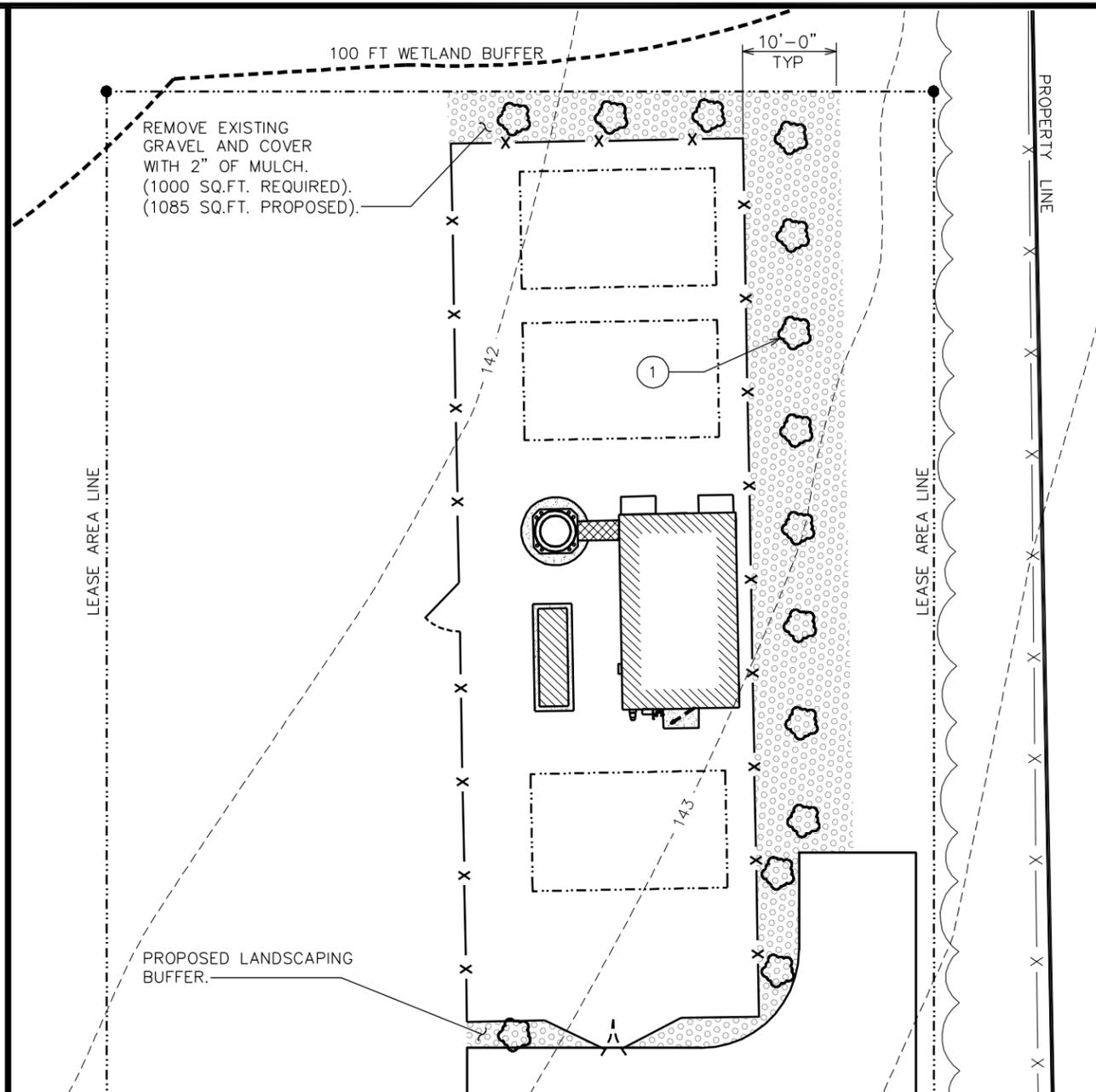
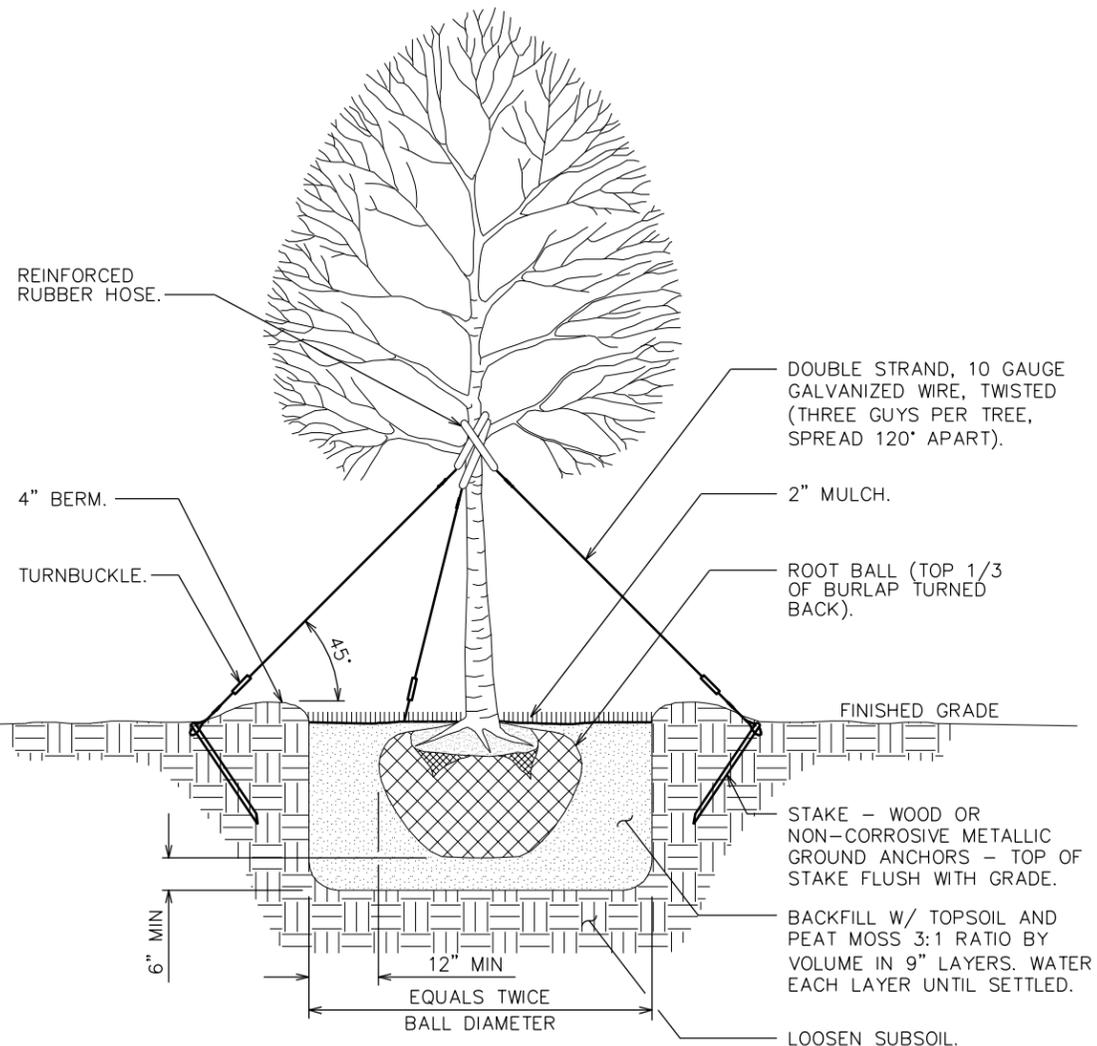
C-10

13

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 |
|--------------|------|-------------------------------|-------------------|-------------------|-------------------|-----------------|---------------------|----------|
| TREES | | | | | | | | |
| 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:



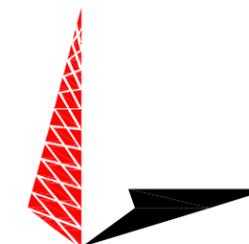
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BOCA RATON, FL 33487
OFFICE: (561) 226-9332

PROJECT INFORMATION:

ACTON 2 (MA-11845-S)

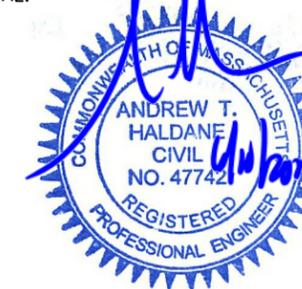
5 CRAIG ROAD
ACTON, MA 01720
(MIDDLESEX COUNTY)

PLANS PREPARED BY:



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

SEAL:



June 10, 2013

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

DRAWN BY: JHJ CHECKED BY: KSM

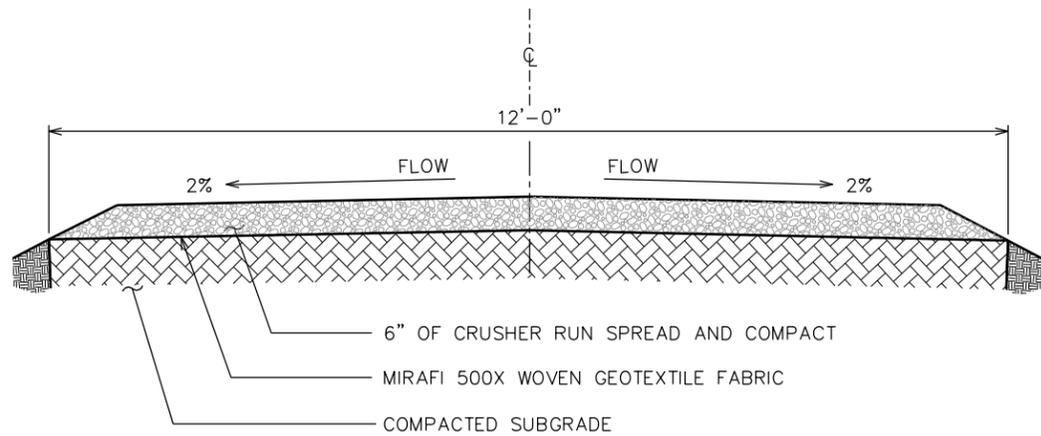
SHEET TITLE:

LANDSCAPING DETAILS

SHEET NUMBER: **C-11** REVISION: **13**
TEP #: 29864-5657

NOTE:

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



STANDARD ROAD SECTION

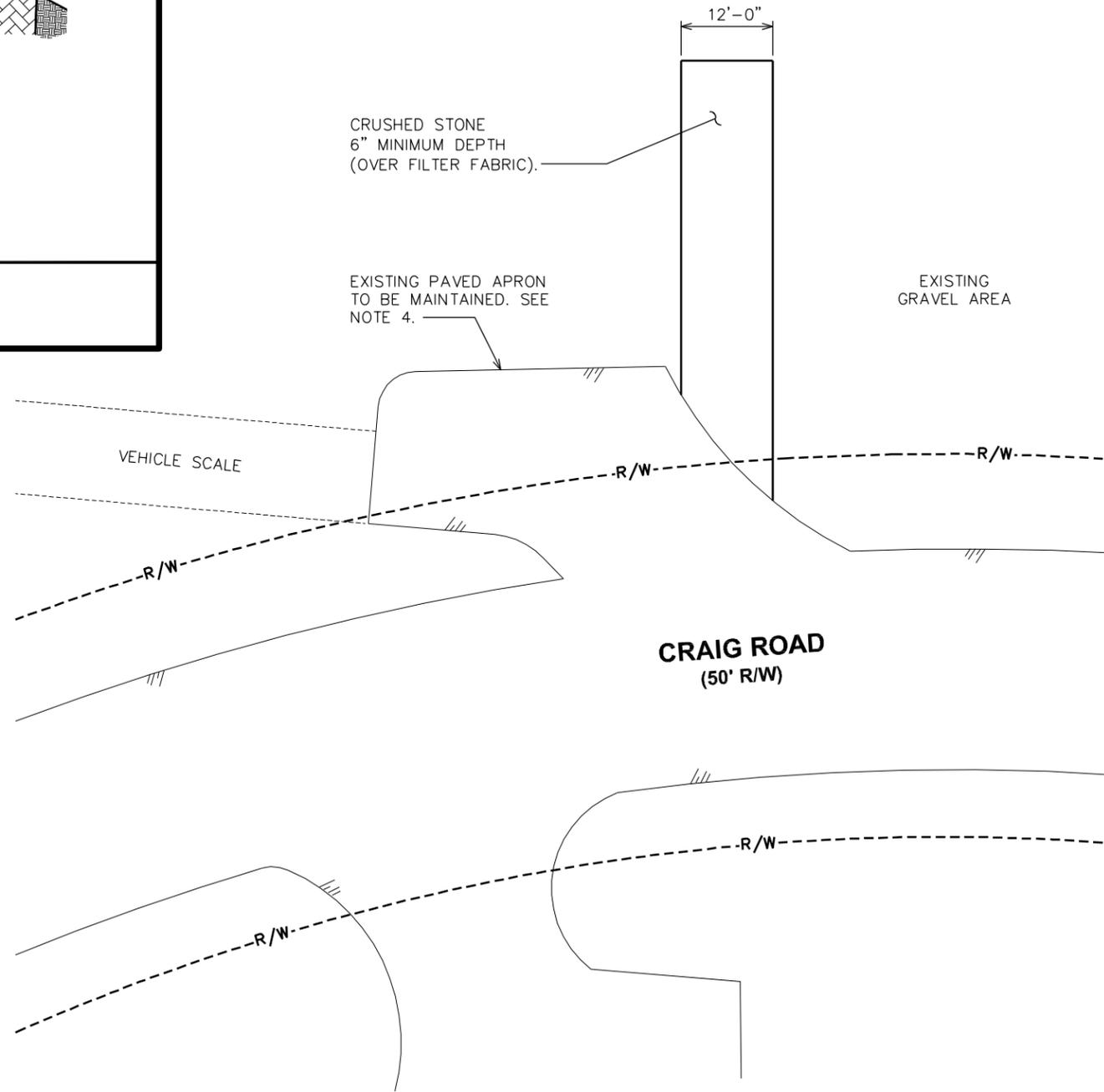
SCALE: N.T.S.

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:



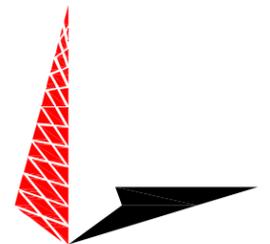
5900 BROKEN SOUND PARKWAY NW
BOCA RATON, FL 33487
OFFICE: (561) 226-9332

PROJECT INFORMATION:

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

5 CRAIG ROAD
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SHEET TITLE:

**DRIVEWAY
DETAILS**

SHEET NUMBER: REVISION:

C-12

13

TEP #: 29864-5657